TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

FILE COPY

ANALYTICAL REPORT

CHECKED FOR COMPLETENESS OF PARAMETERS ORDERED BY:

3/5/10

Job Number: 360-24444-2

SDG Number: OCRI-11A

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
10/28/2009 11:14 AM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
10/28/2009

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Westfield Certifications and Approvals: MADEP MA014, RIDOH57, CTDPH 0494, VT DECWSD, NH DES 2539, NELAP FL E87912 TOX, NELAP NJ MA008 TOX, NELAP NY 10843, NY ELAP 10843, North Carolina 647, NELAP PA 68-04386. Field sampling is performed under SOPs WE-FLD-001 and WE-FLD-002.

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 #:	**360-24444-2**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24444-(4,7,13)

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:** 10/28/09 11:08

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

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
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MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24444-2**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24444-(4,7,13)

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

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2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
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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:** 10/28/09 11:08

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
53 Southampton Rd,
Westfield, MA 01085
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CASE NARRATIVE

Client: Olin Corporation

Project: Olin Chemical Superfund Site

Report Number: 360-24444-2

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 09/03/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 5.2 C.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 360-24444-4, 360-24444-7 and 360-24444-13 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 09/14/2009 and 09/16/2009 and analyzed on 09/22/2009 and 09/23/2009.

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 360-24444(4,7), 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 sample 360-24444-(13), Benzoic acid, Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate were detected in method blank MB 360-49016/1-A at levels exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

For samples 360-24444-(4,7), Aniline failed the recovery criteria low for LCS/LCSD 360-48924/2-A.

For sample 360-24444-(13), Aniline failed the recovery criteria low for LCS/LCSD 360-49016/2-A. Bis(2-ethylhexyl) phthalate failed the recovery criteria high in the LCS/LCSD.

Refer to the QC report for details.

General method information:

For samples 360-24444(4,7), 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 360-24444-(4,7), batch 49260. ICAL 9/21/2009 Inst J: Quadratic regression used for Benzoic acid and 2,4-Dinitrophenol.

For sample 360-24444-(13) batch 49402. ICAL 9/22/2009 Inst B: Quadratic regression used for Benzoic acid , 1,2,4-Trichlorobenzene, Caprolactam, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 2,4-Dimethylphenol, and Naphthalene.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS

Samples 360-24444-4, 360-24444-7 and 360-24444-13 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 09/18/2009.

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

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 360-49128/1-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: 360-24444-2
Sdg Number: OCRI-11A

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-24444-4	OC-SB-462-31/33-XXX	Solid	09/03/2009 1015	09/03/2009 1650
360-24444-7	OC-SB-467-30/32-XXX	Solid	09/02/2009 1730	09/03/2009 1650
360-24444-13	OC-SB-459-26/28-XXX	Solid	09/03/2009 1225	09/03/2009 1650

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24444-4	**OC-SB-462-31/33-XXX**					
Bis(2-ethylhexyl) phthalate		110		36	ug/Kg	8270C LL
Aluminum		6000		2.8	mg/Kg	6010B
Arsenic		2.2		1.1	mg/Kg	6010B
Barium		26		0.55	mg/Kg	6010B
Beryllium		0.17	J	0.22	mg/Kg	6010B
Cadmium		0.18	J	0.22	mg/Kg	6010B
Calcium		3400	B	11	mg/Kg	6010B
Chromium		150		0.55	mg/Kg	6010B
Cobalt		7.6		0.55	mg/Kg	6010B
Copper		20		1.1	mg/Kg	6010B
Iron		13000	B	5.5	mg/Kg	6010B
Lead		1.4		0.55	mg/Kg	6010B
Magnesium		4100	B	11	mg/Kg	6010B
Manganese		160		1.1	mg/Kg	6010B
Nickel		6.3		1.1	mg/Kg	6010B
Potassium		1800		220	mg/Kg	6010B
Silver		2.4		0.55	mg/Kg	6010B
Sodium		92	J	110	mg/Kg	6010B
Vanadium		17		1.1	mg/Kg	6010B
Zinc		15		2.8	mg/Kg	6010B
Tin		59	B ^	5.5	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24444-7	**OC-SB-467-30/32-XXX**					
Bis(2-ethylhexyl) phthalate		75		37	ug/Kg	8270C LL
Aluminum		8400		3.4	mg/Kg	6010B
Antimony		0.33	J	0.68	mg/Kg	6010B
Arsenic		4.2		1.4	mg/Kg	6010B
Barium		73		0.68	mg/Kg	6010B
Beryllium		0.20	J	0.27	mg/Kg	6010B
Cadmium		0.24	J	0.27	mg/Kg	6010B
Calcium		3100	B	14	mg/Kg	6010B
Chromium		250		0.68	mg/Kg	6010B
Cobalt		13		0.68	mg/Kg	6010B
Copper		26		1.4	mg/Kg	6010B
Iron		17000	B	6.8	mg/Kg	6010B
Lead		1.7		0.68	mg/Kg	6010B
Magnesium		5400	B	14	mg/Kg	6010B
Manganese		220		1.4	mg/Kg	6010B
Nickel		14		1.4	mg/Kg	6010B
Potassium		3600		270	mg/Kg	6010B
Silver		3.9		0.68	mg/Kg	6010B
Sodium		200		140	mg/Kg	6010B
Vanadium		27		1.4	mg/Kg	6010B
Zinc		24		3.4	mg/Kg	6010B
Tin		100	B ^	6.8	mg/Kg	6010B
360-24444-13	**OC-SB-459-26/28-XXX**					
Bis(2-ethylhexyl) phthalate		110	B *	37	ug/Kg	8270C LL
Aluminum		7500		2.9	mg/Kg	6010B
Arsenic		3.8		1.2	mg/Kg	6010B
Barium		11		0.59	mg/Kg	6010B
Beryllium		0.27		0.24	mg/Kg	6010B
Cadmium		0.14	J	0.24	mg/Kg	6010B
Calcium		1400	B	12	mg/Kg	6010B
Chromium		460		0.59	mg/Kg	6010B
Cobalt		3.7		0.59	mg/Kg	6010B
Copper		16		1.2	mg/Kg	6010B
Iron		11000	B	5.9	mg/Kg	6010B
Lead		1.7		0.59	mg/Kg	6010B
Magnesium		2800	B	12	mg/Kg	6010B
Manganese		80		1.2	mg/Kg	6010B
Nickel		8.6		1.2	mg/Kg	6010B
Potassium		840		240	mg/Kg	6010B
Silver		8.4		0.59	mg/Kg	6010B
Sodium		430		120	mg/Kg	6010B
Vanadium		18		1.2	mg/Kg	6010B
Zinc		14		2.9	mg/Kg	6010B
Tin		190	B ^	5.9	mg/Kg	6010B

METHOD SUMMARY

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

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: 360-24444-2
Sdg Number: OCRI-11A

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

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Client Sample ID: **OC-SB-462-31/33-XXX**

Lab Sample ID: 360-24444-4
Client Matrix: Solid
% Moisture: 8.4

Date Sampled: 09/03/2009 1015
Date Received: 09/03/2009 1650

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:	J03070.D
Dilution:	1.0			Initial Weight/Volume:	30.04 g
Date Analyzed:	09/22/2009 0453			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		22	36
2-Nitroaniline		ND		11	180
2-Nitrophenol		ND		11	36
3 & 4 Methylphenol		ND		11	36
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	36
4-Chloro-3-methylphenol		ND		11	73
4-Chloroaniline		ND		11	73
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: 360-24444-2
Sdg Number: OCRI-11A

Client Sample ID: **OC-SB-462-31/33-XXX**

Lab Sample ID: 360-24444-4
Client Matrix: Solid
% Moisture: 8.4

Date Sampled: 09/03/2009 1015
Date Received: 09/03/2009 1650

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:	J03070.D
Dilution:	1.0			Initial Weight/Volume:	30.04 g
Date Analyzed:	09/22/2009 0453			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		31	73
Bis(2-chloroethoxy)methane		ND		11	36
Bis(2-chloroethyl)ether		ND		11	36
Bis(2-ethylhexyl) phthalate		110		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	73
Hexachloroethane		ND		11	36
Indeno[1,2,3-cd]pyrene		ND		11	36
Isophorone		ND		11	36
Naphthalene		ND		11	87
Nitrobenzene		ND		11	36
N-Nitrosodimethylamine		ND		13	36
N-Nitrosodi-n-propylamine		ND		11	36
N-Nitrosodiphenylamine		ND		11	36
Pentachlorophenol		ND		11	36
Phenanthrene		ND		11	44
Phenol		ND		11	36
Pyrene		ND		11	36

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	56		30 - 130
2-Fluorobiphenyl	65		30 - 130
2-Fluorophenol	70		30 - 130
Nitrobenzene-d5	66		30 - 130
Phenol-d5	66		30 - 130
Terphenyl-d14	76		30 - 130

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Client Sample ID: **OC-SB-462-31/33-XXX**

Lab Sample ID: 360-24444-4
Client Matrix: Solid
% Moisture: 8.4

Date Sampled: 09/03/2009 1015
Date Received: 09/03/2009 1650

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:	J03070.D
Dilution:	1.0			Initial Weight/Volume:	30.04 g
Date Analyzed:	09/22/2009 0453			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
128-37-0	Butylated Hydroxytoluene	9.44	18	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	9.99	24	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.46	18	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	10.96	15	T J N
10544-50-0	Cyclic octaatomic sulfur	12.00	28	T J N
5466-77-3	2-Propenoic acid, 3-(4-methoxyphenyl)-,	12.80	65	T J N
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	13.84	38	T J N
7683-64-9	Squalene	14.35	51	T J N
26603-23-6	p,p"-Dioctyldiphenylamine	14.82	120	T J N

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Client Sample ID: **OC-SB-467-30/32-XXX**

Lab Sample ID: 360-24444-7
Client Matrix: Solid
% Moisture: 10.8

Date Sampled: 09/02/2009 1730
Date Received: 09/03/2009 1650

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:	J03072.D
Dilution:	1.0			Initial Weight/Volume:	30.23 g
Date Analyzed:	09/22/2009 0547			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		15	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	190
2-Nitrophenol		ND		11	37
3 & 4 Methylphenol		ND		11	37
3,3'-Dichlorobenzidine		ND		11	74
3-Nitroaniline		ND		11	190
4,6-Dinitro-2-methylphenol		ND		11	190
4-Bromophenyl phenyl ether		ND		11	37
4-Chloro-3-methylphenol		ND		11	74
4-Chloroaniline		ND		11	74
4-Chlorophenyl phenyl ether		ND		11	37
4-Nitroaniline		ND		11	190
4-Nitrophenol		ND		11	190
Acenaphthene		ND		11	37
Acenaphthylene		ND		11	37
Acetophenone		ND		11	37
Aniline		ND		11	37
Anthracene		ND		11	37
Atrazine		ND		11	37
Azobenzene		ND		11	37
Benzaldehyde		ND		11	37
Benzo[a]anthracene		ND		11	37
Benzo[a]pyrene		ND		11	37
Benzo[b]fluoranthene		ND		11	37
Benzo[g,h,i]perylene		ND		11	37
Benzo[k]fluoranthene		ND		11	37
Benzoic acid		ND		17	190

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Client Sample ID: **OC-SB-467-30/32-XXX**

Lab Sample ID: 360-24444-7
Client Matrix: Solid
% Moisture: 10.8

Date Sampled: 09/02/2009 1730
Date Received: 09/03/2009 1650

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:	J03072.D
Dilution:	1.0			Initial Weight/Volume:	30.23 g
Date Analyzed:	09/22/2009 0547			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		32	74
Bis(2-chloroethoxy)methane		ND		11	37
Bis(2-chloroethyl)ether		ND		11	37
Bis(2-ethylhexyl) phthalate		75		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		33	37
Di-n-octyl phthalate		ND		19	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	74
Hexachloroethane		ND		11	37
Indeno[1,2,3-cd]pyrene		ND		11	37
Isophorone		ND		11	37
Naphthalene		ND		11	89
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	45
Phenol		ND		11	37
Pyrene		ND		11	37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	66		30 - 130
2-Fluorobiphenyl	66		30 - 130
2-Fluorophenol	68		30 - 130
Nitrobenzene-d5	62		30 - 130
Phenol-d5	67		30 - 130
Terphenyl-d14	78		30 - 130

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Client Sample ID: **OC-SB-467-30/32-XXX**

Lab Sample ID: 360-24444-7
Client Matrix: Solid
% Moisture: 10.8

Date Sampled: 09/02/2009 1730
Date Received: 09/03/2009 1650

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:	J03072.D
Dilution:	1.0			Initial Weight/Volume:	30.23 g
Date Analyzed:	09/22/2009 0547			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
541-2-6	Cyclopentasiloxane, decamethyl-	7.26	10	T J N
128-37-0	Butylated Hydroxytoluene	9.44	9.5	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	9.99	12	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.46	11	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	10.96	9.5	T J N
5466-77-3	2-Propenoic acid, 3-(4-methoxyphenyl)-,	12.80	85	T J N
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	13.84	51	T J N
7683-64-9	Squalene	14.35	86	T J N
26603-23-6	p,p"-Dioctyldiphenylamine	14.82	110	T J N

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Client Sample ID: **OC-SB-459-26/28-XXX**

Lab Sample ID: 360-24444-13
Client Matrix: Solid
% Moisture: 9.7

Date Sampled: 09/03/2009 1225
Date Received: 09/03/2009 1650

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49402		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49016		Lab File ID:	B10499.D
Dilution:	1.0			Initial Weight/Volume:	30.21 g
Date Analyzed:	09/23/2009 0329			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1153			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	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: 360-24444-2
Sdg Number: OCRI-11A

Client Sample ID: **OC-SB-459-26/28-XXX**

Lab Sample ID: 360-24444-13
Client Matrix: Solid
% Moisture: 9.7

Date Sampled: 09/03/2009 1225
Date Received: 09/03/2009 1650

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49402		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49016		Lab File ID:	B10499.D
Dilution:	1.0			Initial Weight/Volume:	30.21 g
Date Analyzed:	09/23/2009 0329			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1153			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	37
Benzyl alcohol		ND		31	73
Bis(2-chloroethoxy)methane		ND		11	37
Bis(2-chloroethyl)ether		ND		11	37
Bis(2-ethylhexyl) phthalate		110	B *	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	66		30 - 130
2-Fluorobiphenyl	65		30 - 130
2-Fluorophenol	87		30 - 130
Nitrobenzene-d5	73		30 - 130
Phenol-d5	74		30 - 130
Terphenyl-d14	75		30 - 130

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Client Sample ID: **OC-SB-459-26/28-XXX**

Lab Sample ID: 360-24444-13
Client Matrix: Solid
% Moisture: 9.7

Date Sampled: 09/03/2009 1225
Date Received: 09/03/2009 1650

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49402		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49016		Lab File ID:	B10499.D
Dilution:	1.0			Initial Weight/Volume:	30.21 g
Date Analyzed:	09/23/2009 0329			Final Weight/Volume:	1.0 mL
Date Prepared:	09/16/2009 1153			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
59242-27-2	Furan, 2,5-dihydro-2,5-dimethyl-	5.57	15	T J N
7683-64-9	Squalene	16.44	51	T J N

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Client Sample ID: **OC-SB-462-31/33-XXX**

Lab Sample ID: 360-24444-4
Client Matrix: Solid
% Moisture: 8.4

Date Sampled: 09/03/2009 1015
Date Received: 09/03/2009 1650

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49209		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49128		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.97 g
Date Analyzed:	09/18/2009 1330			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6000		0.72	2.8
Antimony		ND		0.20	0.55
Arsenic		2.2		0.10	1.1
Barium		26		0.072	0.55
Beryllium		0.17	J	0.028	0.22
Cadmium		0.18	J	0.0078	0.22
Calcium		3400	B	2.8	11
Chromium		150		0.074	0.55
Cobalt		7.6		0.072	0.55
Copper		20		0.072	1.1
Iron		13000	B	0.88	5.5
Lead		1.4		0.063	0.55
Magnesium		4100	B	0.55	11
Manganese		160		0.074	1.1
Nickel		6.3		0.072	1.1
Potassium		1800		35	220
Selenium		ND		0.26	0.55
Silver		2.4		0.056	0.55
Sodium		92	J	14	110
Thallium		ND		0.080	1.1
Vanadium		17		0.072	1.1
Zinc		15		0.65	2.8
Tin		59	B ^	0.35	5.5

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Client Sample ID: **OC-SB-467-30/32-XXX**

Lab Sample ID: 360-24444-7
Client Matrix: Solid
% Moisture: 10.8

Date Sampled: 09/02/2009 1730
Date Received: 09/03/2009 1650

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49209		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49128		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.65 g
Date Analyzed:	09/18/2009 1333			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8400		0.88	3.4
Antimony		0.33	J	0.25	0.68
Arsenic		4.2		0.12	1.4
Barium		73		0.088	0.68
Beryllium		0.20	J	0.034	0.27
Cadmium		0.24	J	0.0095	0.27
Calcium		3100	B	3.4	14
Chromium		250		0.090	0.68
Cobalt		13		0.088	0.68
Copper		26		0.088	1.4
Iron		17000	B	1.1	6.8
Lead		1.7		0.078	0.68
Magnesium		5400	B	0.68	14
Manganese		220		0.091	1.4
Nickel		14		0.088	1.4
Potassium		3600		42	270
Selenium		ND		0.32	0.68
Silver		3.9		0.068	0.68
Sodium		200		18	140
Thallium		ND		0.098	1.4
Vanadium		27		0.088	1.4
Zinc		24		0.80	3.4
Tin		100	B ^	0.43	6.8

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Client Sample ID: **OC-SB-459-26/28-XXX**

Lab Sample ID: 360-24444-13
Client Matrix: Solid
% Moisture: 9.7

Date Sampled: 09/03/2009 1225
Date Received: 09/03/2009 1650

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49209		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49128		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.88 g
Date Analyzed:	09/18/2009 1336			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7500		0.77	2.9
Antimony		ND		0.21	0.59
Arsenic		3.8		0.11	1.2
Barium		11		0.077	0.59
Beryllium		0.27		0.029	0.24
Cadmium		0.14	J	0.0082	0.24
Calcium		1400	B	2.9	12
Chromium		460		0.078	0.59
Cobalt		3.7		0.077	0.59
Copper		16		0.077	1.2
Iron		11000	B	0.94	5.9
Lead		1.7		0.067	0.59
Magnesium		2800	B	0.59	12
Manganese		80		0.079	1.2
Nickel		8.6		0.077	1.2
Potassium		840		37	240
Selenium		ND		0.28	0.59
Silver		8.4		0.059	0.59
Sodium		430		15	120
Thallium		ND		0.085	1.2
Vanadium		18		0.077	1.2
Zinc		14		0.69	2.9
Tin		190	B ^	0.38	5.9

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

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
360-24444-4	OC-SB-462-31/33-XXX	70	66	66	65	56	76
360-24444-7	OC-SB-467-30/32-XXX	68	67	62	66	66	78
360-24444-13	OC-SB-459-26/28-XXX	87	74	73	65	66	75
MB 360-48924/1-A		88	93	78	79	78	86
MB 360-49016/1-A		106	90	88	76	81	90
LCS 360-48924/2-A		66	70	79	78	84	82
LCS 360-49016/2-A		78	67	64	81	86	82
LCSD 360-48924/3-A		68	71	84	79	90	86
LCSD 360-49016/3-A		80	70	62	80	88	83

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: 360-24444-2
Sdg Number: OCRI-11A

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: 360-24444-2
Sdg Number: OCRI-11A

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: 360-24444-2
Sdg Number: OCRI-11A

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: 360-24444-2
Sdg Number: OCRI-11A

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: 360-24444-2
Sdg Number: OCRI-11A

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: 360-24444-2
Sdg Number: OCRI-11A

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: 360-24444-2
Sdg Number: OCRI-11A

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: 360-24444-2
Sdg Number: OCRI-11A

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: 360-24444-2
Sdg Number: OCRI-11A

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: 360-24444-2
Sdg Number: OCRI-11A

Method Blank - Batch: 360-49016

Method: 8270C LL
Preparation: 3546

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

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

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

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Method Blank - Batch: 360-49016

Method: 8270C LL
Preparation: 3546

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

Analyte	Result	Qual	MDL	RL
Benzo[a]pyrene	ND		10	33
Benzo[b]fluoranthene	ND		10	33
Benzo[g,h,i]perylene	ND		10	33
Benzo[k]fluoranthene	ND		10	33
Benzoic acid	97.4	J	15	170
Benzophenone	ND		10	33
Benzyl alcohol	ND		28	67
Bis(2-chloroethoxy)methane	ND		10	33
Bis(2-chloroethyl)ether	ND		10	33
Bis(2-ethylhexyl) phthalate	162		10	33
Butyl benzyl phthalate	ND		10	33
Caprolactam	ND		10	33
Carbazole	ND		10	33
Chrysene	ND		10	33
Dibenz(a,h)anthracene	ND		10	33
Dibenzofuran	ND		10	33
Diethyl phthalate	ND		10	33
Dimethyl phthalate	ND		10	33
Di-n-butyl phthalate	68.0		29	33
Di-n-octyl phthalate	ND		17	33
Diphenyl oxide	ND		10	33
Fluoranthene	ND		10	33
Fluorene	ND		10	33
Hexachlorobenzene	ND		10	33
Hexachlorobutadiene	ND		10	33
Hexachlorocyclopentadiene	ND		10	67
Hexachloroethane	ND		10	33
Indeno[1,2,3-cd]pyrene	ND		10	33
Isophorone	ND		10	33
Naphthalene	ND		10	80
Nitrobenzene	ND		10	33
N-Nitrosodimethylamine	ND		12	33
N-Nitrosodi-n-propylamine	ND		10	33
N-Nitrosodiphenylamine	ND		10	33
Pentachlorophenol	ND		10	33
Phenanthrene	ND		10	40
Phenol	ND		10	33
Pyrene	ND		10	33

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	81	30 - 130

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

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

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

Method Blank TICs- Batch: 360-49016

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

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

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

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

Method: 8270C LL
Preparation: 3546

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

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

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

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

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

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

Method: 8270C LL
Preparation: 3546

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

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

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

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

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

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

Method: 8270C LL
Preparation: 3546

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

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

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

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

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

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

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

Method: 8270C LL
Preparation: 3546

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

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

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

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

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

Method: 8270C LL
Preparation: 3546

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

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

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

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

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

Method: 8270C LL
Preparation: 3546

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

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

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

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Method Blank - Batch: 360-49128

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 360-49128/1-A	Analysis Batch:	360-49209	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49128	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/18/2009 1212			Final Weight/Volume:	100 mL
Date Prepared:	09/18/2009 0714				

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	8.34	J	2.5	10
Chromium	ND		0.066	0.50
Cobalt	ND		0.065	0.50
Copper	ND		0.065	1.0
Iron	1.09	J	0.80	5.0
Lead	ND		0.057	0.50
Magnesium	2.07	J	0.50	10
Manganese	ND		0.067	1.0
Nickel	ND		0.065	1.0
Potassium	ND		31	200
Selenium	0.244	J	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	0.443	J	0.32	5.0

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

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49128

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-49128/2-A	Analysis Batch: 360-49209	Instrument ID: Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch: 360-49128	Lab File ID: N/A
Dilution:	1.0	Units: mg/Kg	Initial Weight/Volume: 2.0 g
Date Analyzed:	09/18/2009 1215		Final Weight/Volume: 100 mL
Date Prepared:	09/18/2009 0714		

LCSD Lab Sample ID:	LCSD 360-49128/3-A	Analysis Batch: 360-49209	Instrument ID: Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch: 360-49128	Lab File ID: N/A
Dilution:	1.0	Units: mg/Kg	Initial Weight/Volume: 2.0 g
Date Analyzed:	09/18/2009 1218		Final Weight/Volume: 100 mL
Date Prepared:	09/18/2009 0714		

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aluminum	95	95	80 - 120	0	30		
Antimony	86	90	80 - 120	4	30		
Arsenic	94	95	80 - 120	0	30		
Barium	97	97	80 - 120	0	30		
Beryllium	96	96	80 - 120	0	30		
Cadmium	94	94	80 - 120	0	30		
Calcium	97	98	80 - 120	0	30		
Chromium	96	97	80 - 120	0	30		
Cobalt	96	96	80 - 120	0	30		
Copper	97	97	80 - 120	0	30		
Iron	96	96	80 - 120	0	30		
Lead	94	94	80 - 120	0	30		
Magnesium	93	93	80 - 120	0	30		
Manganese	96	97	80 - 120	0	30		
Nickel	96	95	80 - 120	1	30		
Potassium	92	90	80 - 120	2	30		
Selenium	94	95	80 - 120	1	30		
Silver	95	95	80 - 120	0	30		
Sodium	93	93	80 - 120	0	30		
Thallium	93	93	80 - 120	0	30		
Vanadium	97	97	80 - 120	0	30		
Zinc	93	93	80 - 120	0	30		
Tin	95	96	80 - 120	1	30		

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

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49128

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-49128/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-49128/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/18/2009 1215			Date Analyzed:	09/18/2009 1218
Date Prepared:	09/18/2009 0714			Date Prepared:	09/18/2009 0714

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	250	250	237	237
Antimony	50.0	50.0	43.2	45.1
Arsenic	50.0	50.0	47.2	47.3
Barium	50.0	50.0	48.6	48.7
Beryllium	50.0	50.0	47.8	47.9
Cadmium	50.0	50.0	47.2	47.2
Calcium	1000	1000	974	976
Chromium	50.0	50.0	48.2	48.4
Cobalt	50.0	50.0	47.8	47.9
Copper	50.0	50.0	48.6	48.5
Iron	250	250	240	240
Lead	50.0	50.0	47.2	47.1
Magnesium	1000	1000	935	932
Manganese	50.0	50.0	48.2	48.4
Nickel	50.0	50.0	47.8	47.5
Potassium	1000	1000	919	896
Selenium	50.0	50.0	47.1	47.3
Silver	50.0	50.0	47.6	47.4
Sodium	1000	1000	929	925
Thallium	50.0	50.0	46.7	46.7
Vanadium	50.0	50.0	48.4	48.6
Zinc	50.0	50.0	46.7	46.6
Tin	50.0	50.0	47.7	48.1

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

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

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

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
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	
360-24444-4	OC-SB-462-31/33-XXX	T	Solid	3546	
360-24444-7	OC-SB-467-30/32-XXX	T	Solid	3546	
Prep Batch: 360-49016					
LCS 360-49016/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-49016/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-49016/1-A	Method Blank	T	Solid	3546	
360-24444-13	OC-SB-459-26/28-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					
360-24444-4	OC-SB-462-31/33-XXX	T	Solid	8270C LL	360-48924
360-24444-7	OC-SB-467-30/32-XXX	T	Solid	8270C LL	360-48924
Analysis Batch:360-49400					
LCS 360-49016/2-A	Lab Control Sample	T	Solid	8270C LL	360-49016
LCSD 360-49016/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-49016
MB 360-49016/1-A	Method Blank	T	Solid	8270C LL	360-49016
Analysis Batch:360-49402					
360-24444-13	OC-SB-459-26/28-XXX	T	Solid	8270C LL	360-49016

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24444-2
Sdg Number: OCRI-11A

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-49128					
LCS 360-49128/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 360-49128/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 360-49128/1-A	Method Blank	T	Solid	3050B	
360-24444-4	OC-SB-462-31/33-XXX	T	Solid	3050B	
360-24444-7	OC-SB-467-30/32-XXX	T	Solid	3050B	
360-24444-13	OC-SB-459-26/28-XXX	T	Solid	3050B	
Analysis Batch:360-49209					
LCS 360-49128/2-A	Lab Control Sample	T	Solid	6010B	360-49128
LCSD 360-49128/3-A	Lab Control Sample Duplicate	T	Solid	6010B	360-49128
MB 360-49128/1-A	Method Blank	T	Solid	6010B	360-49128
360-24444-4	OC-SB-462-31/33-XXX	T	Solid	6010B	360-49128
360-24444-7	OC-SB-467-30/32-XXX	T	Solid	6010B	360-49128
360-24444-13	OC-SB-459-26/28-XXX	T	Solid	6010B	360-49128

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24444-2
SDG: OCRI-11A

Laboratory Chronicle

Lab ID: **360-24444-4** **Client ID:** **OC-SB-462-31/33-XXX**

Sample Date/Time: 09/03/2009 10:15 Received Date/Time: 09/03/2009 16:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24444-A-4-E		360-49260	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	360-24444-A-4-E		360-49260	360-48924	09/22/2009 04:53	1	TAL WFD	PJS
P:3050B	360-24444-A-4-D		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24444-A-4-D		360-49209	360-49128	09/18/2009 13:30	1	TAL WFD	EMN

Lab ID: **360-24444-7** **Client ID:** **OC-SB-467-30/32-XXX**

Sample Date/Time: 09/02/2009 17:30 Received Date/Time: 09/03/2009 16:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24444-A-7-F		360-49260	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	360-24444-A-7-F		360-49260	360-48924	09/22/2009 05:47	1	TAL WFD	PJS
P:3050B	360-24444-A-7-E		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24444-A-7-E		360-49209	360-49128	09/18/2009 13:33	1	TAL WFD	EMN

Lab ID: **360-24444-13** **Client ID:** **OC-SB-459-26/28-XXX**

Sample Date/Time: 09/03/2009 12:25 Received Date/Time: 09/03/2009 16:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24444-A-13-F		360-49402	360-49016	09/16/2009 11:53	1	TAL WFD	BRB
A:8270C LL	360-24444-A-13-F		360-49402	360-49016	09/23/2009 03:29	1	TAL WFD	PJS
P:3050B	360-24444-A-13-E		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	360-24444-A-13-E		360-49209	360-49128	09/18/2009 13:36	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 360-49016/1-A		360-49400	360-49016	09/16/2009 11:53	1	TAL WFD	BRB
A:8270C LL	MB 360-49016/1-A		360-49400	360-49016	09/22/2009 20:43	1	TAL WFD	PJS
P:3050B	MB 360-49128/1-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	MB 360-49128/1-A		360-49209	360-49128	09/18/2009 12:12	1	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-24444-2
SDG: OCRI-11A

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
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 360-49016/2-A		360-49400	360-49016	09/16/2009 11:53	1	TAL WFD	BRB
A:8270C LL	LCS 360-49016/2-A		360-49400	360-49016	09/22/2009 21:14	1	TAL WFD	PJS
P:3050B	LCS 360-49128/2-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	LCS 360-49128/2-A		360-49209	360-49128	09/18/2009 12:15	1	TAL WFD	EMN

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 360-49016/3-A		360-49400	360-49016	09/16/2009 11:53	1	TAL WFD	BRB
A:8270C LL	LCSD 360-49016/3-A		360-49400	360-49016	09/22/2009 21:45	1	TAL WFD	PJS
P:3050B	LCSD 360-49128/3-A		360-49209	360-49128	09/18/2009 07:14	1	TAL WFD	TFB
A:6010B	LCSD 360-49128/3-A		360-49209	360-49128	09/18/2009 12:18	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.: 360-24444-2

SDG No.: OCRI-11A

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-462-31/33-XXX	360-24444-4	70	66	66	65	56	76
OC-SB-467-30/32-XXX	360-24444-7	68	67	62	66	66	78
OC-SB-459-26/28-XXX	360-24444-13	87	74	73	65	66	75
	MB 360-48924/1-A	88	93	78	79	78	86
	MB 360-49016/1-A	106	90	88	76	81	90
	LCS 360-48924/2-A	66	70	79	78	84	82
	LCS 360-49016/2-A	78	67	64	81	86	82
	LCSD 360-48924/3-A	68	71	84	79	90	86
	LCSD 360-49016/3-A	80	70	62	80	88	83

	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.: 360-24444-2

SDG No.: OCRI-11A

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.: 360-24444-2

SDG No.: OCRI-11A

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 RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

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

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

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

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

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

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

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

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

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.: 360-24444-2

SDG No.: OCRI-11A

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 III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

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

Lab ID: LCSD 360-49016/3-A Client ID:

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

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

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

Lab ID: LCSD 360-49016/3-A Client ID:

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

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

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-462-31/33-XXX	360-24444-4	J03070.D	09/22/2009 04:53
OC-SB-467-30/32-XXX	360-24444-7	J03072.D	09/22/2009 05:47

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

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

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

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

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-49016/2-A	B10487.D	09/22/2009 21:14
	LCSD 360-49016/3-A	B10488.D	09/22/2009 21:45
OC-SB-459-26/28-XXX	360-24444-13	B10499.D	09/23/2009 03:29

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

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

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

Analysis Batch No.: 49400

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	43.9	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	41.6	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	52.9	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.3	
275	10.0 - 30.0 % of mass 198	27.1	
365	Greater than 1.0 % of mass 198	3.3	
441	Present but less than mass 443	12.7	
442	Greater than 40.0 % of mass 198	79.0	
443	17.0 - 23.0 % of mass 442	15.6	(19.8)2

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

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

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

Lab File ID: B10489.D DFTPP Injection Date: 09/22/2009

Instrument ID: Inst. B DFTPP Injection Time: 22:17

Analysis Batch No.: 49402

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	38.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	36.3	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	47.8	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.2	
275	10.0 - 30.0 % of mass 198	28.9	
365	Greater than 1.0 % of mass 198	3.7	
441	Present but less than mass 443	15.3	
442	Greater than 40.0 % of mass 198	94.6	
443	17.0 - 23.0 % of mass 442	18.9	(20.0)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-49402/16	B10490.D	09/22/2009	22:48
OC-SB-459-26/28-XXX	360-24444-13	B10499.D	09/23/2009	03:29

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

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.: 360-24444-2

SDG No.: OCRI-11A

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-462-31/33-XXX	360-24444-4	J03070.D	09/22/2009	04:53
OC-SB-467-30/32-XXX	360-24444-7	J03072.D	09/22/2009	05:47

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

Sample No.: CCV 360-49402/16 Date Analyzed: 09/22/2009 22:48

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

Lab File ID (Standard): B10490.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		429779	7.69	1097296	8.82	423707	10.32
UPPER LIMIT		859558	8.19	2194592	9.32	847414	10.82
LOWER LIMIT		214890	7.19	548648	8.32	211854	9.82
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24444-13	OC-SB-459-26/28-XXX	386303	7.69	915173	8.82	464747	10.32

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.: 360-24444-2

SDG No.: OCRI-11A

Sample No.: CCV 360-49402/16 Date Analyzed: 09/22/2009 22:48

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

Lab File ID (Standard): B10490.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		709335	11.59	528340	15.00	399717	17.38
UPPER LIMIT		1418670	12.09	1056680	15.50	799434	17.88
LOWER LIMIT		354668	11.09	264170	14.50	199859	16.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24444-13	OC-SB-459-26/28-XXX	766634	11.58	524872	15.00	386019	17.39

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.: 360-24444-2

SDG No.: OCRI-11A

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						
360-24444-4	OC-SB-462-31/33-XXX	84263	6.30	206100	7.65	105601	9.37
360-24444-7	OC-SB-467-30/32-XXX	83035	6.30	204254	7.64	101436	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.: 360-24444-2

SDG No.: OCRI-11A

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						
360-24444-4	OC-SB-462-31/33-XXX	170024	10.81	114497	13.38	92200	14.71
360-24444-7	OC-SB-467-30/32-XXX	168117	10.81	116229	13.38	88849	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.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: OC-SB-462-31/33-XXX | Lab Sample ID: 360-24444-4

Matrix: Solid | Lab File ID: J03070.D

Analysis Method: 8270C LL | Date Collected: 09/03/2009 10:15

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

Sample wt/vol: 30.04(g) | Date Analyzed: 09/22/2009 04:53

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

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

% Moisture: 8.4 | 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	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		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		36	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		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.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: OC-SB-462-31/33-XXX | Lab Sample ID: 360-24444-4

Matrix: Solid | Lab File ID: J03070.D

Analysis Method: 8270C LL | Date Collected: 09/03/2009 10:15

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

Sample wt/vol: 30.04(g) | Date Analyzed: 09/22/2009 04:53

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

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

% Moisture: 8.4 | 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		73	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	110		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		73	11
67-72-1	Hexachloroethane	ND		36	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: OC-SB-462-31/33-XXX | Lab Sample ID: 360-24444-4

Matrix: Solid | Lab File ID: J03070.D

Analysis Method: 8270C LL | Date Collected: 09/03/2009 10:15

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

Sample wt/vol: 30.04(g) | Date Analyzed: 09/22/2009 04:53

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

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

% Moisture: 8.4 | 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	ND		87	11
98-95-3	Nitrobenzene	ND		36	11
62-75-9	N-Nitrosodimethylamine	ND		36	13
621-64-7	N-Nitrosodi-n-propylamine	ND		36	11
86-30-6	N-Nitrosodiphenylamine	ND		36	11
87-86-5	Pentachlorophenol	ND		36	11
85-01-8	Phenanthrene	ND		44	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	56	30-130	
321-60-8	2-Fluorobiphenyl	65	30-130	
367-12-4	2-Fluorophenol	70	30-130	
4165-60-0	Nitrobenzene-d5	66	30-130	
4165-62-2	Phenol-d5	66	30-130	
1718-51-0	Terphenyl-d14	76	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: OC-SB-462-31/33-XXX | Lab Sample ID: 360-24444-4

Matrix: Solid | Lab File ID: J03070.D

Analysis Method: 8270C LL | Date Collected: 09/03/2009 10:15

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

Sample wt/vol: 30.04(g) | Date Analyzed: 09/22/2009 04:53

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

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

% Moisture: 8.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49260 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 377

CAS NO.	COMPOUND NAME	RT	RESULT	Q
128-37-0	Butylated Hydroxytoluene	9.44	18	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	9.99	24	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.46	18	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	10.96	15	T J N
10544-50-0	Cyclic octaatomic sulfur	12.00	28	T J N
5466-77-3	2-Propenoic acid, 3-(4-methoxyphenyl)-,	12.80	65	T J N
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	13.84	38	T J N
7683-64-9	Squalene	14.35	51	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	14.82	120	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03070.D		
Lims ID:	360-24444-A-4-A	Client ID:	OC-SB-462-31/33-XXX
Inject. Date:	22-Sep-2009 04:53:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24444-a-4-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	32
Lims Batch ID:	49260	Lims Sample ID:	32
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	19-Oct-2009 12:01:20	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:	19-Oct-2009 12:01:20

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	6.303	6.302	0.001	84263	2.00	
* 2 Naphthalene-d8	136	7.645	7.643	0.002	206100	2.00	
* 3 Acenaphthene-d10	164	9.371	9.370	0.001	105601	2.00	
* 4 Phenanthrene-d10	188	10.809	10.808	0.001	170024	2.00	
* 5 Chrysene-d12	240	13.377	13.371	0.006	114497	2.00	
* 6 Perylene-d12	264	14.713	14.708	0.005	92200	2.00	
$ 7 2-Fluorophenol	112	4.500	4.436	0.064	188052	6.99	
$ 8 Phenol-d5	99	5.985	5.965	0.020	206720	6.59	
$ 9 Nitrobenzene-d5	82	6.923	6.917	0.006	106167	3.31	
$ 10 2-Fluorobiphenyl	172	8.736	8.735	0.001	218994	3.27	
$ 11 2,4,6-Tribromophenol	330	10.145	10.139	0.006	43320	5.60	
$ 12 Terphenyl-d14	244	12.391	12.385	0.006	183866	3.78	
19 Aniline	93	5.937	5.927	0.010	434	0.0112	
30 Acetophenone	105	6.779	6.768	0.011	3958	0.1128	
17 Benzaldehyde	105	6.779	6.768	0.011	3958	0.1128	
54 Phenyl ether	170	8.938	8.937	0.001	2522	0.0694	
66 Diethyl phthalate	149	9.847	9.846	0.001	911	0.0143	
80 Phenanthrene	178	10.828	10.827	0.001	1299	0.0151	
84 Di-n-butyl phthalate	149	11.448	11.447	0.001	11564	0.1720	
85 Pyrene	202	12.194	12.193	0.001	1639	0.0210	
89 Butyl benzyl phthalate	149	12.896	12.895	0.001	1524	0.1591	
92 Bis(2-ethylhexyl) phthalate	149	13.482	13.481	0.001	166331	3.05	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03070.D		
Lims ID:	360-24444-A-4-A	Client ID:	OC-SB-462-31/33-XXX
Inject. Date:	22-Sep-2009 04:53:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24444-a-4-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	32
Lims Batch ID:	49260	Lims Sample ID:	32
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	19-Oct-2009 12:01:20	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:	19-Oct-2009 12:01:20

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

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Diphenylamine	10.145	2127	0.0421	
Benzidine	12.141	132	0.5380	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
128-37-0 Butylated Hydroxytoluene						
9.438	114901	0.5005	3	98	84224	
615-22-5 Benzothiazole, 2-(methylthio)-						
9.991	151418	0.6595	3	98	125385	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
10.462	128293	0.5085	4	93	126945	
22768-22-5 2,4-Diphenyl-4-methyl-2(E)-pentene						
10.963	103062	0.4085	4	92	64461	
10544-50-0 Cyclic octaatomic sulfur						
12.001	193194	0.7657	4	97	20663	
5129-61-3 Heptadecanoic acid, 16-methyl-, methyl e						
12.088	66427	0.2633	4	97	115407	
629-62-9 Pentadecane						
12.708	48068	0.2295	5	93	112371	
5466-77-3 2-Propenoic acid, 3-(4-methoxyphenyl)-,						
12.795	377393	1.80	5	99	76713	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
630-7-9		Pentatriacontane				
13.684	69610	0.3323	5	94	112346	
638-36-8		Hexadecane, 2,6,10,14-tetramethyl-				
13.838	220344	1.05	5	94	112575	
629-92-5		Nonadecane				
13.992	90656	0.4328	5	95	16515	
7683-64-9		Squalene				
14.353	191470	1.41	6	93	114263	
629-92-5		Nonadecane				
14.603	50534	0.3714	6	97	112381	
26603-23-6		p,p'-Dioctyldiphenylamine				
14.824	435711	3.20	6	98	101420	

Quantitation Compounds

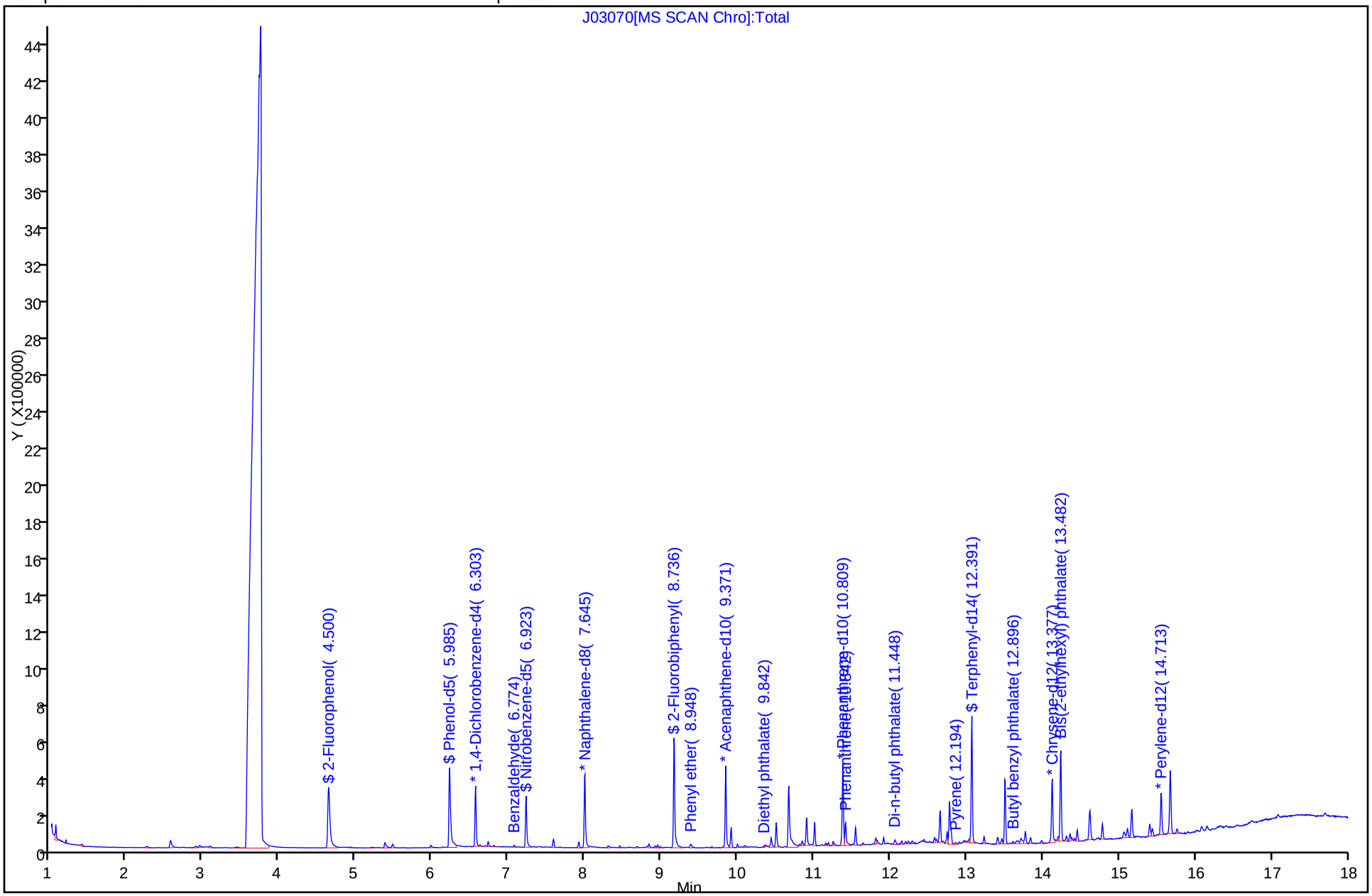
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	9.371	459162	2.00
* 4 Phenanthrene-d10	10.809	504589	2.00
* 5 Chrysene-d12	13.377	418911	2.00
* 6 Perylene-d12	14.713	272095	2.00

QC Flag Legend

Processing Flags

Report Date: 19-Oct-2009 12:01:22 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03070.D		
Inj Date:	22-Sep-2009 04:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	32
Client ID:	OC-SB-462-31/33-XXX	Instrument:	Inst. J
Sample Info:	360-24444-a-4-a		
Sample Amount:	1.00 ul	Operator:	



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

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03070.D

Inj Date: 22-Sep-2009 04:53:30 Limit Group: SMS - 8270LL SVOA Calibration

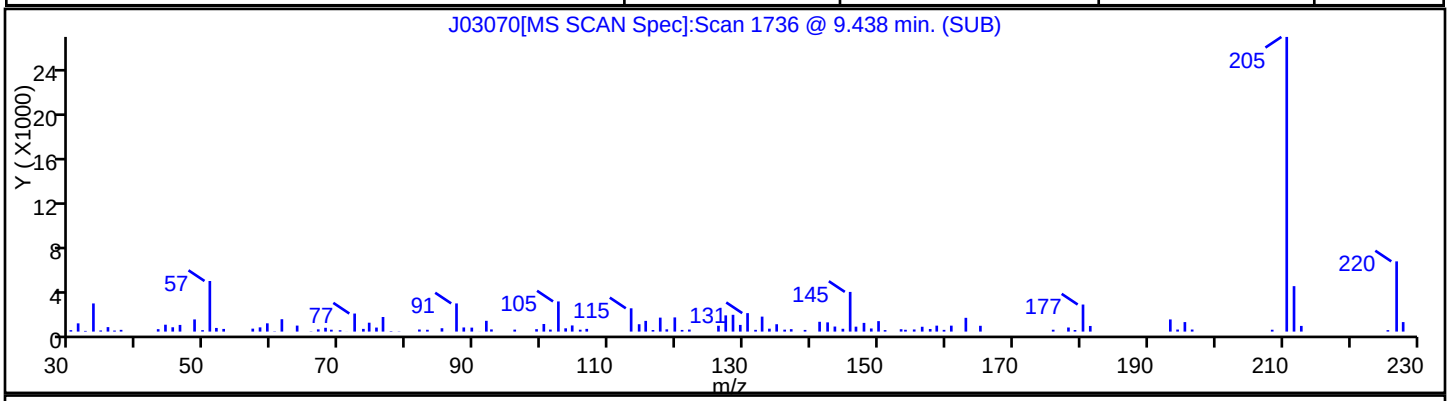
Lims Batch ID: 49260 Lims Sample ID: 32

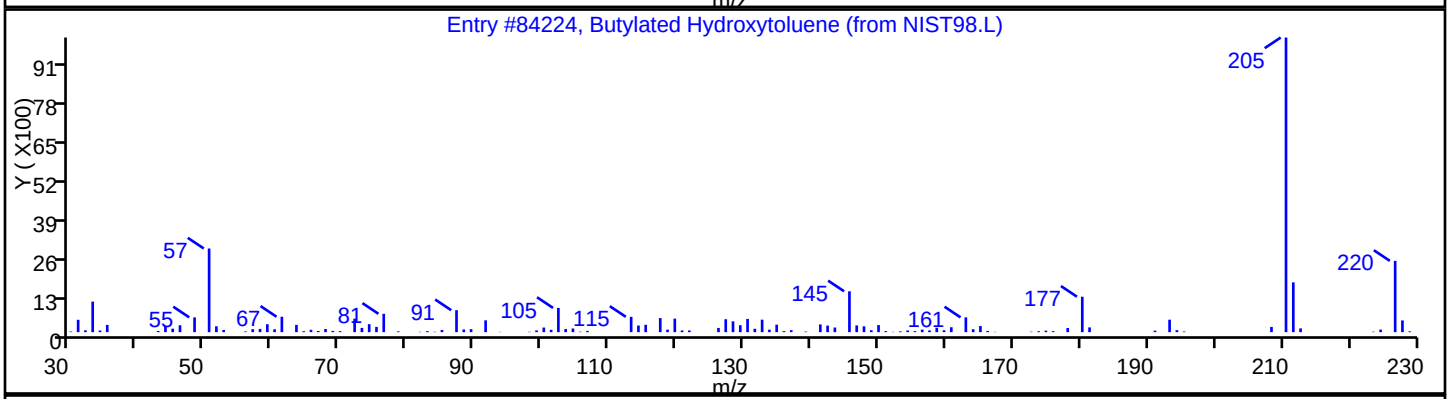
Client ID: OC-SB-462-31/33-XXX Instrument: Inst. J

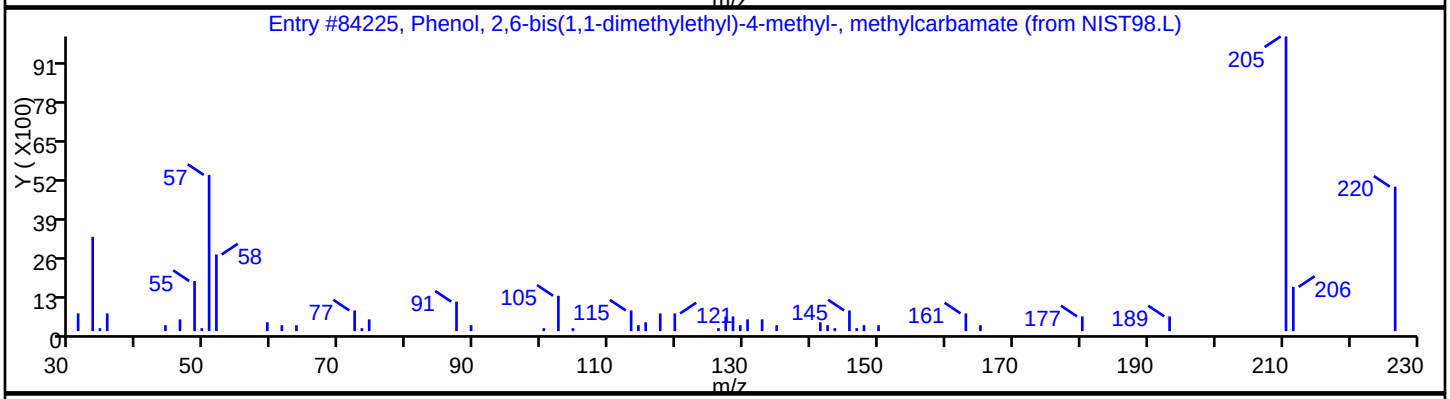
Sample Info: 360-24444-a-4-a

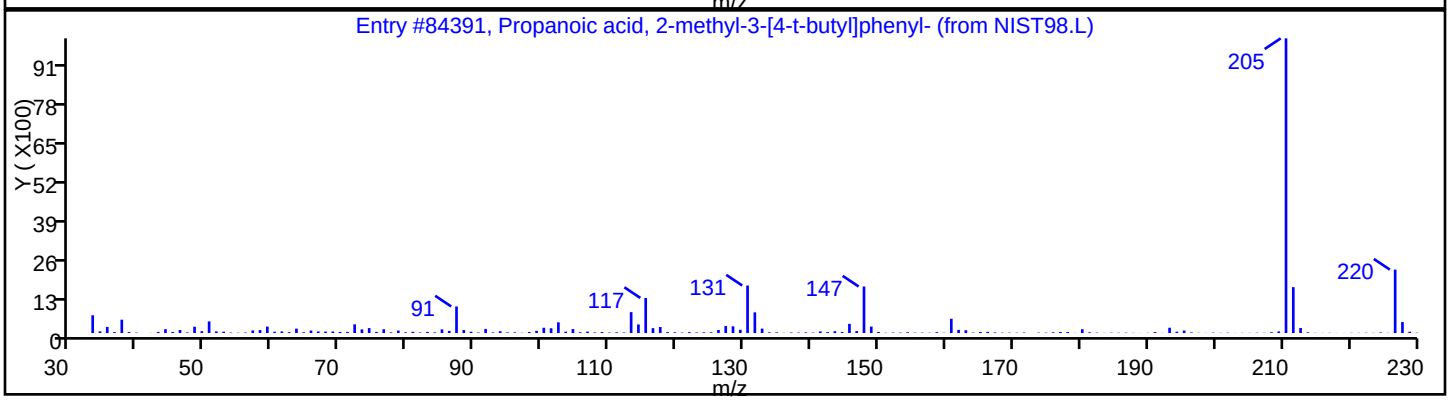
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butylated Hydroxytoluene	128-37-0	NIST98.L	84224	98
Phenol, 2,6-bis(1,1-dimethylethyl)-4-met	1918-11-2	NIST98.L	84225	72
Propanoic acid, 2-methyl-3-[4-t-butyl]ph	1000131-87-0	NIST98.L	84391	59









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

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03070.D

Inj Date: 22-Sep-2009 04:53:30 Limit Group: SMS - 8270LL SVOA Calibration

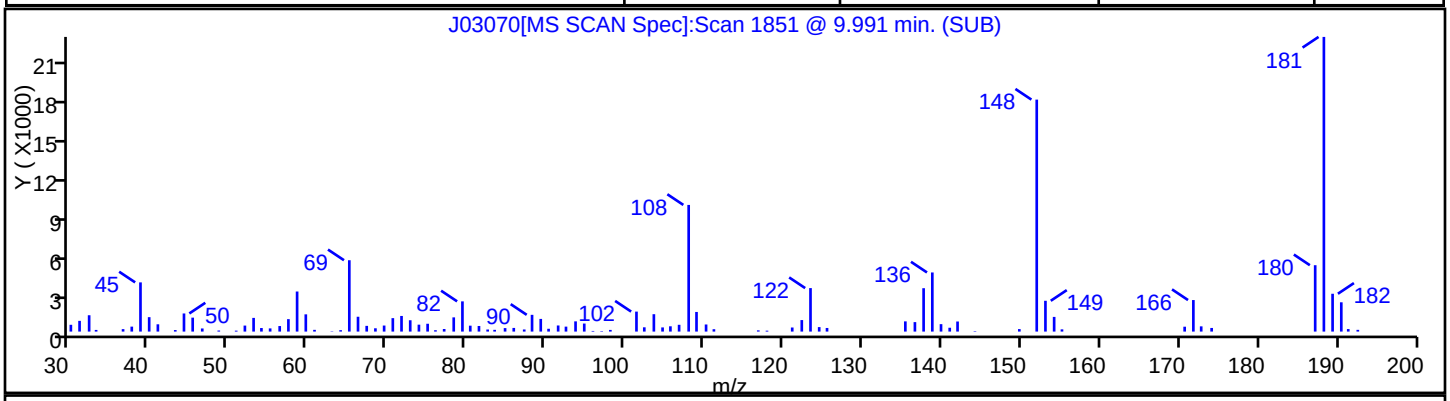
Lims Batch ID: 49260 Lims Sample ID: 32

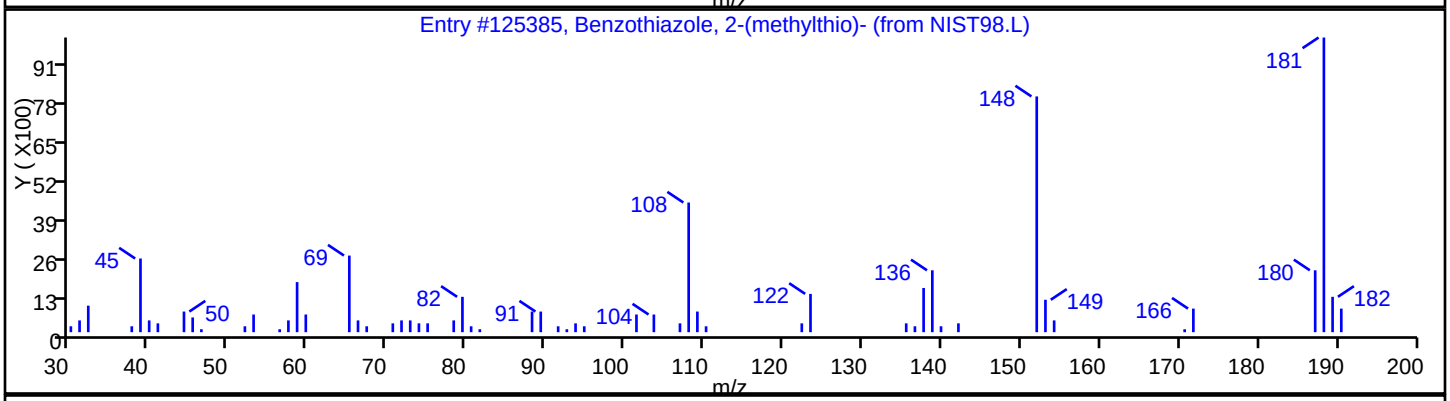
Client ID: OC-SB-462-31/33-XXX Instrument: Inst. J

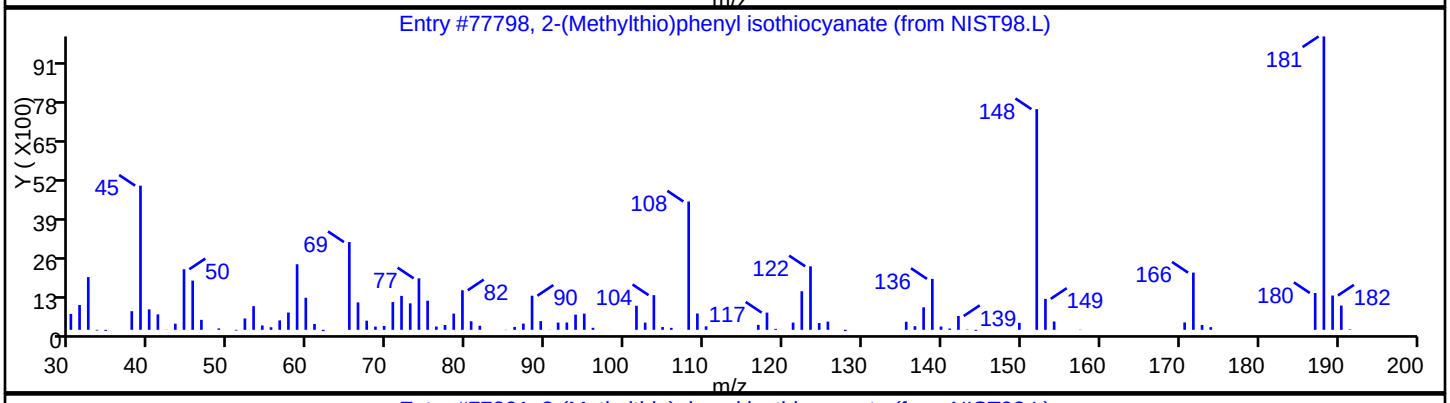
Sample Info: 360-24444-a-4-a

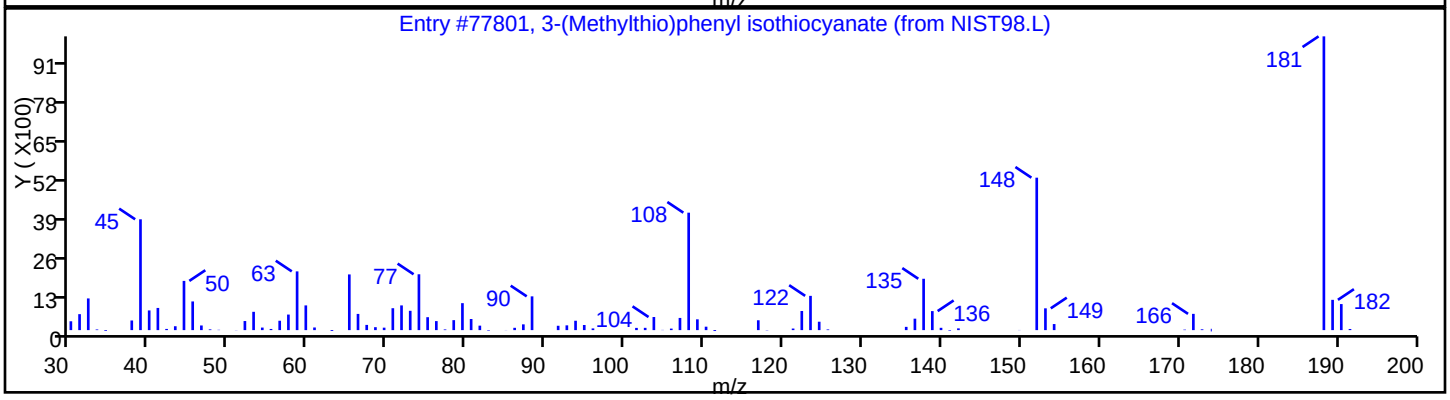
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	125385	98
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	78
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	74









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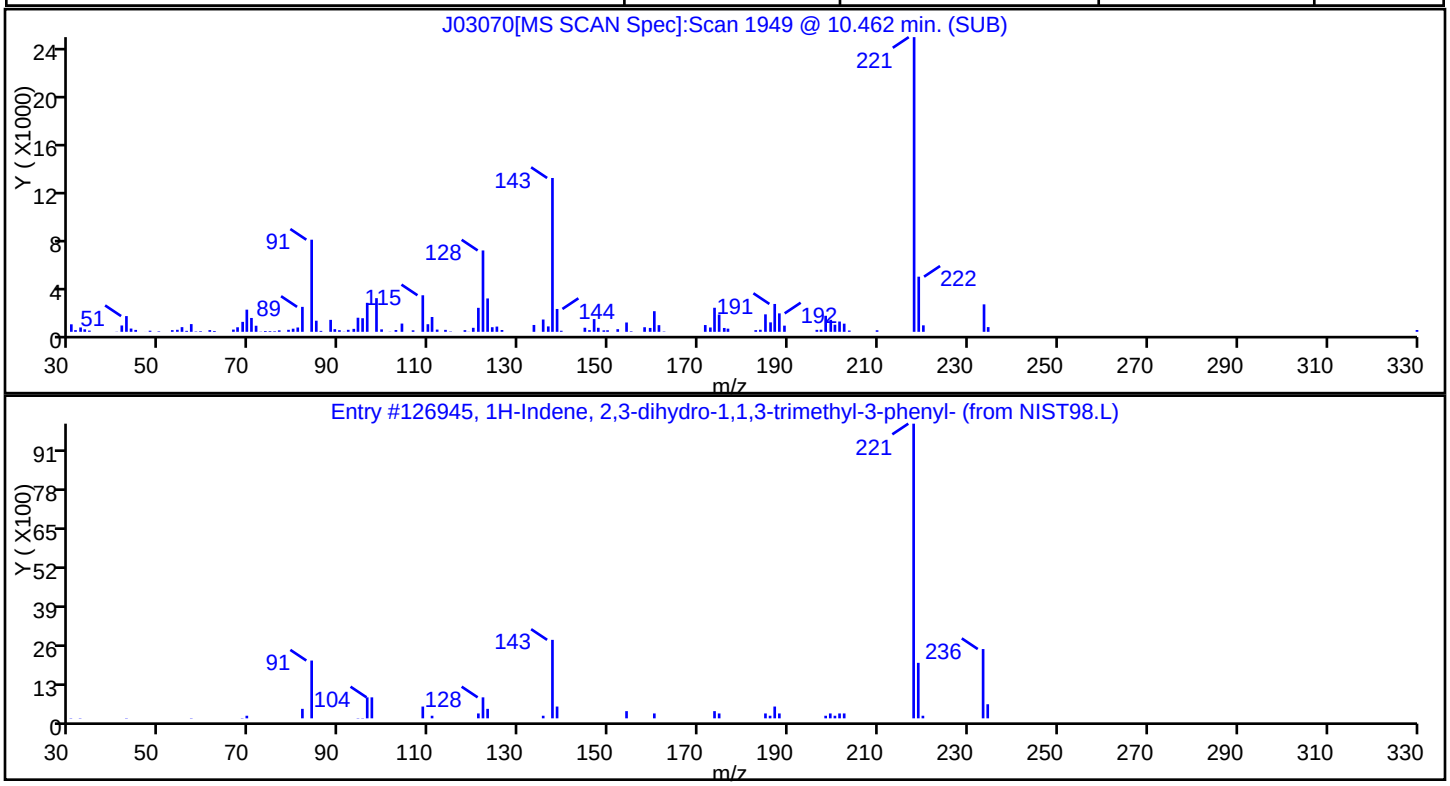
Inj Date:	22-Sep-2009 04:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	32
Client ID:	OC-SB-462-31/33-XXX	Instrument:	Inst. J
Sample Info:	360-24444-a-4-a		
Sample Amount:	1.00 ul	Operator:	

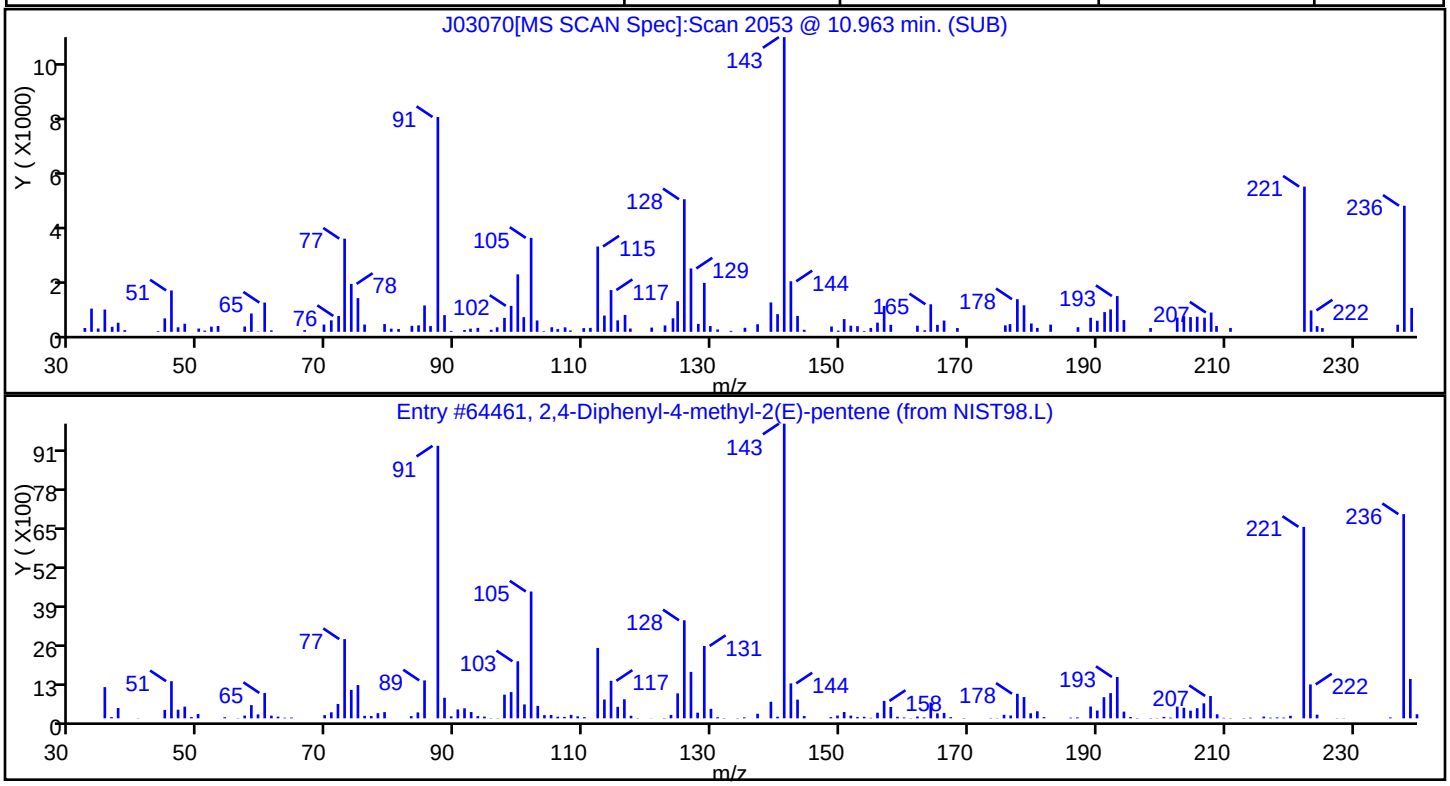
Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126945	93



Report Date: 19-Oct-2009 12:01:26 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03070.D		
Inj Date:	22-Sep-2009 04:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	32
Client ID:	OC-SB-462-31/33-XXX	Instrument:	Inst. J
Sample Info:	360-24444-a-4-a		
Sample Amount:	1.00 ul	Operator:	

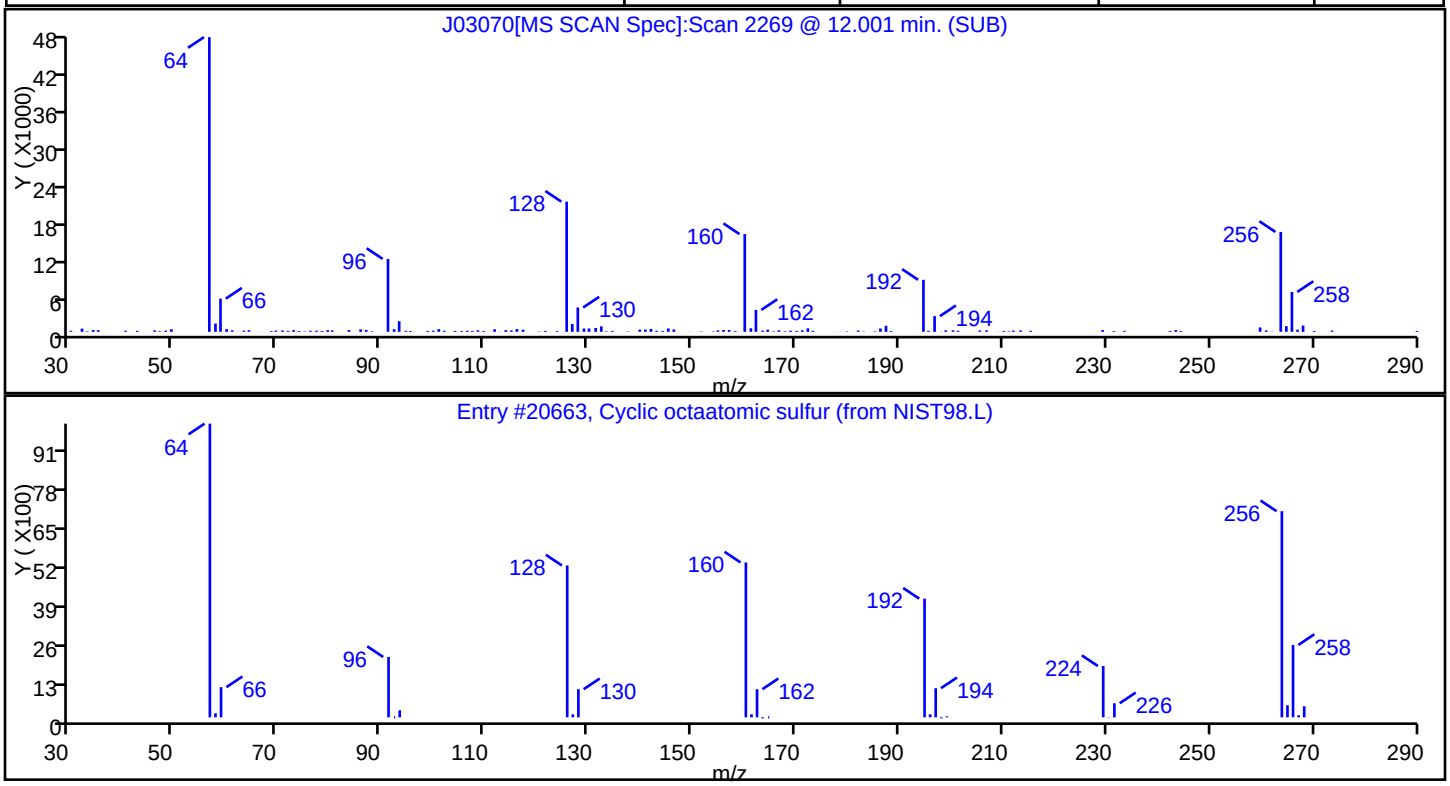
Library Search Compound Match	CAS Number	Library	Entry	Quality
2,4-Diphenyl-4-methyl-2(E)-pentene	22768-22-5	NIST98.L	64461	92



Report Date: 19-Oct-2009 12:01:26 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03070.D		
Inj Date:	22-Sep-2009 04:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	32
Client ID:	OC-SB-462-31/33-XXX	Instrument:	Inst. J
Sample Info:	360-24444-a-4-a		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclic octaatomic sulfur	10544-50-0	NIST98.L	20663	97



Report Date: 19-Oct-2009 12:01:26 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03070.D

Inj Date: 22-Sep-2009 04:53:30 Limit Group: SMS - 8270LL SVOA Calibration

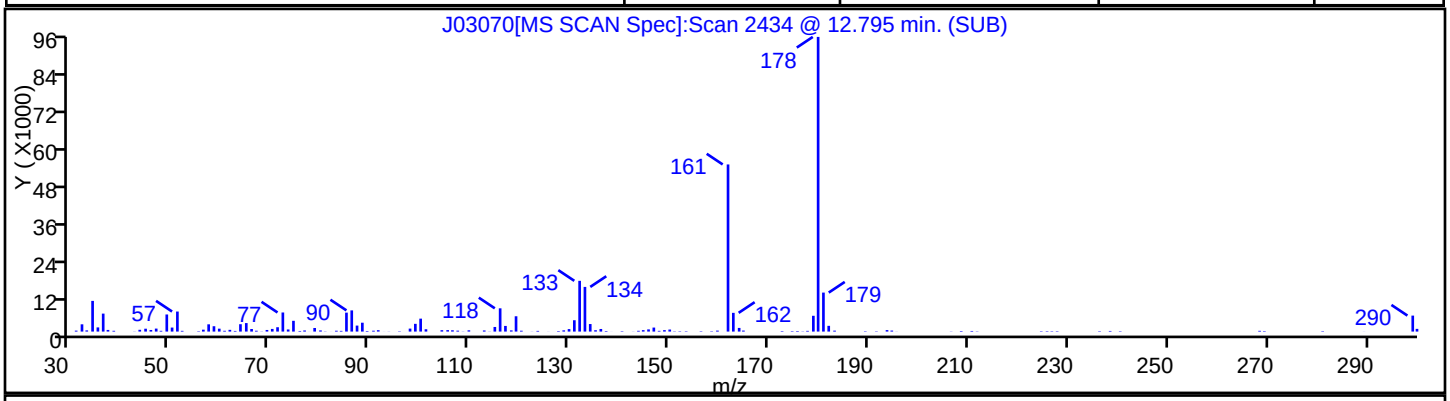
Lims Batch ID: 49260 Lims Sample ID: 32

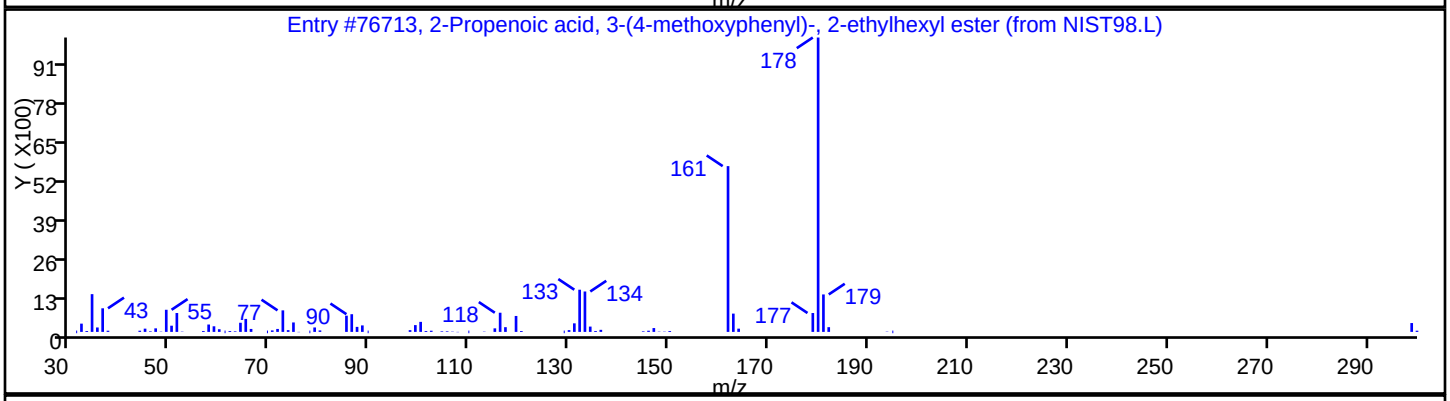
Client ID: OC-SB-462-31/33-XXX Instrument: Inst. J

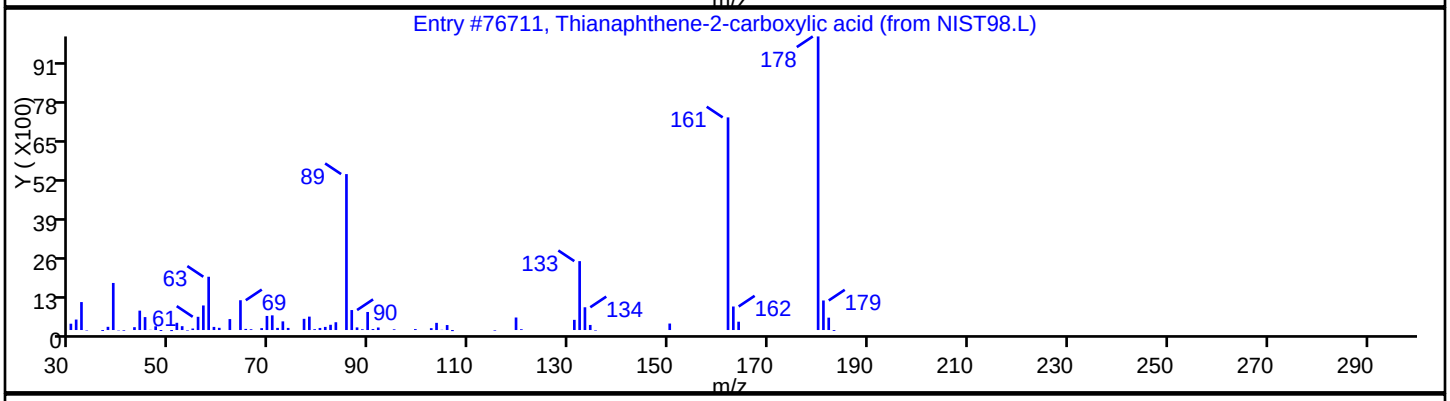
Sample Info: 360-24444-a-4-a

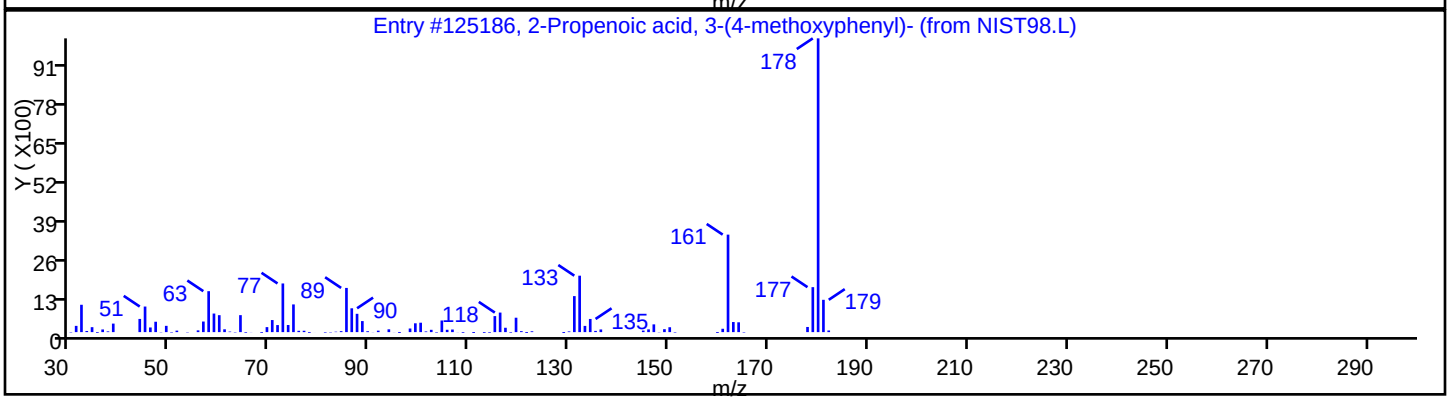
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
2-Propenoic acid, 3-(4-methoxyphenyl)-,	5466-77-3	NIST98.L	76713	99
Thianaphthene-2-carboxylic acid	6314-28-9	NIST98.L	76711	87
2-Propenoic acid, 3-(4-methoxyphenyl)-	830-9-1	NIST98.L	125186	64









Report Date: 19-Oct-2009 12:01:26 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03070.D

Inj Date: 22-Sep-2009 04:53:30 Limit Group: SMS - 8270LL SVOA Calibration

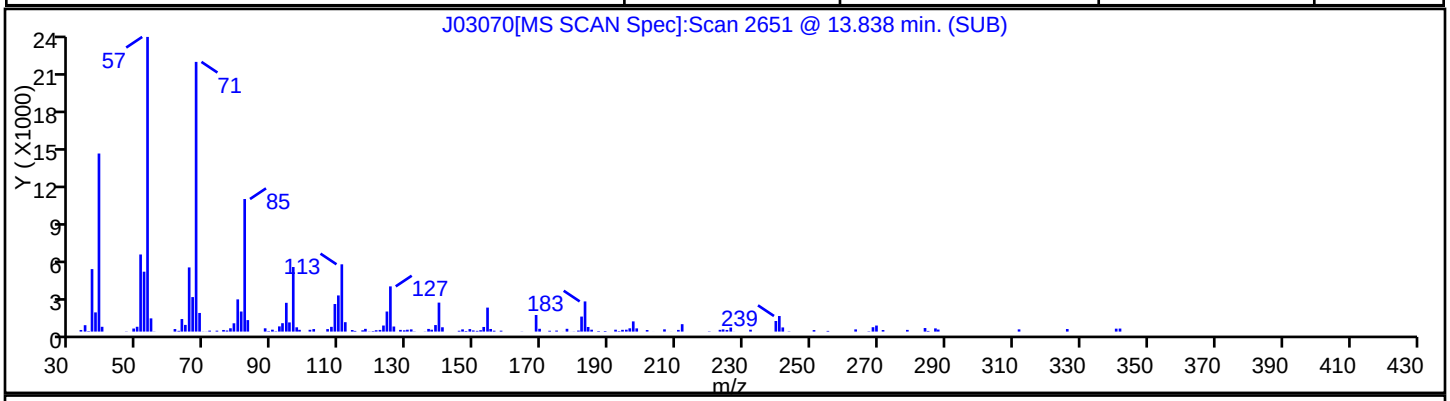
Lims Batch ID: 49260 Lims Sample ID: 32

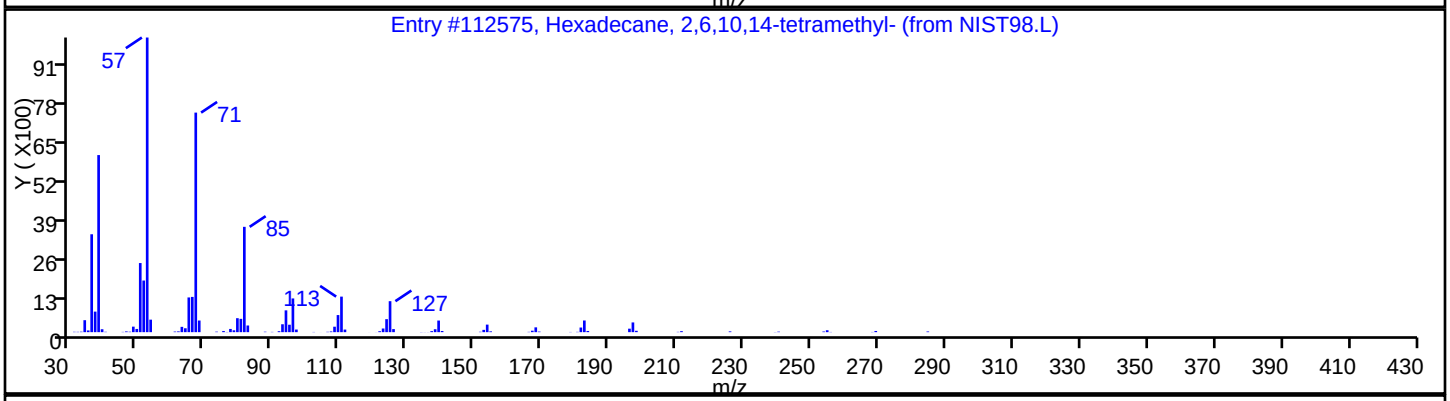
Client ID: OC-SB-462-31/33-XXX Instrument: Inst. J

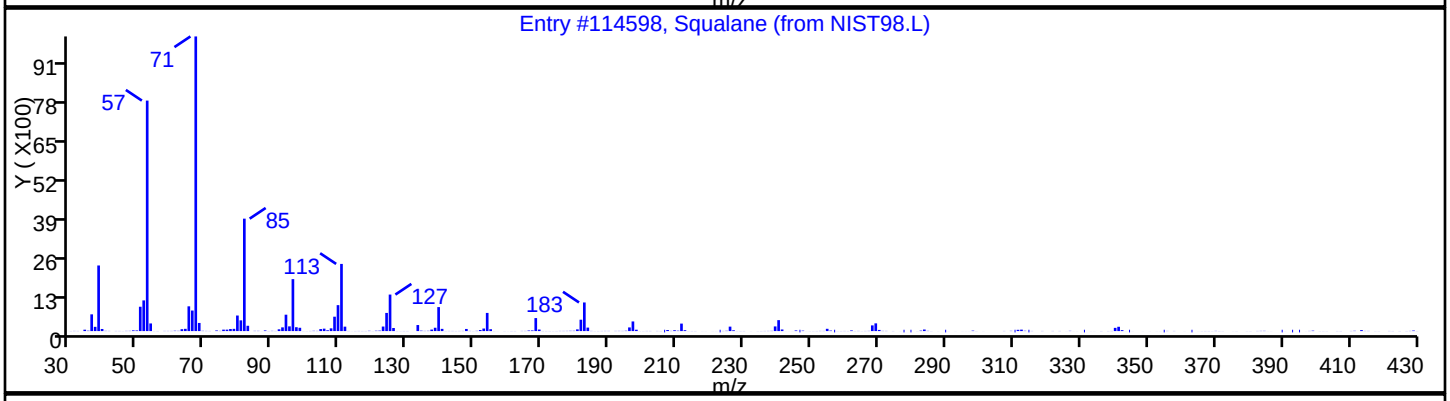
Sample Info: 360-24444-a-4-a

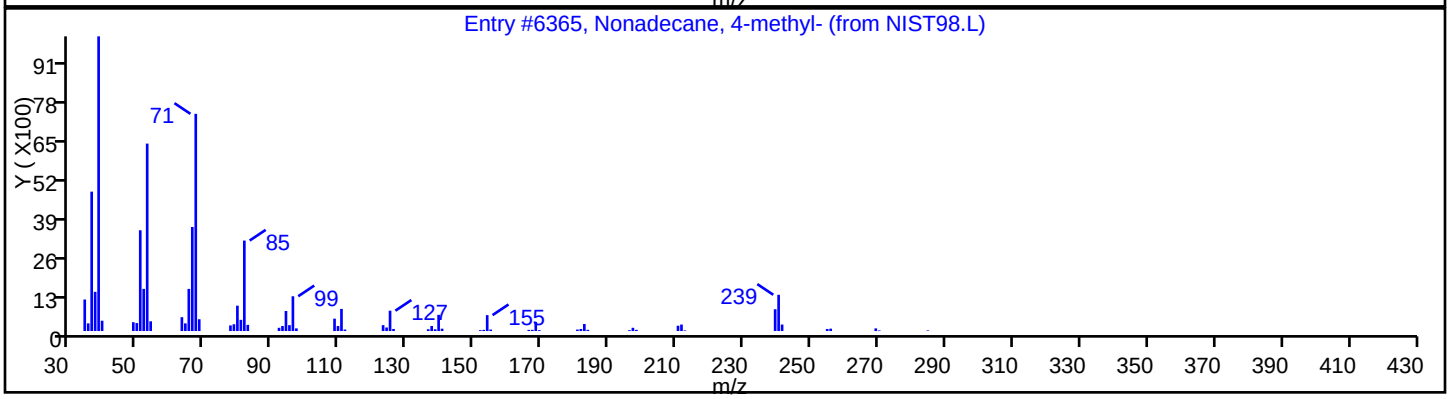
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST98.L	112575	94
Squalane	111-1-3	NIST98.L	114598	91
Nonadecane, 4-methyl-	25117-27-5	NIST98.L	6365	89









Report Date: 19-Oct-2009 12:01:27 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03070.D

Inj Date: 22-Sep-2009 04:53:30 Limit Group: SMS - 8270LL SVOA Calibration

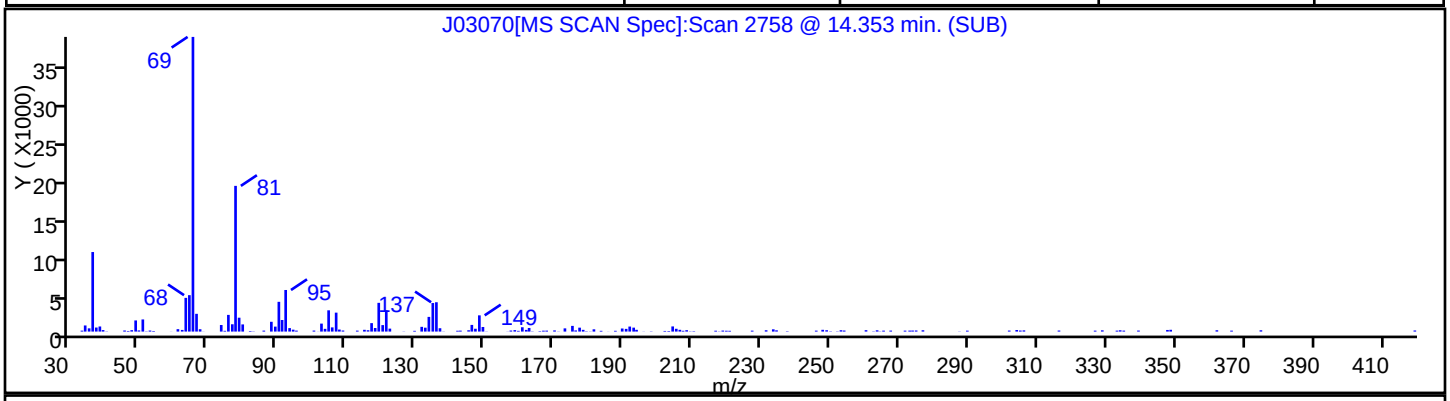
Lims Batch ID: 49260 Lims Sample ID: 32

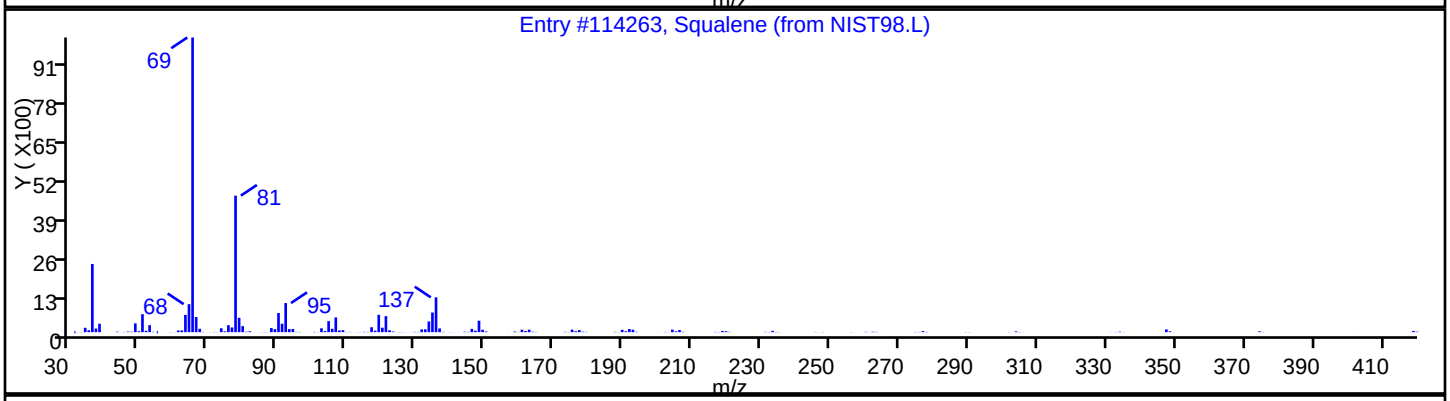
Client ID: OC-SB-462-31/33-XXX Instrument: Inst. J

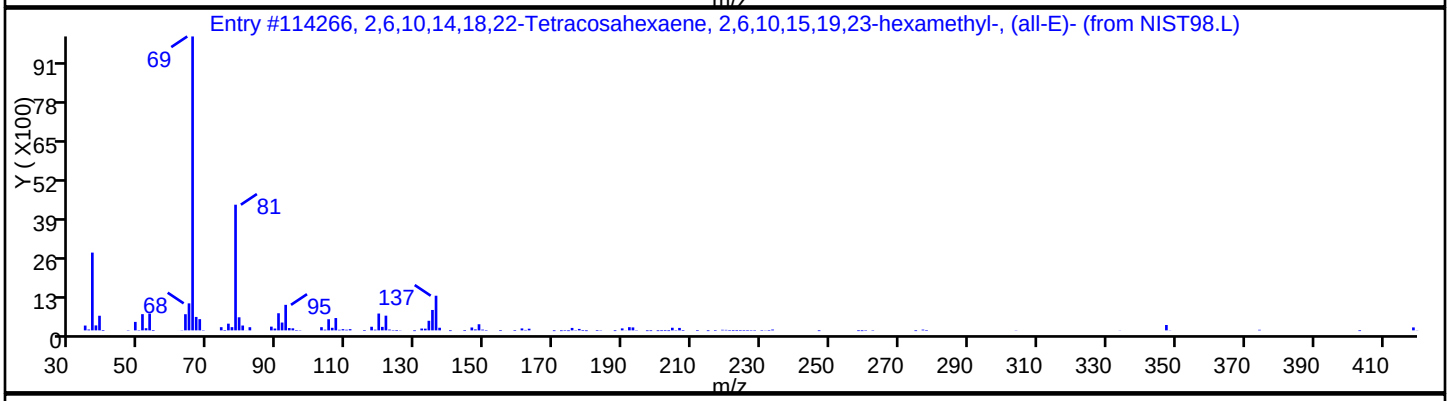
Sample Info: 360-24444-a-4-a

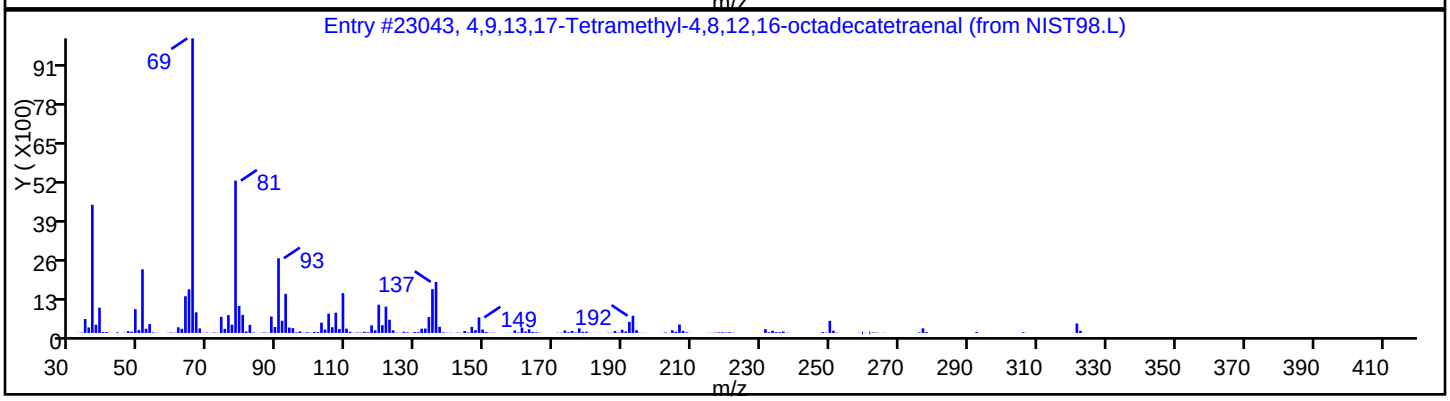
Sample Amount: 1.00 ul Operator:

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	91
4,9,13,17-Tetramethyl-4,8,12,16-octadeca	56882-9-8	NIST98.L	23043	83





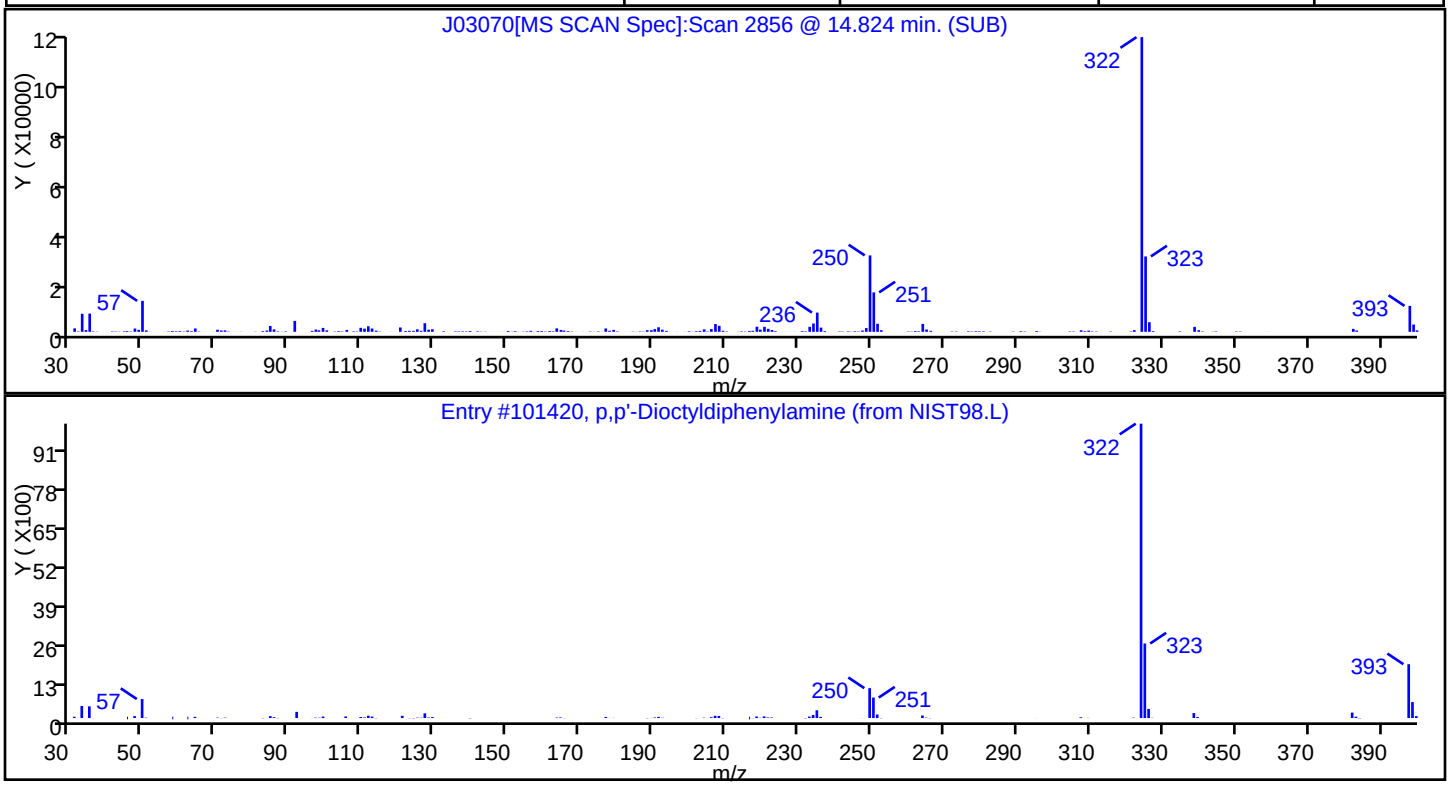




Report Date: 19-Oct-2009 12:01:27 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03070.D		
Inj Date:	22-Sep-2009 04:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	32
Client ID:	OC-SB-462-31/33-XXX	Instrument:	Inst. J
Sample Info:	360-24444-a-4-a		
Sample Amount:	1.00 ul	Operator:	

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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: OC-SB-467-30/32-XXX | Lab Sample ID: 360-24444-7

Matrix: Solid | Lab File ID: J03072.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 17:30

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

Sample wt/vol: 30.23(g) | Date Analyzed: 09/22/2009 05:47

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

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

% Moisture: 10.8 | 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	15
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		190	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		74	11
99-09-2	3-Nitroaniline	ND		190	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		190	11
101-55-3	4-Bromophenyl phenyl ether	ND		37	11
59-50-7	4-Chloro-3-methylphenol	ND		74	11
106-47-8	4-Chloroaniline	ND		74	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		37	11
100-01-6	4-Nitroaniline	ND		190	11
100-02-7	4-Nitrophenol	ND		190	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.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: OC-SB-467-30/32-XXX | Lab Sample ID: 360-24444-7

Matrix: Solid | Lab File ID: J03072.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 17:30

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

Sample wt/vol: 30.23(g) | Date Analyzed: 09/22/2009 05:47

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

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

% Moisture: 10.8 | 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		190	17
119-61-9	Benzophenone	ND		37	11
100-51-6	Benzyl alcohol	ND		74	32
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	75		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	33
117-84-0	Di-n-octyl phthalate	ND		37	19
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		74	11
67-72-1	Hexachloroethane	ND		37	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: OC-SB-467-30/32-XXX | Lab Sample ID: 360-24444-7

Matrix: Solid | Lab File ID: J03072.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 17:30

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

Sample wt/vol: 30.23(g) | Date Analyzed: 09/22/2009 05:47

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

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

% Moisture: 10.8 | 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		89	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		45	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	66	30-130	
321-60-8	2-Fluorobiphenyl	66	30-130	
367-12-4	2-Fluorophenol	68	30-130	
4165-60-0	Nitrobenzene-d5	62	30-130	
4165-62-2	Phenol-d5	67	30-130	
1718-51-0	Terphenyl-d14	78	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: OC-SB-467-30/32-XXX | Lab Sample ID: 360-24444-7

Matrix: Solid | Lab File ID: J03072.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 17:30

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

Sample wt/vol: 30.23(g) | Date Analyzed: 09/22/2009 05:47

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

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

% Moisture: 10.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49260 | Units: ug/Kg

Number TICs Found: 9 | TIC Result Total: 384

CAS NO.	COMPOUND NAME	RT	RESULT	Q
541-2-6	Cyclopentasiloxane, decamethyl-	7.26	10	T J N
128-37-0	Butylated Hydroxytoluene	9.44	9.5	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	9.99	12	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.46	11	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	10.96	9.5	T J N
5466-77-3	2-Propenoic acid, 3-(4-methoxyphenyl)-,	12.80	85	T J N
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	13.84	51	T J N
7683-64-9	Squalene	14.35	86	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	14.82	110	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03072.D		
Lims ID:	360-24444-A-7-B	Client ID:	OC-SB-467-30/32-XXX
Inject. Date:	22-Sep-2009 05:47:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24444-a-7-b		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	34
Lims Batch ID:	49260	Lims Sample ID:	34
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:56:25	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 15:56:25

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	6.301	6.302	-0.001	83035	2.00	
* 2 Naphthalene-d8	136	7.643	7.643	0.000	204254	2.00	
* 3 Acenaphthene-d10	164	9.369	9.370	-0.001	101436	2.00	
* 4 Phenanthrene-d10	188	10.807	10.808	-0.001	168117	2.00	
* 5 Chrysene-d12	240	13.375	13.371	0.004	116229	2.00	
* 6 Perylene-d12	264	14.712	14.708	0.004	88849	2.00	
$ 7 2-Fluorophenol	112	4.498	4.436	0.062	178826	6.76	
$ 8 Phenol-d5	99	5.984	5.965	0.019	208247	6.73	
$ 9 Nitrobenzene-d5	82	6.922	6.917	0.005	98136	3.09	
$ 10 2-Fluorobiphenyl	172	8.739	8.735	0.004	213000	3.31	
$ 11 2,4,6-Tribromophenol	330	10.143	10.139	0.004	50722	6.61	
$ 12 Terphenyl-d14	244	12.389	12.385	0.004	191739	3.89	
30 Acetophenone	105	6.777	6.768	0.009	1835	0.0531	
52 1,1'-Biphenyl	154	8.826	8.826	0.000	404	0.005966	7
54 Phenyl ether	170	8.941	8.937	0.004	7864	0.2184	
66 Diethyl phthalate	149	9.845	9.846	-0.001	1498	0.0244	
84 Di-n-butyl phthalate	149	11.447	11.447	0.000	14279	0.1991	
87 Fluoranthene	202	11.985	11.981	0.004	2879	0.0426	
85 Pyrene	202	12.197	12.193	0.004	3045	0.0384	
89 Butyl benzyl phthalate	149	12.894	12.895	-0.001	2046	0.1710	
92 Bis(2-ethylhexyl) phthalate	149	13.481	13.481	0.000	109432	2.01	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03072.D		
Lims ID:	360-24444-A-7-B	Client ID:	OC-SB-467-30/32-XXX
Inject. Date:	22-Sep-2009 05:47:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24444-a-7-b		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	34
Lims Batch ID:	49260	Lims Sample ID:	34
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:56:25	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 15:56:25

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

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Diphenylamine	10.143	2164	0.0433	
1,2-Diphenylhydrazine	10.091	1867	0.0180	
Benzidine	12.024	40	0.5310	
Alpha-Terpineol	7.715	537	0.0687	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
541-2-6	Cyclopentasiloxane, decamethyl-					
7.258	62679	0.2718	2	91	115315	
128-37-0	Butylated Hydroxytoluene					
9.437	57084	0.2565	3	93	126413	
615-22-5	Benzothiazole, 2-(methylthio)-					
9.990	74757	0.3358	3	98	125389	
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3					
10.461	68465	0.2923	4	95	126944	
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene					
10.961	60202	0.2570	4	96	64461	
5466-77-3	2-Propenoic acid, 3-(4-methoxyphenyl)-,					
12.798	482328	2.30	5	98	76713	
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-					
13.837	287778	1.37	5	93	112575	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
7683-64-9 Squalene						
14.351	305152	2.32	6	99	114263	
26603-23-6 p,p'-Dioctyldiphenylamine						
14.822	373018	2.84	6	98	101420	

Quantitation Compounds

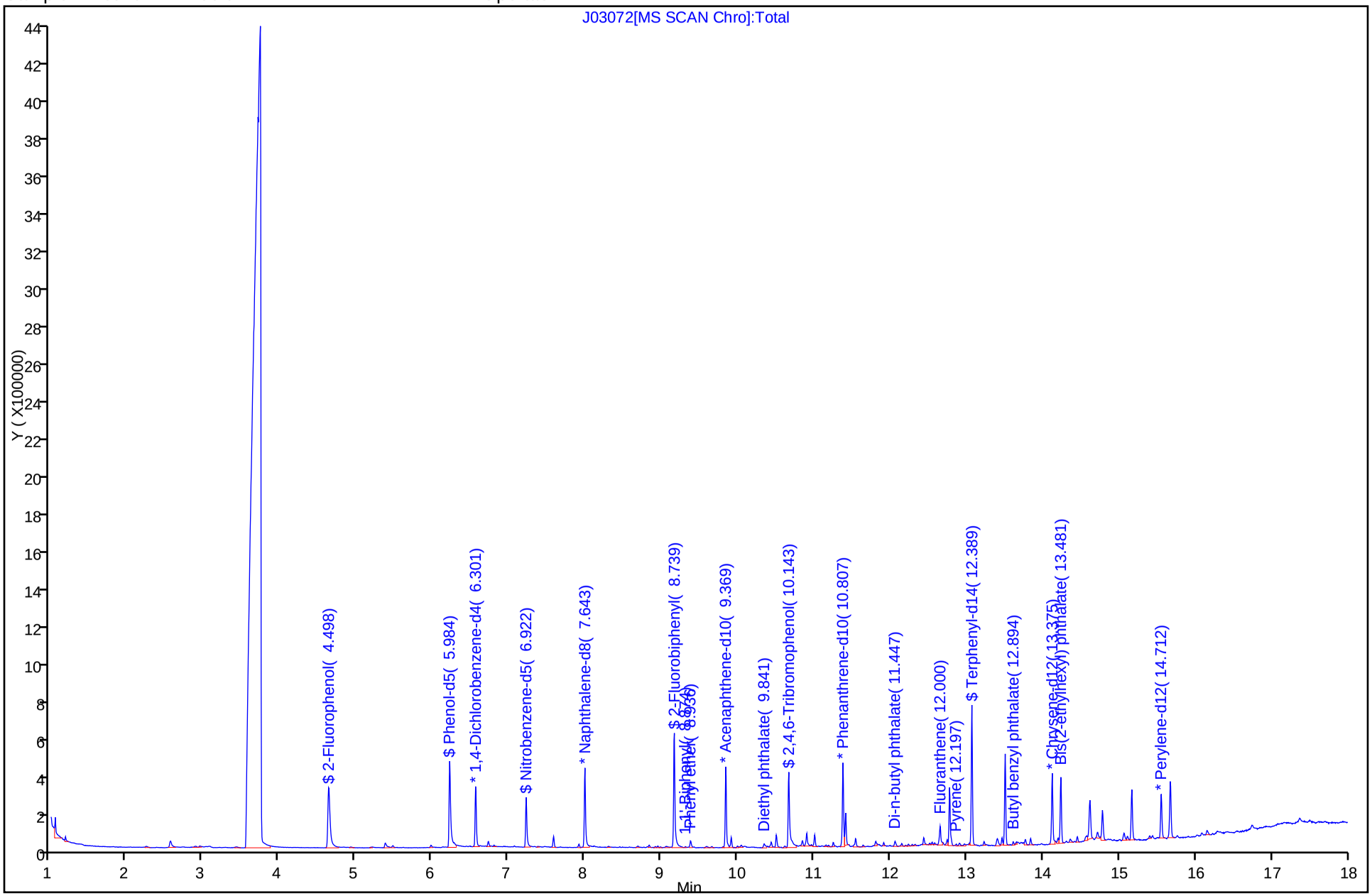
Compound	RT	Response	Amount ug/mL
* 2 Naphthalene-d8	7.643	461269	2.00
* 3 Acenaphthene-d10	9.369	445186	2.00
* 4 Phenanthrene-d10	10.807	468417	2.00
* 5 Chrysene-d12	13.375	419512	2.00
* 6 Perylene-d12	14.712	262632	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 15:56:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

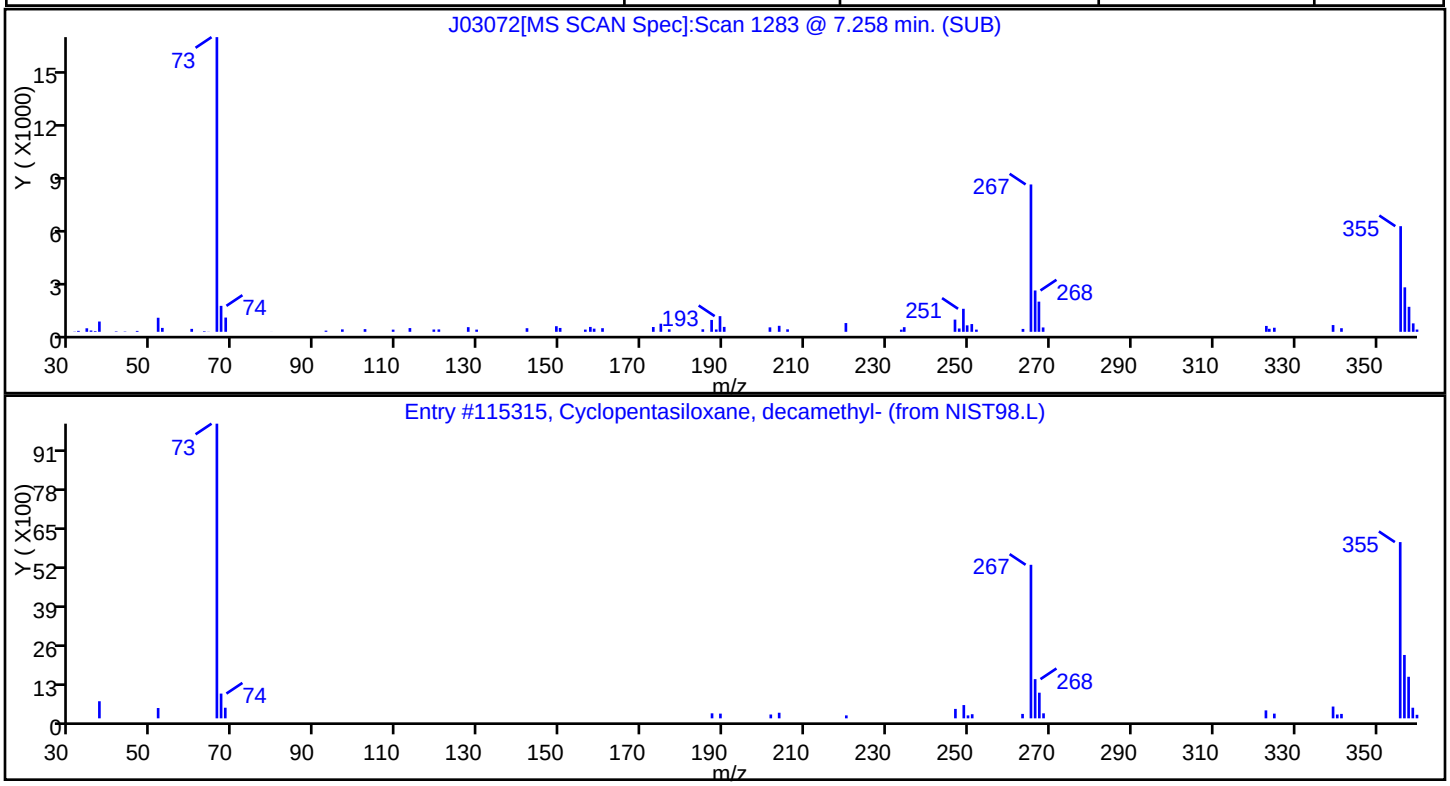
Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03072.D		
Inj Date:	22-Sep-2009 05:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	34
Client ID:	OC-SB-467-30/32-XXX	Instrument:	Inst. J
Sample Info:	360-24444-a-7-b		
Sample Amount:	1.00 ul	Operator:	



Report Date: 23-Sep-2009 15:56:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03072.D		
Inj Date:	22-Sep-2009 05:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	34
Client ID:	OC-SB-467-30/32-XXX	Instrument:	Inst. J
Sample Info:	360-24444-a-7-b		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclopentasiloxane, decamethyl-	541-2-6	NIST98.L	115315	91



Report Date: 23-Sep-2009 15:56:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03072.D

Inj Date: 22-Sep-2009 05:47:30 Limit Group: SMS - 8270LL SVOA Calibration

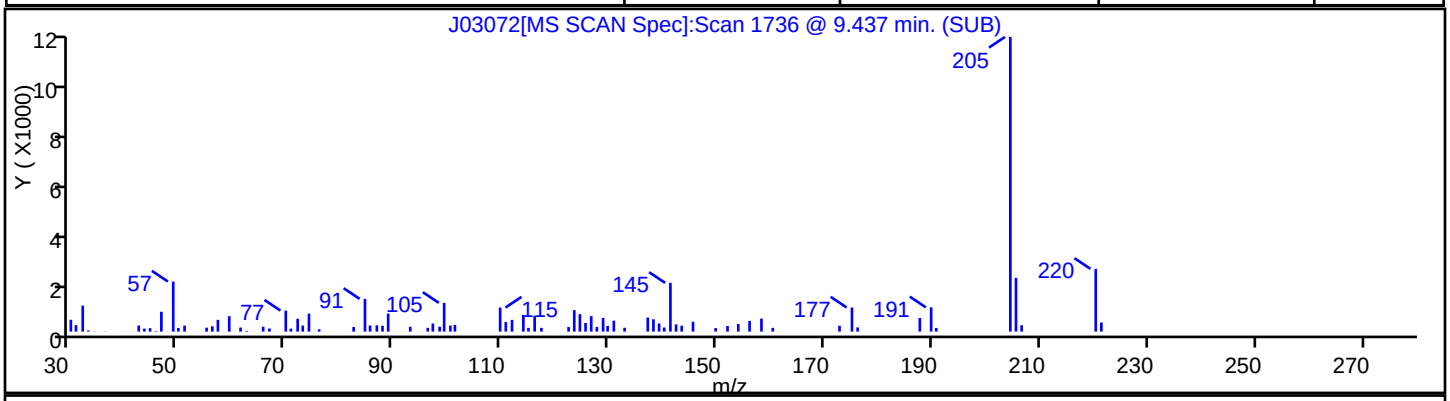
Lims Batch ID: 49260 Lims Sample ID: 34

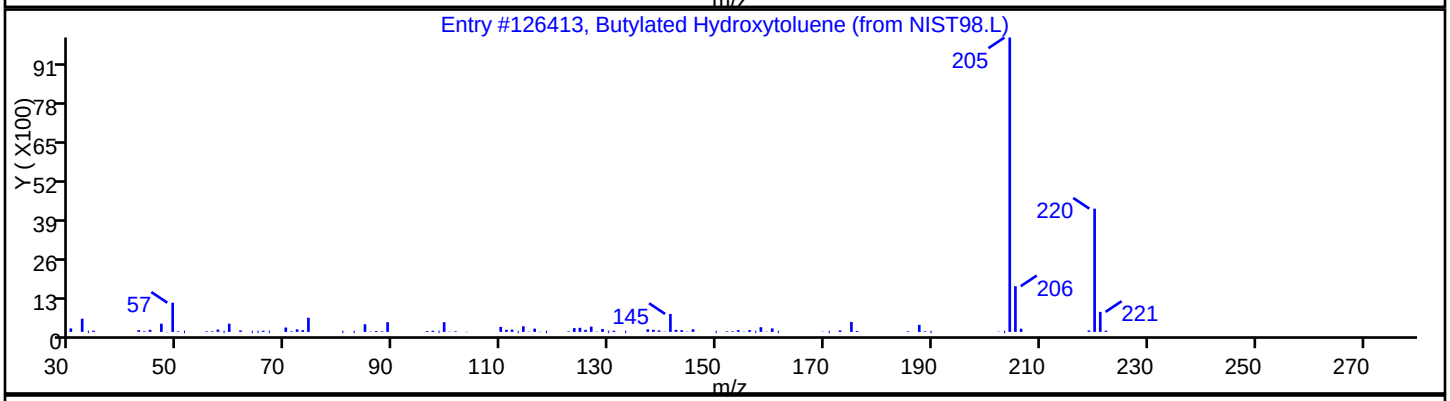
Client ID: OC-SB-467-30/32-XXX Instrument: Inst. J

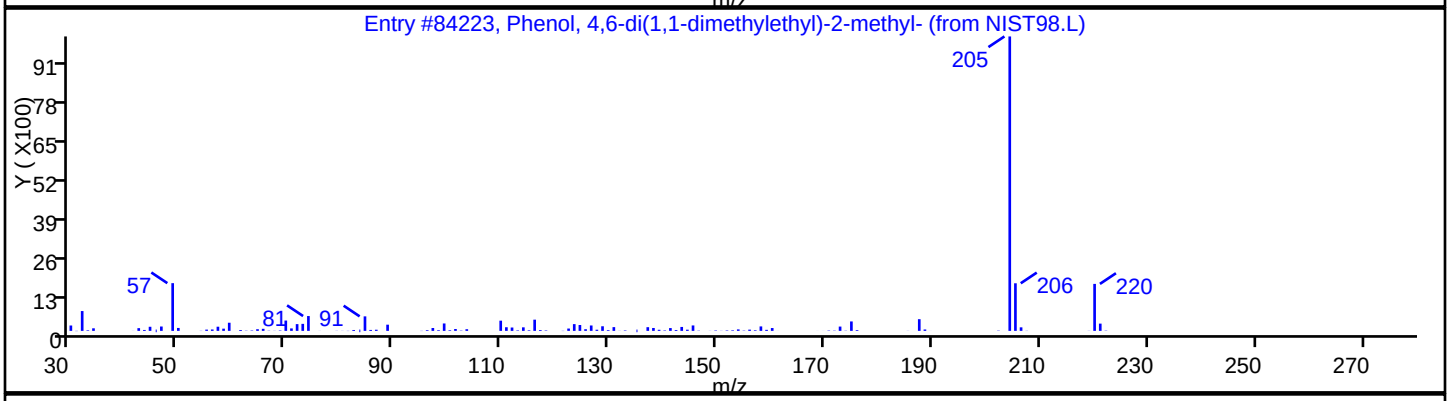
Sample Info: 360-24444-a-7-b

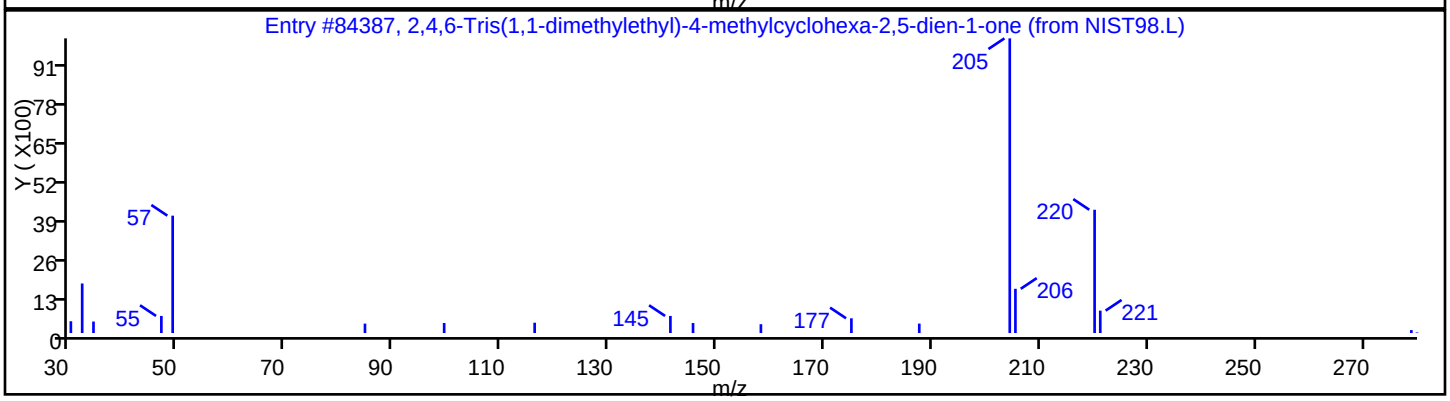
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butylated Hydroxytoluene	128-37-0	NIST98.L	126413	93
Phenol, 4,6-di(1,1-dimethylethyl)-2-meth	616-55-7	NIST98.L	84223	81
2,4,6-Tris(1,1-dimethylethyl)-4-methylcy	19687-22-0	NIST98.L	84387	64









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Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03072.D

Inj Date: 22-Sep-2009 05:47:30 Limit Group: SMS - 8270LL SVOA Calibration

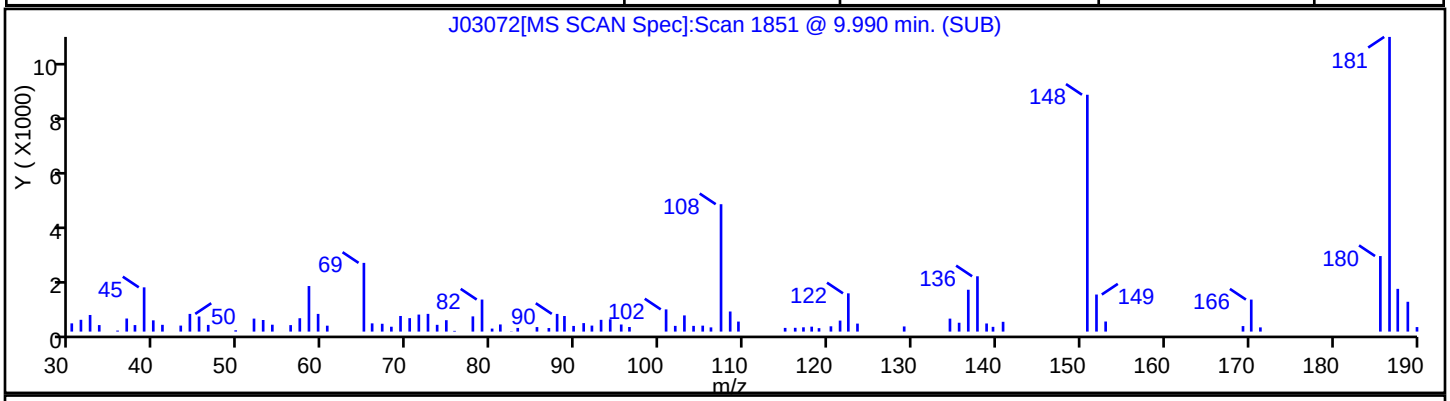
Lims Batch ID: 49260 Lims Sample ID: 34

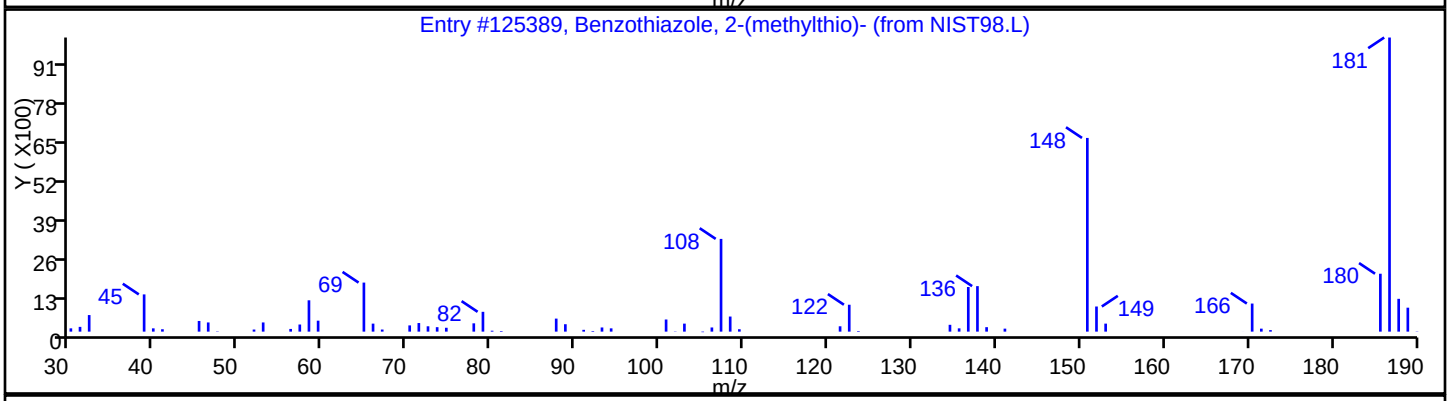
Client ID: OC-SB-467-30/32-XXX Instrument: Inst. J

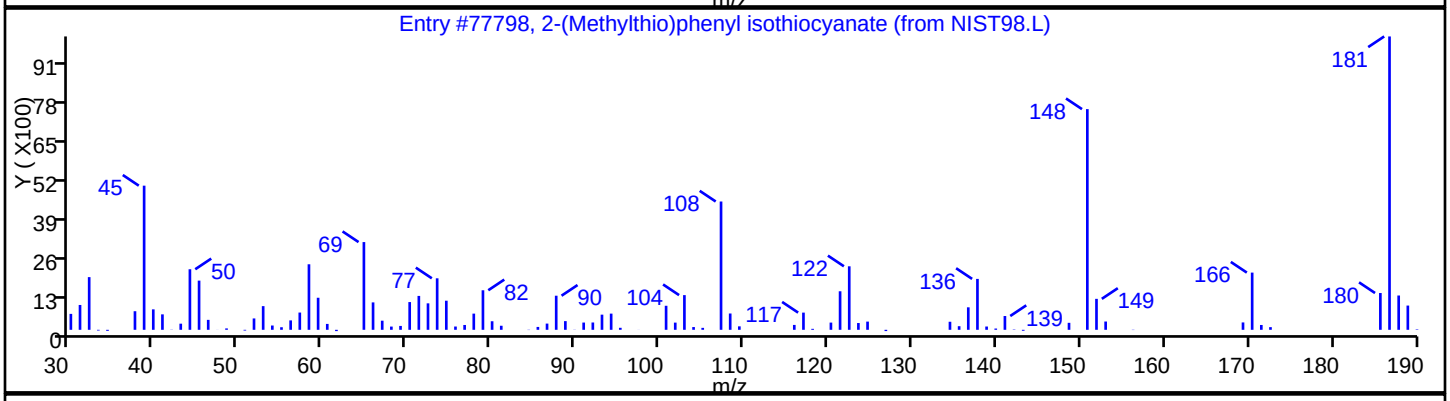
Sample Info: 360-24444-a-7-b

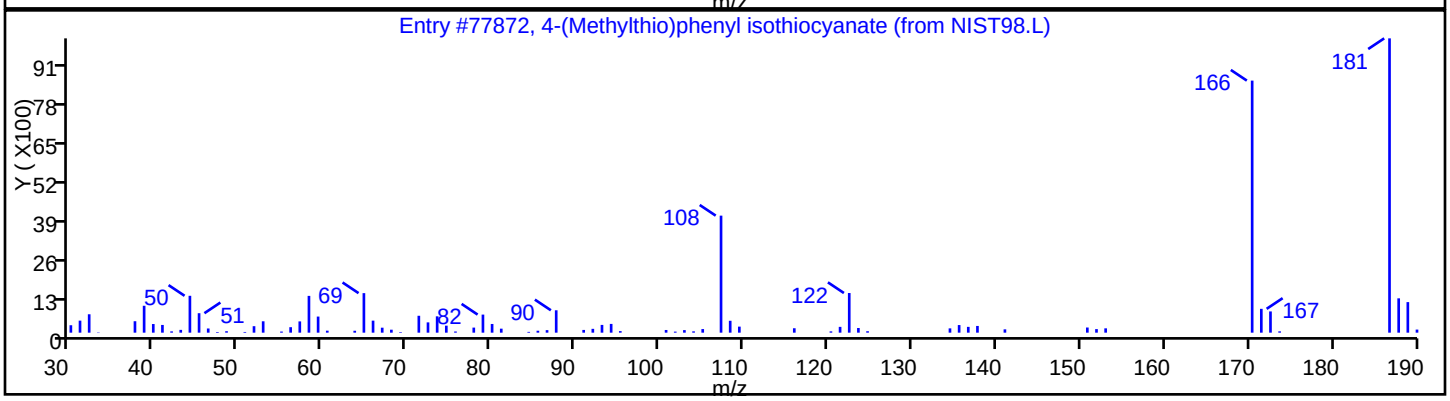
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	125389	98
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	87
4-(Methylthio)phenyl isothiocyanate	15863-41-9	NIST98.L	77872	64





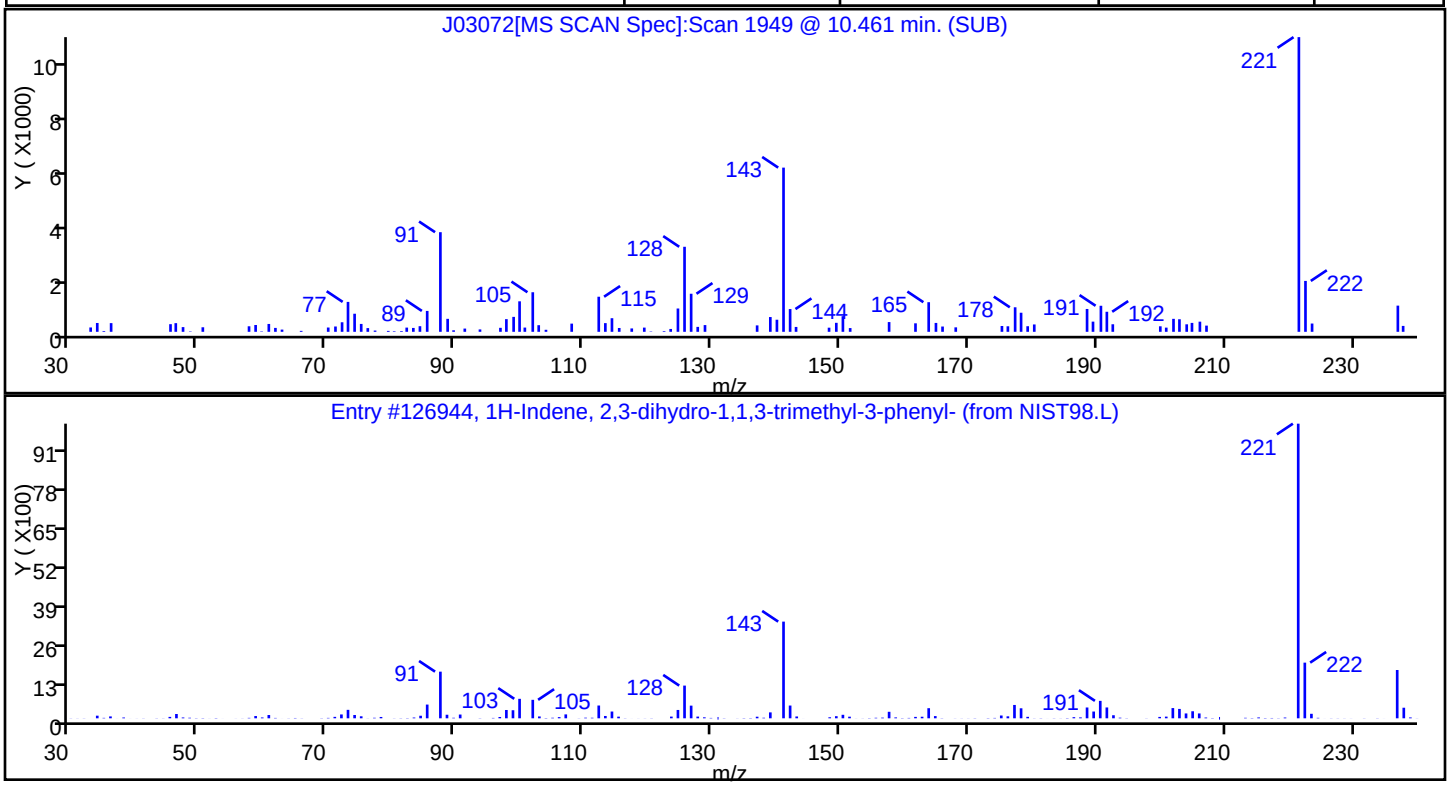




Report Date: 23-Sep-2009 15:56:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03072.D		
Inj Date:	22-Sep-2009 05:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	34
Client ID:	OC-SB-467-30/32-XXX	Instrument:	Inst. J
Sample Info:	360-24444-a-7-b		
Sample Amount:	1.00 ul	Operator:	

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	95



Report Date: 23-Sep-2009 15:56:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03072.D

Inj Date: 22-Sep-2009 05:47:30 Limit Group: SMS - 8270LL SVOA Calibration

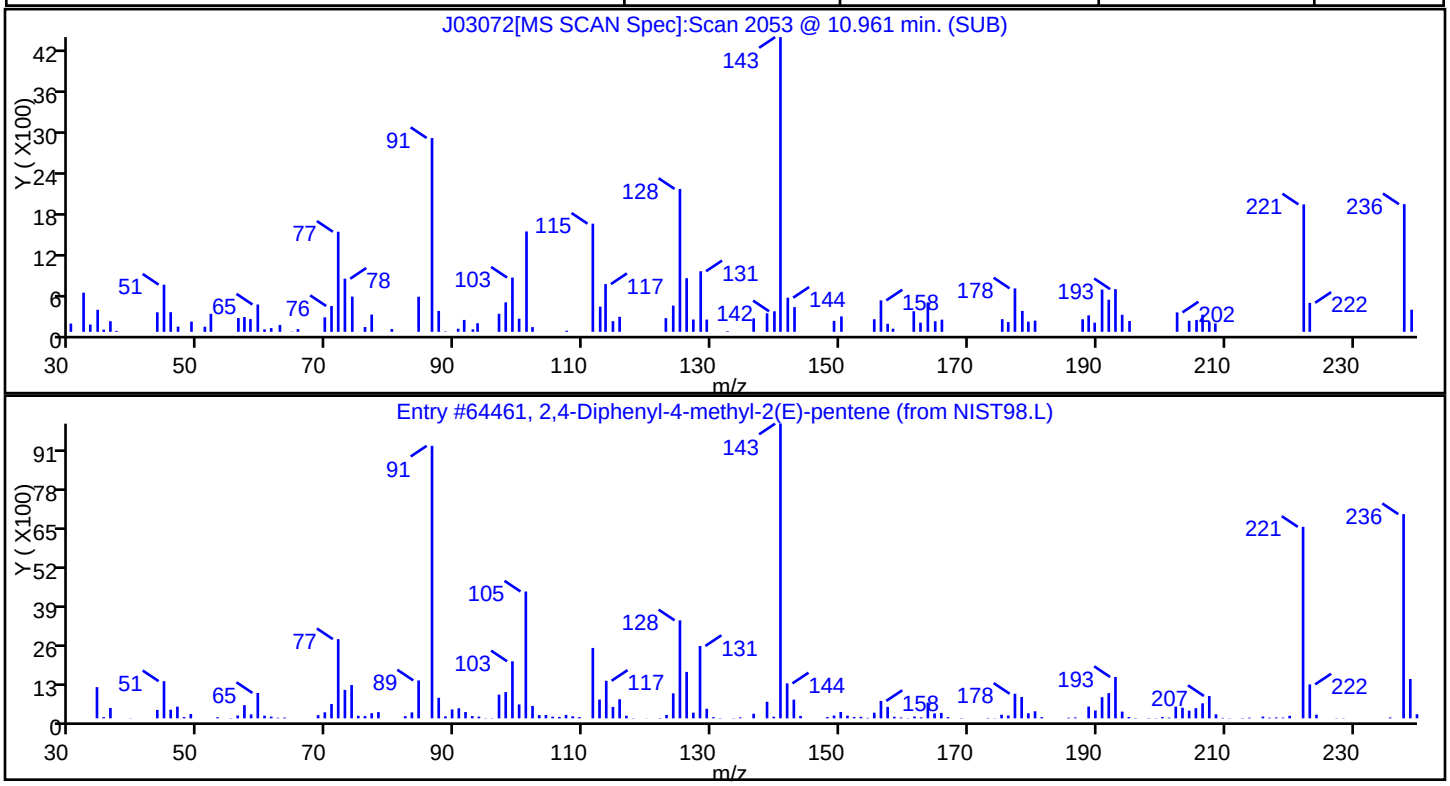
Lims Batch ID: 49260 Lims Sample ID: 34

Client ID: OC-SB-467-30/32-XXX Instrument: Inst. J

Sample Info: 360-24444-a-7-b

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
2,4-Diphenyl-4-methyl-2(E)-pentene	22768-22-5	NIST98.L	64461	96



Report Date: 23-Sep-2009 15:56:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03072.D

Inj Date: 22-Sep-2009 05:47:30 Limit Group: SMS - 8270LL SVOA Calibration

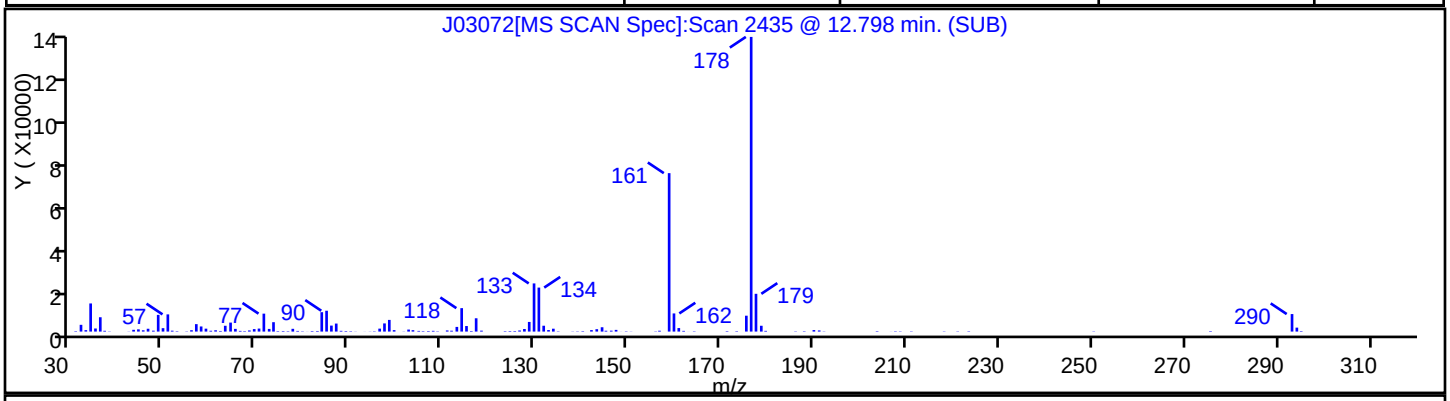
Lims Batch ID: 49260 Lims Sample ID: 34

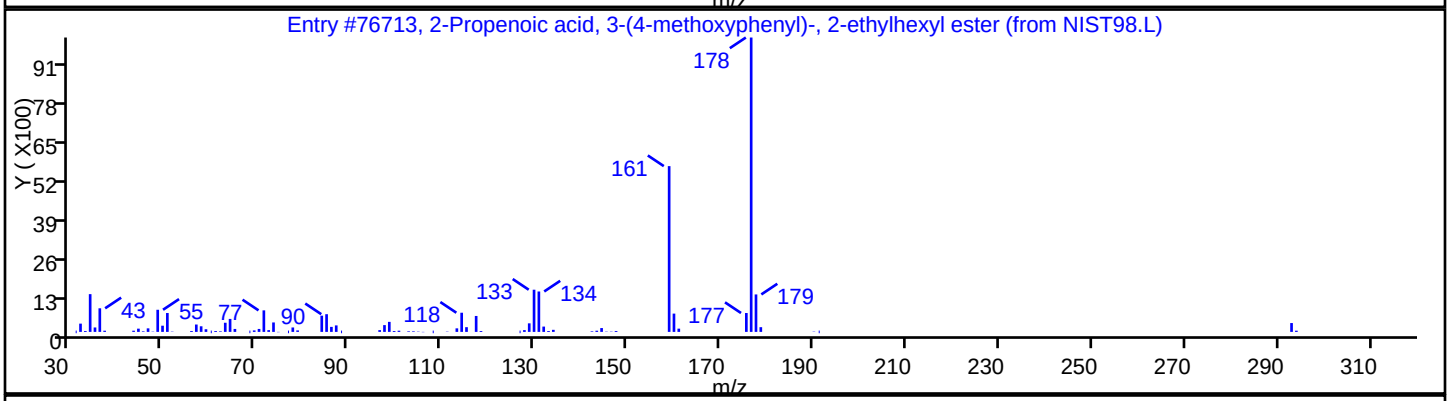
Client ID: OC-SB-467-30/32-XXX Instrument: Inst. J

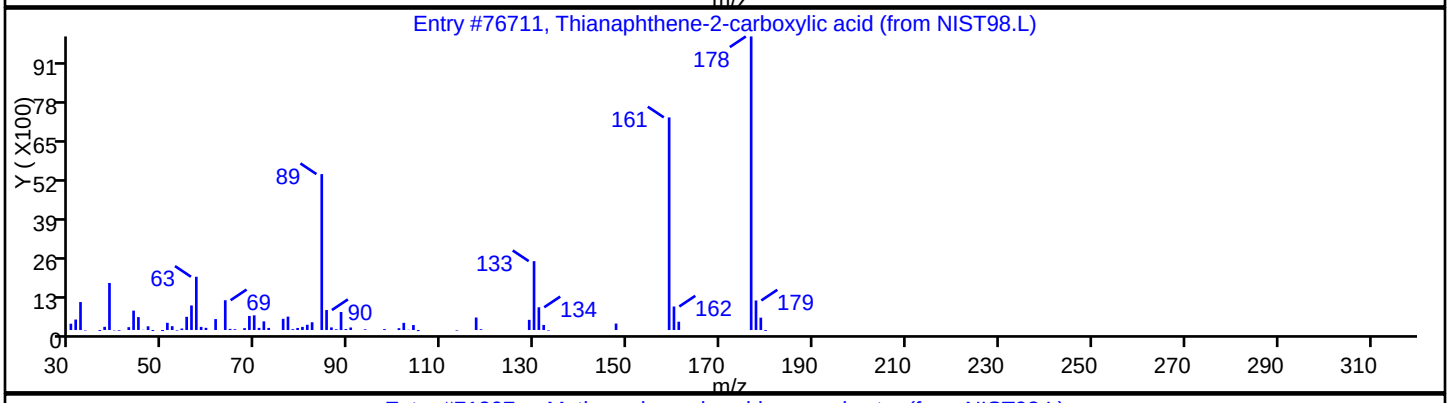
Sample Info: 360-24444-a-7-b

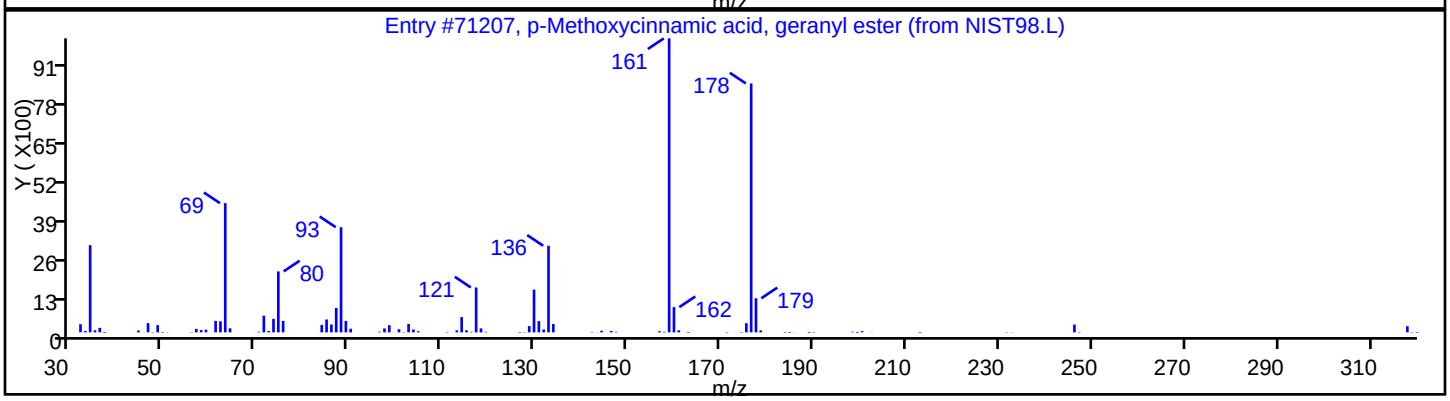
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
2-Propenoic acid, 3-(4-methoxyphenyl)-,	5466-77-3	NIST98.L	76713	98
Thianaphthene-2-carboxylic acid	6314-28-9	NIST98.L	76711	87
p-Methoxycinnamic acid, geranyl ester	1000196-51-5	NIST98.L	71207	72









Report Date: 23-Sep-2009 15:56:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03072.D

Inj Date: 22-Sep-2009 05:47:30 Limit Group: SMS - 8270LL SVOA Calibration

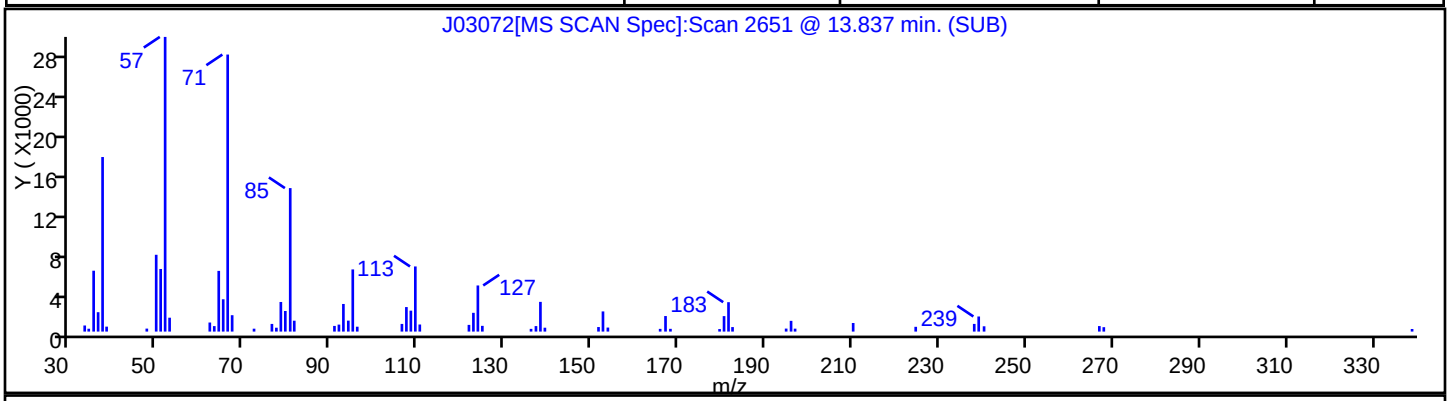
Lims Batch ID: 49260 Lims Sample ID: 34

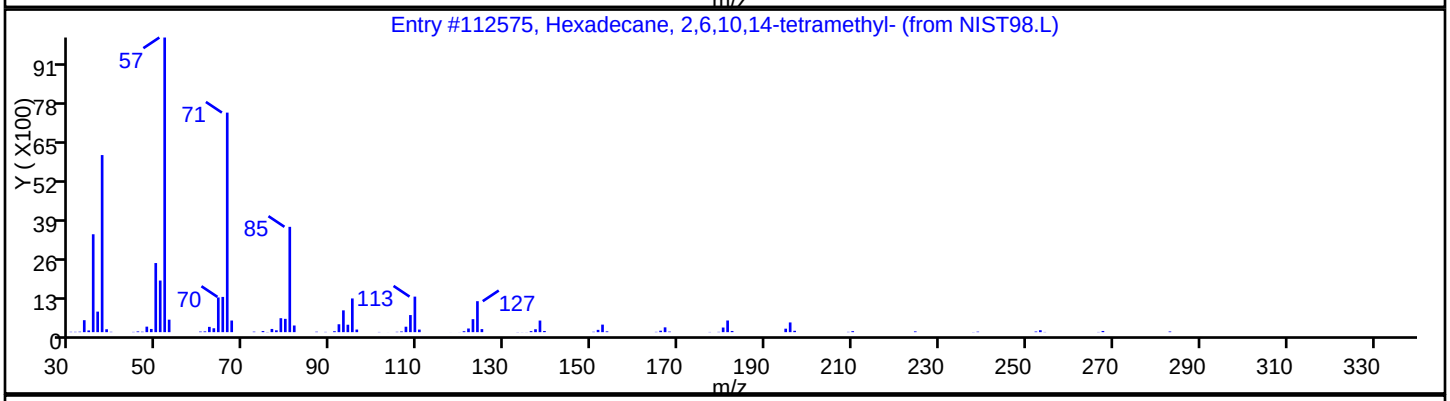
Client ID: OC-SB-467-30/32-XXX Instrument: Inst. J

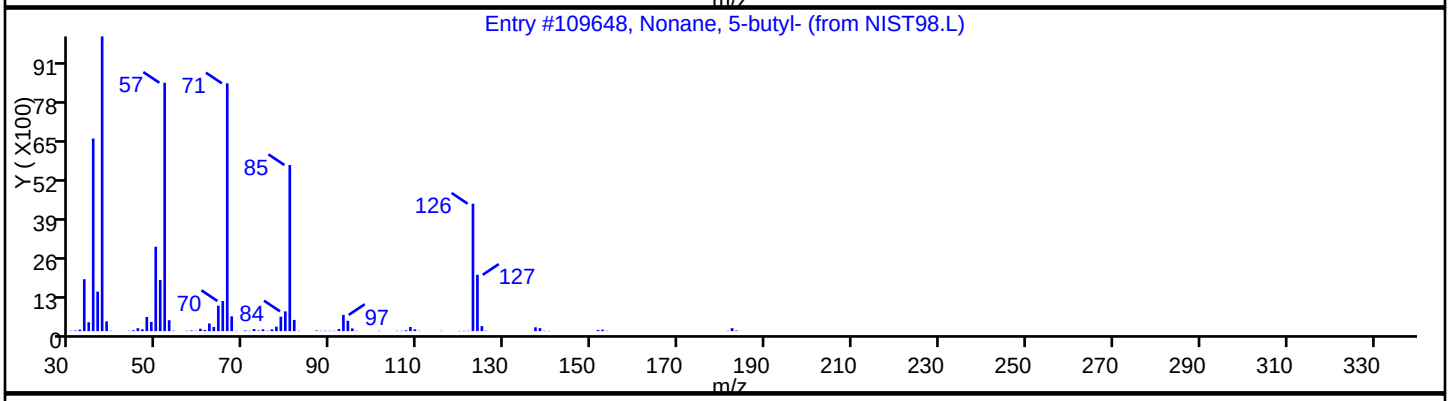
Sample Info: 360-24444-a-7-b

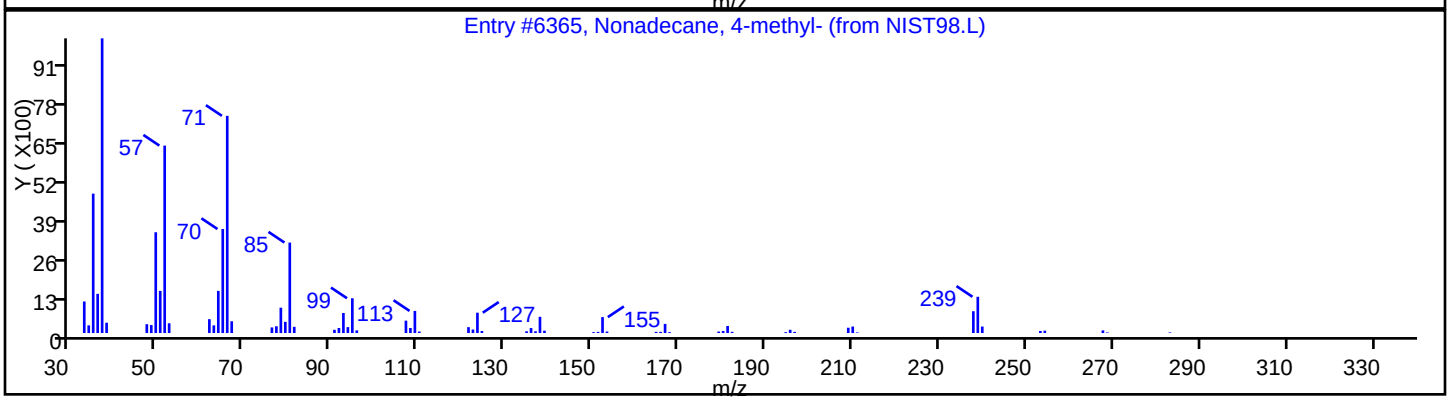
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST98.L	112575	93
Nonane, 5-butyl-	17312-63-9	NIST98.L	109648	93
Nonadecane, 4-methyl-	25117-27-5	NIST98.L	6365	93









Report Date: 23-Sep-2009 15:56:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03072.D

Inj Date: 22-Sep-2009 05:47:30 Limit Group: SMS - 8270LL SVOA Calibration

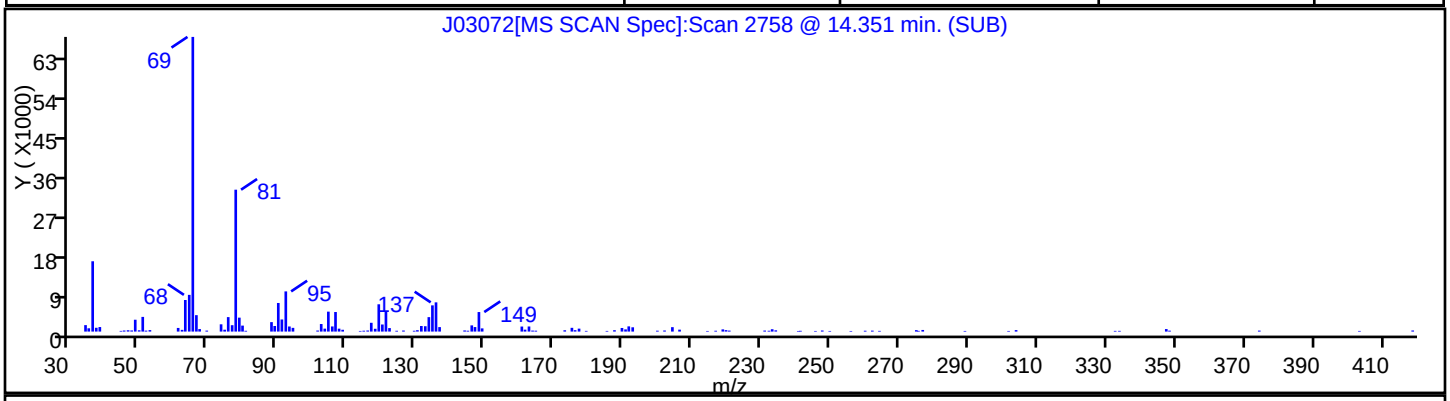
Lims Batch ID: 49260 Lims Sample ID: 34

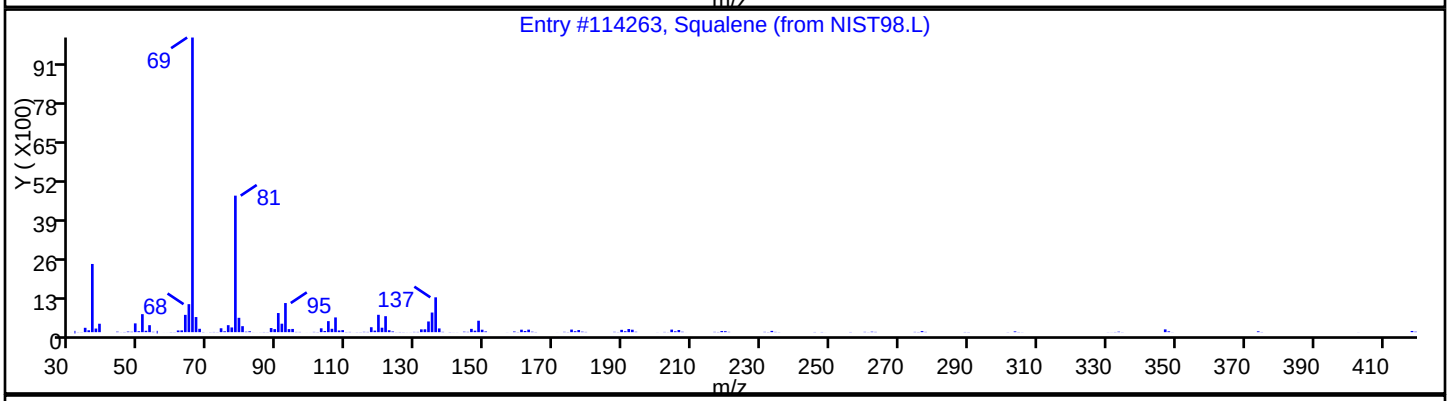
Client ID: OC-SB-467-30/32-XXX Instrument: Inst. J

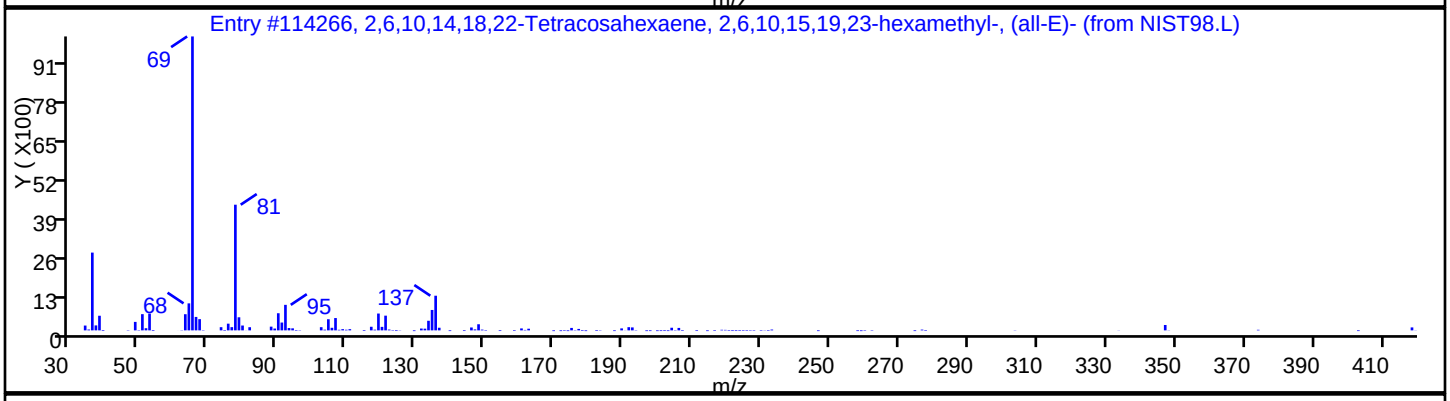
Sample Info: 360-24444-a-7-b

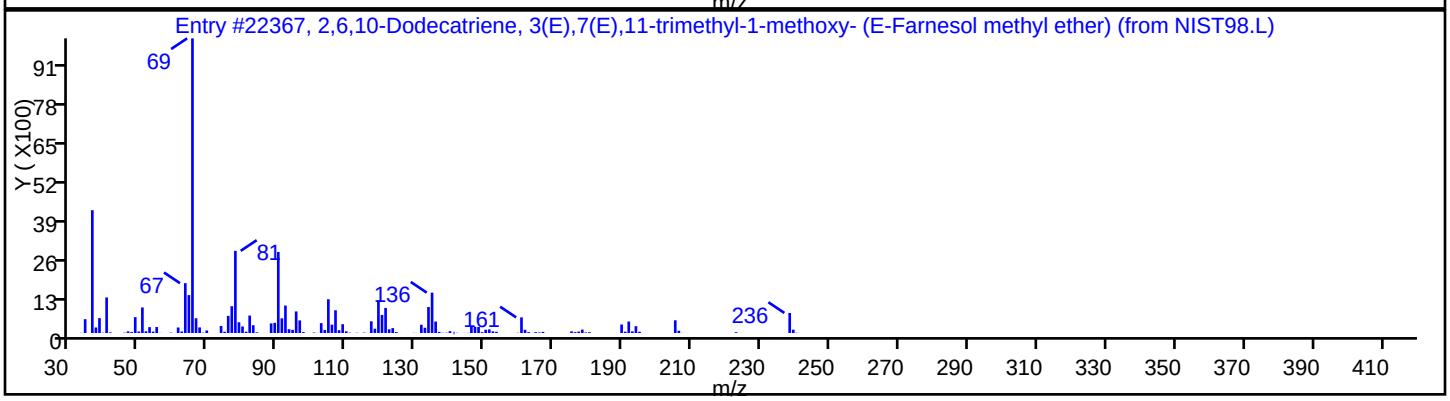
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	99
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	91
2,6,10-Dodecatriene, 3(E),7(E),11-trimet	1000159-57-9	NIST98.L	22367	72





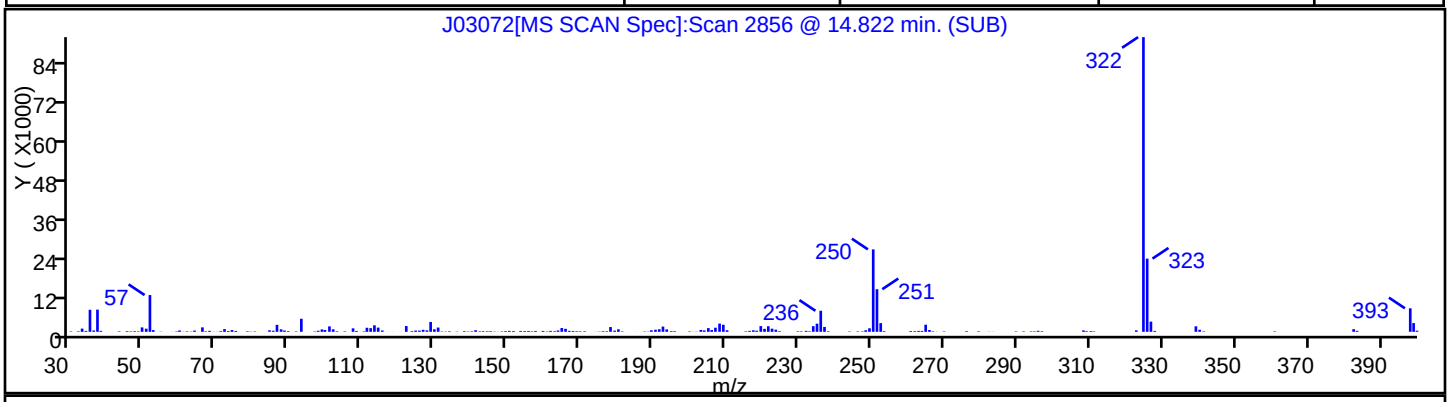


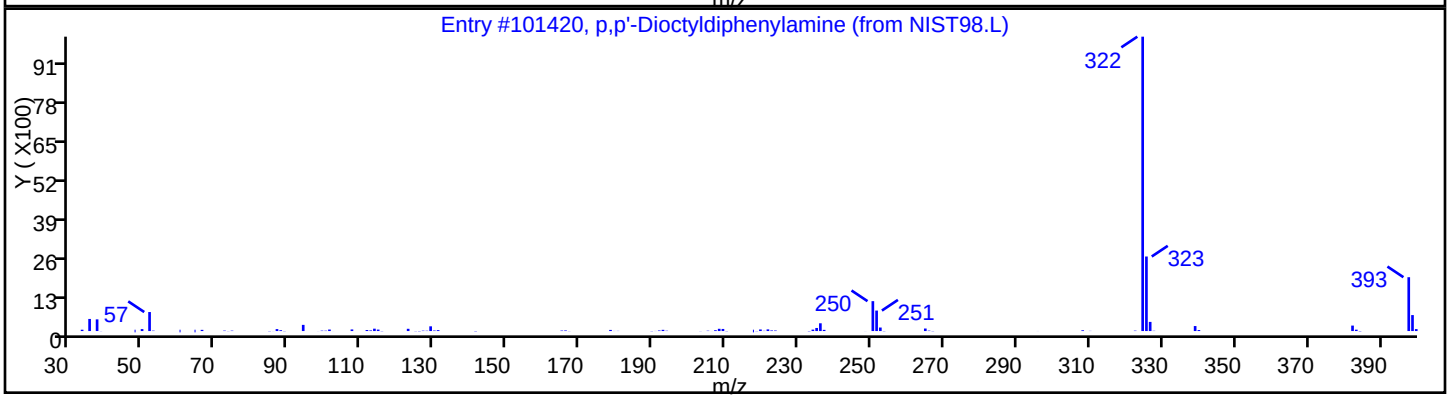


Report Date: 23-Sep-2009 15:56:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03072.D		
Inj Date:	22-Sep-2009 05:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	34
Client ID:	OC-SB-467-30/32-XXX	Instrument:	Inst. J
Sample Info:	360-24444-a-7-b		
Sample Amount:	1.00 ul	Operator:	

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





FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: OC-SB-459-26/28-XXX | Lab Sample ID: 360-24444-13

Matrix: Solid | Lab File ID: B10499.D

Analysis Method: 8270C LL | Date Collected: 09/03/2009 12:25

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

Sample wt/vol: 30.21(g) | Date Analyzed: 09/23/2009 03:29

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

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

% Moisture: 9.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49402 | 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.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: OC-SB-459-26/28-XXX | Lab Sample ID: 360-24444-13

Matrix: Solid | Lab File ID: B10499.D

Analysis Method: 8270C LL | Date Collected: 09/03/2009 12:25

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

Sample wt/vol: 30.21(g) | Date Analyzed: 09/23/2009 03:29

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

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

% Moisture: 9.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49402 | 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	110	B *	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.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: OC-SB-459-26/28-XXX | Lab Sample ID: 360-24444-13

Matrix: Solid | Lab File ID: B10499.D

Analysis Method: 8270C LL | Date Collected: 09/03/2009 12:25

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

Sample wt/vol: 30.21(g) | Date Analyzed: 09/23/2009 03:29

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

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

% Moisture: 9.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49402 | 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	66	30-130	
321-60-8	2-Fluorobiphenyl	65	30-130	
367-12-4	2-Fluorophenol	87	30-130	
4165-60-0	Nitrobenzene-d5	73	30-130	
4165-62-2	Phenol-d5	74	30-130	
1718-51-0	Terphenyl-d14	75	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: OC-SB-459-26/28-XXX | Lab Sample ID: 360-24444-13

Matrix: Solid | Lab File ID: B10499.D

Analysis Method: 8270C LL | Date Collected: 09/03/2009 12:25

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

Sample wt/vol: 30.21(g) | Date Analyzed: 09/23/2009 03:29

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

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

% Moisture: 9.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49402 | Units: ug/Kg

Number TICs Found: 2 | TIC Result Total: 66

CAS NO.	COMPOUND NAME	RT	RESULT	Q
59242-27-2	Furan, 2,5-dihydro-2,5-dimethyl-	5.57	15	T J N
7683-64-9	Squalene	16.44	51	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10499.D		
Lims ID:	360-24444-A-13-C	Client ID:	OC-SB-459-26/28-XXX
Inject. Date:	23-Sep-2009 03:29:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24444-a-13-c		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	49402	Lims Sample ID:	47
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	25-Sep-2009 14:07:07	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	25-Sep-2009 14:07:07

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.694	7.691	0.003	386303	2.00	
* 2 Naphthalene-d8	136	8.824	8.821	0.003	915173	2.00	
* 3 Acenaphthene-d10	164	10.319	10.321	-0.002	464747	2.00	
* 4 Phenanthrene-d10	188	11.584	11.581	0.003	766634	2.00	
* 5 Chrysene-d12	240	15.003	14.990	0.013	524872	2.00	
* 6 Perylene-d12	264	17.393	17.385	0.008	386019	2.00	
$ 7 2-Fluorophenol	112	6.453	6.407	0.046	829958	8.73	
$ 8 Phenol-d5	99	7.338	7.320	0.018	974141	7.36	
$ 9 Nitrobenzene-d5	82	8.184	8.186	-0.002	430922	3.67	
$ 10 2-Fluorobiphenyl	172	9.718	9.720	-0.002	1000661	3.24	
$ 11 2,4,6-Tribromophenol	330	10.988	10.985	0.003	185638	6.61	
$ 12 Terphenyl-d14	244	13.113	13.110	0.003	797624	3.74	
28 3 & 4 Methylphenol	108	8.021	8.013	0.008	1185	0.0107	
30 Acetophenone	105	8.045	8.042	0.003	6004	0.0376	
46 2-Methylnaphthalene	142	9.430	9.426	0.004	2462	0.0108	
52 1,1'-Biphenyl	154	9.814	9.811	0.003	7921	0.0245	M
54 Phenyl ether	170	9.891	9.893	-0.002	23891	0.1674	
66 Diethyl phthalate	149	10.617	10.619	-0.002	4823	0.0163	
84 Di-n-butyl phthalate	149	11.988	11.985	0.003	77103	0.1616	
87 Fluoranthene	202	12.719	12.711	0.008	3957	0.0113	
89 Butyl benzyl phthalate	149	13.767	13.769	-0.002	8178	0.1158	
92 Bis(2-ethylhexyl) phthalate	149	14.883	14.880	0.003	787222	3.08	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10499.D		
Lims ID:	360-24444-A-13-C	Client ID:	OC-SB-459-26/28-XXX
Inject. Date:	23-Sep-2009 03:29:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24444-a-13-c		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	49402	Lims Sample ID:	47
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	25-Sep-2009 14:07:07	Calib Date:	22-Sep-2009 19:41:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 14:07:07

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	8.814	2571	0.0263	
1,4-Dioxane	4.303	372		
Benzidine	12.810	130	0.5881	
Pentachloronitrobenzene	11.382	59	0.0910	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
59242-27-2	Furan, 2,5-dihydro-2,5-dimethyl-					
5.573	339914	0.4126	1	90	32804	
541-2-6	Cyclopentasiloxane, decamethyl-					
8.285	270148	0.2670	2	86	115315	
7683-64-9	Squalene					
16.441	930896	1.38	6	91	114263	

Quantitation Compounds

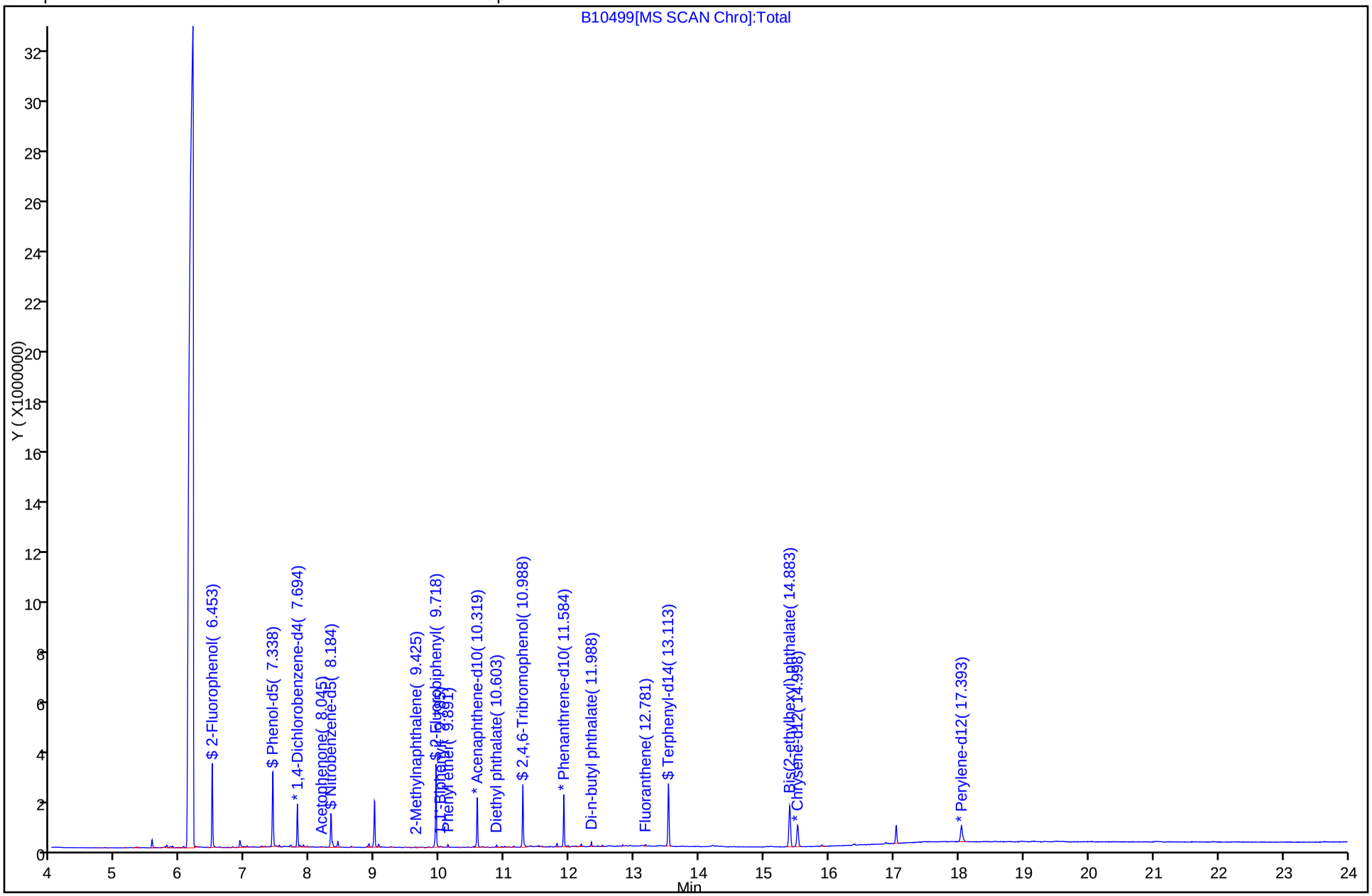
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.694	1647846	2.00
* 2 Naphthalene-d8	8.819	2023429	2.00
* 6 Perylene-d12	17.393	1347029	2.00

QC Flag Legend

Processing Flags

Report Date: 25-Sep-2009 14:07:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10499.D		
Inj Date:	23-Sep-2009 03:29:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49402	Lims Sample ID:	47
Client ID:	OC-SB-459-26/28-XXX	Instrument:	Inst. B
Sample Info:	360-24444-a-13-c		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 25-Sep-2009 14:07:10 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10499.D

Inj Date: 23-Sep-2009 03:29:30 Limit Group: SMS - 8270LL SVOA Calibration

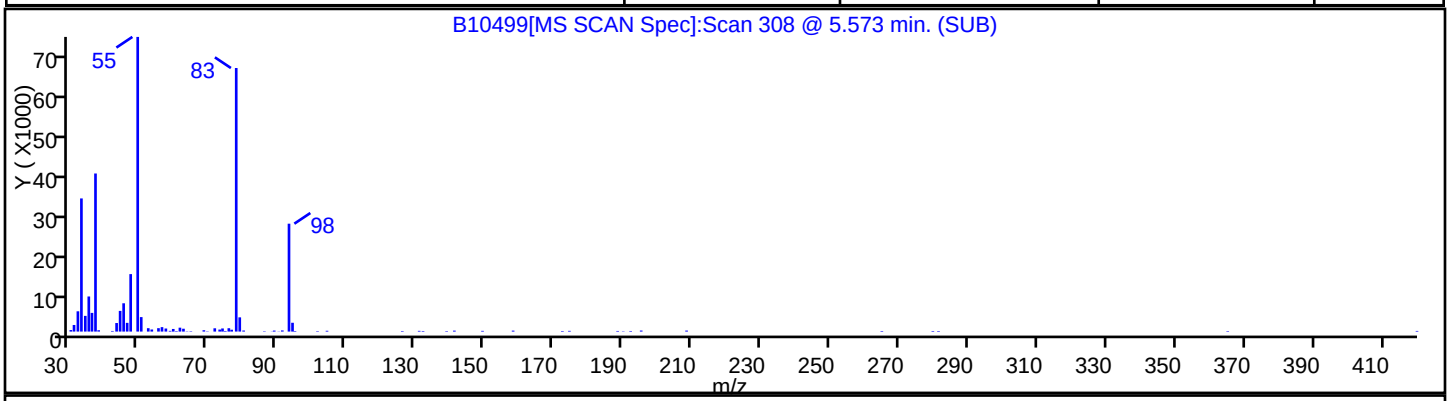
Lims Batch ID: 49402 Lims Sample ID: 47

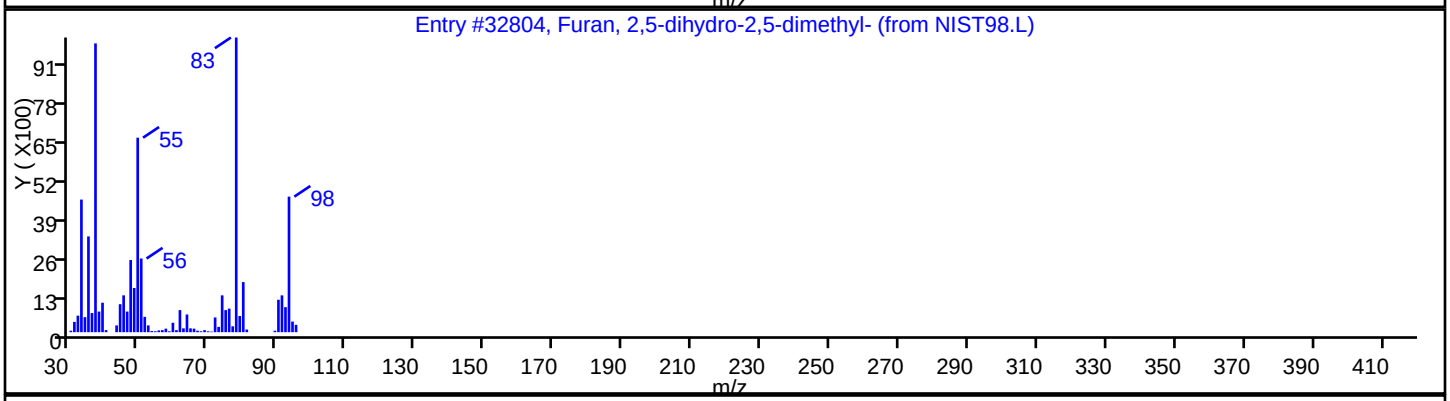
Client ID: OC-SB-459-26/28-XXX Instrument: Inst. B

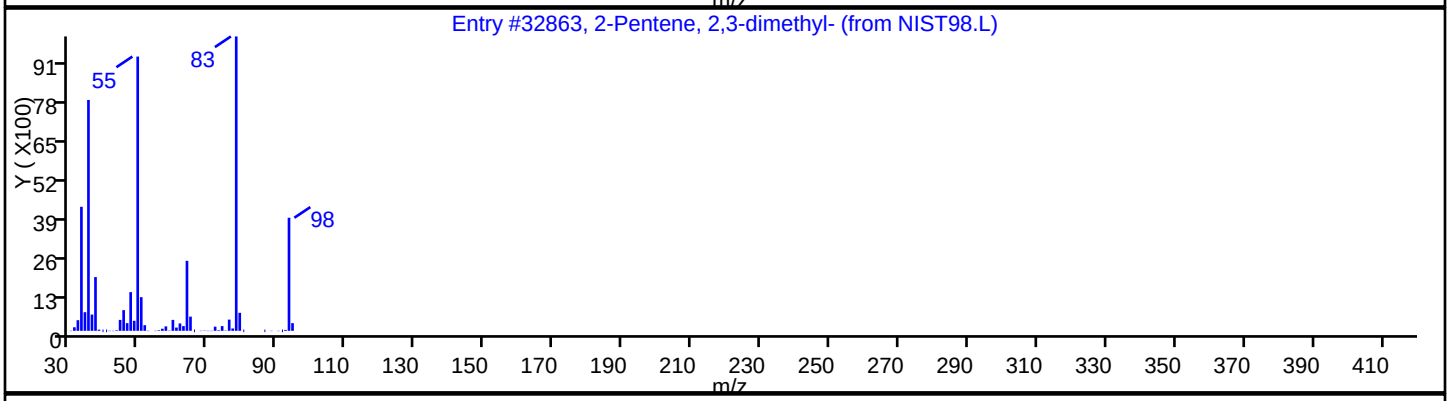
Sample Info: 360-24444-a-13-c

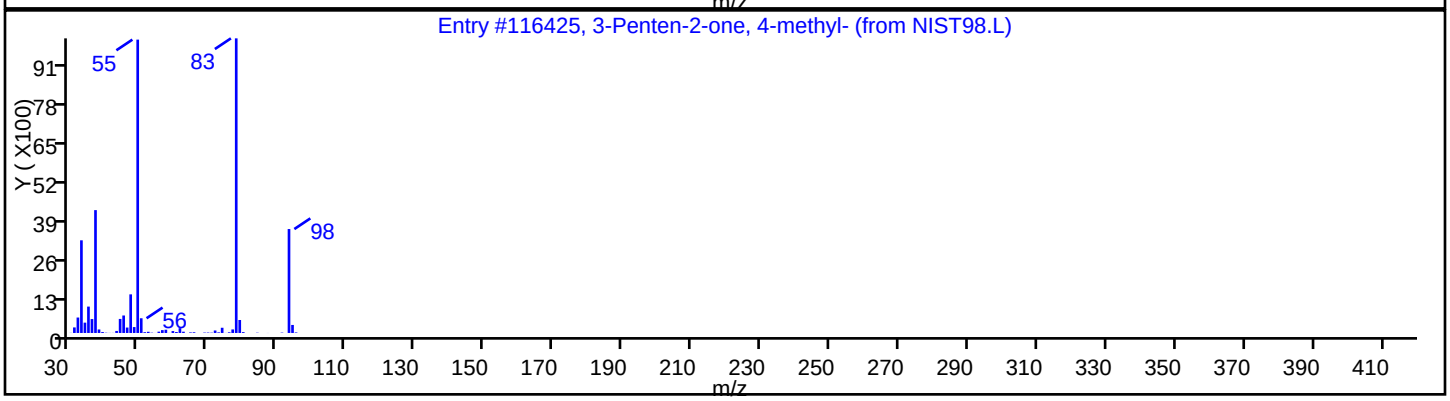
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Furan, 2,5-dihydro-2,5-dimethyl-	59242-27-2	NIST98.L	32804	90
2-Pentene, 2,3-dimethyl-	10574-37-5	NIST98.L	32863	72
3-Penten-2-one, 4-methyl-	141-79-7	NIST98.L	116425	70









Report Date: 25-Sep-2009 14:07:10 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10499.D

Inj Date: 23-Sep-2009 03:29:30 Limit Group: SMS - 8270LL SVOA Calibration

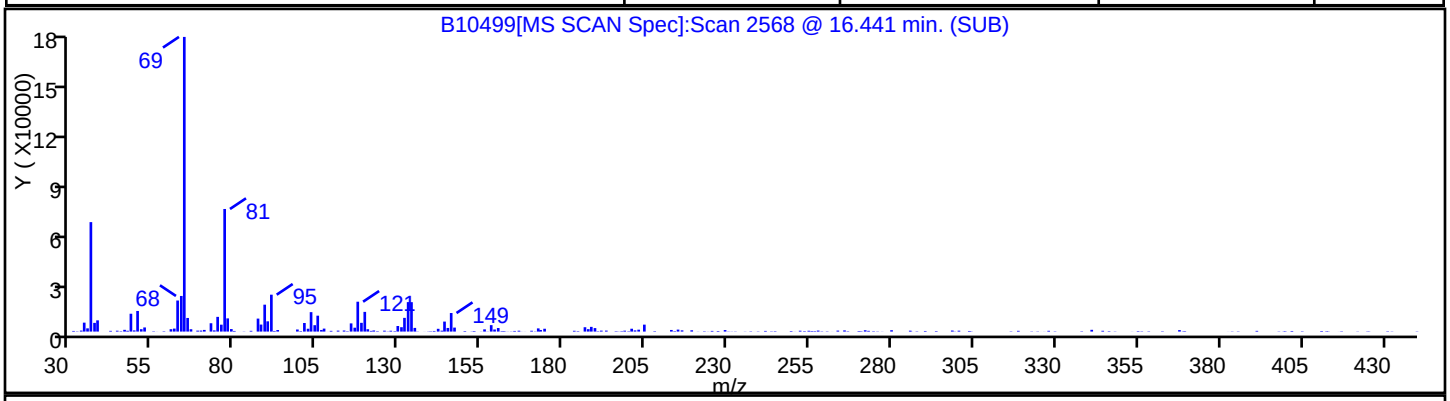
Lims Batch ID: 49402 Lims Sample ID: 47

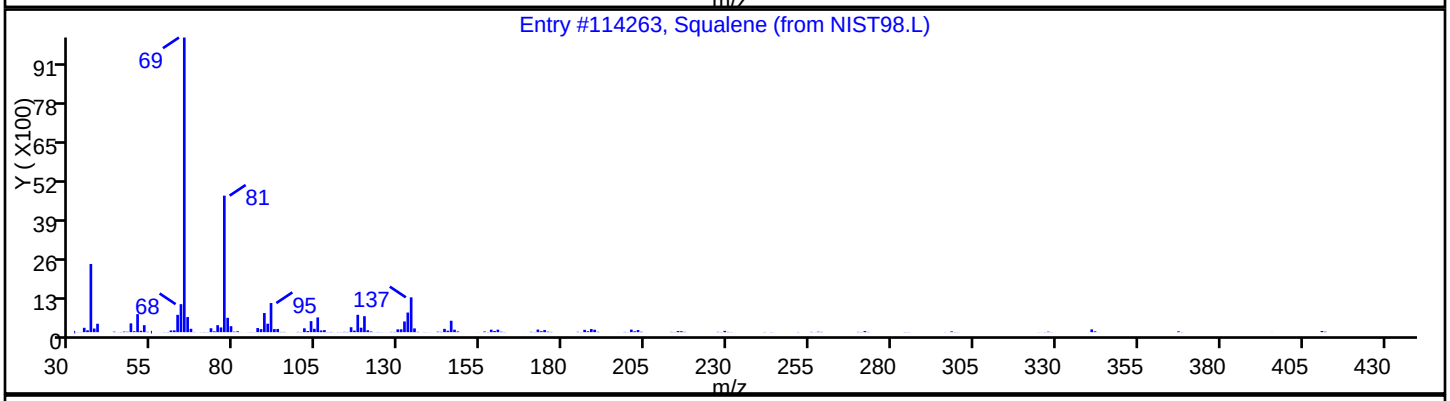
Client ID: OC-SB-459-26/28-XXX Instrument: Inst. B

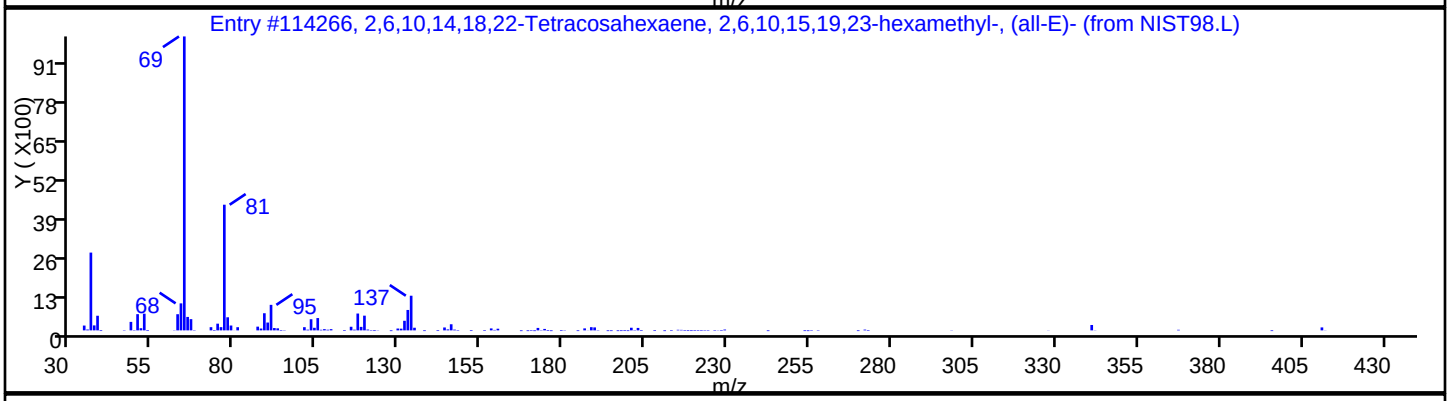
Sample Info: 360-24444-a-13-c

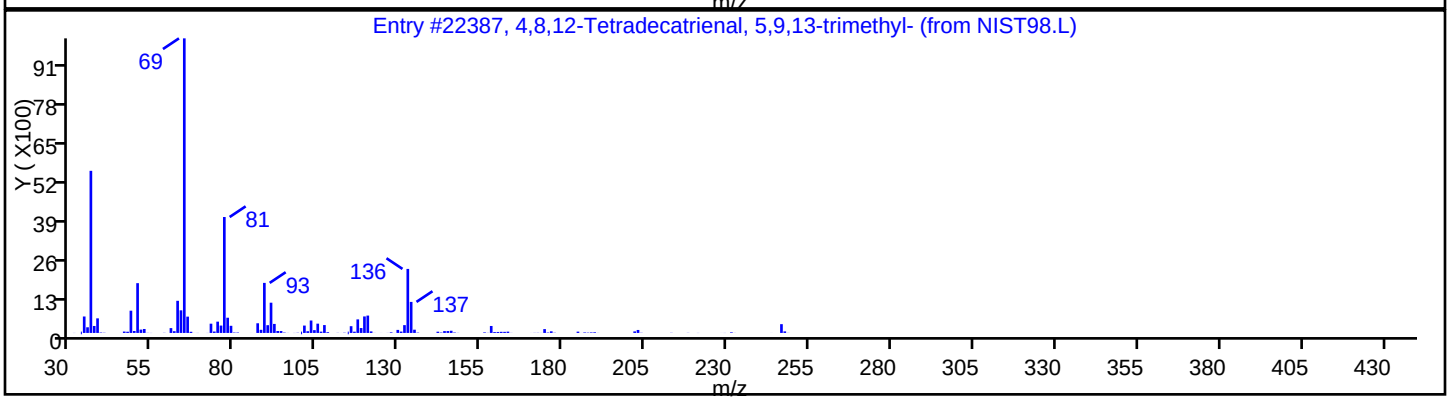
Sample Amount: 1.00 ul Operator: MZ

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
4,8,12-Tetradecatrienal, 5,9,13-trimethy	66408-55-7	NIST98.L	22387	72









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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2 Analy Batch No.: 49400

SDG No.: OCRI-11A

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

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

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 360-49400/5	B10479.D
Level 2	STD025 360-49400/4	B10478.D
Level 3	STD1 360-49400/6	B10480.D
Level 4	STD25 360-49400/7	B10481.D
Level 5	STD5 360-49400/2	B10476.D
Level 6	STD01 360-49400/3	B10477.D
Level 7	STD8 360-49400/8	B10482.D
Level 8	STD10 360-49400/9	B10483.D
Level 9	STD20 360-49400/10	B10484.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0	+++++ +++++	+++++ +++++	+++++ +++++	0.0003	Lin2	0.0044	-0.001							1.0000		0.9900
Pyridine	+++++ 0	0.5628 0.4284	0.4379 0.4080	0.5006 +++++	0.4428	Ave		0.4498				14.0		15.0			
N-Nitrosodimethylamine	+++++ 0.0076	0.3769 0.3209	0.4008 0.3007	0.4076 0.4722	0.3314	Ave		0.3761				14.0		15.0			
2,4-Dinitrophenol	+++++ 0	+++++ 0.0842	0.0239 0.0994	0.0333 0.1212	0.0423	Qua	-0.064	0.0670	0.0029		0.0500				0.9930		0.9900
Benzaldehyde	+++++ 0.0095	0.3634 0.3391	0.4025 0.3054	0.3991 +++++	0.3467	Ave		0.3771				14.0		15.0			
Phenol	+++++ 0.0155	0.7229 0.6358	0.7476 0.5763	0.7434 0.9265	0.6469	Ave		0.7202				14.0		15.0			
Aniline	+++++ 0.0176	0.8375 0.7473	0.8587 0.6801	0.8784 1.0805	0.7618	Ave		0.8417				13.0		15.0			
Bis(2-chloroethyl)ether	+++++ 0.0134	0.6225 0.5081	0.6004 0.4661	0.6002 +++++	0.5162	Ave		0.5740				12.0		15.0			
2-Chlorophenol	+++++ 0.0123	0.6157 0.5462	0.6346 0.4855	0.6463 0.7794	0.5450	Ave		0.6102				14.0		15.0			
Benzoic acid	+++++ 0	0.0126 0.0775	0.0336 0.0992	0.0439 +++++	0.0360	Qua	0.0185	-0.013	0.0110						0.9930		0.9900
Pentachlorophenol	+++++ 0	+++++ 0.0885	0.0236 0.0955	0.0495 0.1148	0.0578	Lin	-0.215	0.1223							0.9900		0.9900
1,4-Dichlorobenzene	+++++ 0.0172	0.8101 0.6410	0.7893 0.5846	0.7770 0.9277	0.6700	Ave		0.7617				14.0		15.0			
1,3-Dichlorobenzene	+++++ 0.0181	0.8826 0.6692	0.8305 0.6116	0.8055 +++++	0.6900	Ave		0.7760				14.0		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2 Analy Batch No.: 49400

SDG No.: OCRI-11A

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

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

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzyl alcohol	+++++ 0.0090	0.4383 0.4536	0.5017 0.4182	0.5215 +++++	0.4648	Ave		0.4630				7.2		15.0			
1,2-Dichlorobenzene	+++++ 0.0190	0.8564 0.6093	0.7447 0.5587	0.7476 +++++	0.6340	Lin1	0.0603	0.6020							0.9910		0.9900
2-Methylphenol	+++++ 0.0121	0.5295 0.4881	0.5849 0.4415	0.5794 0.7131	0.5005	Ave		0.5565				14.0		15.0			
2,2'-oxybis[1-chloropropane]	+++++ 0.0259	1.1613 0.8864	1.1167 0.7982	1.0847 +++++	0.9173	Lin	0.2667	0.8162							0.9910		0.9900
3 & 4 Methylphenol	+++++ 0.0114	0.5515 0.5154	0.5889 0.4666	0.6012 0.7548	0.5341	Ave		0.5749				14.0		15.0			
N-Nitrosodi-n-propylamine	+++++ 0.0076	0.3813 0.3661	0.4194 0.3425	0.4306 +++++	0.3725	Ave		0.3871			0.0500	7.6		15.0			
Acetophenone	+++++ 0.0177	0.8896 0.7136	0.8430 0.6605	0.8400 1.0561	0.7277	Ave		0.8278				14.0		15.0			
4-Nitrophenol	+++++ 0	+++++ 0.1776	0.1052 0.1752	0.1338 0.1872	0.1526	Lin1	-0.024	0.1775			0.0500				0.9910		0.9900
Hexachloroethane	+++++ 0.0057	0.2761 0.2323	0.2778 0.2170	0.2793 0.3462	0.2402	Ave		0.2696				14.0		15.0			
Nitrobenzene	+++++ 0.0051	0.2771 0.2206	0.2800 0.2012	0.2807 +++++	0.2371	Ave		0.2523				12.0		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0	+++++ 0.0835	0.0392 0.0916	0.0454 0.1086	0.0553	Qua	-0.037	0.0688	0.0021						0.9970		0.9900
Isophorone	+++++ 0.0085	0.4061 0.3746	0.4623 0.3448	0.4717 +++++	0.3993	Ave		0.4127				10.0		15.0			
2,4-Dimethylphenol	+++++ 0.0050	0.2334 0.2120	0.2518 0.1968	0.2590 0.1434	0.2290	Qua	0.0058	0.2550	-0.006						1.0000		0.9900
2-Nitrophenol	+++++ 0.0022	0.0951 0.1190	0.1269 0.1119	0.1426 0.0838	0.1136	Ave		0.1124				15.0		15.0			
Bis(2-chloroethoxy)methane	+++++ 0.0057	0.2793 0.2158	0.2793 0.1998	0.2747 +++++	0.2294	Ave		0.2561				14.0		15.0			
2,4-Dichlorophenol	+++++ 0.0044	0.1828 0.1699	0.2081 0.1568	0.2146 +++++	0.1790	Ave		0.1905				12.0		15.0			
1,2,4-Trichlorobenzene	+++++ 0.0055	0.2668 0.1946	0.2547 0.1777	0.2515 0.1296	0.2036	Qua	0.0239	0.2289	-0.005						0.9990		0.9900
Alpha-Terpineol	+++++ 0.0047	0.2220 0.1893	0.2297 0.1758	0.2346 +++++	0.1987	Ave		0.2134				10.0		15.0			
Naphthalene	+++++ 0.0182	0.8943 0.6109	0.8210 0.5537	0.8069 +++++	0.6597	Qua	0.0355	0.8035	-0.025						0.9990		0.9900
4-Chloroaniline	+++++ 0.0060	0.3075 0.2556	0.3083 0.2423	0.3166 +++++	0.2674	Ave		0.2861				9.6		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2 Analy Batch No.: 49400

SDG No.: OCRI-11A

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

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

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Hexachlorobutadiene	+++++ 0.0031	0.1351 0.0989	0.1306 0.0914	0.1261 +++++	0.1048	Lin	0.0324	0.0924							0.9920		0.9900
Caprolactam	+++++ 0.0014	0.0666 0.0890	0.0946 0.0837	0.1045 0.0611	0.0930	Qua	-0.010	0.1085	-0.002						1.0000		0.9900
4-Chloro-3-methylphenol	+++++ 0.0041	0.1862 0.1752	0.2047 0.1608	0.2115 +++++	0.1830	Ave		0.1901				9.0		15.0			
2-Methylnaphthalene	+++++ 0.0112	0.5582 0.4215	0.5429 0.3846	0.5414 +++++	0.4414	Ave		0.4984				14.0		15.0			
1-Methylnaphthalene	+++++ 0.0112	0.5526 0.4105	0.5302 0.3760	0.5205 +++++	0.4321	Lin	0.1336	0.3815							0.9910		0.9900
Hexachlorocyclopentadiene	+++++ 0.0027	0.1175 0.2135	0.1622 0.2136	0.1746 0.2178	0.1858	Lin1	-0.019	0.2115			0.0500				0.9950		0.9900
1,2,4,5-Tetrachlorobenzene	+++++ 0.0049	0.2203 0.1668	0.2215 0.1533	0.2115 +++++	0.1757	Lin	0.0541	0.1553							0.9920		0.9900
2,4,6-Trichlorophenol	+++++ 0.0042	0.2158 0.3445	0.2747 0.3313	0.3175 0.3584	0.2890	Lin1	-0.026	0.3421							0.9950		0.9900
2,4,5-Trichlorophenol	+++++ 0.0053	0.2342 0.3700	0.2969 0.3481	0.3394 0.3761	0.3058	Lin1	-0.024	0.3607							0.9960		0.9900
1,1'-Biphenyl	+++++ 0.0284	1.3340 1.4784	1.3744 1.3906	1.4608 1.3703	1.3020	Ave		1.3901				4.0		15.0			
2-Chloronaphthalene	+++++ 0.0272	1.2771 1.3381	1.2951 1.2829	1.3557 1.3231	1.2595	Ave		1.3089				2.8		15.0			
Phenyl ether	+++++ 0.0069	0.3434 0.2637	0.3352 0.2452	0.3405 +++++	0.2745	Ave		0.3118				14.0		15.0			
4-Nitroaniline	+++++ 0.0051	0.2479 0.4050	0.3079 0.3856	0.3618 0.4171	0.3518	Lin1	-0.033	0.3998							0.9960		0.9900
Dimethyl phthalate	+++++ 0.0229	1.1383 1.3174	1.2453 1.2516	1.2735 1.2751	1.1866	Ave		1.2254				5.0		15.0			
2,6-Dinitrotoluene	+++++ 0.0033	0.2175 0.3093	0.2723 0.2944	0.2916 0.3193	0.2732	Lin2	-0.014	0.2938							0.9960		0.9900
Acenaphthylene	+++++ 0.0301	1.4858 1.8705	1.6730 1.7631	1.8087 1.6806	1.6564	Ave		1.6712				7.8		15.0			
3-Nitroaniline	+++++ 0.0041	0.1932 0.2967	0.2533 0.2840	0.2842 0.3042	0.2559	Lin1	-0.019	0.2934							0.9970		0.9900
Acenaphthene	+++++ 0.0239	1.0991 1.2759	1.1087 1.2156	1.1949 1.2179	1.0980	Ave		1.1700				5.5		15.0			
2,4-Dinitrotoluene	+++++ 0.0041	0.2140 0.4034	0.3179 0.3889	0.3572 0.4286	0.3305	Lin1	-0.040	0.4038							0.9930		0.9900
Dibenzofuran	+++++ 0.0307	1.5209 1.6417	1.4855 1.5456	1.5934 1.5087	1.4373	Ave		1.5293				3.9		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2 Analy Batch No.: 49400

SDG No.: OCRI-11A

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

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

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,3,4,6-Tetrachlorophenol	+++++ 0.0019	0.1058 0.2612	0.1800 0.2586	0.2171 0.2751	0.2157	Lin1	-0.033	0.2617							0.9930		0.9900
Diethyl phthalate	+++++ 0.0274	1.1913 1.3563	1.2123 1.2975	1.2953 1.3053	1.1976	Ave		1.2722				5.3		15.0			
4-Chlorophenyl phenyl ether	+++++ 0.0113	0.5366 0.6108	0.5392 0.5850	0.5800 0.6213	0.5273	Ave		0.5652				6.5		15.0			
2-Nitroaniline	+++++ 0.0037	0.2029 0.3436	0.2636 0.3430	0.2973 0.3535	0.2851	Lin1	-0.030	0.3411							0.9950		0.9900
Fluorene	+++++ 0.0248	1.2254 1.4205	1.2326 1.3451	1.3248 1.3345	1.2265	Ave		1.2842				5.8		15.0			
Diphenylamine	+++++ 0.0119	0.6376 0.7043	0.6195 0.6709	0.6787 0.6920	0.6061	Ave		0.6451				6.5		15.0			
N-Nitrosodiphenylamine	+++++ 0.0119	0.6376 0.7043	0.6195 0.6709	0.6787 0.6920	0.6061	Ave		0.6451				6.5		15.0			
1,2-Diphenylhydrazine	+++++ 0.0198	0.9875 1.3258	1.1402 1.2694	1.2806 1.2681	1.1562	Ave		1.1652				11.0		15.0			
Azobenzene	+++++ 0.0198	0.9875 1.3258	1.1402 1.2694	1.2806 1.2681	1.1562	Ave		1.1652				11.0		15.0			
Benzophenone	+++++ 0.0105	0.6212 0.8076	0.6897 0.7822	0.7582 0.8104	0.6929	Ave		0.7057				13.0		15.0			
4-Bromophenyl phenyl ether	+++++ 0.0033	0.1730 0.1925	0.1754 0.1859	0.1856 0.2004	0.1689	Ave		0.1804				6.6		15.0			
Hexachlorobenzene	+++++ 0.0037	0.1681 0.1815	0.1569 0.1760	0.1781 0.1856	0.1553	Ave		0.1728				6.7		15.0			
Atrazine	+++++ 0.0032	0.1541 0.2085	0.1816 0.2033	0.1947 0.2149	0.1808	Ave		0.1844				12.0		15.0			
Benzidine	+++++ 0	0.0213 0.1974	0.0803 0.2175	0.0891 0.2861	0.0823	Qua	-0.076	0.1256	0.0083						0.9940		0.9900
Pentachloronitrobenzene	+++++ 0.0011	0.0596 0.0872	0.0704 0.0871	0.0788 0.0953	0.0719	Lin1	-0.008	0.0891							0.9920		0.9900
Phenanthrene	+++++ 0.0232	1.0659 1.0947	0.9862 1.0315	1.0495 0.9857	0.9637	Ave		1.0362				6.1		15.0			
Anthracene	+++++ 0.0178	0.8796 1.0825	0.9576 1.0289	1.0219 0.9817	0.9528	Ave		0.9677				7.0		15.0			
Carbazole	+++++ 0.0164	0.8063 0.8516	0.8289 0.8155	0.8377 0.8029	0.7541	Ave		0.8146				3.4		15.0			
Di-n-butyl phthalate	+++++ 0.0319	1.2151 1.3065	1.1712 1.2280	1.2769 1.1015	1.1536	Ave		1.2445				12.0		15.0			
Fluoranthene	+++++ 0.0180	0.8240 0.9947	0.8638 0.9660	0.9399 0.9664	0.8863	Ave		0.9119				6.3		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2 Analy Batch No.: 49400

SDG No.: OCRI-11A

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

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

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Pyrene	+++++ 0.0264	1.3563 1.3987	1.3353 1.3147	1.5656 1.3515	1.2414	Ave		1.3522				6.8		15.0			
Butyl benzyl phthalate	+++++ 0.0089	0.4402 0.7000	0.5568 0.6684	0.7487 0.7209	0.6001	Lin1	-0.049	0.6966							0.9960		0.9900
3,3'-Dichlorobenzidine	+++++ 0.0026	0.1583 0.2900	0.2108 0.2814	0.2552 0.3142	0.2525	Lin1	-0.035	0.2953							0.9940		0.9900
Bis(2-ethylhexyl) phthalate	+++++ 0.0142	0.5605 1.0109	0.7113 0.9653	1.0106 1.0514	0.8414	Lin1	-0.088	1.0035							0.9940		0.9900
Benzo[a]anthracene	+++++ 0.0165	0.7927 0.9381	0.8722 0.8982	0.9293 0.9459	0.8570	Ave		0.8764				6.3		15.0			
Chrysene	+++++ 0.0175	0.8737 0.8896	0.8444 0.8411	0.8974 0.8872	0.8118	Ave		0.8618				3.4		15.0			
Di-n-octyl phthalate	+++++ 0.0160	0.8565 2.1473	1.3296 2.0883	2.1411 2.2181	1.6978	Lin1	-0.273	2.1299							0.9920		0.9900
Benzo[b]fluoranthene	+++++ 0.0233	0.9624 1.1914	1.0703 1.1632	1.1937 1.2313	1.0687	Ave		1.1217				7.8		15.0			
Benzo[k]fluoranthene	+++++ 0.0194	0.8997 1.1134	0.9925 1.0657	1.1032 1.1859	0.9482	Ave		1.0256				9.3		15.0			
Benzo[a]pyrene	+++++ 0.0163	0.6716 0.9448	0.7740 0.9186	0.8579 0.9861	0.8253	Ave		0.8358				12.0		15.0			
Indeno[1,2,3-cd]pyrene	+++++ 0.0164	0.6002 0.8498	0.6527 0.8128	0.7357 0.8205	0.7358	Ave		0.7350				14.0		15.0			
Dibenz(a,h)anthracene	+++++ 0.0129	0.4575 0.6818	0.5279 0.6542	0.5718 0.6785	0.5780	Ave		0.5856				15.0		15.0			
Benzo[g,h,i]perylene	+++++ 0.0164	0.6437 0.7177	0.6250 0.6773	0.6725 0.6638	0.6247	Ave		0.6719				9.8		15.0			
2-Fluorophenol	+++++ 0.0105	0.5211 0.4463	0.5291 0.4118	0.5533 +++++	0.4560	Ave		0.4922				10.0		15.0			
Phenol-d5	+++++ 0.0141	0.7195 0.6089	0.6999 0.5581	0.7144 0.8915	0.6162	Ave		0.6856				14.0		15.0			
Nitrobenzene-d5	+++++ 0.0055	0.2711 0.2261	0.2844 0.2039	0.2804 +++++	0.2337	Ave		0.2564				12.0		15.0			
2-Fluorobiphenyl	+++++ 0.0287	1.2859 1.4098	1.3033 1.3178	1.3676 1.3172	1.2347	Ave		1.3281				4.8		15.0			
2,4,6-Tribromophenol	+++++ 0.0007	0.0340 0.0729	0.0522 0.0717	0.0642 0.0806	0.0595	Lin1	-0.009	0.0747							0.9900		0.9900
Terphenyl-d14	+++++ 0.0160	0.7995 0.8470	0.7757 0.7997	0.9335 0.8478	0.7337	Ave		0.8118				7.2		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2 Analy Batch No.: 49400

SDG No.: OCRI-11A

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

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

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 360-49400/5	B10479.D
Level 2	STD025 360-49400/4	B10478.D
Level 3	STD1 360-49400/6	B10480.D
Level 4	STD25 360-49400/7	B10481.D
Level 5	STD5 360-49400/2	B10476.D
Level 6	STD01 360-49400/3	B10477.D
Level 7	STD8 360-49400/8	B10482.D
Level 8	STD10 360-49400/9	B10483.D
Level 9	STD20 360-49400/10	B10484.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Lin2	+++++ 0	+++++ +++++	+++++ +++++	+++++ +++++	315	+++++ 5.00	+++++ +++++	+++++ +++++	+++++ +++++	5.00
Pyridine	DCB	Ave	+++++ 0	20312 730927	78175 1035756	216607 +++++	430889	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
N-Nitrosodimethylamine	DCB	Ave	+++++ 5972	13603 547468	71545 763408	176364 1410514	322510	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
2,4-Dinitrophenol	ANT	Qua	+++++ 0	+++++ 123443	4859 209847	15071 445852	40932	+++++ 5.00	+++++ 8.00	1.00 10.0	2.50 20.0	5.00
Benzaldehyde	DCB	Ave	+++++ 7489	13115 578624	71854 775312	172698 +++++	337379	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
Phenol	DCB	Ave	+++++ 12163	26091 1084732	133458 1463095	321666 2767825	629490	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Aniline	DCB	Ave	+++++ 13831	30227 1274963	153282 1726531	380087 3227695	741302	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	+++++ 10485	22468 866834	107177 1183318	259725 +++++	502332	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
2-Chlorophenol	DCB	Ave	+++++ 9635	22223 931840	113288 1232369	279674 2328210	530312	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Benzoic acid	NPT	Qua	+++++ 0	1106 344152	14552 657380	46171 +++++	88386	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
Pentachlorophenol	PHN	Lin	+++++ 0	+++++ 215873	7824 332928	36133 693970	92940	+++++ 5.00	+++++ 8.00	1.00 10.0	2.50 20.0	5.00
1,4-Dichlorobenzene	DCB	Ave	+++++ 13490	29238 1093647	140893 1484034	336214 2771429	651917	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
1,3-Dichlorobenzene	DCB	Ave	+++++ 14231	31854 1141801	148243 1552523	348543 +++++	671438	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
Benzyl alcohol	DCB	Ave	+++++ 7024	15819 773957	89556 1061738	225647 +++++	452331	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2 Analy Batch No.: 49400

SDG No.: OCRI-11A

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

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

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2-Dichlorobenzene	DCB	Lin1	+++++ 14946	30908 1039552	132926 1418289	323517 +++++	616889	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
2-Methylphenol	DCB	Ave	+++++ 9457	19110 832793	104413 1120879	250709 2130186	487070	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
2,2'-oxybis[1-chloropropane]	DCB	Lin	+++++ 20303	41916 1512318	199336 2026361	469346 +++++	892606	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
3 & 4 Methylphenol	DCB	Ave	+++++ 8909	19905 879321	105121 1184497	260157 2254767	519763	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	+++++ 5947	13762 624668	74867 869372	186330 +++++	362468	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
Acetophenone	DCB	Ave	+++++ 13910	32108 1217508	150485 1676724	363482 3154851	708079	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
4-Nitrophenol	ANT	Lin1	+++++ 0	+++++ 260466	21415 370103	60466 688447	147581	+++++ 5.00	+++++ 8.00	1.00 10.0	2.50 20.0	5.00
Hexachloroethane	DCB	Ave	+++++ 4499	9966 396410	49586 550932	120858 1034231	233722	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Nitrobenzene	NPT	Ave	+++++ 9557	24326 979970	121158 1333371	295386 +++++	581502	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
4,6-Dinitro-2-methylphenol	PHN	Qua	+++++ 0	+++++ 203492	12986 319482	33155 656364	88997	+++++ 5.00	+++++ 8.00	1.00 10.0	2.50 20.0	5.00
Isophorone	NPT	Ave	+++++ 16024	35655 1664312	200046 2285057	496384 +++++	979473	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
2,4-Dimethylphenol	NPT	Qua	+++++ 9377	20488 941997	108960 1304359	272568 2399084	561806	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
2-Nitrophenol	NPT	Ave	+++++ 4094	8353 528523	54899 741358	150039 1402509	278778	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Bis(2-chloroethoxy)methane	NPT	Ave	+++++ 10805	24525 958980	120849 1323968	289108 +++++	562609	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
2,4-Dichlorophenol	NPT	Ave	+++++ 8233	16050 754969	90057 1039168	225826 +++++	439115	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
1,2,4-Trichlorobenzene	NPT	Qua	+++++ 10434	23427 864818	110225 1177496	264671 2168029	499535	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Alpha-Terpineol	NPT	Ave	+++++ 8835	19490 841097	99384 1165049	246876 +++++	487365	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
Naphthalene	NPT	Qua	+++++ 34348	78518 2714151	355285 3669288	849216 +++++	1618283	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
4-Chloroaniline	NPT	Ave	+++++ 11372	26995 1135441	133411 1605681	333234 +++++	655855	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
Hexachlorobutadiene	NPT	Lin	+++++ 5765	11864 439227	56517 605681	132714 +++++	256987	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
Caprolactam	NPT	Qua	+++++ 2578	5845 395344	40931 554869	110000 1022296	228093	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2 Analy Batch No.: 49400

SDG No.: OCRI-11A

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

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

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	+++++ 7757	16350 778601	88584 1065813	222635 +++++	448958	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
2-Methylnaphthalene	NPT	Ave	+++++ 21131	49011 1872781	234933 2548579	569730 +++++	1082653	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
1-Methylnaphthalene	NPT	Lin	+++++ 21163	48515 1823949	229449 2491704	547747 +++++	1059915	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
Hexachlorocyclopentadiene	ANT	Lin1	+++++ 2472	5078 313012	32999 451039	78931 800869	179741	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
1,2,4,5-Tetrachlorobenzene	NPT	Lin	+++++ 9203	19343 741256	95831 1015527	222613 +++++	430949	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
2,4,6-Trichlorophenol	ANT	Lin1	+++++ 3792	9324 505218	55901 699662	143500 1317921	279519	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
2,4,5-Trichlorophenol	ANT	Lin1	+++++ 4799	10121 542524	60427 735084	153373 1383001	295772	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
1,1'-Biphenyl	ANT	Ave	+++++ 25859	57649 2167976	279695 2936790	660228 5038850	1259265	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
2-Chloronaphthalene	ANT	Ave	+++++ 24804	55191 1962217	263555 2709354	612694 4865342	1218136	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Phenyl ether	NPT	Ave	+++++ 13020	30149 1171815	145073 1624999	358357 +++++	673314	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
4-Nitroaniline	ANT	Lin1	+++++ 4689	10714 593850	62660 814305	163523 1533798	340266	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Dimethyl phthalate	ANT	Ave	+++++ 20905	49193 1931811	253418 2643173	575575 4689070	1147621	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
2,6-Dinitrotoluene	ANT	Lin2	+++++ 2976	9400 453582	55404 621792	131791 1174146	264218	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Acenaphthylene	ANT	Ave	+++++ 27453	64208 2742973	340453 3723572	817433 6179998	1602018	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
3-Nitroaniline	ANT	Lin1	+++++ 3758	8351 435112	51540 599772	128451 1118616	247545	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Acenaphthene	ANT	Ave	+++++ 21812	47497 1871010	225607 2567193	540036 4478559	1061916	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
2,4-Dinitrotoluene	ANT	Lin1	+++++ 3775	9247 591597	64687 821220	161447 1575934	319688	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Dibenzofuran	ANT	Ave	+++++ 27958	65725 2407367	302302 3264156	720141 5548087	1390117	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
2,3,4,6-Tetrachlorophenol	ANT	Lin1	+++++ 1736	4570 382997	36629 546207	98109 1011550	208665	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Diethyl phthalate	ANT	Ave	+++++ 24943	51481 1988840	246695 2740233	585423 4799880	1158273	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	+++++ 10338	23191 895754	109733 1235429	262115 2284783	509938	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2 Analy Batch No.: 49400

SDG No.: OCRI-11A

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

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

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2-Nitroaniline	ANT	Lin1	+++++ 3415	8770 503934	53632 724387	134348 1299915	275759	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Fluorene	ANT	Ave	+++++ 22651	52954 2083099	250829 2840734	598758 4907207	1186192	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Diphenylamine	PHN	Ave	+++++ 17755	43433 1717220	205204 2339705	495812 4182249	975393	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
N-Nitrosodiphenylamine	PHN	Ave	+++++ 17755	43433 1717220	205204 2339705	495812 4182249	975393	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
1,2-Diphenylhydrazine	PHN	Ave	+++++ 29522	67267 3232413	377673 4426570	935574 7664189	1860665	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Azobenzene	PHN	Ave	+++++ 29522	67267 3232413	377673 4426570	935574 7664189	1860665	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Benzophenone	PHN	Ave	+++++ 15715	42316 1968986	228458 2727680	553915 4897728	1115131	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	+++++ 4863	11787 469405	58098 648260	135624 1211232	271789	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Hexachlorobenzene	PHN	Ave	+++++ 5569	11452 442438	51968 613688	130146 1121617	249960	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Atrazine	PHN	Ave	+++++ 4750	10496 508448	60167 709025	142272 1299048	290895	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Benzidine	PHN	Qua	+++++ 0	1454 481249	26585 758484	65114 1728954	132411	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Pentachloronitrobenzene	PHN	Lin1	+++++ 1608	4060 212661	23309 303722	57606 575796	115733	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Phenanthrene	PHN	Ave	+++++ 34579	72608 2668995	326663 3597083	766778 5957230	1550932	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Anthracene	PHN	Ave	+++++ 26557	59918 2639164	317204 3588006	746573 5933008	1533314	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Carbazole	PHN	Ave	+++++ 24439	54923 2076312	274564 2843868	611998 4852480	1213658	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Di-n-butyl phthalate	PHN	Ave	+++++ 47674	82770 3185246	387931 4282368	932906 6657448	1856559	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Fluoranthene	PHN	Ave	+++++ 26828	56127 2425089	286119 3368690	686658 5840728	1426274	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Pyrene	CRY	Ave	+++++ 26218	60268 2529790	303076 3508169	709678 6156629	1510072	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Butyl benzyl phthalate	CRY	Lin1	+++++ 8789	19560 1266098	126389 1783685	339398 3284068	729935	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
3,3'-Dichlorobenzidine	CRY	Lin1	+++++ 2622	7036 524541	47844 750826	115685 1431429	307107	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Bis(2-ethylhexyl) phthalate	CRY	Lin1	+++++ 14035	24908 1828326	161460 2575963	458100 4789512	1023471	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2 Analy Batch No.: 49400

SDG No.: OCRI-11A

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

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

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzo[a]anthracene	CRY	Ave	+++++ 16396	35225 1696745	197963 2396717	421225 4309332	1042475	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Chrysene	CRY	Ave	+++++ 17315	38825 1608946	191669 2244555	406803 4041745	987518	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Di-n-octyl phthalate	PRY	Lin1	+++++ 12260	29199 2857632	230571 4046108	666318 7072263	1583707	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Benzo[b]fluoranthene	PRY	Ave	+++++ 17793	32810 1585461	185608 2253685	371465 3926119	996875	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Benzo[k]fluoranthene	PRY	Ave	+++++ 14820	30672 1481646	172113 2064836	343330 3781266	884504	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Benzo[a]pyrene	PRY	Ave	+++++ 12459	22896 1257257	134227 1779897	266981 3144311	769810	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	+++++ 12549	20460 1130866	113194 1574900	228960 2616225	686334	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	+++++ 9891	15596 907350	91546 1267481	177958 2163270	539133	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Benzo[g,h,i]perylene	PRY	Ave	+++++ 12551	21944 955071	108383 1312340	209292 2116396	582711	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
2-Fluorophenol	DCB	Ave	+++++ 8262	18807 761405	94444 1045275	239427 +++++	443731	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
Phenol-d5	DCB	Ave	+++++ 11042	25969 1038794	124934 1416896	309112 2663045	599608	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Nitrobenzene-d5	NPT	Ave	+++++ 10408	23798 1004668	123083 1350871	295065 +++++	573267	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 +++++	5.00
2-Fluorobiphenyl	ANT	Ave	+++++ 26163	55569 2067298	265224 2782986	618088 4843890	1194163	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
2,4,6-Tribromophenol	PHN	Lin1	+++++ 983	2315 177767	17296 250038	46905 486964	95768	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00
Terphenyl-d14	CRY	Ave	+++++ 15874	35526 1531814	176069 2134073	423137 3862214	892449	+++++ 5.00	0.250 8.00	1.00 10.0	2.50 20.0	5.00

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10476.D		
Lims ID:	std5	Client ID:	
Inject. Date:	22-Sep-2009 15:32:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	std5		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49400	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:14:19	Calib Date:	22-Sep-2009 16:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 08:15:17
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:21:03
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:37:51
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:09:07
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:14:19

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	7.692	7.692	0.000	389233	2.00	
* 2 Naphthalene-d8	136	8.823	8.823	0.000	981208	2.00	
* 3 Acenaphthene-d10	164	10.323	10.323	0.000	386865	2.00	
* 4 Phenanthrene-d10	188	11.583	11.583	0.000	643728	2.00	
* 5 Chrysene-d12	240	14.997	14.997	0.000	486579	2.00	
* 6 Perylene-d12	264	17.382	17.382	0.000	373112	2.00	
$ 7 2-Fluorophenol	112	6.409	6.409	0.000	443731	4.64	
$ 8 Phenol-d5	99	7.322	7.322	0.000	599608	4.67	
$ 9 Nitrobenzene-d5	82	8.188	8.188	0.000	573267	4.59	
$ 10 2-Fluorobiphenyl	172	9.717	9.717	0.000	1194163	4.63	
$ 11 2,4,6-Tribromophenol	330	10.986	10.986	0.000	95768	5.00	
$ 12 Terphenyl-d14	244	13.112	13.112	0.000	892449	4.78	
14 1,4-Dioxane	88	4.307	4.307	0.000	315	5.00	5
15 N-Nitrosodimethylamine	42	4.615	4.615	0.000	322510	4.66	
16 Pyridine	79	4.634	4.634	0.000	430889	5.00	
17 Benzaldehyde	105	7.293	7.293	0.000	337379	5.00	
18 Phenol	94	7.337	7.337	0.000	629490	4.55	
19 Aniline	93	7.390	7.390	0.000	741302	4.64	
20 Bis(2-chloroethyl)ether	93	7.433	7.433	0.000	502332	5.00	5
21 2-Chlorophenol	128	7.500	7.500	0.000	530312	4.70	
22 1,4-Dichlorobenzene	146	7.644	7.644	0.000	651917	5.00	5
23 1,3-Dichlorobenzene	146	7.707	7.707	0.000	671438	5.00	
24 Benzyl alcohol	79	7.798	7.798	0.000	452331	5.10	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
25 1,2-Dichlorobenzene	146	7.851	7.851	0.000	616889	5.00	
26 2-Methylphenol	108	7.885	7.885	0.000	487070	4.54	
27 2,2'-oxybis[1-chloropropane]	45	7.914	7.914	0.000	892606	5.00	
28 3 & 4 Methylphenol	108	8.015	8.015	0.000	519763	4.85	
29 N-Nitrosodi-n-propylamine	70	8.029	8.029	0.000	362468	4.96	
30 Acetophenone	105	8.044	8.044	0.000	708079	4.51	
31 Hexachloroethane	117	8.154	8.154	0.000	233722	4.56	
32 Nitrobenzene	77	8.202	8.202	0.000	581502	4.84	
33 Isophorone	82	8.399	8.399	0.000	979473	4.85	
34 2-Nitrophenol	139	8.481	8.481	0.000	278778	5.12	5
35 2,4-Dimethylphenol	107	8.481	8.481	0.000	561806	4.80	
36 Benzoic acid	105	8.515	8.515	0.000	88386	5.00	M
37 Bis(2-chloroethoxy)methane	93	8.563	8.563	0.000	562609	5.00	
38 2,4-Dichlorophenol	162	8.683	8.683	0.000	439115	4.51	
39 1,2,4-Trichlorobenzene	180	8.765	8.765	0.000	499535	5.00	
40 Alpha-Terpineol	59	8.813	8.813	0.000	487365	4.59	
41 Naphthalene	128	8.842	8.842	0.000	1618283	5.00	
42 4-Chloroaniline	127	8.866	8.866	0.000	655855	4.70	
43 Hexachlorobutadiene	225	8.928	8.928	0.000	256987	5.00	
44 Caprolactam	55	9.150	9.150	0.000	228093	5.00	
45 4-Chloro-3-methylphenol	107	9.246	9.246	0.000	448958	4.71	
46 2-Methylnaphthalene	142	9.428	9.428	0.000	1082653	5.00	
47 1-Methylnaphthalene	142	9.515	9.515	0.000	1059915	5.00	5
48 Hexachlorocyclopentadiene	237	9.553	9.553	0.000	179741	5.00	
49 1,2,4,5-Tetrachlorobenzene	216	9.568	9.568	0.000	430949	5.00	
50 2,4,6-Trichlorophenol	196	9.654	9.654	0.000	279519	5.00	5
51 2,4,5-Trichlorophenol	196	9.688	9.688	0.000	295772	5.37	5
52 1,1'-Biphenyl	154	9.813	9.813	0.000	1259265	4.79	
53 2-Chloronaphthalene	162	9.847	9.847	0.000	1218136	4.81	
54 Phenyl ether	170	9.895	9.895	0.000	673314	5.00	
68 4-Nitroaniline	138	9.914	9.914	0.000	340266	5.00	
56 Dimethyl phthalate	163	10.034	10.034	0.000	1147621	5.09	5
57 2,6-Dinitrotoluene	165	10.102	10.102	0.000	264218	5.00	
58 Acenaphthylene	152	10.207	10.207	0.000	1602018	5.24	5
59 3-Nitroaniline	138	10.256	10.256	0.000	247545	5.54	5
60 2,4-Dinitrophenol	184	10.342	10.342	0.000	40932	9.54	5
61 Acenaphthene	153	10.352	10.352	0.000	1061916	4.79	
62 4-Nitrophenol	109	10.357	10.357	0.000	147581	5.00	
63 2,4-Dinitrotoluene	165	10.448	10.448	0.000	319688	5.00	
64 Dibenzofuran	168	10.491	10.491	0.000	1390117	4.84	
65 2,3,4,6-Tetrachlorophenol	232	10.583	10.583	0.000	208665	5.00	
66 Diethyl phthalate	149	10.621	10.621	0.000	1158273	4.67	
67 4-Chlorophenyl phenyl ether	204	10.756	10.756	0.000	509938	4.82	
55 2-Nitroaniline	65	10.775	10.775	0.000	275759	5.00	
69 Fluorene	166	10.785	10.785	0.000	1186192	4.97	
70 4,6-Dinitro-2-methylphenol	198	10.794	10.794	0.000	88997	5.00	
71 Diphenylamine	169	10.847	10.847	0.000	975393	5.05	5
72 N-Nitrosodiphenylamine	169	10.847	10.847	0.000	975393	5.05	5
73 1,2-Diphenylhydrazine	77	10.890	10.890	0.000	1860665	5.39	5
74 Azobenzene	77	10.890	10.890	0.000	1860665	5.39	5
13 Benzophenone	105	10.900	10.900	0.000	1115131	5.00	
75 4-Bromophenyl phenyl ether	248	11.174	11.174	0.000	271789	5.09	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
76 Hexachlorobenzene	284	11.256	11.256	0.000	249960	4.54	
77 Atrazine	200	11.265	11.265	0.000	290895	5.32	5
78 Pentachlorophenol	266	11.410	11.410	0.000	92940	5.00	
79 Pentachloronitrobenzene	237	11.419	11.419	0.000	115733	5.00	
80 Phenanthrene	178	11.607	11.607	0.000	1550932	4.54	
81 Anthracene	178	11.650	11.650	0.000	1533314	5.17	5
83 Carbazole	167	11.766	11.766	0.000	1213658	4.79	
84 Di-n-butyl phthalate	149	11.987	11.987	0.000	1856559	5.00	
87 Fluoranthene	202	12.713	12.713	0.000	1426274	4.96	
86 Benzidine	184	12.814	12.814	0.000	132411	5.00	
85 Pyrene	202	12.992	12.992	0.000	1510072	4.84	
89 Butyl benzyl phthalate	149	13.771	13.771	0.000	729935	5.00	
91 3,3'-Dichlorobenzidine	252	14.872	14.872	0.000	307107	5.00	
92 Bis(2-ethylhexyl) phthalate	149	14.882	14.882	0.000	1023471	5.43	5
93 Benzo[a]anthracene	228	14.973	14.973	0.000	1042475	5.09	5
94 Chrysene	228	15.050	15.050	0.000	987518	4.82	5
95 Di-n-octyl phthalate	149	16.026	16.026	0.000	1583707	5.00	
97 Benzo[b]fluoranthene	252	16.728	16.728	0.000	996875	4.79	
98 Benzo[k]fluoranthene	252	16.771	16.771	0.000	884504	4.94	5
99 Benzo[a]pyrene	252	17.291	17.291	0.000	769810	5.03	5
100 Indeno[1,2,3-cd]pyrene	276	19.604	19.604	0.000	686334	4.73	
101 Dibenz(a,h)anthracene	278	19.633	19.633	0.000	539133	4.72	
102 Benzo[g,h,i]perylene	276	20.277	20.277	0.000	582711	5.00	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 24-Sep-2009 11:14:19 Chrom Revision: 1.1 20-Sep-2009 21:03:36

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

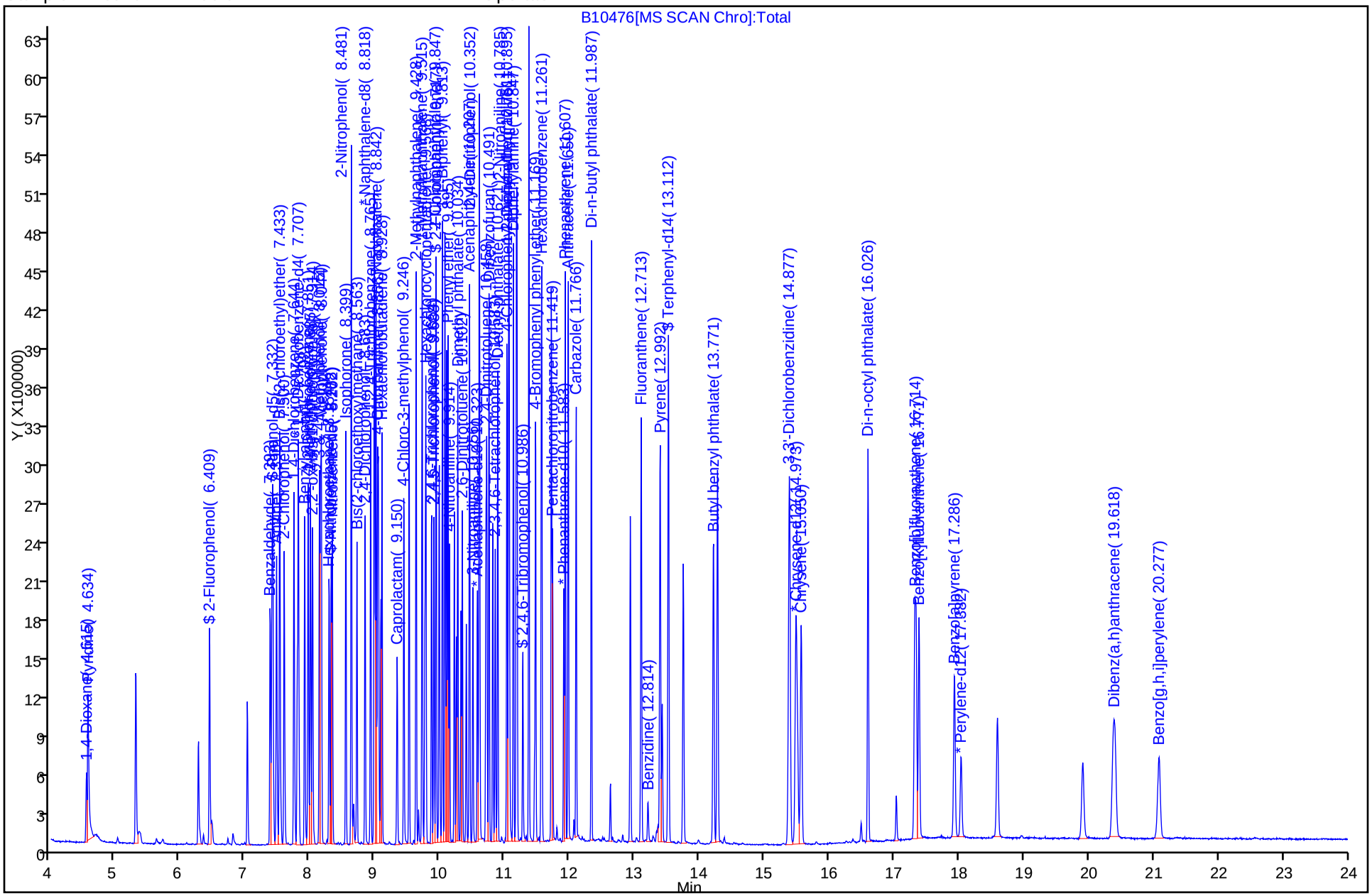
Inj Date: 22-Sep-2009 15:32:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: std5

Sample Amount: 1.00 ul Operator: MZ



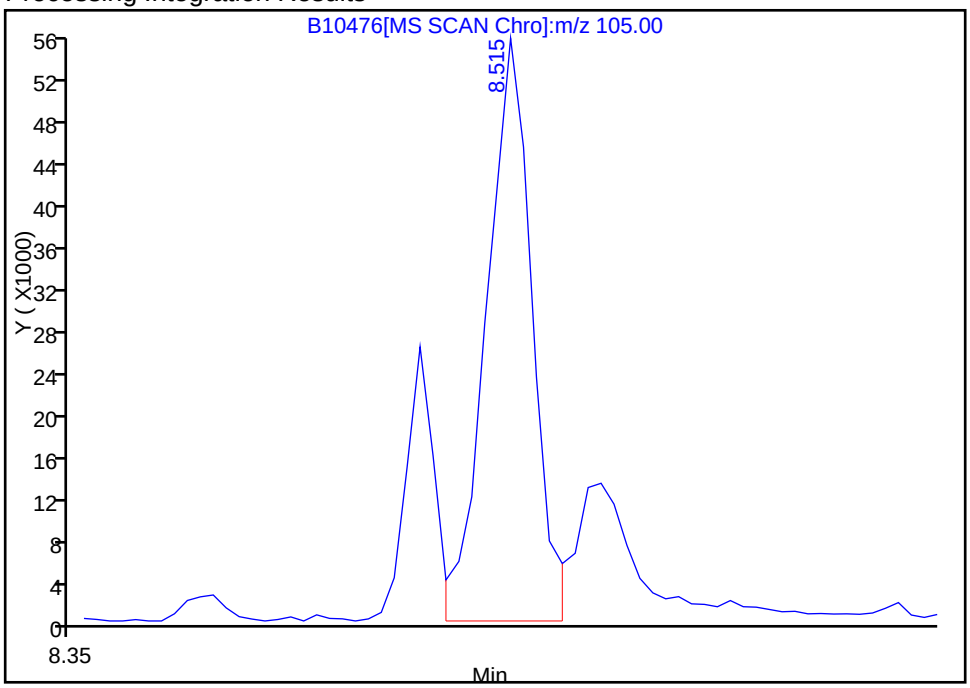
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

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

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

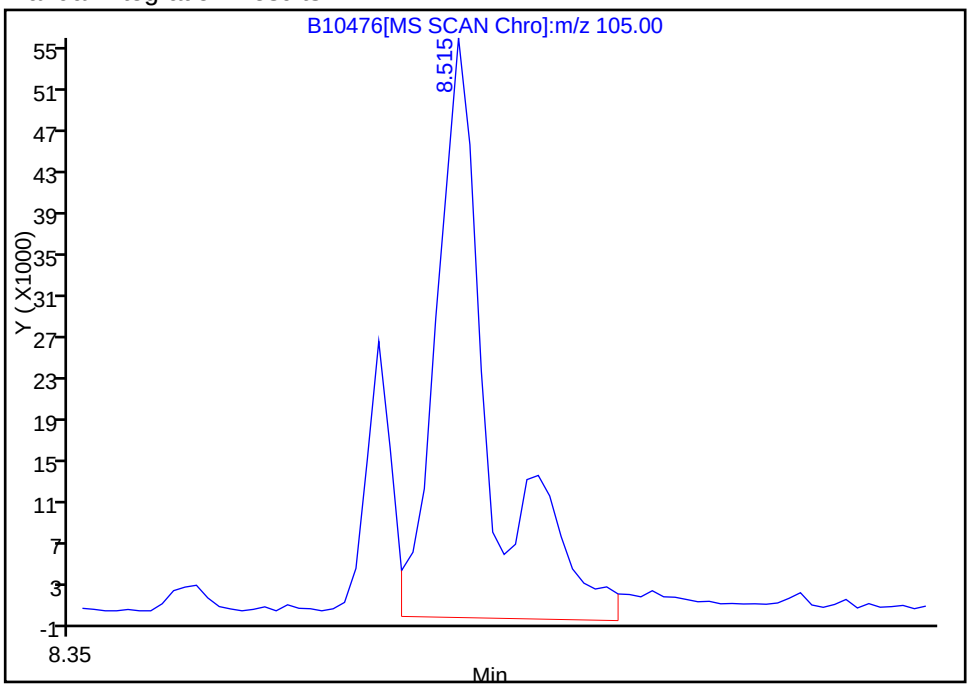
Processing Integration Results

RT: 8.51
Response: 65830
Amount: 5.000000



Manual Integration Results

RT: 8.51
Response: 88386
Amount: 5.000000



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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Lims ID:	std01	Client ID:	
Inject. Date:	22-Sep-2009 16:03:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	std01		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49400	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 10:51:05	Calib Date:	22-Sep-2009 16:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:40:16
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:51:05

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	7.691	7.692	-0.001	313917	2.00	
* 2 Naphthalene-d8	136	8.821	8.823	-0.002	755735	2.00	
* 3 Acenaphthene-d10	164	10.321	10.323	-0.002	364691	2.00	
* 4 Phenanthrene-d10	188	11.581	11.583	-0.002	596902	2.00	
* 5 Chrysene-d12	240	14.990	14.997	-0.007	396662	2.00	
* 6 Perylene-d12	264	17.385	17.382	0.003	305661	2.00	
$ 7 2-Fluorophenol	112	6.411	6.409	0.003	8262	0.1072	
$ 8 Phenol-d5	99	7.320	7.322	-0.002	11042	0.1066	
$ 9 Nitrobenzene-d5	82	8.186	8.188	-0.002	10408	0.1082	
$ 10 2-Fluorobiphenyl	172	9.720	9.717	0.003	26163	0.1075	
$ 11 2,4,6-Tribromophenol	330	10.985	10.986	-0.001	983	0.1000	
$ 12 Terphenyl-d14	244	13.105	13.112	-0.007	15874	0.1043	
15 N-Nitrosodimethylamine	42	4.632	4.615	0.017	5972	0.1069	
17 Benzaldehyde	105	7.296	7.293	0.003	7489	0.1000	
18 Phenol	94	7.335	7.337	-0.002	12163	0.1090	
19 Aniline	93	7.388	7.390	-0.002	13831	0.1073	
20 Bis(2-chloroethyl)ether	93	7.431	7.433	-0.002	10485	0.1000	
21 2-Chlorophenol	128	7.498	7.500	-0.002	9635	0.1059	
22 1,4-Dichlorobenzene	146	7.643	7.644	-0.001	13490	0.1000	
23 1,3-Dichlorobenzene	146	7.705	7.707	-0.002	14231	0.1000	
24 Benzyl alcohol	79	7.801	7.798	0.003	7024	0.0981	
25 1,2-Dichlorobenzene	146	7.849	7.851	-0.002	14946	0.1000	
26 2-Methylphenol	108	7.883	7.885	-0.002	9457	0.1092	
27 2,2'-oxybis[1-chloropropane]	45	7.912	7.914	-0.002	20303	0.1000	
28 3 & 4 Methylphenol	108	8.013	8.015	-0.002	8909	0.1030	
29 N-Nitrosodi-n-propylamine	70	8.032	8.029	0.003	5947	0.1009	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.042	8.044	-0.002	13910	0.1098	
31 Hexachloroethane	117	8.157	8.154	0.003	4499	0.1088	
32 Nitrobenzene	77	8.200	8.202	-0.002	9557	0.1032	
33 Isophorone	82	8.398	8.399	-0.001	16024	0.1030	
34 2-Nitrophenol	139	8.484	8.481	0.003	4094	0.0976	
35 2,4-Dimethylphenol	107	8.479	8.481	-0.002	9377	0.1040	
37 Bis(2-chloroethoxy)methane	93	8.561	8.563	-0.002	10805	0.1000	
38 2,4-Dichlorophenol	162	8.681	8.683	-0.002	8233	0.1098	
39 1,2,4-Trichlorobenzene	180	8.763	8.765	-0.002	10434	0.1000	
40 Alpha-Terpineol	59	8.811	8.813	-0.002	8835	0.1081	
41 Naphthalene	128	8.840	8.842	-0.002	34348	0.1000	
42 4-Chloroaniline	127	8.864	8.866	-0.002	11372	0.1059	
43 Hexachlorobutadiene	225	8.926	8.928	-0.002	5765	0.1000	
44 Caprolactam	55	9.128	9.150	-0.022	2578	0.1000	
45 4-Chloro-3-methylphenol	107	9.244	9.246	-0.002	7757	0.1057	
46 2-Methylnaphthalene	142	9.427	9.428	-0.001	21131	0.1000	
47 1-Methylnaphthalene	142	9.513	9.515	-0.002	21163	0.1000	
48 Hexachlorocyclopentadiene	237	9.556	9.553	0.003	2472	0.1000	
49 1,2,4,5-Tetrachlorobenzene	216	9.566	9.568	-0.002	9203	0.1000	
50 2,4,6-Trichlorophenol	196	9.648	9.654	-0.006	3792	0.1000	
51 2,4,5-Trichlorophenol	196	9.686	9.688	-0.002	4799	0.0925	
52 1,1'-Biphenyl	154	9.811	9.813	-0.002	25859	0.1043	
53 2-Chloronaphthalene	162	9.845	9.847	-0.002	24804	0.1038	
54 Phenyl ether	170	9.893	9.895	-0.002	13020	0.1000	
68 4-Nitroaniline	138	9.912	9.914	-0.002	4689	0.1000	
56 Dimethyl phthalate	163	10.033	10.034	-0.002	20905	0.0983	
57 2,6-Dinitrotoluene	165	10.100	10.102	-0.002	2976	0.1000	
58 Acenaphthylene	152	10.206	10.207	-0.001	27453	0.0952	
59 3-Nitroaniline	138	10.254	10.256	-0.002	3758	0.0892	
61 Acenaphthene	153	10.345	10.352	-0.007	21812	0.1043	
63 2,4-Dinitrotoluene	165	10.446	10.448	-0.002	3775	0.1000	
64 Dibenzofuran	168	10.489	10.491	-0.002	27958	0.1032	
65 2,3,4,6-Tetrachlorophenol	232	10.581	10.583	-0.002	1736	0.1000	
66 Diethyl phthalate	149	10.614	10.621	-0.007	24943	0.1066	
67 4-Chlorophenyl phenyl ether	204	10.754	10.756	-0.002	10338	0.1036	
55 2-Nitroaniline	65	10.773	10.775	-0.002	3415	0.1000	
69 Fluorene	166	10.783	10.785	-0.002	22651	0.1006	
71 Diphenylamine	169	10.845	10.847	-0.002	17755	0.0991	
72 N-Nitrosodiphenylamine	169	10.845	10.847	-0.002	17755	0.0991	
74 Azobenzene	77	10.888	10.890	-0.002	29522	0.0922	
73 1,2-Diphenylhydrazine	77	10.888	10.890	-0.002	29522	0.0922	
13 Benzophenone	105	10.898	10.900	-0.002	15715	0.1000	
75 4-Bromophenyl phenyl ether	248	11.172	11.174	-0.002	4863	0.0982	
76 Hexachlorobenzene	284	11.254	11.256	-0.002	5569	0.1091	
77 Atrazine	200	11.264	11.265	-0.001	4750	0.0936	
79 Pentachloronitrobenzene	237	11.417	11.419	-0.002	1608	0.1000	
80 Phenanthrene	178	11.605	11.607	-0.002	34579	0.1092	
81 Anthracene	178	11.648	11.650	-0.002	26557	0.0966	
83 Carbazole	167	11.764	11.766	-0.002	24439	0.1041	
84 Di-n-butyl phthalate	149	11.985	11.987	-0.002	47674	0.1000	
87 Fluoranthene	202	12.711	12.713	-0.002	26828	0.1007	
85 Pyrene	202	12.990	12.992	-0.002	26218	0.1031	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
89 Butyl benzyl phthalate	149	13.764	13.771	-0.007	8789	0.1000	
91 3,3'-Dichlorobenzidine	252	14.865	14.865	0.000	2622	0.1000	M
92 Bis(2-ethylhexyl) phthalate	149	14.875	14.882	-0.007	14035	0.0914	
93 Benzo[a]anthracene	228	14.971	14.973	-0.002	16396	0.0982	
94 Chrysene	228	15.043	15.050	-0.007	17315	0.1036	
95 Di-n-octyl phthalate	149	16.024	16.026	-0.002	12260	0.1000	
97 Benzo[b]fluoranthene	252	16.726	16.728	-0.002	17793	0.1043	
98 Benzo[k]fluoranthene	252	16.770	16.771	-0.001	14820	0.1011	
99 Benzo[a]pyrene	252	17.289	17.291	-0.002	12459	0.0994	
100 Indeno[1,2,3-cd]pyrene	276	19.607	19.604	0.003	12549	0.1055	
101 Dibenz(a,h)anthracene	278	19.631	19.633	-0.002	9891	0.1056	
102 Benzo[g,h,i]perylene	276	20.275	20.277	-0.002	12551	0.1000	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Sep-2009 10:51:06 Chrom Revision: 1.1 20-Sep-2009 21:03:36

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

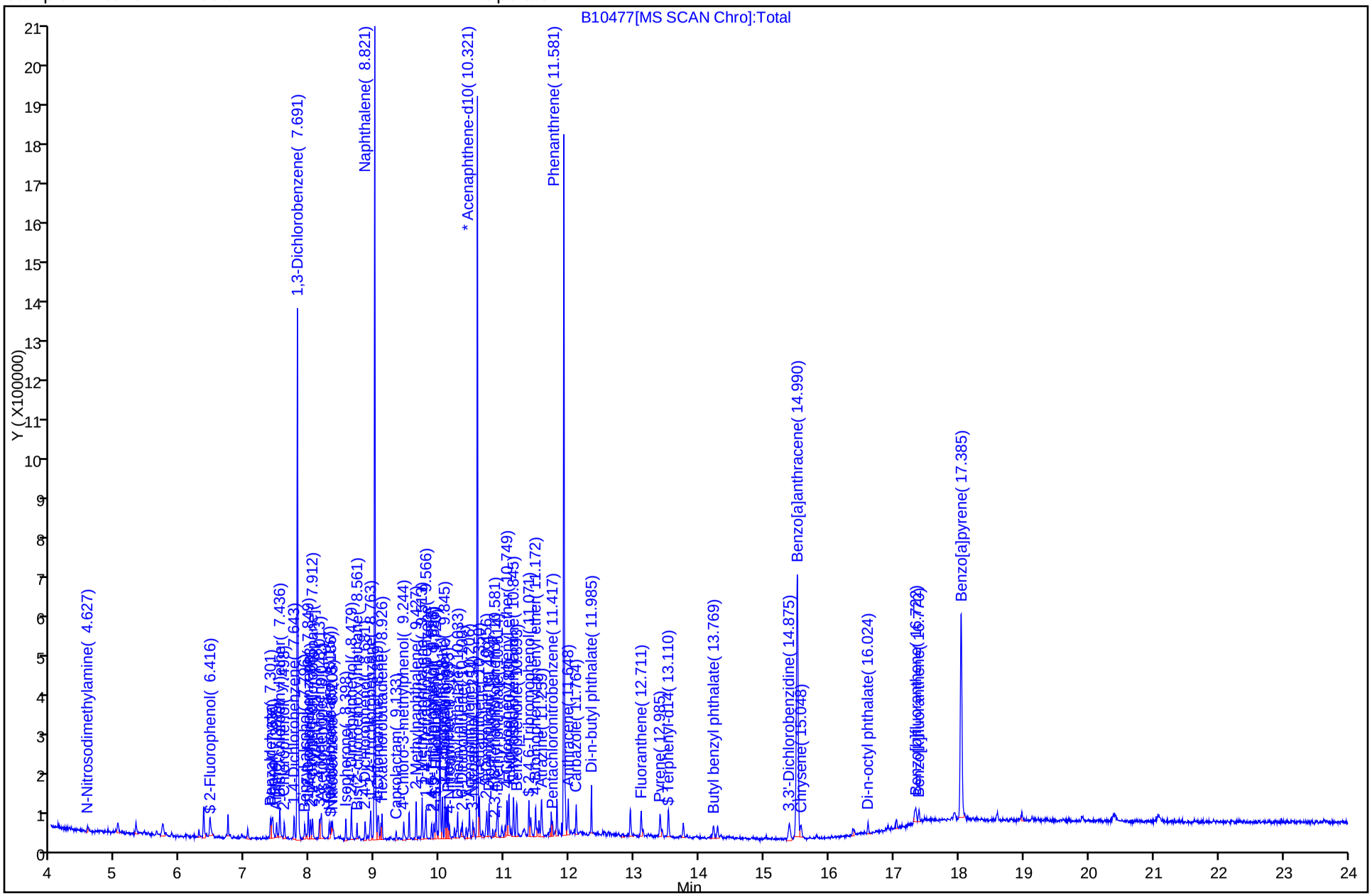
Inj Date: 22-Sep-2009 16:03:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: std01

Sample Amount: 1.00 ul Operator: MZ



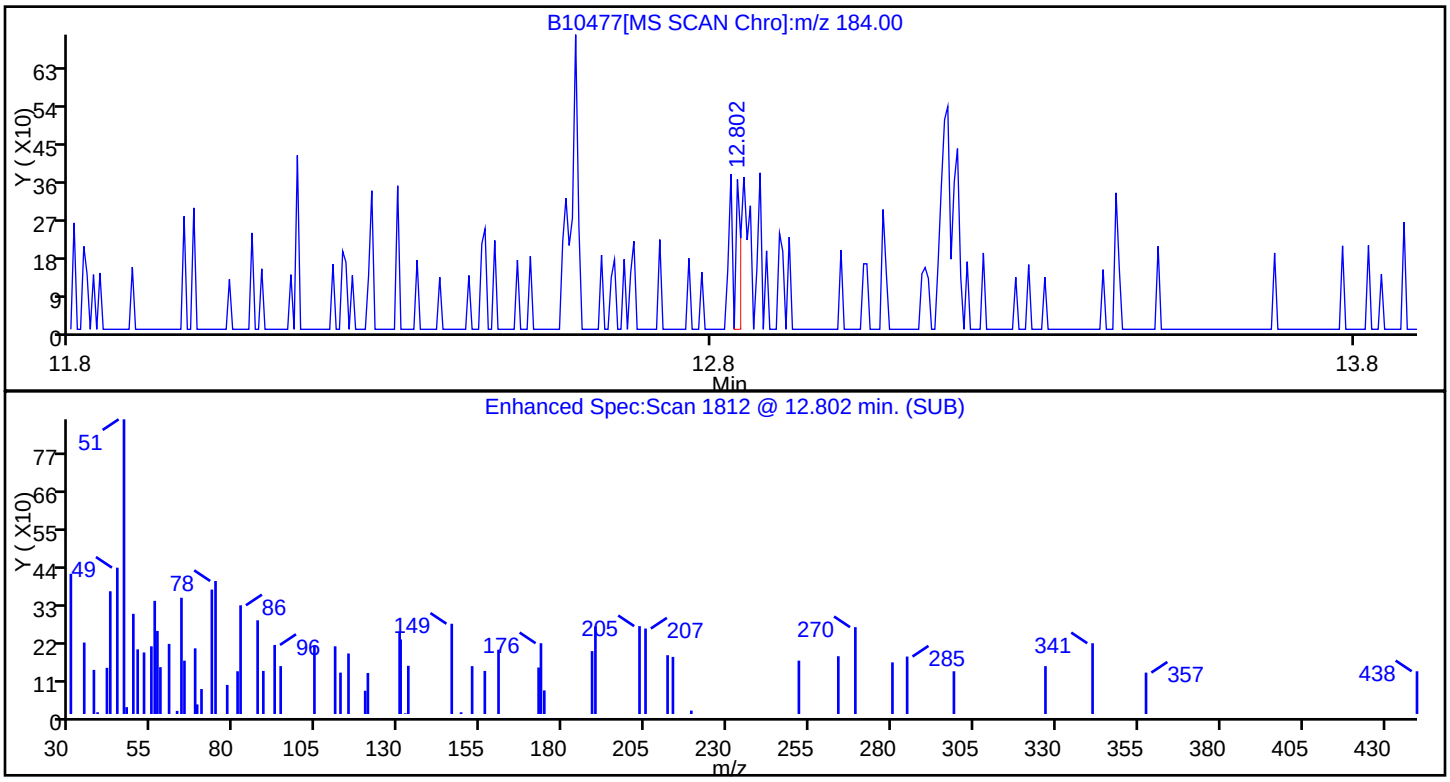
Chrom Revision: 1.1 20-Sep-2009 21:03:36

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
12.80	184.00	166	0.100000
12.80	92.00	89	

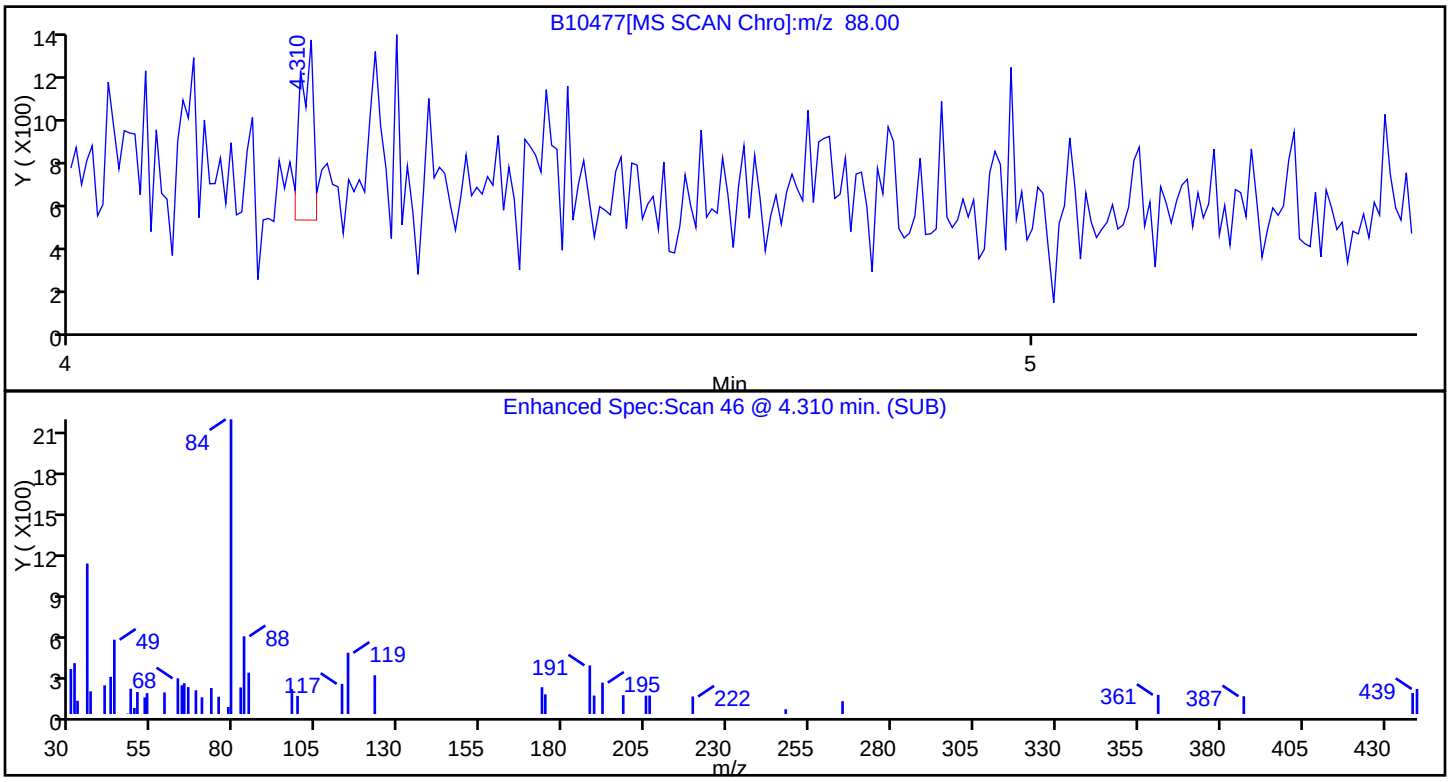
Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

14 1,4-Dioxane

Processing Results



RT	Mass	Response	Amount
4.31	88.00	680	0.100000
4.31	58.00	83	

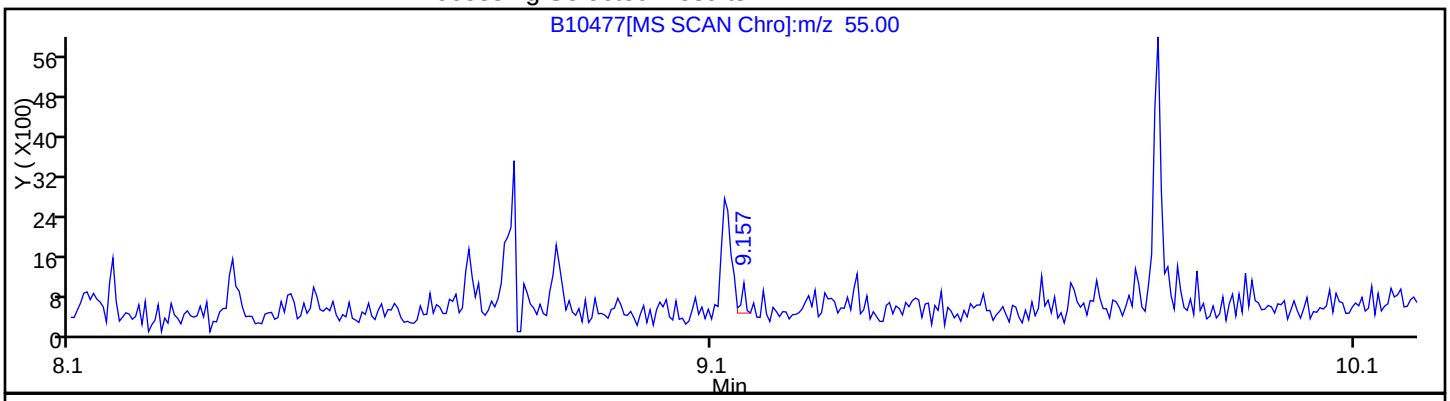
Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Marked Compound Undetected
Audit Reason:

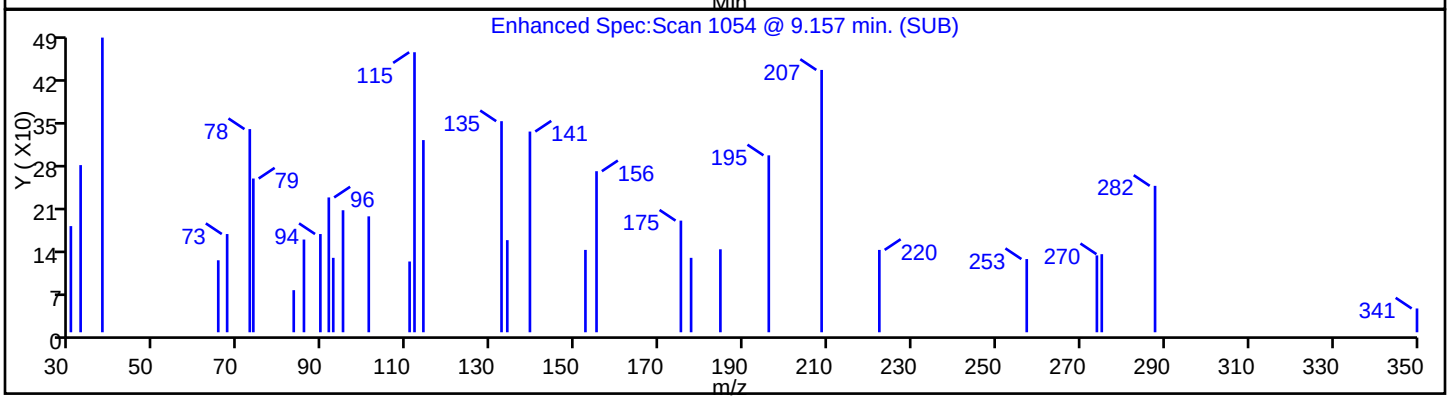
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

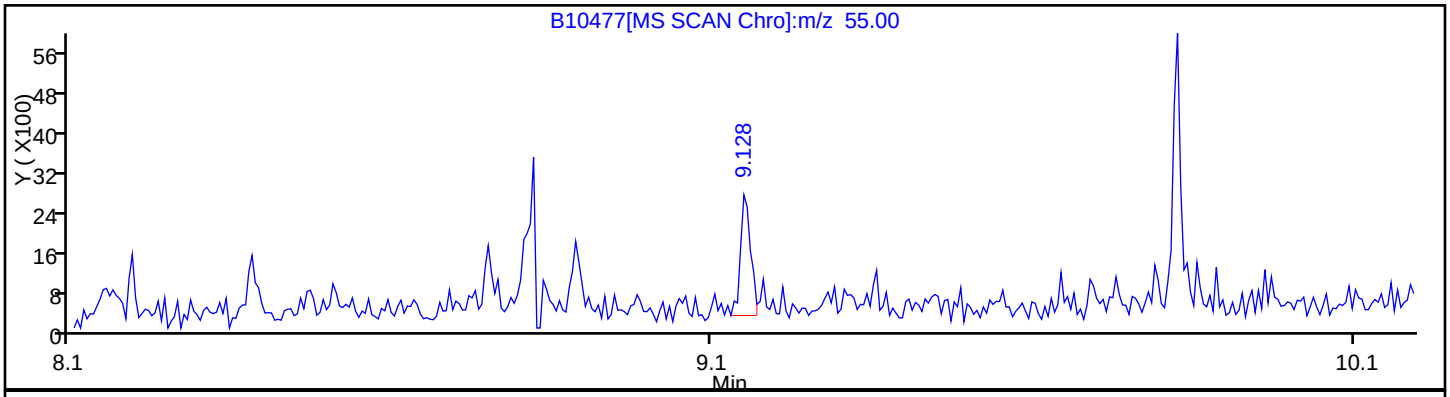
44 Caprolactam

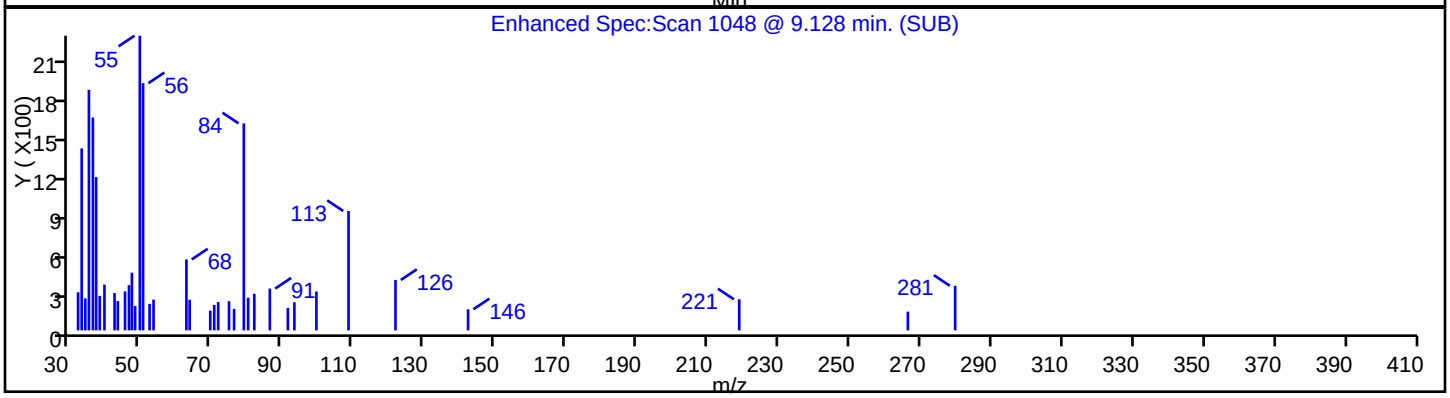
Processing Selected Results





Manual Selected Results





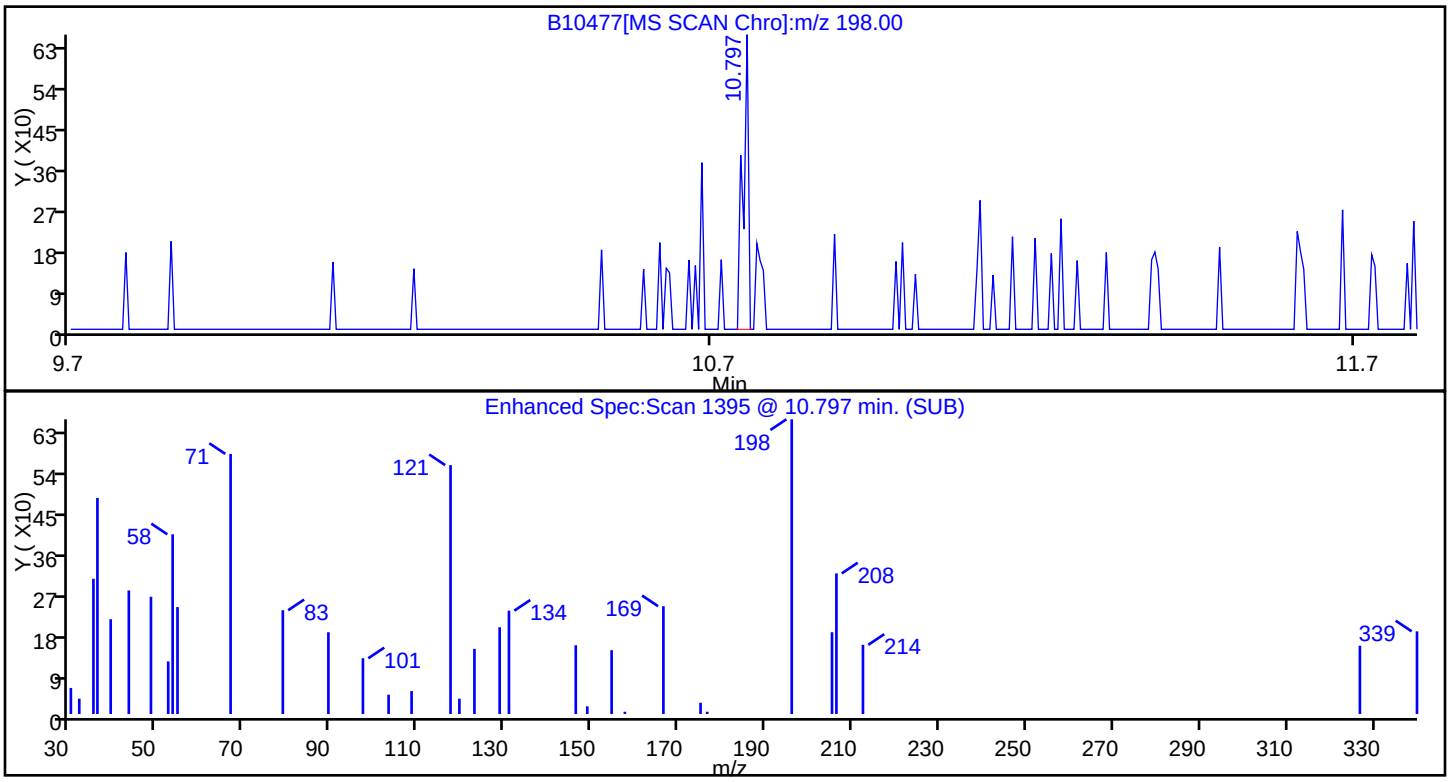
Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Selected Alternate Hit
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
10.80	198.00	366	0.100000
10.80	121.00	211	
10.78	105.00	320	

Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Marked Compound Undetected
Audit Reason:

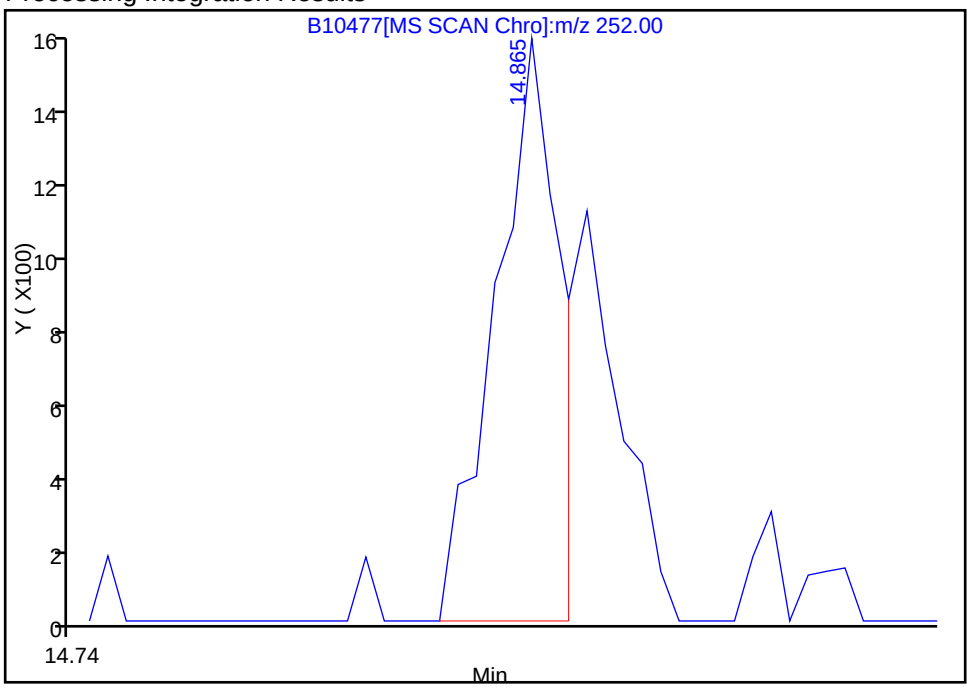
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

91 3,3'-Dichlorobenzidine, Number: 1, m/z: 252 Type: quant, RT: 14.87

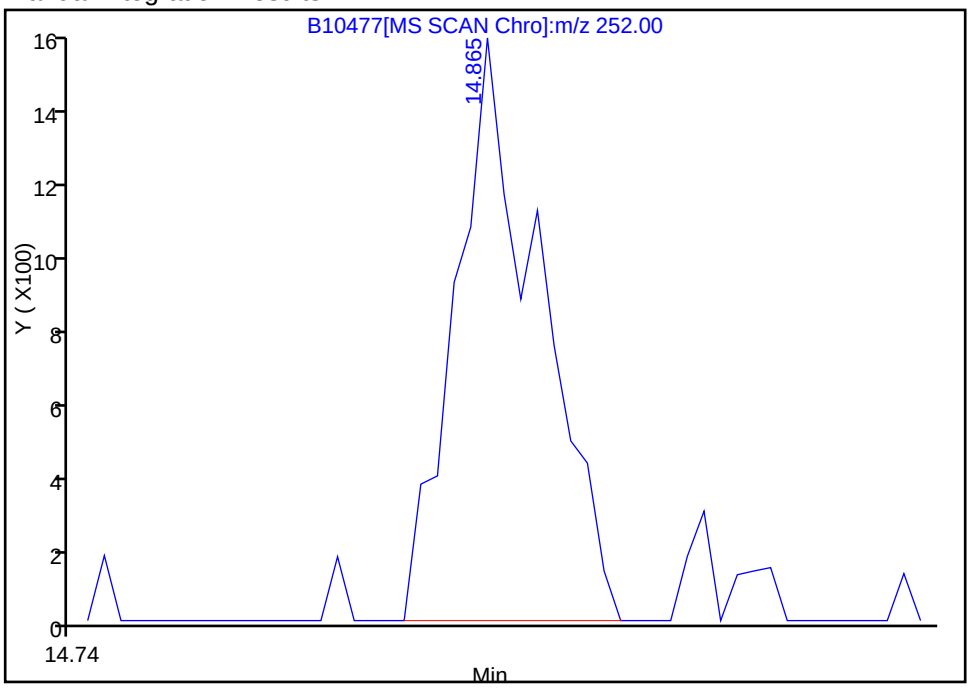
Processing Integration Results

RT: 14.87
Response: 1799
Amount: 0.100000



Manual Integration Results

RT: 14.87
Response: 2622
Amount: 0.100000



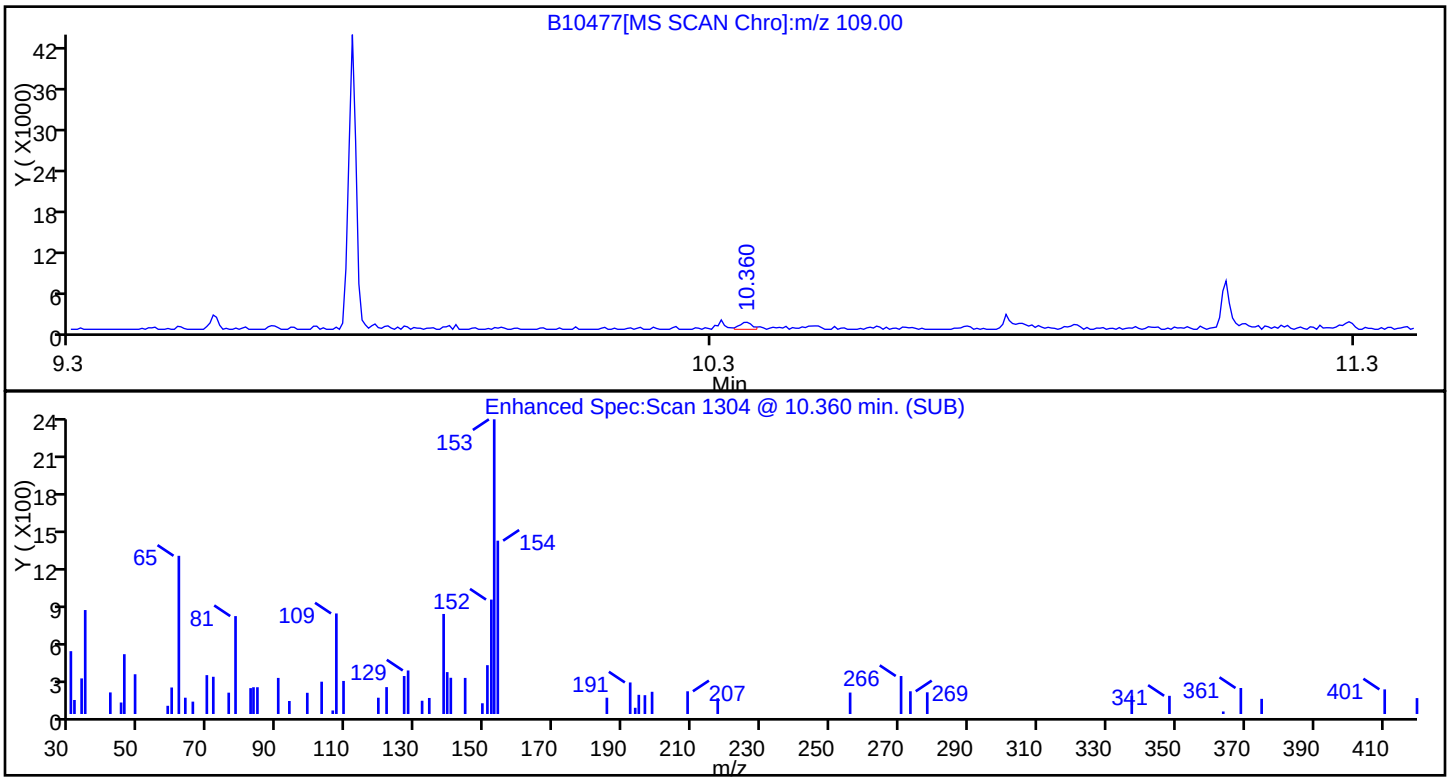
Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
10.36	109.00	1387	0.100000
10.36	139.00	1158	
10.35	64.00	894	

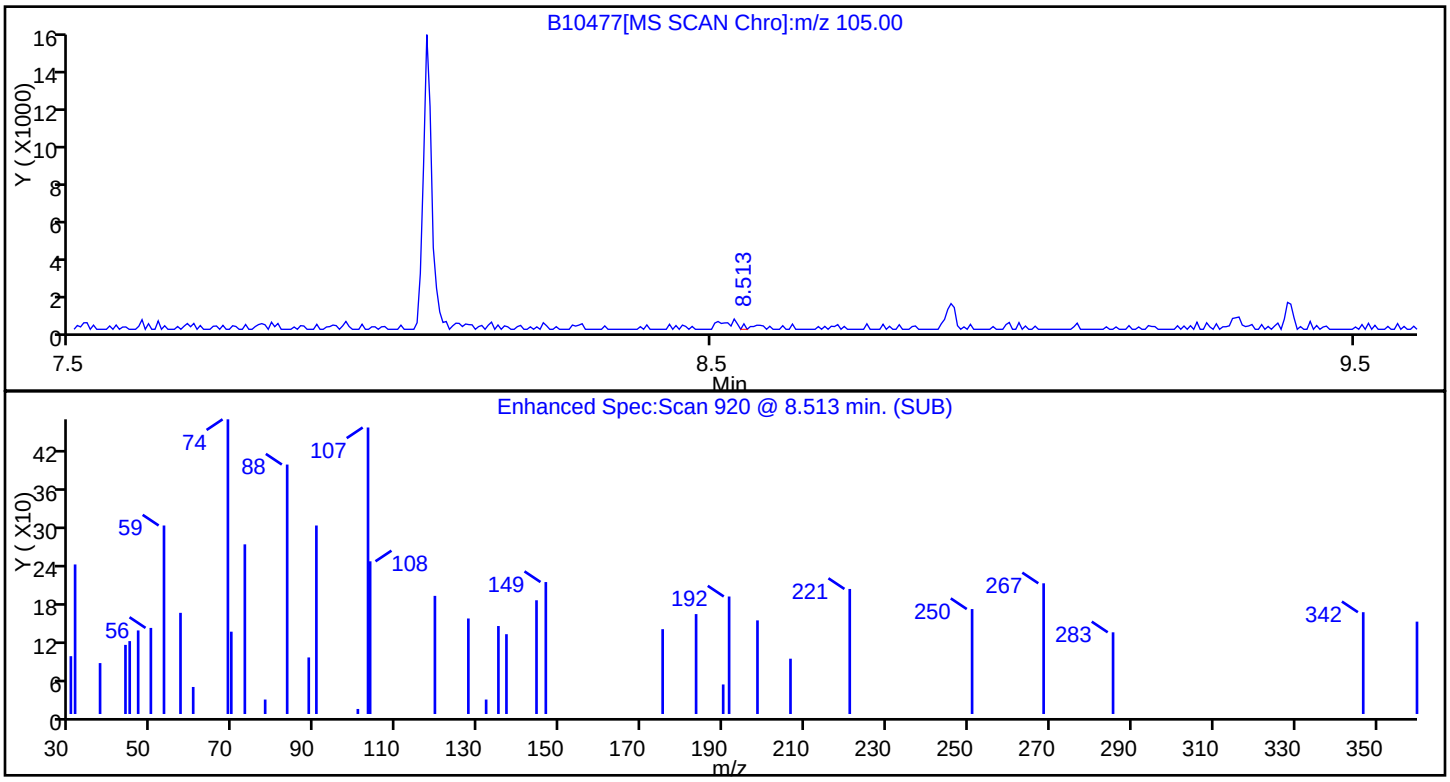
Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.51	105.00	85	0.100000
8.53	122.00	76	
8.52	77.00	137	

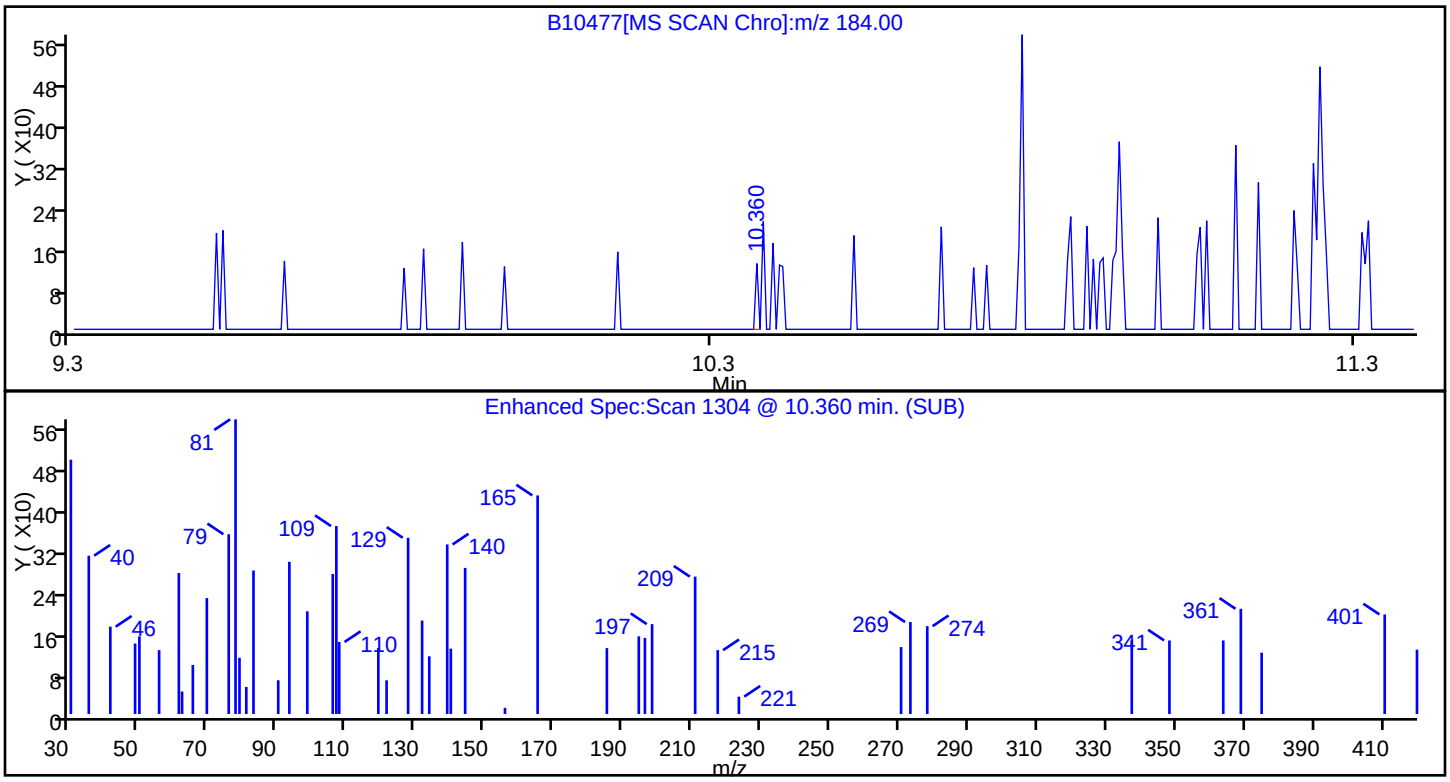
Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10477.D		
Inj Date:	22-Sep-2009 16:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.36	184.00	37	0.009150
10.35	63.00	2138	
10.35	154.00	18593	

Reviewer: sullivanp, 24-Sep-2009 10:51:05
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D		
Lims ID:	std025	Client ID:	
Inject. Date:	22-Sep-2009 16:34:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	std025		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49400	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:19:04	Calib Date:	22-Sep-2009 17:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10479.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:53:18
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:16:39
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:19:04

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	7.691	7.692	-0.001	288740	2.00	
* 2 Naphthalene-d8	136	8.821	8.823	-0.002	702371	2.00	
* 3 Acenaphthene-d10	164	10.321	10.323	-0.002	345720	2.00	
* 4 Phenanthrene-d10	188	11.581	11.583	-0.002	544941	2.00	
* 5 Chrysene-d12	240	14.991	14.997	-0.006	355481	2.00	
* 6 Perylene-d12	264	17.386	17.382	0.004	272729	2.00	
$ 7 2-Fluorophenol	112	6.407	6.409	-0.001	18807	0.2609	
$ 8 Phenol-d5	99	7.321	7.322	-0.001	25969	0.2667	
$ 9 Nitrobenzene-d5	82	8.186	8.188	-0.002	23798	0.2565	
$ 10 2-Fluorobiphenyl	172	9.716	9.717	-0.001	55569	0.2455	
$ 11 2,4,6-Tribromophenol	330	10.985	10.986	-0.001	2315	0.2161	
$ 12 Terphenyl-d14	244	13.111	13.112	-0.001	35526	0.2577	
15 N-Nitrosodimethylamine	42	4.613	4.615	-0.002	13603	0.2541	
16 Pyridine	79	4.748	4.634	0.114	20312	0.2984	M
17 Benzaldehyde	105	7.297	7.293	0.004	13115	0.2314	
18 Phenol	94	7.330	7.337	-0.007	26091	0.2535	
19 Aniline	93	7.388	7.390	-0.002	30227	0.2515	
20 Bis(2-chloroethyl)ether	93	7.431	7.433	-0.002	22468	0.2575	
21 2-Chlorophenol	128	7.499	7.500	-0.001	22223	0.2566	
22 1,4-Dichlorobenzene	146	7.643	7.644	-0.001	29238	0.2584	
23 1,3-Dichlorobenzene	146	7.705	7.707	-0.002	31854	0.2682	
24 Benzyl alcohol	79	7.797	7.798	-0.001	15819	0.2423	
25 1,2-Dichlorobenzene	146	7.850	7.851	-0.001	30908	0.2681	
26 2-Methylphenol	108	7.883	7.885	-0.002	19110	0.2405	
27 2,2'-oxybis[1-chloropropane]	45	7.912	7.914	-0.002	41916	0.2598	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.013	8.015	-0.002	19905	0.2454	
29 N-Nitrosodi-n-propylamine	70	8.028	8.029	-0.001	13762	0.2479	
30 Acetophenone	105	8.042	8.044	-0.002	32108	0.2666	
31 Hexachloroethane	117	8.153	8.154	-0.001	9966	0.2571	
32 Nitrobenzene	77	8.201	8.202	-0.001	24326	0.2675	
33 Isophorone	82	8.398	8.399	-0.001	35655	0.2464	
34 2-Nitrophenol	139	8.480	8.481	-0.001	8353	0.2226	
35 2,4-Dimethylphenol	107	8.480	8.481	-0.001	20488	0.2442	
36 Benzoic acid	105	8.504	8.515	-0.011	1106	0.2158	
37 Bis(2-chloroethoxy)methane	93	8.561	8.563	-0.002	24525	0.2588	
38 2,4-Dichlorophenol	162	8.682	8.683	-0.001	16050	0.2361	
39 1,2,4-Trichlorobenzene	180	8.763	8.765	-0.002	23427	0.2668	
40 Alpha-Terpineol	59	8.812	8.813	-0.001	19490	0.2529	
41 Naphthalene	128	8.840	8.842	-0.002	78518	0.2719	
42 4-Chloroaniline	127	8.864	8.866	-0.002	26995	0.2637	
43 Hexachlorobutadiene	225	8.927	8.928	-0.001	11864	0.2612	
44 Caprolactam	55	9.134	9.150	-0.016	5845	0.2660	
45 4-Chloro-3-methylphenol	107	9.244	9.246	-0.002	16350	0.2422	
46 2-Methylnaphthalene	142	9.427	9.428	-0.001	49011	0.2663	
47 1-Methylnaphthalene	142	9.514	9.515	-0.001	48515	0.2647	
48 Hexachlorocyclopentadiene	237	9.557	9.553	0.004	5078	0.2132	
49 1,2,4,5-Tetrachlorobenzene	216	9.566	9.568	-0.002	19343	0.2594	
50 2,4,6-Trichlorophenol	196	9.653	9.654	-0.001	9324	0.2234	
51 2,4,5-Trichlorophenol	196	9.682	9.688	-0.006	10121	0.2169	
52 1,1'-Biphenyl	154	9.812	9.813	-0.001	57649	0.2454	
53 2-Chloronaphthalene	162	9.845	9.847	-0.002	55191	0.2463	
54 Phenyl ether	170	9.893	9.895	-0.002	30149	0.2621	
68 4-Nitroaniline	138	9.913	9.914	-0.001	10714	0.2242	
56 Dimethyl phthalate	163	10.033	10.034	-0.001	49193	0.2440	
57 2,6-Dinitrotoluene	165	10.100	10.102	-0.002	9400	0.2418	
58 Acenaphthylene	152	10.206	10.207	-0.001	64208	0.2379	
59 3-Nitroaniline	138	10.254	10.256	-0.002	8351	0.2197	
61 Acenaphthene	153	10.350	10.352	-0.002	47497	0.2433	
63 2,4-Dinitrotoluene	165	10.447	10.448	-0.002	9247	0.2176	
64 Dibenzofuran	168	10.490	10.491	-0.001	65725	0.2539	
65 2,3,4,6-Tetrachlorophenol	232	10.581	10.583	-0.002	4570	0.2065	
66 Diethyl phthalate	149	10.615	10.621	-0.006	51481	0.2391	
67 4-Chlorophenyl phenyl ether	204	10.754	10.756	-0.002	23191	0.2495	
55 2-Nitroaniline	65	10.769	10.775	-0.006	8770	0.2214	
69 Fluorene	166	10.783	10.785	-0.002	52954	0.2501	
71 Diphenylamine	169	10.846	10.847	-0.001	43433	0.2613	
72 N-Nitrosodiphenylamine	169	10.846	10.847	-0.001	43433	0.2613	
73 1,2-Diphenylhydrazine	77	10.889	10.890	-0.001	67267	0.2350	
74 Azobenzene	77	10.889	10.890	-0.001	67267	0.2350	
13 Benzophenone	105	10.899	10.900	-0.001	42316	0.2482	
75 4-Bromophenyl phenyl ether	248	11.173	11.174	-0.001	11787	0.2531	
76 Hexachlorobenzene	284	11.254	11.256	-0.002	11452	0.2482	
77 Atrazine	200	11.259	11.265	-0.006	10496	0.2347	
79 Pentachloronitrobenzene	237	11.418	11.419	-0.001	4060	0.2470	
80 Phenanthrene	178	11.605	11.607	-0.002	72608	0.2551	
81 Anthracene	178	11.649	11.650	-0.001	59918	0.2419	
83 Carbazole	167	11.764	11.766	-0.002	54923	0.2524	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.985	11.987	-0.002	82770	0.2358	
87 Fluoranthene	202	12.711	12.713	-0.002	56127	0.2370	
86 Benzidine	184	12.812	12.814	-0.002	1454	0.2424	
85 Pyrene	202	12.990	12.992	-0.002	60268	0.2606	
89 Butyl benzyl phthalate	149	13.769	13.771	-0.002	19560	0.2212	
91 3,3'-Dichlorobenzidine	252	14.871	14.872	-0.001	7036	0.2387	M
92 Bis(2-ethylhexyl) phthalate	149	14.885	14.882	0.003	24908	0.2140	
93 Benzo[a]anthracene	228	14.972	14.973	-0.001	35225	0.2399	
94 Chrysene	228	15.044	15.050	-0.006	38825	0.2572	
95 Di-n-octyl phthalate	149	16.030	16.026	0.004	29199	0.2140	
97 Benzo[b]fluoranthene	252	16.722	16.728	-0.006	32810	0.2267	
98 Benzo[k]fluoranthene	252	16.765	16.771	-0.006	30672	0.2387	
99 Benzo[a]pyrene	252	17.285	17.291	-0.006	22896	0.2209	
100 Indeno[1,2,3-cd]pyrene	276	19.598	19.604	-0.006	20460	0.2203	
101 Dibenz(a,h)anthracene	278	19.627	19.633	-0.007	15596	0.2141	
102 Benzo[g,h,i]perylene	276	20.266	20.277	-0.011	21944	0.2392	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Sep-2009 11:19:05 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D

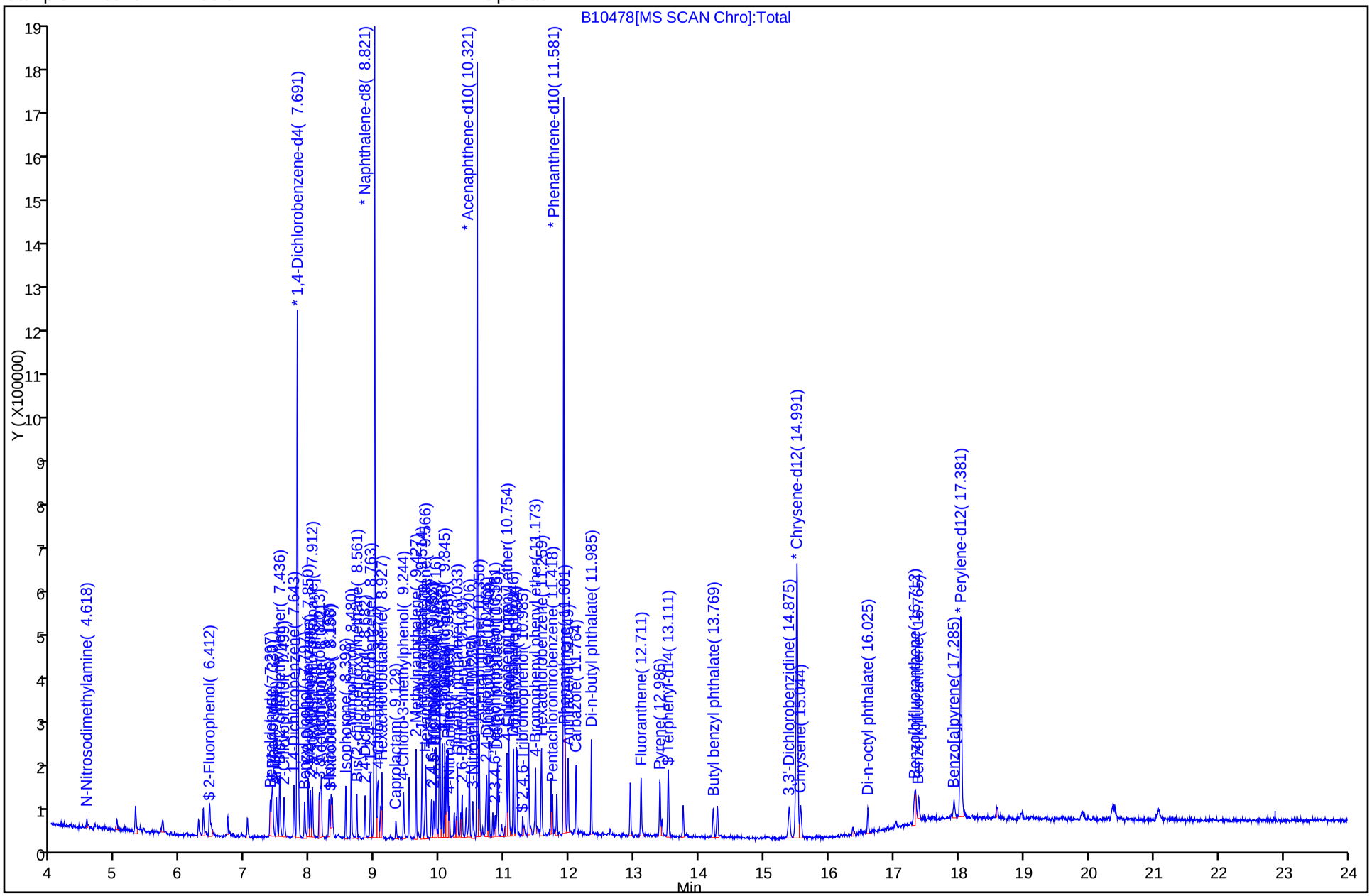
Inj Date: 22-Sep-2009 16:34:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: std025

Sample Amount: 1.00 ul Operator: MZ

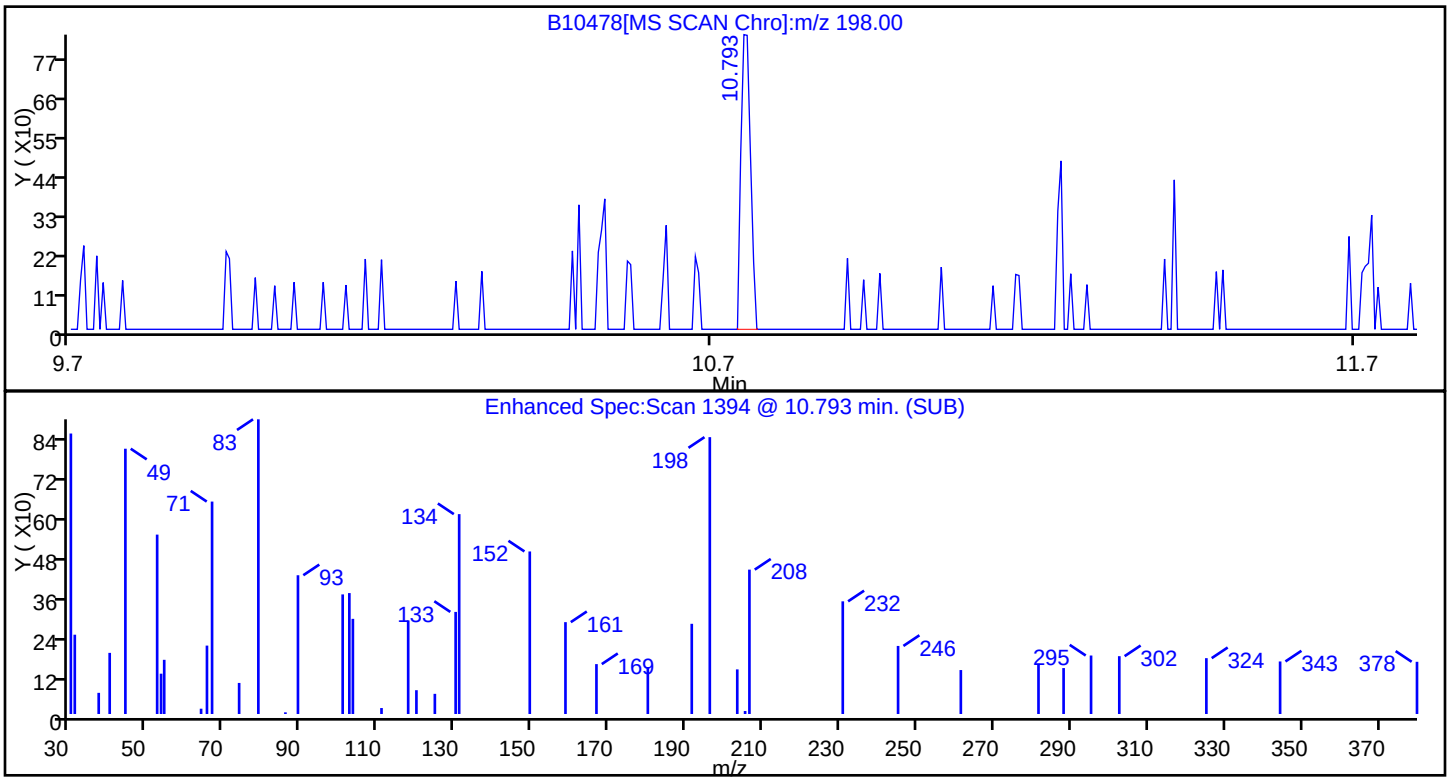


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D		
Inj Date:	22-Sep-2009 16:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
10.79	198.00	827	0.165203
10.79	121.00	329	
10.80	105.00	896	

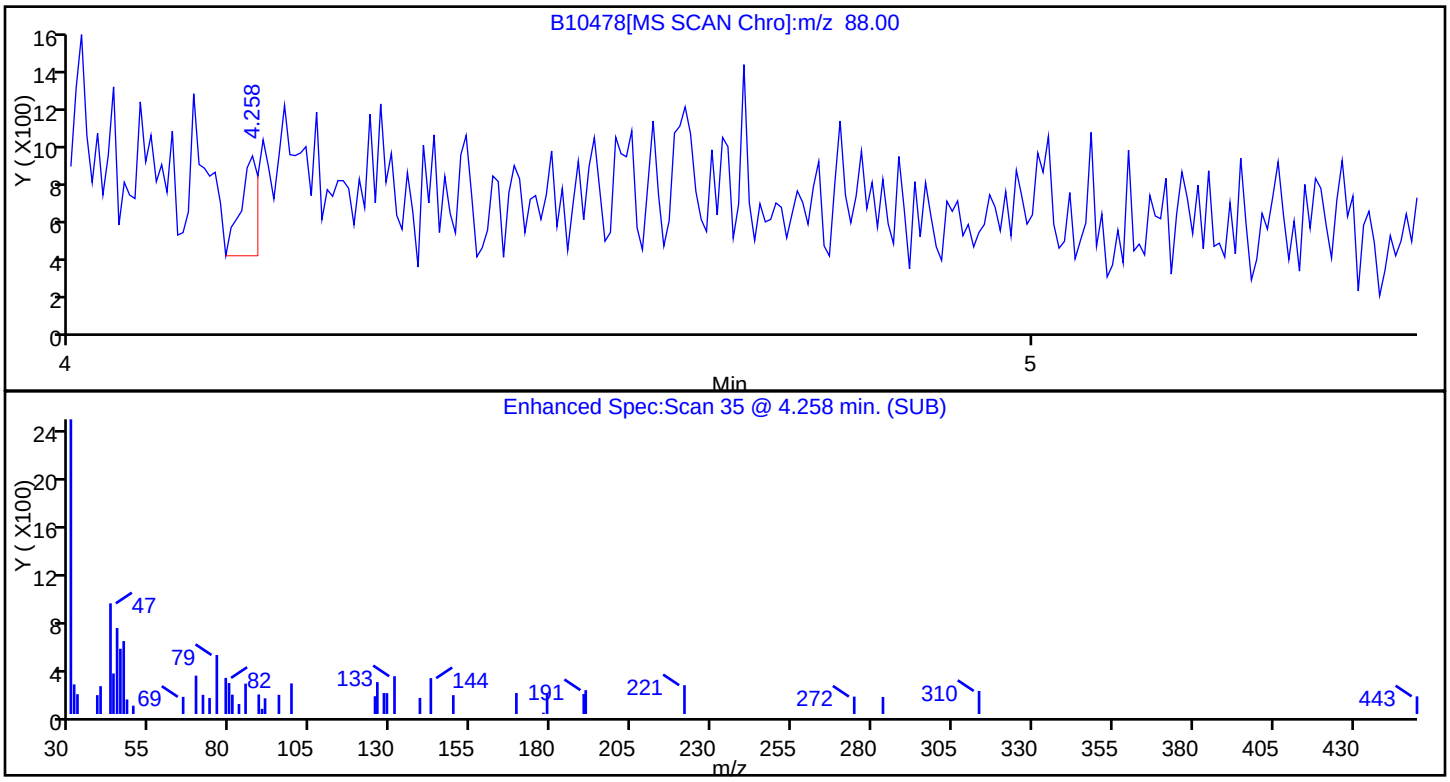
Reviewer: sullivanp, 24-Sep-2009 10:53:18
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D		
Inj Date:	22-Sep-2009 16:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

14 1,4-Dioxane

Processing Results



RT	Mass	Response	Amount
4.26	88.00	588	0.419464
4.24	58.00	89	

Reviewer: sullivanp, 24-Sep-2009 10:53:18
Audit Action: Marked Compound Undetected
Audit Reason:

Chrom Revision: 1.1 20-Sep-2009 21:03:36

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D		
Inj Date:	22-Sep-2009 16:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

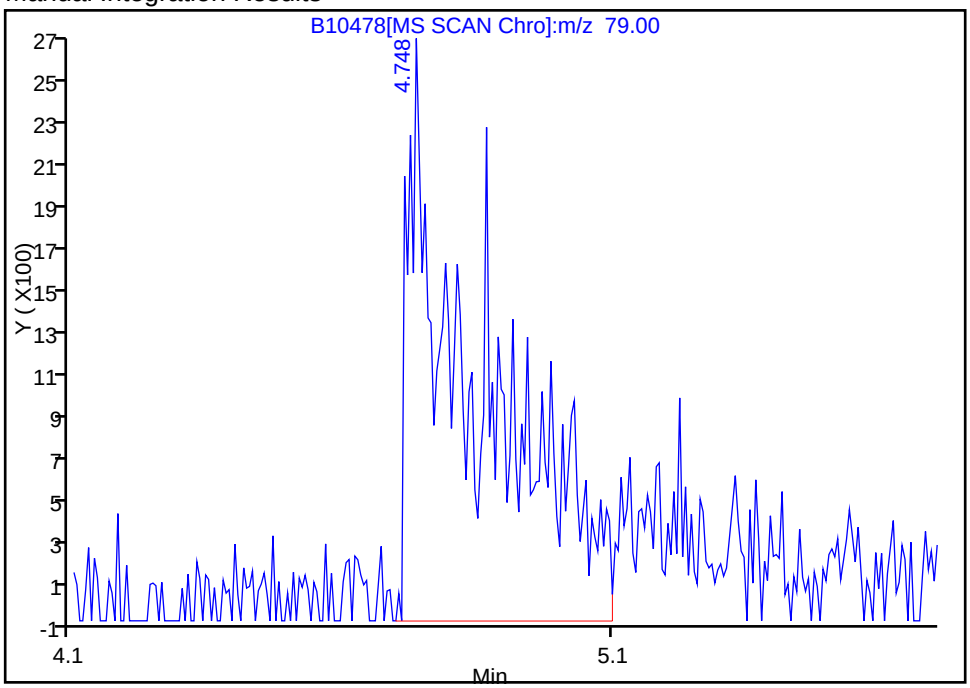
16 Pyridine, Number: 1, m/z: 79 Type: quant, RT: 4.63

Processing Integration Results

Not Detected
Expected RT: 4.63

Manual Integration Results

RT: 4.75
Response: 20312
Amount: 0.298442



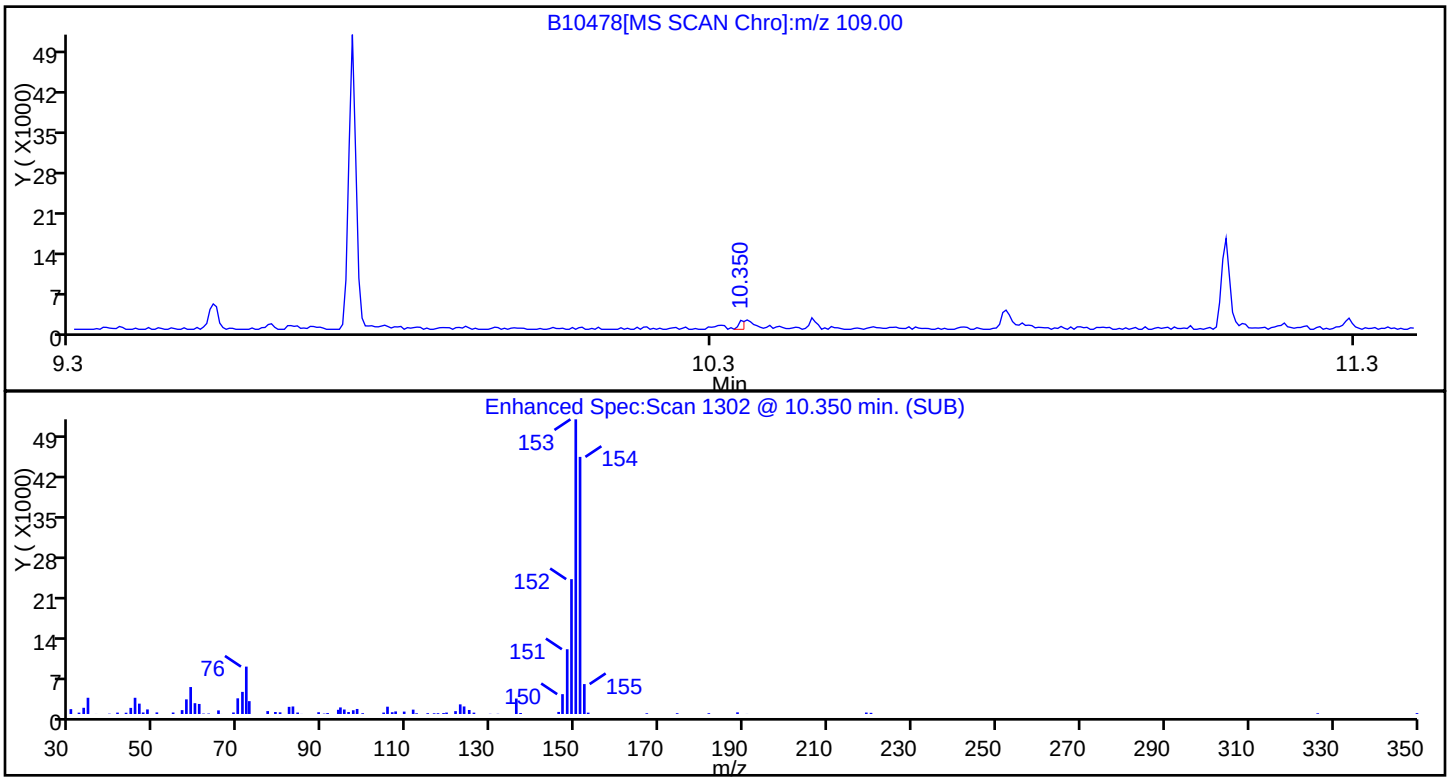
Reviewer: sullivanp, 24-Sep-2009 10:53:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D		
Inj Date:	22-Sep-2009 16:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
10.35	109.00	962	0.167217
10.36	139.00	3818	
10.35	64.00	2676	

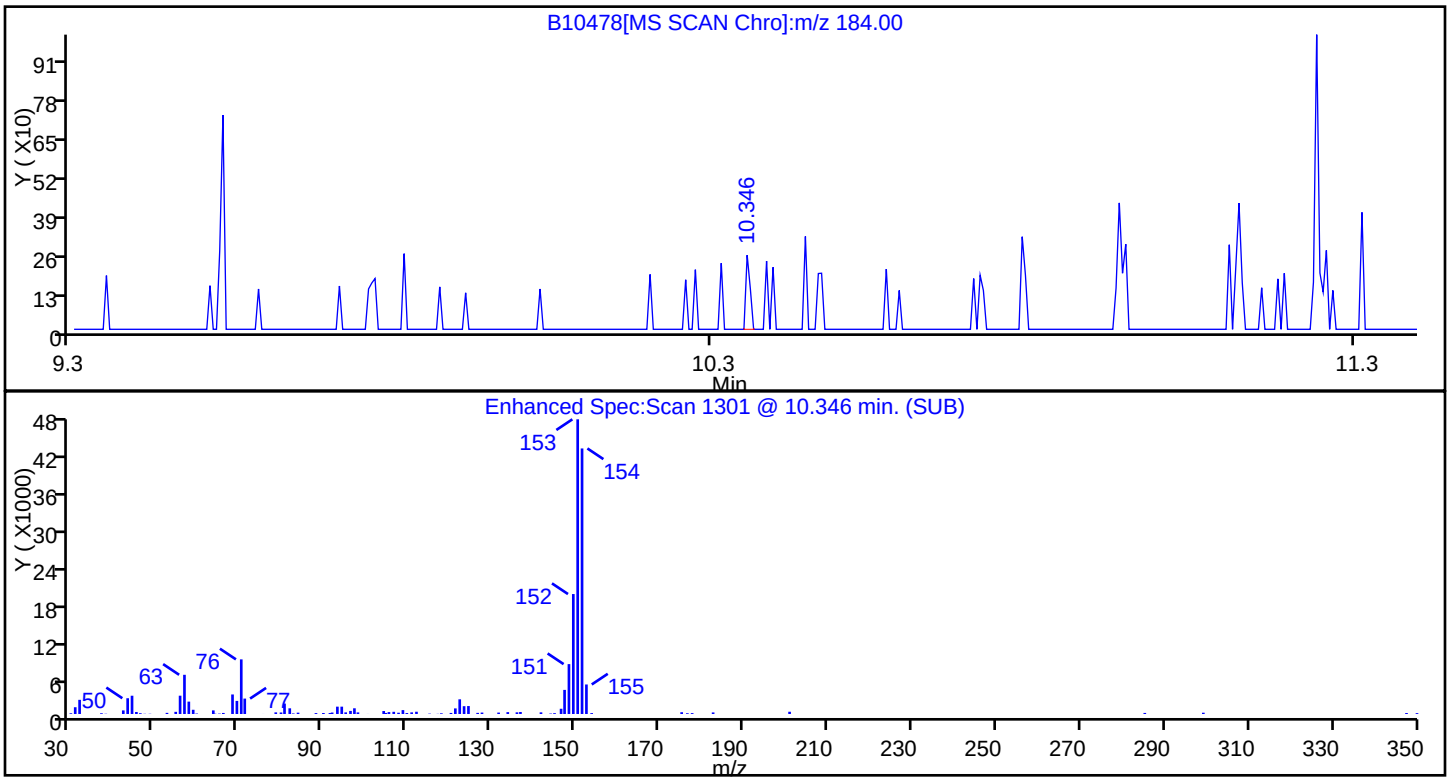
Reviewer: sullivanp, 24-Sep-2009 10:53:18
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D		
Inj Date:	22-Sep-2009 16:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.35	184.00	111	0.041058
10.35	63.00	7042	
10.35	154.00	44411	

Reviewer: sullivanp, 24-Sep-2009 10:53:18
Audit Action: Marked Compound Undetected
Audit Reason:

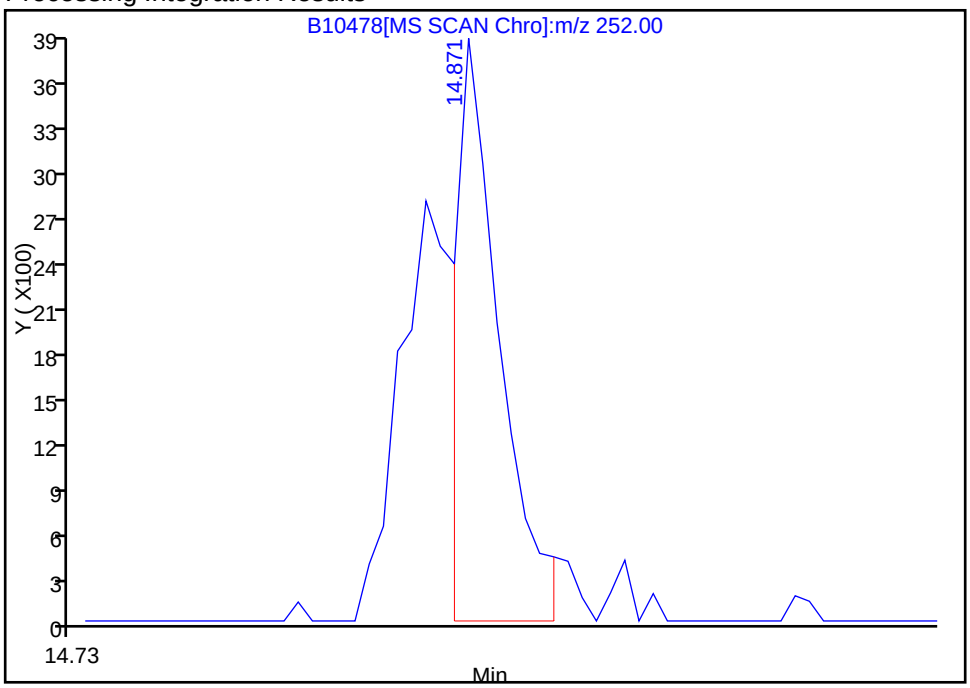
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10478.D		
Inj Date:	22-Sep-2009 16:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

91 3,3'-Dichlorobenzidine, Number: 1, m/z: 252 Type: quant, RT: 14.87

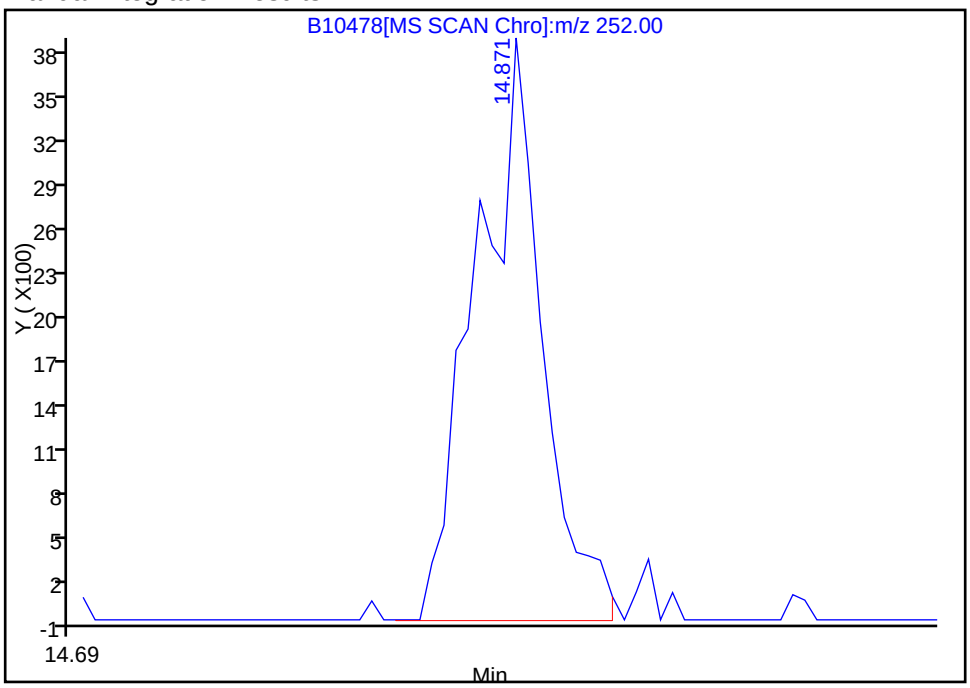
Processing Integration Results

RT: 14.87
Response: 4002
Amount: 0.179914



Manual Integration Results

RT: 14.87
Response: 7036
Amount: 0.238727



Reviewer: sullivanp, 24-Sep-2009 10:53:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10479.D		
Lims ID:	std05	Client ID:	
Inject. Date:	22-Sep-2009 17:05:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	std05		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49400	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:18:00	Calib Date:	22-Sep-2009 17:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10479.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:54:35
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:18:00

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	7.691	7.692	-0.001	348138	2.00	
* 2 Naphthalene-d8	136	8.821	8.823	-0.002	846572	2.00	
* 3 Acenaphthene-d10	164	10.321	10.323	-0.002	398924	2.00	
* 4 Phenanthrene-d10	188	11.581	11.583	-0.002	656682	2.00	
* 5 Chrysene-d12	240	14.991	14.997	-0.006	458528	2.00	
* 6 Perylene-d12	264	17.385	17.382	0.003	348020	2.00	
$ 7 2-Fluorophenol	112	6.412	6.409	0.004	42947	0.5015	
$ 8 Phenol-d5	99	7.321	7.322	-0.001	57327	0.4994	
$ 9 Nitrobenzene-d5	82	8.186	8.188	-0.002	58538	0.5280	
$ 10 2-Fluorobiphenyl	172	9.715	9.717	-0.002	127810	0.4865	
$ 11 2,4,6-Tribromophenol	330	10.985	10.986	-0.001	6696	0.4056	
$ 12 Terphenyl-d14	244	13.110	13.112	-0.002	88114	0.5007	
15 N-Nitrosodimethylamine	42	4.623	4.615	0.008	34323	0.5347	
16 Pyridine	79	4.676	4.634	0.042	32026	0.4538	
17 Benzaldehyde	105	7.297	7.293	0.004	33359	0.5106	
18 Phenol	94	7.330	7.337	-0.007	61563	0.4983	
19 Aniline	93	7.388	7.390	-0.002	73957	0.5113	
20 Bis(2-chloroethyl)ether	93	7.431	7.433	-0.002	53118	0.5101	
21 2-Chlorophenol	128	7.499	7.500	-0.001	54424	0.5257	
22 1,4-Dichlorobenzene	146	7.643	7.644	-0.001	69256	0.5133	
23 1,3-Dichlorobenzene	146	7.705	7.707	-0.002	70644	0.5055	
24 Benzyl alcohol	79	7.797	7.798	-0.001	39896	0.5016	
25 1,2-Dichlorobenzene	146	7.850	7.851	-0.001	68639	0.5420	
26 2-Methylphenol	108	7.883	7.885	-0.002	49539	0.5106	
27 2,2'-oxybis[1-chloropropane]	45	7.912	7.914	-0.002	95596	0.5342	
28 3 & 4 Methylphenol	108	8.013	8.015	-0.002	51689	0.5254	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.028	8.029	-0.001	35270	0.5255	
30 Acetophenone	105	8.042	8.044	-0.002	72530	0.5108	
31 Hexachloroethane	117	8.157	8.154	0.003	23584	0.5095	
32 Nitrobenzene	77	8.201	8.202	-0.001	56910	0.5315	
33 Isophorone	82	8.398	8.399	-0.001	88633	0.5057	
34 2-Nitrophenol	139	8.480	8.481	-0.001	23331	0.4977	
35 2,4-Dimethylphenol	107	8.480	8.481	-0.001	51890	0.5091	
36 Benzoic acid	105	8.499	8.515	-0.016	3880	0.3712	
37 Bis(2-chloroethoxy)methane	93	8.561	8.563	-0.002	60265	0.5339	
38 2,4-Dichlorophenol	162	8.682	8.683	-0.001	41156	0.4933	
39 1,2,4-Trichlorobenzene	180	8.763	8.765	-0.002	53695	0.5188	
40 Alpha-Terpineol	59	8.811	8.813	-0.002	47295	0.5110	
41 Naphthalene	128	8.840	8.842	-0.002	174942	0.5742	
42 4-Chloroaniline	127	8.864	8.866	-0.002	61439	0.5071	
43 Hexachlorobutadiene	225	8.927	8.928	-0.001	26440	0.5306	
44 Caprolactam	55	9.134	9.150	-0.016	15582	0.4887	
45 4-Chloro-3-methylphenol	107	9.244	9.246	-0.002	41102	0.5001	
46 2-Methylnaphthalene	142	9.427	9.428	-0.001	113811	0.5244	
47 1-Methylnaphthalene	142	9.513	9.515	-0.002	114813	0.5302	
48 Hexachlorocyclopentadiene	237	9.552	9.553	-0.001	13766	0.4155	
49 1,2,4,5-Tetrachlorobenzene	216	9.566	9.568	-0.002	44423	0.5346	
50 2,4,6-Trichlorophenol	196	9.653	9.654	-0.001	26605	0.4925	
51 2,4,5-Trichlorophenol	196	9.687	9.688	-0.001	27601	0.4908	
52 1,1'-Biphenyl	154	9.812	9.813	-0.001	137870	0.5054	
53 2-Chloronaphthalene	162	9.845	9.847	-0.002	128517	0.4946	
54 Phenyl ether	170	9.893	9.895	-0.002	73558	0.5393	
68 4-Nitroaniline	138	9.913	9.914	-0.001	27576	0.4331	
56 Dimethyl phthalate	163	10.033	10.034	-0.001	119148	0.5080	
57 2,6-Dinitrotoluene	165	10.100	10.102	-0.002	24891	0.4963	
58 Acenaphthylene	152	10.206	10.207	-0.001	159272	0.5034	
59 3-Nitroaniline	138	10.254	10.256	-0.002	22350	0.4899	
61 Acenaphthene	153	10.350	10.352	-0.002	112102	0.4933	
62 4-Nitrophenol	109	10.355	10.357	-0.002	8273	0.4041	
63 2,4-Dinitrotoluene	165	10.446	10.448	-0.002	27164	0.4670	
64 Dibenzofuran	168	10.490	10.491	-0.001	149360	0.5028	
65 2,3,4,6-Tetrachlorophenol	232	10.581	10.583	-0.002	15266	0.4241	
66 Diethyl phthalate	149	10.615	10.621	-0.006	122276	0.4850	
67 4-Chlorophenyl phenyl ether	204	10.754	10.756	-0.002	51851	0.4832	
55 2-Nitroaniline	65	10.769	10.775	-0.006	25834	0.4916	
69 Fluorene	166	10.783	10.785	-0.002	120286	0.4923	
70 4,6-Dinitro-2-methylphenol	198	10.793	10.794	-0.001	4382	0.4021	
71 Diphenylamine	169	10.845	10.847	-0.002	98780	0.5007	
72 N-Nitrosodiphenylamine	169	10.845	10.847	-0.002	98780	0.5007	
73 1,2-Diphenylhydrazine	77	10.889	10.890	-0.001	175627	0.4991	
74 Azobenzene	77	10.889	10.890	-0.001	175627	0.4991	
13 Benzophenone	105	10.898	10.900	-0.002	108788	0.5281	
75 4-Bromophenyl phenyl ether	248	11.172	11.174	-0.002	29339	0.5251	
76 Hexachlorobenzene	284	11.254	11.256	-0.002	27454	0.4927	
77 Atrazine	200	11.259	11.265	-0.006	26676	0.4851	
79 Pentachloronitrobenzene	237	11.418	11.419	-0.001	9177	0.4282	
80 Phenanthrene	178	11.605	11.607	-0.002	162463	0.4770	
81 Anthracene	178	11.649	11.650	-0.001	150076	0.4974	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.764	11.766	-0.002	133859	0.5121	
84 Di-n-butyl phthalate	149	11.985	11.987	-0.002	188840	0.4774	
87 Fluoranthene	202	12.711	12.713	-0.002	142357	0.4904	
86 Benzidine	184	12.812	12.814	-0.002	6554	0.3611	
85 Pyrene	202	12.990	12.992	-0.002	147262	0.5008	
89 Butyl benzyl phthalate	149	13.764	13.771	-0.007	58060	0.4902	
91 3,3'-Dichlorobenzidine	252	14.866	14.872	-0.006	19872	0.4210	
92 Bis(2-ethylhexyl) phthalate	149	14.880	14.882	-0.002	69366	0.3971	
93 Benzo[a]anthracene	228	14.971	14.973	-0.002	94868	0.4943	
94 Chrysene	228	15.048	15.050	-0.002	96085	0.4983	
95 Di-n-octyl phthalate	149	16.025	16.026	-0.001	88102	0.3752	
97 Benzo[b]fluoranthene	252	16.722	16.728	-0.006	91374	0.4798	
98 Benzo[k]fluoranthene	252	16.770	16.771	-0.001	82795	0.4974	
99 Benzo[a]pyrene	252	17.284	17.291	-0.007	63391	0.4613	
100 Indeno[1,2,3-cd]pyrene	276	19.593	19.604	-0.011	51017	0.4079	
101 Dibenz(a,h)anthracene	278	19.631	19.633	-0.002	41199	0.4181	
102 Benzo[g,h,i]perylene	276	20.266	20.277	-0.011	52289	0.4703	

Report Date: 24-Sep-2009 11:18:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10479.D

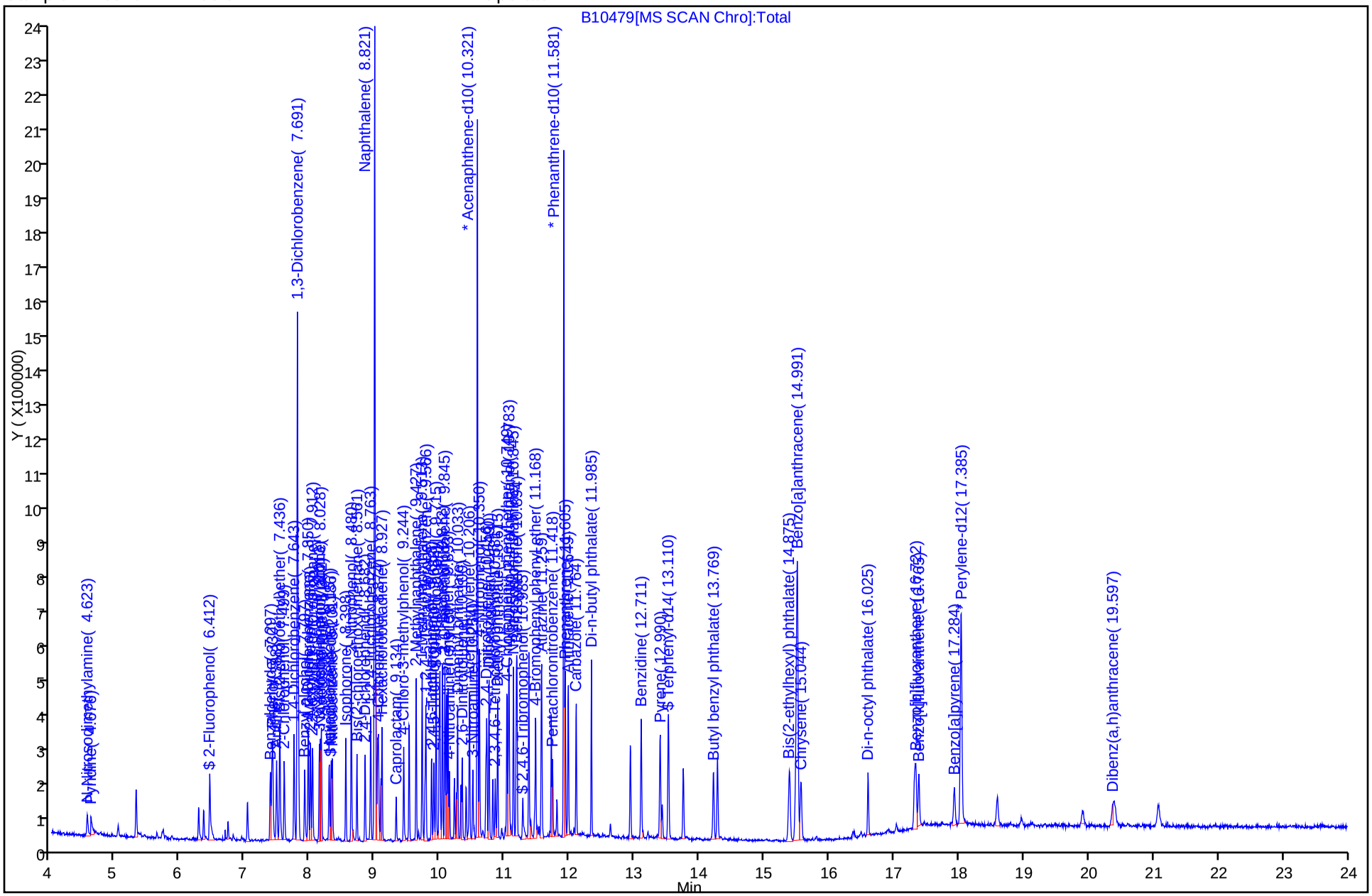
Inj Date: 22-Sep-2009 17:05:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: std05

Sample Amount: 1.00 ul Operator: MZ

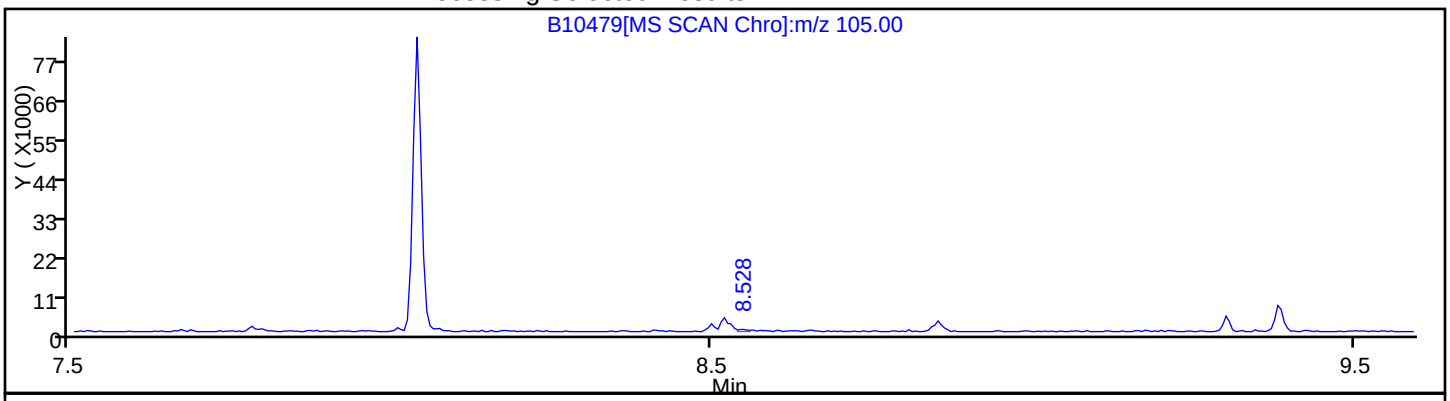


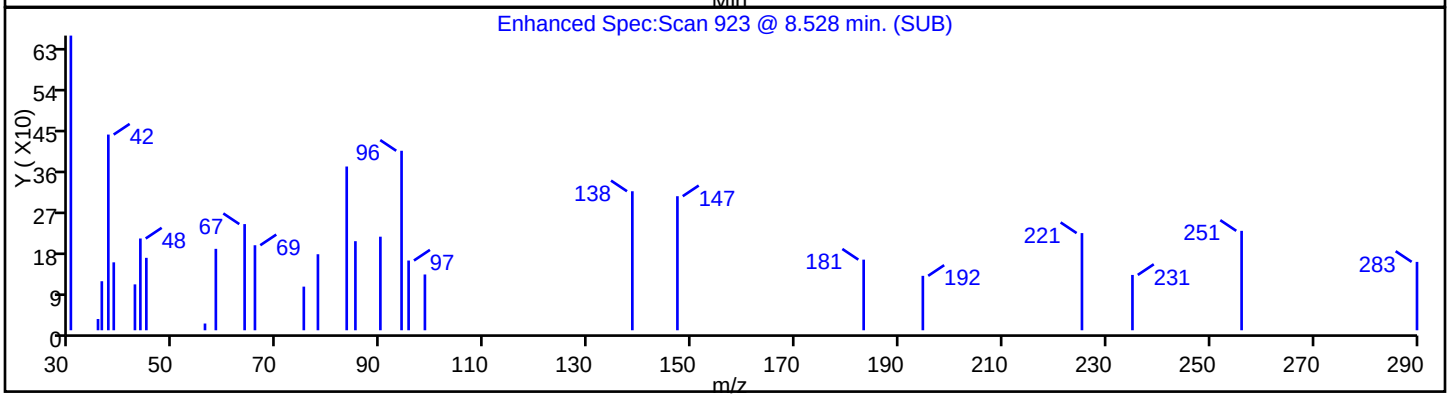
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10479.D		
Inj Date:	22-Sep-2009 17:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

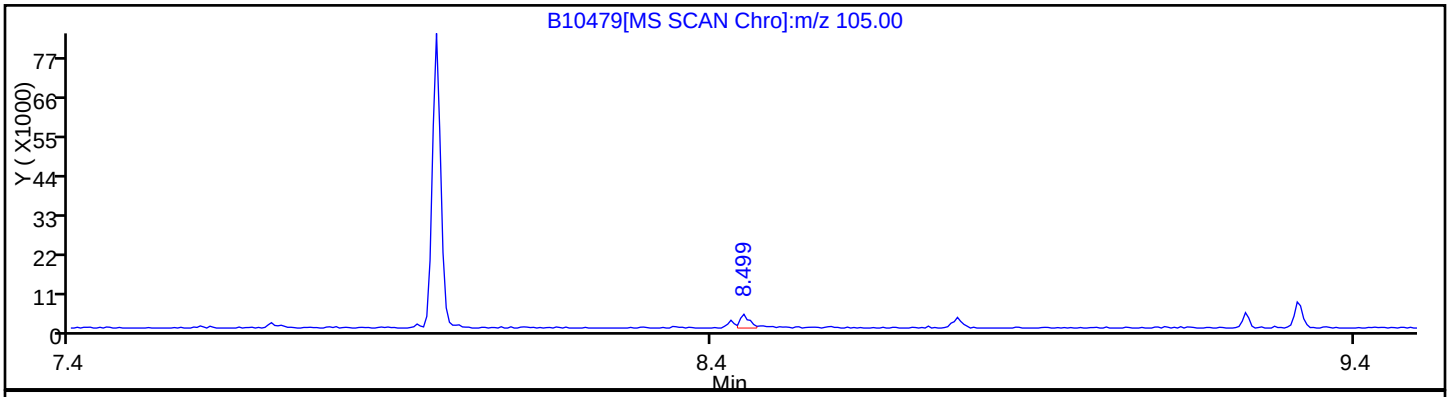
36 Benzoic acid

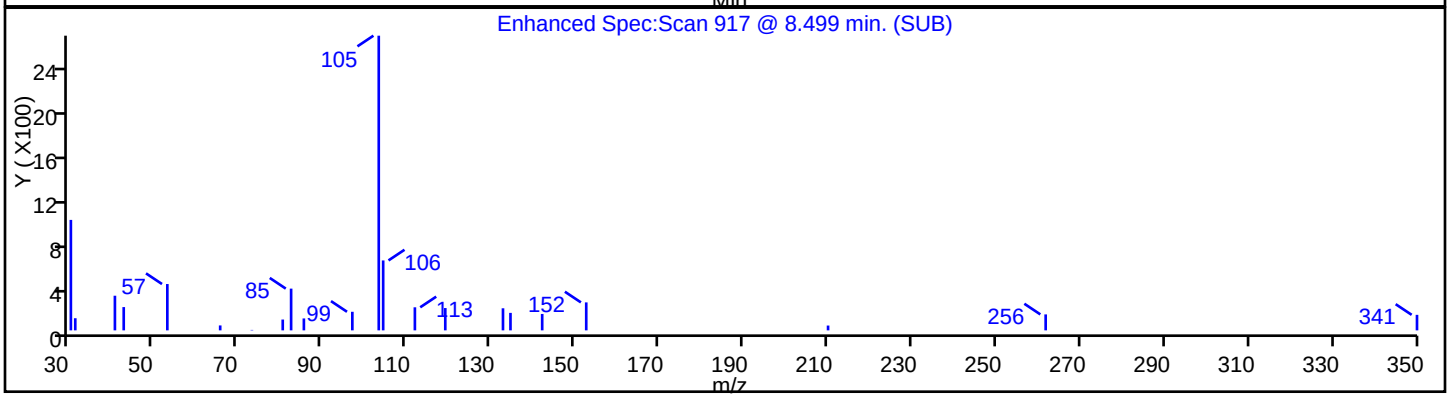
Processing Selected Results





Manual Selected Results





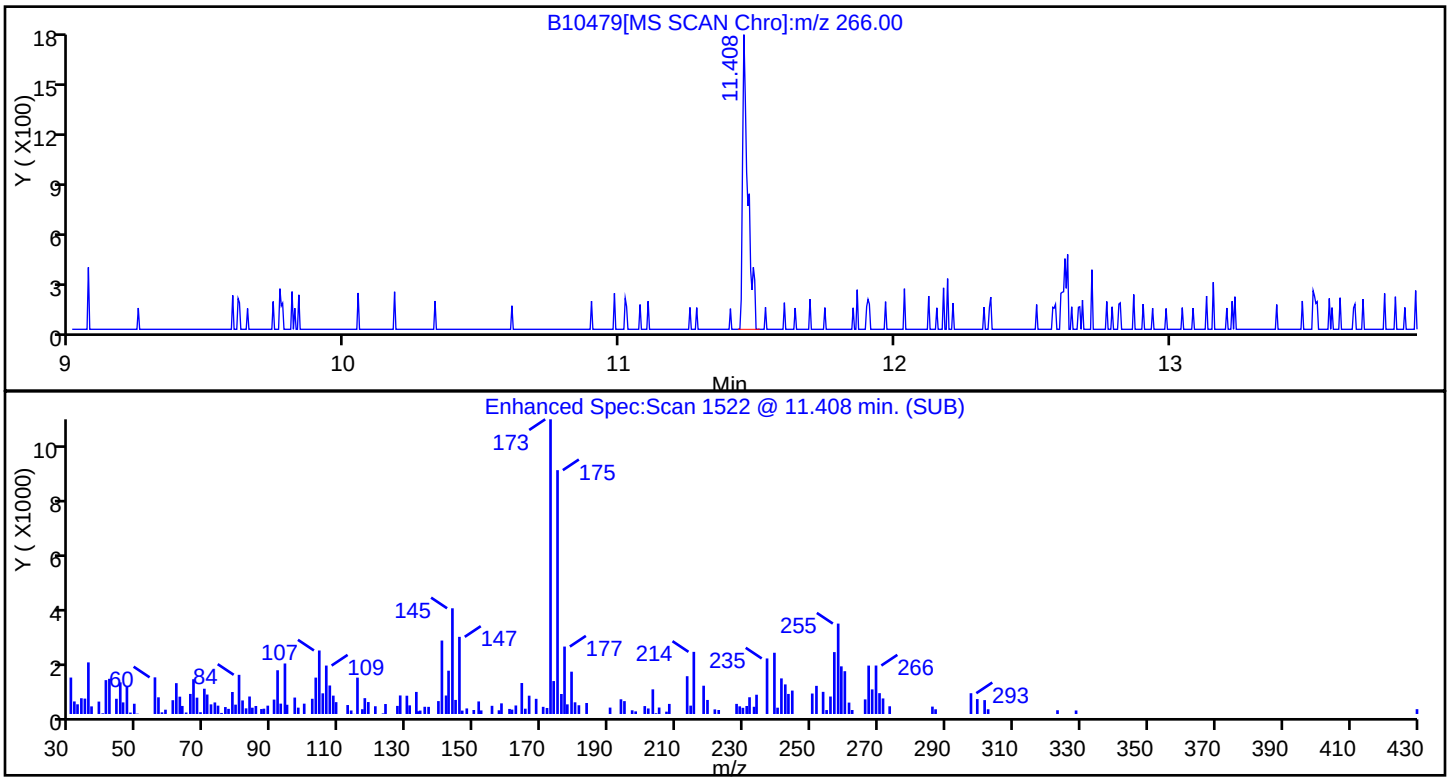
Reviewer: sullivanp, 24-Sep-2009 10:54:35
Audit Action: Selected Alternate Hit
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10479.D		
Inj Date:	22-Sep-2009 17:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

78 Pentachlorophenol

Processing Results



RT	Mass	Response	Amount
11.41	266.00	2291	0.194614
11.41	264.00	1271	
11.40	268.00	776	

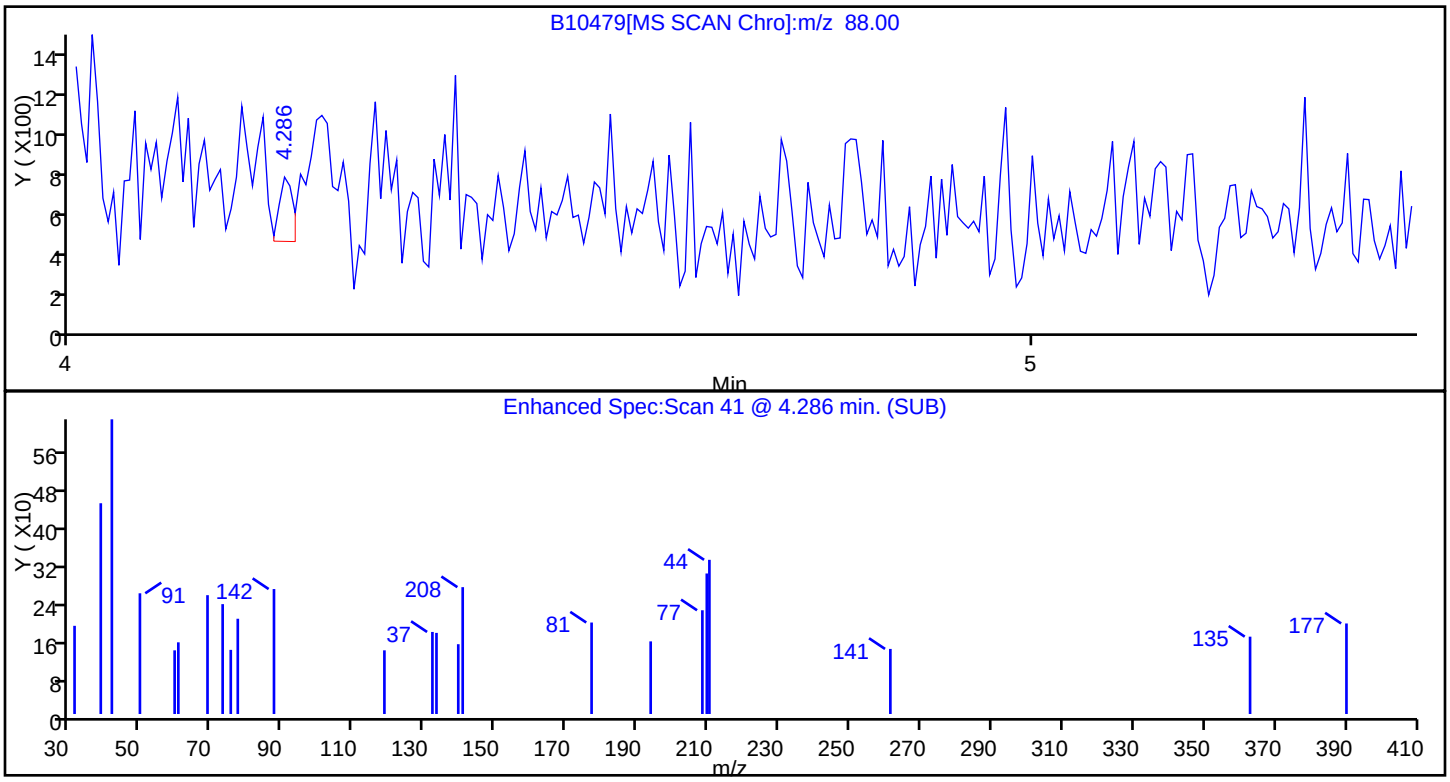
Reviewer: sullivanp, 24-Sep-2009 10:54:35
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10479.D		
Inj Date:	22-Sep-2009 17:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

14 1,4-Dioxane

Processing Results



RT	Mass	Response	Amount
4.29	88.00	261	4.981747
4.27	58.00	76	

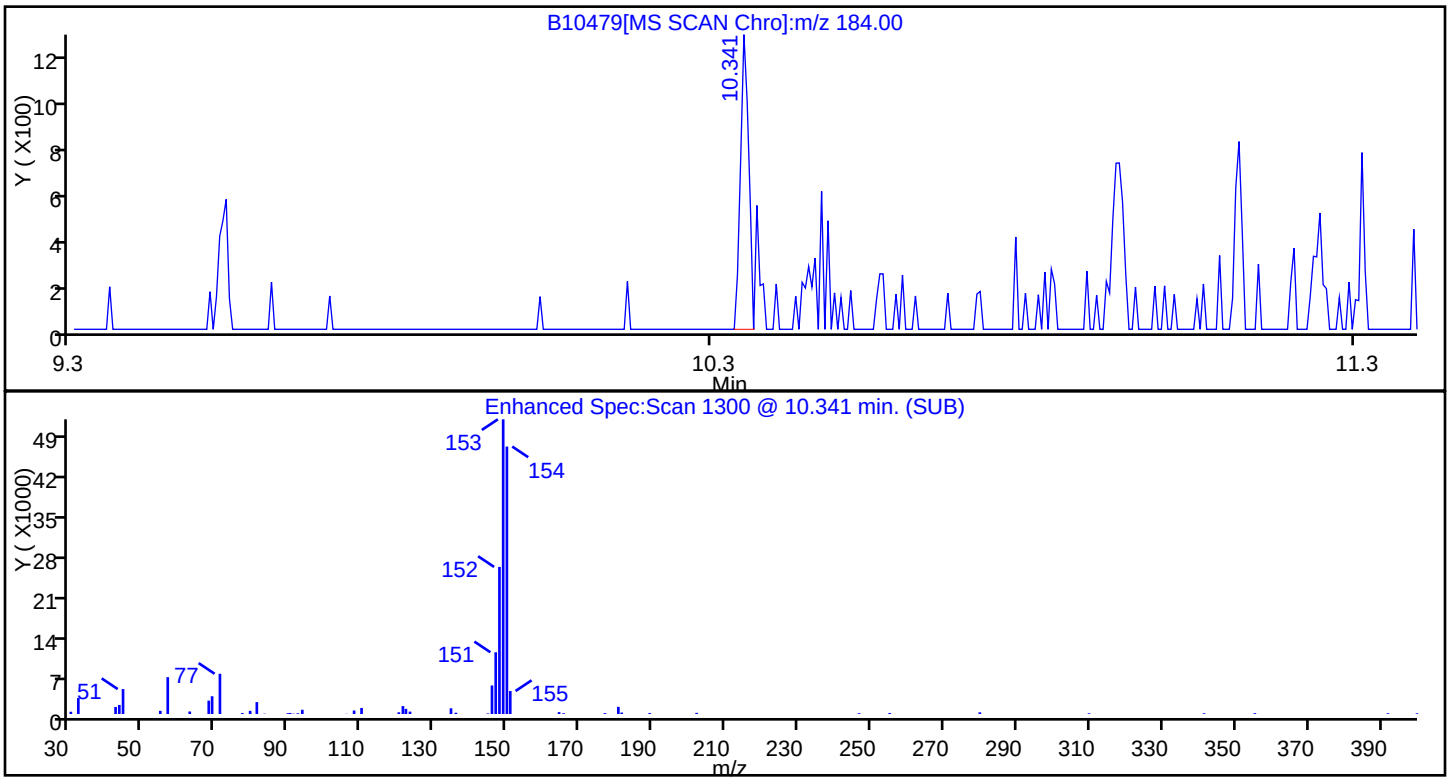
Reviewer: sullivanp, 24-Sep-2009 10:54:35
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10479.D		
Inj Date:	22-Sep-2009 17:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.34	184.00	1067	0.291522
10.35	63.00	14853	
10.35	154.00	104928	

Reviewer: sullivanp, 24-Sep-2009 10:54:35
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10480.D		
Lims ID:	std1	Client ID:	
Inject. Date:	22-Sep-2009 17:36:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	std1		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49400	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:21:30	Calib Date:	22-Sep-2009 17:36:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10480.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:55:38
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:15:14
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:21:30

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	7.691	7.692	-0.001	357012	2.00	
* 2 Naphthalene-d8	136	8.821	8.823	-0.002	865462	2.00	
* 3 Acenaphthene-d10	164	10.321	10.323	-0.002	406993	2.00	
* 4 Phenanthrene-d10	188	11.581	11.583	-0.002	662467	2.00	
* 5 Chrysene-d12	240	14.991	14.997	-0.006	453957	2.00	
* 6 Perylene-d12	264	17.381	17.382	-0.001	346829	2.00	
$ 7 2-Fluorophenol	112	6.412	6.409	0.004	94444	1.05	
$ 8 Phenol-d5	99	7.321	7.322	-0.001	124934	1.03	
$ 9 Nitrobenzene-d5	82	8.186	8.188	-0.002	123083	1.06	
$ 10 2-Fluorobiphenyl	172	9.715	9.717	-0.002	265224	1.00	
$ 11 2,4,6-Tribromophenol	330	10.985	10.986	-0.001	17296	0.9600	
$ 12 Terphenyl-d14	244	13.110	13.112	-0.002	176069	1.00	
15 N-Nitrosodimethylamine	42	4.618	4.615	0.003	71545	1.06	
16 Pyridine	79	4.657	4.634	0.023	78175	0.9838	
17 Benzaldehyde	105	7.297	7.293	0.004	71854	1.02	
18 Phenol	94	7.330	7.337	-0.007	133458	1.04	
19 Aniline	93	7.388	7.390	-0.002	153282	1.02	
20 Bis(2-chloroethyl)ether	93	7.431	7.433	-0.002	107177	0.99	
21 2-Chlorophenol	128	7.499	7.500	-0.001	113288	1.05	
22 1,4-Dichlorobenzene	146	7.643	7.644	-0.001	140893	1.01	
23 1,3-Dichlorobenzene	146	7.705	7.707	-0.002	148243	1.01	
24 Benzyl alcohol	79	7.797	7.798	-0.001	89556	1.09	
25 1,2-Dichlorobenzene	146	7.850	7.851	-0.001	132926	0.9365	
26 2-Methylphenol	108	7.883	7.885	-0.002	104413	1.05	
27 2,2'-oxybis[1-chloropropane]	45	7.912	7.914	-0.002	199336	1.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.013	8.015	-0.002	105121	1.04	
29 N-Nitrosodi-n-propylamine	70	8.027	8.029	-0.002	74867	1.07	
30 Acetophenone	105	8.042	8.044	-0.002	150485	1.01	
31 Hexachloroethane	117	8.157	8.154	0.003	49586	1.03	
32 Nitrobenzene	77	8.201	8.202	-0.001	121158	1.06	
33 Isophorone	82	8.398	8.399	-0.001	200046	1.10	
34 2-Nitrophenol	139	8.480	8.481	-0.001	54899	1.14	
35 2,4-Dimethylphenol	107	8.480	8.481	-0.001	108960	1.04	
36 Benzoic acid	105	8.504	8.515	-0.011	14552	1.05	
37 Bis(2-chloroethoxy)methane	93	8.561	8.563	-0.002	120849	1.03	
38 2,4-Dichlorophenol	162	8.681	8.683	-0.002	90057	1.06	
39 1,2,4-Trichlorobenzene	180	8.763	8.765	-0.002	110225	1.01	
40 Alpha-Terpineol	59	8.811	8.813	-0.002	99384	1.04	
41 Naphthalene	128	8.840	8.842	-0.002	355285	1.00	
42 4-Chloroaniline	127	8.864	8.866	-0.002	133411	1.05	
43 Hexachlorobutadiene	225	8.927	8.928	-0.001	56517	1.01	
44 Caprolactam	55	9.134	9.150	-0.016	40931	1.06	
45 4-Chloro-3-methylphenol	107	9.244	9.246	-0.002	88584	1.05	
46 2-Methylnaphthalene	142	9.427	9.428	-0.001	234933	1.03	
47 1-Methylnaphthalene	142	9.513	9.515	-0.002	229449	1.01	
48 Hexachlorocyclopentadiene	237	9.557	9.553	0.004	32999	0.9414	
49 1,2,4,5-Tetrachlorobenzene	216	9.566	9.568	-0.002	95831	1.03	
50 2,4,6-Trichlorophenol	196	9.653	9.654	-0.001	55901	1.10	
51 2,4,5-Trichlorophenol	196	9.687	9.688	-0.001	60427	1.08	
52 1,1'-Biphenyl	154	9.812	9.813	-0.001	279695	1.01	
53 2-Chloronaphthalene	162	9.845	9.847	-0.002	263555	1.00	
54 Phenyl ether	170	9.893	9.895	-0.002	145073	1.02	
68 4-Nitroaniline	138	9.913	9.914	-0.001	62660	1.07	
56 Dimethyl phthalate	163	10.033	10.034	-0.001	253418	1.05	
57 2,6-Dinitrotoluene	165	10.100	10.102	-0.002	55404	1.03	
58 Acenaphthylene	152	10.206	10.207	-0.001	340453	1.06	
59 3-Nitroaniline	138	10.254	10.256	-0.002	51540	1.12	
60 2,4-Dinitrophenol	184	10.341	10.342	-0.001	4859	1.05	
61 Acenaphthene	153	10.345	10.352	-0.007	225607	0.9853	
62 4-Nitrophenol	109	10.355	10.357	-0.002	21415	0.8645	
63 2,4-Dinitrotoluene	165	10.446	10.448	-0.002	64687	1.01	
64 Dibenzofuran	168	10.490	10.491	-0.001	302302	0.99	
65 2,3,4,6-Tetrachlorophenol	232	10.581	10.583	-0.002	36629	0.9290	
66 Diethyl phthalate	149	10.615	10.621	-0.006	246695	0.9784	
67 4-Chlorophenyl phenyl ether	204	10.754	10.756	-0.002	109733	1.00	
55 2-Nitroaniline	65	10.773	10.775	-0.002	53632	1.00	
69 Fluorene	166	10.783	10.785	-0.002	250829	1.00	
70 4,6-Dinitro-2-methylphenol	198	10.793	10.794	-0.001	12986	0.8956	
71 Diphenylamine	169	10.845	10.847	-0.002	205204	1.01	
72 N-Nitrosodiphenylamine	169	10.845	10.847	-0.002	205204	1.01	
73 1,2-Diphenylhydrazine	77	10.889	10.890	-0.001	377673	1.07	
74 Azobenzene	77	10.889	10.890	-0.001	377673	1.07	
13 Benzophenone	105	10.898	10.900	-0.002	228458	1.08	
75 4-Bromophenyl phenyl ether	248	11.172	11.174	-0.002	58098	1.02	
76 Hexachlorobenzene	284	11.254	11.256	-0.002	51968	0.9404	
77 Atrazine	200	11.259	11.265	-0.006	60167	1.08	
78 Pentachlorophenol	266	11.408	11.410	-0.002	7824	1.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	11.418	11.419	-0.001	23309	1.13	
80 Phenanthrene	178	11.605	11.607	-0.002	326663	0.9549	
81 Anthracene	178	11.649	11.650	-0.001	317204	1.04	
83 Carbazole	167	11.764	11.766	-0.002	274564	1.03	
84 Di-n-butyl phthalate	149	11.985	11.987	-0.002	387931	0.9313	
87 Fluoranthene	202	12.711	12.713	-0.002	286119	1.00	
86 Benzidine	184	12.812	12.814	-0.002	26585	1.10	
85 Pyrene	202	12.990	12.992	-0.002	303076	1.02	
89 Butyl benzyl phthalate	149	13.769	13.771	-0.002	126389	1.09	
91 3,3'-Dichlorobenzidine	252	14.866	14.872	-0.006	47844	0.9270	
92 Bis(2-ethylhexyl) phthalate	149	14.880	14.882	-0.002	161460	0.9138	
93 Benzo[a]anthracene	228	14.971	14.973	-0.002	197963	1.04	
94 Chrysene	228	15.044	15.050	-0.006	191669	1.00	
95 Di-n-octyl phthalate	149	16.025	16.026	-0.001	230571	0.9146	
97 Benzo[b]fluoranthene	252	16.722	16.728	-0.006	185608	1.01	
98 Benzo[k]fluoranthene	252	16.765	16.771	-0.006	172113	1.04	
99 Benzo[a]pyrene	252	17.284	17.291	-0.007	134227	1.01	
100 Indeno[1,2,3-cd]pyrene	276	19.597	19.604	-0.007	113194	0.9610	
101 Dibenz(a,h)anthracene	278	19.631	19.633	-0.002	91546	0.9834	
102 Benzo[g,h,i]perylene	276	20.261	20.277	-0.016	108383	0.9425	

Report Date: 24-Sep-2009 11:21:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10480.D

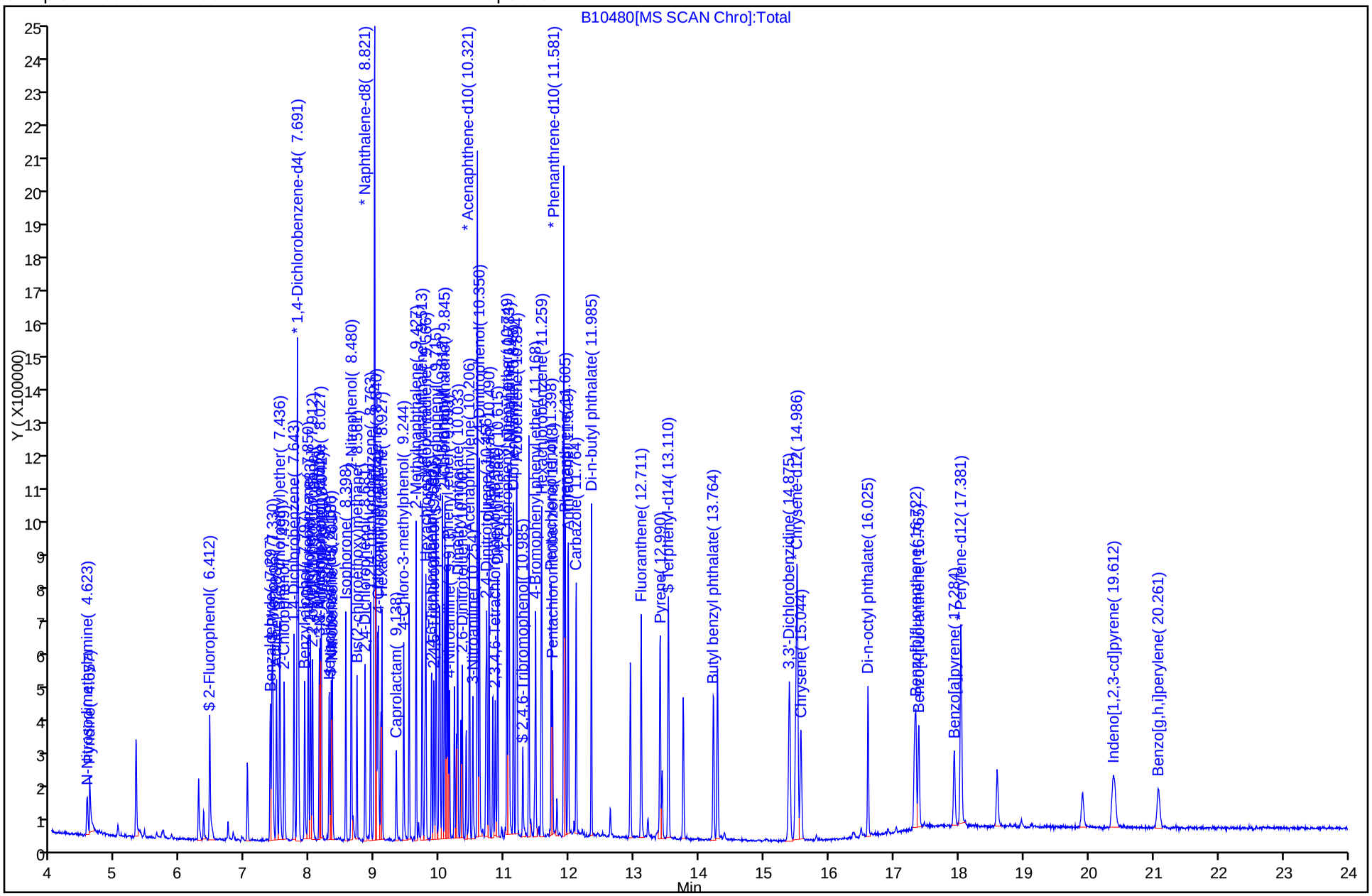
Inj Date: 22-Sep-2009 17:36:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: std1

Sample Amount: 1.00 ul Operator: MZ

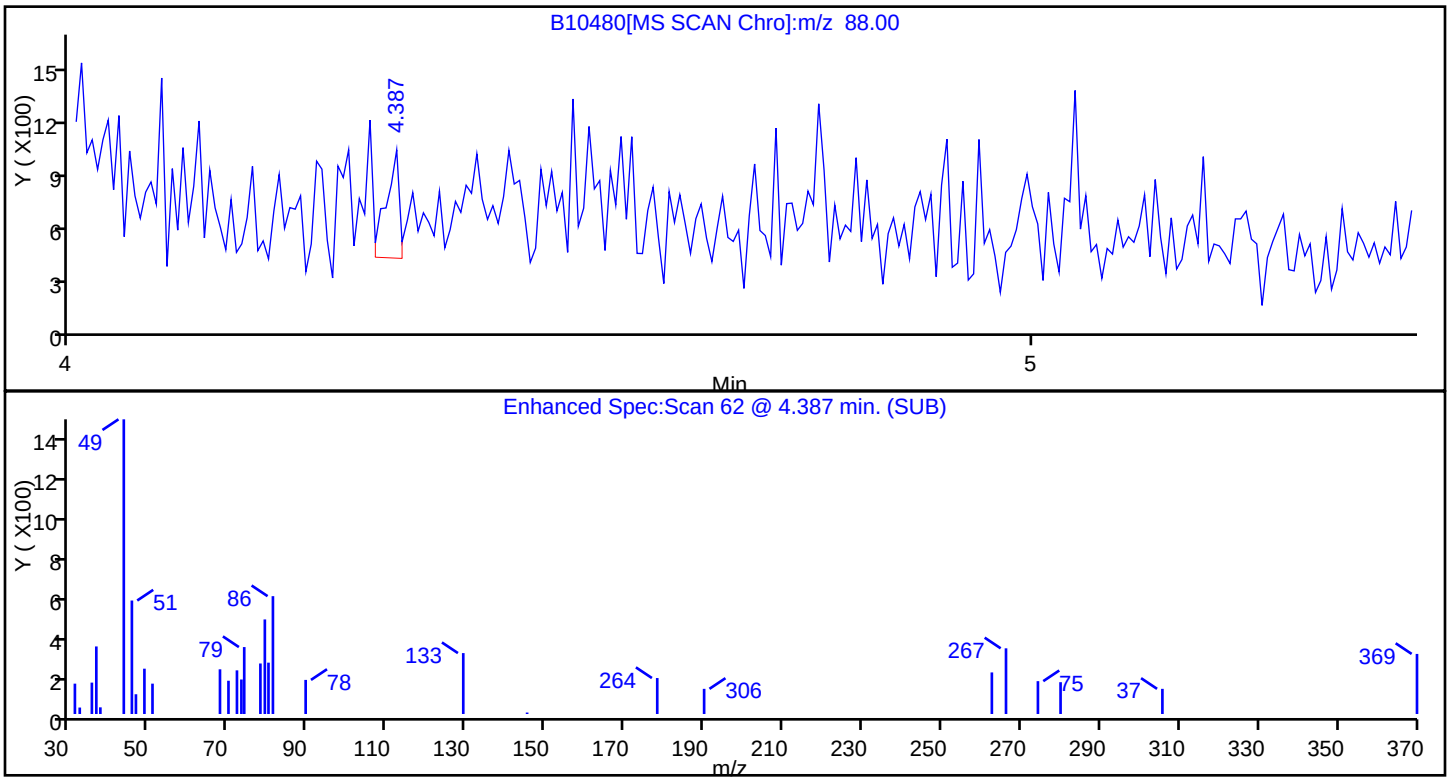


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10480.D		
Inj Date:	22-Sep-2009 17:36:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	std1		
Sample Amount:	1.00 ul	Operator:	MZ

14 1,4-Dioxane

Processing Results



RT	Mass	Response	Amount
4.39	88.00	518	6.239179
4.40	58.00	39	

Reviewer: sullivanp, 24-Sep-2009 10:55:38
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10481.D		
Lims ID:	std25	Client ID:	
Inject. Date:	22-Sep-2009 18:07:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	std25		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49400	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:35:44	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:56:46
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:15:20
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:35:44

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	7.691	7.692	-0.001	346171	2.00	
* 2 Naphthalene-d8	136	8.821	8.823	-0.002	841923	2.00	
* 3 Acenaphthene-d10	164	10.321	10.323	-0.002	361562	2.00	
* 4 Phenanthrene-d10	188	11.581	11.583	-0.002	584467	2.00	
* 5 Chrysene-d12	240	14.990	14.997	-0.007	362634	2.00	
* 6 Perylene-d12	264	17.385	17.382	0.003	248960	2.00	
$ 7 2-Fluorophenol	112	6.407	6.409	-0.001	239427	2.81	
$ 8 Phenol-d5	99	7.320	7.322	-0.002	309112	2.60	
$ 9 Nitrobenzene-d5	82	8.186	8.188	-0.002	295065	2.73	
$ 10 2-Fluorobiphenyl	172	9.720	9.717	0.003	618088	2.57	
$ 11 2,4,6-Tribromophenol	330	10.985	10.986	-0.001	46905	2.27	
$ 12 Terphenyl-d14	244	13.110	13.112	-0.002	423137	2.87	
15 N-Nitrosodimethylamine	42	4.613	4.615	-0.002	176364	2.71	
16 Pyridine	79	4.637	4.634	0.003	216607	2.78	M
17 Benzaldehyde	105	7.296	7.293	0.003	172698	2.65	
18 Phenol	94	7.330	7.337	-0.007	321666	2.58	
19 Aniline	93	7.388	7.390	-0.002	380087	2.61	
20 Bis(2-chloroethyl)ether	93	7.431	7.433	-0.002	259725	2.61	
21 2-Chlorophenol	128	7.498	7.500	-0.002	279674	2.65	
22 1,4-Dichlorobenzene	146	7.642	7.644	-0.002	336214	2.55	
23 1,3-Dichlorobenzene	146	7.705	7.707	-0.002	348543	2.60	
24 Benzyl alcohol	79	7.796	7.798	-0.002	225647	2.82	
25 1,2-Dichlorobenzene	146	7.849	7.851	-0.002	323517	3.00	
26 2-Methylphenol	108	7.883	7.885	-0.002	250709	2.60	
27 2,2'-oxybis[1-chloropropane]	45	7.912	7.914	-0.002	469346	3.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.013	8.015	-0.002	260157	2.61	
29 N-Nitrosodi-n-propylamine	70	8.027	8.029	-0.002	186330	2.78	
30 Acetophenone	105	8.042	8.044	-0.002	363482	2.54	
31 Hexachloroethane	117	8.152	8.154	-0.002	120858	2.59	
32 Nitrobenzene	77	8.200	8.202	-0.002	295386	2.78	
33 Isophorone	82	8.397	8.399	-0.002	496384	2.86	
34 2-Nitrophenol	139	8.479	8.481	-0.002	150039	3.17	
35 2,4-Dimethylphenol	107	8.479	8.481	-0.002	272568	2.67	
36 Benzoic acid	105	8.513	8.515	-0.002	46171	3.54	
37 Bis(2-chloroethoxy)methane	93	8.561	8.563	-0.002	289108	2.68	
38 2,4-Dichlorophenol	162	8.681	8.683	-0.002	225826	2.82	
39 1,2,4-Trichlorobenzene	180	8.763	8.765	-0.002	264671	2.82	
40 Alpha-Terpineol	59	8.811	8.813	-0.002	246876	2.75	
41 Naphthalene	128	8.840	8.842	-0.002	849216	2.70	
42 4-Chloroaniline	127	8.864	8.866	-0.002	333234	2.77	
43 Hexachlorobutadiene	225	8.926	8.928	-0.002	132714	3.06	
44 Caprolactam	55	9.143	9.150	-0.007	110000	2.66	
45 4-Chloro-3-methylphenol	107	9.249	9.246	0.003	222635	2.78	
46 2-Methylnaphthalene	142	9.426	9.428	-0.002	569730	2.72	
47 1-Methylnaphthalene	142	9.513	9.515	-0.002	547747	3.06	
48 Hexachlorocyclopentadiene	237	9.556	9.553	0.003	78931	2.16	
49 1,2,4,5-Tetrachlorobenzene	216	9.566	9.568	-0.002	222613	3.06	
50 2,4,6-Trichlorophenol	196	9.653	9.654	-0.002	143500	2.40	
51 2,4,5-Trichlorophenol	196	9.686	9.688	-0.002	153373	2.42	
52 1,1'-Biphenyl	154	9.811	9.813	-0.002	660228	2.63	
53 2-Chloronaphthalene	162	9.845	9.847	-0.002	612694	2.59	
54 Phenyl ether	170	9.893	9.895	-0.002	358357	2.73	
68 4-Nitroaniline	138	9.912	9.914	-0.002	163523	2.34	
56 Dimethyl phthalate	163	10.032	10.034	-0.002	575575	2.60	
57 2,6-Dinitrotoluene	165	10.100	10.102	-0.002	131791	2.53	
58 Acenaphthylene	152	10.206	10.207	-0.001	817433	2.71	
59 3-Nitroaniline	138	10.254	10.256	-0.002	128451	2.49	
60 2,4-Dinitrophenol	184	10.340	10.342	-0.002	15071	2.03	
61 Acenaphthene	153	10.350	10.352	-0.002	540036	2.55	
62 4-Nitrophenol	109	10.355	10.357	-0.002	60466	2.02	
63 2,4-Dinitrotoluene	165	10.446	10.448	-0.002	161447	2.31	
64 Dibenzofuran	168	10.489	10.491	-0.002	720141	2.60	
65 2,3,4,6-Tetrachlorophenol	232	10.581	10.583	-0.002	98109	2.20	
66 Diethyl phthalate	149	10.619	10.621	-0.002	585423	2.55	
67 4-Chlorophenyl phenyl ether	204	10.754	10.756	-0.002	262115	2.57	
55 2-Nitroaniline	65	10.773	10.775	-0.002	134348	2.27	
69 Fluorene	166	10.783	10.785	-0.002	598758	2.58	
70 4,6-Dinitro-2-methylphenol	198	10.792	10.794	-0.002	33155	2.06	
71 Diphenylamine	169	10.845	10.847	-0.002	495812	2.63	
72 N-Nitrosodiphenylamine	169	10.845	10.847	-0.002	495812	2.63	
73 1,2-Diphenylhydrazine	77	10.888	10.890	-0.002	935574	2.75	
74 Azobenzene	77	10.888	10.890	-0.002	935574	2.75	
13 Benzophenone	105	10.898	10.900	-0.002	553915	2.69	
75 4-Bromophenyl phenyl ether	248	11.172	11.174	-0.002	135624	2.57	
76 Hexachlorobenzene	284	11.254	11.256	-0.002	130146	2.58	
77 Atrazine	200	11.263	11.265	-0.002	142272	2.64	
78 Pentachlorophenol	266	11.408	11.410	-0.002	36133	2.77	

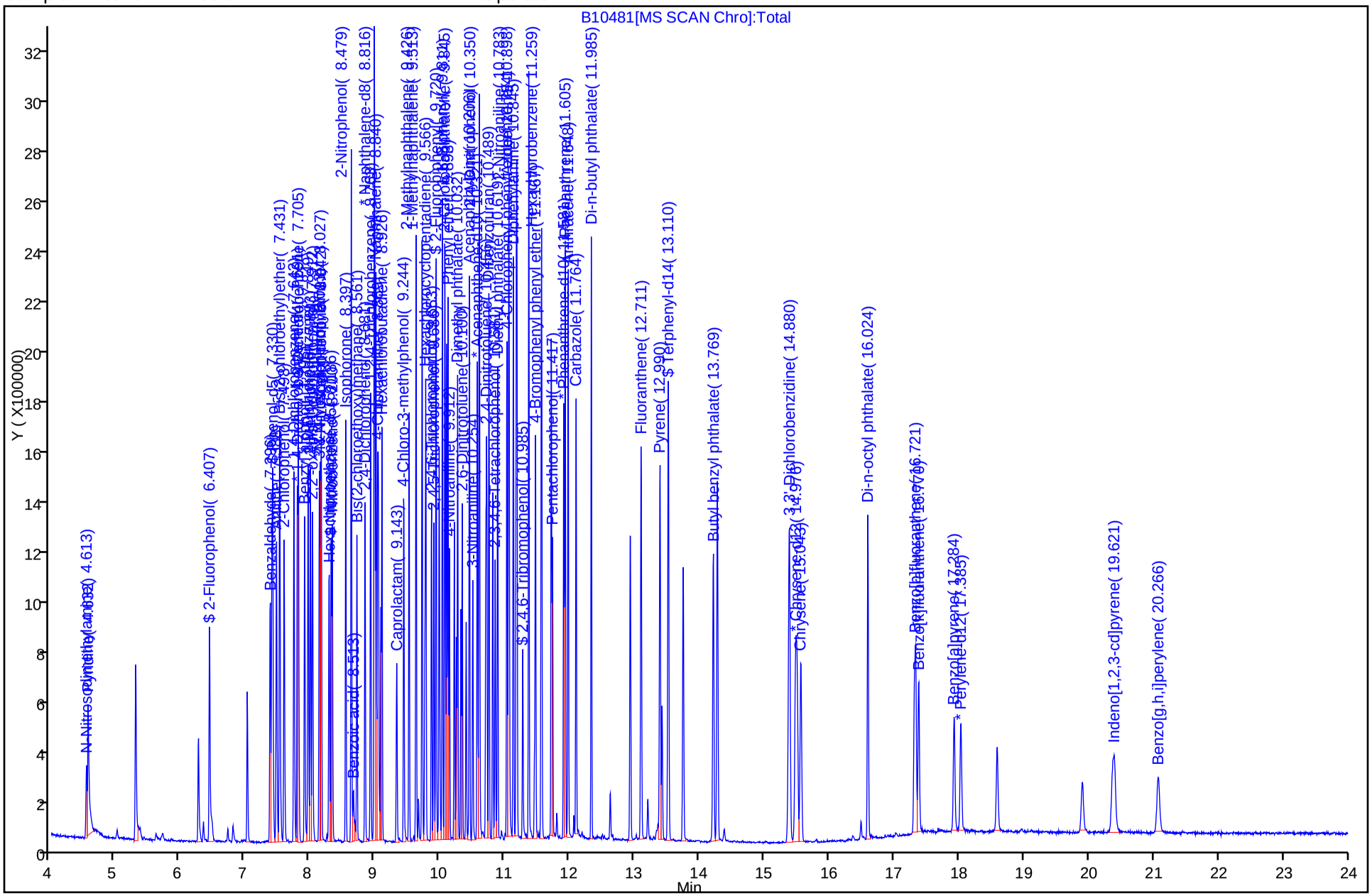
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	11.417	11.419	-0.002	57606	2.30	
80 Phenanthrene	178	11.605	11.607	-0.002	766778	2.53	
81 Anthracene	178	11.648	11.650	-0.002	746573	2.64	
83 Carbazole	167	11.764	11.766	-0.002	611998	2.57	
84 Di-n-butyl phthalate	149	11.985	11.987	-0.002	932906	2.57	
87 Fluoranthene	202	12.711	12.713	-0.002	686658	2.58	
86 Benzidine	184	12.812	12.814	-0.002	65114	2.09	
85 Pyrene	202	12.990	12.992	-0.002	709678	2.89	
89 Butyl benzyl phthalate	149	13.769	13.771	-0.002	339398	2.76	
91 3,3'-Dichlorobenzidine	252	14.865	14.872	-0.007	115685	2.28	
92 Bis(2-ethylhexyl) phthalate	149	14.880	14.882	-0.002	458100	2.61	
93 Benzo[a]anthracene	228	14.971	14.973	-0.002	421225	2.65	
94 Chrysene	228	15.043	15.050	-0.007	406803	2.60	
95 Di-n-octyl phthalate	149	16.024	16.026	-0.002	666318	2.64	
97 Benzo[b]fluoranthene	252	16.721	16.728	-0.007	371465	2.66	
98 Benzo[k]fluoranthene	252	16.770	16.771	-0.001	343330	2.69	
99 Benzo[a]pyrene	252	17.284	17.291	-0.007	266981	2.57	
100 Indeno[1,2,3-cd]pyrene	276	19.602	19.604	-0.002	228960	2.50	
101 Dibenz(a,h)anthracene	278	19.626	19.633	-0.007	177958	2.44	
102 Benzo[g,h,i]perylene	276	20.270	20.277	-0.007	209292	2.50	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Sep-2009 11:35:45 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10481.D		
Inj Date:	22-Sep-2009 18:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	std25		
Sample Amount:	1.00 ul	Operator:	MZ

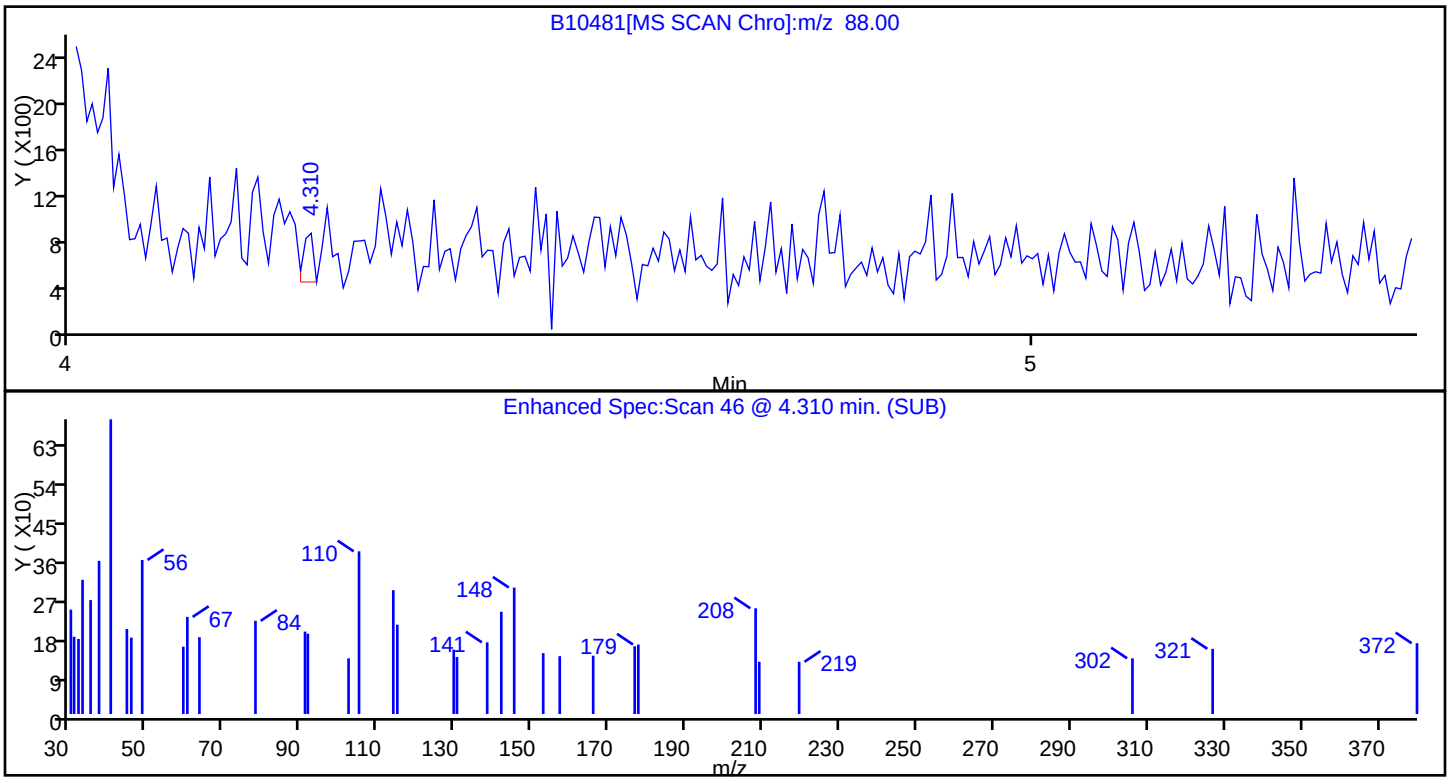


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10481.D		
Inj Date:	22-Sep-2009 18:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	std25		
Sample Amount:	1.00 ul	Operator:	MZ

14 1,4-Dioxane

Processing Results



RT	Mass	Response	Amount
4.31	88.00	256	4.780284
4.29	58.00	106	

Reviewer: sullivanp, 24-Sep-2009 10:56:46
Audit Action: Marked Compound Undetected
Audit Reason:

Chrom Revision: 1.1 20-Sep-2009 21:03:36

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10481.D		
Inj Date:	22-Sep-2009 18:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	std25		
Sample Amount:	1.00 ul	Operator:	MZ

16 Pyridine, Number: 1, m/z: 79 Type: quant, RT: 4.63

Processing Integration Results

Not Detected

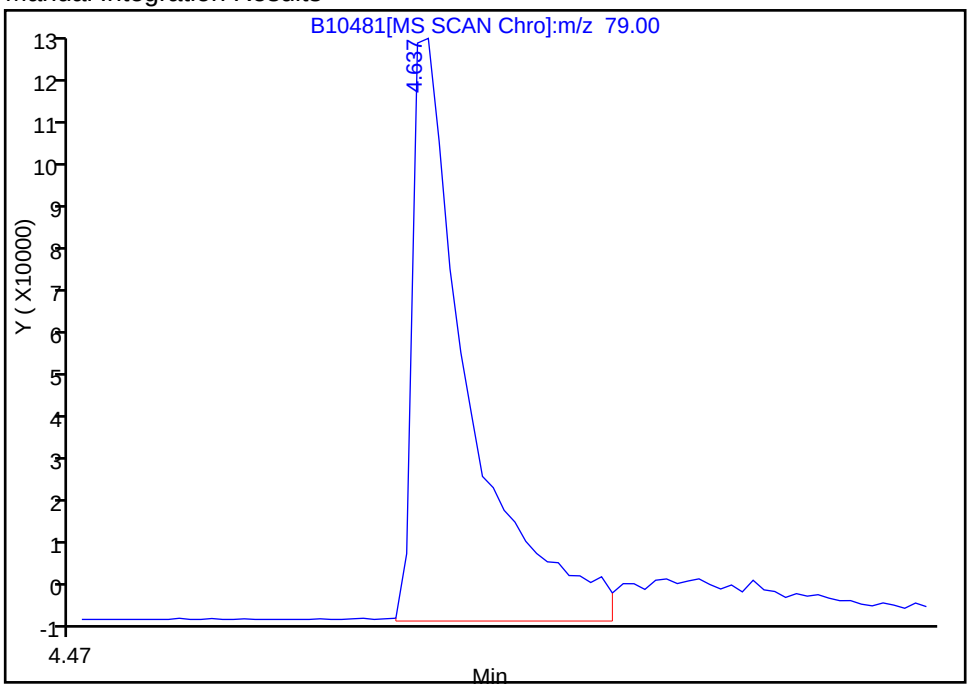
Expected RT: 4.63

Manual Integration Results

RT: 4.64

Response: 216607

Amount: 2.782321



Reviewer: sullivanp, 24-Sep-2009 10:56:46

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10482.D		
Lims ID:	std8	Client ID:	
Inject. Date:	22-Sep-2009 18:38:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	std8		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49400	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:19:57	Calib Date:	22-Sep-2009 18:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10482.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:57:45
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:15:26
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:19:57

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	7.690	7.692	-0.002	426530	2.00	
* 2 Naphthalene-d8	136	8.820	8.823	-0.003	1110757	2.00	
* 3 Acenaphthene-d10	164	10.320	10.323	-0.003	366606	2.00	
* 4 Phenanthrene-d10	188	11.585	11.583	0.002	609523	2.00	
* 5 Chrysene-d12	240	14.999	14.997	0.002	452154	2.00	
* 6 Perylene-d12	264	17.385	17.382	0.003	332693	2.00	
$ 7 2-Fluorophenol	112	6.411	6.409	0.003	761405	7.31	
$ 8 Phenol-d5	99	7.325	7.322	0.003	1038794	7.37	
$ 9 Nitrobenzene-d5	82	8.185	8.188	-0.003	1004668	7.05	
$ 10 2-Fluorobiphenyl	172	9.719	9.717	0.002	2067298	8.48	5
$ 11 2,4,6-Tribromophenol	330	10.989	10.986	0.003	177767	8.00	5
$ 12 Terphenyl-d14	244	13.110	13.112	-0.002	1531814	8.58	5
15 N-Nitrosodimethylamine	42	4.617	4.615	0.002	547468	7.11	
16 Pyridine	79	4.636	4.634	0.002	730927	7.94	
17 Benzaldehyde	105	7.296	7.293	0.003	578624	7.10	
18 Phenol	94	7.334	7.337	-0.003	1084732	7.29	
19 Aniline	93	7.392	7.390	0.002	1274963	7.33	
20 Bis(2-chloroethyl)ether	93	7.435	7.433	0.002	866834	6.95	5
21 2-Chlorophenol	128	7.502	7.500	0.002	931840	7.42	
22 1,4-Dichlorobenzene	146	7.642	7.644	-0.002	1093647	6.79	
23 1,3-Dichlorobenzene	146	7.709	7.707	0.002	1141801	6.76	
24 Benzyl alcohol	79	7.801	7.798	0.003	773957	8.02	5
25 1,2-Dichlorobenzene	146	7.849	7.851	-0.002	1039552	7.85	
26 2-Methylphenol	108	7.882	7.885	-0.003	832793	7.26	
27 2,2'-oxybis[1-chloropropane]	45	7.916	7.914	0.002	1512318	7.46	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.017	8.015	0.002	879321	7.46	
29 N-Nitrosodi-n-propylamine	70	8.031	8.029	0.002	624668	7.69	
30 Acetophenone	105	8.046	8.044	0.002	1217508	7.05	
31 Hexachloroethane	117	8.156	8.154	0.002	396410	7.11	
32 Nitrobenzene	77	8.205	8.202	0.003	979970	7.02	
33 Isophorone	82	8.402	8.399	0.003	1664312	7.41	
34 2-Nitrophenol	139	8.479	8.481	-0.002	528523	8.71	5
35 2,4-Dimethylphenol	107	8.483	8.481	0.002	941997	7.26	
36 Benzoic acid	105	8.541	8.515	0.026	344152	8.00	5
37 Bis(2-chloroethoxy)methane	93	8.565	8.563	0.002	958980	6.67	
38 2,4-Dichlorophenol	162	8.681	8.683	-0.002	754969	7.20	
39 1,2,4-Trichlorobenzene	180	8.762	8.765	-0.003	864818	7.83	
40 Alpha-Terpineol	59	8.815	8.813	0.002	841097	7.10	
41 Naphthalene	128	8.839	8.842	-0.003	2714151	7.72	
42 4-Chloroaniline	127	8.868	8.866	0.002	1135441	7.19	
43 Hexachlorobutadiene	225	8.931	8.928	0.003	439227	7.36	
44 Caprolactam	55	9.162	9.150	0.012	395344	7.72	
45 4-Chloro-3-methylphenol	107	9.248	9.246	0.002	778601	7.43	
46 2-Methylnaphthalene	142	9.426	9.428	-0.002	1872781	6.70	
47 1-Methylnaphthalene	142	9.517	9.515	0.002	1823949	6.57	
48 Hexachlorocyclopentadiene	237	9.556	9.553	0.003	313012	8.46	5
49 1,2,4,5-Tetrachlorobenzene	216	9.570	9.568	0.002	741256	7.37	
50 2,4,6-Trichlorophenol	196	9.652	9.654	-0.002	505218	8.54	5
51 2,4,5-Trichlorophenol	196	9.690	9.688	0.002	542524	8.59	5
52 1,1'-Biphenyl	154	9.811	9.813	-0.002	2167976	8.55	5
53 2-Chloronaphthalene	162	9.849	9.847	0.002	1962217	8.20	5
54 Phenyl ether	170	9.892	9.895	-0.003	1171815	6.70	
68 4-Nitroaniline	138	9.917	9.914	0.002	593850	8.46	5
56 Dimethyl phthalate	163	10.037	10.034	0.003	1931811	8.81	5
57 2,6-Dinitrotoluene	165	10.104	10.102	0.002	453582	8.73	5
58 Acenaphthylene	152	10.210	10.207	0.003	2742973	9.22	5
59 3-Nitroaniline	138	10.258	10.256	0.002	435112	8.47	5
60 2,4-Dinitrophenol	184	10.344	10.342	0.002	123443	15.7	5
61 Acenaphthene	153	10.349	10.352	-0.003	1871010	8.81	5
62 4-Nitrophenol	109	10.359	10.357	0.002	260466	8.52	5
63 2,4-Dinitrotoluene	165	10.450	10.448	0.002	591597	8.62	5
64 Dibenzofuran	168	10.494	10.491	0.003	2407367	8.61	5
65 2,3,4,6-Tetrachlorophenol	232	10.585	10.583	0.002	382997	8.36	5
66 Diethyl phthalate	149	10.619	10.621	-0.002	1988840	8.56	5
67 4-Chlorophenyl phenyl ether	204	10.753	10.756	-0.003	895754	8.85	5
55 2-Nitroaniline	65	10.777	10.775	0.002	503934	8.57	5
69 Fluorene	166	10.782	10.785	-0.003	2083099	8.99	5
70 4,6-Dinitro-2-methylphenol	198	10.797	10.794	0.002	203492	8.00	5
71 Diphenylamine	169	10.849	10.847	0.002	1717220	8.96	5
72 N-Nitrosodiphenylamine	169	10.849	10.847	0.002	1717220	8.96	5
73 1,2-Diphenylhydrazine	77	10.893	10.890	0.003	3232413	9.59	5
74 Azobenzene	77	10.893	10.890	0.003	3232413	9.59	5
13 Benzophenone	105	10.902	10.900	0.002	1968986	8.82	5
75 4-Bromophenyl phenyl ether	248	11.172	11.174	-0.002	469405	8.79	5
76 Hexachlorobenzene	284	11.258	11.256	0.002	442438	8.45	5
77 Atrazine	200	11.263	11.265	-0.002	508448	9.64	5
78 Pentachlorophenol	266	11.407	11.410	-0.003	215873	8.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	11.422	11.419	0.003	212661	8.61	5
80 Phenanthrene	178	11.604	11.607	-0.003	2668995	8.30	5
81 Anthracene	178	11.648	11.650	-0.002	2639164	9.18	5
83 Carbazole	167	11.763	11.766	-0.003	2076312	8.42	5
84 Di-n-butyl phthalate	149	11.989	11.987	0.002	3185246	8.14	5
87 Fluoranthene	202	12.715	12.713	0.002	2425089	8.90	5
86 Benzidine	184	12.811	12.814	-0.003	481249	8.00	5
85 Pyrene	202	12.989	12.992	-0.003	2529790	8.47	5
89 Butyl benzyl phthalate	149	13.768	13.771	-0.003	1266098	8.49	5
91 3,3'-Dichlorobenzidine	252	14.870	14.872	-0.002	524541	8.45	5
92 Bis(2-ethylhexyl) phthalate	149	14.884	14.882	0.002	1828326	8.35	5
93 Benzo[a]anthracene	228	14.975	14.973	0.002	1696745	8.85	5
94 Chrysene	228	15.052	15.050	0.002	1608946	8.30	5
95 Di-n-octyl phthalate	149	16.028	16.026	0.002	2857632	8.00	5
97 Benzo[b]fluoranthene	252	16.735	16.728	0.007	1585461	8.77	5
98 Benzo[k]fluoranthene	252	16.774	16.771	0.003	1481646	9.12	5
99 Benzo[a]pyrene	252	17.293	17.291	0.002	1257257	9.48	5
100 Indeno[1,2,3-cd]pyrene	276	19.611	19.604	0.007	1130866	8.49	5
101 Dibenz(a,h)anthracene	278	19.640	19.633	0.007	907350	8.55	5
102 Benzo[g,h,i]perylene	276	20.284	20.277	0.007	955071	8.42	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 24-Sep-2009 11:19:58 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10482.D

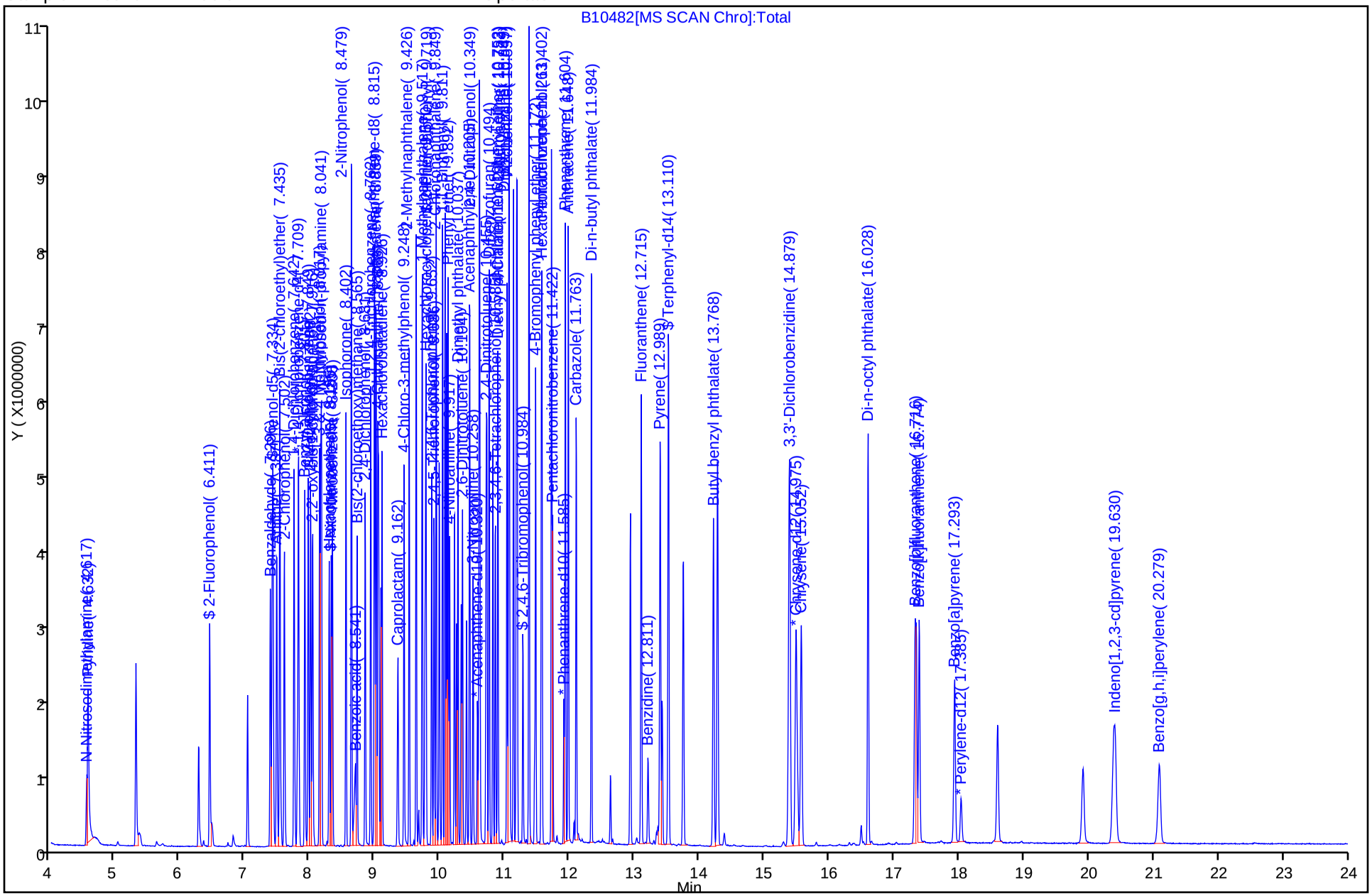
Inj Date: 22-Sep-2009 18:38:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: std8

Sample Amount: 1.00 ul Operator: MZ

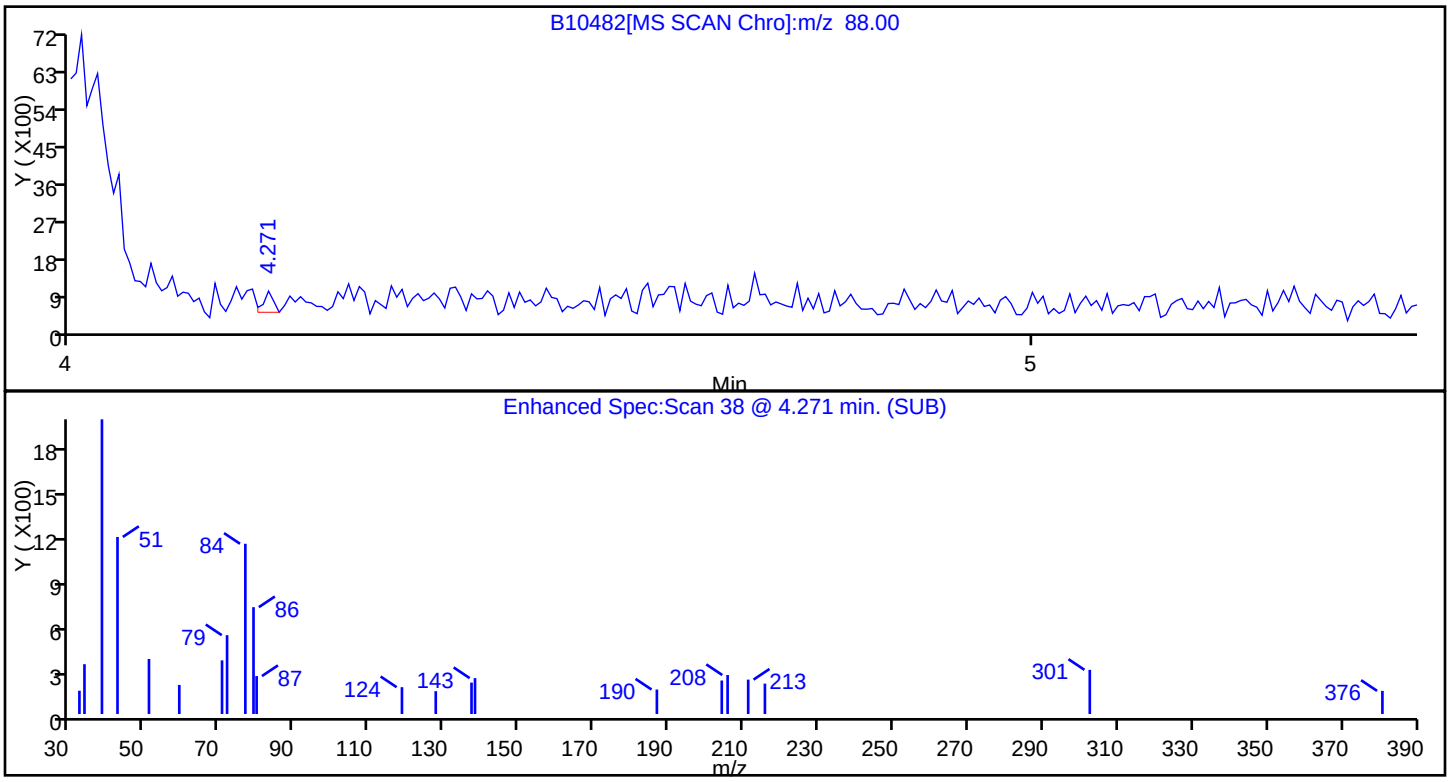


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10482.D		
Inj Date:	22-Sep-2009 18:38:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	8
Client ID:		Instrument:	Inst. B
Sample Info:	std8		
Sample Amount:	1.00 ul	Operator:	MZ

14 1,4-Dioxane

Processing Results



RT	Mass	Response	Amount
4.27	88.00	315	8.000000
4.26	58.00	178	

Reviewer: sullivanp, 24-Sep-2009 10:57:45
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10483.D		
Lims ID:	std10	Client ID:	
Inject. Date:	22-Sep-2009 19:10:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	std10		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49400	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:23:12	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 10:58:41
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:15:38
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:20:41
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:23:11

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	7.692	7.692	0.000	507717	2.00	
* 2 Naphthalene-d8	136	8.822	8.823	-0.001	1325257	2.00	
* 3 Acenaphthene-d10	164	10.323	10.323	0.000	422378	2.00	
* 4 Phenanthrene-d10	188	11.588	11.583	0.005	697435	2.00	
* 5 Chrysene-d12	240	14.997	14.997	0.000	533690	2.00	
* 6 Perylene-d12	264	17.387	17.382	0.005	387509	2.00	
$ 7 2-Fluorophenol	112	6.413	6.409	0.005	1045275	9.18	
$ 8 Phenol-d5	99	7.327	7.322	0.005	1416896	8.18	
$ 9 Nitrobenzene-d5	82	8.188	8.188	0.000	1350871	9.74	
$ 10 2-Fluorobiphenyl	172	9.722	9.717	0.005	2782986	9.96	
$ 11 2,4,6-Tribromophenol	330	10.991	10.986	0.005	250038	9.68	
$ 12 Terphenyl-d14	244	13.112	13.112	0.000	2134073	10.0	
15 N-Nitrosodimethylamine	42	4.624	4.615	0.009	763408	8.08	
16 Pyridine	79	4.639	4.634	0.005	1035756	9.38	
17 Benzaldehyde	105	7.298	7.293	0.005	775312	9.16	
18 Phenol	94	7.337	7.337	0.000	1463095	8.03	
19 Aniline	93	7.389	7.390	-0.001	1726531	8.12	
20 Bis(2-chloroethyl)ether	93	7.433	7.433	0.000	1183318	9.22	
21 2-Chlorophenol	128	7.505	7.500	0.005	1232369	8.01	
22 1,4-Dichlorobenzene	146	7.644	7.644	0.000	1484034	7.69	
23 1,3-Dichlorobenzene	146	7.707	7.707	0.000	1552523	9.20	
24 Benzyl alcohol	79	7.803	7.798	0.005	1061738	9.22	
25 1,2-Dichlorobenzene	146	7.851	7.851	0.000	1418289	9.21	
26 2-Methylphenol	108	7.885	7.885	0.000	1120879	7.97	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.914	7.914	0.000	2026361	9.16	
28 3 & 4 Methylphenol	108	8.019	8.015	0.004	1184497	8.16	
29 N-Nitrosodi-n-propylamine	70	8.034	8.029	0.005	869372	9.26	
30 Acetophenone	105	8.043	8.044	-0.001	1676724	7.99	
31 Hexachloroethane	117	8.154	8.154	0.000	550932	8.09	
32 Nitrobenzene	77	8.207	8.202	0.005	1333371	9.73	
33 Isophorone	82	8.404	8.399	0.005	2285057	9.84	
34 2-Nitrophenol	139	8.481	8.481	0.000	741358	10.3	
35 2,4-Dimethylphenol	107	8.481	8.481	0.000	1304359	9.85	
36 Benzoic acid	105	8.553	8.515	0.038	657380	22.0	5
37 Bis(2-chloroethoxy)methane	93	8.563	8.563	0.000	1323968	9.85	
38 2,4-Dichlorophenol	162	8.683	8.683	0.000	1039168	9.85	
39 1,2,4-Trichlorobenzene	180	8.765	8.765	0.000	1177496	9.81	
40 Alpha-Terpineol	59	8.818	8.813	0.005	1165049	9.92	
41 Naphthalene	128	8.842	8.842	0.000	3669288	9.80	
42 4-Chloroaniline	127	8.866	8.866	0.000	1605681	10.1	
43 Hexachlorobutadiene	225	8.928	8.928	0.000	605681	9.84	
44 Caprolactam	55	9.169	9.150	0.019	554869	9.98	
45 4-Chloro-3-methylphenol	107	9.250	9.246	0.004	1065813	9.81	
46 2-Methylnaphthalene	142	9.428	9.428	0.000	2548579	9.85	
47 1-Methylnaphthalene	142	9.515	9.515	0.000	2491704	9.86	
48 Hexachlorocyclopentadiene	237	9.558	9.553	0.005	451039	10.1	
49 1,2,4,5-Tetrachlorobenzene	216	9.568	9.568	0.000	1015527	9.84	
50 2,4,6-Trichlorophenol	196	9.654	9.654	0.000	699662	9.74	
51 2,4,5-Trichlorophenol	196	9.688	9.688	0.000	735084	9.70	
52 1,1'-Biphenyl	154	9.813	9.813	0.000	2936790	10.1	
53 2-Chloronaphthalene	162	9.852	9.847	0.005	2709354	9.85	
54 Phenyl ether	170	9.895	9.895	0.000	1624999	9.96	
68 4-Nitroaniline	138	9.919	9.914	0.005	814305	9.69	
56 Dimethyl phthalate	163	10.039	10.034	0.005	2643173	10.3	
57 2,6-Dinitrotoluene	165	10.106	10.102	0.004	621792	10.1	
58 Acenaphthylene	152	10.207	10.207	0.000	3723572	10.7	
59 3-Nitroaniline	138	10.260	10.256	0.004	599772	9.74	
60 2,4-Dinitrophenol	184	10.342	10.342	0.000	209847	10.7	
61 Acenaphthene	153	10.352	10.352	0.000	2567193	10.4	
62 4-Nitrophenol	109	10.361	10.357	0.004	370103	9.91	
63 2,4-Dinitrotoluene	165	10.453	10.448	0.005	821220	9.69	
64 Dibenzofuran	168	10.496	10.491	0.005	3264156	10.2	
65 2,3,4,6-Tetrachlorophenol	232	10.587	10.583	0.004	546207	9.95	
66 Diethyl phthalate	149	10.621	10.621	0.000	2740233	10.2	
67 4-Chlorophenyl phenyl ether	204	10.756	10.756	0.000	1235429	10.4	
55 2-Nitroaniline	65	10.780	10.775	0.005	724387	10.1	
69 Fluorene	166	10.784	10.785	-0.001	2840734	10.5	
70 4,6-Dinitro-2-methylphenol	198	10.799	10.794	0.005	319482	10.5	
71 Diphenylamine	169	10.852	10.847	0.005	2339705	10.5	
72 N-Nitrosodiphenylamine	169	10.852	10.847	0.005	2339705	10.5	
73 1,2-Diphenylhydrazine	77	10.895	10.890	0.005	4426570	11.0	
74 Azobenzene	77	10.895	10.890	0.005	4426570	11.0	
13 Benzophenone	105	10.905	10.900	0.005	2727680	11.2	
75 4-Bromophenyl phenyl ether	248	11.174	11.174	0.000	648260	10.3	
76 Hexachlorobenzene	284	11.256	11.256	0.000	613688	10.2	
77 Atrazine	200	11.265	11.265	0.000	709025	11.1	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.410	11.410	0.000	332928	10.3	
79 Pentachloronitrobenzene	237	11.424	11.419	0.005	303722	9.82	
80 Phenanthrene	178	11.607	11.607	0.000	3597083	9.97	
81 Anthracene	178	11.650	11.650	0.000	3588006	10.7	
83 Carbazole	167	11.765	11.766	-0.001	2843868	10.0	
84 Di-n-butyl phthalate	149	11.987	11.987	0.000	4282368	9.90	
87 Fluoranthene	202	12.718	12.713	0.005	3368690	10.6	
86 Benzidine	184	12.814	12.814	0.000	758484	10.5	
85 Pyrene	202	12.992	12.992	0.000	3508169	9.92	
89 Butyl benzyl phthalate	149	13.771	13.771	0.000	1783685	9.72	
91 3,3'-Dichlorobenzidine	252	14.872	14.872	0.000	750826	9.60	
92 Bis(2-ethylhexyl) phthalate	149	14.886	14.882	0.004	2575963	9.73	
93 Benzo[a]anthracene	228	14.978	14.973	0.005	2396717	10.3	
94 Chrysene	228	15.055	15.050	0.005	2244555	9.81	
95 Di-n-octyl phthalate	149	16.026	16.026	0.000	4046108	9.96	
97 Benzo[b]fluoranthene	252	16.738	16.728	0.010	2253685	10.5	
98 Benzo[k]fluoranthene	252	16.776	16.771	0.005	2064836	10.5	
99 Benzo[a]pyrene	252	17.296	17.291	0.005	1779897	11.0	
100 Indeno[1,2,3-cd]pyrene	276	19.613	19.604	0.009	1574900	11.1	
101 Dibenz(a,h)anthracene	278	19.642	19.633	0.009	1267481	9.94	
102 Benzo[g,h,i]perylene	276	20.287	20.277	0.010	1312340	10.1	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 24-Sep-2009 11:23:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10483.D

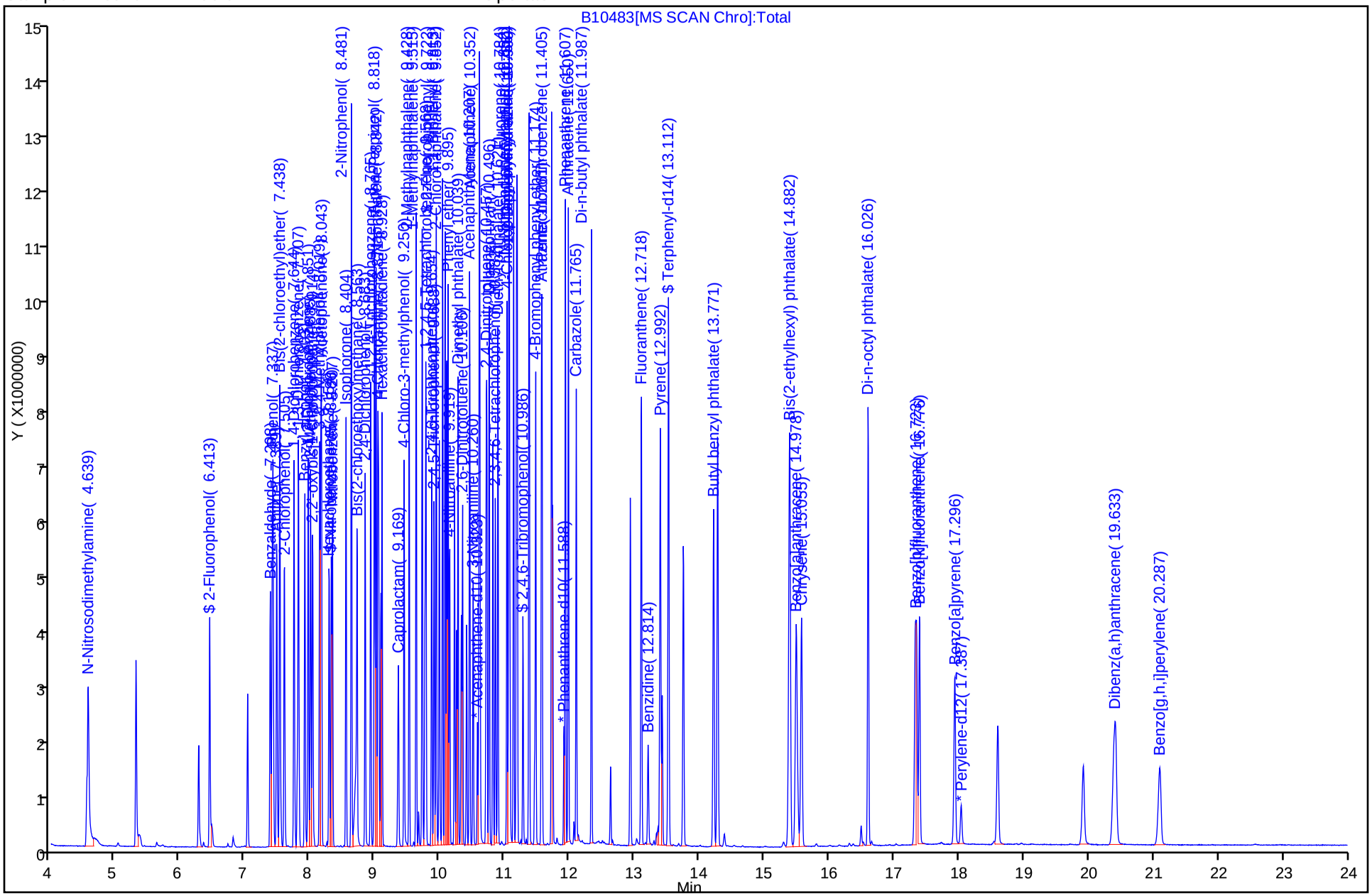
Inj Date: 22-Sep-2009 19:10:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: std10

Sample Amount: 1.00 ul Operator: MZ

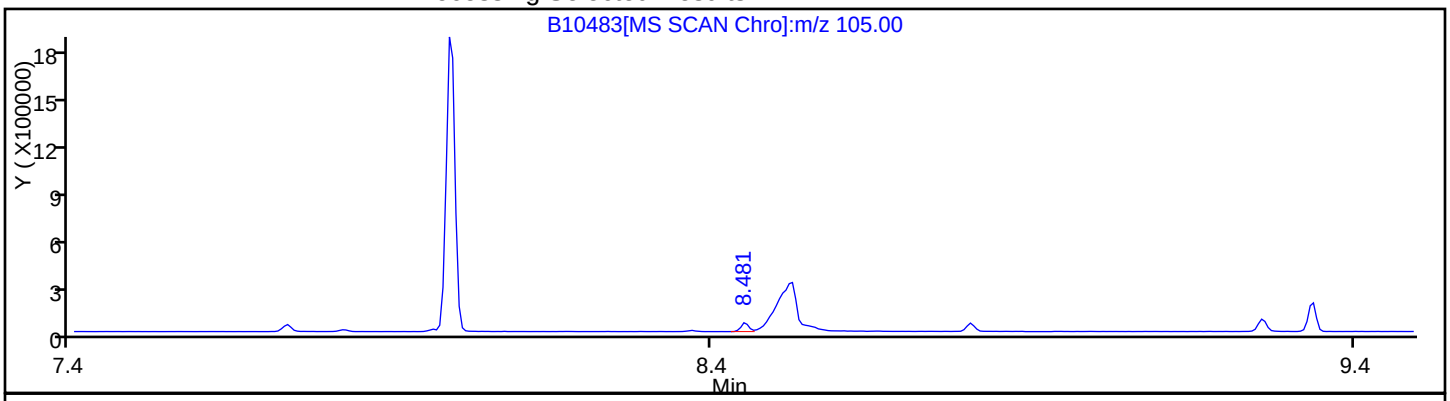


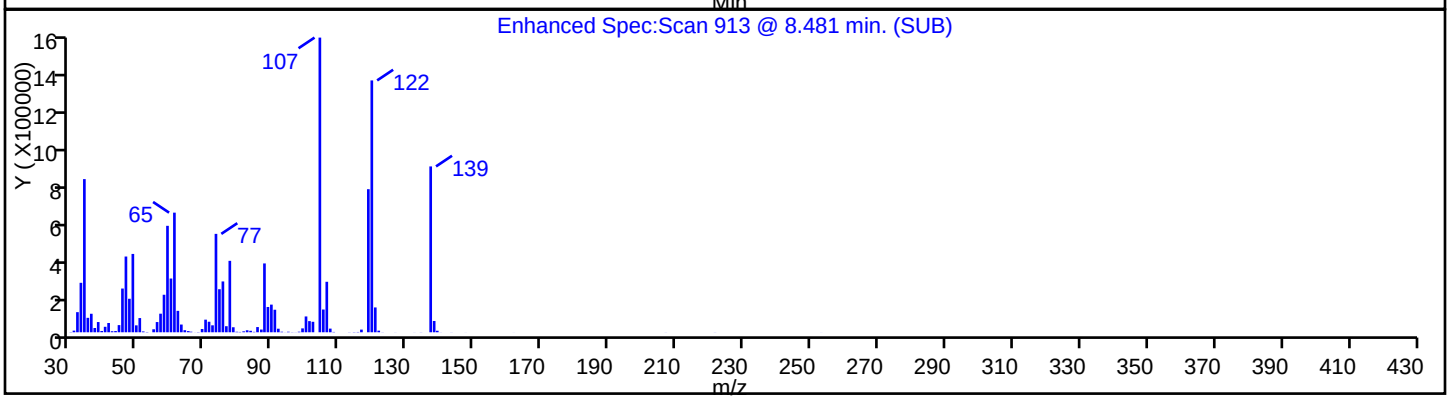
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10483.D		
Inj Date:	22-Sep-2009 19:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	1.00 ul	Operator:	MZ

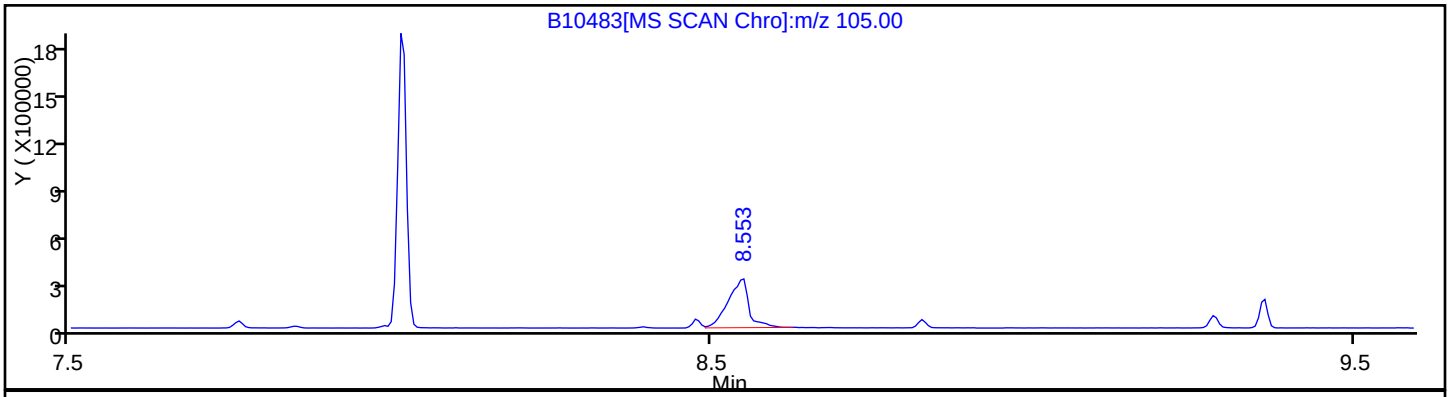
36 Benzoic acid

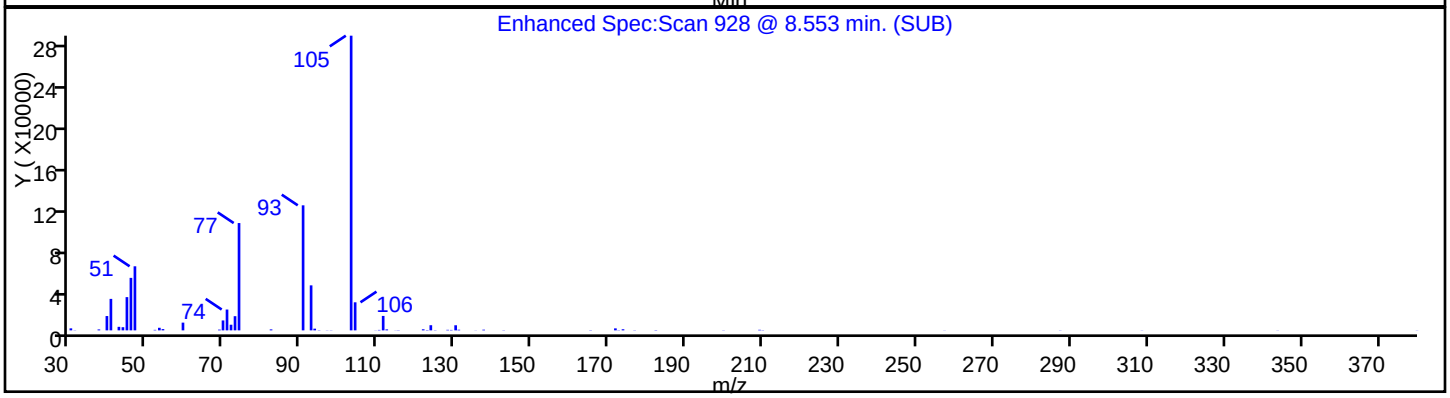
Processing Selected Results





Manual Selected Results





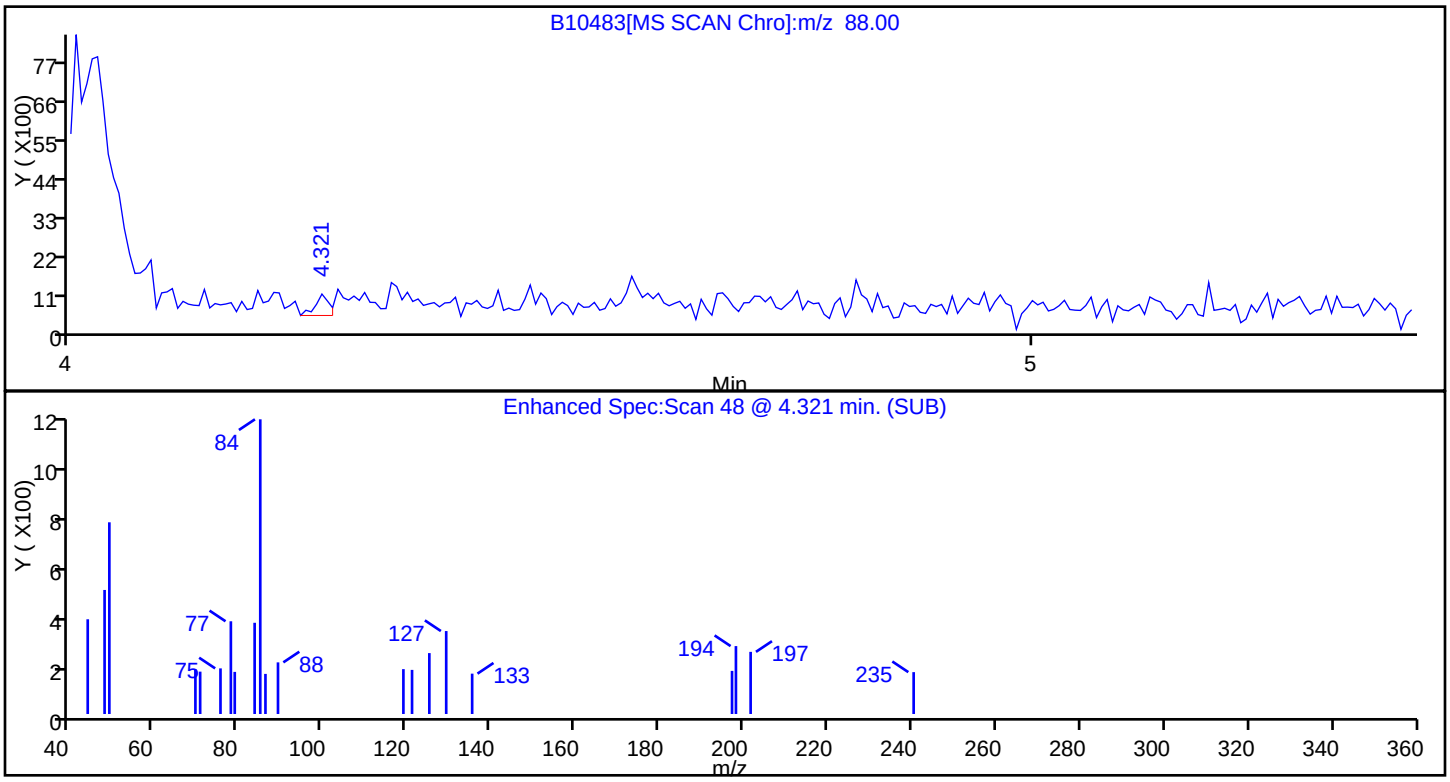
Reviewer: sullivanp, 24-Sep-2009 10:58:41
Audit Action: Selected Alternate Hit
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10483.D		
Inj Date:	22-Sep-2009 19:10:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	1.00 ul	Operator:	MZ

14 1,4-Dioxane

Processing Results



RT	Mass	Response	Amount
4.32	88.00	527	10.000000
4.32	58.00	39	

Reviewer: sullivanp, 24-Sep-2009 10:58:41
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Lims ID:	std20	Client ID:	
Inject. Date:	22-Sep-2009 19:41:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	std20		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49400	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:33:53	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:06:32
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:15:47
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:33:53

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.695	7.692	0.003	298728	2.00	
* 2 Naphthalene-d8	136	8.825	8.823	0.002	1672832	2.00	
* 3 Acenaphthene-d10	164	10.325	10.323	0.002	367730	2.00	
* 4 Phenanthrene-d10	188	11.585	11.583	0.002	604389	2.00	
* 5 Chrysene-d12	240	15.004	14.997	0.007	455557	2.00	
* 6 Perylene-d12	264	17.390	17.382	0.008	318850	2.00	
$ 7 2-Fluorophenol	112	6.411	6.409	0.003	2151026	29.8	5
$ 8 Phenol-d5	99	7.330	7.322	0.008	2663045	26.1	5
$ 9 Nitrobenzene-d5	82	8.190	8.188	0.002	2516367	11.9	5
$ 10 2-Fluorobiphenyl	172	9.724	9.717	0.007	4843890	19.9	
$ 11 2,4,6-Tribromophenol	330	10.994	10.986	0.008	486964	21.6	5
$ 12 Terphenyl-d14	244	13.115	13.112	0.003	3862214	21.3	5
15 N-Nitrosodimethylamine	42	4.627	4.615	0.012	1410514	25.4	5
16 Pyridine	79	4.632	4.634	-0.002	1844641	28.0	5
17 Benzaldehyde	105	7.301	7.293	0.008	1432711	25.7	5
18 Phenol	94	7.344	7.337	0.007	2767825	25.8	5
19 Aniline	93	7.397	7.390	0.007	3227695	25.8	5
20 Bis(2-chloroethyl)ether	93	7.435	7.433	0.002	2226348	26.1	5
21 2-Chlorophenol	128	7.507	7.500	0.007	2328210	25.7	5
22 1,4-Dichlorobenzene	146	7.647	7.644	0.003	2771429	24.4	5
23 1,3-Dichlorobenzene	146	7.709	7.707	0.002	2877638	25.0	5
24 Benzyl alcohol	79	7.806	7.798	0.008	2005421	29.5	5
25 1,2-Dichlorobenzene	146	7.854	7.851	0.003	2630495	29.7	5
26 2-Methylphenol	108	7.887	7.885	0.002	2130186	25.8	5
27 2,2'-oxybis[1-chloropropane]	45	7.916	7.914	0.002	3689583	28.8	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.022	8.015	0.007	2254767	26.4	5
29 N-Nitrosodi-n-propylamine	70	8.041	8.029	0.012	1674408	29.4	5
30 Acetophenone	105	8.051	8.044	0.007	3154851	25.6	5
31 Hexachloroethane	117	8.157	8.154	0.003	1034231	25.8	5
32 Nitrobenzene	77	8.210	8.202	0.008	2489024	12.0	5
33 Isophorone	82	8.407	8.399	0.008	4131187	12.2	5
34 2-Nitrophenol	139	8.484	8.481	0.003	1402509	15.4	
35 2,4-Dimethylphenol	107	8.484	8.481	0.003	2399084	20.1	5
36 Benzoic acid	105	8.570	8.515	0.055	1364863	12.5	5
37 Bis(2-chloroethoxy)methane	93	8.570	8.563	0.007	2486864	11.7	5
38 2,4-Dichlorophenol	162	8.686	8.683	0.003	1937396	12.4	5
39 1,2,4-Trichlorobenzene	180	8.767	8.765	0.002	2168029	20.1	5
40 Alpha-Terpineol	59	8.820	8.813	0.007	2135810	12.1	5
41 Naphthalene	128	8.844	8.842	0.002	6123960	12.2	5
42 4-Chloroaniline	127	8.873	8.866	0.007	2933841	12.4	5
43 Hexachlorobutadiene	225	8.931	8.928	0.003	1141386	14.0	5
44 Caprolactam	55	9.186	9.150	0.036	1022296	20.0	
45 4-Chloro-3-methylphenol	107	9.258	9.246	0.012	2011945	12.9	5
46 2-Methylnaphthalene	142	9.431	9.428	0.003	4516979	11.0	5
47 1-Methylnaphthalene	142	9.518	9.515	0.003	4422483	13.1	5
48 Hexachlorocyclopentadiene	237	9.556	9.553	0.003	800869	20.5	5
49 1,2,4,5-Tetrachlorobenzene	216	9.570	9.568	0.002	1862259	13.6	5
50 2,4,6-Trichlorophenol	196	9.657	9.654	0.003	1317921	21.0	5
51 2,4,5-Trichlorophenol	196	9.695	9.688	0.007	1383001	20.9	5
52 1,1'-Biphenyl	154	9.816	9.813	0.003	5038850	19.8	
53 2-Chloronaphthalene	162	9.854	9.847	0.007	4865342	20.3	5
54 Phenyl ether	170	9.897	9.895	0.002	2967103	11.5	5
68 4-Nitroaniline	138	9.921	9.914	0.007	1533798	20.9	5
56 Dimethyl phthalate	163	10.047	10.034	0.012	4689070	20.9	5
57 2,6-Dinitrotoluene	165	10.109	10.102	0.007	1174146	21.8	5
58 Acenaphthylene	152	10.210	10.207	0.003	6179998	20.3	5
59 3-Nitroaniline	138	10.268	10.256	0.012	1118616	20.8	5
60 2,4-Dinitrophenol	184	10.349	10.342	0.007	445852	19.9	
61 Acenaphthene	153	10.354	10.352	0.002	4478559	20.9	5
62 4-Nitrophenol	109	10.369	10.357	0.012	688447	21.0	5
63 2,4-Dinitrotoluene	165	10.455	10.448	0.007	1575934	21.2	5
64 Dibenzofuran	168	10.499	10.491	0.008	5548087	19.8	
65 2,3,4,6-Tetrachlorophenol	232	10.590	10.583	0.007	1011550	21.0	5
66 Diethyl phthalate	149	10.624	10.621	0.003	4799880	20.6	5
67 4-Chlorophenyl phenyl ether	204	10.758	10.756	0.002	2284783	22.1	5
55 2-Nitroaniline	65	10.787	10.775	0.012	1299915	20.7	5
69 Fluorene	166	10.787	10.785	0.002	4907207	20.9	5
70 4,6-Dinitro-2-methylphenol	198	10.801	10.794	0.007	656364	19.9	
71 Diphenylamine	169	10.854	10.847	0.007	4182249	21.6	5
72 N-Nitrosodiphenylamine	169	10.854	10.847	0.007	4182249	21.6	5
73 1,2-Diphenylhydrazine	77	10.893	10.890	0.003	7664189	22.0	5
74 Azobenzene	77	10.893	10.890	0.003	7664189	22.0	5
13 Benzophenone	105	10.907	10.900	0.007	4897728	23.2	5
75 4-Bromophenyl phenyl ether	248	11.177	11.174	0.003	1211232	22.3	5
76 Hexachlorobenzene	284	11.258	11.256	0.002	1121617	21.6	5
77 Atrazine	200	11.273	11.265	0.008	1299048	23.5	5
78 Pentachlorophenol	266	11.412	11.410	0.002	693970	20.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	11.427	11.419	0.008	575796	21.4	5
80 Phenanthrene	178	11.609	11.607	0.002	5957230	19.1	
81 Anthracene	178	11.653	11.650	0.003	5933008	20.4	5
83 Carbazole	167	11.768	11.766	0.002	4852480	19.8	
84 Di-n-butyl phthalate	149	11.989	11.987	0.002	6657448	17.8	
87 Fluoranthene	202	12.720	12.713	0.007	5840728	21.3	5
86 Benzidine	184	12.816	12.814	0.002	1728954	19.9	
85 Pyrene	202	12.999	12.992	0.007	6156629	20.4	5
89 Butyl benzyl phthalate	149	13.773	13.771	0.002	3284068	20.9	5
91 3,3'-Dichlorobenzidine	252	14.879	14.872	0.007	1431429	21.3	5
92 Bis(2-ethylhexyl) phthalate	149	14.884	14.882	0.002	4789512	21.1	5
93 Benzo[a]anthracene	228	14.985	14.973	0.012	4309332	21.8	5
94 Chrysene	228	15.062	15.050	0.012	4041745	20.7	5
95 Di-n-octyl phthalate	149	16.029	16.026	0.003	7072263	21.0	5
97 Benzo[b]fluoranthene	252	16.745	16.728	0.017	3926119	22.1	5
98 Benzo[k]fluoranthene	252	16.784	16.771	0.013	3781266	23.3	5
99 Benzo[a]pyrene	252	17.298	17.291	0.007	3144311	23.7	5
100 Indeno[1,2,3-cd]pyrene	276	19.626	19.604	0.022	2616225	22.3	5
101 Dibenz(a,h)anthracene	278	19.650	19.633	0.017	2163270	20.6	5
102 Benzo[g,h,i]perylene	276	20.294	20.277	0.017	2116396	19.8	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 24-Sep-2009 11:33:54 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D

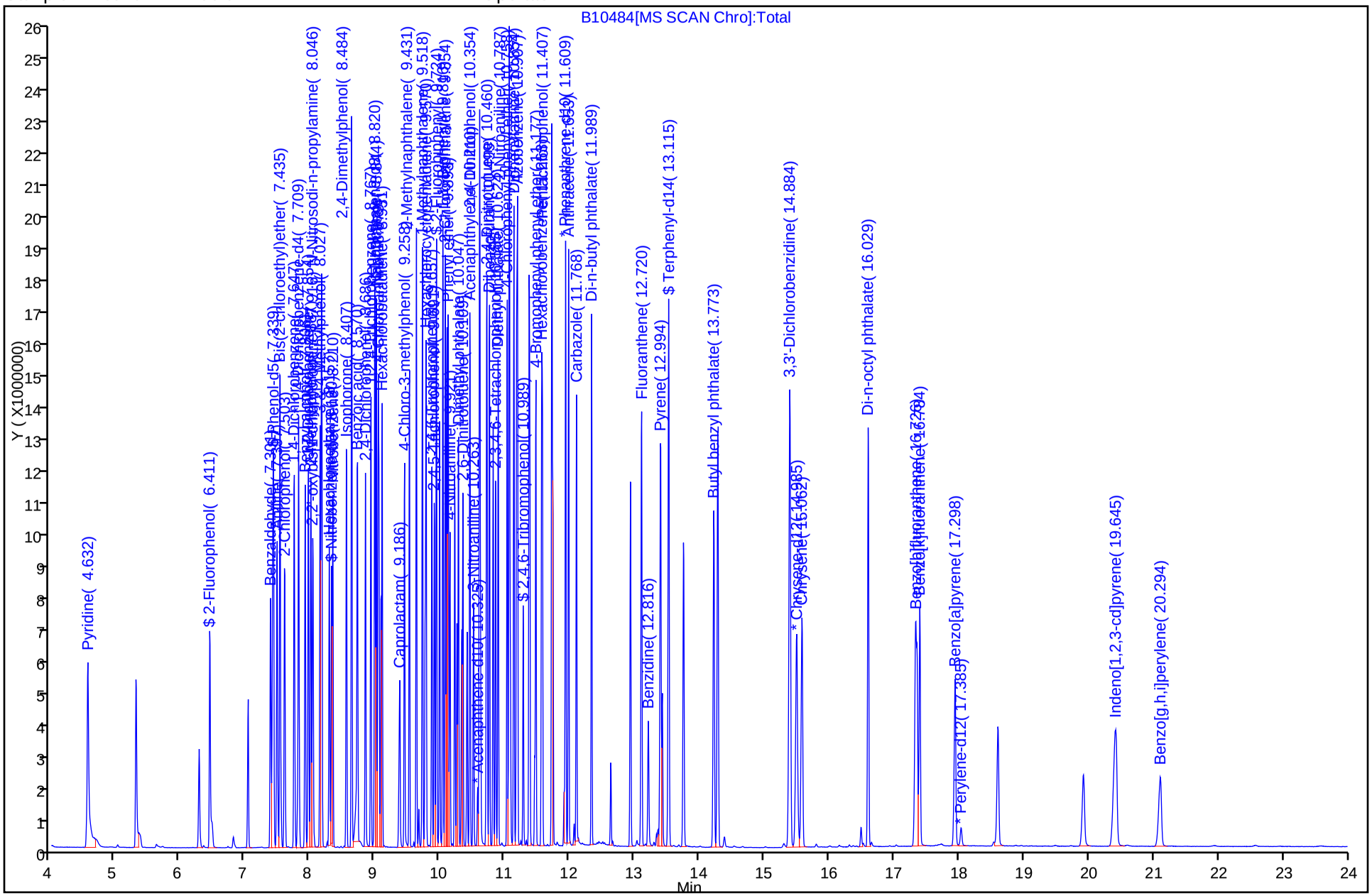
Inj Date: 22-Sep-2009 19:41:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: std20

Sample Amount: 1.00 ul Operator: MZ

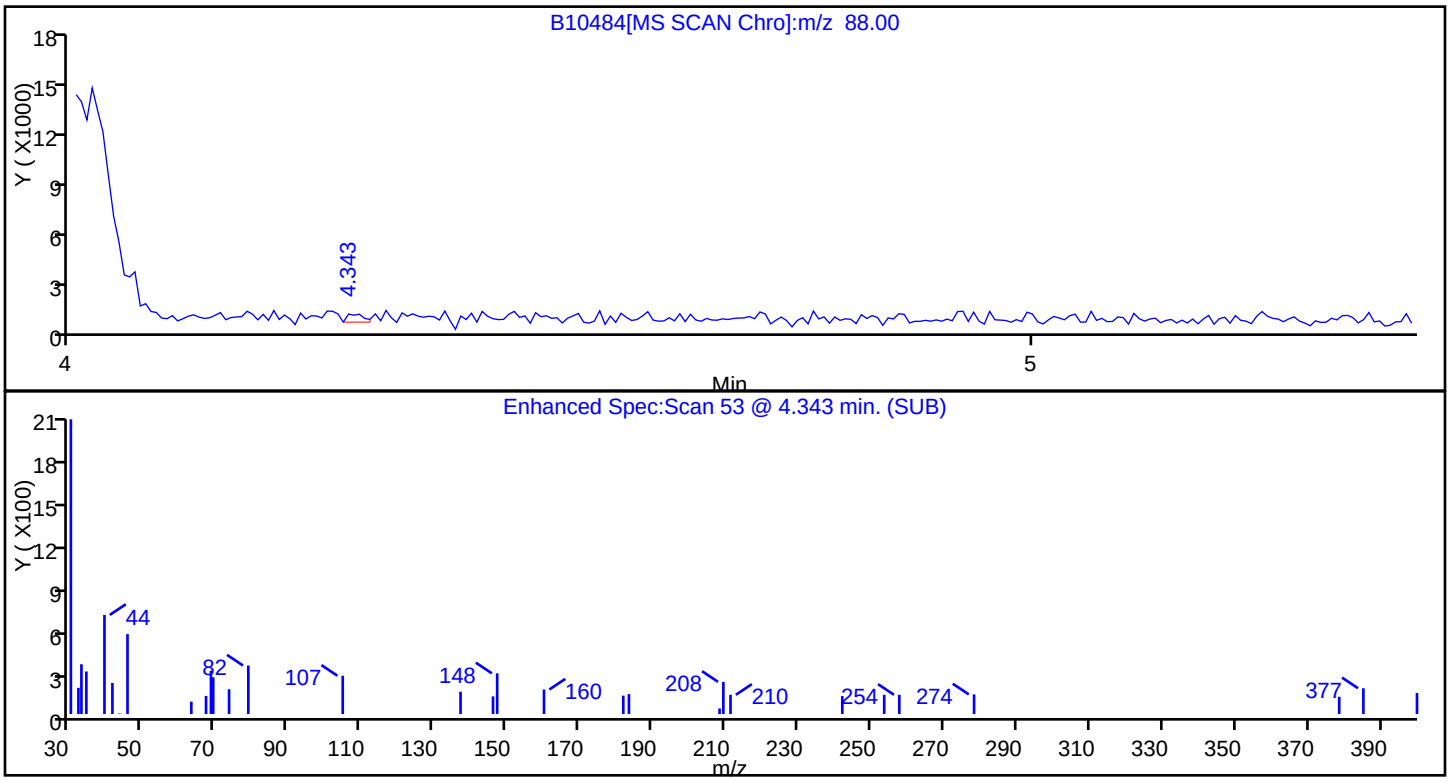


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Inj Date:	22-Sep-2009 19:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

14 1,4-Dioxane

Processing Results



RT	Mass	Response	Amount
4.34	88.00	511	20.000000
4.35	58.00	51	

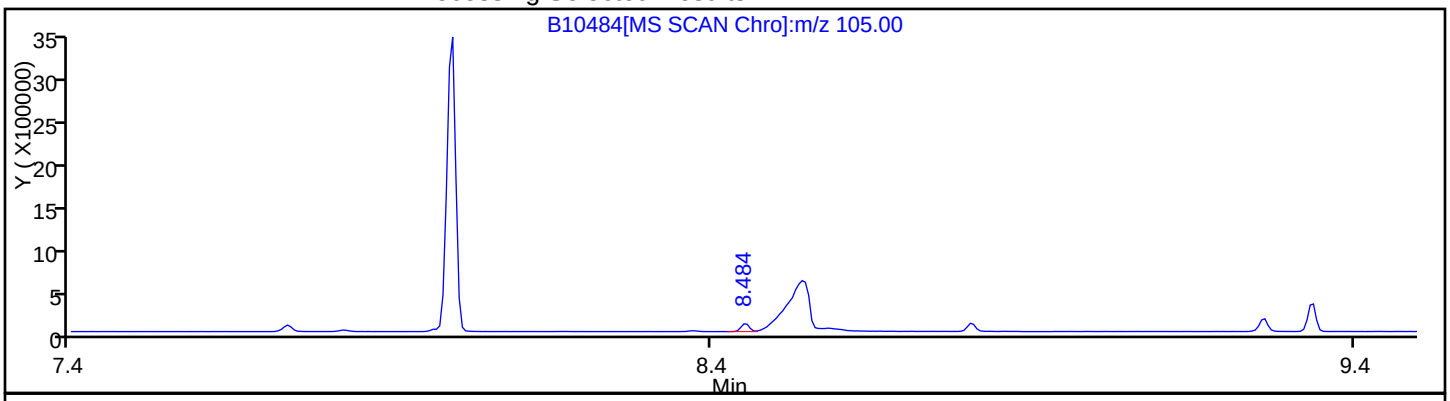
Reviewer: sullivanp, 24-Sep-2009 11:06:32
Audit Action: Marked Compound Undetected
Audit Reason:

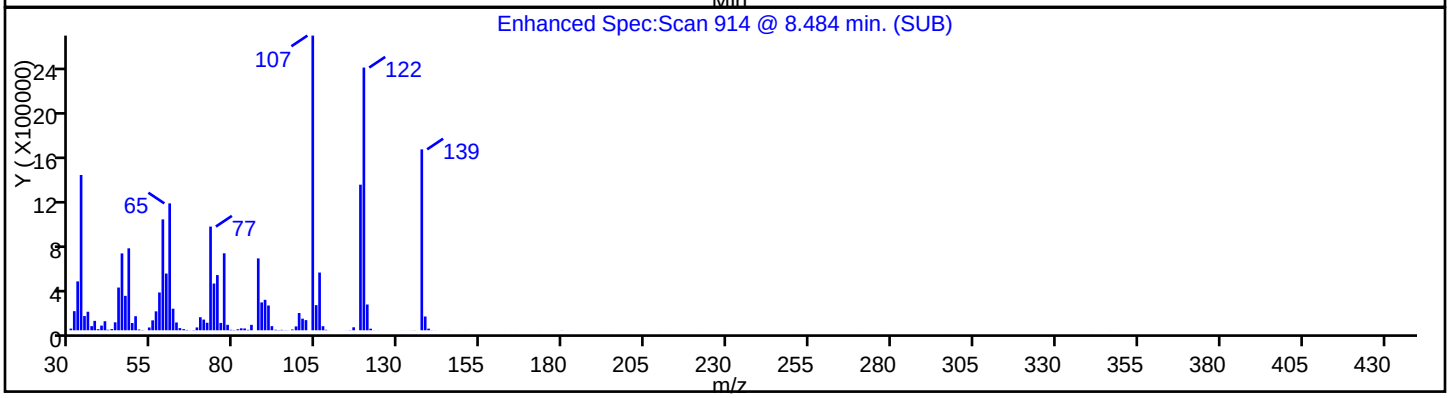
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Inj Date:	22-Sep-2009 19:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

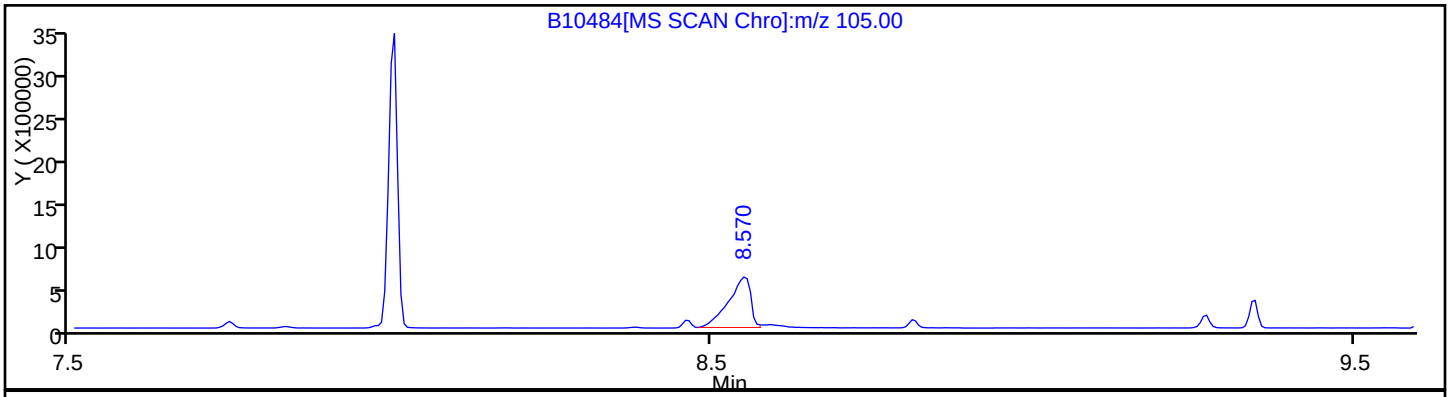
36 Benzoic acid

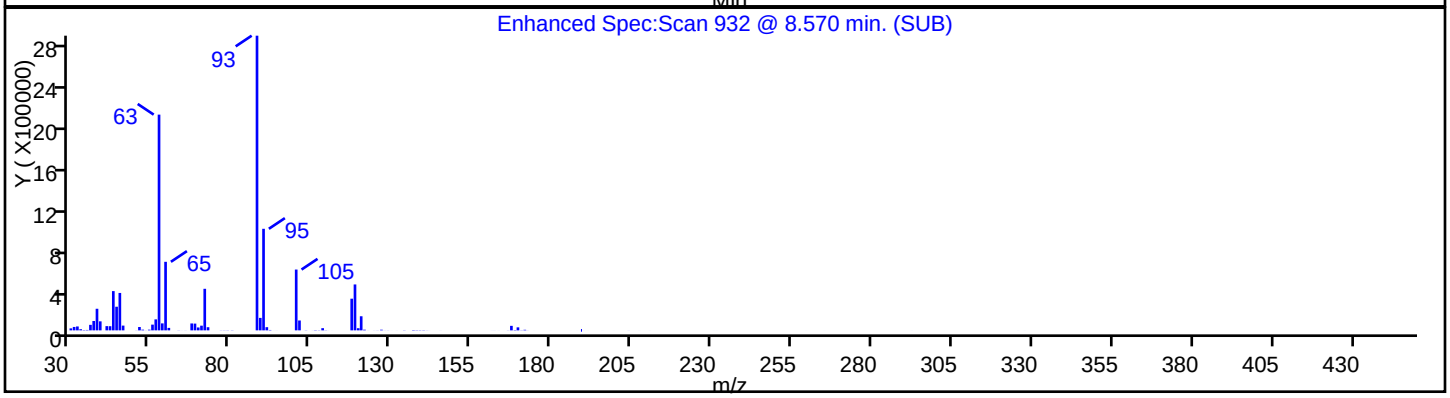
Processing Selected Results





Manual Selected Results





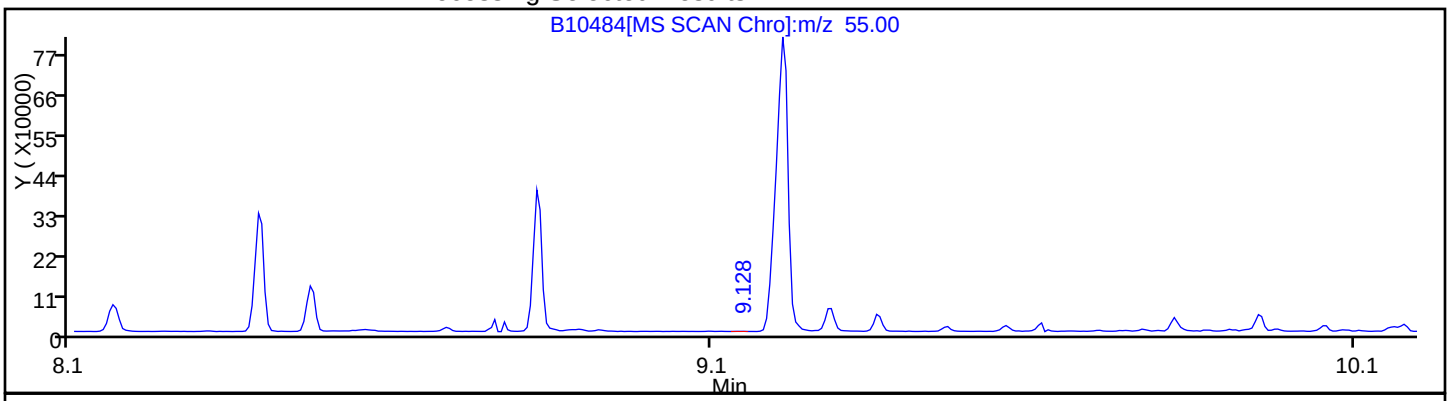
Reviewer: sullivanp, 24-Sep-2009 11:06:32
Audit Action: Selected Alternate Hit
Audit Reason:

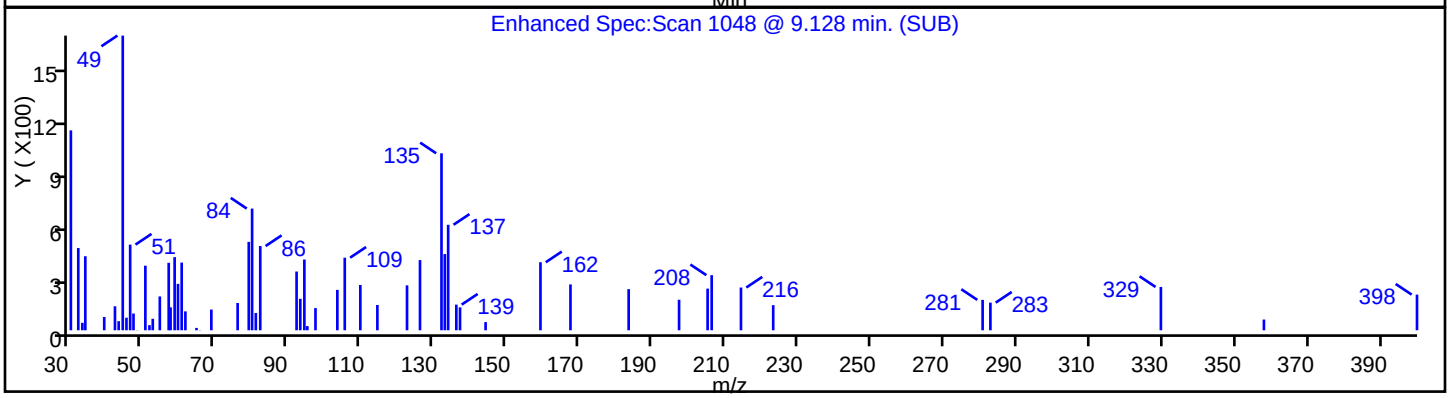
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Inj Date:	22-Sep-2009 19:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

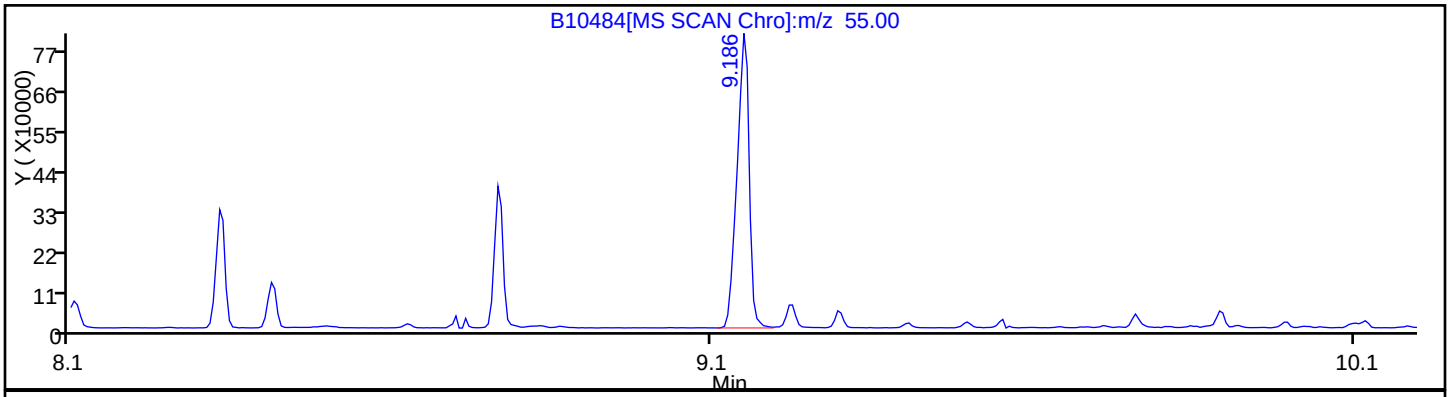
44 Caprolactam

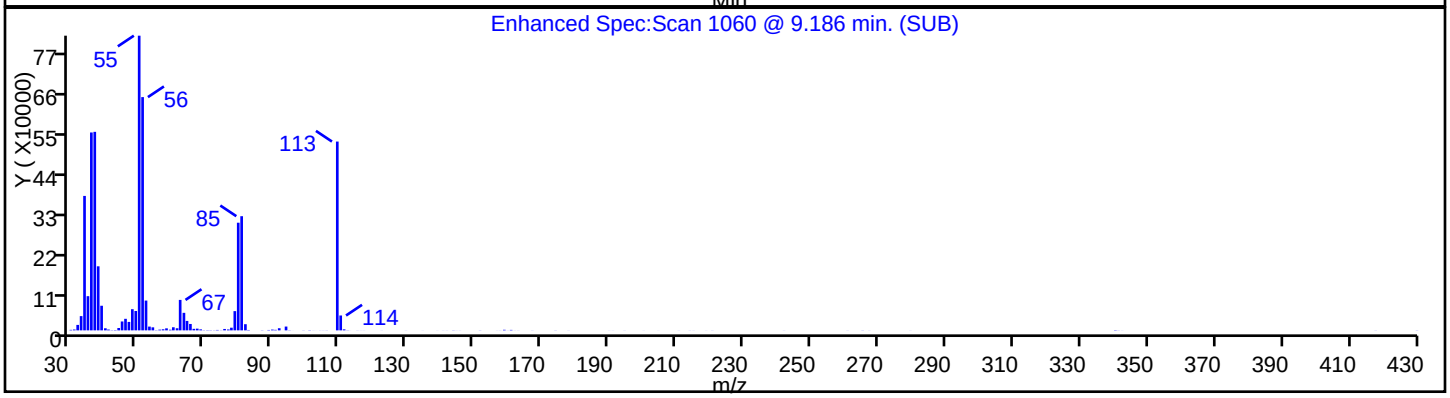
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 24-Sep-2009 11:06:32
Audit Action: Selected Alternate Hit
Audit Reason:

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

Lab Name: TestAmerica Westfield Job No.: 360-24444-2 Analy Batch No.: 49259

SDG No.: OCRI-11A

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.: 360-24444-2 Analy Batch No.: 49259

SDG No.: OCRI-11A

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.: 360-24444-2 Analy Batch No.: 49259

SDG No.: OCRI-11A

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.: 360-24444-2 Analy Batch No.: 49259

SDG No.: OCRI-11A

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.: 360-24444-2 Analy Batch No.: 49259

SDG No.: OCRI-11A

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.: 360-24444-2 Analy Batch No.: 49259

SDG No.: OCRI-11A

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.: 360-24444-2 Analy Batch No.: 49259

SDG No.: OCRI-11A

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.: 360-24444-2 Analy Batch No.: 49259

SDG No.: OCRI-11A

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.: 360-24444-2 Analy Batch No.: 49259

SDG No.: OCRI-11A

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.: 360-24444-2 Analy Batch No.: 49259

SDG No.: OCRI-11A

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

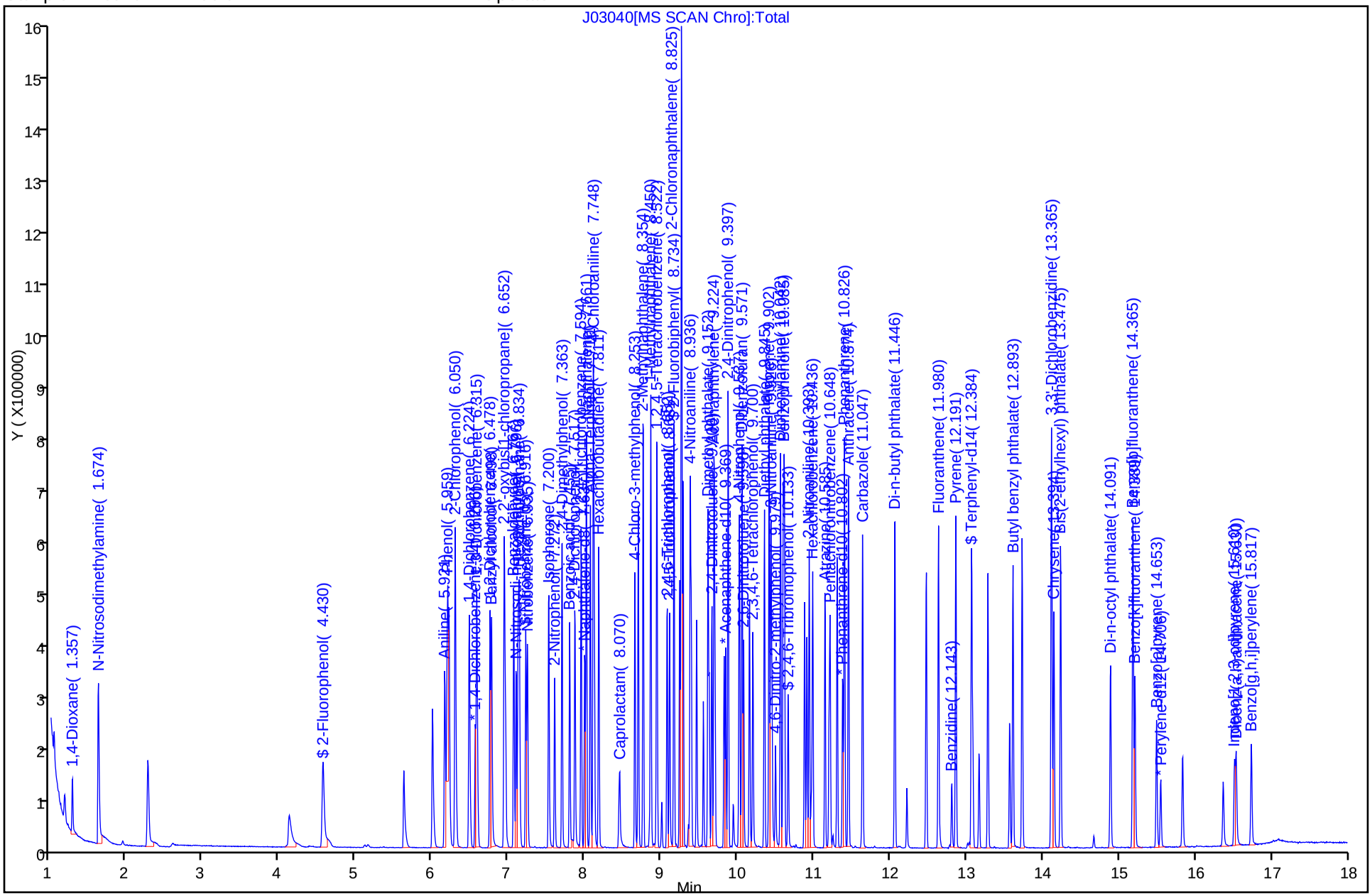
Inj Date: 21-Sep-2009 15:23:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 2

Client ID: Instrument: Inst. J

Sample Info: 5PPM

Sample Amount: 1.00 ul Operator:



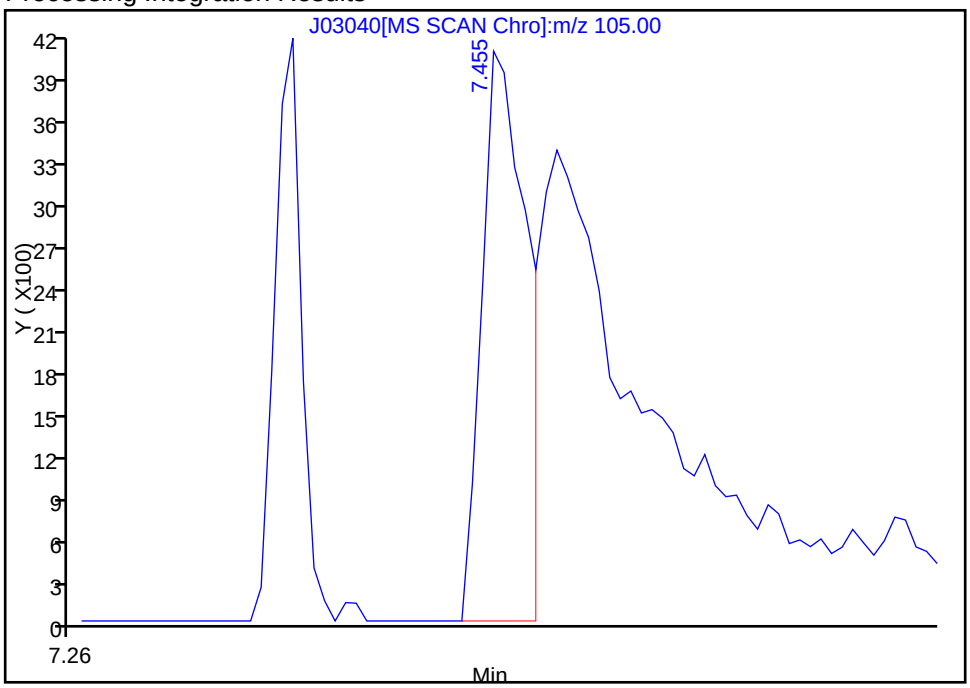
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

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

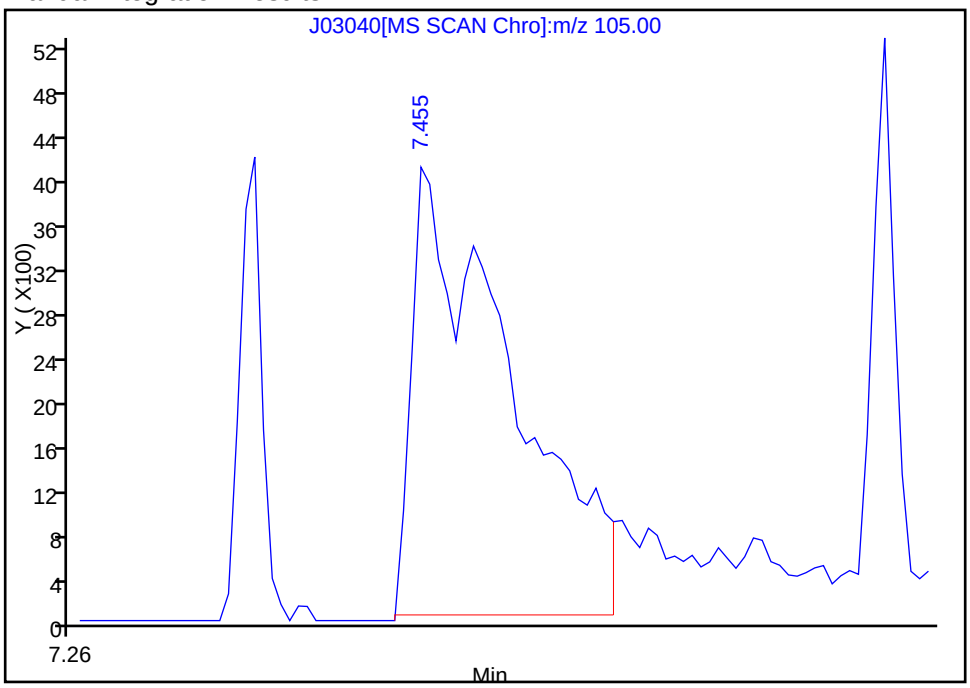
Processing Integration Results

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

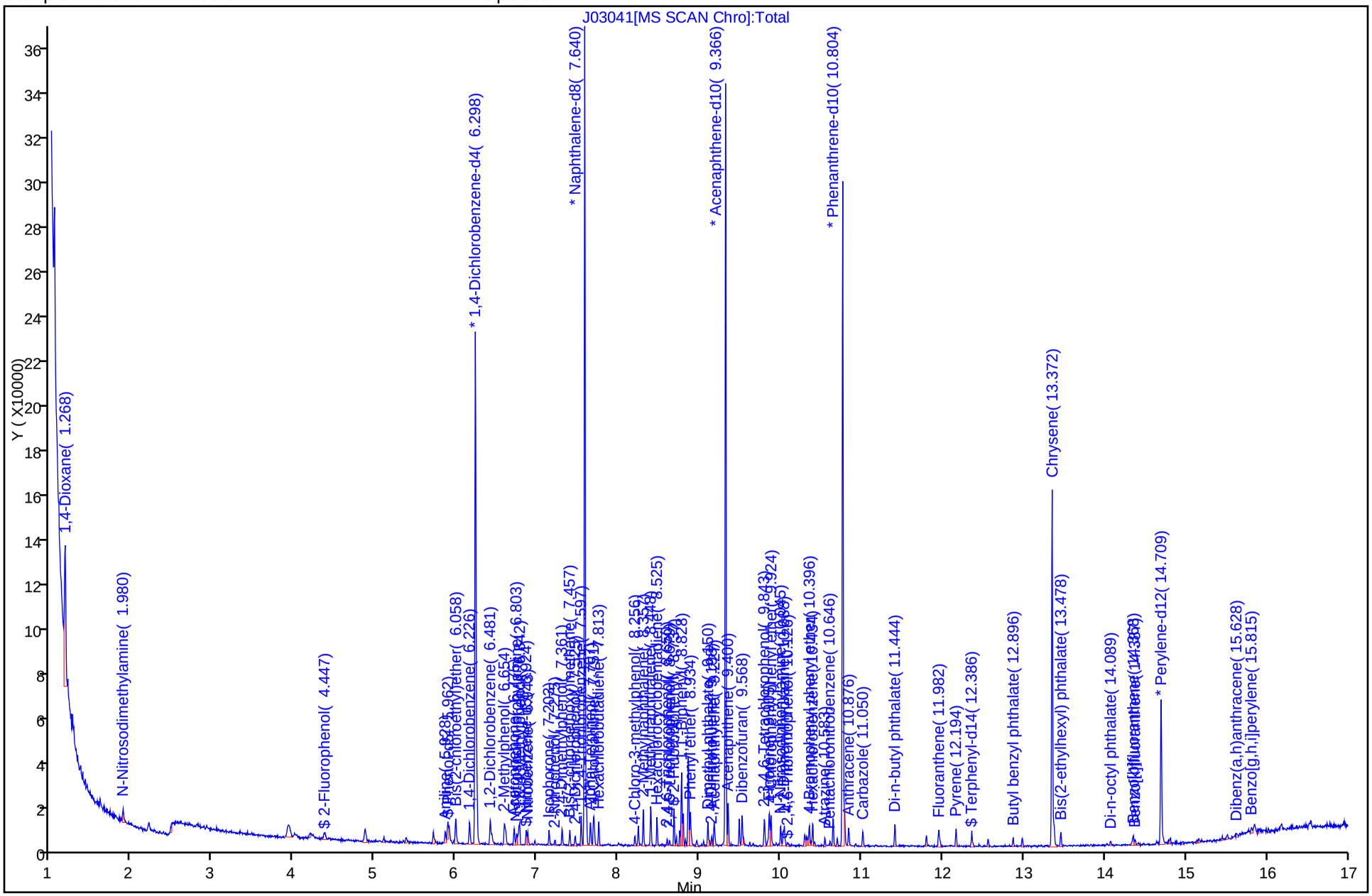
Inj Date: 21-Sep-2009 15:50:30 Limit Group: SMS - 8270LL SVOA Calibration

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

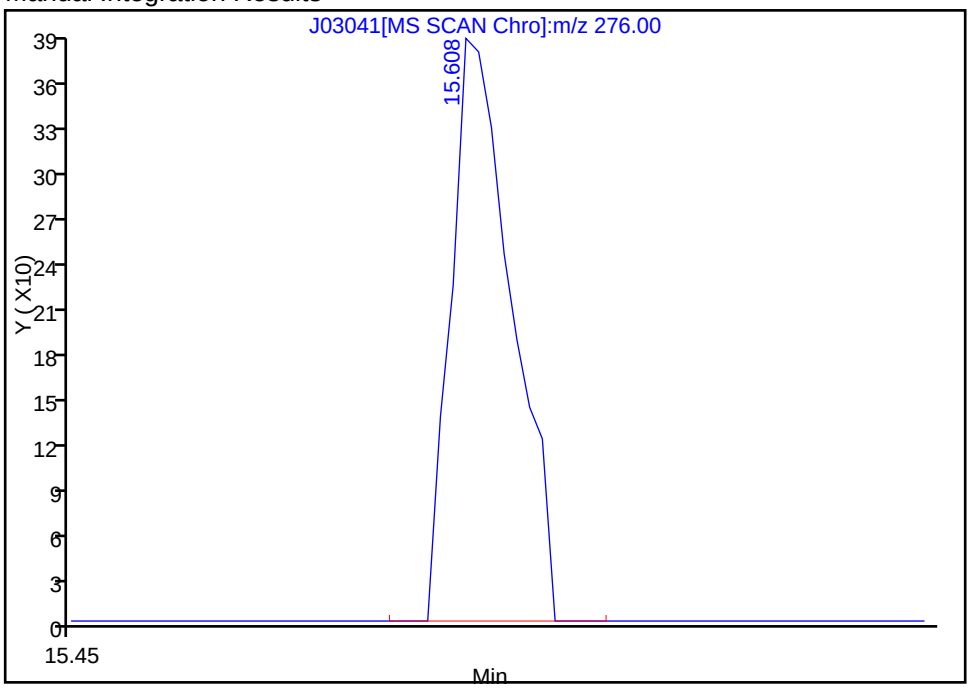
Expected RT: 15.61

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

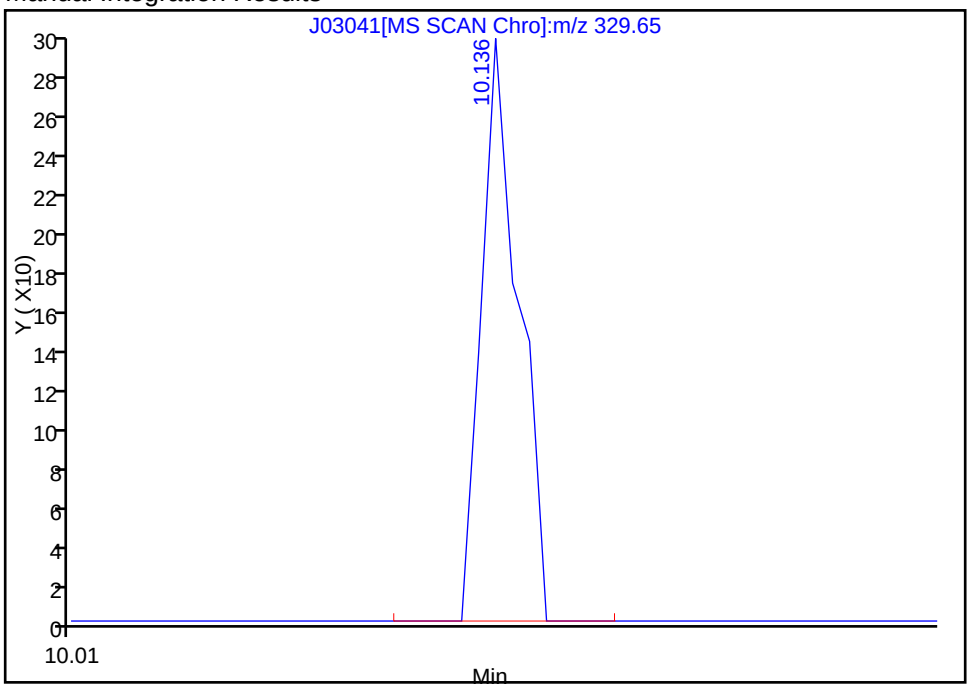
Expected RT: 10.14

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

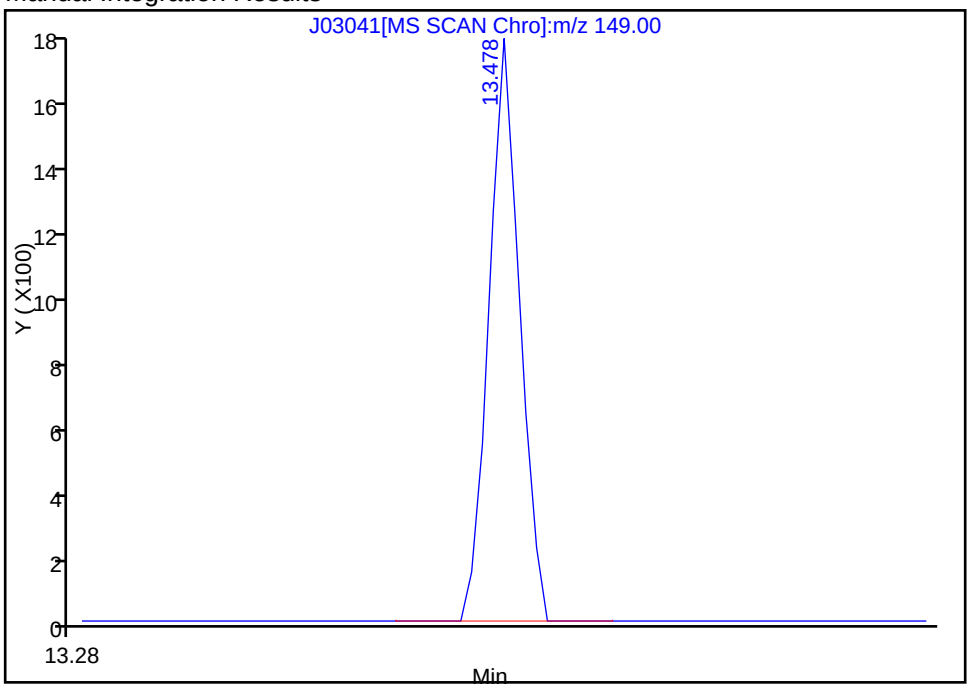
Expected RT: 13.48

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

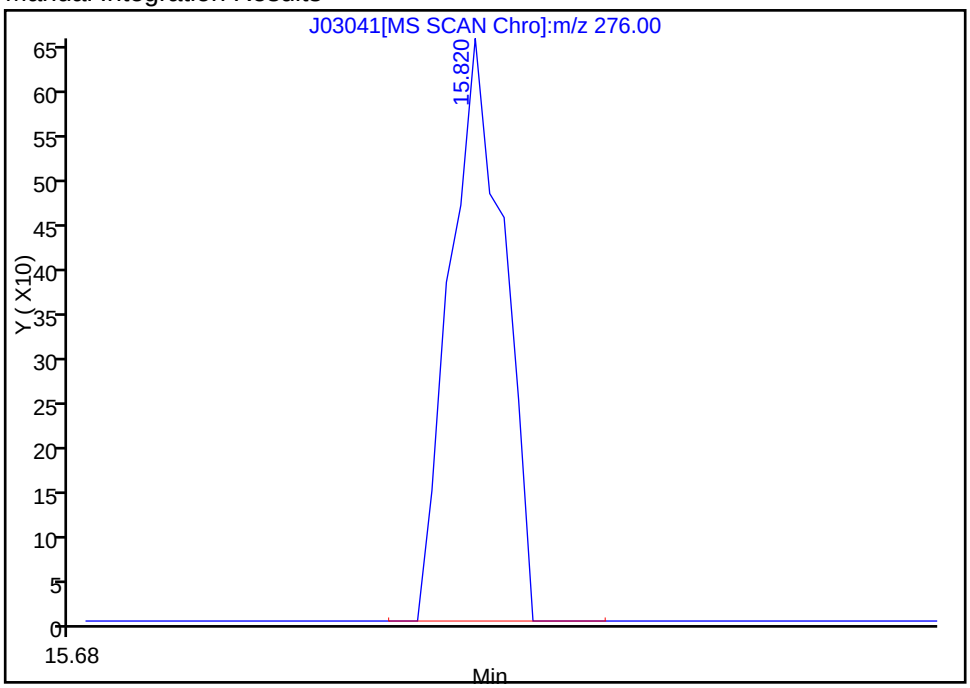
Expected RT: 15.82

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:	

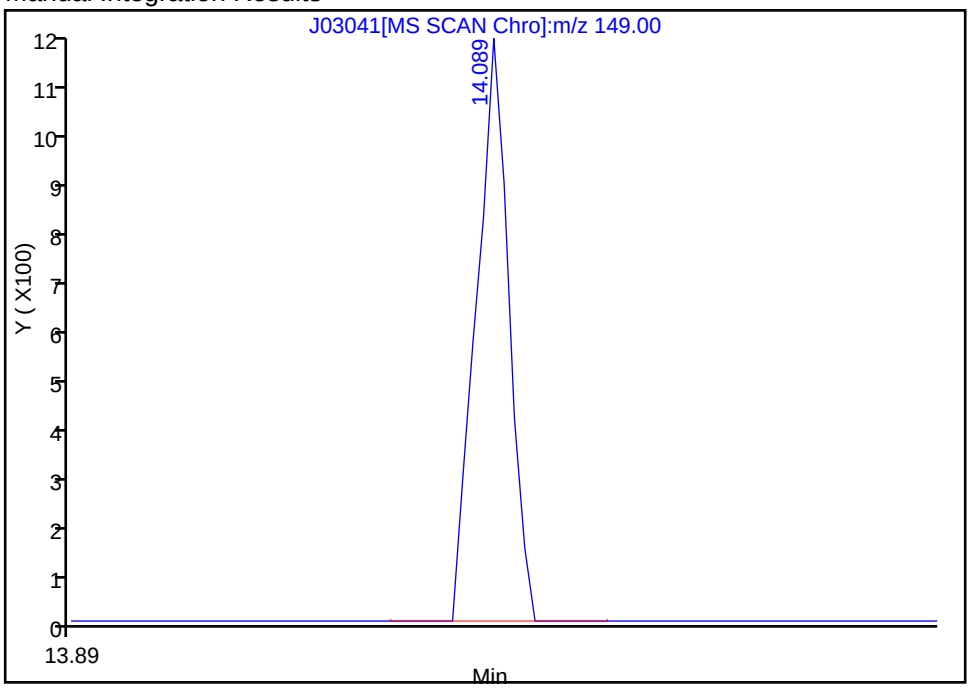
95 Di-n-octyl phthalate, Number: 1, m/z: 149 Type: quant, RT: 14.09

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

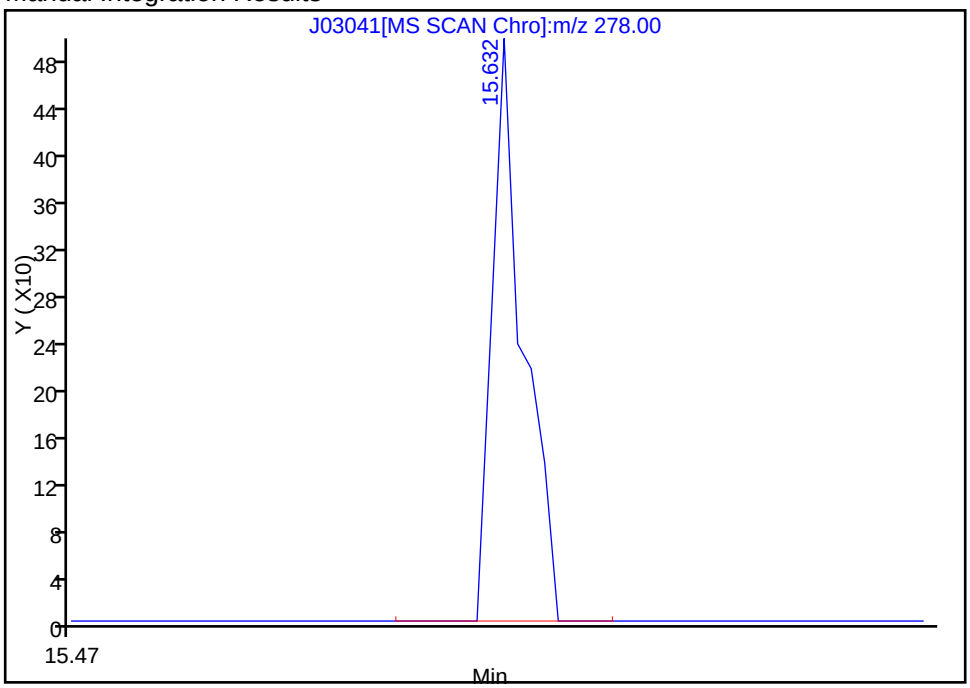
Expected RT: 15.63

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

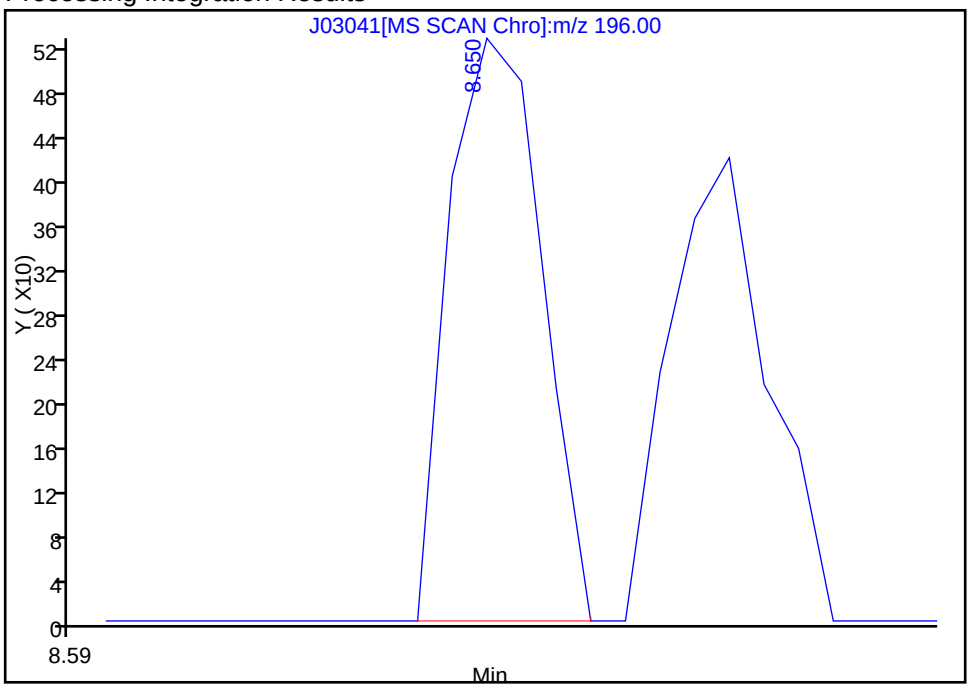
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

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

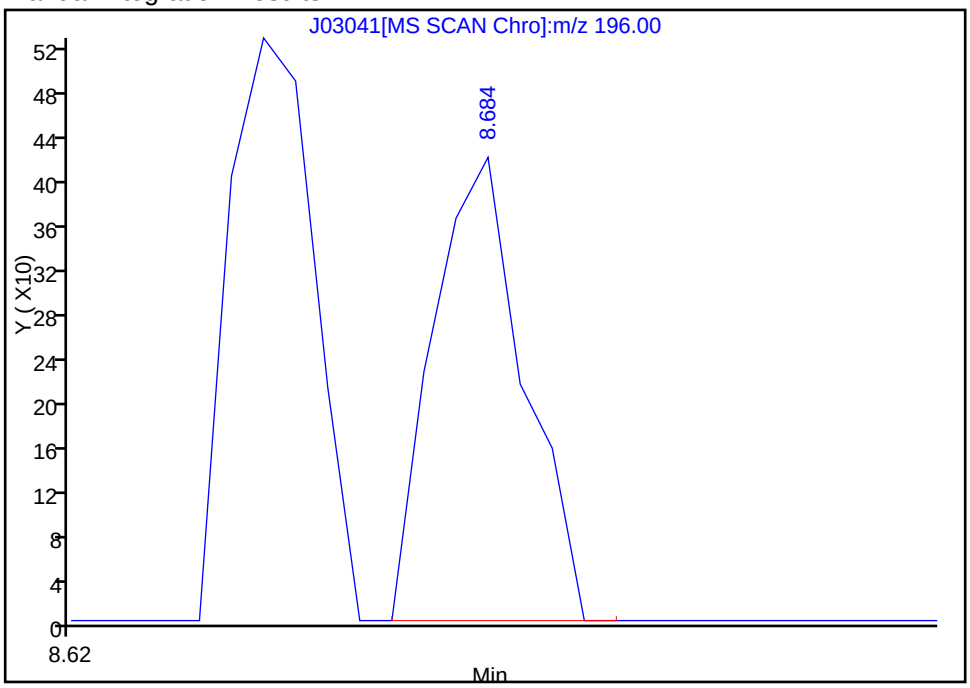
Processing Integration Results

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

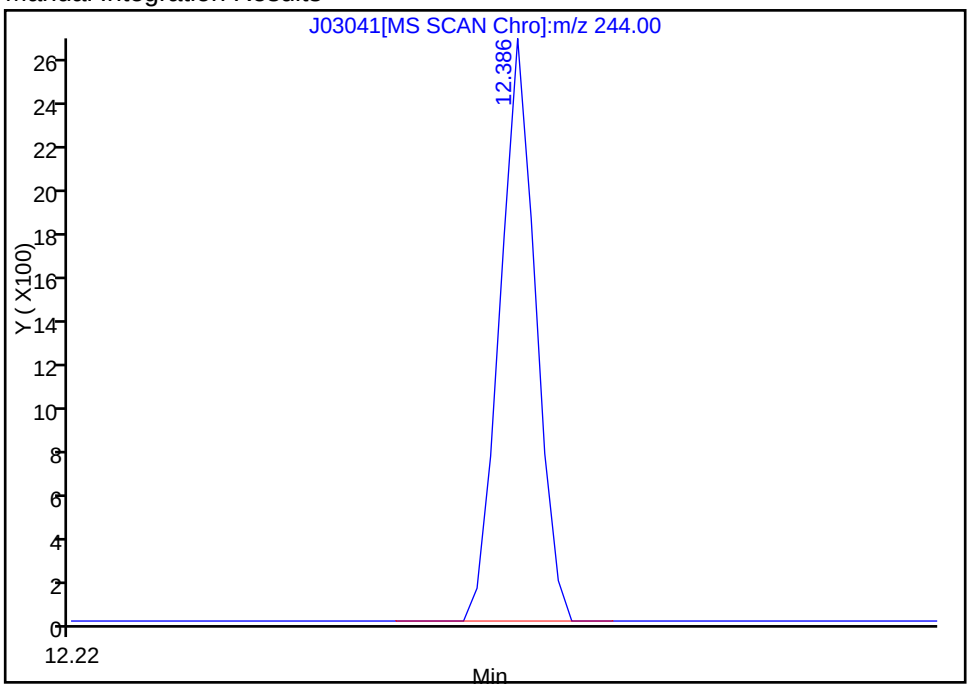
Expected RT: 12.39

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

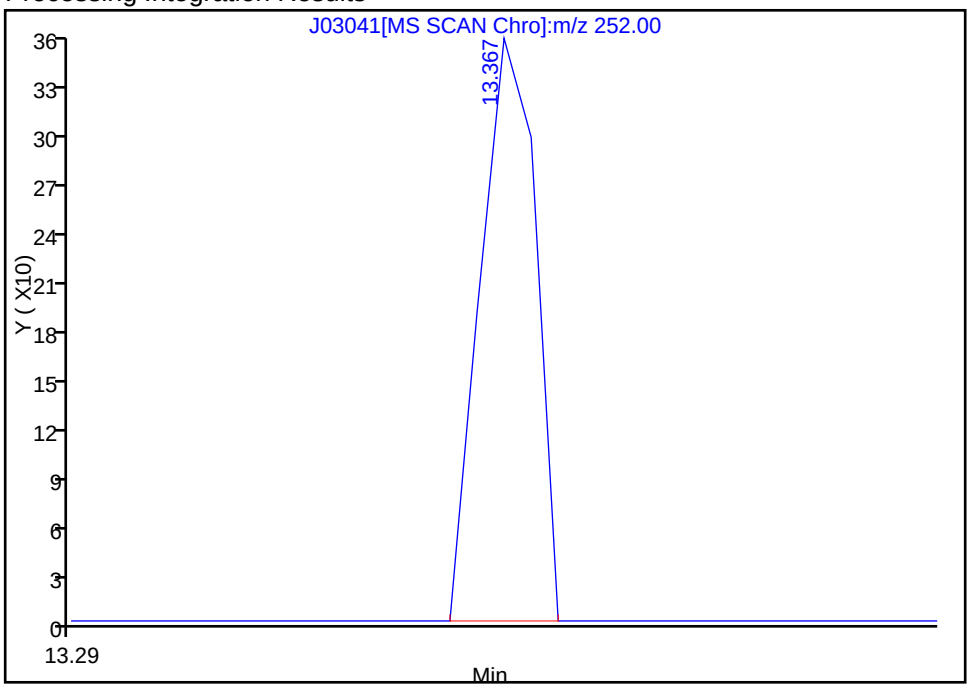
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

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

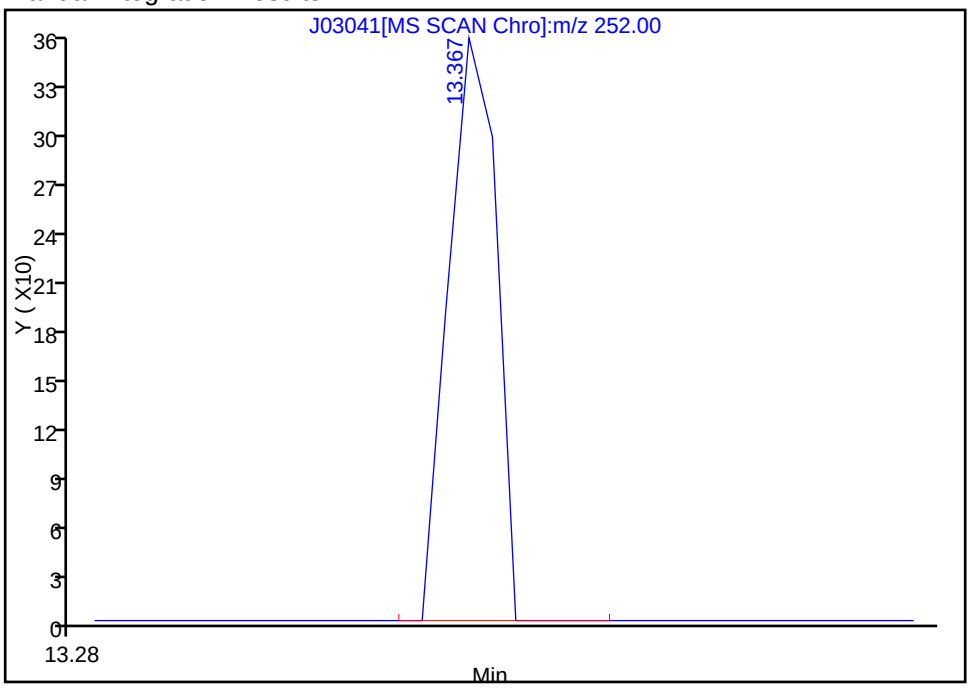
Processing Integration Results

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

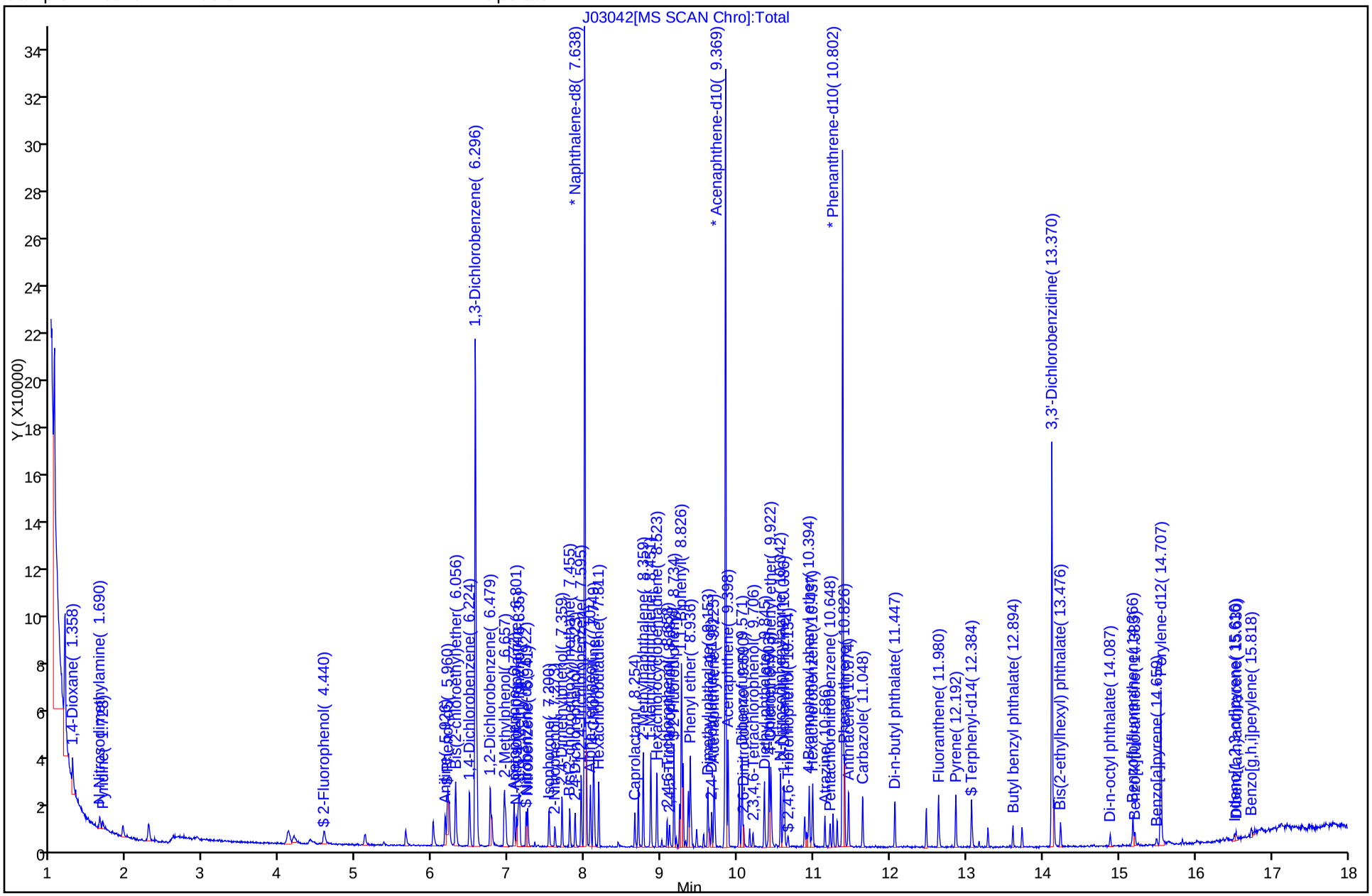
Inj Date: 21-Sep-2009 16:17:30 Limit Group: SMS - 8270LL SVOA Calibration

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

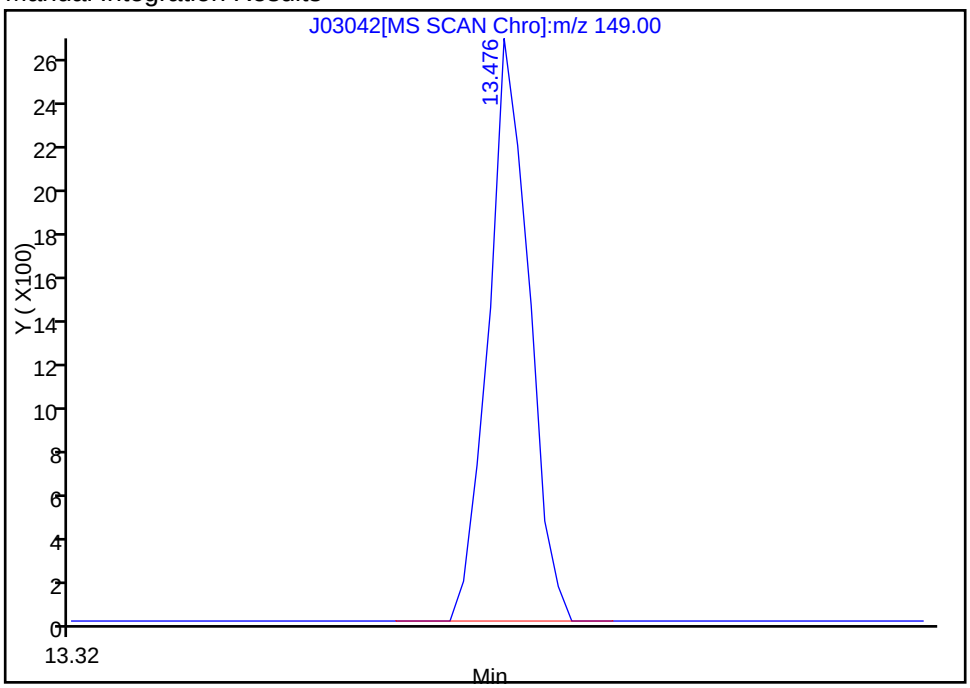
Expected RT: 13.48

Manual Integration Results

RT: 13.48

Response: 2677

Amount: 0.248356



Reviewer: sullivanp, 23-Sep-2009 14:24:54

Audit Action: Manually Integrated

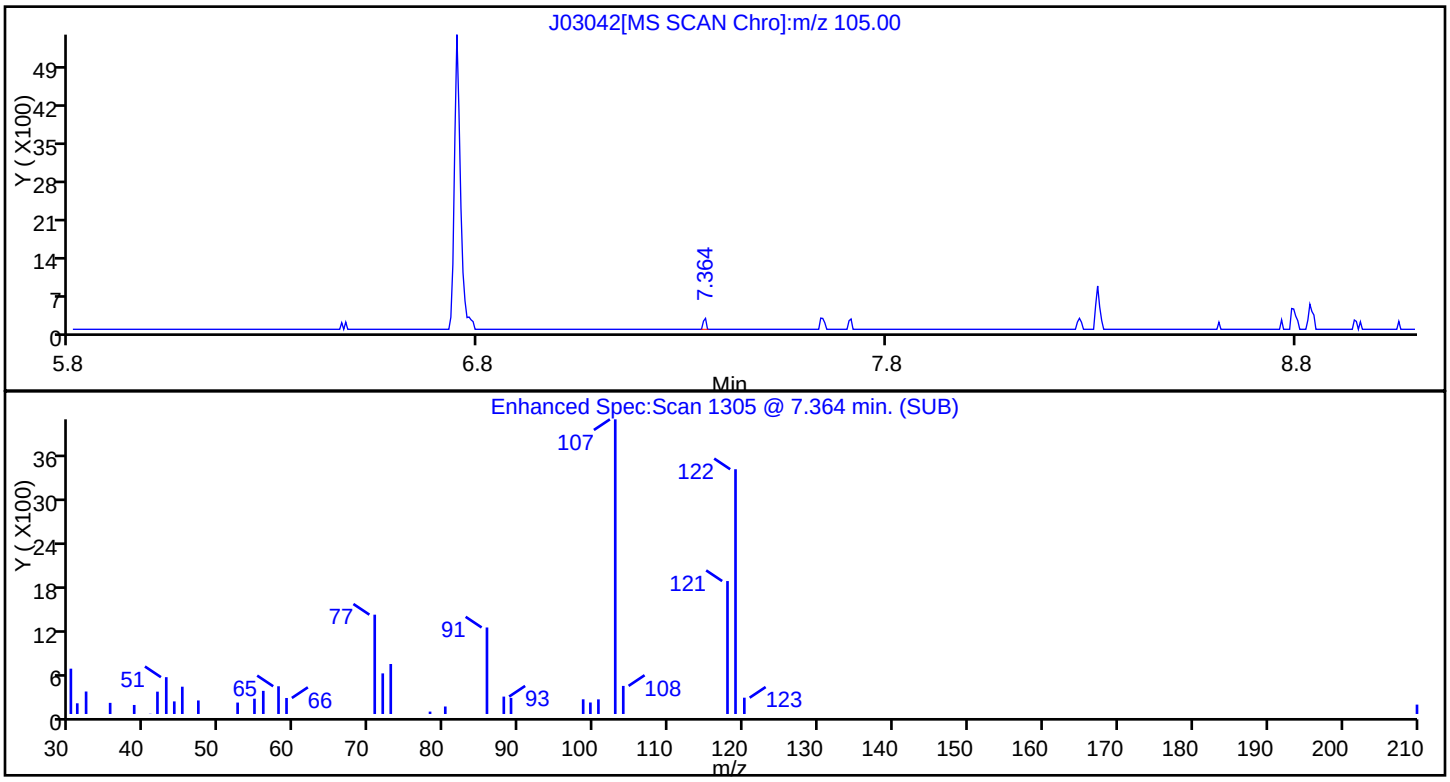
Audit Reason: Assign Peak

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:

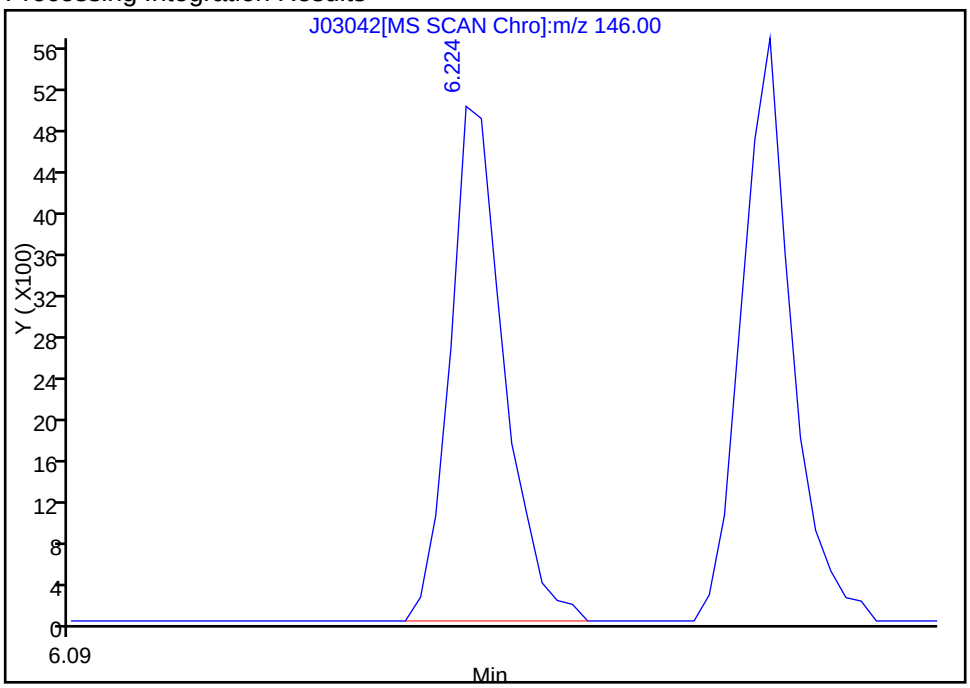
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

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

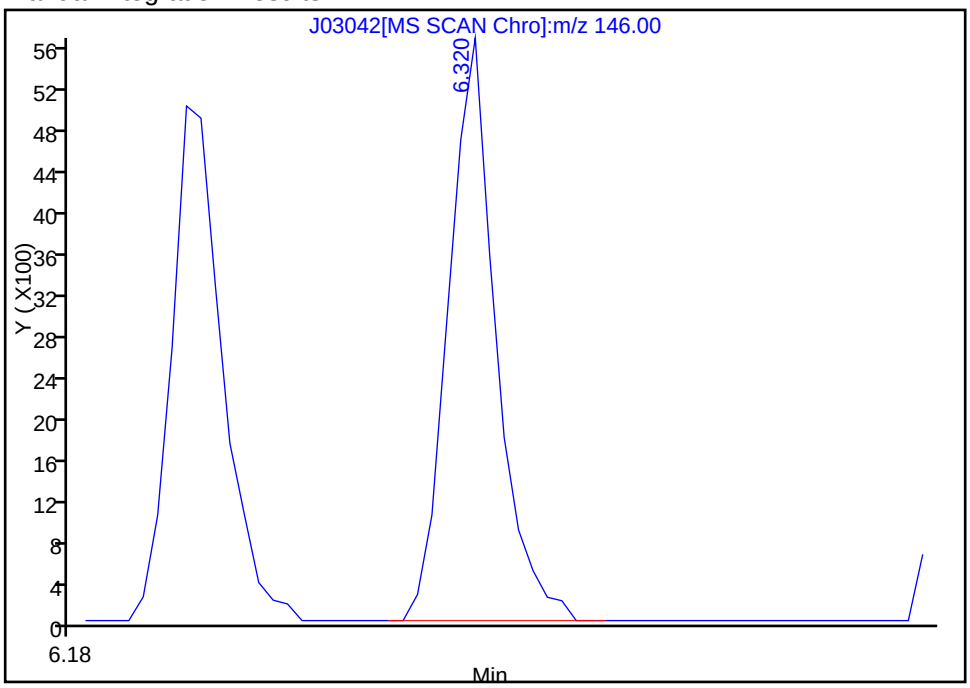
Processing Integration Results

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

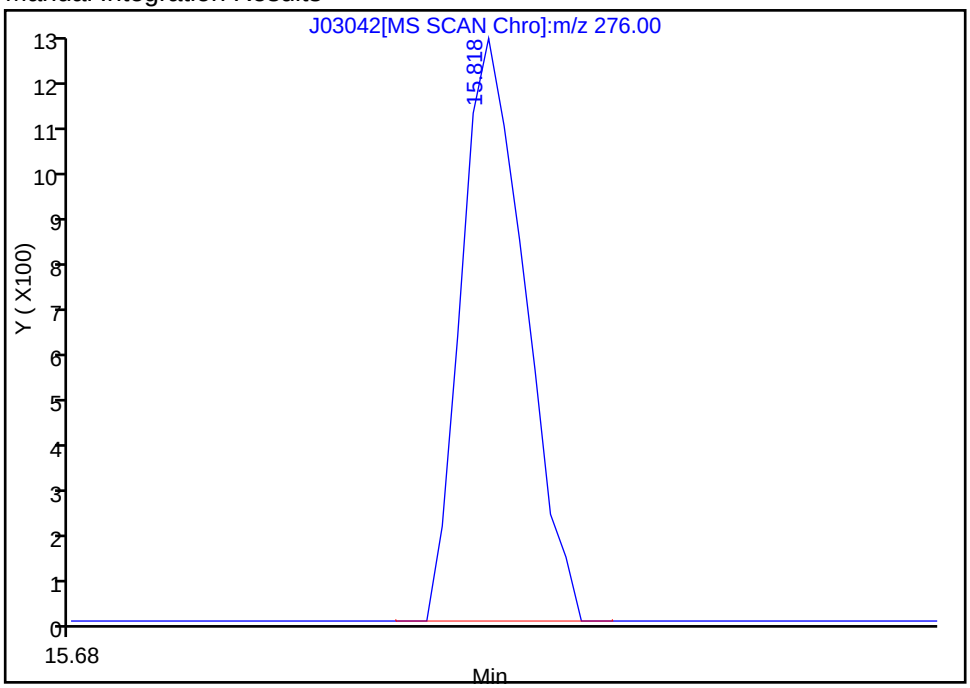
Expected RT: 15.82

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

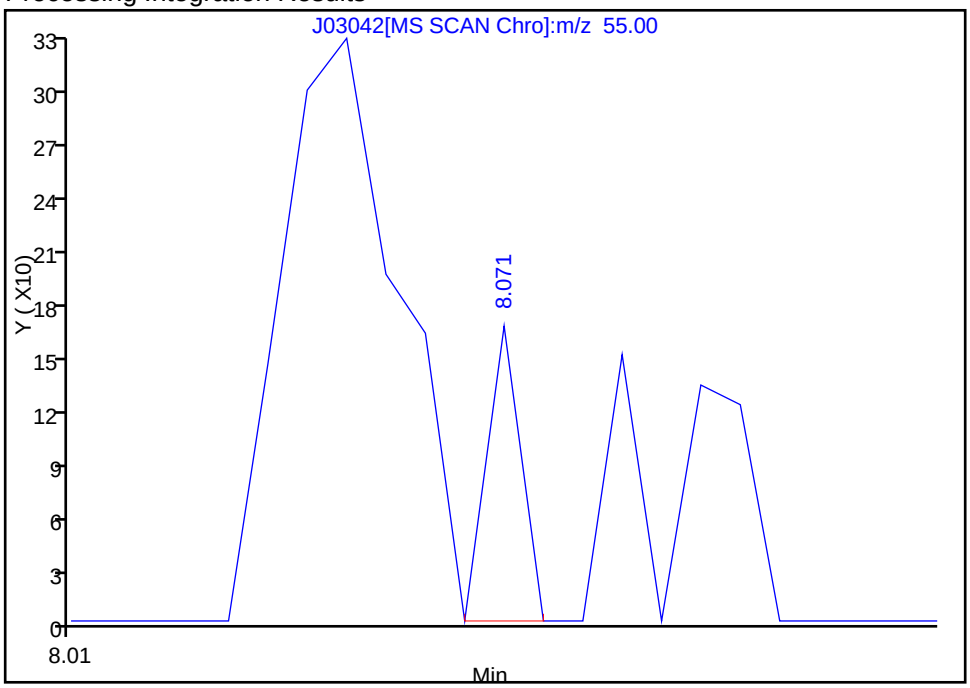
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

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

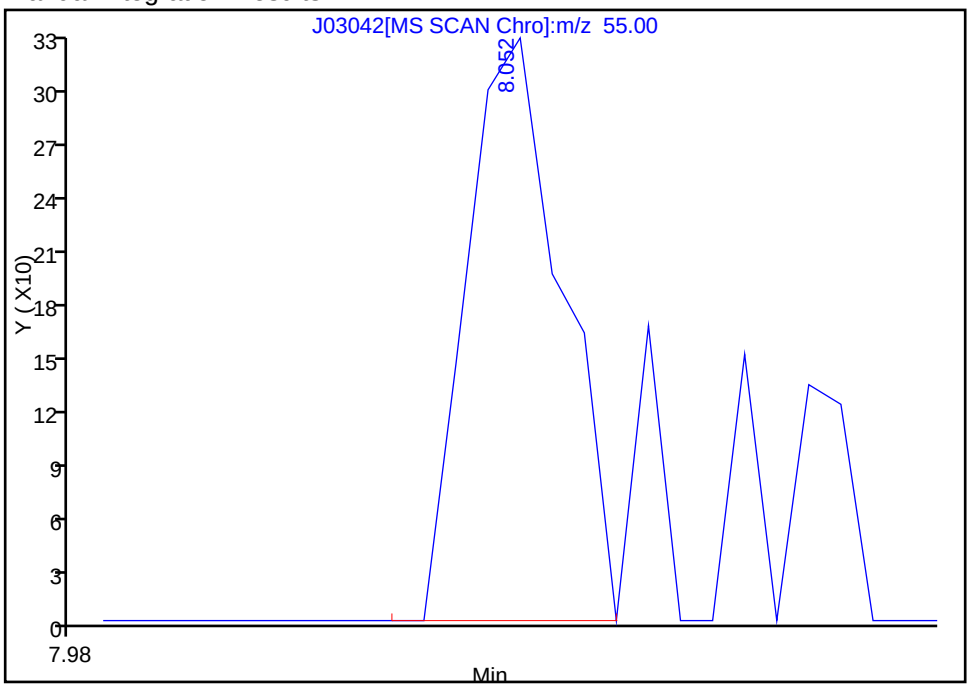
Processing Integration Results

RT: 8.07
Response: 48
Amount: 0.284557



Manual Integration Results

RT: 8.05
Response: 324
Amount: 0.302688



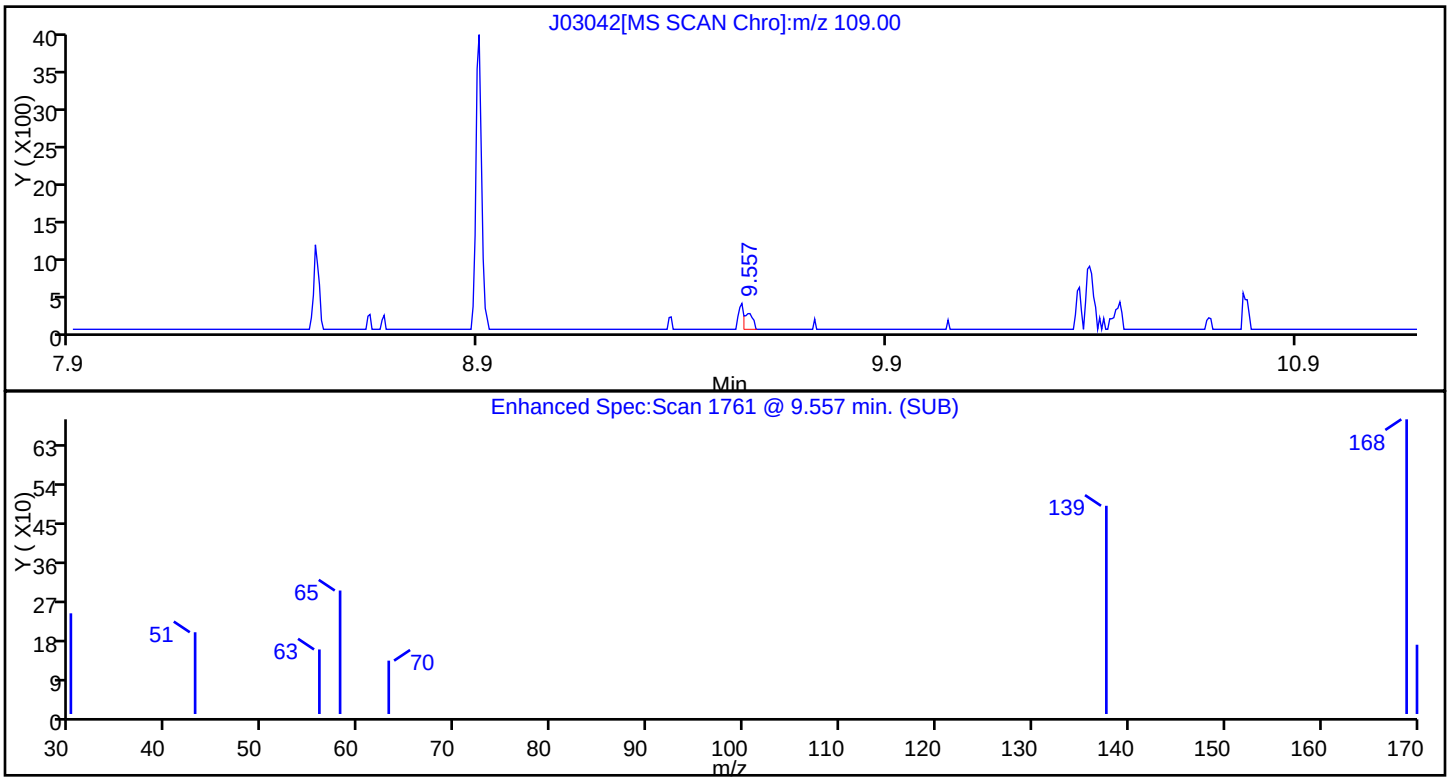
Reviewer: sullivanp, 23-Sep-2009 14:24:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

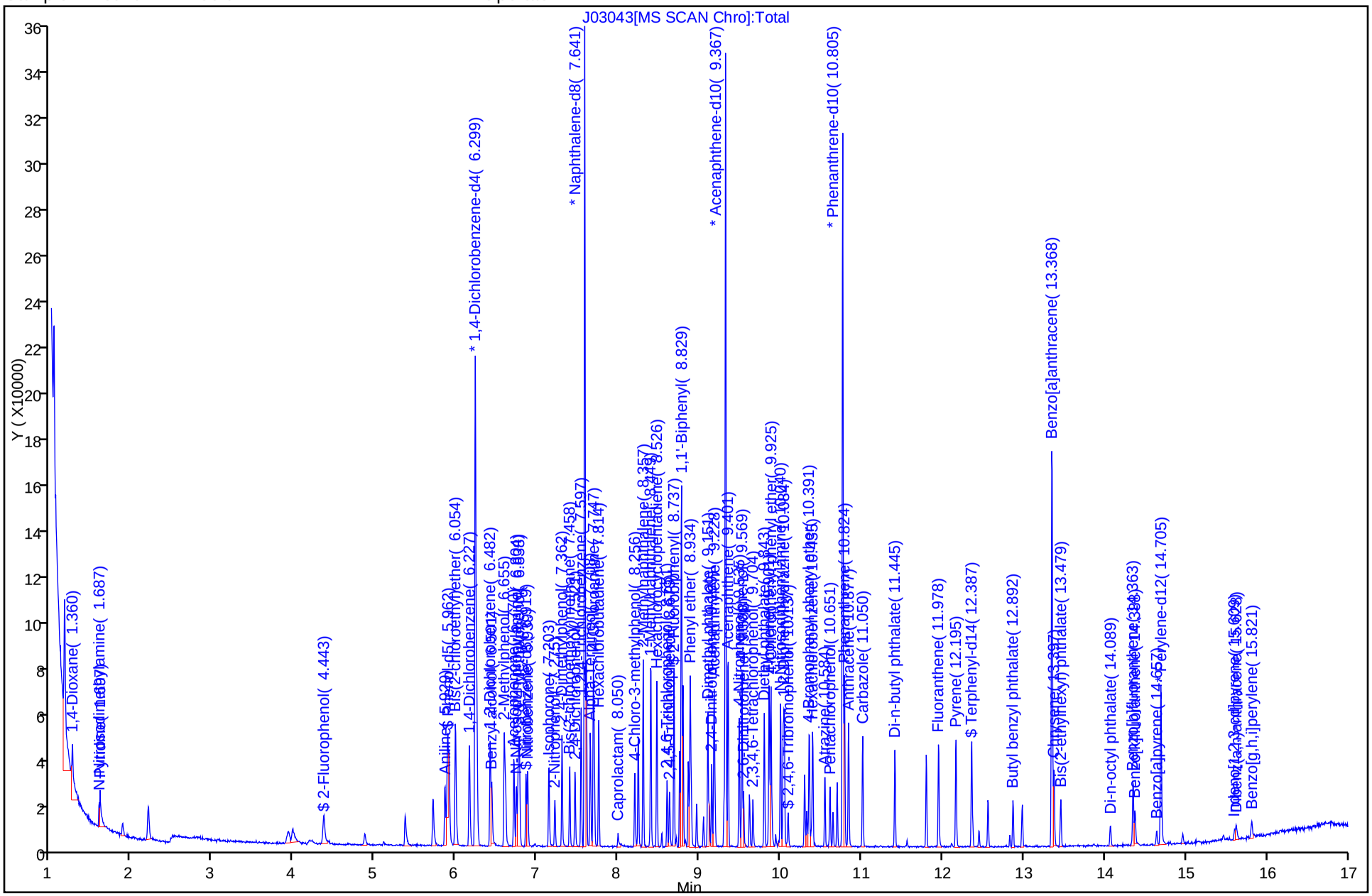
Inj Date: 21-Sep-2009 16:44:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 5

Client ID: Instrument: Inst. J

Sample Info: 0.5PPM

Sample Amount: 1.00 ul Operator:

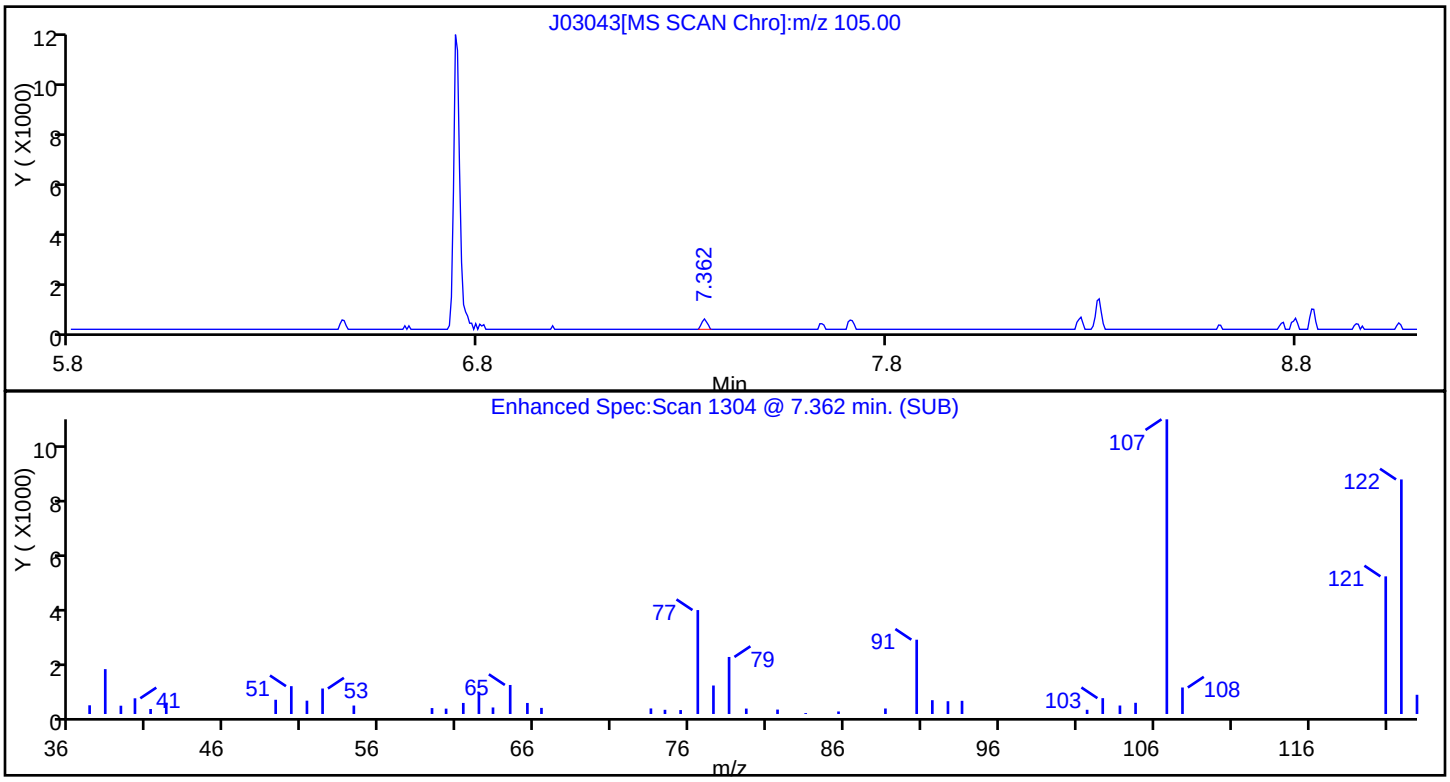


User Disabled Compound Report

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:

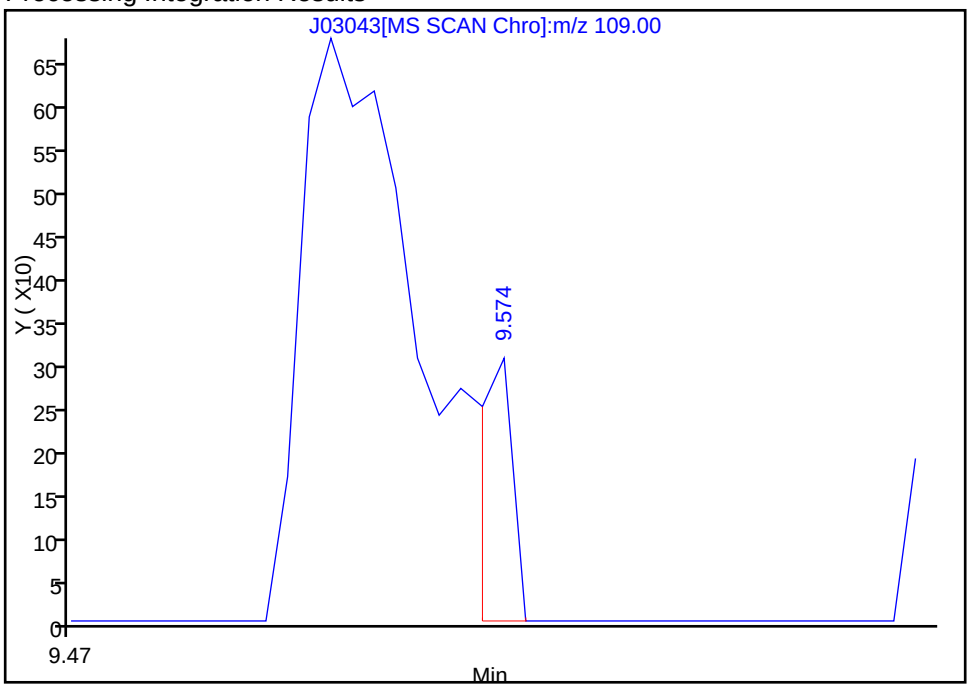
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

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

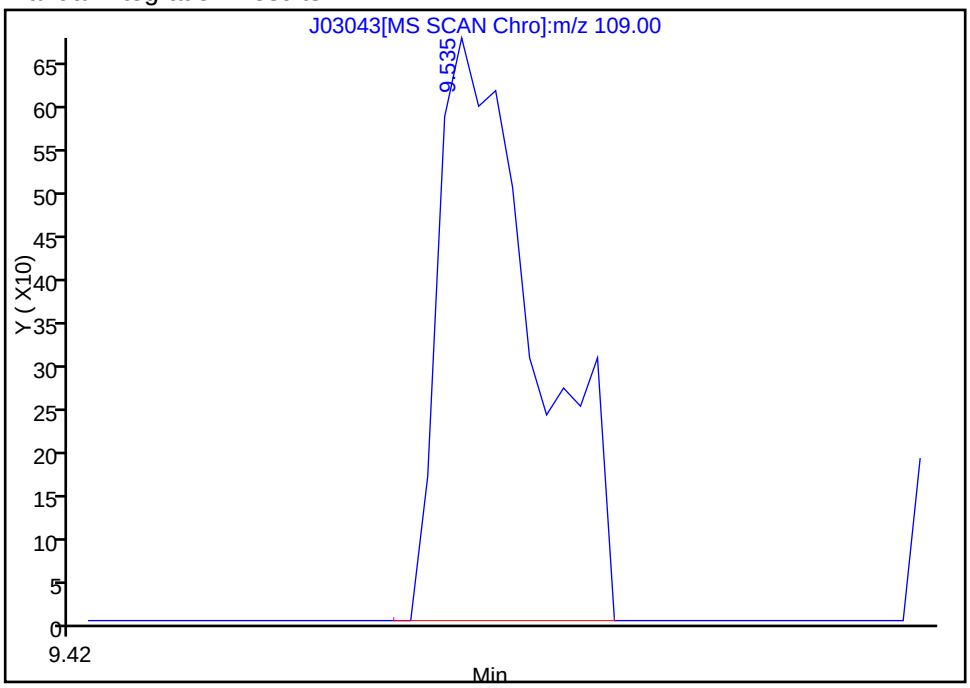
Processing Integration Results

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

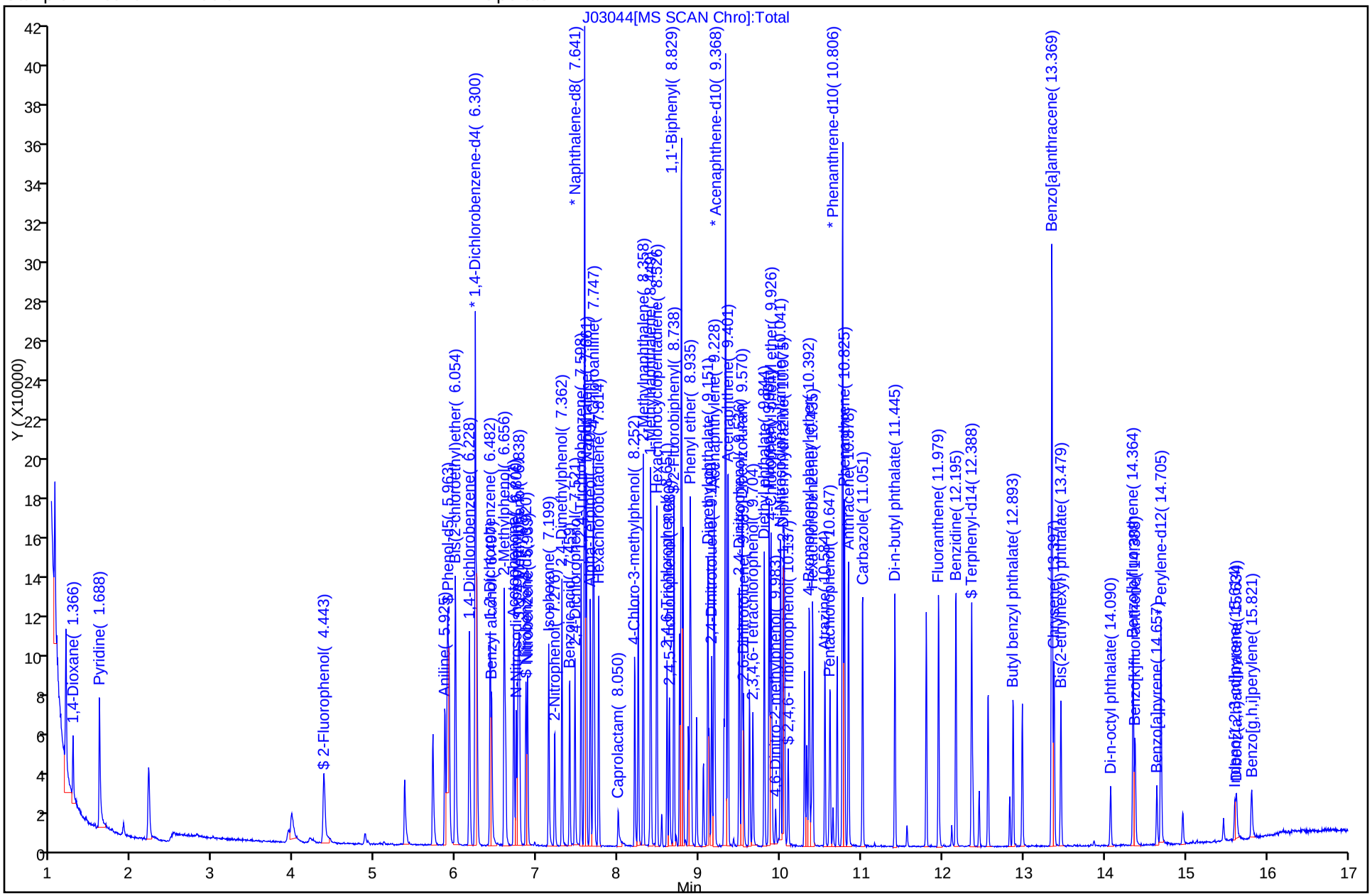
Inj Date: 21-Sep-2009 17:11:30 Limit Group: SMS - 8270LL SVOA Calibration

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

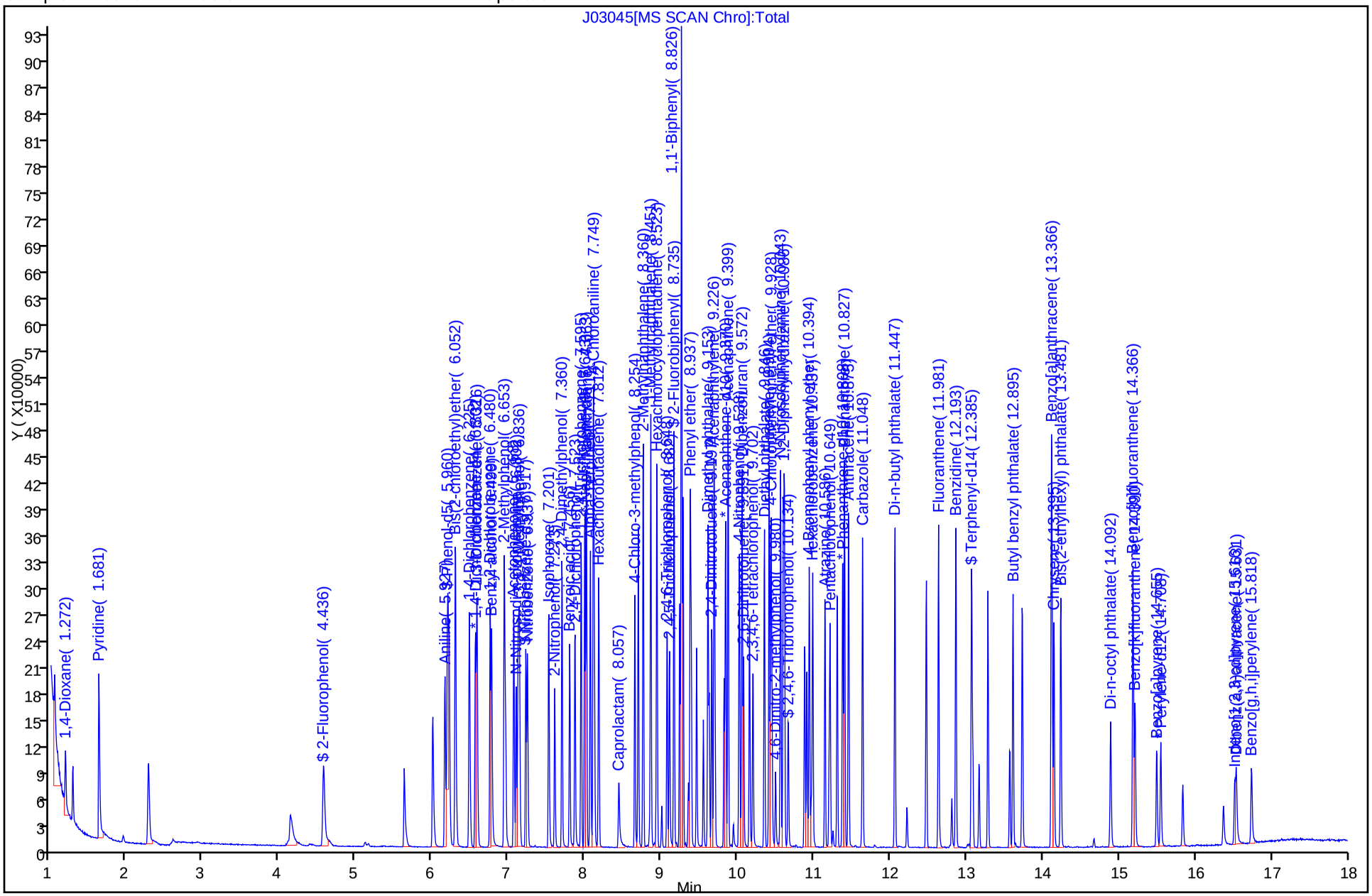
Inj Date: 21-Sep-2009 17:39:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 7

Client ID: Instrument: Inst. J

Sample Info: 2.5 PPM

Sample Amount: 1.00 ul Operator:



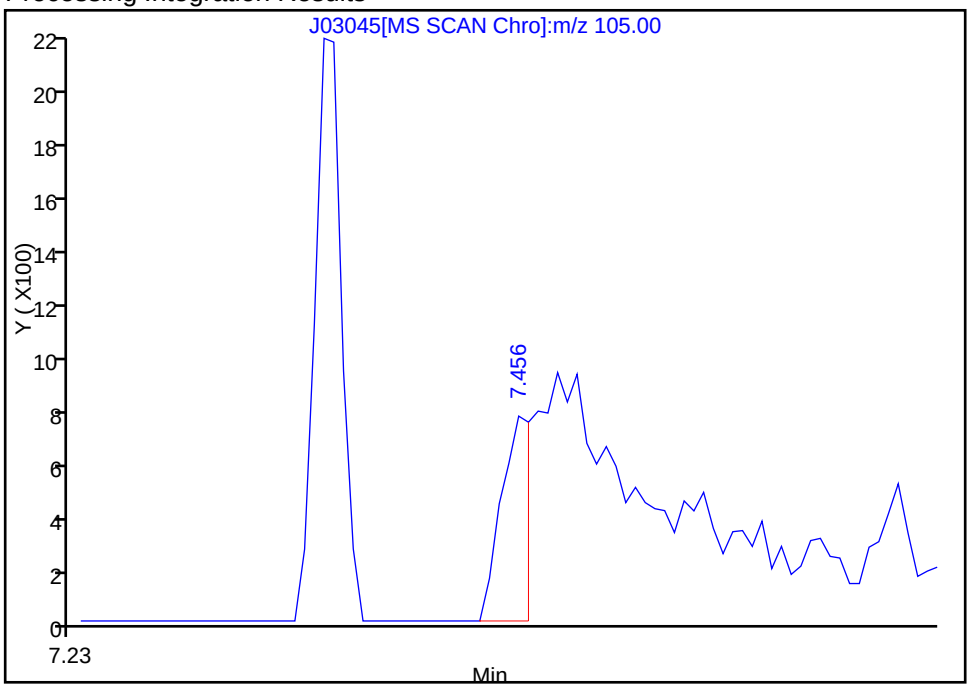
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

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

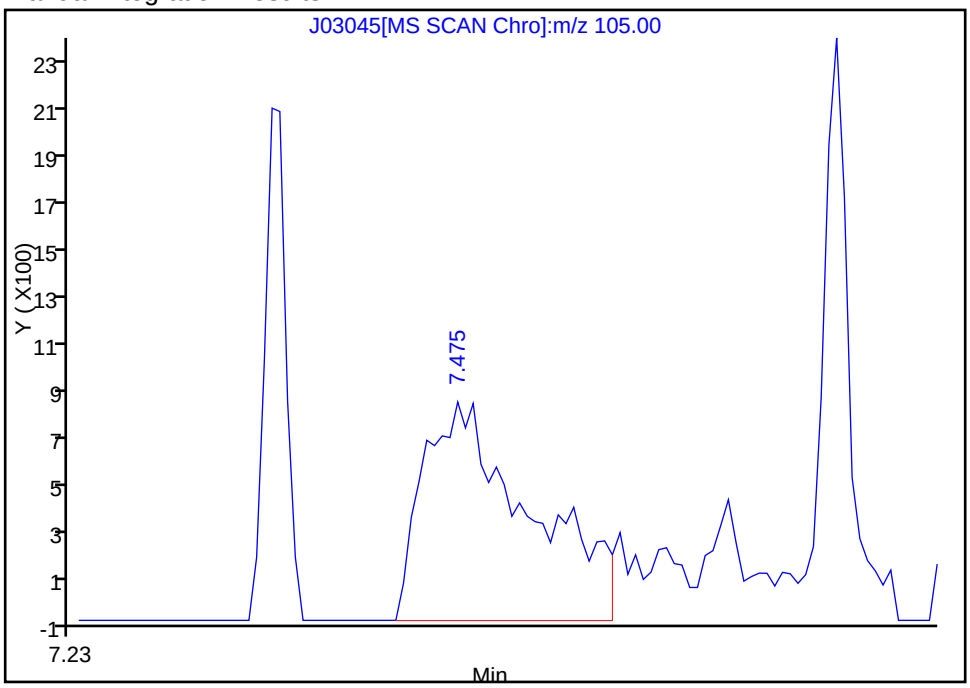
Processing Integration Results

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

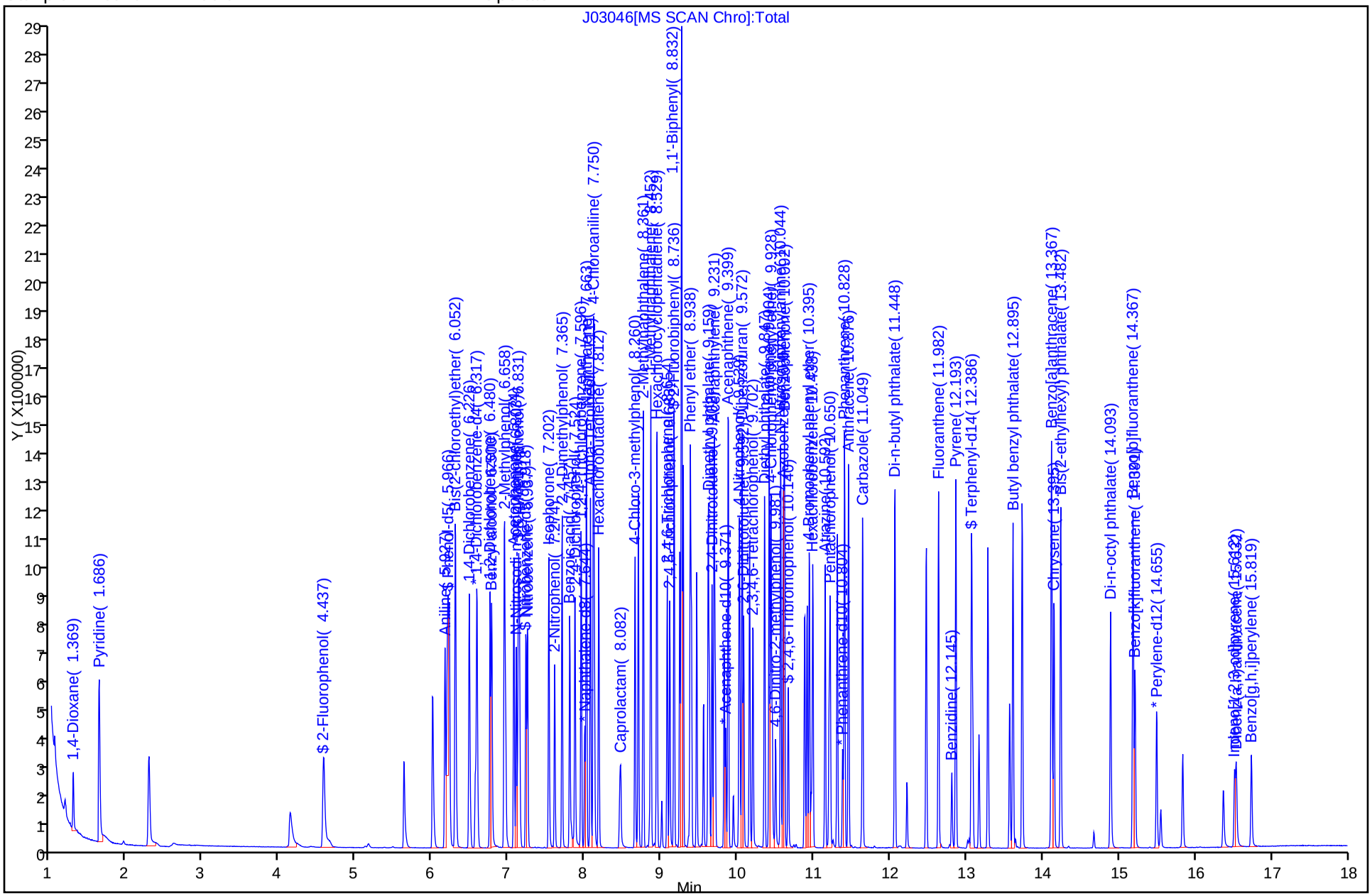
Inj Date: 21-Sep-2009 18:06:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 8

Client ID: Instrument: Inst. J

Sample Info: 8 PPM

Sample Amount: 1.00 ul Operator:



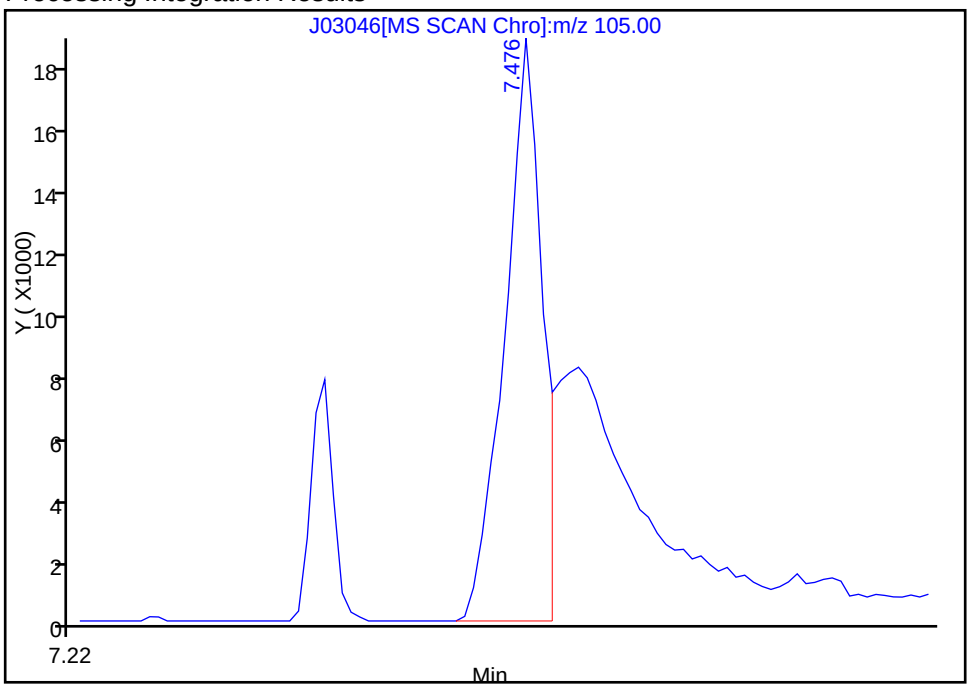
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

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

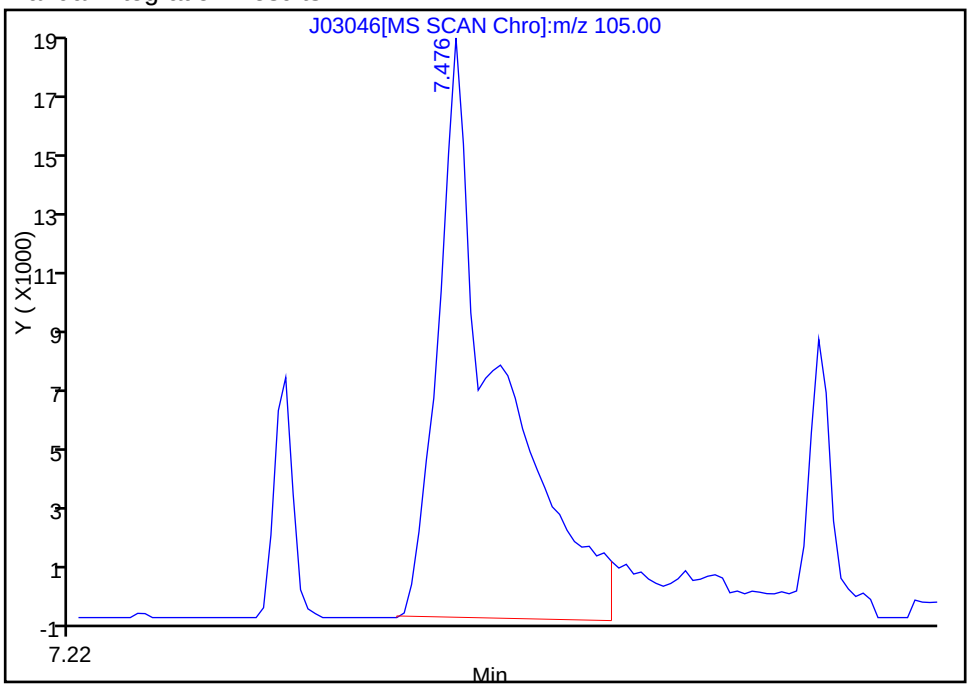
Processing Integration Results

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

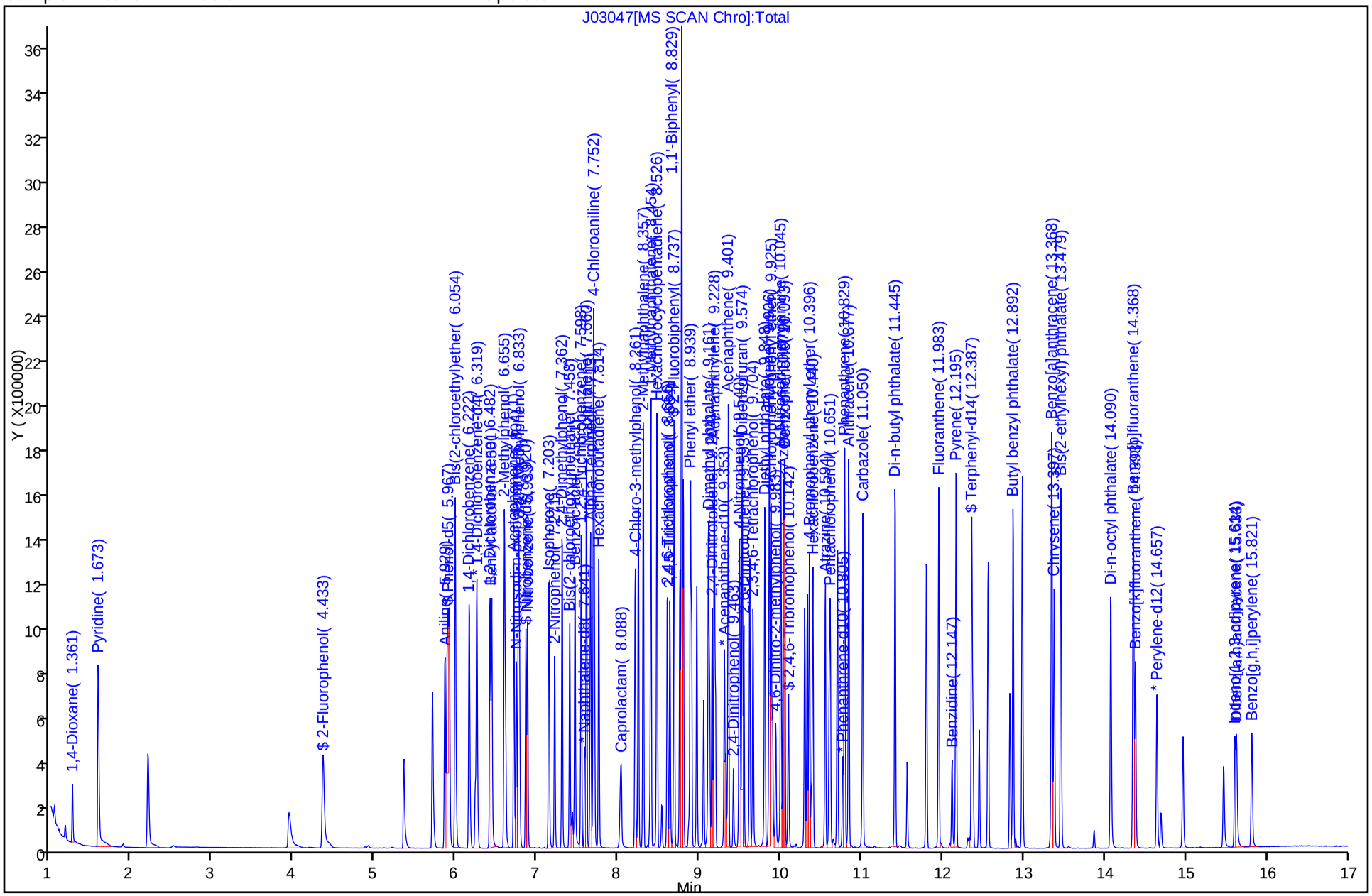
Inj Date: 21-Sep-2009 18:33:30 Limit Group: SMS - 8270LL SVOA Calibration

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

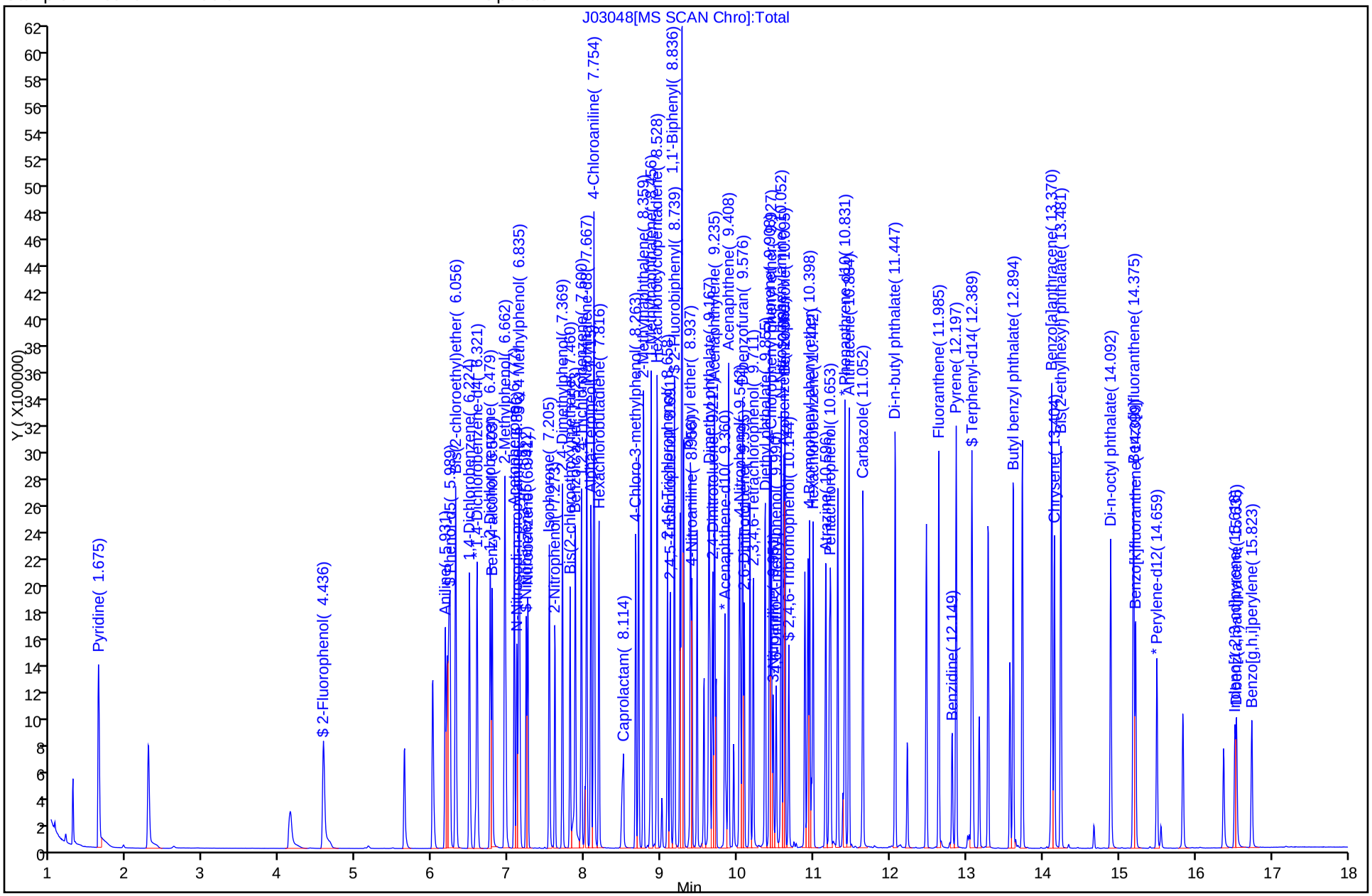
Inj Date: 21-Sep-2009 18:59:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 10

Client ID: Instrument: Inst. J

Sample Info: 20 PPM

Sample Amount: 1.00 ul Operator:

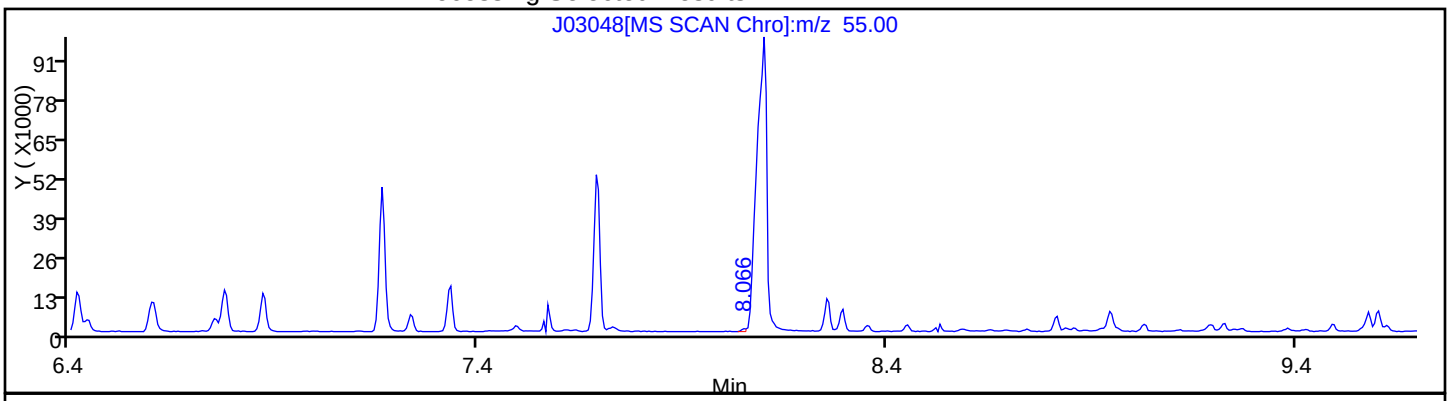


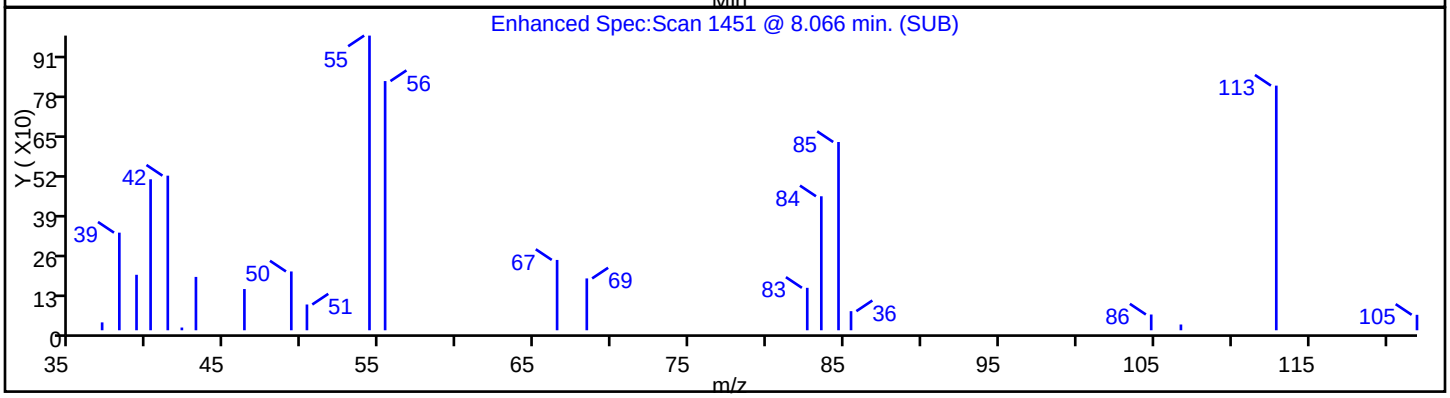
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

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:	

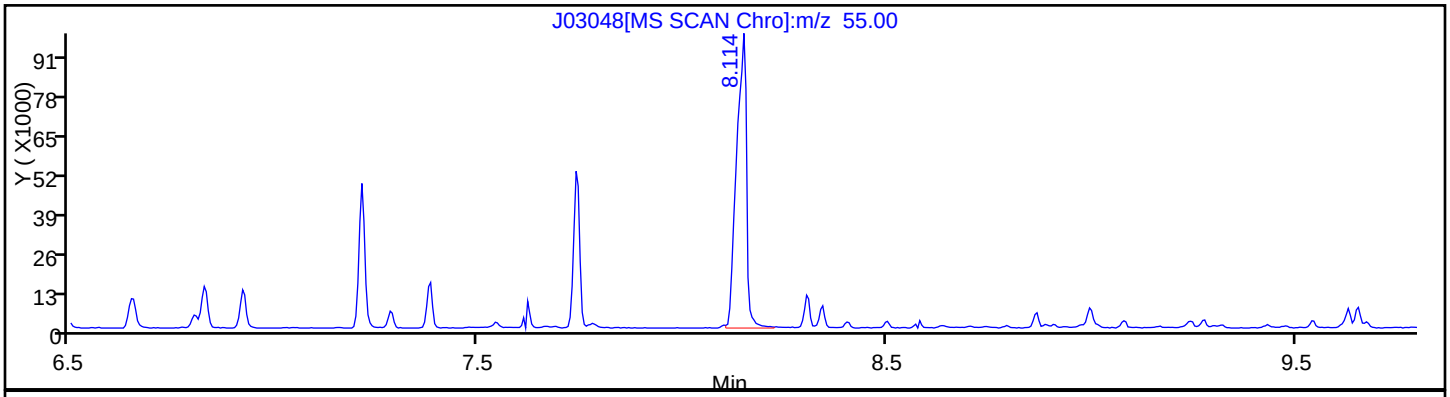
44 Caprolactam

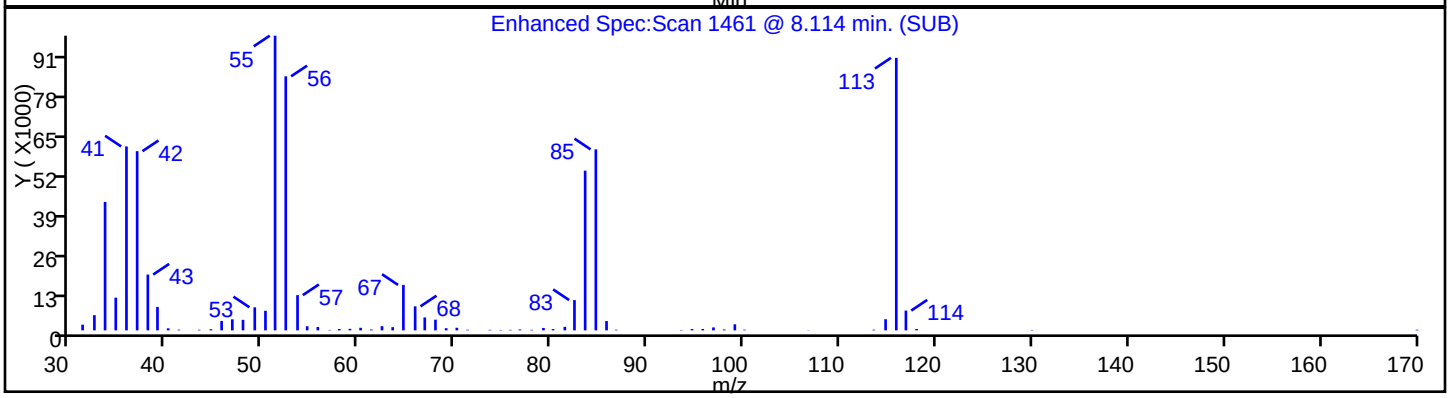
Processing Selected Results





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.: 360-24444-2

SDG No.: OCRI-11A

Lab Sample ID: CCV 360-49402/16 Calibration Date: 09/22/2009 22:48

Instrument ID: Inst. B Calib Start Date: 09/22/2009 15:32

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/22/2009 19:41

Lab File ID: B10490.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2		0.0005			5000	-100.0*	30.0
N-Nitrosodimethylamine	Ave	0.3761	0.3350		4450	5000	-10.9	30.0
Pyridine	Ave	0.4498	0.4479		4980	5000	-0.4	30.0
Benzaldehyde	Ave	0.3771	0.3460		4590	5000	-8.2	30.0
Phenol	Ave	0.7202	0.6400		4440	5000	-11.1	20.0
Aniline	Ave	0.8417	0.7769		4620	5000	-7.7	30.0
Bis(2-chloroethyl)ether	Ave	0.5740	0.5143		4480	5000	-10.4	30.0
2-Chlorophenol	Ave	0.6102	0.5517		4520	5000	-9.6	30.0
1,4-Dichlorobenzene	Ave	0.7617	0.6682		4390	5000	-12.3	20.0
1,3-Dichlorobenzene	Ave	0.7760	0.7038		4540	5000	-9.3	30.0
Benzyl alcohol	Ave	0.4630	0.4283		4620	5000	-7.5	30.0
1,2-Dichlorobenzene	Lin1		0.6303		5130	5000	2.7	30.0
2-Methylphenol	Ave	0.5565	0.5030		4520	5000	-9.6	30.0
2,2'-oxybis[1-chloropropane]	Lin		0.9079		5230	5000	4.7	30.0
3 & 4 Methylphenol	Ave	0.5749	0.5316		4620	5000	-7.5	30.0
N-Nitrosodi-n-propylamine	Ave	0.3871	0.3806	0.0500	4920	5000	-1.7	30.0
Acetophenone	Ave	0.8278	0.7167		4330	5000	-13.4	30.0
Hexachloroethane	Ave	0.2696	0.2407		4460	5000	-10.7	30.0
Nitrobenzene	Ave	0.2523	0.2318		4590	5000	-8.1	30.0
Isophorone	Ave	0.4127	0.3983		4820	5000	-3.5	30.0
2,4-Dimethylphenol	Qua		0.2167		4620	5000	-7.6	30.0
2-Nitrophenol	Ave	0.1124	0.1238		5510	5000	10.2	20.0
Benzoic acid	Qua		0.0542		5430	5000	8.6	30.0
Bis(2-chloroethoxy)methane	Ave	0.2561	0.2255		4400	5000	-12.0	30.0
2,4-Dichlorophenol	Ave	0.1905	0.1752		4600	5000	-8.0	20.0
1,2,4-Trichlorobenzene	Qua		0.2022		4820	5000	-3.5	30.0
Alpha-Terpineol	Ave	0.2134	0.1979		4640	5000	-7.3	30.0
Naphthalene	Qua		0.6490		4680	5000	-6.3	30.0
4-Chloroaniline	Ave	0.2861	0.2752		4810	5000	-3.8	30.0
Hexachlorobutadiene	Lin		0.1051		5340	5000	6.8	20.0
Caprolactam	Qua		0.0947		5000	5000	0.1	30.0
4-Chloro-3-methylphenol	Ave	0.1901	0.1780		4680	5000	-6.4	20.0
2-Methylnaphthalene	Ave	0.4984	0.4376		4390	5000	-12.2	30.0
1-Methylnaphthalene	Lin		0.4279		5260	5000	5.2	30.0
Hexachlorocyclopentadiene	Lin1		0.1879	0.0500	4530	5000	-9.3	30.0
1,2,4,5-Tetrachlorobenzene	Lin		0.1734		5240	5000	4.7	30.0
2,4,6-Trichlorophenol	Lin1		0.2985		4440	5000	-11.2	20.0
2,4,5-Trichlorophenol	Lin1		0.3132		4410	5000	-11.8	30.0
1,1'-Biphenyl	Ave	1.390	1.326		4770	5000	-4.6	30.0
2-Chloronaphthalene	Ave	1.309	1.248		4770	5000	-4.7	30.0
Phenyl ether	Ave	0.3118	0.2740		4390	5000	-12.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

Lab Sample ID: CCV 360-49402/16 Calibration Date: 09/22/2009 22:48

Instrument ID: Inst. B Calib Start Date: 09/22/2009 15:32

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/22/2009 19:41

Lab File ID: B10490.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Lin1		0.3569		4550	5000	-9.1	30.0
Dimethyl phthalate	Ave	1.225	1.196		4880	5000	-2.4	30.0
2,6-Dinitrotoluene	Lin2		0.2797		4810	5000	-3.8	30.0
Acenaphthylene	Ave	1.671	1.693		5070	5000	1.3	30.0
3-Nitroaniline	Lin1		0.2761		4770	5000	-4.6	30.0
2,4-Dinitrophenol	Qua		0.0695	0.0500	5040	5000	0.8	30.0
Acenaphthene	Ave	1.170	1.119		4780	5000	-4.3	20.0
4-Nitrophenol	Lin1		0.1514	0.0500	4400	5000	-12.0	30.0
2,4-Dinitrotoluene	Lin1		0.3532		4470	5000	-10.6	30.0
Dibenzofuran	Ave	1.529	1.482		4850	5000	-3.1	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2241		4410	5000	-11.8	30.0
Diethyl phthalate	Ave	1.272	1.222		4800	5000	-3.9	30.0
4-Chlorophenyl phenyl ether	Ave	0.5652	0.5467		4840	5000	-3.3	30.0
2-Nitroaniline	Lin1		0.3223		4810	5000	-3.7	30.0
Fluorene	Ave	1.284	1.264		4920	5000	-1.6	30.0
4,6-Dinitro-2-methylphenol	Qua		0.0759		5220	5000	4.5	30.0
Diphenylamine	Ave	0.6451	0.6241		4840	5000	-3.3	30.0
N-Nitrosodiphenylamine	Ave	0.6451	0.6241		4840	5000	-3.3	20.0
1,2-Diphenylhydrazine	Ave	1.165	1.194		5120	5000	2.5	30.0
Azobenzene	Ave	1.165	1.194		5120	5000	2.5	30.0
Benzophenone	Ave	0.7057	0.7051		5000	5000	0.1	30.0
4-Bromophenyl phenyl ether	Ave	0.1804	0.1703		4720	5000	-5.6	30.0
Hexachlorobenzene	Ave	0.1728	0.1604		4640	5000	-7.2	30.0
Atrazine	Ave	0.1844	0.1893		5130	5000	2.7	30.0
Pentachlorophenol	Lin		0.0736		5010	5000	0.2	20.0
Pentachloronitrobenzene	Lin1		0.0738		4230	5000	-15.5	30.0
Phenanthrene	Ave	1.036	0.9753		4710	5000	-5.9	30.0
Anthracene	Ave	0.9677	0.9660		4990	5000	-0.2	30.0
Carbazole	Ave	0.8146	0.8120		4980	5000	-0.3	30.0
Di-n-butyl phthalate	Ave	1.244	1.183		4750	5000	-4.9	30.0
Fluoranthene	Ave	0.9119	0.8942		4900	5000	-1.9	20.0
Benzidine	Qua		0.1851		5770	5000	15.5	30.0
Pyrene	Ave	1.352	1.257		4650	5000	-7.0	30.0
Butyl benzyl phthalate	Lin1		0.6245		4550	5000	-8.9	30.0
3,3'-Dichlorobenzidine	Lin1		0.2714		4710	5000	-5.7	30.0
Bis(2-ethylhexyl) phthalate	Lin1		0.8890		4520	5000	-9.7	30.0
Benzo[a]anthracene	Ave	0.8764	0.8500		4850	5000	-3.0	30.0
Chrysene	Ave	0.8618	0.8036		4660	5000	-6.8	30.0
Di-n-octyl phthalate	Lin1		1.805		4370	5000	-12.7	20.0
Benzo[b]fluoranthene	Ave	1.122	1.019		4540	5000	-9.2	30.0
Benzo[k]fluoranthene	Ave	1.026	1.007		4910	5000	-1.8	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

Lab Sample ID: CCV 360-49402/16 Calibration Date: 09/22/2009 22:48

Instrument ID: Inst. B Calib Start Date: 09/22/2009 15:32

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/22/2009 19:41

Lab File ID: B10490.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Ave	0.8358	0.8345		4990	5000	-0.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.7350	0.7141		4860	5000	-2.8	30.0
Dibenz(a,h)anthracene	Ave	0.5856	0.5727		4890	5000	-2.2	30.0
Benzo[g,h,i]perylene	Ave	0.6719	0.5953		4430	5000	-11.4	30.0
2-Fluorophenol	Ave	0.4922	0.4467		4540	5000	-9.2	30.0
Phenol-d5	Ave	0.6856	0.6258		4560	5000	-8.7	30.0
Nitrobenzene-d5	Ave	0.2564	0.2346		4570	5000	-8.5	30.0
2-Fluorobiphenyl	Ave	1.328	1.254		4720	5000	-5.6	30.0
2,4,6-Tribromophenol	Lin1		0.0635		4370	5000	-12.6	30.0
Terphenyl-d14	Ave	0.8118	0.7501		4620	5000	-7.6	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10490.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	22-Sep-2009 22:48:30	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:	49402	Lims Sample ID:	16
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:41:36	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:41:36

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.691	7.691	0.000	429779	2.00	
* 2 Naphthalene-d8	136	8.821	8.821	0.000	1097296	2.00	
* 3 Acenaphthene-d10	164	10.321	10.321	0.000	423707	2.00	
* 4 Phenanthrene-d10	188	11.586	11.581	0.005	709335	2.00	
* 5 Chrysene-d12	240	14.995	14.990	0.005	528340	2.00	
* 6 Perylene-d12	264	17.380	17.385	-0.005	399717	2.00	
$ 7 2-Fluorophenol	112	6.411	6.407	0.004	479951	4.54	
$ 8 Phenol-d5	99	7.320	7.320	0.000	672383	4.56	
$ 9 Nitrobenzene-d5	82	8.186	8.186	0.000	643664	4.57	
$ 10 2-Fluorobiphenyl	172	9.720	9.720	0.000	1328610	4.72	
$ 11 2,4,6-Tribromophenol	330	10.985	10.985	0.000	112574	4.37	
$ 12 Terphenyl-d14	244	13.110	13.110	0.000	990816	4.62	
14 1,4-Dioxane	88	4.300	4.307	-0.007	492		
15 N-Nitrosodimethylamine	42	4.613	4.613	0.000	359910	4.45	
16 Pyridine	79	4.637	4.637	0.000	481249	4.98	
17 Benzaldehyde	105	7.296	7.296	0.000	371758	4.59	
18 Phenol	94	7.335	7.330	0.005	687623	4.44	
19 Aniline	93	7.388	7.388	0.000	834770	4.62	
20 Bis(2-chloroethyl)ether	93	7.431	7.431	0.000	552556	4.48	
21 2-Chlorophenol	128	7.503	7.498	0.005	592819	4.52	
22 1,4-Dichlorobenzene	146	7.642	7.642	0.000	717909	4.39	
23 1,3-Dichlorobenzene	146	7.710	7.705	0.005	756240	4.54	
24 Benzyl alcohol	79	7.801	7.796	0.005	460167	4.62	
25 1,2-Dichlorobenzene	146	7.849	7.849	0.000	677202	5.13	
26 2-Methylphenol	108	7.883	7.883	0.000	540466	4.52	
27 2,2'-oxybis[1-chloropropane]	45	7.912	7.912	0.000	975445	5.23	
28 3 & 4 Methylphenol	108	8.013	8.013	0.000	571166	4.62	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.032	8.027	0.005	408965	4.92	
30 Acetophenone	105	8.042	8.042	0.000	770063	4.33	
31 Hexachloroethane	117	8.157	8.152	0.005	258570	4.46	
32 Nitrobenzene	77	8.205	8.200	0.005	635992	4.59	
33 Isophorone	82	8.402	8.397	0.005	1092507	4.82	
34 2-Nitrophenol	139	8.479	8.479	0.000	339652	5.51	
35 2,4-Dimethylphenol	107	8.479	8.479	0.000	594487	4.62	
36 Benzoic acid	105	8.527	8.513	0.014	148654	5.43	
37 Bis(2-chloroethoxy)methane	93	8.561	8.561	0.000	618608	4.40	
38 2,4-Dichlorophenol	162	8.681	8.681	0.000	480727	4.60	
39 1,2,4-Trichlorobenzene	180	8.763	8.763	0.000	554617	4.82	
40 Alpha-Terpineol	59	8.816	8.811	0.005	542799	4.64	
41 Naphthalene	128	8.840	8.840	0.000	1780302	4.68	
42 4-Chloroaniline	127	8.864	8.864	0.000	754808	4.81	
43 Hexachlorobutadiene	225	8.926	8.926	0.000	288371	5.34	
44 Caprolactam	55	9.152	9.143	0.009	259756	5.00	
45 4-Chloro-3-methylphenol	107	9.249	9.249	0.000	488246	4.68	
46 2-Methylnaphthalene	142	9.427	9.426	0.001	1200387	4.39	
47 1-Methylnaphthalene	142	9.513	9.513	0.000	1173946	5.26	
48 Hexachlorocyclopentadiene	237	9.556	9.556	0.000	199066	4.53	
49 1,2,4,5-Tetrachlorobenzene	216	9.566	9.566	0.000	475746	5.24	
50 2,4,6-Trichlorophenol	196	9.653	9.653	0.001	316197	4.44	
51 2,4,5-Trichlorophenol	196	9.686	9.686	0.000	331801	4.41	
52 1,1'-Biphenyl	154	9.811	9.811	0.000	1404845	4.77	
53 2-Chloronaphthalene	162	9.850	9.845	0.005	1321779	4.77	
54 Phenyl ether	170	9.893	9.893	0.000	751643	4.39	
68 4-Nitroaniline	138	9.912	9.912	0.000	378026	4.55	
56 Dimethyl phthalate	163	10.037	10.032	0.005	1266853	4.88	
57 2,6-Dinitrotoluene	165	10.105	10.100	0.005	296275	4.81	
58 Acenaphthylene	152	10.206	10.206	0.000	1793567	5.07	
59 3-Nitroaniline	138	10.258	10.254	0.004	292419	4.77	
60 2,4-Dinitrophenol	184	10.340	10.340	0.000	73577	5.04	
61 Acenaphthene	153	10.350	10.350	0.000	1185591	4.78	
62 4-Nitrophenol	109	10.359	10.355	0.004	160394	4.40	
63 2,4-Dinitrotoluene	165	10.446	10.446	0.000	374087	4.47	
64 Dibenzofuran	168	10.494	10.489	0.005	1569786	4.85	
65 2,3,4,6-Tetrachlorophenol	232	10.581	10.581	0.000	237404	4.41	
66 Diethyl phthalate	149	10.619	10.619	0.000	1294455	4.80	
67 4-Chlorophenyl phenyl ether	204	10.754	10.754	0.000	579070	4.84	
55 2-Nitroaniline	65	10.773	10.773	0.000	341445	4.81	
69 Fluorene	166	10.783	10.783	0.000	1338488	4.92	
70 4,6-Dinitro-2-methylphenol	198	10.792	10.792	0.000	134565	5.22	
71 Diphenylamine	169	10.850	10.845	0.005	1106761	4.84	
72 N-Nitrosodiphenylamine	169	10.850	10.845	0.005	1106761	4.84	
73 1,2-Diphenylhydrazine	77	10.893	10.888	0.005	2117729	5.12	
74 Azobenzene	77	10.893	10.888	0.005	2117729	5.12	
13 Benzophenone	105	10.898	10.898	0.000	1250314	5.00	
75 4-Bromophenyl phenyl ether	248	11.172	11.172	0.000	302062	4.72	
76 Hexachlorobenzene	284	11.254	11.254	0.000	284517	4.64	
77 Atrazine	200	11.264	11.263	0.001	335756	5.13	
78 Pentachlorophenol	266	11.408	11.410	-0.002	130581	5.01	
79 Pentachloronitrobenzene	237	11.422	11.417	0.005	130807	4.23	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.605	11.605	0.000	1729512	4.71	
81 Anthracene	178	11.648	11.648	0.000	1713066	4.99	
83 Carbazole	167	11.764	11.764	0.000	1439921	4.98	
84 Di-n-butyl phthalate	149	11.985	11.985	0.000	2098595	4.75	
87 Fluoranthene	202	12.716	12.711	0.005	1585785	4.90	
86 Benzidine	184	12.812	12.819	-0.007	328243	5.77	
85 Pyrene	202	12.990	12.990	0.000	1660211	4.65	
89 Butyl benzyl phthalate	149	13.769	13.769	0.000	824804	4.55	
91 3,3'-Dichlorobenzidine	252	14.870	14.865	0.005	358479	4.71	
92 Bis(2-ethylhexyl) phthalate	149	14.880	14.880	0.000	1174254	4.52	
93 Benzo[a]anthracene	228	14.971	14.971	0.000	1122714	4.85	
94 Chrysene	228	15.048	15.043	0.005	1061386	4.66	
95 Di-n-octyl phthalate	149	16.024	16.024	0.000	1804048	4.37	
97 Benzo[b]fluoranthene	252	16.726	16.721	0.005	1018159	4.54	
98 Benzo[k]fluoranthene	252	16.770	16.770	0.000	1005904	4.91	
99 Benzo[a]pyrene	252	17.289	17.284	0.005	833861	4.99	
100 Indeno[1,2,3-cd]pyrene	276	19.607	19.602	0.005	713591	4.86	
101 Dibenz(a,h)anthracene	278	19.631	19.626	0.005	572300	4.89	
102 Benzo[g,h,i]perylene	276	20.270	20.270	0.000	594874	4.43	

Report Date: 24-Sep-2009 11:41:37 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10490.D

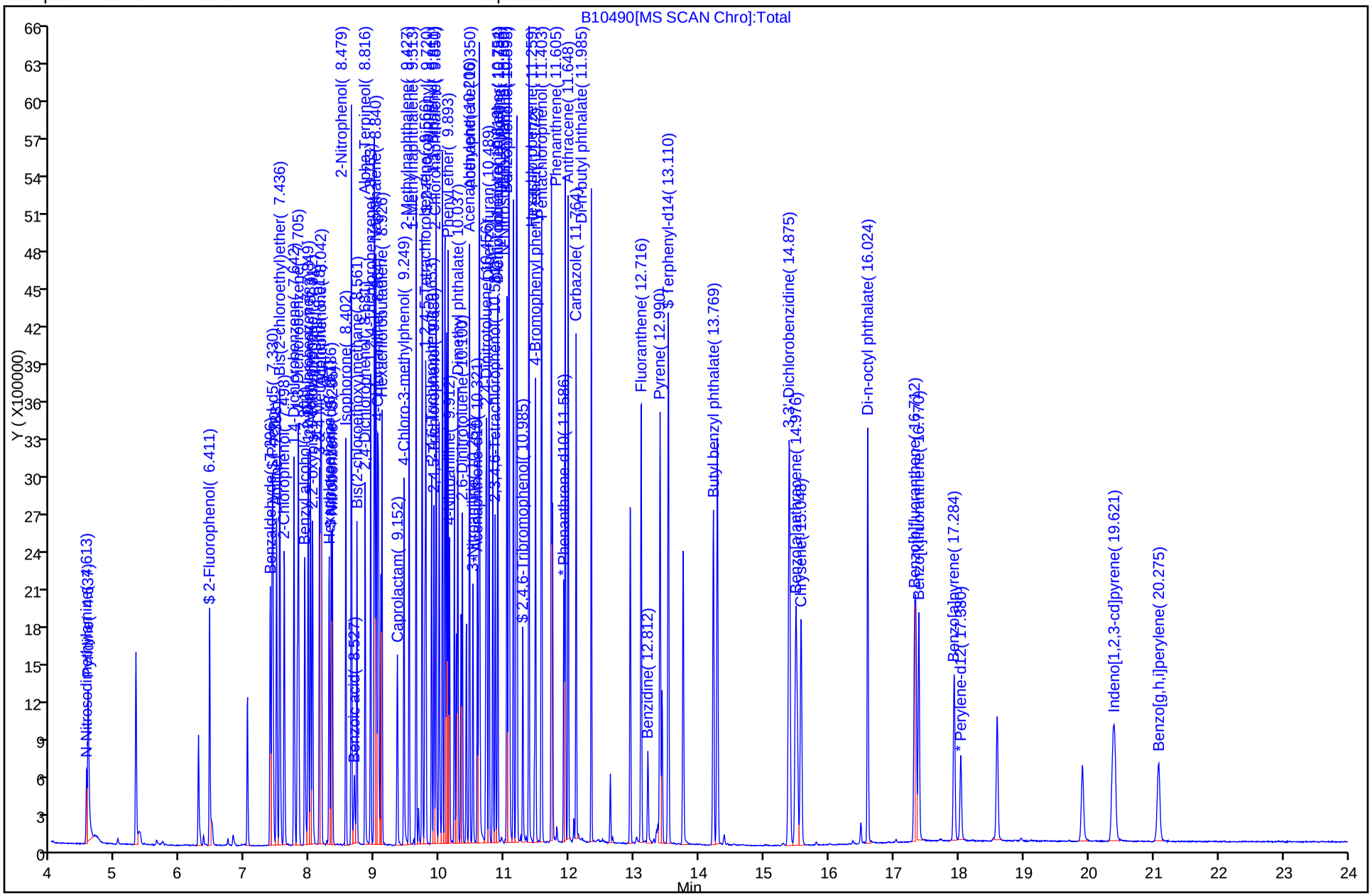
Inj Date: 22-Sep-2009 22:48:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49402 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.: 360-24444-2

SDG No.: OCRI-11A

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.: 360-24444-2

SDG No.: OCRI-11A

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.: 360-24444-2

SDG No.: OCRI-11A

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

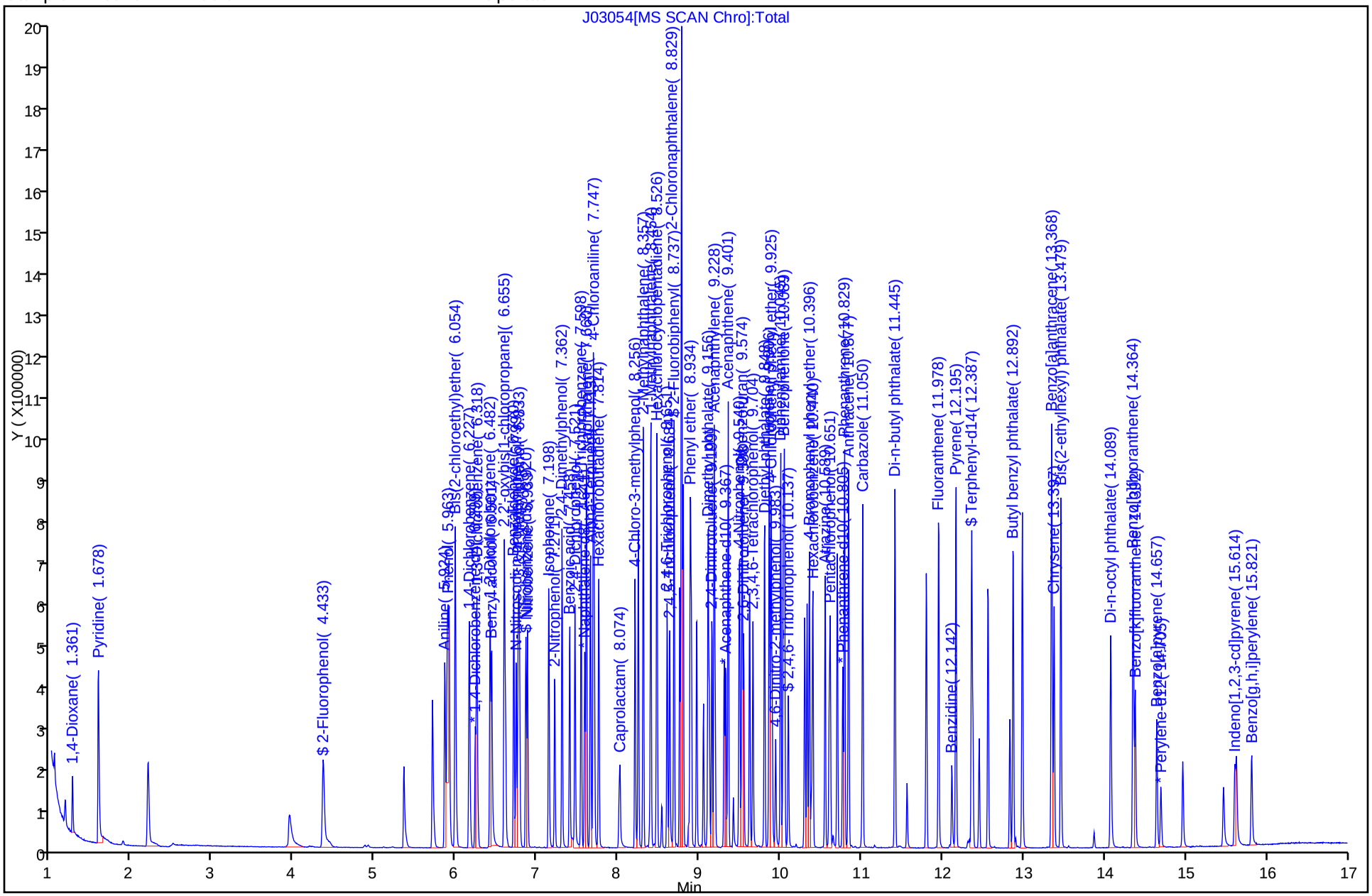
Inj Date: 21-Sep-2009 21:41:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49260 Lims Sample ID: 16

Client ID: Instrument: Inst. J

Sample Info: CCV

Sample Amount: 1.00 ul Operator:



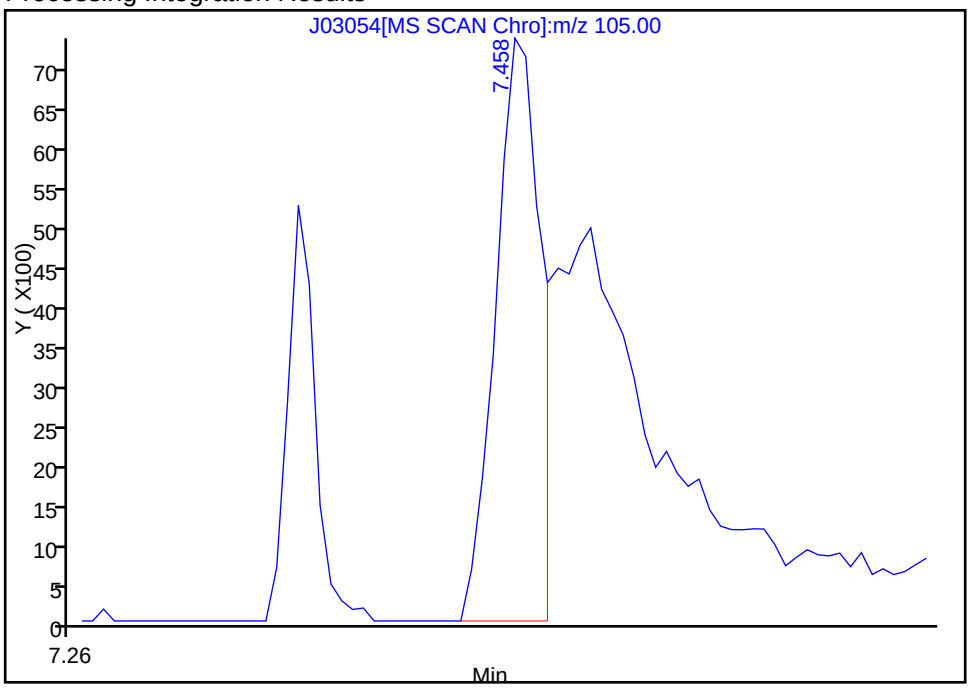
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

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

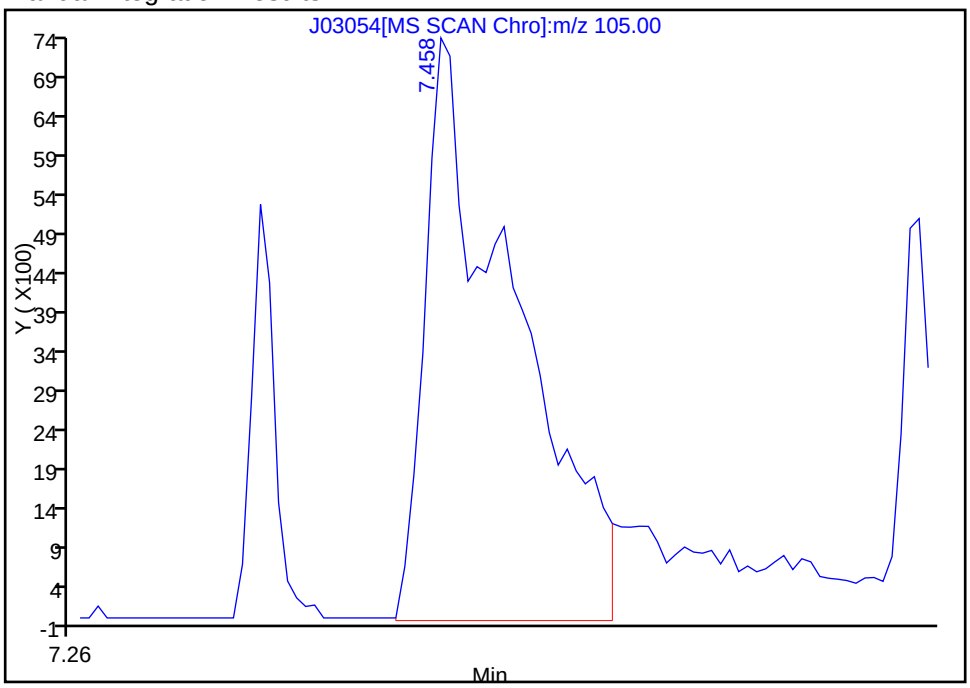
Processing Integration Results

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\20090924-1.b\B10475.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	22-Sep-2009 15:01:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49400	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:40:41	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	24-Sep-2009 11:40:41

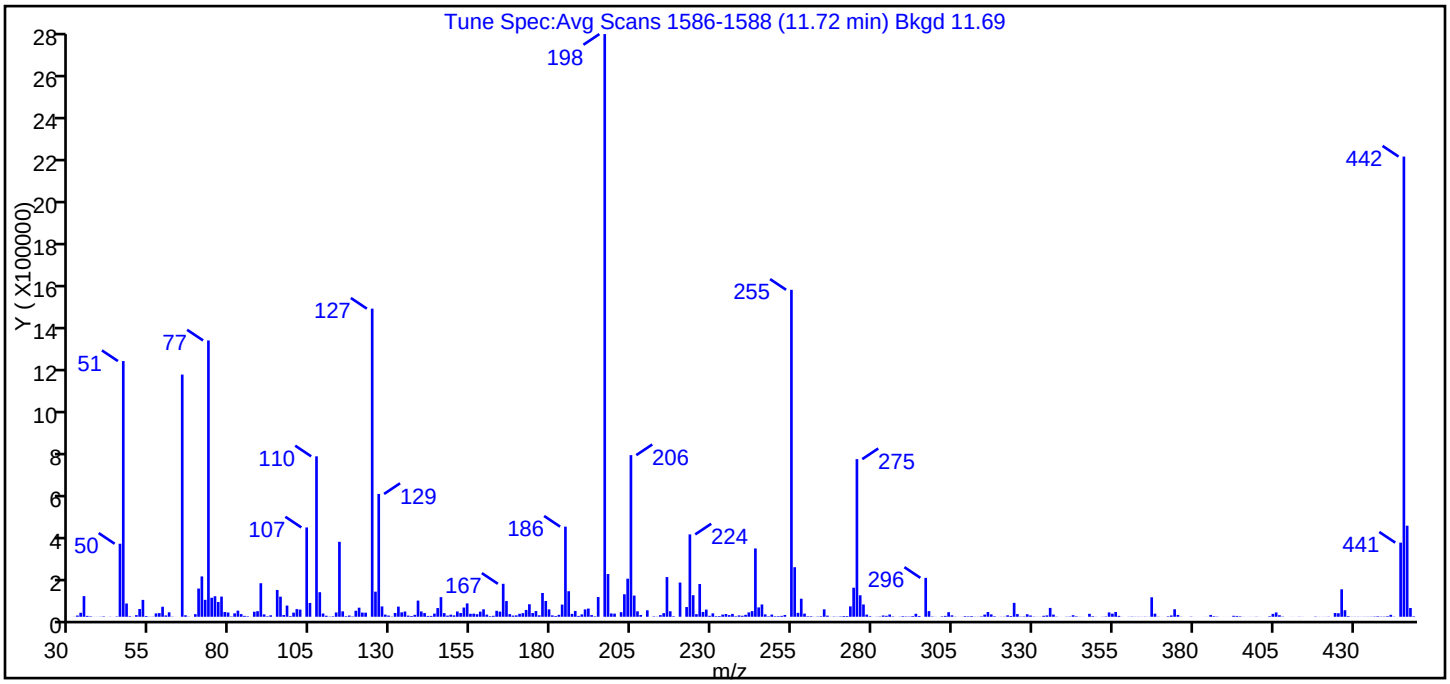
WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.410	11.410	0.000	1799869		
82 DFTPP	198	11.722	11.722	0.000	2741247		
86 Benzidine	184	12.819	12.819	0.000	6792348		
88 4,4'-DDD	235	13.492	13.492	0.000	367823		
90 4,4'-DDT	235	13.992	13.992	0.000	5213320		

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10475.D		
Inj Date:	22-Sep-2009 15:01:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	1
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	43.88
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	41.57
70	Less than 2.00% of mass 69	0.25 (0.61)
127	40.00 - 60.00% of mass 198	52.88
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.33
275	10.00 - 30.00% of mass 198	27.05
365	Greater than 1.00% of mass 198	3.34
441	Present, but less than mass 443%	12.72 (81.41)
442	Greater than 40.00% of mass 198	78.98
443	17.00 - 23.00% of mass 442	15.63 (19.78)

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10475.D\8270B.rslt\spectra.d
Injection Date: 22-Sep-2009 15:01:30
Spectrum: Tune Spec:Avg Scans 1586-1588 (11.72 min) Bkgd 11.69
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	96424	108.00	64528	181.00	34464	246.00	57552
50.00	340992	110.00	749120	185.00	56896	255.00	1526784
51.00	1193984	111.00	114744	186.00	420864	256.00	231488
52.00	62008	117.00	350080	187.00	119296	258.00	84344
56.00	36264	122.00	28080	189.00	27224	265.00	34696
57.00	78792	123.00	42384	192.00	34496	273.00	48560
63.00	46792	127.00	1438720	193.00	38288	274.00	135680
69.00	1131008	128.00	117184	196.00	92136	275.00	736064
74.00	131776	129.00	573504	198.00	2720768	276.00	100320
75.00	188352	130.00	48312	199.00	199552	277.00	57488
76.00	79104	135.00	47440	204.00	105120	296.00	181696
77.00	1290240	141.00	75480	205.00	177792	323.00	64904
78.00	88776	147.00	40656	206.00	754688	334.00	41304
79.00	95904	148.00	91632	207.00	98984	365.00	90968
80.00	69160	155.00	43048	211.00	30152	372.00	35128
81.00	94152	156.00	62456	217.00	185408	423.00	128216
86.00	28568	161.00	34912	221.00	159808	424.00	30536
93.00	156608	165.00	27832	223.00	45448	441.00	346112
98.00	125168	167.00	153984	224.00	384576	442.00	2148864
99.00	93800	168.00	73344	225.00	100672	443.00	425152
101.00	52360	174.00	31792	227.00	153024	444.00	40952
104.00	35704	175.00	58464	229.00	33528		
105.00	33464	179.00	110960	244.00	319040		
107.00	417152	180.00	73568	245.00	43744		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10489.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	22-Sep-2009 22:17:30	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:	49402	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:42:20	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:42:20

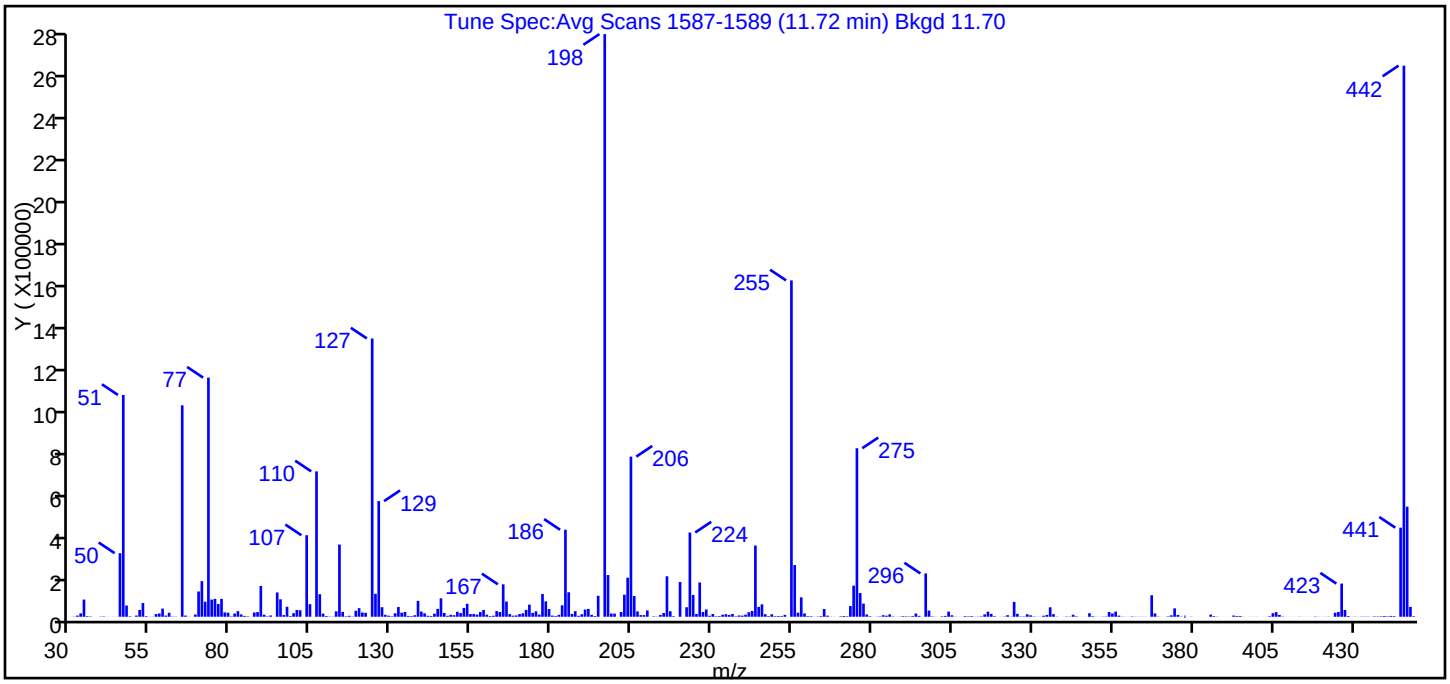
WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.412	11.412	0.000	2336874		
82 DFTPP	198	11.725	11.722	0.003	2935532		
86 Benzidine	184	12.826	12.826	0.000	9643560		
88 4,4'-DDD	235	13.495	13.492	0.003	335940		
90 4,4'-DDT	235	13.995	13.992	0.003	5960746		

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10489.D		
Inj Date:	22-Sep-2009 22:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49402	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	38.07
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	36.29
70	Less than 2.00% of mass 69	0.21 (0.58)
127	40.00 - 60.00% of mass 198	47.76
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.16
275	10.00 - 30.00% of mass 198	28.93
365	Greater than 1.00% of mass 198	3.70
441	Present, but less than mass 443%	15.29 (80.94)
442	Greater than 40.00% of mass 198	94.58
443	17.00 - 23.00% of mass 442	18.90 (19.98)

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10489.D\8270B.rslt\spectra.d
Injection Date: 22-Sep-2009 22:17:30
Spectrum: Tune Spec:Avg Scans 1587-1589 (11.72 min) Bkgd 11.70
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 92

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	80184	108.00	58632	181.00	35880	245.00	45848
50.00	296128	110.00	677056	185.00	53472	246.00	57840
51.00	1032832	111.00	105040	186.00	405120	255.00	1566208
52.00	52368	117.00	336384	187.00	114152	256.00	240832
56.00	31776	122.00	27872	192.00	33840	258.00	90544
57.00	63880	123.00	40128	193.00	36528	265.00	36216
63.00	38128	127.00	1295872	196.00	97704	273.00	49976
69.00	984640	128.00	106944	198.00	2713088	274.00	144832
74.00	117728	129.00	538560	199.00	194368	275.00	784768
75.00	165824	130.00	44528	204.00	102848	276.00	110432
76.00	70296	135.00	45384	205.00	181824	277.00	61160
77.00	1113600	141.00	74168	206.00	745728	296.00	201792
78.00	79896	147.00	36848	207.00	96904	297.00	28888
79.00	83400	148.00	85816	211.00	29504	323.00	69200
80.00	59712	155.00	41192	217.00	188608	334.00	43960
81.00	83176	156.00	60440	221.00	161856	365.00	100288
93.00	143424	161.00	31944	223.00	44472	372.00	39112
98.00	113384	167.00	151104	224.00	392448	423.00	154496
99.00	81232	168.00	70816	225.00	101592	424.00	31608
101.00	46616	174.00	32128	227.00	159552	441.00	414912
104.00	31816	175.00	56472	229.00	33944	442.00	2566144
105.00	30304	179.00	106208	243.00	27224	443.00	512640
107.00	379776	180.00	71888	244.00	331584	444.00	45904

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		

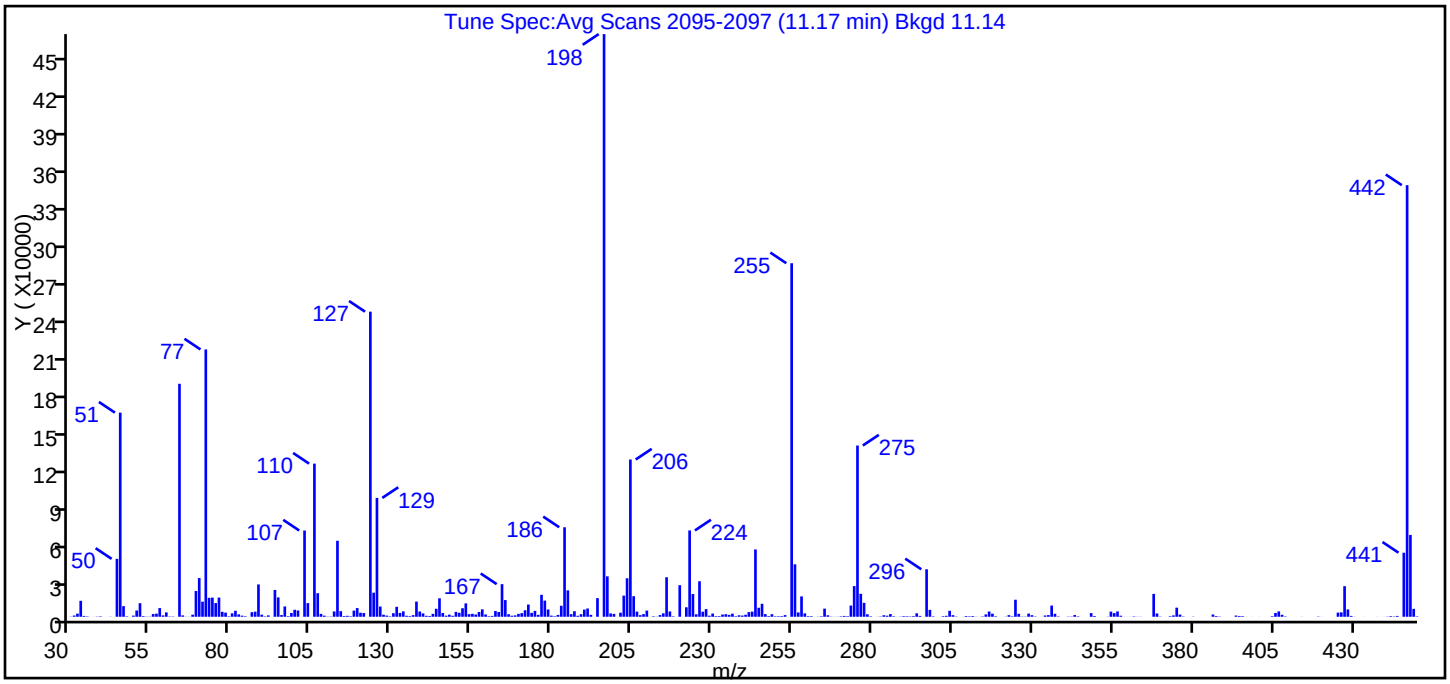
Report Date: 23-Sep-2009 14:50:03

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)

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

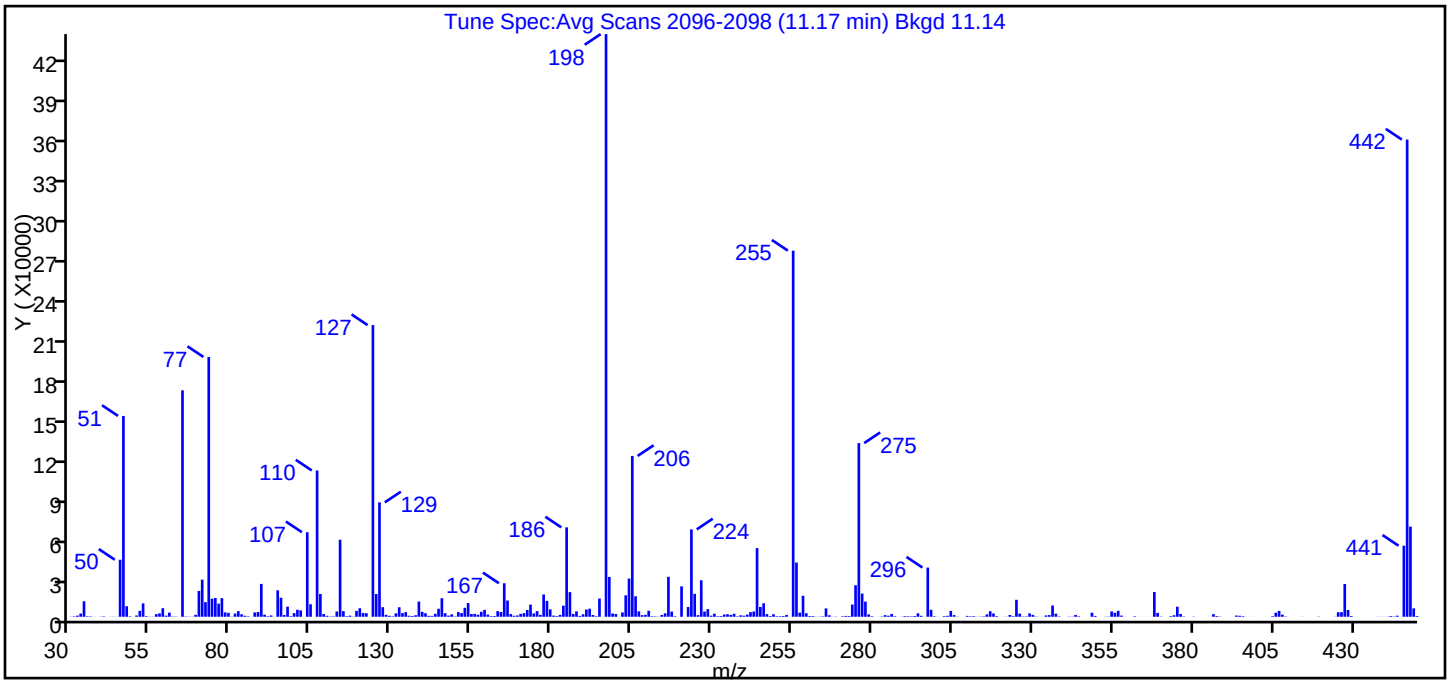
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.644	10.641	0.003	357100		
82 DFTPP	198	11.173	11.170	0.003	497155		
86 Benzidine	184	12.149	12.146	0.003	1317382		
88 4,4'-DDD	235	12.669	12.665	0.004	46892		
90 4,4'-DDT	235	12.962	12.959	0.003	1034639		

Chrom Revision: 1.1 20-Sep-2009 21:03:36

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.: 360-24444-2

SDG No.: OCRI-11A

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.: 360-24444-2

SDG No.: OCRI-11A

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.: 360-24444-2

SDG No.: OCRI-11A

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.: 360-24444-2
SDG No.: OCRI-11A
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

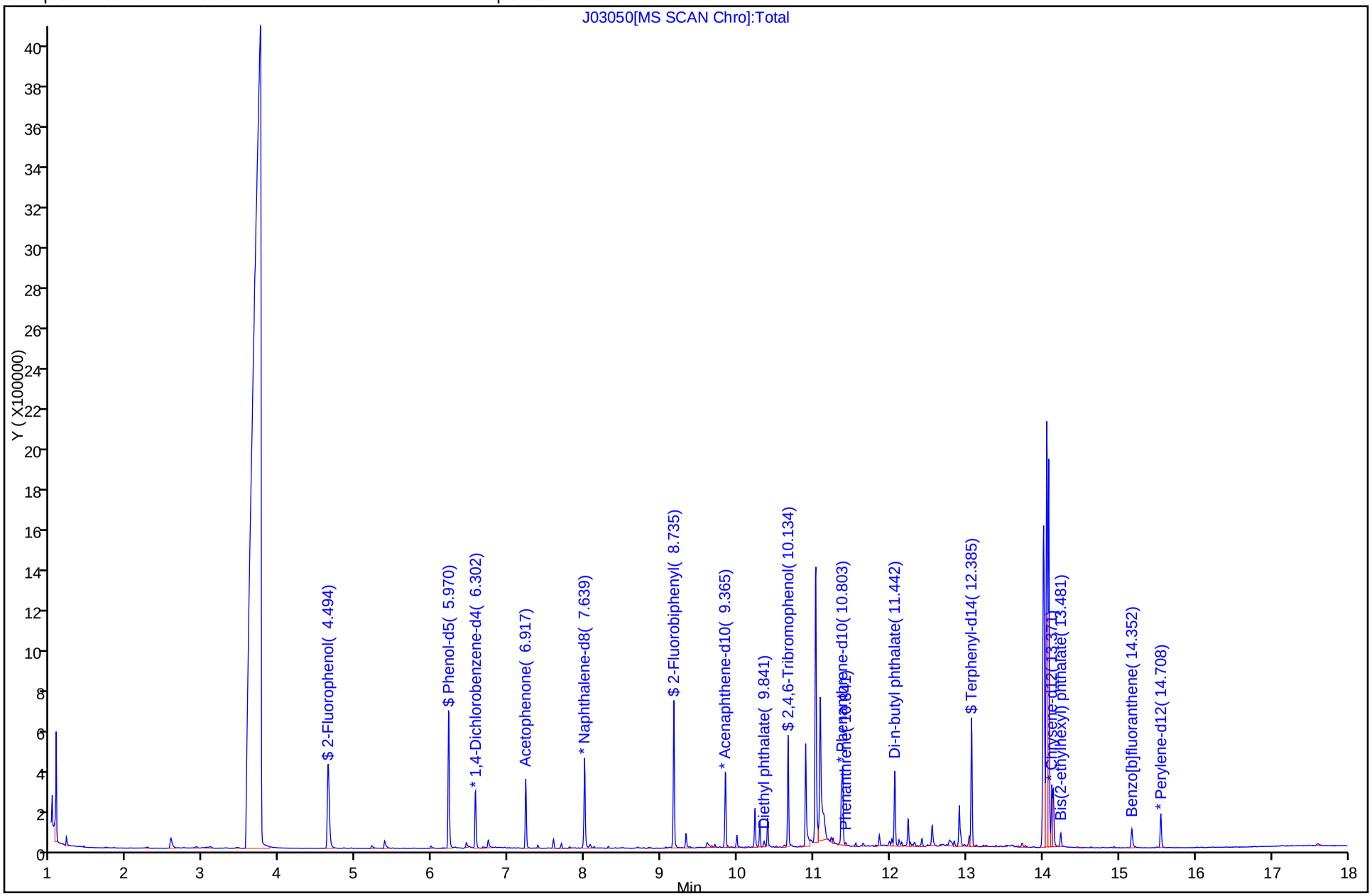
Inj Date: 21-Sep-2009 19:53:30 Limit Group: SMS - 8270LL SVOA Calibration

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

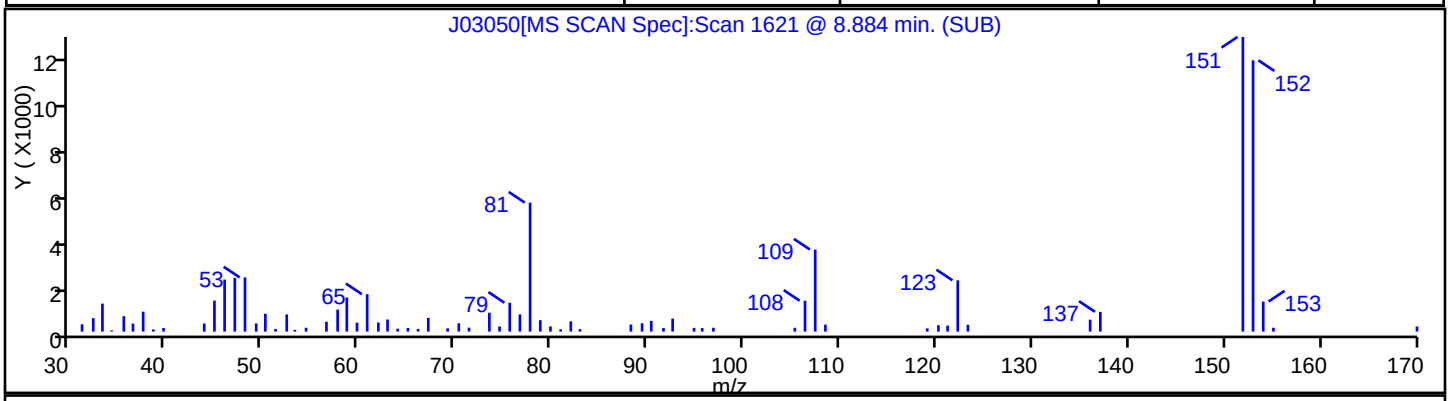
Lims Batch ID: 49259 Lims Sample ID: 12

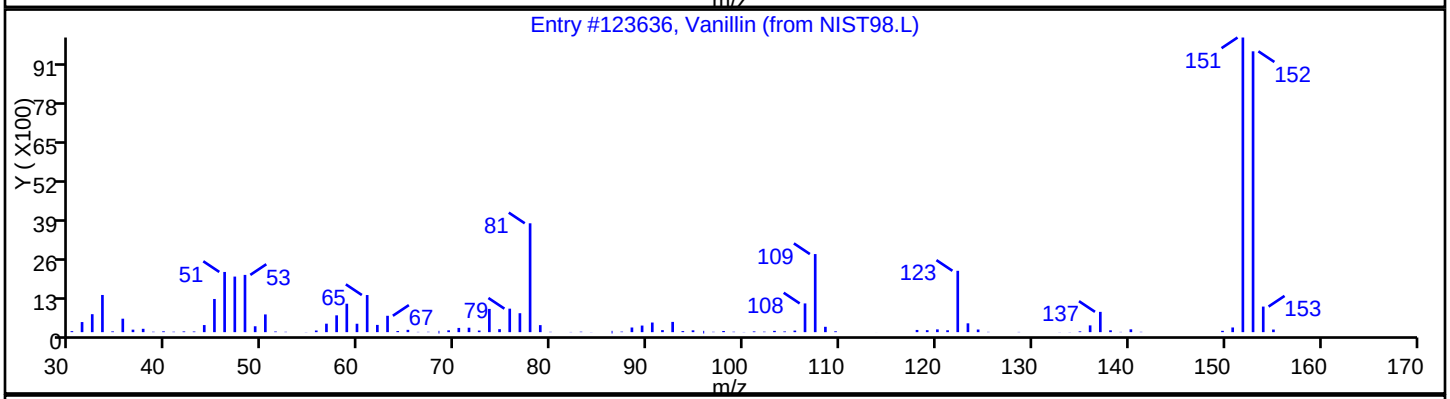
Client ID: Instrument: Inst. J

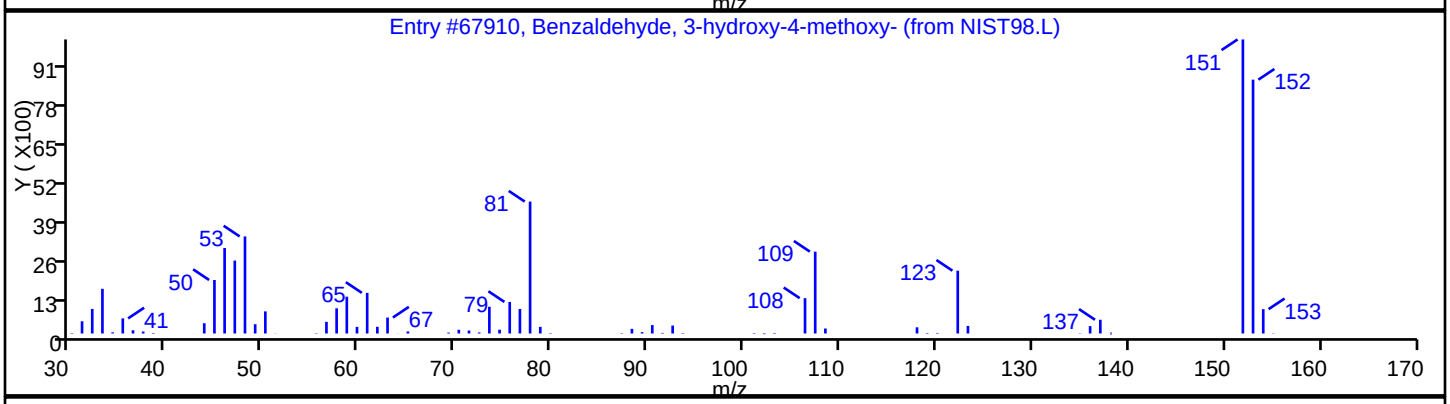
Sample Info: mb 360-48924/1-a

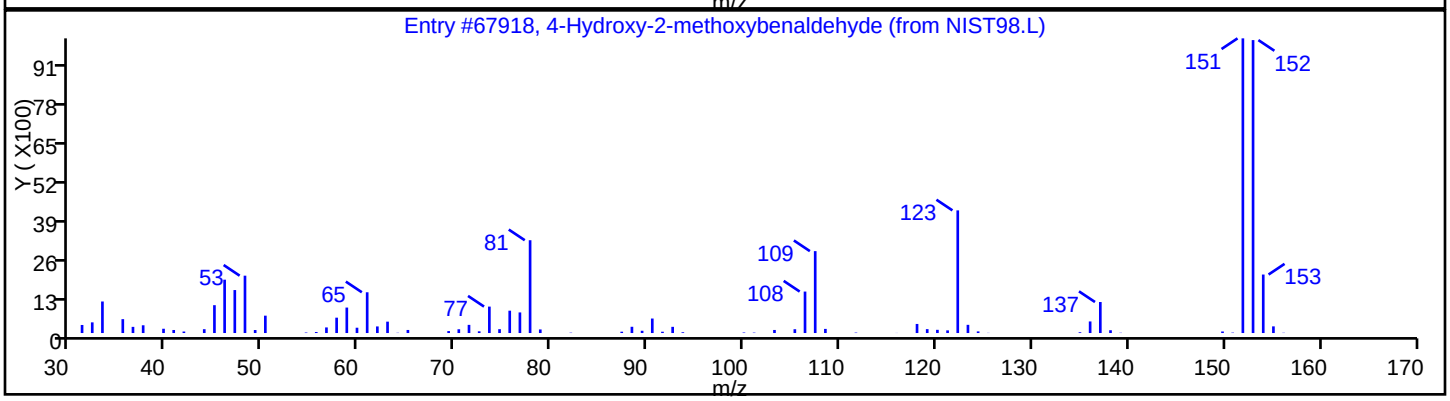
Sample Amount: 1.00 ul Operator:

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

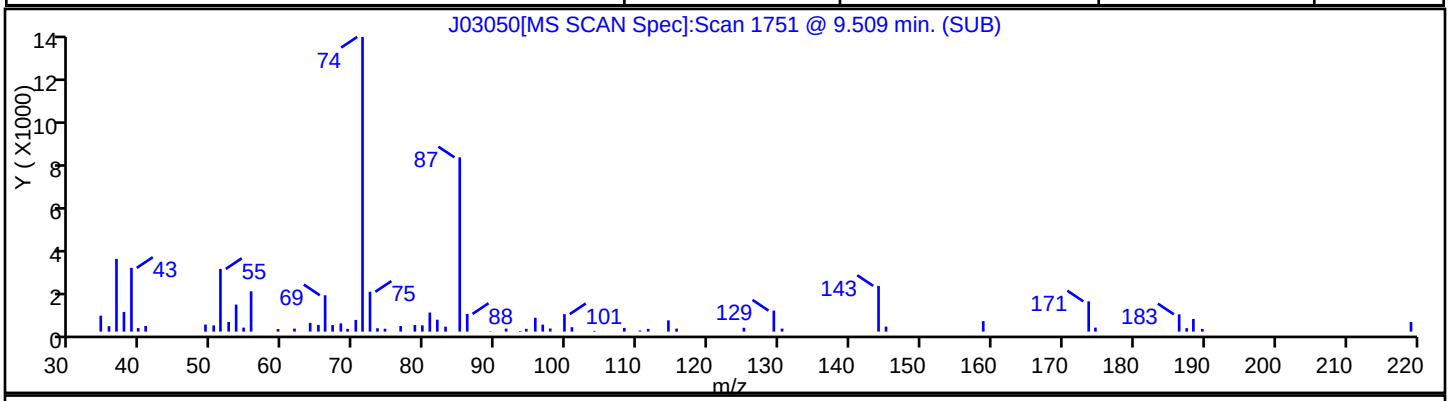
Lims Batch ID: 49259 Lims Sample ID: 12

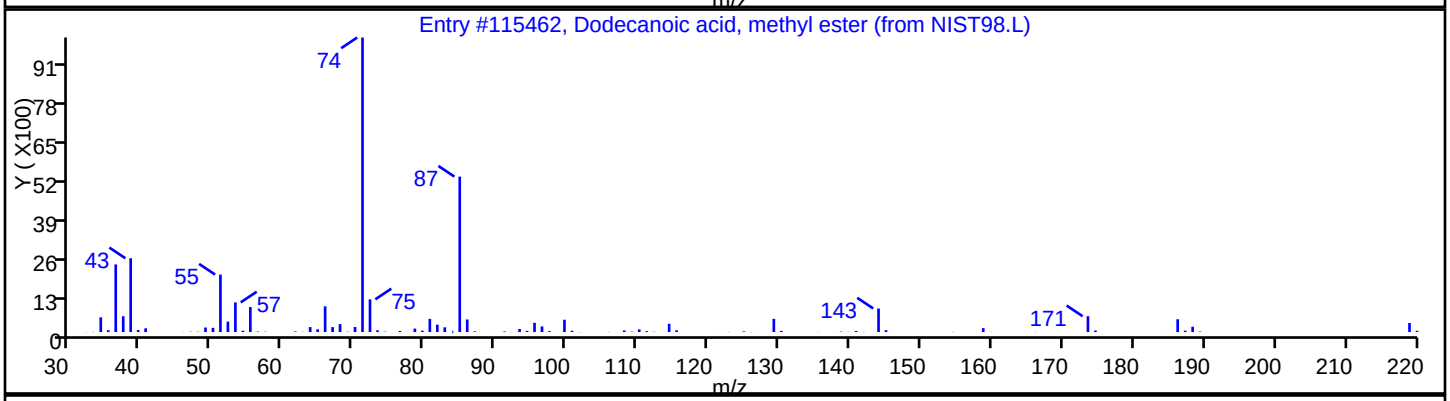
Client ID: Instrument: Inst. J

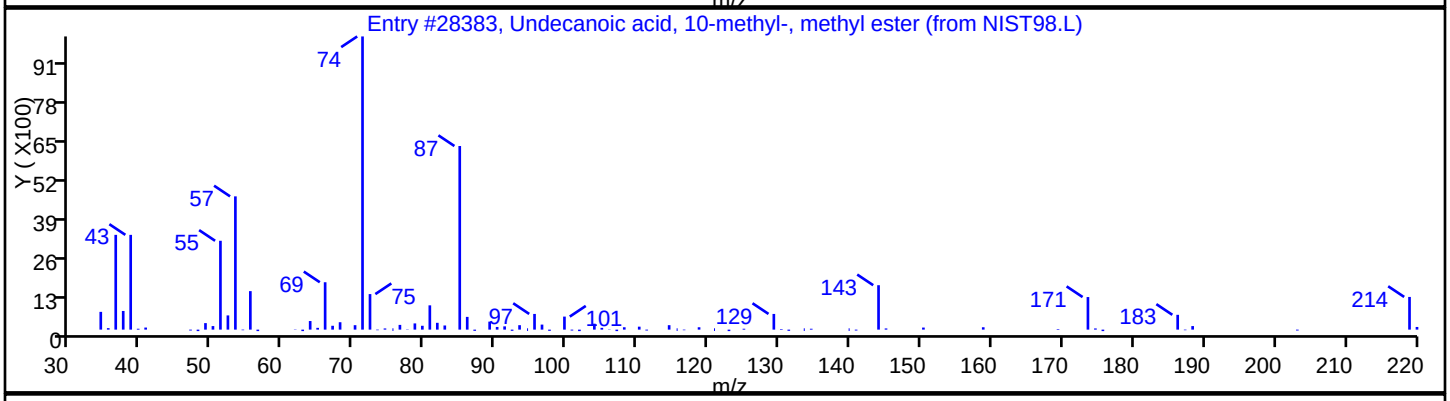
Sample Info: mb 360-48924/1-a

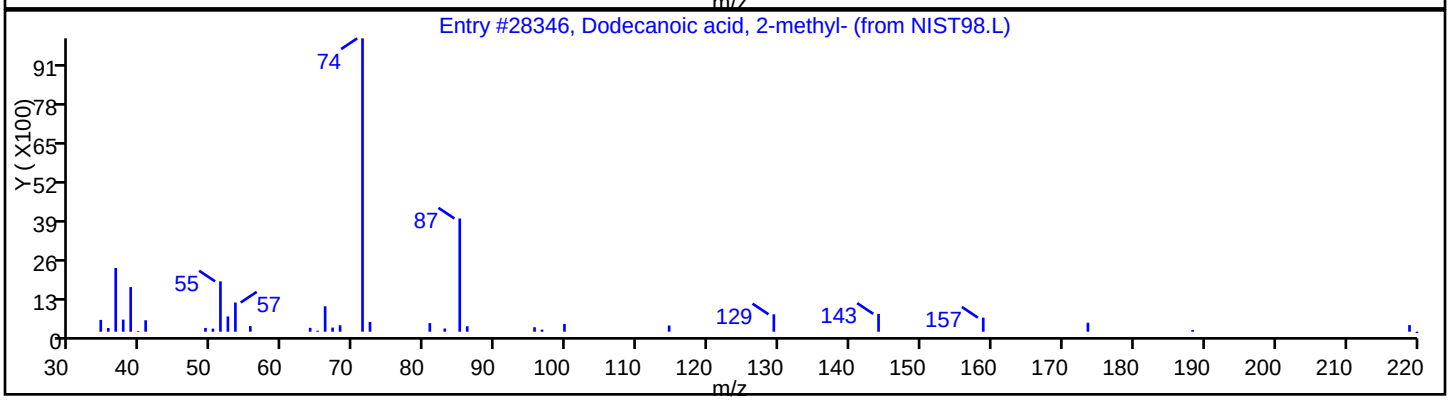
Sample Amount: 1.00 ul Operator:

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

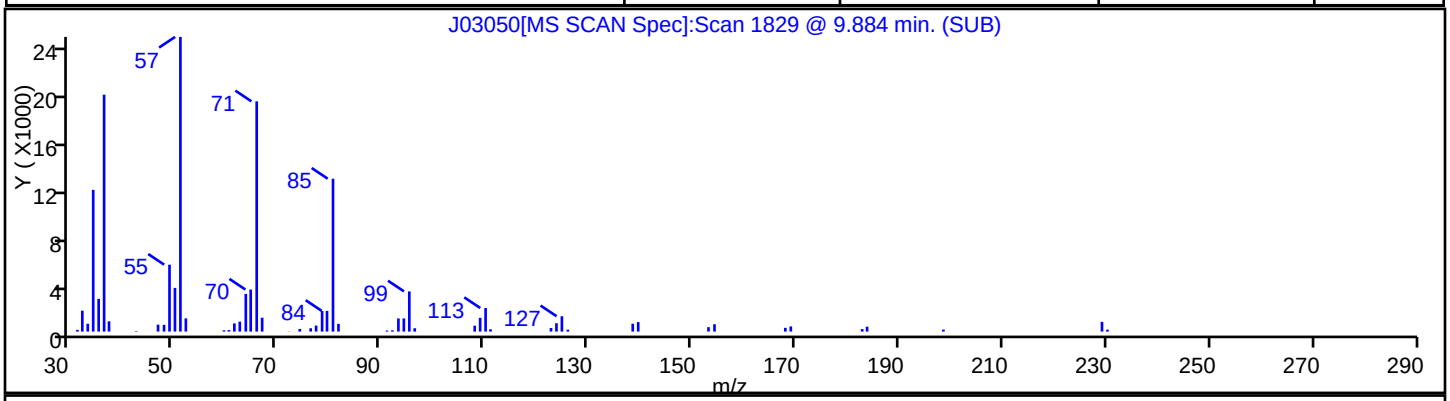
Lims Batch ID: 49259 Lims Sample ID: 12

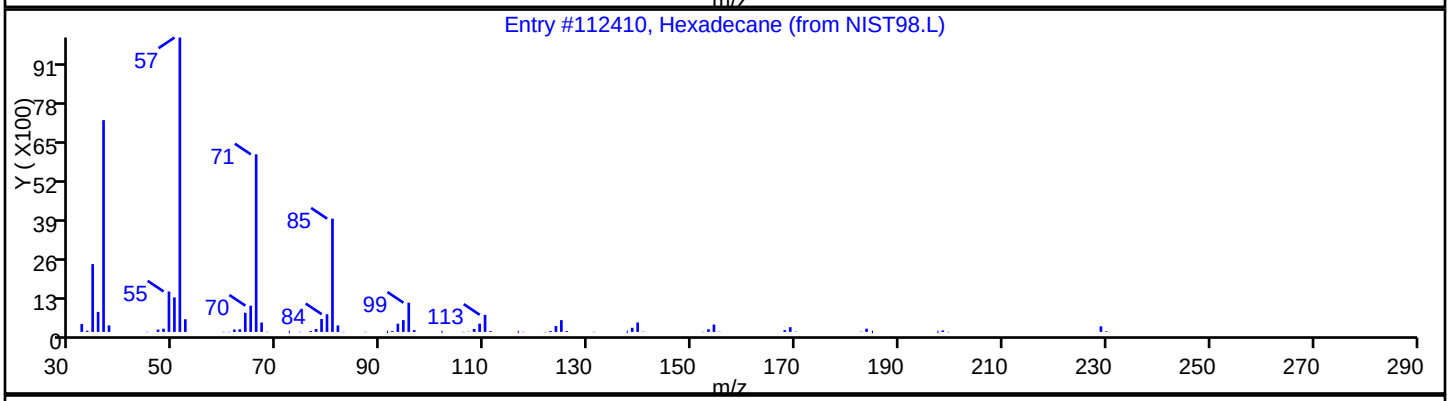
Client ID: Instrument: Inst. J

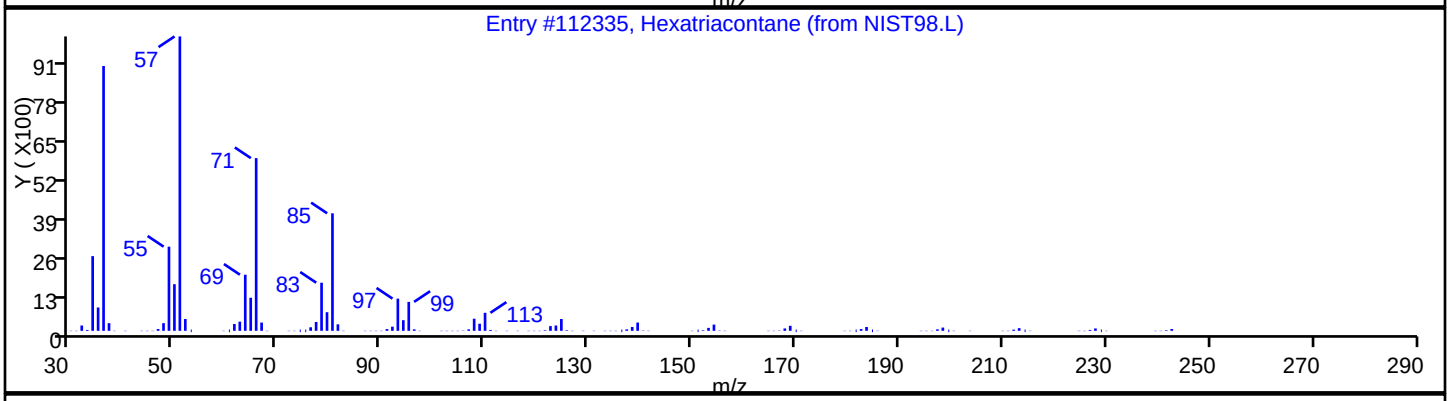
Sample Info: mb 360-48924/1-a

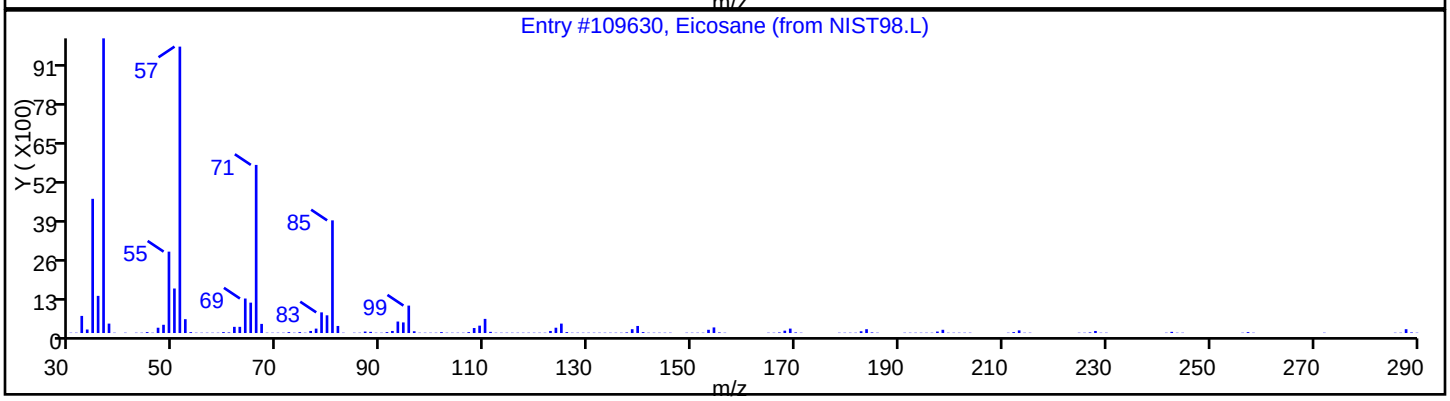
Sample Amount: 1.00 ul Operator:

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

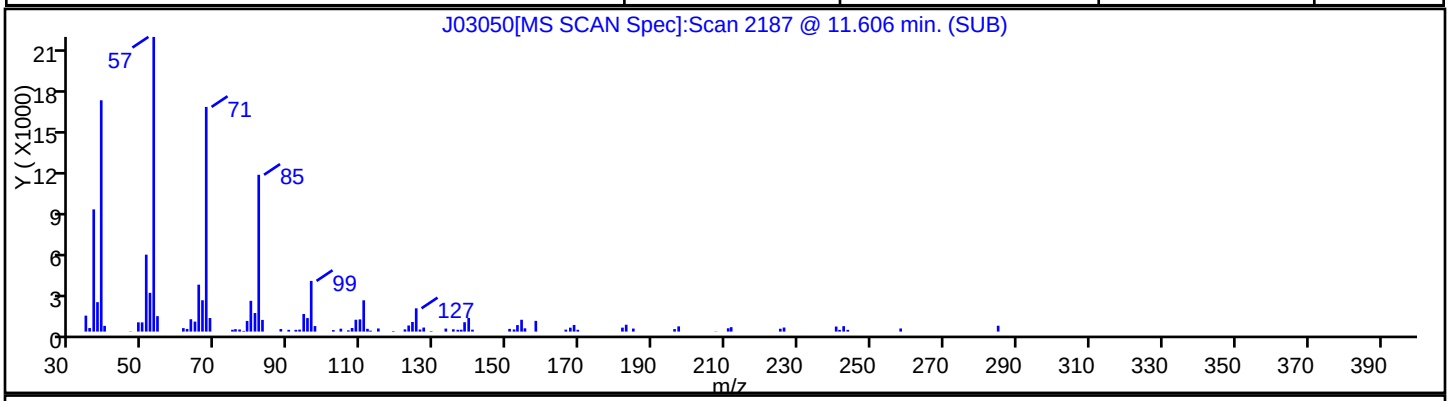
Lims Batch ID: 49259 Lims Sample ID: 12

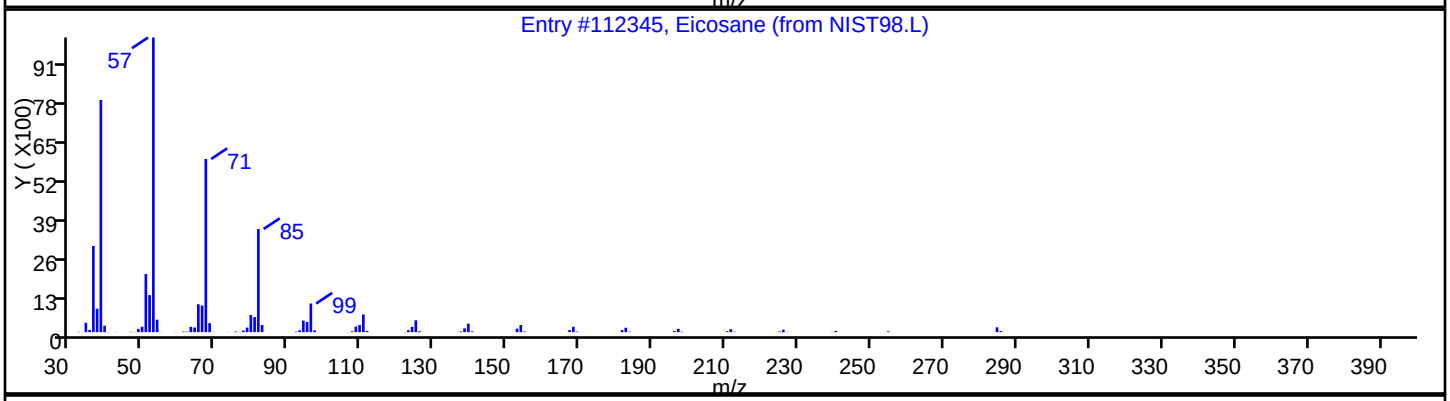
Client ID: Instrument: Inst. J

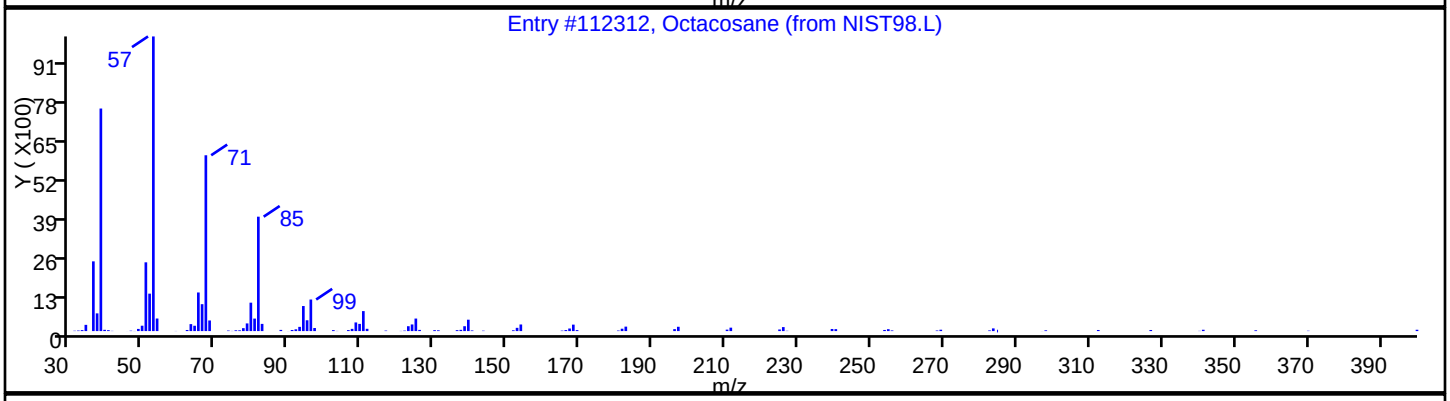
Sample Info: mb 360-48924/1-a

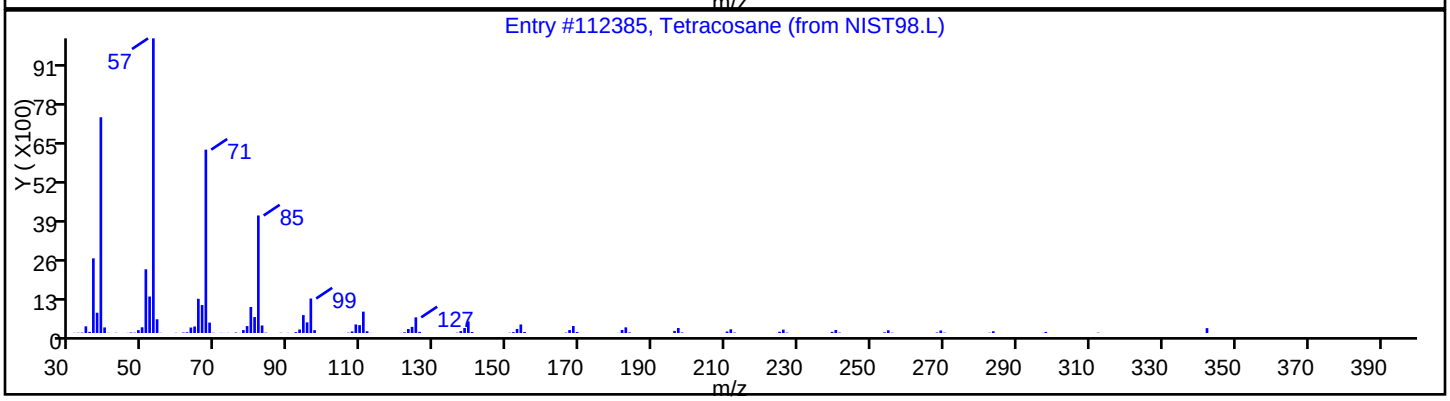
Sample Amount: 1.00 ul Operator:

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

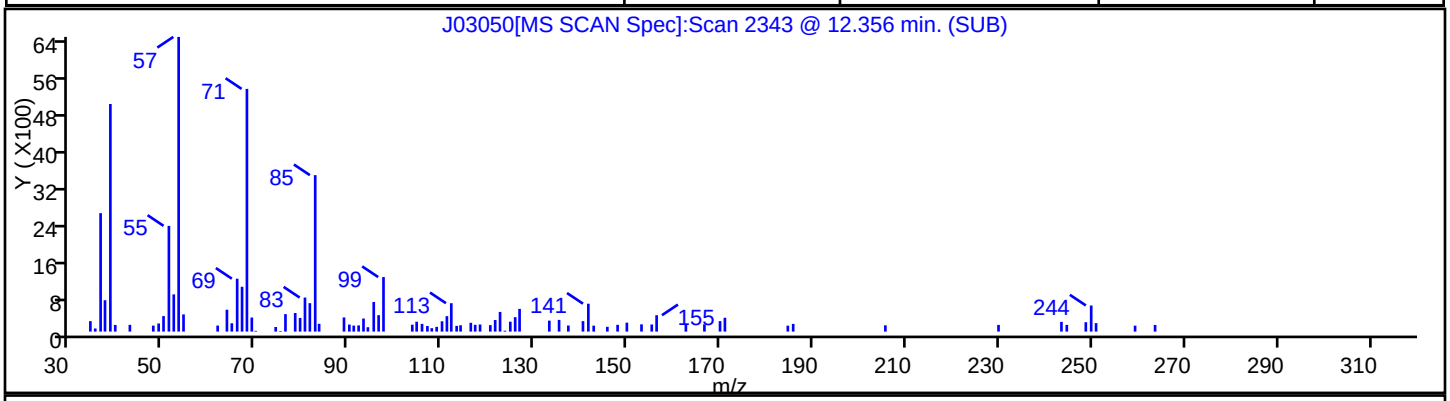
Lims Batch ID: 49259 Lims Sample ID: 12

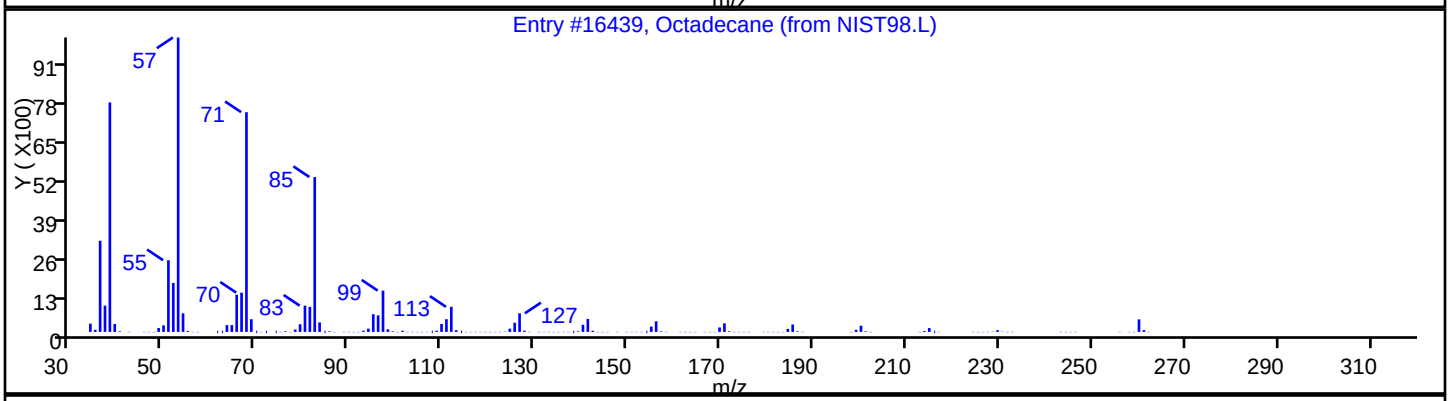
Client ID: Instrument: Inst. J

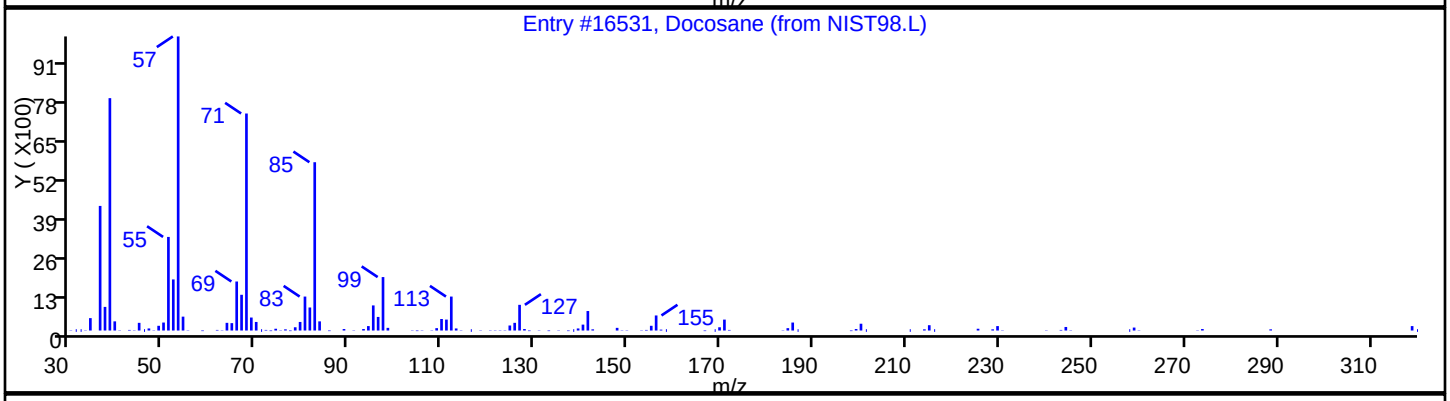
Sample Info: mb 360-48924/1-a

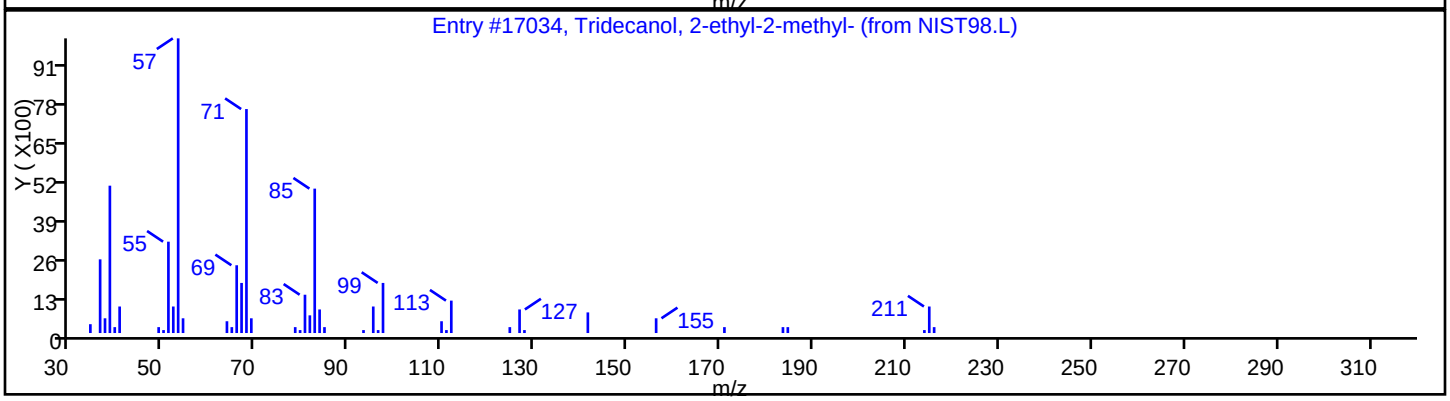
Sample Amount: 1.00 ul Operator:

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.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: | Lab Sample ID: MB 360-49016/1-A

Matrix: Solid | Lab File ID: B10486.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 20:43

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		33	10
120-82-1	1,2,4-Trichlorobenzene	ND		33	10
95-50-1	1,2-Dichlorobenzene	ND		33	10
541-73-1	1,3-Dichlorobenzene	ND		33	10
106-46-7	1,4-Dichlorobenzene	ND		33	10
90-12-0	1-Methylnaphthalene	ND		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	ND		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	ND		33	10
95-95-4	2,4,5-Trichlorophenol	ND		33	10
88-06-2	2,4,6-Trichlorophenol	ND		33	10
120-83-2	2,4-Dichlorophenol	ND		33	10
105-67-9	2,4-Dimethylphenol	ND		33	13
51-28-5	2,4-Dinitrophenol	ND		33	10
121-14-2	2,4-Dinitrotoluene	ND		33	10
606-20-2	2,6-Dinitrotoluene	ND		33	10
91-58-7	2-Chloronaphthalene	ND		33	10
95-57-8	2-Chlorophenol	ND		33	10
91-57-6	2-Methylnaphthalene	ND		33	10
95-48-7	2-Methylphenol	ND		33	20
88-74-4	2-Nitroaniline	ND		170	10
88-75-5	2-Nitrophenol	ND		33	10
15831-10-4	3 & 4 Methylphenol	ND		33	10
91-94-1	3,3'-Dichlorobenzidine	ND		67	10
99-09-2	3-Nitroaniline	ND		170	10
534-52-1	4,6-Dinitro-2-methylphenol	ND		170	10
101-55-3	4-Bromophenyl phenyl ether	ND		33	10
59-50-7	4-Chloro-3-methylphenol	ND		67	10
106-47-8	4-Chloroaniline	ND		67	10
7005-72-3	4-Chlorophenyl phenyl ether	ND		33	10
100-01-6	4-Nitroaniline	ND		170	10
100-02-7	4-Nitrophenol	ND		170	10
83-32-9	Acenaphthene	ND		33	10
208-96-8	Acenaphthylene	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: | Lab Sample ID: MB 360-49016/1-A

Matrix: Solid | Lab File ID: B10486.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 20:43

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		33	10
62-53-3	Aniline	ND		33	10
120-12-7	Anthracene	ND		33	10
1912-24-9	Atrazine	ND		33	10
103-33-3	Azobenzene	ND		33	10
100-52-7	Benzaldehyde	ND		33	10
56-55-3	Benzo[a]anthracene	ND		33	10
50-32-8	Benzo[a]pyrene	ND		33	10
205-99-2	Benzo[b]fluoranthene	ND		33	10
191-24-2	Benzo[g,h,i]perylene	ND		33	10
207-08-9	Benzo[k]fluoranthene	ND		33	10
65-85-0	Benzoic acid	97.4	J	170	15
119-61-9	Benzophenone	ND		33	10
100-51-6	Benzyl alcohol	ND		67	28
111-91-1	Bis(2-chloroethoxy)methane	ND		33	10
111-44-4	Bis(2-chloroethyl)ether	ND		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	162		33	10
85-68-7	Butyl benzyl phthalate	ND		33	10
105-60-2	Caprolactam	ND		33	10
86-74-8	Carbazole	ND		33	10
218-01-9	Chrysene	ND		33	10
53-70-3	Dibenz(a,h)anthracene	ND		33	10
132-64-9	Dibenzofuran	ND		33	10
84-66-2	Diethyl phthalate	ND		33	10
131-11-3	Dimethyl phthalate	ND		33	10
84-74-2	Di-n-butyl phthalate	68.0		33	29
117-84-0	Di-n-octyl phthalate	ND		33	17
101-84-8	Diphenyl oxide	ND		33	10
206-44-0	Fluoranthene	ND		33	10
86-73-7	Fluorene	ND		33	10
118-74-1	Hexachlorobenzene	ND		33	10
87-68-3	Hexachlorobutadiene	ND		33	10
77-47-4	Hexachlorocyclopentadiene	ND		67	10
67-72-1	Hexachloroethane	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: | Lab Sample ID: MB 360-49016/1-A

Matrix: Solid | Lab File ID: B10486.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 20:43

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		33	10
78-59-1	Isophorone	ND		33	10
91-20-3	Naphthalene	ND		80	10
98-95-3	Nitrobenzene	ND		33	10
62-75-9	N-Nitrosodimethylamine	ND		33	12
621-64-7	N-Nitrosodi-n-propylamine	ND		33	10
86-30-6	N-Nitrosodiphenylamine	ND		33	10
87-86-5	Pentachlorophenol	ND		33	10
85-01-8	Phenanthrene	ND		40	10
108-95-2	Phenol	ND		33	10
129-00-0	Pyrene	ND		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	81	30-130	
321-60-8	2-Fluorobiphenyl	76	30-130	
367-12-4	2-Fluorophenol	106	30-130	
4165-60-0	Nitrobenzene-d5	88	30-130	
4165-62-2	Phenol-d5	90	30-130	
1718-51-0	Terphenyl-d14	90	30-130	

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

Lab Name: TestAmerica Westfield
Job No.: 360-24444-2
SDG No.: OCRI-11A
Client Sample ID:
Lab Sample ID: MB 360-49016/1-A
Matrix: Solid
Lab File ID: B10486.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3546
Date Extracted: 09/16/2009 11:53
Sample wt/vol: 30.00(g)
Date Analyzed: 09/22/2009 20:43
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1.0(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49400
Units: ug/Kg
Number TICs Found: 5
TIC Result Total: 176.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
621-59-0	Benzaldehyde, 3-hydroxy-4-methoxy-	9.83	15.1	T J N
111-82-0	Dodecanoic acid, methyl ester	10.28	11.9	T J N
593-45-3	Octadecane	11.38	63.3	T J N
112-95-8	Eicosane	12.08	31.5	T J N
7683-64-9	Squalene	16.44	54.3	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D		
Lims ID:	MB 360-49016/1-A	Client ID:	
Inject. Date:	22-Sep-2009 20:43:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-49016/1-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49400	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:53:38	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:53:38

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.695	7.691	0.004	328205	2.00	
* 2 Naphthalene-d8	136	8.820	8.821	-0.001	799403	2.00	
* 3 Acenaphthene-d10	164	10.320	10.321	-0.001	395609	2.00	
* 4 Phenanthrene-d10	188	11.585	11.581	0.004	660935	2.00	
* 5 Chrysene-d12	240	14.990	14.990	0.000	463904	2.00	
* 6 Perylene-d12	264	17.384	17.385	-0.001	350406	2.00	
$ 7 2-Fluorophenol	112	6.449	6.407	0.042	853874	10.6	5
$ 8 Phenol-d5	99	7.329	7.320	0.009	1014558	9.02	
$ 9 Nitrobenzene-d5	82	8.185	8.186	-0.001	449397	4.38	
$ 10 2-Fluorobiphenyl	172	9.719	9.720	-0.001	994579	3.79	
$ 11 2,4,6-Tribromophenol	330	10.984	10.985	-0.001	196833	8.10	
$ 12 Terphenyl-d14	244	13.109	13.110	-0.001	845135	4.49	
20 Bis(2-chloroethyl)ether	93	7.435	7.431	0.004	2430	0.0258	
21 2-Chlorophenol	128	7.507	7.498	0.009	1954	0.0195	
22 1,4-Dichlorobenzene	146	7.647	7.642	0.005	2012	0.0161	
30 Acetophenone	105	8.041	8.042	-0.001	3396	0.0250	
36 Benzoic acid	105	8.507	8.513	-0.006	29447	2.92	5
40 Alpha-Terpineol	59	8.815	8.811	0.004	12399	0.1454	
46 2-Methylnaphthalene	142	9.426	9.426	0.000	2195	0.0110	
66 Diethyl phthalate	149	10.614	10.619	-0.005	9726	0.0387	
80 Phenanthrene	178	11.604	11.605	-0.001	6362	0.0186	
84 Di-n-butyl phthalate	149	11.984	11.985	-0.001	838788	2.04	
89 Butyl benzyl phthalate	149	13.768	13.769	-0.001	7790	0.1193	
92 Bis(2-ethylhexyl) phthalate	149	14.879	14.880	-0.001	1110839	4.86	
100 Indeno[1,2,3-cd]pyrene	276	19.596	19.602	-0.006	18250	0.1417	
101 Dibenz(a,h)anthracene	278	19.616	19.626	-0.010	14399	0.1403	
102 Benzo[g,h,i]perylene	276	20.255	20.270	-0.015	17404	0.1478	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D		
Lims ID:	MB 360-49016/1-A	Client ID:	
Inject. Date:	22-Sep-2009 20:43:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-49016/1-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49400	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:53:38	Calib Date:	22-Sep-2009 19:41:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:53:38

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

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
621-59-0 Benzaldehyde, 3-hydroxy-4-methoxy-						
9.830	390333	0.4533	3	97	67910	
111-82-0 Dodecanoic acid, methyl ester						
10.282	307877	0.3575	3	94	115462	
593-45-3 Octadecane						
11.378	1620438	1.90	4	97	112330	
112-95-8 Eicosane						
12.080	807478	0.9462	4	99	112344	
7683-64-9 Squalene						
16.437	872895	1.63	6	91	114263	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	10.320	1722309	2.00
* 4 Phenanthrene-d10	11.580	1706704	2.00
* 6 Perylene-d12	17.384	1071795	2.00

QC Flag Legend

Processing Flags

Report Date: 24-Sep-2009 11:53:39 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D

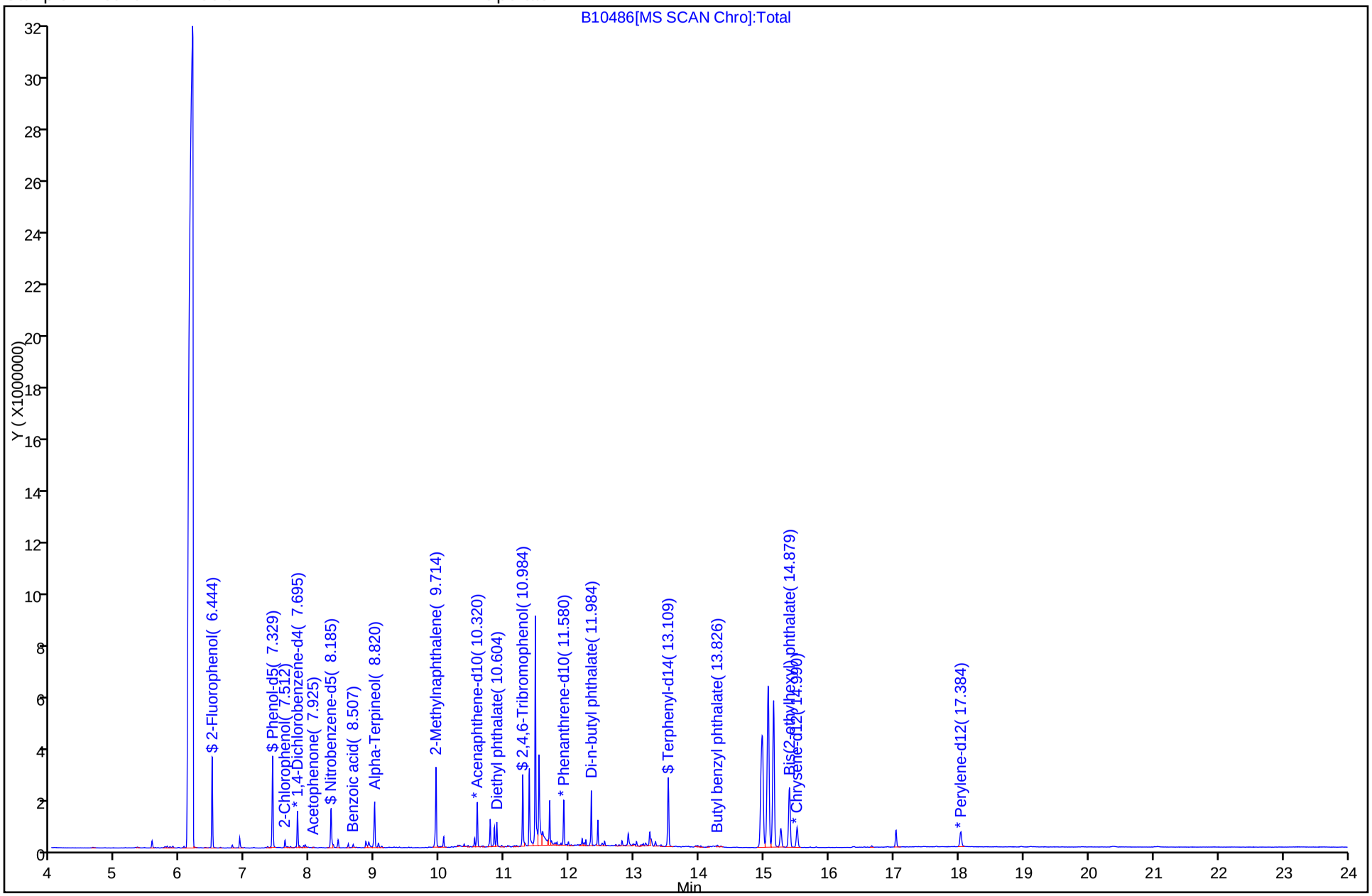
Inj Date: 22-Sep-2009 20:43:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 12

Client ID: Instrument: Inst. B

Sample Info: mb 360-49016/1-a

Sample Amount: 1.00 ul Operator: MZ



Report Date: 24-Sep-2009 11:53:40 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D

Inj Date: 22-Sep-2009 20:43:30 Limit Group: SMS - 8270LL SVOA Calibration

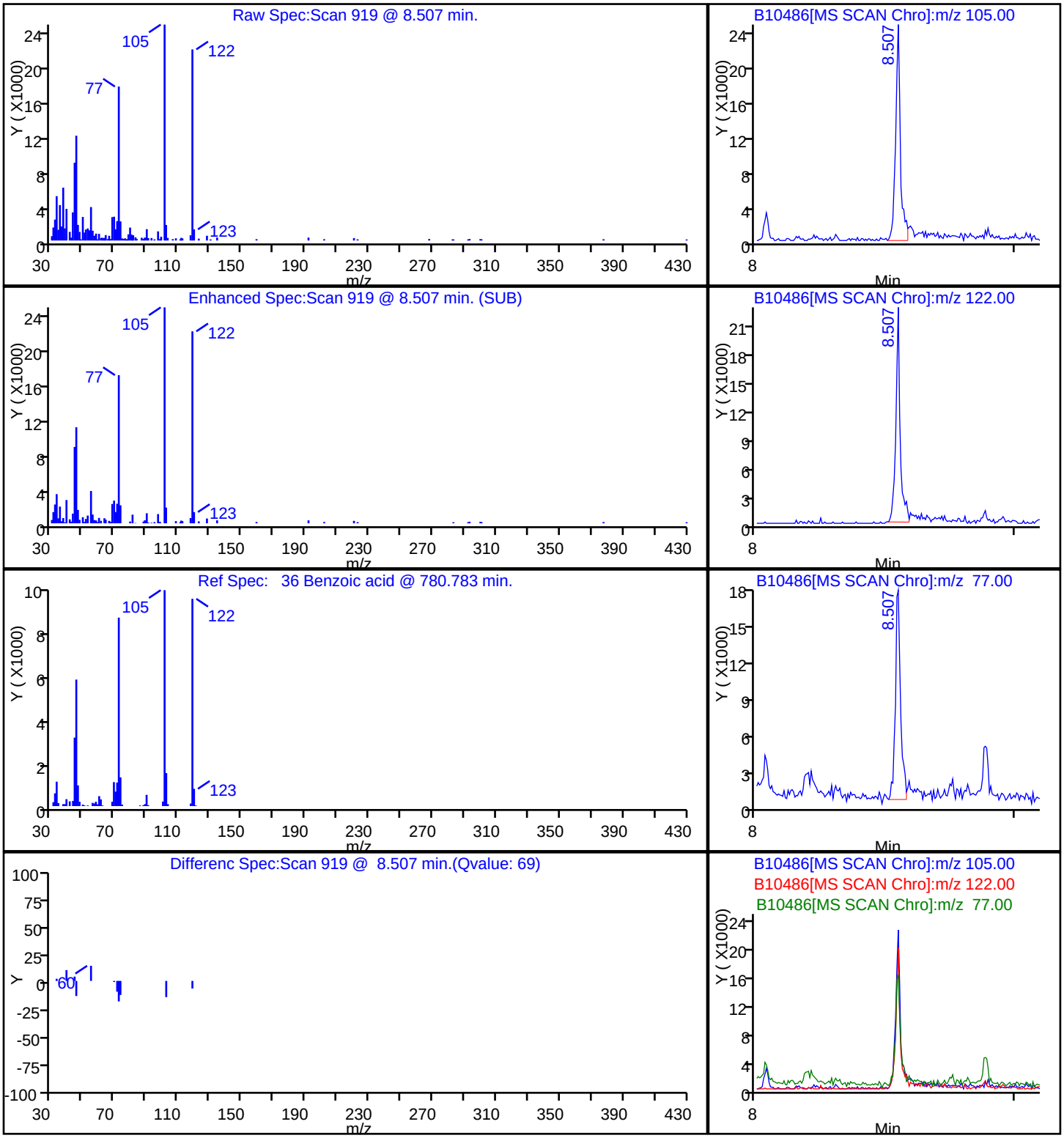
Lims Batch ID: 49400 Lims Sample ID: 12

Client ID: Instrument: Inst. B

Sample Info: mb 360-49016/1-a

Sample Amount: 1.00 ul Operator: MZ

36 Benzoic acid



Report Date: 24-Sep-2009 11:53:43 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D

Inj Date: 22-Sep-2009 20:43:30 Limit Group: SMS - 8270LL SVOA Calibration

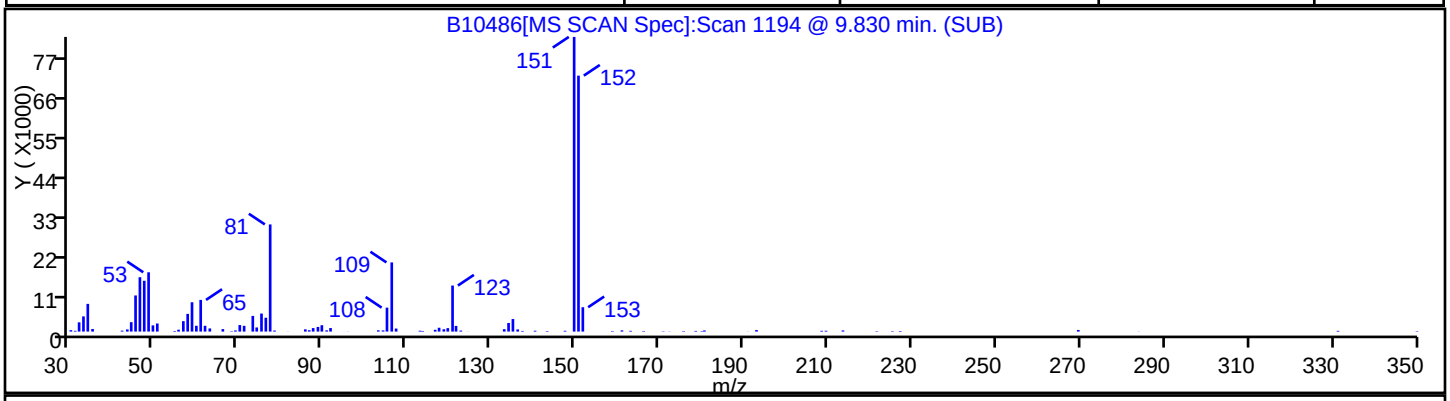
Lims Batch ID: 49400 Lims Sample ID: 12

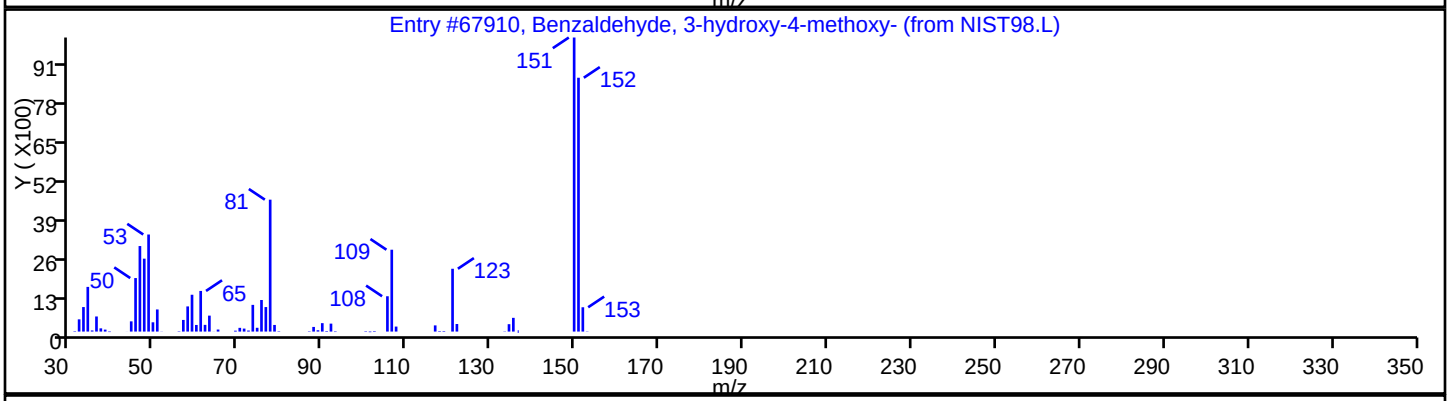
Client ID: Instrument: Inst. B

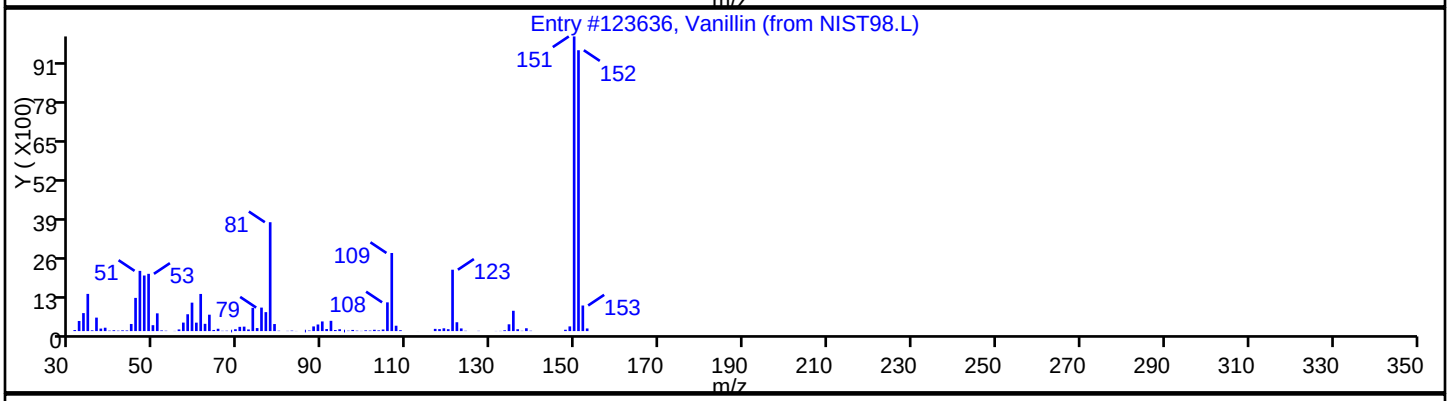
Sample Info: mb 360-49016/1-a

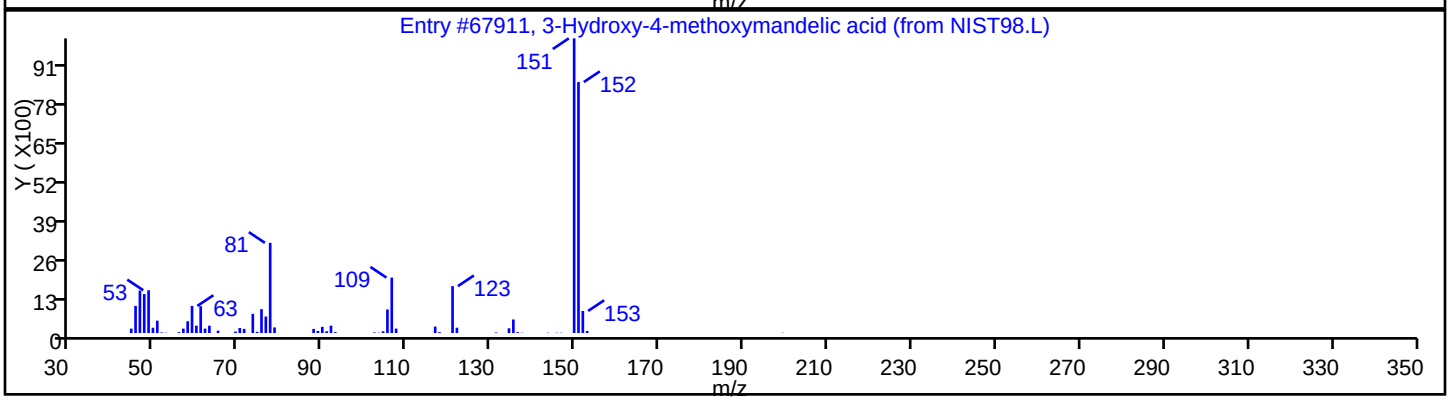
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzaldehyde, 3-hydroxy-4-methoxy-	621-59-0	NIST98.L	67910	97
Vanillin	121-33-5	NIST98.L	123636	90
3-Hydroxy-4-methoxymandelic acid	3695-24-7	NIST98.L	67911	90









Report Date: 24-Sep-2009 11:53:43 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D

Inj Date: 22-Sep-2009 20:43:30 Limit Group: SMS - 8270LL SVOA Calibration

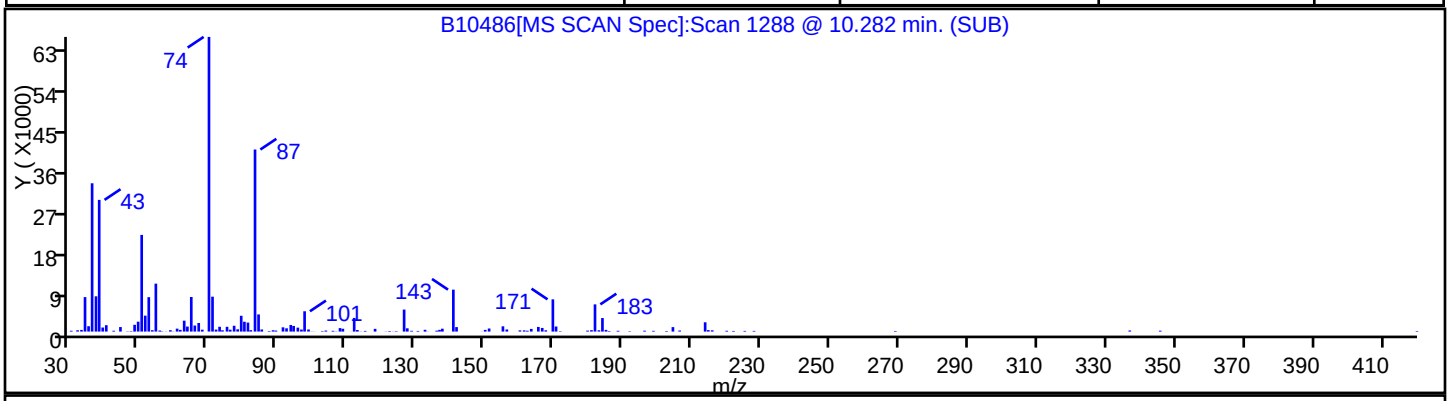
Lims Batch ID: 49400 Lims Sample ID: 12

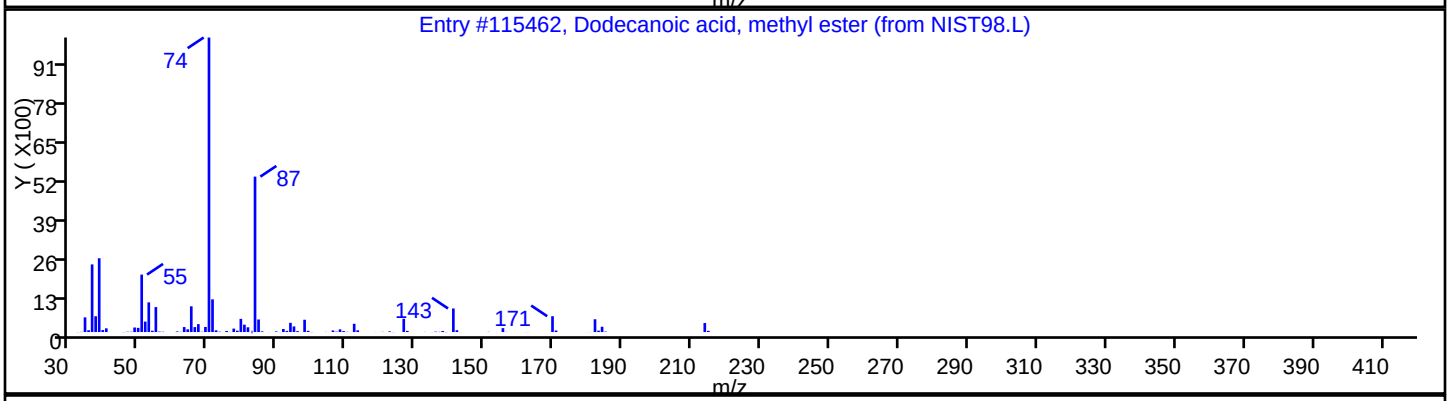
Client ID: Instrument: Inst. B

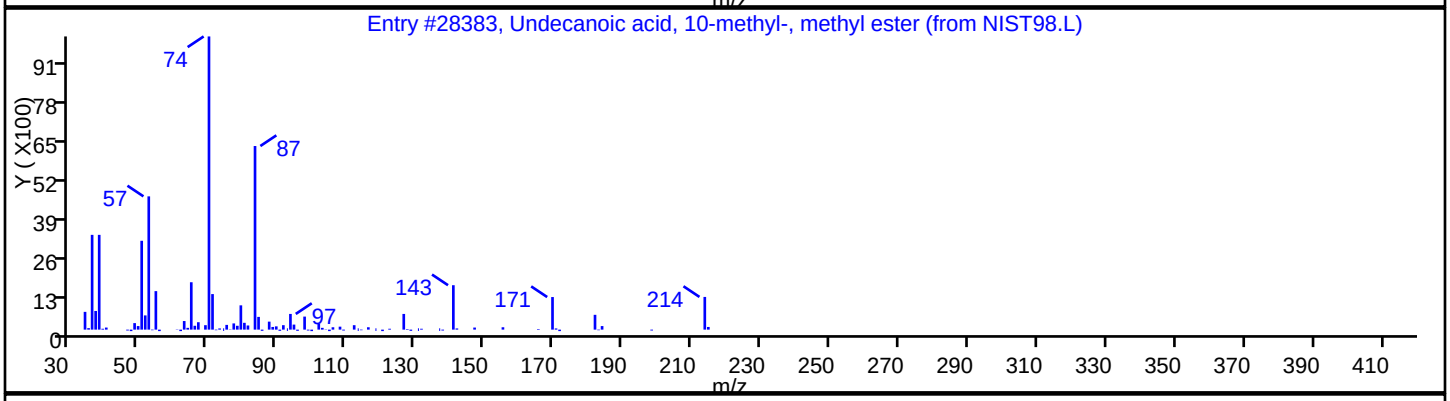
Sample Info: mb 360-49016/1-a

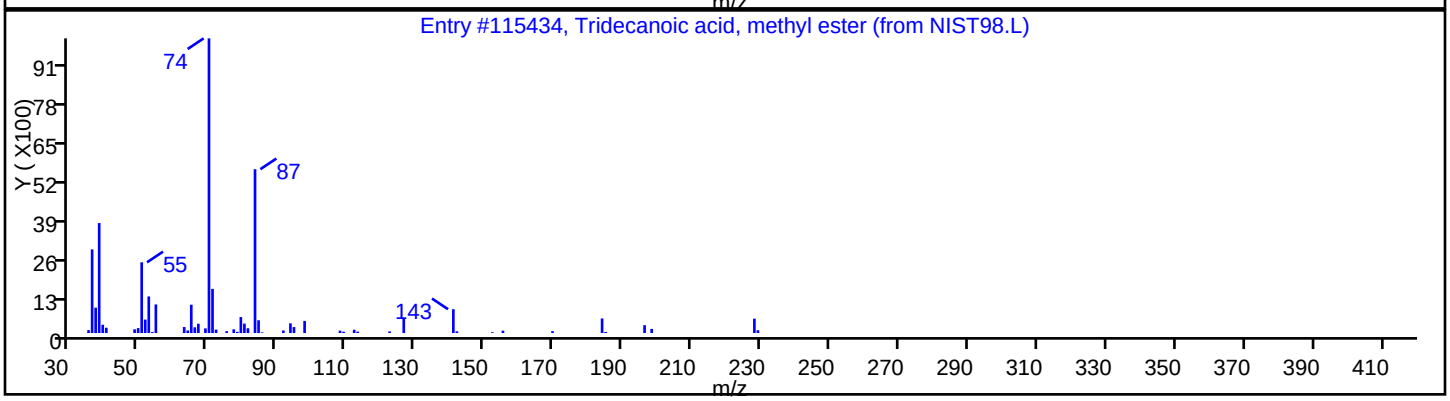
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Dodecanoic acid, methyl ester	111-82-0	NIST98.L	115462	94
Undecanoic acid, 10-methyl-, methyl este	5129-56-6	NIST98.L	28383	83
Tridecanoic acid, methyl ester	1731-88-0	NIST98.L	115434	80









Report Date: 24-Sep-2009 11:53:43 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D

Inj Date: 22-Sep-2009 20:43:30 Limit Group: SMS - 8270LL SVOA Calibration

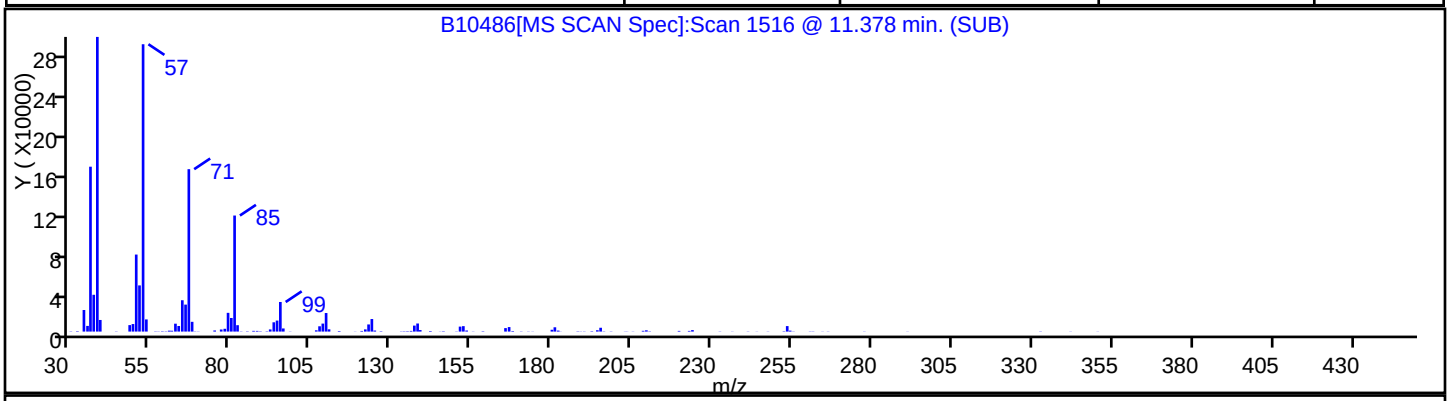
Lims Batch ID: 49400 Lims Sample ID: 12

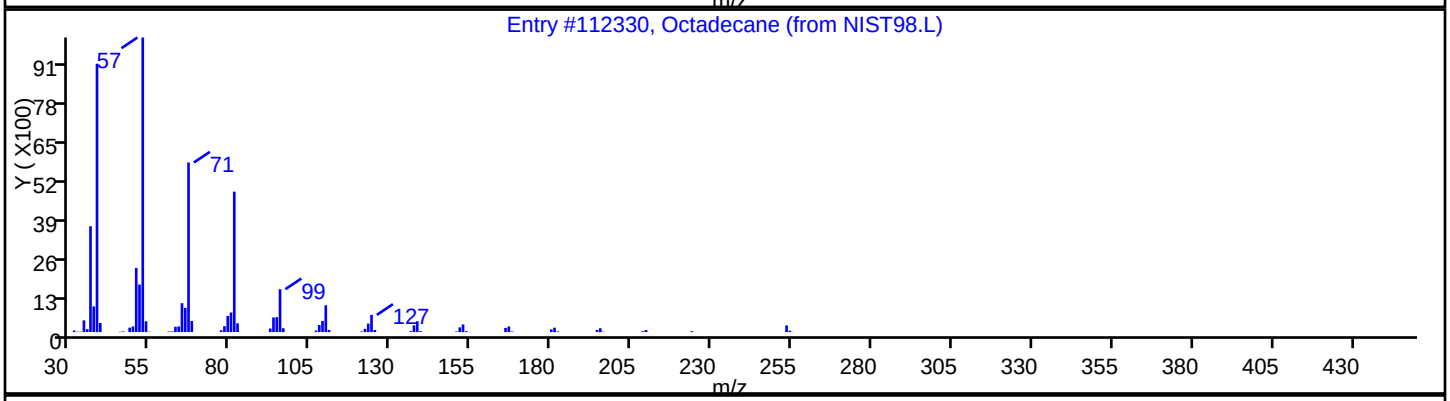
Client ID: Instrument: Inst. B

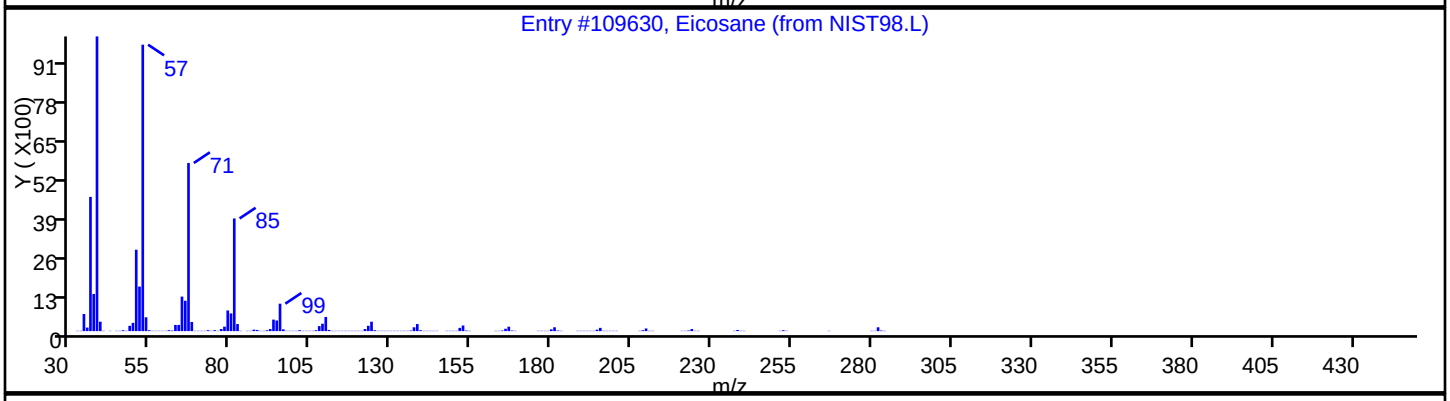
Sample Info: mb 360-49016/1-a

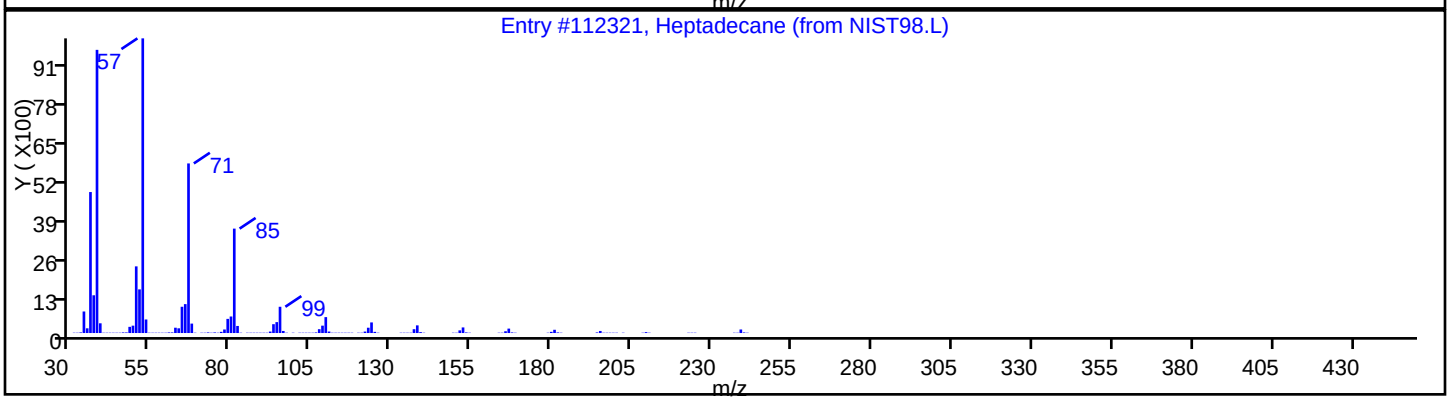
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112330	97
Eicosane	112-95-8	NIST98.L	109630	91
Heptadecane	629-78-7	NIST98.L	112321	91









Report Date: 24-Sep-2009 11:53:43 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D

Inj Date: 22-Sep-2009 20:43:30 Limit Group: SMS - 8270LL SVOA Calibration

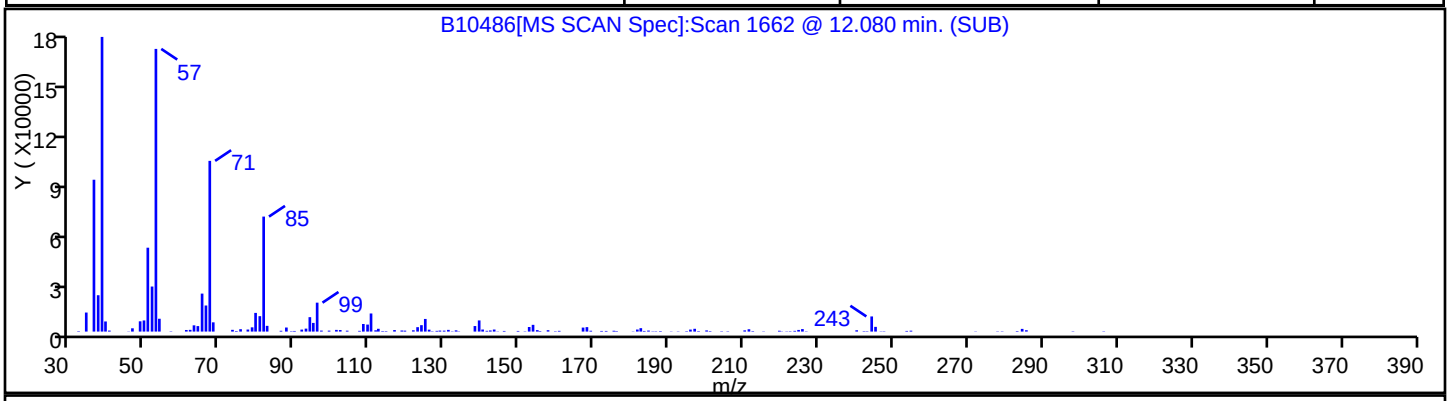
Lims Batch ID: 49400 Lims Sample ID: 12

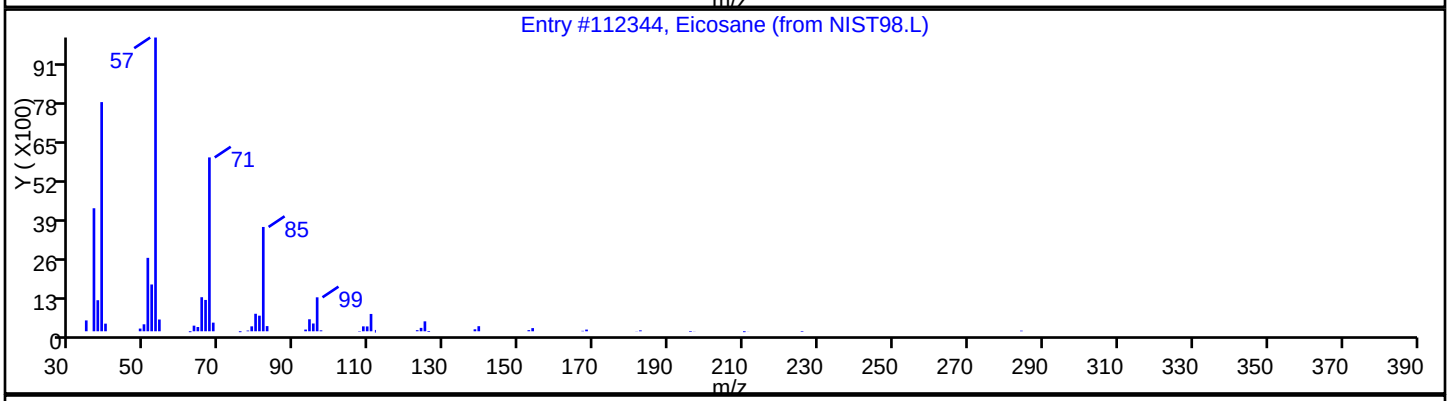
Client ID: Instrument: Inst. B

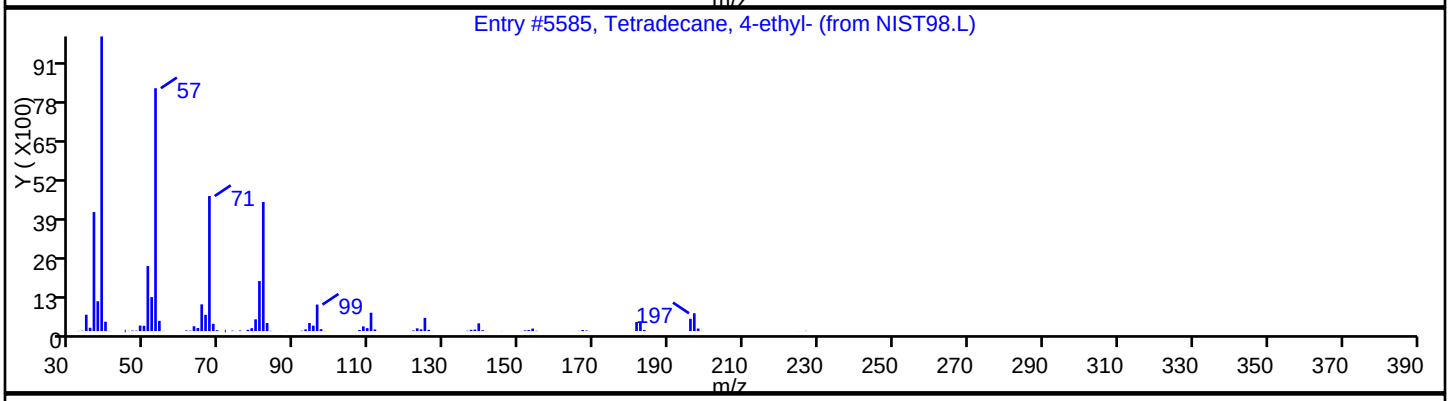
Sample Info: mb 360-49016/1-a

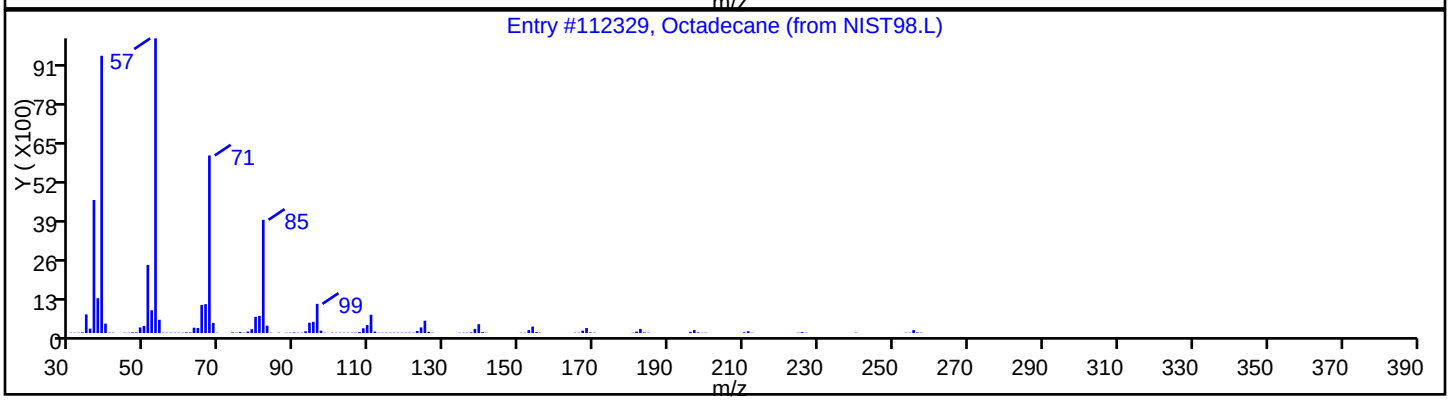
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112344	99
Tetradecane, 4-ethyl-	55045-14-2	NIST98.L	5585	93
Octadecane	593-45-3	NIST98.L	112329	91









Report Date: 24-Sep-2009 11:53:44 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10486.D

Inj Date: 22-Sep-2009 20:43:30 Limit Group: SMS - 8270LL SVOA Calibration

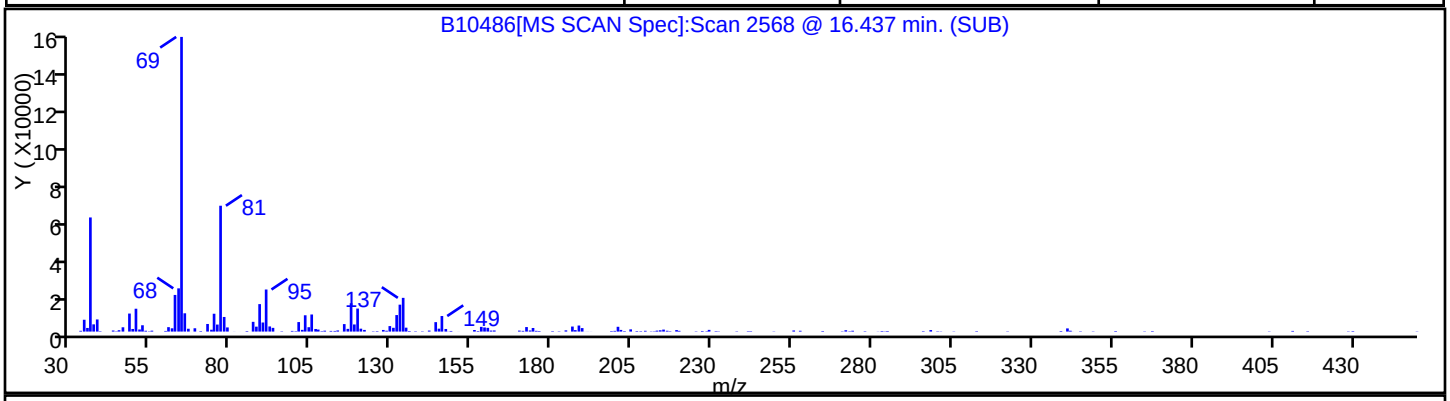
Lims Batch ID: 49400 Lims Sample ID: 12

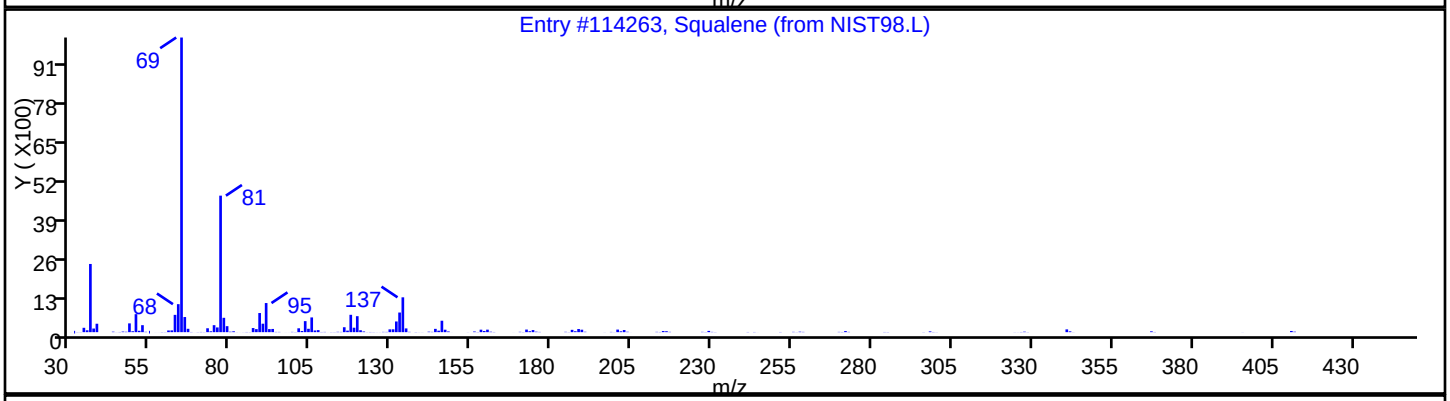
Client ID: Instrument: Inst. B

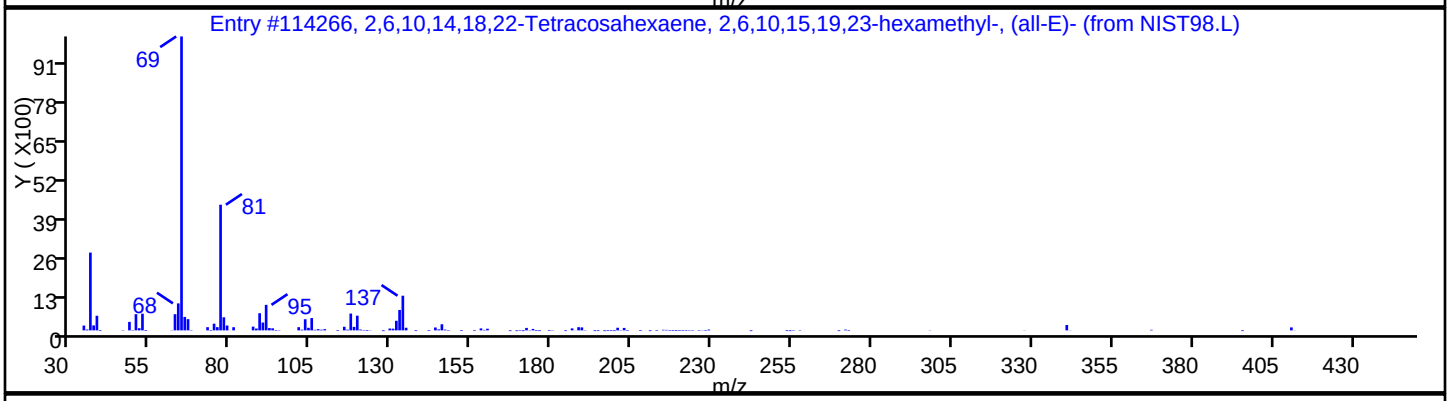
Sample Info: mb 360-49016/1-a

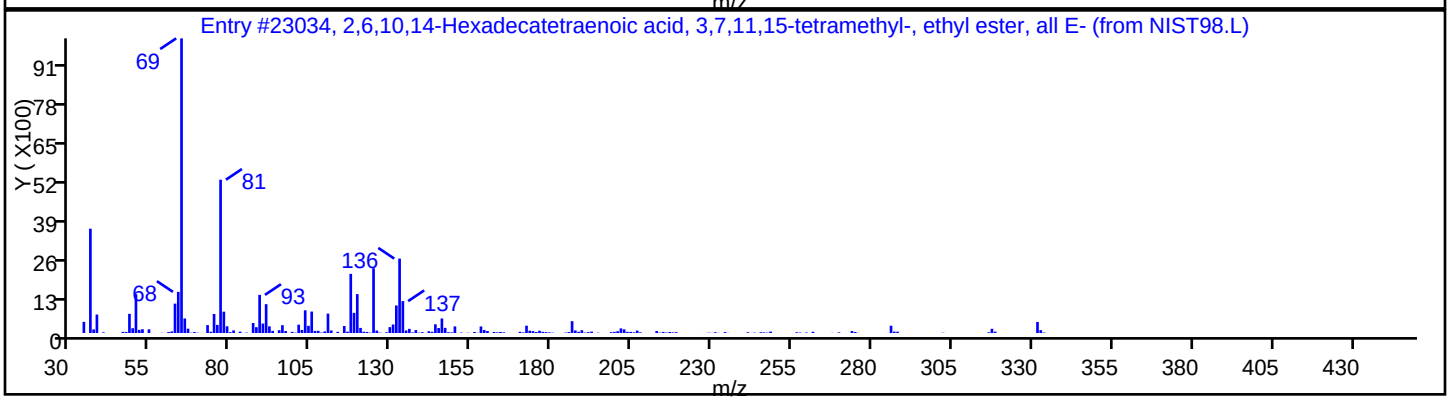
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	91
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	91
2,6,10,14-Hexadecatetraenoic acid, 3,7,1	24035-35-6	NIST98.L	23034	78









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

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.: 360-24444-2

SDG No.: OCRI-11A

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.: 360-24444-2

SDG No.: OCRI-11A

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

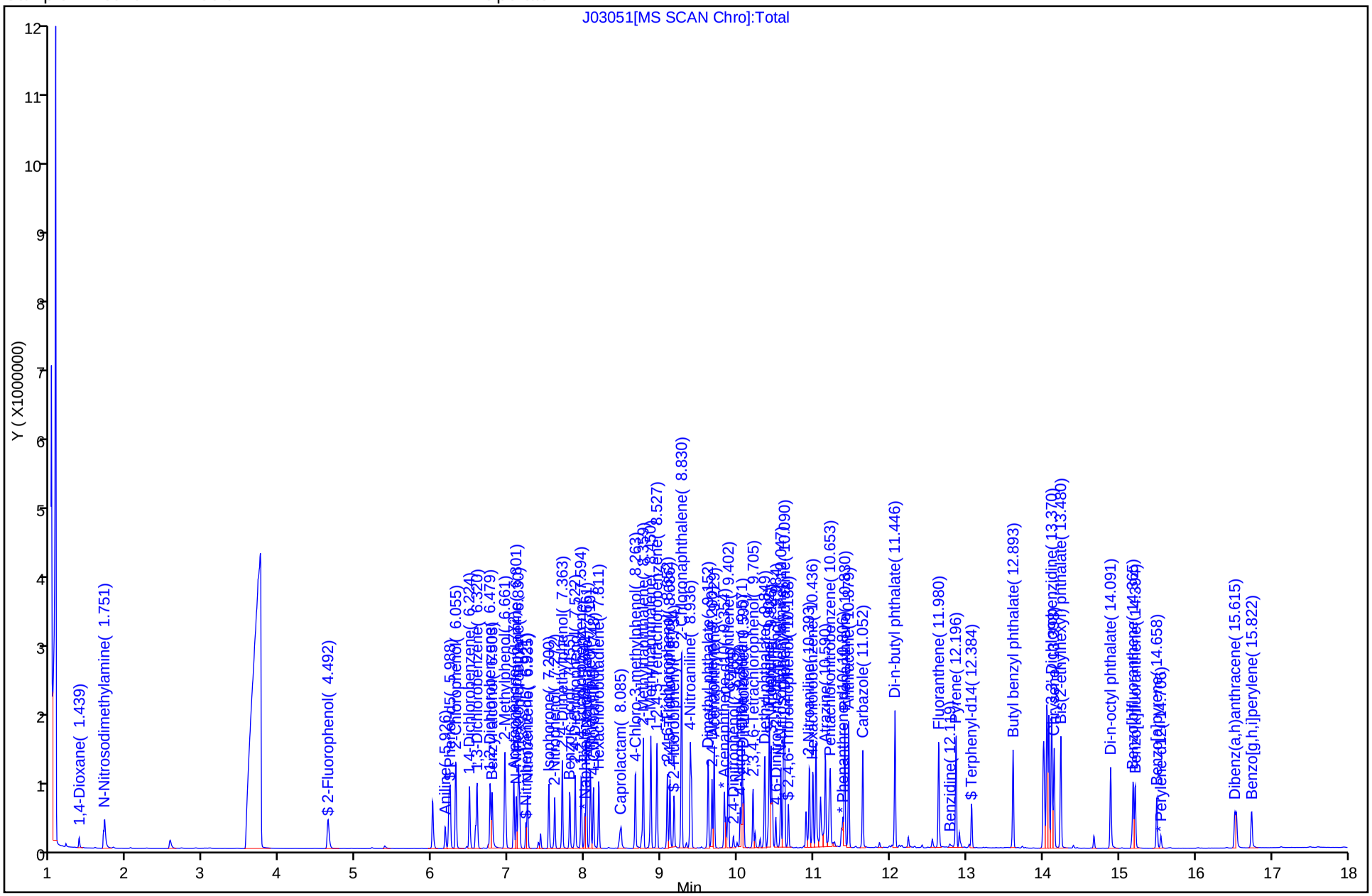
Inj Date: 21-Sep-2009 20:20:30 Limit Group: SMS - 8270LL SVOA Calibration

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.: 360-24444-2

SDG No.: OCRI-11A

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

Matrix: Solid | Lab File ID: B10487.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 21:14

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	318		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	299		33	10
120-82-1	1,2,4-Trichlorobenzene	249		33	10
95-50-1	1,2-Dichlorobenzene	244		33	10
541-73-1	1,3-Dichlorobenzene	205		33	10
106-46-7	1,4-Dichlorobenzene	198		33	10
90-12-0	1-Methylnaphthalene	293		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	273		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	264		33	10
95-95-4	2,4,5-Trichlorophenol	297		33	10
88-06-2	2,4,6-Trichlorophenol	303		33	10
120-83-2	2,4-Dichlorophenol	272		33	10
105-67-9	2,4-Dimethylphenol	267		33	13
51-28-5	2,4-Dinitrophenol	238		33	10
121-14-2	2,4-Dinitrotoluene	297		33	10
606-20-2	2,6-Dinitrotoluene	306		33	10
91-58-7	2-Chloronaphthalene	242		33	10
95-57-8	2-Chlorophenol	233		33	10
91-57-6	2-Methylnaphthalene	231		33	10
95-48-7	2-Methylphenol	242		33	20
88-74-4	2-Nitroaniline	353		170	10
88-75-5	2-Nitrophenol	289		33	10
15831-10-4	3 & 4 Methylphenol	258		33	10
91-94-1	3,3'-Dichlorobenzidine	323		67	10
99-09-2	3-Nitroaniline	316		170	10
534-52-1	4,6-Dinitro-2-methylphenol	315		170	10
101-55-3	4-Bromophenyl phenyl ether	334		33	10
59-50-7	4-Chloro-3-methylphenol	287		67	10
106-47-8	4-Chloroaniline	211		67	10
7005-72-3	4-Chlorophenyl phenyl ether	317		33	10
100-01-6	4-Nitroaniline	312		170	10
100-02-7	4-Nitrophenol	337		170	10
83-32-9	Acenaphthene	350		33	10
208-96-8	Acenaphthylene	303		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

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

Matrix: Solid | Lab File ID: B10487.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 21:14

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	233		33	10
62-53-3	Aniline	95.6		33	10
120-12-7	Anthracene	387		33	10
1912-24-9	Atrazine	402		33	10
103-33-3	Azobenzene	333		33	10
100-52-7	Benzaldehyde	262		33	10
56-55-3	Benzo[a]anthracene	397		33	10
50-32-8	Benzo[a]pyrene	413		33	10
205-99-2	Benzo[b]fluoranthene	351		33	10
191-24-2	Benzo[g,h,i]perylene	382		33	10
207-08-9	Benzo[k]fluoranthene	387		33	10
65-85-0	Benzoic acid	171		170	15
119-61-9	Benzophenone	347		33	10
100-51-6	Benzyl alcohol	268		67	28
111-91-1	Bis(2-chloroethoxy)methane	233		33	10
111-44-4	Bis(2-chloroethyl)ether	210		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	472		33	10
85-68-7	Butyl benzyl phthalate	319		33	10
105-60-2	Caprolactam	364		33	10
86-74-8	Carbazole	357		33	10
218-01-9	Chrysene	378		33	10
53-70-3	Dibenz(a,h)anthracene	425		33	10
132-64-9	Dibenzofuran	305		33	10
84-66-2	Diethyl phthalate	327		33	10
131-11-3	Dimethyl phthalate	319		33	10
84-74-2	Di-n-butyl phthalate	395		33	29
117-84-0	Di-n-octyl phthalate	318		33	17
101-84-8	Diphenyl oxide	258		33	10
206-44-0	Fluoranthene	357		33	10
86-73-7	Fluorene	374		33	10
118-74-1	Hexachlorobenzene	322		33	10
87-68-3	Hexachlorobutadiene	263		33	10
77-47-4	Hexachlorocyclopentadiene	231		67	10
67-72-1	Hexachloroethane	205		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

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

Matrix: Solid | Lab File ID: B10487.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 21:14

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	421		33	10
78-59-1	Isophorone	213		33	10
91-20-3	Naphthalene	274		80	10
98-95-3	Nitrobenzene	233		33	10
62-75-9	N-Nitrosodimethylamine	248		33	12
621-64-7	N-Nitrosodi-n-propylamine	255		33	10
86-30-6	N-Nitrosodiphenylamine	232		33	10
87-86-5	Pentachlorophenol	312		33	10
85-01-8	Phenanthrene	341		40	10
108-95-2	Phenol	240		33	10
129-00-0	Pyrene	353		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	86	30-130	
321-60-8	2-Fluorobiphenyl	81	30-130	
367-12-4	2-Fluorophenol	78	30-130	
4165-60-0	Nitrobenzene-d5	64	30-130	
4165-62-2	Phenol-d5	67	30-130	
1718-51-0	Terphenyl-d14	82	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10487.D		
Lims ID:	LCS 360-49016/2-A	Client ID:	
Inject. Date:	22-Sep-2009 21:14:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-49016/2-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49400	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:54:27	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:54:27

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

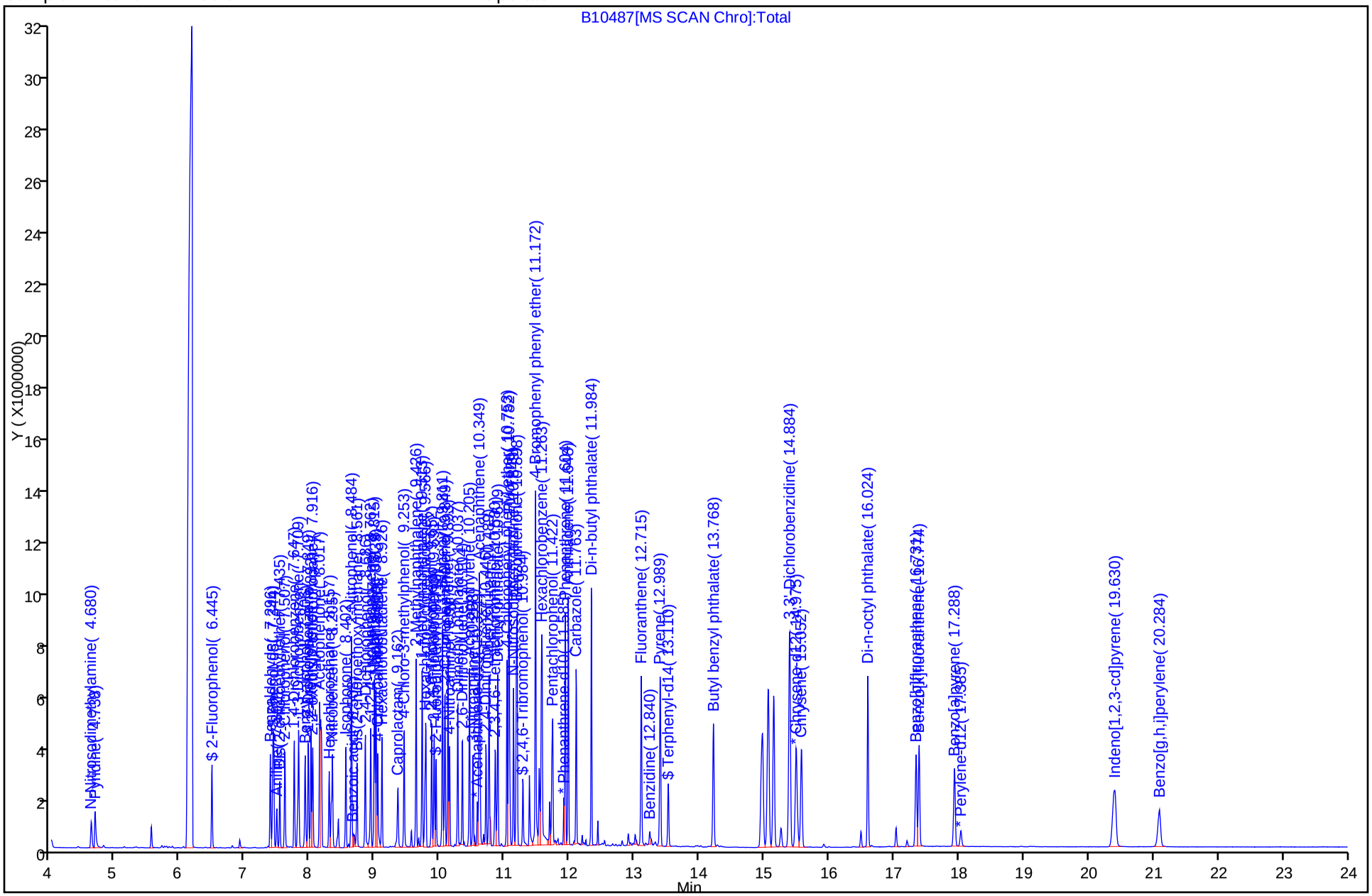
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.695	7.691	0.004	395203	2.00	
* 2 Naphthalene-d8	136	8.820	8.821	-0.001	1010899	2.00	
* 3 Acenaphthene-d10	164	10.321	10.321	0.000	345979	2.00	
* 4 Phenanthrene-d10	188	11.585	11.581	0.004	577405	2.00	
* 5 Chrysene-d12	240	14.999	14.990	0.009	452680	2.00	
* 6 Perylene-d12	264	17.385	17.385	0.000	347129	2.00	
$ 7 2-Fluorophenol	112	6.445	6.407	0.038	759766	7.81	
$ 8 Phenol-d5	99	7.334	7.320	0.014	913533	6.74	
$ 9 Nitrobenzene-d5	82	8.185	8.186	-0.001	414582	3.20	
$ 10 2-Fluorobiphenyl	172	9.719	9.720	-0.001	929279	4.04	
$ 11 2,4,6-Tribromophenol	330	10.989	10.985	0.004	183190	8.62	
$ 12 Terphenyl-d14	244	13.110	13.110	0.000	756912	4.12	
14 1,4-Dioxane	88	4.319	4.307	0.012	341		
15 N-Nitrosodimethylamine	42	4.680	4.613	0.067	552307	7.43	
16 Pyridine	79	4.738	4.637	0.101	549299	6.18	
17 Benzaldehyde	105	7.296	7.296	0.000	586015	7.86	
18 Phenol	94	7.344	7.330	0.014	1022702	7.19	
19 Aniline	93	7.392	7.388	0.004	477129	2.87	
20 Bis(2-chloroethyl)ether	93	7.435	7.431	0.004	714361	6.30	
21 2-Chlorophenol	128	7.507	7.498	0.009	841712	6.98	
22 1,4-Dichlorobenzene	146	7.647	7.642	0.005	895481	5.95	
23 1,3-Dichlorobenzene	146	7.709	7.705	0.004	943425	6.15	
24 Benzyl alcohol	79	7.806	7.796	0.010	735624	8.04	
25 1,2-Dichlorobenzene	146	7.854	7.849	0.005	882789	7.32	
26 2-Methylphenol	108	7.892	7.883	0.009	797676	7.25	
27 2,2'-oxybis[1-chloropropane]	45	7.916	7.912	0.004	1371543	8.18	
28 3 & 4 Methylphenol	108	8.017	8.013	0.004	880459	7.75	
29 N-Nitrosodi-n-propylamine	70	8.032	8.027	0.005	585828	7.66	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.041	8.042	-0.001	1142050	6.98	
31 Hexachloroethane	117	8.157	8.152	0.005	328097	6.16	
32 Nitrobenzene	77	8.205	8.200	0.005	889787	6.98	
33 Isophorone	82	8.402	8.397	0.005	1330321	6.38	
34 2-Nitrophenol	139	8.479	8.479	0.000	492520	8.67	
35 2,4-Dimethylphenol	107	8.484	8.479	0.005	948395	8.00	
36 Benzoic acid	105	8.527	8.513	0.014	120958	5.12	
37 Bis(2-chloroethoxy)methane	93	8.565	8.561	0.004	903507	6.98	
38 2,4-Dichlorophenol	162	8.686	8.681	0.005	784740	8.15	
39 1,2,4-Trichlorobenzene	180	8.762	8.763	-0.001	733811	7.46	
40 Alpha-Terpineol	59	8.815	8.811	0.004	735761	6.82	
41 Naphthalene	128	8.839	8.840	-0.001	2494633	8.23	
42 4-Chloroaniline	127	8.863	8.864	-0.001	914623	6.32	
43 Hexachlorobutadiene	225	8.926	8.926	0.000	385102	7.90	
44 Caprolactam	55	9.162	9.143	0.019	452037	10.9	
45 4-Chloro-3-methylphenol	107	9.253	9.249	0.004	826030	8.60	
46 2-Methylnaphthalene	142	9.426	9.426	0.000	1747168	6.94	
47 1-Methylnaphthalene	142	9.513	9.513	0.000	1762928	8.79	
48 Hexachlorocyclopentadiene	237	9.556	9.556	0.000	249804	6.92	
49 1,2,4,5-Tetrachlorobenzene	216	9.570	9.566	0.004	731376	8.97	
50 2,4,6-Trichlorophenol	196	9.652	9.653	0.000	533893	9.10	
51 2,4,5-Trichlorophenol	196	9.691	9.686	0.005	551374	8.90	
52 1,1'-Biphenyl	154	9.811	9.811	0.000	2291050	9.53	
53 2-Chloronaphthalene	162	9.849	9.845	0.004	1644590	7.26	
54 Phenyl ether	170	9.893	9.893	0.000	1218719	7.73	
68 4-Nitroaniline	138	9.917	9.912	0.005	641868	9.36	
56 Dimethyl phthalate	163	10.037	10.032	0.005	2026978	9.56	
57 2,6-Dinitrotoluene	165	10.104	10.100	0.004	463980	9.18	
58 Acenaphthylene	152	10.205	10.206	-0.001	2631994	9.10	
59 3-Nitroaniline	138	10.258	10.254	0.004	477521	9.47	
60 2,4-Dinitrophenol	184	10.340	10.340	0.000	97565	7.15	
61 Acenaphthene	153	10.349	10.350	-0.001	2123141	10.5	
62 4-Nitrophenol	109	10.359	10.355	0.004	306194	10.1	
63 2,4-Dinitrotoluene	165	10.446	10.446	0.000	615428	8.91	
64 Dibenzofuran	168	10.494	10.489	0.005	2417346	9.14	
65 2,3,4,6-Tetrachlorophenol	232	10.585	10.581	0.004	352245	7.91	
66 Diethyl phthalate	149	10.619	10.619	0.000	2156260	9.80	
67 4-Chlorophenyl phenyl ether	204	10.753	10.754	-0.001	929154	9.50	
55 2-Nitroaniline	65	10.777	10.773	0.004	620254	10.6	
69 Fluorene	166	10.782	10.783	-0.001	2490591	11.2	
70 4,6-Dinitro-2-methylphenol	198	10.797	10.792	0.005	230908	9.44	
72 N-Nitrosodiphenylamine	169	10.849	10.845	0.004	1297976	6.97	
73 1,2-Diphenylhydrazine	77	10.893	10.888	0.005	3355550	9.98	
74 Azobenzene	77	10.893	10.888	0.005	3355550	9.98	
13 Benzophenone	105	10.902	10.898	0.004	2120510	10.4	
75 4-Bromophenyl phenyl ether	248	11.172	11.172	0.000	521205	10.0	
76 Hexachlorobenzene	284	11.258	11.254	0.004	482249	9.67	
77 Atrazine	200	11.268	11.263	0.005	641672	12.1	
78 Pentachlorophenol	266	11.412	11.408	0.004	243591	9.35	
79 Pentachloronitrobenzene	237	11.422	11.417	0.005	240816	9.45	
80 Phenanthrene	178	11.604	11.605	-0.001	3059334	10.2	
81 Anthracene	178	11.648	11.648	0.000	3244948	11.6	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.763	11.764	-0.001	2519960	10.7	
84 Di-n-butyl phthalate	149	11.984	11.985	-0.001	4256740	11.8	
87 Fluoranthene	202	12.715	12.711	0.004	2817988	10.7	
86 Benzidine	184	12.811	12.812	-0.001	22876	1.15	
85 Pyrene	202	12.989	12.990	-0.001	3238663	10.6	
89 Butyl benzyl phthalate	149	13.768	13.769	-0.001	1498028	9.57	
91 3,3'-Dichlorobenzidine	252	14.879	14.865	0.014	639914	9.69	
92 Bis(2-ethylhexyl) phthalate	149	14.884	14.880	0.004	3193714	14.1	
93 Benzo[a]anthracene	228	14.975	14.971	0.004	2361628	11.9	
94 Chrysene	228	15.057	15.043	0.014	2209916	11.3	
95 Di-n-octyl phthalate	149	16.024	16.024	0.000	3475239	9.53	
97 Benzo[b]fluoranthene	252	16.731	16.721	0.010	2051098	10.5	
98 Benzo[k]fluoranthene	252	16.774	16.770	0.004	2067442	11.6	
99 Benzo[a]pyrene	252	17.288	17.284	0.004	1798641	12.4	
100 Indeno[1,2,3-cd]pyrene	276	19.611	19.602	0.009	1611420	12.6	
101 Dibenz(a,h)anthracene	278	19.635	19.626	0.009	1294662	12.7	
102 Benzo[g,h,i]perylene	276	20.284	20.270	0.014	1338146	11.5	

Report Date: 24-Sep-2009 11:54:28 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10487.D		
Inj Date:	22-Sep-2009 21:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49400	Lims Sample ID:	13
Client ID:		Instrument:	Inst. B
Sample Info:	lcs 360-49016/2-a		
Sample Amount:	1.00 ul	Operator:	MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

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.: 360-24444-2

SDG No.: OCRI-11A

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.: 360-24444-2
SDG No.: OCRI-11A
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

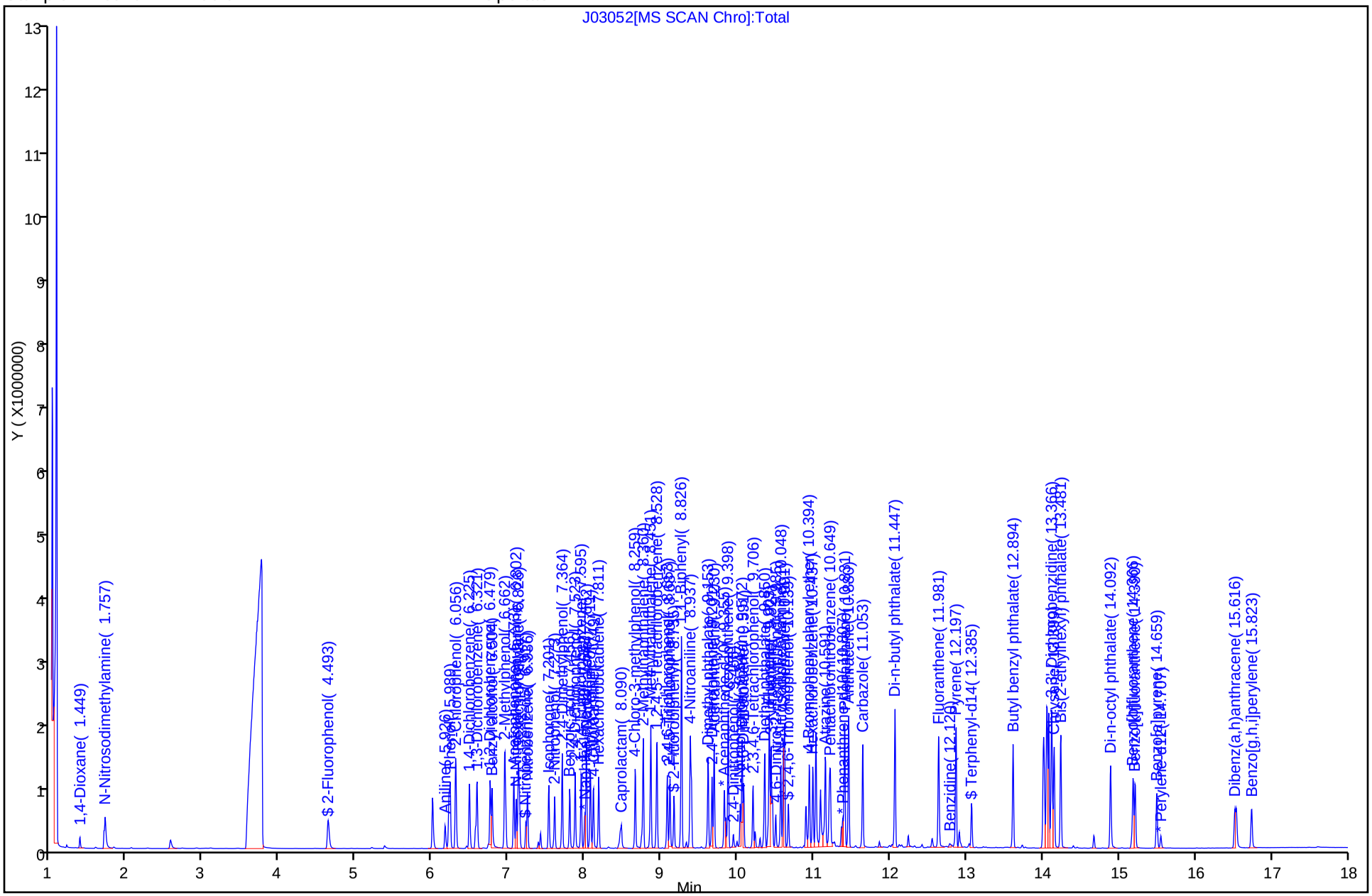
Inj Date: 21-Sep-2009 20:47:30 Limit Group: SMS - 8270LL SVOA Calibration

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:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: | Lab Sample ID: LCSD 360-49016/3-A

Matrix: Solid | Lab File ID: B10488.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 21:45

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	307		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	306		33	10
120-82-1	1,2,4-Trichlorobenzene	262		33	10
95-50-1	1,2-Dichlorobenzene	261		33	10
541-73-1	1,3-Dichlorobenzene	217		33	10
106-46-7	1,4-Dichlorobenzene	211		33	10
90-12-0	1-Methylnaphthalene	286		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	291		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	260		33	10
95-95-4	2,4,5-Trichlorophenol	320		33	10
88-06-2	2,4,6-Trichlorophenol	314		33	10
120-83-2	2,4-Dichlorophenol	276		33	10
105-67-9	2,4-Dimethylphenol	279		33	13
51-28-5	2,4-Dinitrophenol	254		33	10
121-14-2	2,4-Dinitrotoluene	311		33	10
606-20-2	2,6-Dinitrotoluene	318		33	10
91-58-7	2-Chloronaphthalene	249		33	10
95-57-8	2-Chlorophenol	247		33	10
91-57-6	2-Methylnaphthalene	236		33	10
95-48-7	2-Methylphenol	254		33	20
88-74-4	2-Nitroaniline	358		170	10
88-75-5	2-Nitrophenol	301		33	10
15831-10-4	3 & 4 Methylphenol	273		33	10
91-94-1	3,3'-Dichlorobenzidine	343		67	10
99-09-2	3-Nitroaniline	321		170	10
534-52-1	4,6-Dinitro-2-methylphenol	327		170	10
101-55-3	4-Bromophenyl phenyl ether	341		33	10
59-50-7	4-Chloro-3-methylphenol	291		67	10
106-47-8	4-Chloroaniline	208		67	10
7005-72-3	4-Chlorophenyl phenyl ether	326		33	10
100-01-6	4-Nitroaniline	321		170	10
100-02-7	4-Nitrophenol	354		170	10
83-32-9	Acenaphthene	360		33	10
208-96-8	Acenaphthylene	310		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: | Lab Sample ID: LCSD 360-49016/3-A

Matrix: Solid | Lab File ID: B10488.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 21:45

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	251		33	10
62-53-3	Aniline	103		33	10
120-12-7	Anthracene	400		33	10
1912-24-9	Atrazine	406		33	10
103-33-3	Azobenzene	338		33	10
100-52-7	Benzaldehyde	259		33	10
56-55-3	Benzo[a]anthracene	419		33	10
50-32-8	Benzo[a]pyrene	437		33	10
205-99-2	Benzo[b]fluoranthene	380		33	10
191-24-2	Benzo[g,h,i]perylene	402		33	10
207-08-9	Benzo[k]fluoranthene	407		33	10
65-85-0	Benzoic acid	174		170	15
119-61-9	Benzophenone	347		33	10
100-51-6	Benzyl alcohol	279		67	28
111-91-1	Bis(2-chloroethoxy)methane	237		33	10
111-44-4	Bis(2-chloroethyl)ether	223		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	470		33	10
85-68-7	Butyl benzyl phthalate	337		33	10
105-60-2	Caprolactam	357		33	10
86-74-8	Carbazole	374		33	10
218-01-9	Chrysene	398		33	10
53-70-3	Dibenz(a,h)anthracene	455		33	10
132-64-9	Dibenzofuran	310		33	10
84-66-2	Diethyl phthalate	337		33	10
131-11-3	Dimethyl phthalate	330		33	10
84-74-2	Di-n-butyl phthalate	410		33	29
117-84-0	Di-n-octyl phthalate	335		33	17
101-84-8	Diphenyl oxide	251		33	10
206-44-0	Fluoranthene	375		33	10
86-73-7	Fluorene	383		33	10
118-74-1	Hexachlorobenzene	336		33	10
87-68-3	Hexachlorobutadiene	264		33	10
77-47-4	Hexachlorocyclopentadiene	245		67	10
67-72-1	Hexachloroethane	220		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24444-2

SDG No.: OCRI-11A

Client Sample ID: | Lab Sample ID: LCSD 360-49016/3-A

Matrix: Solid | Lab File ID: B10488.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/22/2009 21:45

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

Injection Volume: 1.0(uL) | Level: (low/med) Low

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

Analysis Batch No.: 49400 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	447		33	10
78-59-1	Isophorone	220		33	10
91-20-3	Naphthalene	282		80	10
98-95-3	Nitrobenzene	236		33	10
62-75-9	N-Nitrosodimethylamine	263		33	12
621-64-7	N-Nitrosodi-n-propylamine	269		33	10
86-30-6	N-Nitrosodiphenylamine	245		33	10
87-86-5	Pentachlorophenol	328		33	10
85-01-8	Phenanthrene	360		40	10
108-95-2	Phenol	257		33	10
129-00-0	Pyrene	368		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	88	30-130	
321-60-8	2-Fluorobiphenyl	80	30-130	
367-12-4	2-Fluorophenol	80	30-130	
4165-60-0	Nitrobenzene-d5	62	30-130	
4165-62-2	Phenol-d5	70	30-130	
1718-51-0	Terphenyl-d14	83	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10488.D		
Lims ID:	LCSD 360-49016/3-A	Client ID:	
Inject. Date:	22-Sep-2009 21:45:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-49016/3-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49400	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\8270B.m		
Last Update:	24-Sep-2009 11:55:29	Calib Date:	22-Sep-2009 19:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-1.b\B10484.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	24-Sep-2009 11:55:29

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.694	7.691	0.003	403554	2.00	
* 2 Naphthalene-d8	136	8.819	8.821	-0.002	1068639	2.00	
* 3 Acenaphthene-d10	164	10.319	10.321	-0.002	363183	2.00	
* 4 Phenanthrene-d10	188	11.584	11.581	0.003	601083	2.00	
* 5 Chrysene-d12	240	14.998	14.990	0.008	477182	2.00	
* 6 Perylene-d12	264	17.384	17.385	-0.001	365880	2.00	
$ 7 2-Fluorophenol	112	6.444	6.407	0.037	797813	8.03	
$ 8 Phenol-d5	99	7.333	7.320	0.013	967796	7.00	
$ 9 Nitrobenzene-d5	82	8.184	8.186	-0.002	422487	3.08	
$ 10 2-Fluorobiphenyl	172	9.718	9.720	-0.002	961103	3.99	
$ 11 2,4,6-Tribromophenol	330	10.988	10.985	0.003	195296	8.82	
$ 12 Terphenyl-d14	244	13.108	13.110	-0.002	807779	4.17	
14 1,4-Dioxane	88	4.308	4.307	0.001	130		
15 N-Nitrosodimethylamine	42	4.688	4.613	0.075	597778	7.88	
16 Pyridine	79	4.741	4.637	0.104	571409	6.30	M
17 Benzaldehyde	105	7.295	7.296	-0.001	590122	7.76	
18 Phenol	94	7.348	7.330	0.018	1119532	7.70	
19 Aniline	93	7.391	7.388	0.003	525942	3.10	
20 Bis(2-chloroethyl)ether	93	7.434	7.431	0.003	775780	6.70	
21 2-Chlorophenol	128	7.511	7.498	0.013	911943	7.41	
22 1,4-Dichlorobenzene	146	7.646	7.642	0.004	973520	6.33	
23 1,3-Dichlorobenzene	146	7.713	7.705	0.008	1020560	6.52	
24 Benzyl alcohol	79	7.804	7.796	0.008	780953	8.36	
25 1,2-Dichlorobenzene	146	7.852	7.849	0.003	963208	7.83	
26 2-Methylphenol	108	7.891	7.883	0.008	856712	7.63	
27 2,2'-oxybis[1-chloropropane]	45	7.915	7.912	0.003	1489149	8.72	
28 3 & 4 Methylphenol	108	8.016	8.013	0.003	950250	8.19	
29 N-Nitrosodi-n-propylamine	70	8.030	8.027	0.003	629978	8.07	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.045	8.042	0.003	1258583	7.54	
31 Hexachloroethane	117	8.155	8.152	0.003	358451	6.59	
32 Nitrobenzene	77	8.204	8.200	0.004	953380	7.07	
33 Isophorone	82	8.401	8.397	0.004	1458124	6.61	
34 2-Nitrophenol	139	8.482	8.479	0.003	542137	9.03	
35 2,4-Dimethylphenol	107	8.482	8.479	0.003	1046706	8.36	
36 Benzoic acid	105	8.531	8.513	0.018	133701	5.23	5
37 Bis(2-chloroethoxy)methane	93	8.564	8.561	0.003	973746	7.12	
38 2,4-Dichlorophenol	162	8.684	8.681	0.003	843625	8.29	
39 1,2,4-Trichlorobenzene	180	8.766	8.763	0.003	808405	7.87	
40 Alpha-Terpineol	59	8.814	8.811	0.003	792680	6.95	
41 Naphthalene	128	8.843	8.840	0.003	2685182	8.47	
42 4-Chloroaniline	127	8.867	8.864	0.003	954577	6.24	
43 Hexachlorobutadiene	225	8.930	8.926	0.004	408721	7.93	
44 Caprolactam	55	9.160	9.143	0.017	471449	10.7	
45 4-Chloro-3-methylphenol	107	9.252	9.249	0.003	887612	8.74	
46 2-Methylnaphthalene	142	9.425	9.426	-0.001	1885551	7.08	
47 1-Methylnaphthalene	142	9.516	9.513	0.003	1822857	8.59	
48 Hexachlorocyclopentadiene	237	9.555	9.556	-0.001	279003	7.36	
49 1,2,4,5-Tetrachlorobenzene	216	9.569	9.566	0.003	791879	9.19	
50 2,4,6-Trichlorophenol	196	9.656	9.653	0.004	580502	9.42	
51 2,4,5-Trichlorophenol	196	9.689	9.686	0.003	625203	9.61	
52 1,1'-Biphenyl	154	9.810	9.811	-0.001	2326755	9.22	
53 2-Chloronaphthalene	162	9.848	9.845	0.003	1773397	7.46	
54 Phenyl ether	170	9.891	9.893	-0.002	1256283	7.54	
68 4-Nitroaniline	138	9.915	9.912	0.003	692196	9.62	
56 Dimethyl phthalate	163	10.036	10.032	0.004	2201630	9.89	
57 2,6-Dinitrotoluene	165	10.103	10.100	0.003	505676	9.53	
58 Acenaphthylene	152	10.209	10.206	0.003	2824495	9.31	
59 3-Nitroaniline	138	10.257	10.254	0.003	509839	9.63	
60 2,4-Dinitrophenol	184	10.343	10.340	0.003	111772	7.62	
61 Acenaphthene	153	10.348	10.350	-0.002	2294606	10.8	
62 4-Nitrophenol	109	10.363	10.355	0.008	337644	10.6	
63 2,4-Dinitrotoluene	165	10.449	10.446	0.003	677656	9.34	
64 Dibenzofuran	168	10.493	10.489	0.003	2581180	9.29	
65 2,3,4,6-Tetrachlorophenol	232	10.584	10.581	0.003	364241	7.79	
66 Diethyl phthalate	149	10.622	10.619	0.003	2333415	10.1	
67 4-Chlorophenyl phenyl ether	204	10.757	10.754	0.003	1004574	9.79	
55 2-Nitroaniline	65	10.781	10.773	0.008	660013	10.7	
69 Fluorene	166	10.786	10.783	0.003	2677403	11.5	
70 4,6-Dinitro-2-methylphenol	198	10.795	10.792	0.003	252189	9.80	
72 N-Nitrosodiphenylamine	169	10.848	10.845	0.003	1424017	7.35	
73 1,2-Diphenylhydrazine	77	10.892	10.888	0.004	3546548	10.1	
74 Azobenzene	77	10.892	10.888	0.004	3546548	10.1	
13 Benzophenone	105	10.901	10.898	0.003	2206797	10.4	
75 4-Bromophenyl phenyl ether	248	11.175	11.172	0.003	554453	10.2	
76 Hexachlorobenzene	284	11.257	11.254	0.003	523902	10.1	
77 Atrazine	200	11.267	11.263	0.004	675604	12.2	
78 Pentachlorophenol	266	11.411	11.408	0.003	270901	9.84	
79 Pentachloronitrobenzene	237	11.421	11.417	0.004	258887	9.75	
80 Phenanthrene	178	11.608	11.605	0.003	3364396	10.8	
81 Anthracene	178	11.651	11.648	0.003	3493462	12.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.767	11.764	0.003	2743496	11.2	
84 Di-n-butyl phthalate	149	11.988	11.985	0.003	4599959	12.3	
87 Fluoranthene	202	12.714	12.711	0.003	3086803	11.3	
86 Benzidine	184	12.815	12.812	0.003	27031	1.23	
85 Pyrene	202	12.993	12.990	0.003	3558101	11.0	
89 Butyl benzyl phthalate	149	13.772	13.769	0.003	1669427	10.1	
91 3,3'-Dichlorobenzidine	252	14.878	14.865	0.013	717402	10.3	
92 Bis(2-ethylhexyl) phthalate	149	14.883	14.880	0.003	3355368	14.1	
93 Benzo[a]anthracene	228	14.979	14.971	0.008	2631154	12.6	
94 Chrysene	228	15.056	15.043	0.013	2457541	12.0	
95 Di-n-octyl phthalate	149	16.027	16.024	0.003	3866927	10.1	
97 Benzo[b]fluoranthene	252	16.734	16.721	0.013	2338279	11.4	
98 Benzo[k]fluoranthene	252	16.773	16.770	0.003	2292497	12.2	
99 Benzo[a]pyrene	252	17.292	17.284	0.008	2005366	13.1	
100 Indeno[1,2,3-cd]pyrene	276	19.615	19.602	0.013	1802185	13.4	
101 Dibenz(a,h)anthracene	278	19.639	19.626	0.013	1461495	13.6	
102 Benzo[g,h,i]perylene	276	20.283	20.270	0.013	1483681	12.1	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 24-Sep-2009 11:55:30 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-1.b\B10488.D

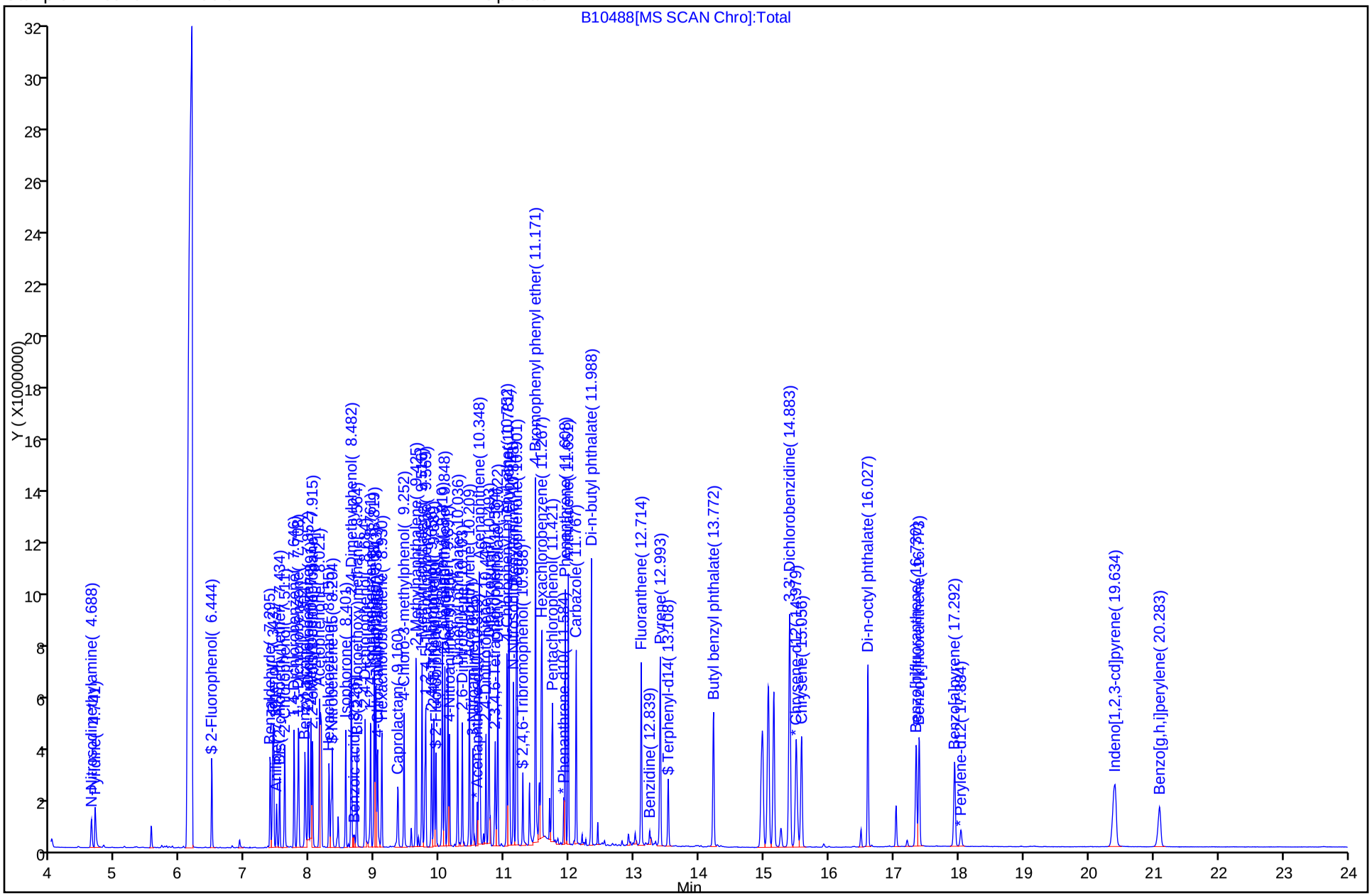
Inj Date: 22-Sep-2009 21:45:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49400 Lims Sample ID: 14

Client ID: Instrument: Inst. B

Sample Info: lcsd 360-49016/3-a

Sample Amount: 1.00 ul Operator: MZ



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

Instrument ID: Inst. B Start Date: 09/22/2009 15:01

Analysis Batch Number: 49400 End Date: 09/22/2009 21:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49400/1		09/22/2009 15:01	1	B10475.D	Rtx-5ms 0.25(um)
STD5 360-49400/2 ICIS		09/22/2009 15:32	1	B10476.D	Rtx-5ms 0.25(um)
STD01 360-49400/3 IC		09/22/2009 16:03	1	B10477.D	Rtx-5ms 0.25(um)
STD025 360-49400/4 IC		09/22/2009 16:34	1	B10478.D	Rtx-5ms 0.25(um)
STD05 360-49400/5 IC		09/22/2009 17:05	1	B10479.D	Rtx-5ms 0.25(um)
STD1 360-49400/6 IC		09/22/2009 17:36	1	B10480.D	Rtx-5ms 0.25(um)
STD25 360-49400/7 IC		09/22/2009 18:07	1	B10481.D	Rtx-5ms 0.25(um)
STD8 360-49400/8 IC		09/22/2009 18:38	1	B10482.D	Rtx-5ms 0.25(um)
STD10 360-49400/9 IC		09/22/2009 19:10	1	B10483.D	Rtx-5ms 0.25(um)
STD20 360-49400/10 IC		09/22/2009 19:41	1	B10484.D	Rtx-5ms 0.25(um)
ICV 360-49400/11		09/22/2009 20:12	1		Rtx-5ms 0.25(um)
MB 360-49016/1-A		09/22/2009 20:43	1	B10486.D	Rtx-5ms 0.25(um)
LCS 360-49016/2-A		09/22/2009 21:14	1	B10487.D	Rtx-5ms 0.25(um)
LCSD 360-49016/3-A		09/22/2009 21:45	1	B10488.D	Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

Instrument ID: Inst. B Start Date: 09/22/2009 22:17

Analysis Batch Number: 49402 End Date: 09/23/2009 08:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49402/15		09/22/2009 22:17	1	B10489.D	Rtx-5ms 0.25(um)
CCV 360-49402/16 CCVIS		09/22/2009 22:48	1	B10490.D	Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 23:19	1		Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 23:50	10		Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 00:22	100		Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 00:53	1		Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 01:55	1		Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 02:27	1		Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 02:58	1		Rtx-5ms 0.25(um)
360-24444-13	OC-SB-459-26/28-XXX	09/23/2009 03:29	1	B10499.D	Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 04:00	1		Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 04:32	1		Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 05:03	1		Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 05:34	1		Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 06:05	1		Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 06:36	1		Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 07:07	1		Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 07:38	1		Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 08:09	1		Rtx-5ms 0.25(um)
ZZZZZ		09/23/2009 08:40	10		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

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.: 360-24444-2

SDG No.: OCRI-11A

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)
ZZZZZ		09/21/2009 23:57	1		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)
ZZZZZ		09/22/2009 02:12	1		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)
360-24444-4	OC-SB-462-31/33-XXX	09/22/2009 04:53	1	J03070.D	Rtx-5ms 0.25(um)
ZZZZZ		09/22/2009 05:20	10		Rtx-5ms 0.25(um)
360-24444-7	OC-SB-467-30/32-XXX	09/22/2009 05:47	1	J03072.D	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: 360-48924
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		T	30.21 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		

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	3546, 8270C LL	T	30.04 g	1.0 mL	50 uL		
360-24444-A-7	OC-SB-467-30/32-XXX	3546, 8270C LL	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		T	
360-24417-A-16	OC-SB-471-26/28-XXX		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	3546, 8270C LL	T	
360-24444-A-7	OC-SB-467-30/32-XXX	3546, 8270C LL	T	

Organic Prep Worksheet

Batch Number: 360-49016
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 16 2009 11:53AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00010	OlinLCSextras_00001	OP-abnms_00063
MB~360-49016/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-49016/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-49016/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24444-A-9~MS	OC-SB-467-6.0/8.0-XMS		T	30.36 g	1.0 mL	50 uL	.100 mL	100 uL
360-24444-A-9~MSD	OC-SB-467-6.0/8.0-MSD		T	30.27 g	1.0 mL	50 uL	.100 mL	100 uL
360-24444-A-12	OC-SB-459-0.0/1.0-XXX		T	30.83 g	1.0 mL	50 uL		
360-24444-A-13	OC-SB-459-26/28-XXX		T	30.21 g	1.0 mL	50 uL		
360-24454-A-2	OC-SB-461-28/30-XXX		T	30.18 g	1.0 mL	50 uL		
360-24454-A-3	OC-SB-461-5.0/7.0-XXX		T	30.69 g	1.0 mL	50 uL		
360-24454-A-4	OC-SB-470-0.0/1.0-XXX		T	30.07 g	1.0 mL	50 uL		
360-24454-A-5	OC-SB-470-31/33-XXX		T	30.59 g	1.0 mL	50 uL		
360-24454-A-6	OC-SB-470-7.0/9.0-XXX		T	30.69 g	1.0 mL	50 uL		
360-24454-A-7	OC-SB-472-0.0/1.0-XXX		T	30.40 g	1.0 mL	50 uL		
360-24454-A-8	OC-SB-472-30/32-XXX		T	30.64 g	1.0 mL	50 uL		
360-24454-A-9	OC-SB-472-8.0/10-XXX		T	30.52 g	1.0 mL	50 uL		
360-24499-A-1	OC-SB-466-6.0/8.0-XXX		T	30.34 g	1.0 mL	50 uL		
360-24499-A-2	OC-SB-469-0.0/1.0-XXX		T	30.36 g	1.0 mL	50 uL		
360-24499-A-3	OC-SB-469-28/30-XXX		T	30.58 g	1.0 mL	50 uL		
360-24499-A-4	OC-SB-469-36/37-XXX		T	30.64 g	1.0 mL	50 uL		
360-24499-A-5	OC-SB-469-7.0/9.0-XXX		T	30.83 g	1.0 mL	50 uL		
360-24499-A-6	OC-SB-466-0.0/1.0-XXX		T	30.27 g	1.0 mL	50 uL		
360-24499-A-7	OC-SB-466-30/32-XXX		T	30.14 g	1.0 mL	50 uL		
360-24499-A-14	OC-SB-417-0.0/1.0-XXX		T	30.44 g	1.0 mL	50 uL		
360-24444-A-13	OC-SB-459-26/28-XXX	3546, 8270C LL	T	30.21 g	1.0 mL	50 uL		
360-24454-A-2	OC-SB-461-28/30-XXX		T	30.18 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-49016
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 16 2009 11:53AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00010	OlinLCSextras_00001	OP-abnms_00063
360-24454-A-5	OC-SB-470-31/33-XXX		T	30.59 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-49016
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 16 2009 11:53AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~360-49016/1		3546, 8270C LL		microwave tubes cleaned before extraction
LCS~360-49016/2		3546, 8270C LL		
LCSD~360-49016/3		3546, 8270C LL		
360-24444-A-9~MS	OC-SB-467-6.0/8.0-XMS		T	
360-24444-A-9~MSD	OC-SB-467-6.0/8.0-MSD		T	
360-24444-A-12	OC-SB-459-0.0/1.0-XXX		T	
360-24444-A-13	OC-SB-459-26/28-XXX		T	
360-24454-A-2	OC-SB-461-28/30-XXX		T	
360-24454-A-3	OC-SB-461-5.0/7.0-XXX		T	
360-24454-A-4	OC-SB-470-0.0/1.0-XXX		T	
360-24454-A-5	OC-SB-470-31/33-XXX		T	
360-24454-A-6	OC-SB-470-7.0/9.0-XXX		T	
360-24454-A-7	OC-SB-472-0.0/1.0-XXX		T	
360-24454-A-8	OC-SB-472-30/32-XXX		T	
360-24454-A-9	OC-SB-472-8.0/10-XXX		T	
360-24499-A-1	OC-SB-466-6.0/8.0-XXX		T	
360-24499-A-2	OC-SB-469-0.0/1.0-XXX		T	
360-24499-A-3	OC-SB-469-28/30-XXX		T	
360-24499-A-4	OC-SB-469-36/37-XXX		T	
360-24499-A-5	OC-SB-469-7.0/9.0-XXX		T	
360-24499-A-6	OC-SB-466-0.0/1.0-XXX		T	
360-24499-A-7	OC-SB-466-30/32-XXX		T	
360-24499-A-14	OC-SB-417-0.0/1.0-XXX		T	
360-24444-A-13	OC-SB-459-26/28-XXX	3546, 8270C LL	T	
360-24454-A-2	OC-SB-461-28/30-XXX		T	

Organic Prep Worksheet

Batch Number: 360-49016
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 16 2009 11:53AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
360-24454-A-5	OC-SB-470-31/33-XXX		T	

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24444-2

SDG No.: OCRI-11A

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SB-462-31/33-XXX	360-24444-4
OC-SB-467-30/32-XXX	360-24444-7
OC-SB-459-26/28-XXX	360-24444-13

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-462-31/33-XXX
Lab Sample ID: 360-24444-4
Lab Name: TestAmerica Westfield
Job No.: 360-24444-2
SDG ID.: OCRI-11A
Matrix: Solid
Date Sampled: 09/03/2009 10:15
Reporting Basis: DRY
Date Received: 09/03/2009 16:50
% Solids: 91.6

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6000	2.8	0.72	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.55	0.20	mg/Kg			1	6010B
7440-38-2	Arsenic	2.2	1.1	0.10	mg/Kg			1	6010B
7440-39-3	Barium	26	0.55	0.072	mg/Kg			1	6010B
7440-41-7	Beryllium	0.17	0.22	0.028	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.18	0.22	0.0078	mg/Kg	J		1	6010B
7440-70-2	Calcium	3400	11	2.8	mg/Kg		B	1	6010B
7440-47-3	Chromium	150	0.55	0.074	mg/Kg			1	6010B
7440-48-4	Cobalt	7.6	0.55	0.072	mg/Kg			1	6010B
7440-50-8	Copper	20	1.1	0.072	mg/Kg			1	6010B
7439-89-6	Iron	13000	5.5	0.88	mg/Kg		B	1	6010B
7439-92-1	Lead	1.4	0.55	0.063	mg/Kg			1	6010B
7439-95-4	Magnesium	4100	11	0.55	mg/Kg		B	1	6010B
7439-96-5	Manganese	160	1.1	0.074	mg/Kg			1	6010B
7440-02-0	Nickel	6.3	1.1	0.072	mg/Kg			1	6010B
7440-09-7	Potassium	1800	220	35	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.55	0.26	mg/Kg			1	6010B
7440-22-4	Silver	2.4	0.55	0.056	mg/Kg			1	6010B
7440-23-5	Sodium	92	110	14	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.1	0.080	mg/Kg			1	6010B
7440-62-2	Vanadium	17	1.1	0.072	mg/Kg			1	6010B
7440-66-6	Zinc	15	2.8	0.65	mg/Kg			1	6010B
7440-31-5	Tin	59	5.5	0.35	mg/Kg		B ^	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-467-30/32-XXX
Lab Sample ID: 360-24444-7
Lab Name: TestAmerica Westfield
Job No.: 360-24444-2
SDG ID.: OCRI-11A
Matrix: Solid
Date Sampled: 09/02/2009 17:30
Reporting Basis: DRY
Date Received: 09/03/2009 16:50
% Solids: 89.2

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8400	3.4	0.88	mg/Kg			1	6010B
7440-36-0	Antimony	0.33	0.68	0.25	mg/Kg	J		1	6010B
7440-38-2	Arsenic	4.2	1.4	0.12	mg/Kg			1	6010B
7440-39-3	Barium	73	0.68	0.088	mg/Kg			1	6010B
7440-41-7	Beryllium	0.20	0.27	0.034	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.24	0.27	0.0095	mg/Kg	J		1	6010B
7440-70-2	Calcium	3100	14	3.4	mg/Kg		B	1	6010B
7440-47-3	Chromium	250	0.68	0.090	mg/Kg			1	6010B
7440-48-4	Cobalt	13	0.68	0.088	mg/Kg			1	6010B
7440-50-8	Copper	26	1.4	0.088	mg/Kg			1	6010B
7439-89-6	Iron	17000	6.8	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	1.7	0.68	0.078	mg/Kg			1	6010B
7439-95-4	Magnesium	5400	14	0.68	mg/Kg		B	1	6010B
7439-96-5	Manganese	220	1.4	0.091	mg/Kg			1	6010B
7440-02-0	Nickel	14	1.4	0.088	mg/Kg			1	6010B
7440-09-7	Potassium	3600	270	42	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.68	0.32	mg/Kg			1	6010B
7440-22-4	Silver	3.9	0.68	0.068	mg/Kg			1	6010B
7440-23-5	Sodium	200	140	18	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.4	0.098	mg/Kg			1	6010B
7440-62-2	Vanadium	27	1.4	0.088	mg/Kg			1	6010B
7440-66-6	Zinc	24	3.4	0.80	mg/Kg			1	6010B
7440-31-5	Tin	100	6.8	0.43	mg/Kg		B ^	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-459-26/28-XXX
Lab Sample ID: 360-24444-13
Lab Name: TestAmerica Westfield
Job No.: 360-24444-2
SDG ID.: OCRI-11A
Matrix: Solid
Date Sampled: 09/03/2009 12:25
Reporting Basis: DRY
Date Received: 09/03/2009 16:50
% Solids: 90.3

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7500	2.9	0.77	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.59	0.21	mg/Kg			1	6010B
7440-38-2	Arsenic	3.8	1.2	0.11	mg/Kg			1	6010B
7440-39-3	Barium	11	0.59	0.077	mg/Kg			1	6010B
7440-41-7	Beryllium	0.27	0.24	0.029	mg/Kg			1	6010B
7440-43-9	Cadmium	0.14	0.24	0.0082	mg/Kg	J		1	6010B
7440-70-2	Calcium	1400	12	2.9	mg/Kg		B	1	6010B
7440-47-3	Chromium	460	0.59	0.078	mg/Kg			1	6010B
7440-48-4	Cobalt	3.7	0.59	0.077	mg/Kg			1	6010B
7440-50-8	Copper	16	1.2	0.077	mg/Kg			1	6010B
7439-89-6	Iron	11000	5.9	0.94	mg/Kg		B	1	6010B
7439-92-1	Lead	1.7	0.59	0.067	mg/Kg			1	6010B
7439-95-4	Magnesium	2800	12	0.59	mg/Kg		B	1	6010B
7439-96-5	Manganese	80	1.2	0.079	mg/Kg			1	6010B
7440-02-0	Nickel	8.6	1.2	0.077	mg/Kg			1	6010B
7440-09-7	Potassium	840	240	37	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.59	0.28	mg/Kg			1	6010B
7440-22-4	Silver	8.4	0.59	0.059	mg/Kg			1	6010B
7440-23-5	Sodium	430	120	15	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.2	0.085	mg/Kg			1	6010B
7440-62-2	Vanadium	18	1.2	0.077	mg/Kg			1	6010B
7440-66-6	Zinc	14	2.9	0.69	mg/Kg			1	6010B
7440-31-5	Tin	190	5.9	0.38	mg/Kg		B ^	1	6010B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49209/6 09/18/2009 10:23				CCV 360-49209/13 09/18/2009 10:43				CCV 360-49209/25 09/18/2009 11:49			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	983		1000	98	999		1000	100	1000		1000	100
Al	982		1000	98	4980		5000	100	5000		5000	100
As	972		1000	97	998		1000	100	994		1000	99
Ba	984		1000	98	999		1000	100	1010		1000	101
Be	983		1000	98	995		1000	100	995		1000	100
Cd	986		1000	99	994		1000	99	991		1000	99
Co	988		1000	99	994		1000	99	995		1000	100
Cr	974		1000	97	994		1000	99	996		1000	100
Cu	973		1000	97	998		1000	100	999		1000	100
Fe	953		1000	95	4970		5000	99	4980		5000	100
Mn	984		1000	98	994		1000	99	996		1000	100
Ni	987		1000	99	991		1000	99	993		1000	99
Pb	987		1000	99	993		1000	99	991		1000	99
Sb	936		1000	94	995		1000	99	998		1000	100
Se	991		1000	99	1000		1000	100	988		1000	99
Tl	979		1000	98	1000		1000	100	997		1000	100
V	984		1000	98	995		1000	99	998		1000	100
Zn	985		1000	99	992		1000	99	988		1000	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49209/37 09/18/2009 12:41				CCV 360-49209/49 09/18/2009 13:16				CCV 360-49209/58 09/18/2009 14:09			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	998		1000	100	1000		1000	100	992		1000	99
Al	4980		5000	100	5010		5000	100	4970		5000	99
As	993		1000	99	998		1000	100	992		1000	99
Ba	1000		1000	100	1010		1000	101	999		1000	100
Be	989		1000	99	995		1000	99	985		1000	98
Cd	991		1000	99	993		1000	99	984		1000	98
Co	995		1000	100	996		1000	100	987		1000	99
Cr	993		1000	99	994		1000	99	986		1000	99
Cu	1000		1000	100	997		1000	100	992		1000	99
Fe	4980		5000	100	4990		5000	100	4940		5000	99
Mn	993		1000	99	995		1000	100	987		1000	99
Ni	989		1000	99	993		1000	99	982		1000	98
Pb	988		1000	99	992		1000	99	982		1000	98
Sb	993		1000	99	998		1000	100	991		1000	99
Se	993		1000	99	989		1000	99	988		1000	99
Tl	994		1000	99	1000		1000	100	997		1000	100
V	995		1000	99	997		1000	100	990		1000	99
Zn	988		1000	99	989		1000	99	980		1000	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49209/60 09/18/2009 15:53											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	975		1000	98								
Al	4850		5000	97								
As	974		1000	97								
Ba	980		1000	98								
Be	970		1000	97								
Cd	973		1000	97								
Co	972		1000	97								
Cr	971		1000	97								
Cu	970		1000	97								
Fe	4860		5000	97								
Mn	970		1000	97								
Ni	968		1000	97								
Pb	969		1000	97								
Sb	976		1000	98								
Se	971		1000	97								
Tl	982		1000	98								
V	972		1000	97								
Zn	969		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.: 360-24444-2

SDG No.: OCRI-11A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49209/6 09/18/2009 10:23				CCV 360-49209/13 09/18/2009 10:43				CCV 360-49209/25 09/18/2009 11:49			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	9930		10000	99	19900		20000	100	20000		20000	100
Mg	9760		10000	98	19800		20000	99	19900		20000	99
Na	9090		10000	91	19900		20000	99	19900		20000	100
Sn	974		1000	97	993		1000	99	993		1000	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49209/37 09/18/2009 12:41				CCV 360-49209/49 09/18/2009 13:16				CCV 360-49209/58 09/18/2009 14:09			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	19900		20000	100	20000		20000	100	19800		20000	99
Mg	19800		20000	99	19900		20000	99	19700		20000	98
Na	20000		20000	100	20100		20000	101	19800		20000	99
Sn	991		1000	99	993		1000	99	984		1000	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49209/60 09/18/2009 15:53											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	19500		20000	97								
Mg	19400		20000	97								
Na	19600		20000	98								
Sn	967		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.: 360-24444-2

SDG No.: OCRI-11A

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49209/13 09/18/2009 10:43				ICV 360-49209/16 09/18/2009 10:52				CCV 360-49209/25 09/18/2009 11:49			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	19500		20000	98	76200		75000	102	20100		20000	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.: 360-24444-2

SDG No.: OCRI-11A

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49209/37 09/18/2009 12:41				CCV 360-49209/49 09/18/2009 13:16				CCV 360-49209/58 09/18/2009 14:09			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	19600		20000	98	20400		20000	102	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.: 360-24444-2

SDG No.: OCRI-11A

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49209/60 09/18/2009 15:53											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	20000		20000	100								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49209/8 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	104		104	70-130
Antimony	10.0	11.9		119	70-130
Arsenic	10.0	10.6		106	70-130
Barium	10.0	11.2		112	70-130
Beryllium	1.00	0.987	J	99	70-130
Cadmium	1.00	1.05		105	70-130
Calcium	400	415		104	70-130
Chromium	5.00	5.24		105	70-130
Cobalt	10.0	10.8		108	70-130
Copper	10.0	10.8		108	70-130
Iron	100	104		104	70-130
Lead	5.00	5.23		105	70-130
Magnesium	400	422		105	70-130
Manganese	10.0	10.6		106	70-130
Nickel	10.0	10.4		104	70-130
Potassium	4000	3210	J	80	70-130
Silver	5.00	4.75	J	95	70-130
Sodium	2000	1980	J	99	70-130
Thallium	10.0	11.2		112	70-130
Vanadium	10.0	10.3		103	70-130
Zinc	50.0	51.6		103	70-130
Tin	50.0	31.5	J	63	70-130

Lab Sample ID: CRI 360-49209/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	50.0	49.4		99	70-130
Barium	2000	2200		110	70-130
Beryllium	4.00	4.18		104	70-130
Cadmium	5.00	5.25		105	70-130
Chromium	100	108		108	70-130
Lead	15.0	16.9		112	70-130
Nickel	100	111		111	70-130
Selenium	50.0	50.8		102	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.: 360-24444-2

SDG No.: OCRI-11A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49209/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	7.00	7.57		108	70-130
Vanadium	50.0	52.5		105	70-130
Zinc	900	953		106	70-130

Lab Sample ID: CRI 360-49209/18 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Selenium	10.0	11.2		112	70-130

Lab Sample ID: CRI 360-49209/19 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Thallium	2.00	2.10	J	105	70-130

Lab Sample ID: CRI 360-49209/20 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	6.00	7.74	J	129	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.: 360-24444-2

SDG No.: OCRI-11A

Concentration Units: ug/L

Analyte	RL	ICB 360-49209/7 09/18/2009 10:26		CCB 360-49209/14 09/18/2009 10:46		CCB 360-49209/26 09/18/2009 11:52		CCB 360-49209/38 09/18/2009 12:44	
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND		ND		ND	
Al	100	ND		ND		ND		ND	
As	10	ND		ND		ND		ND	
Ba	10	ND		ND		ND		ND	
Be	1.0	ND		ND		ND		ND	
Ca	400	ND		ND		ND		ND	
Cd	1.0	ND		ND		ND		ND	
Co	10	ND		ND		ND		ND	
Cr	5.0	ND		ND		ND		ND	
Cu	10	ND		ND		ND		ND	
Fe	100	ND		ND		ND		ND	
K	4000	ND		ND		ND		ND	
Mg	400	ND		ND		ND		ND	
Mn	10	ND		ND		ND		ND	
Na	2000	ND		ND		ND		ND	
Ni	10	ND		ND		ND		ND	
Pb	5.0	ND		ND		ND		ND	
Sb	10	4.59	J	ND		ND		ND	
Se	10	5.54	J	4.29	J	4.00	J	2.83	J
Sn	50	ND		ND		ND		ND	
Tl	10	ND		ND		ND		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.: 360-24444-2

SDG No.: OCRI-11A

Concentration Units: ug/L

Analyte	RL	CCB 360-49209/50 09/18/2009 13:18		CCB 360-49209/59 09/18/2009 14:12		CCB 360-49209/61 09/18/2009 15:56			
		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	5.25	J	3.63	J	4.34	J		
Sn	50	ND		ND		ND			
Tl	10	1.56	J	2.71	J	ND			
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.: 360-24444-2

SDG No.: OCRI-11A

Concentration Units: mg/Kg Lab Sample ID: MB 360-49128/1-A

Instrument Code: Varian ICP Batch No.: 49209

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	8.34	J		6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	1.09	J		6010B
7439-92-1	Lead	ND			6010B
7439-95-4	Magnesium	2.07	J		6010B
7439-96-5	Manganese	ND			6010B
7440-02-0	Nickel	ND			6010B
7440-09-7	Potassium	ND			6010B
7782-49-2	Selenium	0.244	J		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	0.443	J		6010B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

Lab Sample ID: ICSA 360-49209/10 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		**0.614**	
Al	**100000**	**114339**	**114**
As		**2.39**	
Ba		**0.393**	
Be		**0.0049**	
Ca	**100000**	**105625**	**106**
Cd		**0.485**	
Co		**1.63**	
Cr		**0.353**	
Cu		**0.575**	
Fe	**40000**	**44101**	**110**
K		**1421**	
Mg	**100000**	**110443**	**110**
Mn		**3.25**	
Na		**127**	
Ni		**5.48**	
Pb		**-1.75**	
Sb		**0.902**	
Se		**0.898**	
Sn		**-0.323**	
Tl		**1.65**	
V		**1.42**	
Zn		**-0.888**	
B		*7.93*	
Li		*1.41*	
Mo		*1.16*	
Si		*-2.84*	
Si		*-2.26*	
SiO2		*-6.08*	
Sr		*0.610*	
Ti		*1.67*	
Zr		*0.593*	

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.: 360-24444-2

SDG No.: OCRI-11A

Lab Sample ID: ICSAB 360-49209/11 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**	**612**	**102**
Al	**100000**	**111100**	**111**
As	**2000**	**1981**	**99**
Ba	**600**	**591**	**98**
Be	**200**	**192**	**96**
Ca	**100000**	**102172**	**102**
Cd	**600**	**573**	**95**
Co	**600**	**575**	**96**
Cr	**600**	**573**	**96**
Cu	**600**	**608**	**101**
Fe	**40000**	**43026**	**108**
K	**40000**	**43209**	**108**
Mg	**100000**	**106291**	**106**
Mn	**400**	**386**	**96**
Na		**-84.4**	
Ni	**600**	**578**	**96**
Pb	**2000**	**1876**	**94**
Sb		**947**	
Se	**1000**	**973**	**97**
Sn		**238**	
Tl	**2000**	**1869**	**93**
V	**600**	**588**	**98**
Zn	**600**	**557**	**93**
B		*7.27*	
Li		*1.51*	
Mo		*0.522*	
Si		*-3.21*	
Si		*-1.05*	
SiO2		*-6.86*	
Sr		*0.627*	
Ti		*1.54*	
Zr		*1.64*	

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.: 360-24444-2

SDG No.: OCRI-11A

Lab Sample ID: ICSA 360-49209/62 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		**0.521**	
Al	**100000**	**111101**	**111**
As		**0.505**	
Ba		**0.467**	
Be		**0.0146**	
Ca	**100000**	**103164**	**103**
Cd		**0.670**	
Co		**1.98**	
Cr		**0.878**	
Cu		**0.622**	
Fe	**40000**	**42962**	**107**
K		**1667**	
Mg	**100000**	**107592**	**108**
Mn		**3.16**	
Na		**154**	
Ni		**5.25**	
Pb		**-1.63**	
Sb		**1.40**	
Se		**-1.59**	
Sn		**0.203**	
Tl		**1.30**	
V		**2.65**	
Zn		**0.591**	
B		*11.1*	
Li		*1.48*	
Mo		*2.88*	
Si		*-0.0623*	
Si		*-1.53*	
SiO2		*-0.133*	
Sr		*0.606*	
Ti		*1.61*	
Zr		*1.02*	

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.: 360-24444-2

SDG No.: OCRI-11A

Lab Sample ID: ICSAB 360-49209/63 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**	**598**	**100**
Al	**100000**	**108247**	**108**
As	**2000**	**1929**	**96**
Ba	**600**	**581**	**97**
Be	**200**	**188**	**94**
Ca	**100000**	**99843**	**100**
Cd	**600**	**560**	**93**
Co	**600**	**564**	**94**
Cr	**600**	**559**	**93**
Cu	**600**	**590**	**98**
Fe	**40000**	**41846**	**105**
K	**40000**	**42462**	**106**
Mg	**100000**	**103522**	**104**
Mn	**400**	**375**	**94**
Na		**-106**	
Ni	**600**	**567**	**95**
Pb	**2000**	**1820**	**91**
Sb		**918**	
Se	**1000**	**946**	**95**
Sn		**227**	
Tl	**2000**	**1835**	**92**
V	**600**	**575**	**96**
Zn	**600**	**538**	**90**
B		*8.77*	
Li		*1.45*	
Mo		*1.13*	
Si		*-0.436*	
Si		*-0.158*	
SiO2		*-0.932*	
Sr		*0.622*	
Ti		*1.66*	
Zr		*3.17*	

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

FORM IVA-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-49128/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	250	237		95	80	120		6010B
Antimony	50.0	43.2		86	80	120		6010B
Arsenic	50.0	47.2		94	80	120		6010B
Barium	50.0	48.6		97	80	120		6010B
Beryllium	50.0	47.8		96	80	120		6010B
Cadmium	50.0	47.2		94	80	120		6010B
Calcium	1000	974		97	80	120		6010B
Chromium	50.0	48.2		96	80	120		6010B
Cobalt	50.0	47.8		96	80	120		6010B
Copper	50.0	48.6		97	80	120		6010B
Iron	250	240		96	80	120		6010B
Lead	50.0	47.2		94	80	120		6010B
Magnesium	1000	935		93	80	120		6010B
Manganese	50.0	48.2		96	80	120		6010B
Nickel	50.0	47.8		96	80	120		6010B
Potassium	1000	919		92	80	120		6010B
Selenium	50.0	47.1		94	80	120		6010B
Silver	50.0	47.6		95	80	120		6010B
Sodium	1000	929		93	80	120		6010B
Thallium	50.0	46.7		93	80	120		6010B
Vanadium	50.0	48.4		97	80	120		6010B
Zinc	50.0	46.7		93	80	120		6010B
Tin	50.0	47.7		95	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 360-49128/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	237		250	95	80-120	0	30		6010B
Antimony	45.1		50.0	90	80-120	4	30		6010B
Arsenic	47.3		50.0	95	80-120	0	30		6010B
Barium	48.7		50.0	97	80-120	0	30		6010B
Beryllium	47.9		50.0	96	80-120	0	30		6010B
Cadmium	47.2		50.0	94	80-120	0	30		6010B
Calcium	976		1000	98	80-120	0	30		6010B
Chromium	48.4		50.0	97	80-120	0	30		6010B
Cobalt	47.9		50.0	96	80-120	0	30		6010B
Copper	48.5		50.0	97	80-120	0	30		6010B
Iron	240		250	96	80-120	0	30		6010B
Lead	47.1		50.0	94	80-120	0	30		6010B
Magnesium	932		1000	93	80-120	0	30		6010B
Manganese	48.4		50.0	97	80-120	0	30		6010B
Nickel	47.5		50.0	95	80-120	1	30		6010B
Potassium	896		1000	90	80-120	2	30		6010B
Selenium	47.3		50.0	95	80-120	1	30		6010B
Silver	47.4		50.0	95	80-120	0	30		6010B
Sodium	925		1000	93	80-120	0	30		6010B
Thallium	46.7		50.0	93	80-120	0	30		6010B
Vanadium	48.6		50.0	97	80-120	0	30		6010B
Zinc	46.6		50.0	93	80-120	0	30		6010B
Tin	48.1		50.0	96	80-120	1	30		6010B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24444-2

SDG Number: OCRI-11A

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: 360-24444-2

SDG No.: OCRI-11A

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: 360-24444-2

SDG No.: OCRI-11A

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: 360-24444-2

SDG No.: OCRI-11A

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: 360-24444-2

SDG No.: OCRI-11A

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: 360-24444-2

SDG No.: OCRI-11A

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: 360-24444-2

SDG No.: OCRI-11A

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: 360-24444-2

SDG No.: OCRI-11A

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: 360-24444-2

SDG No.: OCRI-11A

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: 360-24444-2

SDG No.: OCRI-11A

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.: 360-24444-2

SDG No.: OCRI-11A

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-49128/1-A	09/18/2009 07:14	49128	2.0		100
LCS 360-49128/2-A	09/18/2009 07:14	49128	2.0		100
LCSD 360-49128/3-A	09/18/2009 07:14	49128	2.0		100
360-24444-4	09/18/2009 07:14	49128	1.97		100
360-24444-7	09/18/2009 07:14	49128	1.65		100
360-24444-13	09/18/2009 07:14	49128	1.88		100

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/18/2009 10:08 End Date: 09/18/2009 16:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
ZZZZZZ			10:08																				
ZZZZZZ			10:11																				
ZZZZZZ			10:14																				
ZZZZZZ			10:17																				
ZZZZZZ			10:20																				
ICV 360-49209/6	1		10:23	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
ICB 360-49209/7	1		10:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-49209/8	1		10:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
CRI 360-49209/9	1		10:31	X		X	X	X		X		X							X	X		X	
ICSA 360-49209/10	1		10:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49209/11	1		10:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:40																				
CCV 360-49209/13	1		10:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49209/14	1		10:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-49209/15			10:49																				
ICV 360-49209/16	1		10:52												X								
ICV 360-49209/17			10:55																				
CRI 360-49209/18	1		11:06																			X	
CRI 360-49209/19	1		11:09																				
CRI 360-49209/20	1		11:29																		X		
ZZZZZZ			11:38																				
ZZZZZZ			11:41																				
ZZZZZZ			11:44																				
ZZZZZZ			11:47																				
CCV 360-49209/25	1		11:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49209/26	1		11:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 360-49128/1-A	1	T	12:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 360-49128/2-A	1	T	12:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 360-49128/3-A	1	T	12:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:21																				
ZZZZZZ			12:24																				
ZZZZZZ			12:26																				
ZZZZZZ			12:29																				
ZZZZZZ			12:32																				
ZZZZZZ			12:35																				
ZZZZZZ			12:38																				
CCV 360-49209/37	1		12:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49209/38	1		12:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:47																				
ZZZZZZ			12:50																				
ZZZZZZ			12:52																				
ZZZZZZ			12:55																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/18/2009 10:08 End Date: 09/18/2009 16:05

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			12:58																				
ZZZZZZ			13:01																				
ZZZZZZ			13:04																				
ZZZZZZ			13:07																				
ZZZZZZ			13:10																				
ZZZZZZ			13:13																				
CCV 360-49209/49	1		13:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49209/50	1		13:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:21																				
ZZZZZZ			13:24																				
ZZZZZZ			13:27																				
360-24444-4	1	T	13:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24444-7	1	T	13:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24444-13	1	T	13:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:39																				
CCV 360-49209/58	1		14:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49209/59	1		14:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49209/60	1		15:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49209/61	1		15:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 360-49209/62	1		15:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49209/63	1		16:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:05																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/18/2009 10:08 End Date: 09/18/2009 16:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			10:08																				
ZZZZZZ			10:11																				
ZZZZZZ			10:14																				
ZZZZZZ			10:17																				
ZZZZZZ			10:20																				
ICV 360-49209/6	1		10:23	X	X	X																	
ICB 360-49209/7	1		10:26	X	X	X																	
CRI 360-49209/8	1		10:29	X	X	X																	
CRI 360-49209/9	1		10:31		X	X																	
ICSA 360-49209/10	1		10:34	X	X	X																	
ICSAB 360-49209/11	1		10:37	X	X	X																	
ZZZZZZ			10:40																				
CCV 360-49209/13	1		10:43	X	X	X																	
CCB 360-49209/14	1		10:46	X	X	X																	
ICB 360-49209/15			10:49																				
ICV 360-49209/16	1		10:52																				
ICV 360-49209/17			10:55																				
CRI 360-49209/18	1		11:06																				
CRI 360-49209/19	1		11:09	X																			
CRI 360-49209/20	1		11:29																				
ZZZZZZ			11:38																				
ZZZZZZ			11:41																				
ZZZZZZ			11:44																				
ZZZZZZ			11:47																				
CCV 360-49209/25	1		11:49	X	X	X																	
CCB 360-49209/26	1		11:52	X	X	X																	
MB 360-49128/1-A	1	T	12:12	X	X	X																	
LCS 360-49128/2-A	1	T	12:15	X	X	X																	
LCSD 360-49128/3-A	1	T	12:18	X	X	X																	
ZZZZZZ			12:21																				
ZZZZZZ			12:24																				
ZZZZZZ			12:26																				
ZZZZZZ			12:29																				
ZZZZZZ			12:32																				
ZZZZZZ			12:35																				
ZZZZZZ			12:38																				
CCV 360-49209/37	1		12:41	X	X	X																	
CCB 360-49209/38	1		12:44	X	X	X																	
ZZZZZZ			12:47																				
ZZZZZZ			12:50																				
ZZZZZZ			12:52																				
ZZZZZZ			12:55																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24444-2

SDG No.: OCRI-11A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/18/2009 10:08 End Date: 09/18/2009 16:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			12:58																				
ZZZZZZ			13:01																				
ZZZZZZ			13:04																				
ZZZZZZ			13:07																				
ZZZZZZ			13:10																				
ZZZZZZ			13:13																				
CCV 360-49209/49	1		13:16	X	X	X																	
CCB 360-49209/50	1		13:18	X	X	X																	
ZZZZZZ			13:21																				
ZZZZZZ			13:24																				
ZZZZZZ			13:27																				
360-24444-4	1	T	13:30	X	X	X																	
360-24444-7	1	T	13:33	X	X	X																	
360-24444-13	1	T	13:36	X	X	X																	
ZZZZZZ			13:39																				
CCV 360-49209/58	1		14:09	X	X	X																	
CCB 360-49209/59	1		14:12	X	X	X																	
CCV 360-49209/60	1		15:53	X	X	X																	
CCB 360-49209/61	1		15:56	X	X	X																	
ICSA 360-49209/62	1		15:59	X	X	X																	
ICSAB 360-49209/63	1		16:02	X	X	X																	
ZZZZZZ			16:05																				

Prep Types

T = Total/NA

MET091809emn@720/725/730/735-ES@Quant@. All Data Report 9/21/2009, 11:20:00 AM

Blank (Blk) **9/18/2009, 10:08:48 AM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	2.722	287.3	0.947388
Al 237.312	0.000000	ug/L	0.823	27.5	2.99652
As 188.980	0.000000	ug/L	0.918	59.1	1.55353
B 249.678	0.000000	ug/L	3.594	22.3	16.1326
Ba 493.408	0.000000	ug/L	15.132	12.1	125.044
Be 313.042	0.000000	ug/L	7.079	5.3	134.402
Ca 373.690	0.000000	ug/L	2.287	10.7	21.4238
Cd 214.439	0.000000	ug/L	0.513	27.2	1.88863
Co 228.615	0.000000	ug/L	0.049	0.4	12.8452
Cr 267.716	0.000000	ug/L	1.597	6.8	23.5758
Cu 327.395	0.000000	ug/L	2.049	3.2	64.6794
Fe 273.955	0.000000	ug/L	2.234	10.3	21.7606
K 404.721	0.000000	ug/L	7.526	46.8	16.0787
Li 610.365	0.000000	ug/L	2.587	30.0	8.62598
Mg 279.078	0.000000	ug/L	3.452	24.2	14.2809
Mn 257.610	0.000000	ug/L	0.000	0.0	45.4358
Mo 202.032	0.000000	ug/L	1.031	15.4	6.67387
Na 330.237	0.000000	ug/L	4.551	45.3	10.0582
Ni 216.555	0.000000	ug/L	0.644	17.2	3.74924
Pb 220.353	0.000000	ug/L	2.543	32.8	7.75617
Sb 217.582	0.000000	ug/L	0.513	179.0	0.286743
Se 196.026	0.000000	ug/L	0.597	37.0	1.61441
Si 251.611	0.000000	ug/L	0.713	1.6	43.9089
Si 288.158	0.000000	ug/L	5.421	1.4	378.149
Sn 283.998	0.000000	ug/L	1.086	8.4	12.9648
Sr 421.552	0.000000	ug/L	0.853	3.5	24.2873
Ti 336.122	0.000000	ug/L	8.849	19.7	44.8853
Tl 190.794	0.000000	ug/L	0.525	31.7	1.65399
V 292.401	0.000000	ug/L	0.786	6.4	12.2604
Zn 202.548	0.000000	ug/L	1.825	4.7	38.6034
Zr 339.198	0.000000	ug/L	3.142	107.7	2.91858

Standard 1 (Std) **9/18/2009, 10:11:41 AM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	3.794	0.0	8537.17
Al 237.312	5000.00	ug/L	34.750	0.2	22467.1
As 188.980	1000.00	ug/L	1.998	0.2	1078.49
B 249.678	1000.00	ug/L	250.397	0.9	29346.8
Ba 493.408	1000.00	ug/L	2049.903	0.1	2507616
Be 313.042	1000.00	ug/L	753.953	0.0	3383703
Ca 373.690	20000.0	ug/L	16.087	0.0	99539.6
Cd 214.439	1000.00	ug/L	26.726	0.1	38828.7
Co 228.615	1000.00	ug/L	4.301	0.0	8945.99
Cr 267.716	1000.00	ug/L	21.034	0.0	47809.9
Cu 327.395	1000.00	ug/L	214.060	0.3	67280.7
Fe 273.955	5000.00	ug/L	20.771	0.0	78643.4
K 404.721	20000.0	ug/L	6.720	2.4	282.255
Li 610.365	5000.00	ug/L	289.980	0.1	372110
Mg 279.078	20000.0	ug/L	66.683	0.1	89529.1
Mn 257.610	1000.00	ug/L	193.128	0.1	293849
Mo 202.032	1000.00	ug/L	1.790	0.0	9097.96
Na 330.237	20000.0	ug/L	5.229	0.2	2786.36

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	26.992	0.3	8487.09
Pb 220.353	1000.00	ug/L	7.149	0.1	5041.51
Sb 217.582	1000.00	ug/L	9.369	0.5	1937.60
Se 196.026	1000.00	ug/L	0.453	0.1	546.393
Si 251.611	1000.00	ug/L	13.719	0.3	5343.96
Si 288.158	1000.00	ug/L	31.517	0.3	12216.7
Sn 283.998	1000.00	ug/L	1.945	0.0	4562.38
Sr 421.552	1000.00	ug/L	2892.597	0.1	2420090
Ti 336.122	1000.00	ug/L	534.230	0.2	245957
Tl 190.794	1000.00	ug/L	1.582	0.2	797.626
V 292.401	1000.00	ug/L	22.484	0.1	39018.9
Zn 202.548	1000.00	ug/L	19.166	0.1	23258.9
Zr 339.198	1000.00	ug/L	165.703	0.3	58180.7

Standard 2 (Std) **9/18/2009, 10:14:34 AM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	160.563	0.2	105912
Ca 373.690	100000	ug/L	367.474	0.1	468925
Fe 273.955	25000.0	ug/L	230.009	0.1	353330
K 404.721	100000	ug/L	3.103	0.2	1738.42
Mg 279.078	100000	ug/L	121.313	0.0	422399
Na 330.237	100000	ug/L	19.553	0.1	15987.5

RB (ICV) **9/18/2009, 10:17:27 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	1.50550	ug/L	0.266012	17.7	13.7986	-
Al 237.312	0.811485	ug/L	0.521793	64.3	6.69440	-
As 188.980	3.20949	ug/L	1.80551	56.3	5.00995	-
B 249.678	6.04770	ug/L	0.424058	7.0	193.516	-
Ba 493.408	0.163951	ug/L	0.111722	68.1	536.149	-
Be 313.042	0.085784	ug/L	0.098430	114.7	424.659	-
Ca 373.690	2.79427	ug/L	3.01588	107.9	35.5282	-
Cd 214.439	0.187916	ug/L	0.061705	32.8	9.18481	-
Co 228.615	0.373391	ug/L	0.002986	0.8	16.1808	-
Cr 267.716	0.014595uv	ug/L	0.299668	2053.2	24.2733	-
Cu 327.395	0.153808	ug/L	0.080713	52.5	75.0178	-
Fe 273.955	2.75192	ug/L	1.49436	54.3	66.1273	-
K 404.721	-366.839uv	ug/L	322.454	87.9	11.5555	-
Li 610.365	0.103456	ug/L	0.050236	48.6	16.3252	-
Mg 279.078	1.63564	ug/L	1.32954	81.3	21.7046	-
Mn 257.610	0.126612	ug/L	0.082066	64.8	82.6347	-
Mo 202.032	2.65221	ug/L	0.694816	26.2	30.7859	-
Na 330.237	17.3153uv	ug/L	46.9742	271.3	12.3715	-
Ni 216.555	0.032186uv	ug/L	0.191486	594.9	4.02228	-
Pb 220.353	-0.314157uv	ug/L	0.055275	17.6	6.17477	-
Sb 217.582	1.77634	ug/L	0.430456	24.2	3.72807	-
Se 196.026	9.34060	ug/L	6.02461	64.5	6.70297	-
Si 251.611	-0.080496uv	ug/L	0.638827	793.6	43.4823	-
Si 288.158	-0.049154uv	ug/L	0.890149	1810.9	377.567	-
Sn 283.998	-0.670360uv	ug/L	0.870602	129.9	9.91504	-
Sr 421.552	0.158632	ug/L	0.112468	70.9	408.188	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	0.049822	ug/L	0.028712	57.6	57.1372	-
Tl 190.794	4.47142	ug/L	1.59502	35.7	5.21312	-
V 292.401	0.382525	ug/L	0.147749	38.6	27.1814	-
Zn 202.548	0.234868	ug/L	0.045477	19.4	44.0571	-
Zr 339.198	0.338363	ug/L	0.008174	2.4	22.6038	-

IPC (ICV) **9/18/2009, 10:20:20 AM** **Rack 0, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	997.177	ug/L	1.94351	0.2	8513.08	99.71773
Al 237.312	4982.32	ug/L	1.74187	0.0	22388.8	99.64633
As 188.980	997.694	ug/L	0.348029	0.0	1076.01	99.76940
B 249.678	993.266	ug/L	0.228437	0.0	29149.3	99.32655
Ba 493.408	997.523	ug/L	1.93414	0.2	2501405	99.75232
Be 313.042	993.450	ug/L	1.07503	0.1	3361539	99.34496
Ca 373.690	19907.8	ug/L	17.8613	0.1	99087.5	99.53909
Cd 214.439	994.860	ug/L	0.657691	0.1	38629.1	99.48604
Co 228.615	994.987	ug/L	0.455839	0.0	8901.20	99.49865
Cr 267.716	995.350	ug/L	0.118901	0.0	47587.7	99.53496
Cu 327.395	997.631	ug/L	15.9801	1.6	67121.5	99.76315
Fe 273.955	4973.20	ug/L	2.11200	0.0	78232.7	99.46404
K 404.721	19885.7	ug/L	67.2331	0.3	280.623	99.42850
Li 610.365	4970.37	ug/L	8.55710	0.2	369904	99.40732
Mg 279.078	19881.8	ug/L	4.09487	0.0	89007.5	99.40908
Mn 257.610	996.004	ug/L	0.242809	0.0	292675	99.60043
Mo 202.032	1001.15	ug/L	2.91569	0.3	9108.39	100.11470
Na 330.237	19814.1	ug/L	29.3891	0.1	2759.59	99.07045
Ni 216.555	990.699	ug/L	5.40343	0.5	8408.19	99.06986
Pb 220.353	995.660	ug/L	2.25938	0.2	5019.66	99.56596
Sb 217.582	994.174	ug/L	2.17302	0.2	1926.31	99.41743
Se 196.026	997.112	ug/L	4.20768	0.4	544.819	99.71117
Si 251.611	993.659	ug/L	5.00762	0.5	5310.35	99.36588
Si 288.158	994.399	ug/L	3.73920	0.4	12150.4	99.43986
Sn 283.998	995.823	ug/L	0.000305	0.0	4543.38	99.58232
Sr 421.552	996.051	ug/L	0.723766	0.1	2410534	99.60513
Ti 336.122	994.709	ug/L	0.110744	0.0	244656	99.47092
Tl 190.794	999.473	ug/L	0.887681	0.1	797.207	99.94730
V 292.401	994.974	ug/L	0.656655	0.1	38822.9	99.49744
Zn 202.548	995.263	ug/L	1.97355	0.2	23148.9	99.52631
Zr 339.198	1026.80	ug/L	2.33444	0.2	59739.7	102.67970

ICV (ICV) **9/18/2009, 10:23:13 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	982.743	ug/L	0.442589	0.0	8389.86	98.27425
Al 237.312	981.675	ug/L	0.137071	0.0	4464.07	98.16747
As 188.980	971.798	ug/L	1.42802	0.1	1048.12	97.17984
B 249.678	941.499	ug/L	6.16375	0.7	27630.9	94.14993
Ba 493.408	984.307	ug/L	0.123260	0.0	2468264	98.43065
Be 313.042	982.883	ug/L	1.48983	0.2	3325784	98.28825
Ca 373.690	9928.28	ug/L	7.36316	0.1	49782.2	99.28281

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	985.767	ug/L	0.637622	0.1	38276.0	98.57668
Co 228.615	988.434	ug/L	1.17961	0.1	8842.67	98.84339
Cr 267.716	974.367	ug/L	0.862132	0.1	46585.0	97.43667
Cu 327.395	972.542	ug/L	1.23623	0.1	65435.1	97.25423
Fe 273.955	953.014	ug/L	1.18409	0.1	15314.3	95.30137
K 404.721	8756.52	ug/L	289.678	3.3	127.802	87.56519Q
Li 610.365	9843.13	ug/L	15.7442	0.2	732537	98.43133
Mg 279.078	9759.91	ug/L	5.68793	0.1	44011.8	97.59914
Mn 257.610	984.377	ug/L	0.438403	0.0	289259	98.43774
Mo 202.032	966.245	ug/L	3.11323	0.3	8791.09	96.62453
Na 330.237	9092.44	ug/L	22.0198	0.2	1246.24	90.92439
Ni 216.555	986.742	ug/L	8.83262	0.9	8374.62	98.67419
Pb 220.353	986.502	ug/L	2.22507	0.2	4973.56	98.65015
Sb 217.582	935.529	ug/L	1.23726	0.1	1812.70	93.55290
Se 196.026	991.112	ug/L	5.97661	0.6	541.550	99.11118
Si 251.611	539.234	ug/L	13.6264	2.5	2901.88	107.84670
Si 288.158	535.220	ug/L	14.4661	2.7	6714.37	107.04400
Sn 283.998	974.355	ug/L	0.666797	0.1	4445.71	97.43553
Sr 421.552	981.689	ug/L	0.707970	0.1	2375776	98.16890
Ti 336.122	949.667	ug/L	1.25086	0.1	233580	94.96672
Tl 190.794	979.169	ug/L	0.163268	0.0	781.045	97.91685
V 292.401	983.905	ug/L	0.451221	0.0	38391.1	98.39054
Zn 202.548	985.477	ug/L	1.33256	0.1	22921.7	98.54775
Zr 339.198	1031.15	ug/L	4.24005	0.4	59992.9	103.11490

ICB (ICB) **9/18/2009, 10:26:07 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	0.117434	ug/L	0.151778	129.2	1.94983	0.11743
Al 237.312	0.566188	ug/L	0.132574	23.4	5.57660	0.56619
As 188.980	0.984330	ug/L	1.27551	129.6	2.61359	0.98433
B 249.678	30.6942	ug/L	4.61476	15.0	916.414	30.69417
Ba 493.408	0.033869	ug/L	0.021737	64.2	209.971	0.03387
Be 313.042	-0.014355uv	ug/L	0.011141	77.6	85.8318	-0.01435
Ca 373.690	-0.098839uv	ug/L	0.027463	27.8	20.9249	-0.09884
Cd 214.439	0.072478	ug/L	0.036785	50.8	4.70273	0.07248
Co 228.615	0.154382	ug/L	0.056581	36.7	14.2243	0.15438
Cr 267.716	0.046366	ug/L	0.039412	85.0	25.7914	0.04637
Cu 327.395	0.057977uv	ug/L	0.188475	325.1	68.5764	0.05798
Fe 273.955	0.219177	ug/L	0.233798	106.7	25.2943	0.21918
K 404.721	-55.6809uv	ug/L	190.842	342.7	15.3923	-55.68086
Li 610.365	-0.094034uv	ug/L	0.012823	13.6	1.62793	-0.09403
Mg 279.078	-0.867684uv	ug/L	0.954374	110.0	10.3427	-0.86768
Mn 257.610	-0.003619uv	ug/L	0.012526	346.1	44.3725	-0.00362
Mo 202.032	11.6294	ug/L	2.42031	20.8	112.400	11.62936
Na 330.237	15.6157	ug/L	3.43372	22.0	12.1442	15.61571
Ni 216.555	-0.021642uv	ug/L	0.036757	169.8	3.56564	-0.02164
Pb 220.353	-0.198847uv	ug/L	0.278571	140.1	6.75522	-0.19885
Sb 217.582	4.59459	ug/L	0.070553	1.5	9.18790	4.59459
Se 196.026	5.54038	ug/L	0.907834	16.4	4.63269	5.54038
Si 251.611	0.024212uv	ug/L	0.127813	527.9	44.0372	0.02421
Si 288.158	-0.240737uv	ug/L	0.222570	92.5	375.299	-0.24074
Sn 283.998	0.255361uv	ug/L	0.511915	200.5	14.1265	0.25536

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.032807	ug/L	0.018916	57.7	103.684	0.03281
Ti 336.122	0.317791	ug/L	0.155817	49.0	123.034	0.31779
Tl 190.794	1.38523	ug/L	0.151710	11.0	2.75659	1.38523
V 292.401	0.116795	ug/L	0.031781	27.2	16.8162	0.11680
Zn 202.548	0.085286	ug/L	0.035490	41.6	40.5837	0.08529
Zr 339.198	0.150859	ug/L	0.064790	42.9	11.6952	0.15086

CRI-RL (CRI) **9/18/2009, 10:29:00 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	4.75378	ug/L	0.225574	4.7	41.5267	95.07561
Al 237.312	103.936	ug/L	0.128860	0.1	476.486	103.93560
As 188.980	10.5514	ug/L	0.553682	5.2	12.9168	105.51450
B 249.678	24.1904	ug/L	0.812344	3.4	725.653	241.90401R
Ba 493.408	11.2071	ug/L	0.025559	0.2	28226.8	112.07130
Be 313.042	0.987133	ug/L	0.001802	0.2	3474.44	98.71333
Ca 373.690	415.340	ug/L	0.264086	0.1	2117.29	103.83510
Cd 214.439	1.04936	ug/L	0.073723	7.0	42.6318	104.93590
Co 228.615	10.7627	ug/L	0.017518	0.2	108.990	107.62680
Cr 267.716	5.24006	ug/L	0.063053	1.2	273.979	104.80110
Cu 327.395	10.8260	ug/L	0.225811	2.1	792.364	108.26050
Fe 273.955	103.883	ug/L	0.055761	0.1	1695.74	103.88320
K 404.721	3211.20	ug/L	159.261	5.0	56.1786	80.27995
Li 610.365	82.6266	ug/L	0.153455	0.2	6157.71	-R
Mg 279.078	421.841	ug/L	0.766363	0.2	1928.34	105.46030
Mn 257.610	10.6383	ug/L	0.015229	0.1	3170.99	106.38270
Mo 202.032	12.9057	ug/L	0.784480	6.1	124.003	129.05690
Na 330.237	1980.41	ug/L	73.9329	3.7	275.620	99.02049
Ni 216.555	10.3949	ug/L	0.145386	1.4	91.9330	103.94930
Pb 220.353	5.22588	ug/L	0.589388	11.3	34.0620	104.51770
Sb 217.582	11.9232	ug/L	0.861592	7.2	23.3857	119.23220
Se 196.026	13.9640	ug/L	0.115406	0.8	9.22167	139.63950R
Si 251.611	95.3342	ug/L	0.442292	0.5	549.185	95.33421
Si 288.158	97.9044	ug/L	0.331904	0.3	1537.19	97.90437
Sn 283.998	31.5332	ug/L	0.806777	2.6	156.422	63.06641R
Sr 421.552	22.0314	ug/L	0.042852	0.2	53341.7	110.15700
Ti 336.122	10.2613	ug/L	0.000784	0.0	2568.27	102.61310
Tl 190.794	11.2203	ug/L	0.051320	0.5	10.5850	112.20310
V 292.401	10.2649	ug/L	0.201258	2.0	412.661	102.64940
Zn 202.548	51.6119	ug/L	0.052416	0.1	1237.05	103.22380
Zr 339.198	9.57898	ug/L	0.207981	2.2	560.203	-R

CRI2-MCP (CRI) **9/18/2009, 10:31:55 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	7.57469	ug/L	0.102068	1.3	65.6067	108.20990
Al 237.312	5.36179	ug/L	0.638416	11.9	27.4295	-
As 188.980	49.4338	ug/L	0.594088	1.2	54.7907	98.86771
B 249.678	10.5154	ug/L	0.396859	3.8	324.555	-
Ba 493.408	2200.21	ug/L	1.61775	0.1	5517142	110.01070
Be 313.042	4.17976	ug/L	0.000070	0.0	14276.9	104.49410

MET091809emn@720/725/730/735-ES@Quant@. All Data Report 9/21/2009, 11:20:00 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	17.6966	ug/L	0.174361	1.0	110.748	-
Cd 214.439	5.25000	ug/L	0.029558	0.6	205.729	105.00000
Co 228.615	0.281274	ug/L	0.028700	10.2	15.3579	-
Cr 267.716	107.996	ug/L	0.071373	0.1	5184.32	107.99630
Cu 327.395	0.160181	ug/L	0.207170	129.3	75.4462	-
Fe 273.955	1.00480	ug/L	0.126829	12.6	37.9603	-
K 404.721	-236.623uv	ug/L	186.856	79.0	13.1611	-
Li 610.365	-0.086778uv	ug/L	0.012063	13.9	2.16797	-
Mg 279.078	0.474421uv	ug/L	1.02181	215.4	16.4341	-
Mn 257.610	0.003095	ug/L	0.001014	32.8	46.3450	-
Mo 202.032	1.68688	ug/L	0.454784	27.0	22.0098	-
Na 330.237	60.5448	ug/L	32.4149	53.5	18.1466	-
Ni 216.555	110.742	ug/L	0.512630	0.5	943.215	110.74240
Pb 220.353	16.8615	ug/L	0.258167	1.5	92.6329	112.41010
Sb 217.582	8.35764	ug/L	0.201589	2.4	16.4781	139.29401R
Se 196.026	50.7909	ug/L	0.614899	1.2	29.2842	101.58180
Si 251.611	-0.898394uv	ug/L	0.351591	39.1	39.1474	-
Si 288.158	-0.572842uv	ug/L	0.759214	132.5	371.367	-
Sn 283.998	44.9930	ug/L	0.592039	1.3	217.656	-
Sr 421.552	0.015012	ug/L	0.000291	1.9	60.6172	-
Ti 336.122	0.003177uv	ug/L	0.066680	2098.9	45.6665	-
Tl 190.794	3.39796	ug/L	2.34716	69.1	4.35867	169.89799R
V 292.401	52.5313	ug/L	0.285795	0.5	2061.33	105.06260
Zn 202.548	953.042	ug/L	4.41251	0.5	22168.6	105.89350
Zr 339.198	0.040065	ug/L	0.002209	5.5	5.24945	-

Interf Check A (ICSA) **9/18/2009, 10:34:49 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	0.613567	ug/L	0.016705	2.7	6.18494	0.61357
Al 237.312	114339	ug/L	214.949	0.2	4557444	338.50000K
As 188.980	2.38920	ug/L	2.49117	104.3	4.12656	2.38920
B 249.678	7.93110	ug/L	0.003479	0.0	248.757	7.93110
Ba 493.408	0.393480	ug/L	0.041579	10.6	1111.69	0.39348
Be 313.042	0.004881	ug/L	0.001022	20.9	150.919	0.00488
Ca 373.690	105625	ug/L	347.841	0.3	4932845	625.00000K
Cd 214.439	0.484919	ug/L	0.069127	14.3	20.7165	0.48492
Co 228.615	1.62747	ug/L	0.477194	29.3	27.3837	1.62747
Cr 267.716	0.352685	ug/L	0.006683	1.9	40.4293	0.35269
Cu 327.395	0.575486	ug/L	0.005034	0.9	103.361	0.57549
Fe 273.955	44101.1	ug/L	94.8518	0.2	5852624	101.07813K
K 404.721	1420.78	ug/L	388.318	27.3	33.6997	1420.78296
Li 610.365	1.40675	ug/L	0.010652	0.8	113.316	1.40675
Mg 279.078	110443	ug/L	219.314	0.2	4632180	442.50000K
Mn 257.610	3.24705	ug/L	0.026190	0.8	999.429	3.24705
Mo 202.032	1.16118	ug/L	0.337831	29.1	17.2305	1.16118
Na 330.237	127.132	ug/L	37.3281	29.4	27.0443	127.13190
Ni 216.555	5.48118	ug/L	0.437106	8.0	50.2480	5.48118
Pb 220.353	-1.75360uv	ug/L	0.231595	13.2	-1.07105	-1.75360
Sb 217.582	0.901660	ug/L	0.692540	76.8	2.03354	0.90166
Se 196.026	0.897855uv	ug/L	4.94258	550.5	2.10355	0.89786
Si 251.611	-2.83923uv	ug/L	0.181166	6.4	28.8608	-2.83923
Si 288.158	-2.25866uv	ug/L	0.320709	14.2	351.409	-2.25866

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 283.998	-0.322696uv	ug/L	1.20081	372.1	11.4967	-0.32270
Sr 421.552	0.609806	ug/L	0.000188	0.0	1500.06	0.60981
Ti 336.122	1.67078	ug/L	0.039737	2.4	455.750	1.67078
Tl 190.794	1.65482	ug/L	0.789484	47.7	2.97118	1.65482
V 292.401	1.42100	ug/L	0.067413	4.7	67.6890	1.42100
Zn 202.548	-0.888062uv	ug/L	0.834755	94.0	17.9822	-0.88806
Zr 339.198	0.593442	ug/L	0.023623	4.0	37.4437	0.59344

Interf Check AB (ICSAB) **9/18/2009, 10:37:44 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	611.575	ug/L	1.74360	0.3	5221.48	101.92910
Al 237.312	111100	ug/L	456.741	0.4	443062	111.09990
As 188.980	1980.83	ug/L	3.94269	0.2	2134.78	99.04131
B 249.678	7.26992	ug/L	0.019912	0.3	229.364	-
Ba 493.408	590.670	ug/L	3.41750	0.6	1481224	98.44497
Be 313.042	192.495	ug/L	0.491962	0.3	651453	96.24726
Ca 373.690	102172	ug/L	424.839	0.4	478331	102.17200
Cd 214.439	572.682	ug/L	0.487905	0.1	22237.3	95.44708
Co 228.615	575.290	ug/L	1.43674	0.2	5151.99	95.88163
Cr 267.716	573.266	ug/L	1.18224	0.2	27417.8	95.54435
Cu 327.395	607.613	ug/L	4.65873	0.8	40906.1	101.26890
Fe 273.955	43025.9	ug/L	140.612	0.3	572207	107.56470
K 404.721	43209.1	ug/L	393.707	0.9	640.217	108.02270
Li 610.365	1.50944	ug/L	0.016999	1.1	120.959	-
Mg 279.078	106291	ug/L	226.666	0.2	446990	106.29100
Mn 257.610	385.500	ug/L	0.921280	0.2	113307	96.37494
Mo 202.032	0.522191	ug/L	0.102293	19.6	11.4213	-
Na 330.237	-84.3675uv	ug/L	14.9221	17.7	-1.21118	-
Ni 216.555	577.946	ug/L	0.369997	0.1	4906.67	96.32438
Pb 220.353	1875.81	ug/L	1.51840	0.1	9450.13	93.79054
Sb 217.582	946.592	ug/L	2.07661	0.2	1834.13	94.65923
Se 196.026	973.285	ug/L	4.46542	0.5	531.839	97.32853
Si 251.611	-3.20769uv	ug/L	1.76052	54.9	26.9080	-
Si 288.158	-1.05177uv	ug/L	1.16765	111.0	365.697	-
Sn 283.998	238.246	ug/L	0.572161	0.2	1096.84	-
Sr 421.552	0.627090	ug/L	0.002206	0.4	1541.89	-
Ti 336.122	1.54331	ug/L	0.048930	3.2	424.403	-
Tl 190.794	1868.86	ug/L	6.93348	0.4	1489.21	93.44278
V 292.401	588.073	ug/L	2.09741	0.4	22951.0	98.01218
Zn 202.548	557.185	ug/L	0.226236	0.0	12976.6	92.86420
Zr 339.198	1.63748	ug/L	0.077860	4.8	98.1837	-

RB (ICSAB) **9/18/2009, 10:40:38 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	0.428643	ug/L	0.238790	55.7	4.60638	-
Al 237.312	1.23913	ug/L	0.731671	59.0	8.64313	-
As 188.980	1.42227	ug/L	1.31622	92.5	3.08522	-
B 249.678	5.00394	ug/L	0.222138	4.4	162.902	-
Ba 493.408	0.006136uv	ug/L	0.013334	217.3	140.431	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	-0.050602uv	ug/L	0.000039	0.1	-36.8127	-
Ca 373.690	0.923432uv	ug/L	1.61367	174.7	26.0850	-
Cd 214.439	0.057636	ug/L	0.051840	89.9	4.12643	-
Co 228.615	-0.121921uv	ug/L	0.072056	59.1	11.7561	-
Cr 267.716	0.042605	ug/L	0.010215	24.0	25.6118	-
Cu 327.395	0.101783	ug/L	0.098955	97.2	71.5209	-
Fe 273.955	4.32321	ug/L	1.56049	36.1	91.4593	-
K 404.721	-272.352uv	ug/L	218.428	80.2	12.7206	-
Li 610.365	-0.057344uv	ug/L	0.007033	12.3	4.35840	-
Mg 279.078	0.636789uv	ug/L	2.48596	390.4	17.1711	-
Mn 257.610	-0.019129uv	ug/L	0.006501	34.0	39.8157	-
Mo 202.032	0.491652	ug/L	0.182741	37.2	11.1436	-
Na 330.237	32.1204	ug/L	11.0603	34.4	14.3490	-
Ni 216.555	-0.015463uv	ug/L	0.395021	2554.6	3.61806	-
Pb 220.353	-0.064239uv	ug/L	0.123223	191.8	7.43280	-
Sb 217.582	3.04634	ug/L	0.480347	15.8	6.18845	-
Se 196.026	4.11600	ug/L	1.04799	25.5	3.85672	-
Si 251.611	-0.758890uv	ug/L	0.024421	3.2	39.8867	-
Si 288.158	-1.22680uv	ug/L	0.884732	72.1	363.625	-
Sn 283.998	-1.75913uv	ug/L	0.540735	30.7	4.96179	-
Sr 421.552	-0.001385uv	ug/L	0.001509	109.0	20.9363	-
Ti 336.122	-0.039059uv	ug/L	0.068143	174.5	35.2803	-
Tl 190.794	3.67429	ug/L	1.99700	54.4	4.57862	-
V 292.401	0.074469	ug/L	0.050763	68.2	15.1652	-
Zn 202.548	0.083818	ug/L	0.056479	67.4	40.5496	-
Zr 339.198	0.011587uv	ug/L	0.030132	260.0	3.59271	-

CCV (CCV) **9/18/2009, 10:43:32 AM** **Rack 4, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	998.811	ug/L	1.85167	0.2	8527.03	99.88112
Al 237.312	4978.92	ug/L	19.8132	0.4	22373.8	99.57840
As 188.980	997.505	ug/L	1.66522	0.2	1075.81	99.75052
B 249.678	989.473	ug/L	11.5058	1.2	29038.1	98.94731
Ba 493.408	999.341	ug/L	2.12779	0.2	2505964	99.93414
Be 313.042	995.263	ug/L	3.39700	0.3	3367675	99.52631
Ca 373.690	19902.0	ug/L	24.7183	0.1	99058.8	99.50990
Cd 214.439	993.914	ug/L	2.46508	0.2	38592.4	99.39137
Co 228.615	993.775	ug/L	1.53393	0.2	8890.38	99.37746
Cr 267.716	994.448	ug/L	2.39063	0.2	47544.6	99.44481
Cu 327.395	998.053	ug/L	0.058523	0.0	67149.9	99.80528
Fe 273.955	4968.46	ug/L	16.4195	0.3	78159.9	99.36915
K 404.721	19510.2	ug/L	28.2235	0.1	275.269	97.55080
Li 610.365	4954.70	ug/L	11.7139	0.2	368738	99.09393
Mg 279.078	19844.9	ug/L	57.9841	0.3	88844.8	99.22469
Mn 257.610	994.123	ug/L	2.76416	0.3	292122	99.41231
Mo 202.032	996.280	ug/L	5.34629	0.5	9064.14	99.62798
Na 330.237	19865.5	ug/L	31.9496	0.2	2767.00	99.32771
Ni 216.555	991.472	ug/L	1.63838	0.2	8414.74	99.14716
Pb 220.353	992.536	ug/L	3.70307	0.4	5003.94	99.25359
Sb 217.582	994.780	ug/L	4.04821	0.4	1927.48	99.47797
Se 196.026	1000.43	ug/L	0.583113	0.1	546.627	100.04300
Si 251.611	991.024	ug/L	3.41387	0.3	5296.39	99.10238

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	991.690	ug/L	6.03009	0.6	12118.3	99.16902
Sn 283.998	992.727	ug/L	3.44667	0.3	4529.29	99.27267
Sr 421.552	997.364	ug/L	2.69649	0.3	2413712	99.73643
Ti 336.122	991.289	ug/L	4.24199	0.4	243815	99.12886
Tl 190.794	999.701	ug/L	7.61642	0.8	797.388	99.97009
V 292.401	994.563	ug/L	3.13960	0.3	38806.8	99.45625
Zn 202.548	991.708	ug/L	2.69110	0.3	23066.4	99.17075
Zr 339.198	993.337	ug/L	5.85310	0.6	57793.1	99.33370

CCB (CCB) **9/18/2009, 10:46:26 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	0.091886uv	ug/L	0.388951	423.3	1.73175	0.09189
Al 237.312	0.345992uv	ug/L	0.758906	219.3	4.57318	0.34599
As 188.980	0.832502uv	ug/L	2.05868	247.3	2.45008	0.83250
B 249.678	18.2654	ug/L	2.81443	15.4	551.870	18.26543
Ba 493.408	0.002581	ug/L	0.002921	113.2	131.516	0.00258
Be 313.042	-0.001787uv	ug/L	0.000381	21.3	128.357	-0.00179
Ca 373.690	-0.937820uv	ug/L	0.453949	48.4	16.6901	-0.93782
Cd 214.439	0.048741	ug/L	0.023934	49.1	3.78108	0.04874
Co 228.615	-0.018372uv	ug/L	0.194045	1056.2	12.6811	-0.01837
Cr 267.716	0.032062uv	ug/L	0.057693	179.9	25.1079	0.03206
Cu 327.395	-0.153714uv	ug/L	0.085274	55.5	54.3474	-0.15371
Fe 273.955	1.57796	ug/L	0.490614	31.1	47.2008	1.57796
K 404.721	53.7927uv	ug/L	214.501	398.8	16.7430	53.79270
Li 610.365	0.974526	ug/L	0.145195	14.9	81.1504	0.97453
Mg 279.078	-0.416945uv	ug/L	0.266117	63.8	12.3885	-0.41695
Mn 257.610	-0.024560uv	ug/L	0.000588	2.4	38.2199	-0.02456
Mo 202.032	10.4374	ug/L	2.22021	21.3	101.564	10.43743
Na 330.237	-5.35528uv	ug/L	5.91276	110.4	9.34290	-5.35528
Ni 216.555	-0.102742uv	ug/L	0.347774	338.5	2.87764	-0.10274
Pb 220.353	-0.625368uv	ug/L	0.088722	14.2	4.60821	-0.62537
Sb 217.582	1.85418	ug/L	2.04663	110.4	3.87888	1.85418
Se 196.026	4.28854	ug/L	2.25187	52.5	3.95072	4.28854
Si 251.611	-0.388254uv	ug/L	0.285852	73.6	41.8511	-0.38825
Si 288.158	-1.41870uv	ug/L	0.547975	38.6	361.353	-1.41870
Sn 283.998	-0.411135uv	ug/L	0.562061	136.7	11.0944	-0.41113
Sr 421.552	0.015610	ug/L	0.003005	19.2	62.0649	0.01561
Ti 336.122	0.213909	ug/L	0.096186	45.0	97.4880	0.21391
Tl 190.794	0.857613uv	ug/L	1.33541	155.7	2.33662	0.85761
V 292.401	0.181625	ug/L	0.032454	17.9	19.3450	0.18163
Zn 202.548	0.020181	ug/L	0.028313	140.3	39.0720	0.02018
Zr 339.198	0.597125	ug/L	0.092915	15.6	37.6580	0.59713

ICB RR (Samp) **9/18/2009, 10:49:20 AM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.087182uv	ug/L	0.350020	401.5	1.69159
Al 237.312	0.508569uv	ug/L	1.16472	229.0	5.31403
As 188.980	-0.113119uv	ug/L	0.410619	363.0	1.43171
B 249.678	9.06139	ug/L	0.172694	1.9	281.909

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	-0.003191uv	ug/L	0.002043	64.0	117.043
Be 313.042	0.011194	ug/L	0.001516	13.5	172.277
Ca 373.690	-0.342417uv	ug/L	0.358528	104.7	19.6954
Cd 214.439	0.001728uv	ug/L	0.052072	3013.4	1.95572
Co 228.615	0.145821	ug/L	0.109237	74.9	14.1479
Cr 267.716	-0.014668uv	ug/L	0.021679	147.8	22.8749
Cu 327.395	-0.156926uv	ug/L	0.023770	15.1	54.1315
Fe 273.955	0.324951	ug/L	0.105916	32.6	26.9996
K 404.721	-401.797uv	ug/L	93.2179	23.2	11.1245
Li 610.365	-0.057607uv	ug/L	0.075029	130.2	4.33887
Mg 279.078	-1.03173uv	ug/L	0.280476	27.2	9.59814
Mn 257.610	-0.035110uv	ug/L	0.014946	42.6	35.1204
Mo 202.032	2.82382	ug/L	1.02267	36.2	32.3460
Na 330.237	3.48335uv	ug/L	20.8473	598.5	10.5236
Ni 216.555	-0.147977uv	ug/L	0.283054	191.3	2.49390
Pb 220.353	-0.365556uv	ug/L	0.029228	8.0	5.91605
Sb 217.582	0.819818	ug/L	0.311762	38.0	1.87498
Se 196.026	2.42868	ug/L	0.241785	10.0	2.93751
Si 251.611	-1.17629uv	ug/L	0.462124	39.3	37.6745
Si 288.158	-0.689071uv	ug/L	0.135747	19.7	369.991
Sn 283.998	-0.506939uv	ug/L	0.913766	180.3	10.6585
Sr 421.552	0.002197	ug/L	0.000700	31.9	29.6033
Ti 336.122	0.071199	ug/L	0.046861	65.8	62.3940
Tl 190.794	1.41324uv	ug/L	2.09175	148.0	2.77888
V 292.401	0.171168	ug/L	0.018232	10.7	18.9371
Zn 202.548	0.098905	ug/L	0.031294	31.6	40.9000
Zr 339.198	0.334216	ug/L	0.054492	16.3	22.3626

ICVNa K Mg Ca 75ppm (Samp) 9/18/2009, 10:52:15 AM Rack 1, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.865903	ug/L	0.184106	21.3	8.33893
Al 237.312	3.44619	ug/L	0.400741	11.6	18.7004
As 188.980	0.674560	ug/L	0.914323	135.5	2.27999
B 249.678	6.91133	ug/L	0.197994	2.9	218.847
Ba 493.408	0.246314	ug/L	0.000437	0.2	742.675
Be 313.042	-0.010036uv	ug/L	0.000672	6.7	100.444
Ca 373.690	76470.0	ug/L	6.41920	0.0	365044
Cd 214.439	0.043165	ug/L	0.060760	140.8	3.56459
Co 228.615	0.513601	ug/L	0.114223	22.2	17.4333
Cr 267.716	0.161339	ug/L	0.107585	66.7	31.2856
Cu 327.395	0.381597	ug/L	0.003560	0.9	90.3289
Fe 273.955	3.66077	ug/L	0.314155	8.6	80.7798
K 404.721	76219.5	ug/L	130.643	0.2	1240.15
Li 610.365	1.22860	ug/L	0.000037	0.0	100.059
Mg 279.078	76985.2	ug/L	2.67928	0.0	330767
Mn 257.610	3.77327	ug/L	0.012062	0.3	1154.04
Mo 202.032	1.56598	ug/L	0.637200	40.7	20.9106
Na 330.237	76674.0	ug/L	27.2347	0.0	11792.0
Ni 216.555	0.849916	ug/L	0.230473	27.1	10.9594
Pb 220.353	0.151280uv	ug/L	0.885716	585.5	8.51767
Sb 217.582	3.22155	ug/L	0.415497	12.9	6.52789
Se 196.026	1.26767	ug/L	1.33641	105.4	2.30502

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	2.96139	ug/L	1.34109	45.3	59.6044
Si 288.158	1.07145	ug/L	0.472001	44.1	390.833
Sn 283.998	-0.523803uv	ug/L	0.163700	31.3	10.5818
Sr 421.552	0.496867	ug/L	0.003577	0.7	1226.74
Ti 336.122	1.32699	ug/L	0.086597	6.5	371.207
Tl 190.794	1.14529uv	ug/L	1.80722	157.8	2.56560
V 292.401	1.25388	ug/L	0.013968	1.1	61.1699
Zn 202.548	0.139216uv	ug/L	0.697114	500.7	41.8360
Zr 339.198	0.536936	ug/L	0.061285	11.4	34.1564

ICV Sb 1ppm (Samp) **9/18/2009, 10:55:09 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.498057	ug/L	0.447235	89.8	5.19891
Al 237.312	1.71956	ug/L	0.336296	19.6	10.8324
As 188.980	0.185921uv	ug/L	0.303934	163.5	1.75376
B 249.678	4.89878	ug/L	0.135840	2.8	159.817
Ba 493.408	0.006601	ug/L	0.008984	136.1	141.596
Be 313.042	-0.053016uv	ug/L	0.000023	0.0	-44.9800
Ca 373.690	5.64237	ug/L	1.50608	26.7	49.9043
Cd 214.439	0.011562	ug/L	0.013798	119.3	2.33755
Co 228.615	0.101769	ug/L	0.049170	48.3	13.7543
Cr 267.716	0.113953	ug/L	0.079201	69.5	29.0212
Cu 327.395	0.044187uv	ug/L	0.115079	260.4	67.6495
Fe 273.955	1.07402	ug/L	0.126502	11.8	39.0762
K 404.721	-51.8470uv	ug/L	35.2822	68.1	15.4395
Li 610.365	-0.031822uv	ug/L	0.033738	106.0	6.25781
Mg 279.078	4.01785	ug/L	1.47964	36.8	32.5167
Mn 257.610	0.301614	ug/L	0.015497	5.1	134.051
Mo 202.032	0.783836	ug/L	0.770362	98.3	13.8000
Na 330.237	-43.5340uv	ug/L	19.7144	45.3	4.24316
Ni 216.555	-0.108710uv	ug/L	0.107546	98.9	2.82701
Pb 220.353	-0.598602uv	ug/L	0.547325	91.4	4.74295
Sb 217.582	1007.60	ug/L	2.64600	0.3	1952.33
Se 196.026	1.58569	ug/L	0.669306	42.2	2.47826
Si 251.611	1.32811	ug/L	0.124441	9.4	50.9479
Si 288.158	1.50919	ug/L	0.096936	6.4	396.015
Sn 283.998	0.011095uv	ug/L	0.337343	3040.5	13.0153
Sr 421.552	0.008481	ug/L	0.001015	12.0	44.8108
Ti 336.122	-0.045725uv	ug/L	0.008479	18.5	33.6409
Tl 190.794	1.19404	ug/L	0.898787	75.3	2.60441
V 292.401	0.115035	ug/L	0.063729	55.4	16.7475
Zn 202.548	-0.692869uv	ug/L	0.036730	5.3	22.5147
Zr 339.198	17.0097	ug/L	1.71163	10.1	992.507

CRI RL B Se (Samp) **9/18/2009, 11:06:27 AM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.78604	ug/L	0.688180	14.4	41.8021
Al 237.312	104.138	ug/L	0.485596	0.5	477.406
As 188.980	10.3018	ug/L	0.494437	4.8	12.6479

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	11.8170	ug/L	0.054328	0.5	362.732
Ba 493.408	11.2573	ug/L	0.008034	0.1	28352.5
Be 313.042	1.00300	ug/L	0.000445	0.0	3528.10
Ca 373.690	416.475	ug/L	0.398481	0.1	2123.01
Cd 214.439	0.995616	ug/L	0.017641	1.8	40.5452
Co 228.615	10.5921	ug/L	0.006307	0.1	107.466
Cr 267.716	5.12955	ug/L	0.110915	2.2	268.698
Cu 327.395	11.0431	ug/L	0.050766	0.5	806.953
Fe 273.955	103.485	ug/L	0.214432	0.2	1689.33
K 404.721	3644.80	ug/L	714.013	19.6	61.6823
Li 610.365	82.7574	ug/L	0.155052	0.2	6167.45
Mg 279.078	421.438	ug/L	0.446387	0.1	1926.51
Mn 257.610	10.6275	ug/L	0.004456	0.0	3167.84
Mo 202.032	9.85770	ug/L	0.113561	1.2	96.2931
Na 330.237	1936.57	ug/L	18.0971	0.9	269.719
Ni 216.555	10.2762	ug/L	0.202962	2.0	90.9255
Pb 220.353	4.69815	ug/L	0.099996	2.1	31.4055
Sb 217.582	10.4551	ug/L	1.29304	12.4	20.5415
Se 196.026	11.2075	ug/L	3.12540	27.9	7.72001
Si 251.611	95.8424	ug/L	1.19454	1.2	551.879
Si 288.158	97.5765	ug/L	0.571250	0.6	1533.31
Sn 283.998	31.4440	ug/L	0.184058	0.6	156.016
Sr 421.552	22.1162	ug/L	0.003105	0.0	53546.9
Ti 336.122	10.2242	ug/L	0.014534	0.1	2559.13
Tl 190.794	10.7188	ug/L	0.800396	7.5	10.1858
V 292.401	10.3813	ug/L	0.093259	0.9	417.202
Zn 202.548	51.3716	ug/L	0.158170	0.3	1231.47
Zr 339.198	11.7483	ug/L	0.255540	2.2	686.408

CRI-MCP Sb Tl (Samp) **9/18/2009, 11:09:21 AM** **Rack 1, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	7.62597	ug/L	0.687593	9.0	66.0444
Al 237.312	5.15881	ug/L	0.710169	13.8	26.5046
As 188.980	48.3731	ug/L	1.06938	2.2	53.6483
B 249.678	2.12436	ug/L	0.177200	8.3	78.4415
Ba 493.408	2204.72	ug/L	2.15447	0.1	5528438
Be 313.042	4.16172	ug/L	0.008639	0.2	14215.9
Ca 373.690	18.1692	ug/L	0.178842	1.0	113.134
Cd 214.439	5.23365	ug/L	0.019042	0.4	205.094
Co 228.615	0.152225	ug/L	0.041660	27.4	14.2051
Cr 267.716	107.482	ug/L	0.054326	0.1	5159.74
Cu 327.395	0.187645	ug/L	0.080702	43.0	77.2922
Fe 273.955	0.774454	ug/L	0.074751	9.7	34.2466
K 404.721	-169.991uv	ug/L	515.742	303.4	13.9836
Li 610.365	-0.004278uv	ug/L	0.009520	222.5	8.30762
Mg 279.078	0.226863uv	ug/L	1.11087	489.7	15.3105
Mn 257.610	0.023665	ug/L	0.008702	36.8	52.3887
Mo 202.032	0.225392	ug/L	0.147836	65.6	8.72298
Na 330.237	72.0429	ug/L	3.28049	4.6	19.6827
Ni 216.555	110.407	ug/L	0.413624	0.4	940.373
Pb 220.353	16.2317	ug/L	0.271909	1.7	89.4625
Sb 217.582	8.00525	ug/L	0.703912	8.8	15.7954

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Se 196.026	48.3551	ug/L	1.15653	2.4	27.9572
Si 251.611	-1.46545uv	ug/L	0.340101	23.2	36.1420
Si 288.158	-1.07496uv	ug/L	0.071118	6.6	365.423
Sn 283.998	46.9379	ug/L	0.128240	0.3	226.505
Sr 421.552	0.019343	ug/L	0.004157	21.5	71.0979
Ti 336.122	-0.025465uv	ug/L	0.016702	65.6	38.6231
Tl 190.794	2.10409	ug/L	0.126925	6.0	3.32878
V 292.401	52.5581	ug/L	0.256164	0.5	2062.38
Zn 202.548	938.547	ug/L	0.899420	0.1	21832.0
Zr 339.198	0.068211	ug/L	0.051092	74.9	6.88696

CRI-MCP Sb (Samp) **9/18/2009, 11:29:25 AM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	8.01582	ug/L	0.185279	2.3	69.3723
Al 237.312	1.18023	ug/L	0.531701	45.1	8.37476
As 188.980	49.6055	ug/L	0.012419	0.0	54.9756
B 249.678	0.567298	ug/L	0.249159	43.9	32.7718
Ba 493.408	2214.88	ug/L	2.01118	0.1	5553914
Be 313.042	4.18973	ug/L	0.000259	0.0	14310.6
Ca 373.690	19.6331	ug/L	0.310210	1.6	120.523
Cd 214.439	5.23986	ug/L	0.080290	1.5	205.335
Co 228.615	0.177095	ug/L	0.229466	129.6	14.4272
Cr 267.716	108.083	ug/L	0.076358	0.1	5188.45
Cu 327.395	0.076706	ug/L	0.039822	51.9	69.8353
Fe 273.955	0.613131	ug/L	0.173343	28.3	31.6457
K 404.721	-327.793uv	ug/L	56.2976	17.2	12.0370
Li 610.365	-0.011941uv	ug/L	0.063746	533.8	7.73731
Mg 279.078	0.454276	ug/L	0.538948	118.6	16.3427
Mn 257.610	0.317441	ug/L	0.013279	4.2	138.701
Mo 202.032	-0.156872uv	ug/L	0.068807	43.9	5.24770
Na 330.237	36.8553uv	ug/L	63.3665	171.9	14.9821
Ni 216.555	110.714	ug/L	0.263962	0.2	942.975
Pb 220.353	16.1076	ug/L	0.098590	0.6	88.8378
Sb 217.582	7.73717	ug/L	0.571584	7.4	15.2760
Se 196.026	48.8510	ug/L	2.10921	4.3	28.2274
Si 251.611	-0.960091uv	ug/L	0.263654	27.5	38.8204
Si 288.158	-1.51172uv	ug/L	0.078562	5.2	360.252
Sn 283.998	46.3167	ug/L	1.39845	3.0	223.678
Sr 421.552	0.012566	ug/L	0.001813	14.4	54.6982
Ti 336.122	-0.038738uv	ug/L	0.060975	157.4	35.3591
Tl 190.794	3.07291	ug/L	0.952601	31.0	4.09994
V 292.401	52.6661	ug/L	0.024301	0.0	2066.59
Zn 202.548	951.867	ug/L	4.86714	0.5	22141.3
Zr 339.198	0.035673	ug/L	0.039927	111.9	4.99396

360-24173-a-2-c@2 (Samp) **9/18/2009, 11:38:20 AM** **Rack 1, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.424446	ug/L	0.371670	87.6	4.57056
Al 237.312	111093	ug/L	177.688	0.2	443035

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	19.3500	ug/L	0.245629	1.3	22.3923
B 249.678	4.17838	ug/L	0.170010	4.1	138.687
Ba 493.408	688.528	ug/L	1.79293	0.3	1726604
Be 313.042	1.95424	ug/L	0.007552	0.4	6746.71
Ca 373.690	25586.5	ug/L	48.9547	0.2	126825
Cd 214.439	2.46830	ug/L	0.015116	0.6	97.7246
Co 228.615	110.122	ug/L	0.059348	0.1	996.581
Cr 267.716	268.350	ug/L	0.401653	0.1	12847.0
Cu 327.395	246.110	ug/L	0.037634	0.0	16607.3
Fe 273.955	187036	ug/L	801.273	0.4	2320828
K 404.721	38448.1	ug/L	149.302	0.4	562.487
Li 610.365	73.7610	ug/L	0.137012	0.2	5497.93
Mg 279.078	75367.9	ug/L	160.624	0.2	324202
Mn 257.610	1279.75	ug/L	2.71561	0.2	376039
Mo 202.032	6.64781	ug/L	0.410597	6.2	67.1111
Na 330.237	1688.48	ug/L	70.8741	4.2	236.344
Ni 216.555	196.355	ug/L	0.421118	0.2	1669.49
Pb 220.353	6.94489	ug/L	0.684000	9.8	42.7150
Sb 217.582	1.45128	ug/L	1.58820	109.4	3.09833
Se 196.026	-1.18762uv	ug/L	1.19201	100.4	0.967422
Si 251.611	1535.26	ug/L	7.60545	0.5	8180.88
Si 288.158	1579.68	ug/L	4.39792	0.3	19079.2
Sn 283.998	88.3422	ug/L	0.046179	0.1	414.870
Sr 421.552	58.5287	ug/L	0.116109	0.2	141668
Ti 336.122	8247.54	ug/L	15.9796	0.2	2028216
Tl 190.794	0.123431uv	ug/L	0.684987	555.0	1.75224
V 292.401	262.260	ug/L	0.481885	0.2	10242.1
Zn 202.548	165.580	ug/L	1.55890	0.9	3883.42
Zr 339.198	17.9549	ug/L	1.20480	6.7	1047.50

360-24176-a-5-d@5 (Samp) **9/18/2009, 11:41:13 AM** **Rack 1, Tube 8**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.496563	ug/L	0.533722	107.5	5.18616
Al 237.312	59193.2	ug/L	10.4657	0.0	239806
As 188.980	7.06235	ug/L	0.628527	8.9	9.15925
B 249.678	2.89402	ug/L	0.144672	5.0	101.016
Ba 493.408	108.881	ug/L	0.087892	0.1	273144
Be 313.042	1.48260	ug/L	0.001564	0.1	5150.89
Ca 373.690	17879.8	ug/L	18.1762	0.1	89125.4
Cd 214.439	1.62371	ug/L	0.035650	2.2	64.9320
Co 228.615	69.1183	ug/L	0.026386	0.0	630.289
Cr 267.716	123.037	ug/L	0.024093	0.0	5903.07
Cu 327.395	123.756	ug/L	0.609137	0.5	8383.07
Fe 273.955	118241	ug/L	30.4277	0.0	1485497
K 404.721	2437.18	ug/L	119.359	4.9	46.4207
Li 610.365	42.1682	ug/L	0.223247	0.5	3146.79
Mg 279.078	46168.0	ug/L	58.8639	0.1	202846
Mn 257.610	1455.28	ug/L	0.021838	0.0	427613
Mo 202.032	0.310918	ug/L	0.177105	57.0	9.50052
Na 330.237	733.102	ug/L	36.7434	5.0	108.123
Ni 216.555	122.331	ug/L	1.09453	0.9	1041.53
Pb 220.353	1.82152	ug/L	0.294201	16.2	16.9252

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sb 217.582	0.442521	ug/L	0.113660	25.7	1.14404
Se 196.026	0.581533uv	ug/L	1.64530	282.9	1.93122
Si 251.611	520.405	ug/L	1.21668	0.2	2802.08
Si 288.158	533.822	ug/L	6.23867	1.2	6697.82
Sn 283.998	36.8026	ug/L	0.643303	1.7	180.395
Sr 421.552	68.2478	ug/L	0.001154	0.0	165189
Ti 336.122	4235.47	ug/L	4.54233	0.1	1041599
Tl 190.794	-1.12085uv	ug/L	0.076479	6.8	0.761826
V 292.401	224.719	ug/L	0.168620	0.1	8777.79
Zn 202.548	123.252	ug/L	0.631369	0.5	2900.56
Zr 339.198	6.83619	ug/L	0.252384	3.7	400.633

360-24223-a-2-d@2 (Samp) **9/18/2009, 11:44:06 AM** **Rack 1, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.03698	ug/L	0.058851	5.7	9.79932
Al 237.312	142415	ug/L	1250.33	0.9	565684
As 188.980	17.0104	ug/L	1.62352	9.5	19.8727
B 249.678	5.20397	ug/L	0.259886	5.0	168.769
Ba 493.408	1613.64	ug/L	10.6616	0.7	4046321
Be 313.042	2.28761	ug/L	0.015705	0.7	7874.67
Ca 373.690	35956.9	ug/L	311.848	0.9	176882
Cd 214.439	3.77593	ug/L	0.100408	2.7	148.496
Co 228.615	203.775	ug/L	1.16674	0.6	1833.19
Cr 267.716	88.2655	ug/L	0.893961	1.0	4241.46
Cu 327.395	205.396	ug/L	1.74149	0.8	13870.6
Fe 273.955	257123	ug/L	1210.29	0.5	3171843
K 404.721	76690.5	ug/L	457.824	0.6	1249.49
Li 610.365	73.2626	ug/L	0.366404	0.5	5460.85
Mg 279.078	99784.2	ug/L	683.231	0.7	421554
Mn 257.610	2467.50	ug/L	16.0711	0.7	725005
Mo 202.032	3.18192	ug/L	0.033017	1.0	35.6017
Na 330.237	3683.52	ug/L	105.139	2.9	505.642
Ni 216.555	181.083	ug/L	1.10999	0.6	1539.94
Pb 220.353	-1.30912uv	ug/L	0.208206	15.9	1.16638
Sb 217.582	3.62961	ug/L	2.13164	58.7	7.31842
Se 196.026	0.502002uv	ug/L	3.39604	676.5	1.88789
Si 251.611	1832.43	ug/L	40.1388	2.2	9755.90
Si 288.158	1855.70	ug/L	25.9681	1.4	22347.0
Sn 283.998	13.4213	ug/L	1.63317	12.2	74.0240
Sr 421.552	109.442	ug/L	0.710495	0.6	264881
Ti 336.122	13229.7	ug/L	79.9569	0.6	3253400
Tl 190.794	1.55207uv	ug/L	2.62714	169.3	2.88939
V 292.401	515.842	ug/L	3.29393	0.6	20133.5
Zn 202.548	162.517	ug/L	0.259447	0.2	3812.30
Zr 339.198	23.8441	ug/L	1.08922	4.6	1390.11

360-24223-a-14-d@2 (Samp) **9/18/2009, 11:47:01 AM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	22.2892	ug/L	0.210993	0.9	191.213
Al 237.312	112771	ug/L	255.592	0.2	449605
As 188.980	21.6737	ug/L	2.05836	9.5	24.8948
B 249.678	4.08868	ug/L	0.215678	5.3	136.056
Ba 493.408	747.311	ug/L	0.874734	0.1	1874001
Be 313.042	1.77533	ug/L	0.002837	0.2	6141.36
Ca 373.690	33992.0	ug/L	76.5968	0.2	167457
Cd 214.439	2.91566	ug/L	0.045813	1.6	115.094
Co 228.615	115.105	ug/L	0.274261	0.2	1041.09
Cr 267.716	1599.06	ug/L	3.70886	0.2	76436.7
Cu 327.395	306.173	ug/L	0.684406	0.2	20644.4
Fe 273.955	196251	ug/L	98.1111	0.0	2432718
K 404.721	30251.3	ug/L	268.275	0.9	433.864
Li 610.365	95.7657	ug/L	0.199699	0.2	7135.53
Mg 279.078	73414.5	ug/L	140.239	0.2	316251
Mn 257.610	1510.79	ug/L	2.38933	0.2	443921
Mo 202.032	2.02626	ug/L	0.126532	6.2	25.0952
Na 330.237	1936.90	ug/L	8.66439	0.4	269.762
Ni 216.555	188.391	ug/L	0.207635	0.1	1601.93
Pb 220.353	20.9514	ug/L	0.883426	4.2	113.220
Sb 217.582	1.58775	ug/L	0.318947	20.1	3.36270
Se 196.026	-0.818855uv	ug/L	0.517042	63.1	1.16832
Si 251.611	1976.68	ug/L	4.98169	0.3	10520.4
Si 288.158	2014.42	ug/L	18.4423	0.9	24226.0
Sn 283.998	617.712	ug/L	3.74809	0.6	2823.19
Sr 421.552	65.3911	ug/L	0.136699	0.2	158275
Ti 336.122	8478.96	ug/L	14.0151	0.2	2085125
Tl 190.794	-0.886272uv	ug/L	0.540976	61.0	0.948540
V 292.401	358.905	ug/L	0.642348	0.2	14012.0
Zn 202.548	201.797	ug/L	1.28515	0.6	4724.39
Zr 339.198	15.5271	ug/L	0.575910	3.7	906.253

CCV (CCV) **9/18/2009, 11:49:54 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	1000.72	ug/L	0.837834	0.1	8543.29	100.07170
Al 237.312	4998.82	ug/L	6.87392	0.1	22461.9	99.97646
As 188.980	994.347	ug/L	2.73520	0.3	1072.41	99.43475
B 249.678	972.083	ug/L	12.3527	1.3	28528.0	97.20830
Ba 493.408	1005.47	ug/L	1.49427	0.1	2521330	100.54700
Be 313.042	995.136	ug/L	2.66274	0.3	3367245	99.51359
Ca 373.690	19974.8	ug/L	29.4098	0.1	99415.8	99.87379
Cd 214.439	991.463	ug/L	0.125634	0.0	38497.2	99.14626
Co 228.615	995.438	ug/L	0.306209	0.0	8905.23	99.54378
Cr 267.716	995.922	ug/L	1.43756	0.1	47615.0	99.59222
Cu 327.395	998.691	ug/L	9.04237	0.9	67192.8	99.86913
Fe 273.955	4983.44	ug/L	4.78437	0.1	78389.6	99.66883
K 404.721	20068.7	ug/L	95.2895	0.5	283.237	100.34340
Li 610.365	4957.14	ug/L	6.08947	0.1	368920	99.14287
Mg 279.078	19850.2	ug/L	8.71178	0.0	88867.8	99.25079
Mn 257.610	995.746	ug/L	1.15181	0.1	292599	99.57460
Mo 202.032	996.740	ug/L	1.61231	0.2	9068.33	99.67399
Na 330.237	19933.3	ug/L	27.3659	0.1	2776.76	99.66666

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ni 216.555	992.854	ug/L	7.56437	0.8	8426.47	99.28539
Pb 220.353	991.163	ug/L	0.862045	0.1	4997.03	99.11633
Sb 217.582	997.674	ug/L	2.08161	0.2	1933.09	99.76744
Se 196.026	988.186	ug/L	0.098703	0.0	539.957	98.81859
Si 251.611	1000.14	ug/L	4.01399	0.4	5344.72	100.01420
Si 288.158	996.773	ug/L	5.19200	0.5	12178.5	99.67728
Sn 283.998	992.872	ug/L	1.55038	0.2	4529.95	99.28716
Sr 421.552	1001.24	ug/L	1.15923	0.1	2423082	100.12360
Ti 336.122	1001.72	ug/L	0.822814	0.1	246380	100.17200
Tl 190.794	997.231	ug/L	1.48888	0.1	795.422	99.72311
V 292.401	998.146	ug/L	1.14443	0.1	38946.6	99.81462
Zn 202.548	988.391	ug/L	0.924668	0.1	22989.4	98.83905
Zr 339.198	1012.45	ug/L	4.50781	0.4	58905.3	101.24540

CCB (CCB) **9/18/2009, 11:52:48 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	0.821793	ug/L	0.213258	26.0	7.96240	0.82179
Al 237.312	0.972561	ug/L	0.883736	90.9	7.42841	0.97256
As 188.980	1.94550	ug/L	0.457051	23.5	3.64872	1.94550
B 249.678	18.5687	ug/L	3.06861	16.5	560.765	18.56871
Ba 493.408	0.034381	ug/L	0.004000	11.6	211.253	0.03438
Be 313.042	0.020251	ug/L	0.000585	2.9	202.924	0.02025
Ca 373.690	-0.547205uv	ug/L	0.145114	26.5	18.6617	-0.54720
Cd 214.439	0.054474	ug/L	0.017855	32.8	4.00366	0.05447
Co 228.615	0.271273	ug/L	0.108795	40.1	15.2685	0.27127
Cr 267.716	-0.006612uv	ug/L	0.001797	27.2	23.2598	-0.00661
Cu 327.395	0.006972uv	ug/L	0.151853	2178.1	65.1481	0.00697
Fe 273.955	2.51710	ug/L	0.758169	30.1	62.3417	2.51710
K 404.721	-69.0699uv	ug/L	313.569	454.0	15.2277	-69.06990
Li 610.365	-0.176547uv	ug/L	0.014679	8.3	-4.51269	-0.17655
Mg 279.078	-0.393210uv	ug/L	1.05812	269.1	12.4962	-0.39321
Mn 257.610	0.015084	ug/L	0.003976	26.4	49.8675	0.01508
Mo 202.032	9.98469	ug/L	2.15535	21.6	97.4476	9.98469
Na 330.237	25.7003	ug/L	32.5731	126.7	13.4915	25.70025
Ni 216.555	0.000149uv	ug/L	0.314914	210945.0	3.75050	0.00015
Pb 220.353	-0.404781uv	ug/L	0.151816	37.5	5.71860	-0.40478
Sb 217.582	1.62914	ug/L	1.06380	65.3	3.44289	1.62914
Se 196.026	3.99753	ug/L	1.52716	38.2	3.79218	3.99753
Si 251.611	0.015299uv	ug/L	0.350377	2290.2	43.9900	0.01530
Si 288.158	-0.320701uv	ug/L	0.294242	91.7	374.352	-0.32070
Sn 283.998	-0.443843uv	ug/L	0.304519	68.6	10.9456	-0.44384
Sr 421.552	0.033964	ug/L	0.002022	6.0	106.484	0.03396
Ti 336.122	0.578756	ug/L	0.291279	50.3	187.208	0.57876
Tl 190.794	-0.544797uv	ug/L	0.997652	183.1	1.22035	-0.54480
V 292.401	0.162880	ug/L	0.045696	28.1	18.6138	0.16288
Zn 202.548	0.042693	ug/L	0.037212	87.2	39.5947	0.04269
Zr 339.198	0.598796	ug/L	0.085910	14.3	37.7552	0.59880

MB 360-49128/1-A (Samp) **9/18/2009, 12:12:29 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.019927uv	ug/L	0.084302	423.0	0.777283
Al 237.312	4.66004	ug/L	0.043018	0.9	24.2318
As 188.980	-0.662102uv	ug/L	0.497707	75.2	0.840488
B 249.678	1.92930	ug/L	0.089623	4.6	72.7203
Ba 493.408	0.870976	ug/L	0.003954	0.5	2309.01
Be 313.042	-0.012099uv	ug/L	0.000023	0.2	93.4634
Ca 373.690	166.770	ug/L	1.16417	0.7	863.119
Cd 214.439	0.045368	ug/L	0.003664	8.1	3.65010
Co 228.615	0.075119uv	ug/L	0.241097	321.0	13.5163
Cr 267.716	0.788474	ug/L	0.082619	10.5	61.2541
Cu 327.395	0.869983	ug/L	0.056550	6.5	123.156
Fe 273.955	21.8466	ug/L	0.210709	1.0	373.941
K 404.721	-240.959uv	ug/L	285.394	118.4	13.1077
Li 610.365	0.108259	ug/L	0.052351	48.4	16.6826
Mg 279.078	41.4693	ug/L	0.470567	1.1	202.493
Mn 257.610	0.690105	ug/L	0.010550	1.5	248.191
Mo 202.032	0.189202	ug/L	0.088118	46.6	8.39397
Na 330.237	194.142	ug/L	20.0558	10.3	36.0007
Ni 216.555	0.660591	ug/L	0.096948	14.7	9.35326
Pb 220.353	-0.267651uv	ug/L	0.104600	39.1	6.40887
Sb 217.582	1.19749	ug/L	0.629183	52.5	2.60666
Se 196.026	4.88904	ug/L	1.17608	24.1	4.27786
Si 251.611	28.6495	ug/L	1.27051	4.4	195.753
Si 288.158	29.5900	ug/L	0.458555	1.5	728.451
Sn 283.998	8.85793	ug/L	0.400599	4.5	53.2632
Sr 421.552	0.405796	ug/L	0.000273	0.1	1006.34
Ti 336.122	0.376307	ug/L	0.095740	25.4	137.424
Tl 190.794	0.614734	ug/L	0.419365	68.2	2.14330
V 292.401	0.194162	ug/L	0.197534	101.7	19.8340
Zn 202.548	4.18579	ug/L	0.033461	0.8	135.799
Zr 339.198	2.59183	ug/L	0.389256	15.0	153.705

LCS 360-49128/2-A (Samp) **9/18/2009, 12:15:21 PM** **Rack 1, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	951.362	ug/L	0.681773	0.1	8121.99
Al 237.312	4739.49	ug/L	4.85998	0.1	21312.5
As 188.980	943.721	ug/L	1.83186	0.2	1017.88
B 249.678	894.559	ug/L	17.3538	1.9	26254.2
Ba 493.408	972.272	ug/L	1.72517	0.2	2438088
Be 313.042	956.482	ug/L	0.414536	0.0	3236458
Ca 373.690	19475.1	ug/L	34.4273	0.2	96964.5
Cd 214.439	944.108	ug/L	1.91684	0.2	36658.6
Co 228.615	956.708	ug/L	0.088820	0.0	8559.25
Cr 267.716	964.725	ug/L	1.52746	0.2	46124.2
Cu 327.395	972.330	ug/L	0.150407	0.0	65420.9
Fe 273.955	4796.30	ug/L	10.5955	0.2	75518.2
K 404.721	18374.9	ug/L	43.6224	0.2	259.167
Li 610.365	4519.79	ug/L	2.50526	0.1	336372
Mg 279.078	18693.6	ug/L	36.3000	0.2	83759.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	964.824	ug/L	0.969984	0.1	283514
Mo 202.032	976.872	ug/L	2.21920	0.2	8887.70
Na 330.237	18577.8	ug/L	34.6289	0.2	2582.02
Ni 216.555	955.952	ug/L	8.68260	0.9	8113.42
Pb 220.353	943.701	ug/L	1.46889	0.2	4758.12
Sb 217.582	864.784	ug/L	8.88566	1.0	1675.64
Se 196.026	941.180	ug/L	1.77044	0.2	514.349
Si 251.611	933.421	ug/L	3.54516	0.4	4991.09
Si 288.158	928.696	ug/L	3.91593	0.4	11372.6
Sn 283.998	953.171	ug/L	0.630198	0.1	4349.33
Sr 421.552	968.985	ug/L	2.42895	0.3	2345032
Ti 336.122	962.522	ug/L	1.63756	0.2	236741
Tl 190.794	934.253	ug/L	4.99593	0.5	745.294
V 292.401	967.780	ug/L	1.22540	0.1	37762.1
Zn 202.548	934.020	ug/L	2.85281	0.3	21726.9
Zr 339.198	987.322	ug/L	0.497702	0.1	57443.2

LCSD 360-49128/3-A (Samp) **9/18/2009, 12:18:14 PM** **Rack 1, Tube 13**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	948.431	ug/L	0.587299	0.1	8096.97
Al 237.312	4730.93	ug/L	4.12111	0.1	21274.6
As 188.980	945.498	ug/L	2.87629	0.3	1019.80
B 249.678	917.798	ug/L	11.6903	1.3	26935.8
Ba 493.408	974.143	ug/L	0.074017	0.0	2442780
Be 313.042	957.404	ug/L	3.21780	0.3	3239577
Ca 373.690	19527.2	ug/L	21.6551	0.1	97220.0
Cd 214.439	943.687	ug/L	1.40744	0.1	36642.2
Co 228.615	957.142	ug/L	1.41383	0.1	8563.13
Cr 267.716	967.766	ug/L	1.66557	0.2	46269.5
Cu 327.395	970.916	ug/L	14.7689	1.5	65325.8
Fe 273.955	4793.11	ug/L	5.31711	0.1	75469.2
K 404.721	17925.9	ug/L	8.18835	0.0	252.833
Li 610.365	4478.95	ug/L	2.53840	0.1	333333
Mg 279.078	18643.3	ug/L	19.6857	0.1	83536.4
Mn 257.610	967.244	ug/L	1.19462	0.1	284225
Mo 202.032	990.233	ug/L	2.17065	0.2	9009.17
Na 330.237	18502.2	ug/L	13.4309	0.1	2571.18
Ni 216.555	949.820	ug/L	0.297275	0.0	8061.40
Pb 220.353	942.571	ug/L	2.67957	0.3	4752.42
Sb 217.582	902.358	ug/L	2.51130	0.3	1748.43
Se 196.026	946.858	ug/L	3.20032	0.3	517.442
Si 251.611	1229.92	ug/L	4.51756	0.4	6562.55
Si 288.158	1226.22	ug/L	3.92042	0.3	14894.8
Sn 283.998	961.456	ug/L	1.47710	0.2	4387.02
Sr 421.552	971.239	ug/L	0.980256	0.1	2350485
Ti 336.122	964.366	ug/L	0.479748	0.0	237194
Tl 190.794	934.925	ug/L	6.26802	0.7	745.828
V 292.401	971.141	ug/L	0.564382	0.1	37893.2
Zn 202.548	932.444	ug/L	1.76488	0.2	21690.3
Zr 339.198	1018.80	ug/L	5.07629	0.5	59274.6

360-24582-A-22-D (Samp) **9/18/2009, 12:21:08 PM** **Rack 1, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	14.1891	ug/L	0.301514	2.1	122.069
Al 237.312	83359.9	ug/L	240.891	0.3	334438
As 188.980	67.7982	ug/L	1.02955	1.5	74.5680
B 249.678	33.0386	ug/L	3.75952	11.4	985.176
Ba 493.408	431.859	ug/L	0.485316	0.1	1083008
Be 313.042	2.52013	ug/L	0.003982	0.2	8661.42
Ca 373.690	9496.56	ug/L	67.6488	0.7	47633.1
Cd 214.439	10.9392	ug/L	0.073327	0.7	426.622
Co 228.615	32.9664	ug/L	0.051051	0.2	307.339
Cr 267.716	918.586	ug/L	3.67498	0.4	43919.4
Cu 327.395	512.413	ug/L	2.02950	0.4	34507.1
Fe 273.955	141595	ug/L	470.381	0.3	1769067
K 404.721	7025.03	ug/L	375.750	5.3	105.117
Li 610.365	59.4853	ug/L	0.110418	0.2	4435.53
Mg 279.078	14620.8	ug/L	53.1690	0.4	65701.0
Mn 257.610	855.067	ug/L	2.83797	0.3	251267
Mo 202.032	21.2497	ug/L	0.997598	4.7	199.861
Na 330.237	9.39467uv	ug/L	27.6538	294.4	11.3132
Ni 216.555	117.638	ug/L	0.456880	0.4	1001.71
Pb 220.353	425.365	ug/L	3.11733	0.7	2148.94
Sb 217.582	13.1357	ug/L	0.938550	7.1	25.7347
Se 196.026	4.00530	ug/L	1.64362	41.0	3.79642
Si 251.611	3741.11	ug/L	44.5759	1.2	19872.0
Si 288.158	3793.70	ug/L	45.6170	1.2	45290.0
Sn 283.998	361.401	ug/L	3.29944	0.9	1657.13
Sr 421.552	30.9126	ug/L	0.049176	0.2	74834.8
Ti 336.122	2712.67	ug/L	24.5027	0.9	667123
Tl 190.794	0.928878	ug/L	0.832414	89.6	2.39335
V 292.401	160.049	ug/L	0.318228	0.2	6255.22
Zn 202.548	4552.52	ug/L	50.3662	1.1	105750
Zr 339.198	71.0397	ug/L	7.53029	10.6	4135.86

360-24582-A-22-E DU (Samp) **9/18/2009, 12:24:01 PM** **Rack 1, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	10.6750	ug/L	0.560518	5.3	92.0715
Al 237.312	82540.0	ug/L	263.740	0.3	331227
As 188.980	72.7507	ug/L	0.654157	0.9	79.9015
B 249.678	25.1213	ug/L	0.492722	2.0	752.957
Ba 493.408	243.410	ug/L	0.101120	0.0	610473
Be 313.042	2.34811	ug/L	0.012467	0.5	8079.39
Ca 373.690	10666.2	ug/L	54.2511	0.5	53452.5
Cd 214.439	9.87650	ug/L	0.011514	0.1	385.361
Co 228.615	41.4026	ug/L	0.130322	0.3	382.701
Cr 267.716	785.940	ug/L	2.78005	0.4	37580.8
Cu 327.395	484.458	ug/L	3.90631	0.8	32628.1
Fe 273.955	195348	ug/L	958.583	0.5	2421756
K 404.721	9814.39	ug/L	464.542	4.7	141.811
Li 610.365	65.1783	ug/L	0.199235	0.3	4859.21
Mg 279.078	16915.1	ug/L	61.6426	0.4	75886.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1058.68	ug/L	4.01623	0.4	311090
Mo 202.032	11.2839	ug/L	0.418843	3.7	109.259
Na 330.237	-375.110uv	ug/L	27.8178	7.4	-40.0471
Ni 216.555	110.930	ug/L	0.695028	0.6	944.805
Pb 220.353	186.482	ug/L	0.606979	0.3	946.462
Sb 217.582	2.63296	ug/L	2.81523	106.9	5.38760
Se 196.026	0.654147uv	ug/L	2.31371	353.7	1.97078
Si 251.611	3639.53	ug/L	58.4002	1.6	19333.6
Si 288.158	3697.45	ug/L	68.1838	1.8	44150.6
Sn 283.998	298.056	ug/L	3.29445	1.1	1368.94
Sr 421.552	30.5053	ug/L	0.073423	0.2	73849.2
Ti 336.122	3235.36	ug/L	14.0565	0.4	795661
Tl 190.794	0.311527uv	ug/L	1.21272	389.3	1.90196
V 292.401	195.204	ug/L	0.624016	0.3	7626.53
Zn 202.548	3963.30	ug/L	45.4518	1.1	92067.8
Zr 339.198	35.3075	ug/L	5.29405	15.0	2057.03

360-24582-A-22-F MS (Samp) **9/18/2009, 12:26:55 PM** **Rack 1, Tube 16**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	928.990	ug/L	4.47229	0.5	7931.02
Al 237.312	90378.2	ug/L	77.0912	0.1	361920
As 188.980	984.724	ug/L	3.82396	0.4	1062.04
B 249.678	886.796	ug/L	10.9534	1.2	26026.5
Ba 493.408	1082.05	ug/L	2.86373	0.3	2713359
Be 313.042	931.563	ug/L	0.053991	0.0	3152143
Ca 373.690	28807.0	ug/L	48.2297	0.2	142453
Cd 214.439	908.828	ug/L	2.49399	0.3	35288.8
Co 228.615	950.581	ug/L	0.530848	0.1	8504.53
Cr 267.716	1706.06	ug/L	3.69582	0.2	81549.8
Cu 327.395	1443.76	ug/L	15.7550	1.1	97108.8
Fe 273.955	121301	ug/L	104.132	0.1	1522646
K 404.721	25493.7	ug/L	257.999	1.0	362.225
Li 610.365	4579.94	ug/L	8.40069	0.2	340848
Mg 279.078	33173.2	ug/L	73.3209	0.2	147113
Mn 257.610	1707.89	ug/L	3.34918	0.2	501830
Mo 202.032	953.352	ug/L	1.52655	0.2	8673.88
Na 330.237	17160.7	ug/L	35.2656	0.2	2379.46
Ni 216.555	1012.03	ug/L	0.463133	0.0	8589.14
Pb 220.353	1063.29	ug/L	1.74783	0.2	5360.11
Sb 217.582	572.823	ug/L	8.35335	1.5	1110.02
Se 196.026	908.288	ug/L	3.21340	0.4	496.430
Si 251.611	6082.99	ug/L	84.1871	1.4	32284.1
Si 288.158	6084.56	ug/L	77.5956	1.3	72410.5
Sn 283.998	1204.56	ug/L	3.64300	0.3	5492.99
Sr 421.552	960.019	ug/L	1.88373	0.2	2323335
Ti 336.122	3932.44	ug/L	11.7258	0.3	967080
Tl 190.794	862.315	ug/L	5.12035	0.6	688.032
V 292.401	1093.78	ug/L	2.84017	0.3	42677.1
Zn 202.548	4854.42	ug/L	13.4143	0.3	112760
Zr 339.198	843.622	ug/L	7.78538	0.9	49083.0

360-24582-A-22-Dsd@5 (Samp) **9/18/2009, 12:29:48 PM** **Rack 1, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.45305	ug/L	0.382945	15.6	21.8871
Al 237.312	16485.8	ug/L	19.1913	0.1	71642.6
As 188.980	13.8356	ug/L	1.25099	9.0	16.4536
B 249.678	24.9439	ug/L	3.00663	12.1	747.755
Ba 493.408	94.4020	ug/L	0.017069	0.0	236837
Be 313.042	0.534728	ug/L	0.002475	0.5	1943.69
Ca 373.690	1991.56	ug/L	2.02905	0.1	10059.8
Cd 214.439	2.28079	ug/L	0.034124	1.5	90.4442
Co 228.615	7.09331	ug/L	0.121578	1.7	76.2107
Cr 267.716	190.582	ug/L	0.054153	0.0	9130.78
Cu 327.395	106.709	ug/L	0.660151	0.6	7237.22
Fe 273.955	28153.8	ug/L	7.66355	0.0	391625
K 404.721	1353.94	ug/L	104.749	7.7	32.8630
Li 610.365	6.45497	ug/L	0.159633	2.5	489.006
Mg 279.078	3154.63	ug/L	0.109277	0.0	14300.9
Mn 257.610	182.879	ug/L	0.082832	0.0	53775.8
Mo 202.032	7.79932	ug/L	0.781613	10.0	77.5798
Na 330.237	-2.09453uv	ug/L	44.7264	2135.4	9.77856
Ni 216.555	25.3267	ug/L	0.231620	0.9	218.605
Pb 220.353	91.9106	ug/L	0.939601	1.0	470.411
Sb 217.582	8.35983	ug/L	0.885329	10.6	16.4823
Se 196.026	1.67126	ug/L	1.91866	114.8	2.52488
Si 251.611	796.968	ug/L	18.8313	2.4	4267.88
Si 288.158	805.367	ug/L	19.6443	2.4	9912.51
Sn 283.998	75.2891	ug/L	0.295128	0.4	355.486
Sr 421.552	6.63019	ug/L	0.008856	0.1	16069.8
Ti 336.122	569.770	ug/L	1.18513	0.2	140158
Tl 190.794	1.09995	ug/L	0.359248	32.7	2.52951
V 292.401	33.4129	ug/L	0.007526	0.0	1315.59
Zn 202.548	1000.89	ug/L	2.36659	0.2	23279.5
Zr 339.198	18.7571	ug/L	2.41067	12.9	1094.16

360-24582-A-22-Dpds (Samp) **9/18/2009, 12:32:41 PM** **Rack 1, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	997.242	ug/L	2.13241	0.2	8513.63
Al 237.312	85500.0	ug/L	181.235	0.2	342818
As 188.980	1052.14	ug/L	1.53549	0.1	1134.64
B 249.678	912.373	ug/L	4.95402	0.5	26776.7
Ba 493.408	1401.10	ug/L	0.038066	0.0	3513372
Be 313.042	983.134	ug/L	1.91714	0.2	3326636
Ca 373.690	29260.6	ug/L	23.0376	0.1	144648
Cd 214.439	969.558	ug/L	1.44442	0.1	37646.7
Co 228.615	1007.50	ug/L	1.05216	0.1	9012.97
Cr 267.716	1840.85	ug/L	3.43066	0.2	87991.0
Cu 327.395	1510.45	ug/L	5.53169	0.4	101591
Fe 273.955	139332	ug/L	24.7487	0.0	1741584
K 404.721	25686.7	ug/L	281.931	1.1	365.088
Li 610.365	4897.48	ug/L	1.25021	0.0	364480
Mg 279.078	33210.3	ug/L	69.3020	0.2	147274

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1742.00	ug/L	5.63795	0.3	511851
Mo 202.032	968.667	ug/L	1.67765	0.2	8813.10
Na 330.237	18221.5	ug/L	3.43748	0.0	2530.99
Ni 216.555	1077.96	ug/L	3.34590	0.3	9148.45
Pb 220.353	1336.17	ug/L	1.02424	0.1	6733.69
Sb 217.582	922.044	ug/L	1.21417	0.1	1786.57
Se 196.026	969.143	ug/L	3.58353	0.4	529.583
Si 251.611	4671.72	ug/L	60.2163	1.3	24804.3
Si 288.158	4730.14	ug/L	68.4609	1.4	56376.1
Sn 283.998	1278.28	ug/L	0.262921	0.0	5828.37
Sr 421.552	1014.18	ug/L	0.876115	0.1	2454407
Ti 336.122	3481.71	ug/L	9.10262	0.3	856239
Tl 190.794	922.872	ug/L	5.53787	0.6	736.235
V 292.401	1148.90	ug/L	0.966575	0.1	44826.9
Zn 202.548	5289.30	ug/L	43.9373	0.8	122858
Zr 339.198	971.516	ug/L	0.309661	0.0	56523.6

360-24582-A-1-A (Samp) **9/18/2009, 12:35:34 PM** **Rack 1, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	35.3352	ug/L	0.370377	1.0	302.576
Al 237.312	114057	ug/L	164.187	0.1	454640
As 188.980	52.7148	ug/L	1.17987	2.2	58.3241
B 249.678	32.1260	ug/L	3.06054	9.5	958.410
Ba 493.408	540.321	ug/L	1.62124	0.3	1354976
Be 313.042	2.80871	ug/L	0.022359	0.8	9637.88
Ca 373.690	37800.8	ug/L	107.928	0.3	185702
Cd 214.439	3.47501	ug/L	0.009006	0.3	136.812
Co 228.615	102.262	ug/L	0.762754	0.7	926.367
Cr 267.716	2349.16	ug/L	8.15883	0.3	112281
Cu 327.395	338.166	ug/L	1.33463	0.4	22794.9
Fe 273.955	249410	ug/L	955.555	0.4	3078189
K 404.721	34183.2	ug/L	507.236	1.5	494.747
Li 610.365	156.169	ug/L	0.267657	0.2	11630.8
Mg 279.078	69943.1	ug/L	244.040	0.3	302062
Mn 257.610	1891.72	ug/L	9.66851	0.5	555839
Mo 202.032	31.1588	ug/L	1.36471	4.4	289.947
Na 330.237	5503.54	ug/L	80.2363	1.5	753.131
Ni 216.555	186.449	ug/L	0.997390	0.5	1585.46
Pb 220.353	39.8339	ug/L	0.553609	1.4	208.270
Sb 217.582	3.91829	ug/L	3.19860	81.6	7.87769
Se 196.026	1.21965	ug/L	0.186766	15.3	2.27885
Si 251.611	4697.75	ug/L	60.3136	1.3	24942.2
Si 288.158	4769.54	ug/L	65.8307	1.4	56842.6
Sn 283.998	914.212	ug/L	3.09437	0.3	4172.09
Sr 421.552	105.066	ug/L	0.233373	0.2	254291
Ti 336.122	11652.8	ug/L	32.1119	0.3	2865621
Tl 190.794	0.608307uv	ug/L	1.03014	169.3	2.13818
V 292.401	432.010	ug/L	1.66498	0.4	16863.5
Zn 202.548	303.440	ug/L	2.29307	0.8	7084.57
Zr 339.198	41.8868	ug/L	1.02232	2.4	2439.80

360-24582-A-5-A (Samp) **9/18/2009, 12:38:28 PM** **Rack 1, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.007036uv	ug/L	0.230610	3277.7	0.887329
Al 237.312	41154.6	ug/L	190.488	0.5	169170
As 188.980	103.481	ug/L	3.94263	3.8	112.996
B 249.678	26.3830	ug/L	0.327684	1.2	789.965
Ba 493.408	153.134	ug/L	0.880549	0.6	384108
Be 313.042	1.17235	ug/L	0.001228	0.1	4101.13
Ca 373.690	14666.5	ug/L	146.187	1.0	73280.9
Cd 214.439	8.01528	ug/L	0.218878	2.7	313.096
Co 228.615	33.8092	ug/L	0.188179	0.6	314.868
Cr 267.716	177.300	ug/L	0.552783	0.3	8496.08
Cu 327.395	406.313	ug/L	5.99427	1.5	27375.4
Fe 273.955	416439	ug/L	2343.51	0.6	5106319
K 404.721	4124.79	ug/L	518.110	12.6	67.7772
Li 610.365	1.22794	ug/L	0.016405	1.3	100.010
Mg 279.078	1978.21	ug/L	7.13322	0.4	8980.51
Mn 257.610	1165.87	ug/L	4.91047	0.4	342581
Mo 202.032	15.1392	ug/L	0.536367	3.5	144.308
Na 330.237	-30.0965uv	ug/L	9.82229	32.6	6.03809
Ni 216.555	128.959	ug/L	1.52649	1.2	1097.75
Pb 220.353	617.033	ug/L	1.90013	0.3	3113.75
Sb 217.582	0.904984	ug/L	0.348286	38.5	2.03998
Se 196.026	4.76251	ug/L	2.87187	60.3	4.20892
Si 251.611	5368.28	ug/L	84.2123	1.6	28496.1
Si 288.158	5460.37	ug/L	93.5401	1.7	65021.0
Sn 283.998	61.4771	ug/L	0.085607	0.1	292.649
Sr 421.552	31.3597	ug/L	0.096765	0.3	75916.9
Ti 336.122	1473.66	ug/L	2.43922	0.2	362437
Tl 190.794	0.059786uv	ug/L	1.03469	1730.6	1.70158
V 292.401	215.507	ug/L	0.773020	0.4	8418.45
Zn 202.548	224.102	ug/L	1.42793	0.6	5242.33
Zr 339.198	95.9646	ug/L	13.6109	14.2	5585.93

CCV (CCV) **9/18/2009, 12:41:21 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	997.826	ug/L	3.20986	0.3	8518.62	99.78259
Al 237.312	4977.95	ug/L	5.94722	0.1	22369.4	99.55894
As 188.980	992.802	ug/L	5.54706	0.6	1070.74	99.28017
B 249.678	977.951	ug/L	10.5573	1.1	28700.1	97.79513
Ba 493.408	999.863	ug/L	3.05945	0.3	2507272	99.98629
Be 313.042	988.977	ug/L	0.761616	0.1	3346405	98.89767
Ca 373.690	19929.4	ug/L	9.95612	0.0	99193.5	99.64721
Cd 214.439	990.548	ug/L	1.71399	0.2	38461.7	99.05479
Co 228.615	995.206	ug/L	0.648498	0.1	8903.17	99.52064
Cr 267.716	992.643	ug/L	0.142250	0.0	47458.3	99.26434
Cu 327.395	999.823	ug/L	8.26414	0.8	67268.8	99.98232
Fe 273.955	4982.12	ug/L	4.65662	0.1	78369.3	99.64236
K 404.721	19648.7	ug/L	432.810	2.2	277.246	98.24334
Li 610.365	4960.73	ug/L	7.89004	0.2	369187	99.21458
Mg 279.078	19804.9	ug/L	15.5577	0.1	88667.9	99.02434

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	992.680	ug/L	0.752250	0.1	291698	99.26798
Mo 202.032	995.715	ug/L	2.39097	0.2	9059.01	99.57153
Na 330.237	20011.0	ug/L	96.8184	0.5	2787.95	100.05520
Ni 216.555	989.215	ug/L	2.64358	0.3	8395.60	98.92149
Pb 220.353	987.525	ug/L	2.70284	0.3	4978.71	98.75246
Sb 217.582	992.824	ug/L	6.61834	0.7	1923.70	99.28243
Se 196.026	992.742	ug/L	3.76777	0.4	542.439	99.27422
Si 251.611	1008.04	ug/L	3.48253	0.3	5386.59	100.80440
Si 288.158	1001.23	ug/L	2.26158	0.2	12231.3	100.12310
Sn 283.998	990.654	ug/L	0.884574	0.1	4519.86	99.06539
Sr 421.552	994.747	ug/L	2.15365	0.2	2407377	99.47469
Ti 336.122	993.857	ug/L	1.22924	0.1	244447	99.38573
Tl 190.794	993.946	ug/L	0.936882	0.1	792.807	99.39455
V 292.401	994.540	ug/L	1.33571	0.1	38805.9	99.45400
Zn 202.548	987.840	ug/L	2.91246	0.3	22976.6	98.78398
Zr 339.198	915.948	ug/L	9.00279	1.0	53290.8	91.59479

CCB (CCB) **9/18/2009, 12:44:15 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	0.725924	ug/L	0.107468	14.8	7.14404	0.72592
Al 237.312	1.41937	ug/L	1.22524	86.3	9.46448	1.41937
As 188.980	0.336549	ug/L	0.189660	56.4	1.91597	0.33655
B 249.678	27.5301	ug/L	3.71279	13.5	823.609	27.53008
Ba 493.408	0.055615	ug/L	0.009789	17.6	264.497	0.05561
Be 313.042	0.054040	ug/L	0.007247	13.4	317.250	0.05404
Ca 373.690	0.916636	ug/L	0.188140	20.5	26.0507	0.91664
Cd 214.439	0.122147	ug/L	0.038605	31.6	6.63118	0.12215
Co 228.615	0.154280	ug/L	0.028323	18.4	14.2234	0.15428
Cr 267.716	0.004656uv	ug/L	0.070347	1511.0	23.7983	0.00466
Cu 327.395	-0.055416uv	ug/L	0.134154	242.1	60.9546	-0.05542
Fe 273.955	4.38656	ug/L	1.11822	25.5	92.4806	4.38656
K 404.721	-436.774uv	ug/L	533.700	122.2	10.6932	-436.77359
Li 610.365	-0.008438uv	ug/L	0.031882	377.9	7.99805	-0.00844
Mg 279.078	0.152806uv	ug/L	0.248012	162.3	14.9744	0.15281
Mn 257.610	0.039595	ug/L	0.008765	22.1	57.0690	0.03960
Mo 202.032	10.8642	ug/L	2.19366	20.2	105.444	10.86424
Na 330.237	-37.4641uv	ug/L	42.7838	114.2	5.05396	-37.46408
Ni 216.555	-0.028576uv	ug/L	0.337772	1182.0	3.50682	-0.02858
Pb 220.353	-0.233355uv	ug/L	0.261955	112.3	6.58151	-0.23336
Sb 217.582	2.15474	ug/L	1.18388	54.9	4.46114	2.15474
Se 196.026	2.83483	ug/L	0.153691	5.4	3.15877	2.83483
Si 251.611	4.11475	ug/L	0.040389	1.0	65.7173	4.11475
Si 288.158	3.12549	ug/L	0.245340	7.8	415.150	3.12549
Sn 283.998	-0.434761uv	ug/L	1.30260	299.6	10.9869	-0.43476
Sr 421.552	0.056342	ug/L	0.009737	17.3	160.638	0.05634
Ti 336.122	0.525615	ug/L	0.223399	42.5	174.140	0.52561
Tl 190.794	0.623255	ug/L	0.069125	11.1	2.15008	0.62326
V 292.401	0.184938	ug/L	0.025216	13.6	19.4742	0.18494
Zn 202.548	0.080159	ug/L	0.028024	35.0	40.4647	0.08016
Zr 339.198	0.538397	ug/L	0.102436	19.0	34.2413	0.53840

360-24582-A-6-A (Samp) **9/18/2009, 12:47:08 PM** **Rack 1, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.836265	ug/L	0.042631	5.1	8.08594
Al 237.312	108848	ug/L	299.625	0.3	434243
As 188.980	189.752	ug/L	0.978141	0.5	205.905
B 249.678	20.4694	ug/L	0.447636	2.2	616.514
Ba 493.408	262.306	ug/L	0.471225	0.2	657854
Be 313.042	3.19536	ug/L	0.013368	0.4	10946.1
Ca 373.690	14591.3	ug/L	54.4362	0.4	72909.3
Cd 214.439	2.60814	ug/L	0.143990	5.5	103.154
Co 228.615	46.7064	ug/L	0.024007	0.1	430.080
Cr 267.716	182.360	ug/L	0.995254	0.5	8737.88
Cu 327.395	204.773	ug/L	0.353640	0.2	13828.7
Fe 273.955	144402	ug/L	330.970	0.2	1803145
K 404.721	11729.1	ug/L	238.648	2.0	167.434
Li 610.365	112.338	ug/L	0.577572	0.5	8368.87
Mg 279.078	26780.2	ug/L	77.2721	0.3	119304
Mn 257.610	1109.17	ug/L	4.44756	0.4	325924
Mo 202.032	12.5196	ug/L	2.13088	17.0	120.493
Na 330.237	352.232	ug/L	18.9141	5.4	57.1403
Ni 216.555	145.035	ug/L	1.18744	0.8	1234.13
Pb 220.353	496.414	ug/L	2.39786	0.5	2506.58
Sb 217.582	0.879276	ug/L	0.337771	38.4	1.99017
Se 196.026	1.36088uv	ug/L	4.06991	299.1	2.35579
Si 251.611	3880.76	ug/L	57.4854	1.5	20612.2
Si 288.158	3940.49	ug/L	54.5164	1.4	47027.8
Sn 283.998	59.5423	ug/L	2.02846	3.4	283.847
Sr 421.552	60.1627	ug/L	0.217262	0.4	145622
Ti 336.122	4401.73	ug/L	19.1568	0.4	1082486
Tl 190.794	-0.788304uv	ug/L	1.61014	204.3	1.02652
V 292.401	278.458	ug/L	1.22030	0.4	10874.0
Zn 202.548	310.898	ug/L	2.44604	0.8	7257.77
Zr 339.198	105.399	ug/L	8.90949	8.5	6134.83

360-24582-A-7-A (Samp) **9/18/2009, 12:50:01 PM** **Rack 1, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.44680	ug/L	0.387647	26.8	13.2976
Al 237.312	145797	ug/L	300.863	0.2	578929
As 188.980	99.9713	ug/L	0.148438	0.1	109.216
B 249.678	22.8590	ug/L	0.114054	0.5	686.603
Ba 493.408	324.298	ug/L	0.767831	0.2	813298
Be 313.042	3.89213	ug/L	0.012931	0.3	13303.7
Ca 373.690	15059.7	ug/L	38.0146	0.3	75223.7
Cd 214.439	5.95831	ug/L	0.029343	0.5	233.231
Co 228.615	38.6705	ug/L	0.034011	0.1	358.295
Cr 267.716	184.175	ug/L	0.396507	0.2	8824.62
Cu 327.395	244.889	ug/L	0.597377	0.2	16525.2
Fe 273.955	212681	ug/L	678.568	0.3	2632215
K 404.721	4505.71	ug/L	179.323	4.0	72.6292
Li 610.365	48.1998	ug/L	0.080542	0.2	3595.66
Mg 279.078	9955.00	ug/L	23.7419	0.2	44885.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	725.198	ug/L	2.51920	0.3	213111
Mo 202.032	12.8896	ug/L	0.771908	6.0	123.857
Na 330.237	478.810	ug/L	14.0995	2.9	74.0754
Ni 216.555	116.241	ug/L	0.145773	0.1	989.858
Pb 220.353	584.996	ug/L	0.987162	0.2	2952.48
Sb 217.582	1.88251	ug/L	2.53408	134.6	3.93375
Se 196.026	11.9965	ug/L	3.16967	26.4	8.14984
Si 251.611	7157.11	ug/L	134.163	1.9	37977.0
Si 288.158	7191.72	ug/L	128.889	1.8	85517.7
Sn 283.998	60.5975	ug/L	1.12215	1.9	288.648
Sr 421.552	85.8823	ug/L	0.239578	0.3	207865
Ti 336.122	5712.33	ug/L	10.8207	0.2	1404776
Tl 190.794	-0.409534uv	ug/L	0.566894	138.4	1.32801
V 292.401	528.242	ug/L	1.18431	0.2	20617.2
Zn 202.548	391.488	ug/L	2.68372	0.7	9129.10
Zr 339.198	76.1734	ug/L	12.5762	16.5	4434.52

360-24582-A-9-B (Samp) **9/18/2009, 12:52:54 PM** **Rack 1, Tube 23**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.886431	ug/L	0.433473	48.9	8.51416
Al 237.312	71810.7	ug/L	42.8628	0.1	289213
As 188.980	55.6574	ug/L	0.071144	0.1	61.4932
B 249.678	22.4680	ug/L	0.184553	0.8	675.133
Ba 493.408	236.248	ug/L	0.299379	0.1	592514
Be 313.042	3.31372	ug/L	0.008171	0.2	11346.6
Ca 373.690	22711.7	ug/L	51.9806	0.2	112812
Cd 214.439	8.88107	ug/L	0.071956	0.8	346.712
Co 228.615	38.3673	ug/L	0.459723	1.2	355.586
Cr 267.716	177.286	ug/L	0.497271	0.3	8495.44
Cu 327.395	341.442	ug/L	1.26469	0.4	23015.1
Fe 273.955	121868	ug/L	435.268	0.4	1529532
K 404.721	11630.7	ug/L	65.3190	0.6	166.106
Li 610.365	57.3085	ug/L	0.039306	0.1	4273.54
Mg 279.078	17826.7	ug/L	46.8444	0.3	79923.8
Mn 257.610	1541.91	ug/L	2.76498	0.2	453063
Mo 202.032	4.83831	ug/L	0.443153	9.2	50.6603
Na 330.237	-90.1048uv	ug/L	28.1254	31.2	-1.97754
Ni 216.555	106.624	ug/L	0.383770	0.4	908.275
Pb 220.353	387.924	ug/L	0.912951	0.2	1960.47
Sb 217.582	1.93608	ug/L	1.67322	86.4	4.03754
Se 196.026	-0.995999uv	ug/L	2.55865	256.9	1.07182
Si 251.611	4696.10	ug/L	95.7191	2.0	24933.5
Si 288.158	4761.66	ug/L	93.6378	2.0	56749.2
Sn 283.998	65.7682	ug/L	1.16473	1.8	312.172
Sr 421.552	79.8014	ug/L	0.081639	0.1	193149
Ti 336.122	2757.53	ug/L	0.571244	0.0	678154
Tl 190.794	-0.462107uv	ug/L	0.859782	186.1	1.28616
V 292.401	160.544	ug/L	0.394673	0.2	6274.53
Zn 202.548	2869.15	ug/L	17.9682	0.6	66661.3
Zr 339.198	26.8482	ug/L	0.288209	1.1	1564.89

360-24582-A-10-A (Samp) **9/18/2009, 12:55:46 PM** **Rack 1, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.743371	ug/L	0.254353	34.2	7.29297
Al 237.312	103408	ug/L	476.828	0.5	412941
As 188.980	85.3627	ug/L	1.11122	1.3	93.4839
B 249.678	11.9362	ug/L	0.148704	1.2	366.228
Ba 493.408	120.890	ug/L	0.441640	0.4	303256
Be 313.042	2.77049	ug/L	0.011546	0.4	9508.54
Ca 373.690	8465.18	ug/L	49.4878	0.6	42493.5
Cd 214.439	1.87774	ug/L	0.092643	4.9	74.7953
Co 228.615	39.8661	ug/L	0.032563	0.1	368.975
Cr 267.716	137.333	ug/L	0.513563	0.4	6586.21
Cu 327.395	84.7591	ug/L	0.170281	0.2	5761.85
Fe 273.955	111168	ug/L	348.366	0.3	1399610
K 404.721	11458.6	ug/L	21.1241	0.2	163.790
Li 610.365	78.7820	ug/L	0.286512	0.4	5871.60
Mg 279.078	18028.9	ug/L	79.3009	0.4	80818.9
Mn 257.610	796.739	ug/L	3.49229	0.4	234130
Mo 202.032	5.04211	ug/L	0.311949	6.2	52.5132
Na 330.237	149.124	ug/L	31.3613	21.0	29.9834
Ni 216.555	112.732	ug/L	0.155780	0.1	960.095
Pb 220.353	173.622	ug/L	2.23264	1.3	881.727
Sb 217.582	1.65903	ug/L	0.314914	19.0	3.50079
Se 196.026	1.69486uv	ug/L	3.08411	182.0	2.53773
Si 251.611	5839.95	ug/L	111.971	1.9	30996.0
Si 288.158	5864.41	ug/L	84.2241	1.4	69804.2
Sn 283.998	44.6749	ug/L	0.437445	1.0	216.209
Sr 421.552	25.8203	ug/L	0.114974	0.4	62511.1
Ti 336.122	3713.24	ug/L	19.1269	0.5	913177
Tl 190.794	-0.626854uv	ug/L	0.432981	69.1	1.15503
V 292.401	179.006	ug/L	0.587558	0.3	6994.70
Zn 202.548	297.959	ug/L	2.52561	0.8	6957.31
Zr 339.198	20.3916	ug/L	0.235580	1.2	1189.26

360-24582-A-11-A (Samp) **9/18/2009, 12:58:39 PM** **Rack 1, Tube 25**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.13470	ug/L	0.294557	26.0	10.6334
Al 237.312	179960	ug/L	290.168	0.2	712706
As 188.980	87.0396	ug/L	2.23833	2.6	95.2898
B 249.678	17.2067	ug/L	0.119593	0.7	520.816
Ba 493.408	222.426	ug/L	0.053829	0.0	557857
Be 313.042	3.41037	ug/L	0.009138	0.3	11673.6
Ca 373.690	7600.48	ug/L	41.0295	0.5	38178.6
Cd 214.439	2.95984	ug/L	0.019214	0.6	116.810
Co 228.615	32.5494	ug/L	0.098552	0.3	303.614
Cr 267.716	171.714	ug/L	0.501284	0.3	8229.16
Cu 327.395	151.427	ug/L	1.35798	0.9	10243.0
Fe 273.955	170476	ug/L	280.534	0.2	2119749
K 404.721	5682.90	ug/L	162.890	2.9	87.7308
Li 610.365	76.4289	ug/L	0.016627	0.0	5696.48
Mg 279.078	7163.77	ug/L	14.1449	0.2	32367.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	292.019	ug/L	0.709394	0.2	85841.6
Mo 202.032	9.77980	ug/L	0.246620	2.5	95.5849
Na 330.237	153.847	ug/L	4.95856	3.2	30.6146
Ni 216.555	87.2560	ug/L	0.110976	0.1	743.972
Pb 220.353	413.745	ug/L	1.79999	0.4	2090.45
Sb 217.582	1.37148	ug/L	1.18614	86.5	2.94373
Se 196.026	8.49655	ug/L	4.36588	51.4	6.24315
Si 251.611	7190.92	ug/L	127.895	1.8	38156.2
Si 288.158	7238.55	ug/L	97.8248	1.4	86072.0
Sn 283.998	58.6269	ug/L	1.24714	2.1	279.683
Sr 421.552	38.1585	ug/L	0.067510	0.2	92370.4
Ti 336.122	3879.92	ug/L	9.98737	0.3	954165
Tl 190.794	-0.890701uv	ug/L	0.209306	23.5	0.945015
V 292.401	385.528	ug/L	0.730240	0.2	15050.4
Zn 202.548	167.679	ug/L	0.664207	0.4	3932.18
Zr 339.198	39.7973	ug/L	5.32780	13.4	2318.24

360-24582-A-12-A (Samp) **9/18/2009, 1:01:33 PM** **Rack 1, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	6.61868	ug/L	0.211782	3.2	57.4459
Al 237.312	122842	ug/L	87.6481	0.1	489043
As 188.980	73.9377	ug/L	0.334040	0.5	81.1798
B 249.678	9.75888	ug/L	0.248244	2.5	302.367
Ba 493.408	137.395	ug/L	0.087709	0.1	344642
Be 313.042	3.15271	ug/L	0.003387	0.1	10801.8
Ca 373.690	5779.90	ug/L	0.595586	0.0	29076.4
Cd 214.439	3.88334	ug/L	0.005483	0.1	152.666
Co 228.615	26.3587	ug/L	0.252704	1.0	248.311
Cr 267.716	466.972	ug/L	0.647354	0.1	22338.4
Cu 327.395	81.8248	ug/L	0.381121	0.5	5564.62
Fe 273.955	106107	ug/L	142.703	0.1	1338157
K 404.721	6548.88	ug/L	0.971581	0.0	98.9261
Li 610.365	74.2084	ug/L	0.292322	0.4	5531.23
Mg 279.078	12323.5	ug/L	20.3107	0.2	55468.9
Mn 257.610	549.493	ug/L	1.03969	0.2	161488
Mo 202.032	4.84015	ug/L	0.002229	0.0	50.6771
Na 330.237	177.327	ug/L	11.9129	6.7	33.7529
Ni 216.555	91.8401	ug/L	0.344161	0.4	782.861
Pb 220.353	222.171	ug/L	0.205596	0.1	1126.11
Sb 217.582	1.97655	ug/L	1.28597	65.1	4.11594
Se 196.026	3.10656	ug/L	1.54833	49.8	3.30680
Si 251.611	5621.95	ug/L	150.547	2.7	29840.6
Si 288.158	5706.81	ug/L	146.999	2.6	67938.5
Sn 283.998	171.499	ug/L	1.82138	1.1	793.184
Sr 421.552	24.3911	ug/L	0.050325	0.2	59052.4
Ti 336.122	2935.80	ug/L	2.04208	0.1	721993
Tl 190.794	1.04121	ug/L	0.392194	37.7	2.48276
V 292.401	173.533	ug/L	0.431087	0.2	6781.18
Zn 202.548	564.383	ug/L	1.01534	0.2	13143.8
Zr 339.198	16.8098	ug/L	1.19109	7.1	980.878

360-24582-A-13-A (Samp) **9/18/2009, 1:04:27 PM** **Rack 1, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	18.2339	ug/L	0.724188	4.0	156.596
Al 237.312	108093	ug/L	103.475	0.1	431288
As 188.980	112.872	ug/L	1.16590	1.0	123.110
B 249.678	13.7032	ug/L	0.164766	1.2	418.058
Ba 493.408	358.665	ug/L	0.676831	0.2	899476
Be 313.042	3.91684	ug/L	0.005667	0.1	13387.3
Ca 373.690	32789.7	ug/L	38.0291	0.1	161676
Cd 214.439	6.88725	ug/L	0.033736	0.5	269.298
Co 228.615	61.7144	ug/L	0.018448	0.0	564.148
Cr 267.716	1311.13	ug/L	1.58080	0.1	62677.6
Cu 327.395	191.445	ug/L	0.625278	0.3	12932.8
Fe 273.955	186443	ug/L	379.816	0.2	2313623
K 404.721	11812.6	ug/L	48.6426	0.4	168.558
Li 610.365	140.563	ug/L	0.129971	0.1	10469.3
Mg 279.078	35144.6	ug/L	43.6307	0.1	155637
Mn 257.610	1519.70	ug/L	2.15671	0.1	446537
Mo 202.032	5.54880	ug/L	0.070644	1.3	57.1196
Na 330.237	393.355	ug/L	33.1663	8.4	62.6414
Ni 216.555	166.497	ug/L	0.185311	0.1	1416.20
Pb 220.353	487.219	ug/L	0.213742	0.0	2460.30
Sb 217.582	3.15868	ug/L	0.353165	11.2	6.40610
Se 196.026	2.06094	ug/L	0.045275	2.2	2.73717
Si 251.611	3115.36	ug/L	53.8537	1.7	16555.5
Si 288.158	3155.55	ug/L	51.4995	1.6	37735.2
Sn 283.998	497.888	ug/L	0.492200	0.1	2278.06
Sr 421.552	110.243	ug/L	0.089645	0.1	266819
Ti 336.122	6680.19	ug/L	4.75294	0.1	1642785
Tl 190.794	1.43204	ug/L	1.74131	121.6	2.79385
V 292.401	282.302	ug/L	0.344469	0.1	11023.9
Zn 202.548	951.093	ug/L	2.67189	0.3	22123.3
Zr 339.198	22.1923	ug/L	0.723097	3.3	1294.02

360-24582-A-14-B (Samp) **9/18/2009, 1:07:20 PM** **Rack 1, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.451459	ug/L	0.073998	16.4	4.80115
Al 237.312	121564	ug/L	222.993	0.2	484037
As 188.980	82.7314	ug/L	1.05163	1.3	90.6502
B 249.678	16.9074	ug/L	0.060271	0.4	512.039
Ba 493.408	428.120	ug/L	1.82549	0.4	1073632
Be 313.042	3.46572	ug/L	0.010737	0.3	11860.9
Ca 373.690	53660.1	ug/L	160.218	0.3	260552
Cd 214.439	6.01423	ug/L	0.010595	0.2	235.402
Co 228.615	97.2038	ug/L	0.105824	0.1	881.181
Cr 267.716	301.712	ug/L	0.926826	0.3	14441.3
Cu 327.395	281.125	ug/L	0.303382	0.1	18960.8
Fe 273.955	233750	ug/L	611.526	0.3	2888041
K 404.721	17511.8	ug/L	202.209	1.2	247.008
Li 610.365	130.567	ug/L	0.289744	0.2	9725.47
Mg 279.078	49492.4	ug/L	153.321	0.3	216933

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2683.69	ug/L	8.79188	0.3	788521
Mo 202.032	7.05909	ug/L	0.036269	0.5	70.8501
Na 330.237	691.516	ug/L	25.1698	3.6	102.553
Ni 216.555	215.866	ug/L	0.429447	0.2	1835.02
Pb 220.353	199.684	ug/L	0.909185	0.5	1012.91
Sb 217.582	3.10769	ug/L	0.907539	29.2	6.30731
Se 196.026	2.29865	ug/L	0.233388	10.2	2.86667
Si 251.611	3599.47	ug/L	74.3936	2.1	19121.3
Si 288.158	3664.84	ug/L	69.2243	1.9	43764.5
Sn 283.998	101.322	ug/L	0.331839	0.3	473.920
Sr 421.552	127.439	ug/L	0.298818	0.2	308436
Ti 336.122	7781.38	ug/L	26.9395	0.3	1913581
Tl 190.794	-0.972662uv	ug/L	0.314509	32.3	0.879776
V 292.401	637.286	ug/L	2.04843	0.3	24870.7
Zn 202.548	1816.33	ug/L	5.84140	0.3	42214.4
Zr 339.198	25.6523	ug/L	1.69029	6.6	1495.32

360-24582-A-16-A (Samp) **9/18/2009, 1:10:13 PM** **Rack 1, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.978625	ug/L	0.152587	15.6	9.30115
Al 237.312	76953.0	ug/L	91.6421	0.1	309350
As 188.980	17.7638	ug/L	0.515074	2.9	20.6841
B 249.678	8.03039	ug/L	0.069967	0.9	251.669
Ba 493.408	522.300	ug/L	1.38935	0.3	1309788
Be 313.042	5.77460	ug/L	0.013004	0.2	19673.2
Ca 373.690	6998.31	ug/L	15.8505	0.2	35170.6
Cd 214.439	3.22574	ug/L	0.079331	2.5	127.134
Co 228.615	22.3891	ug/L	0.109789	0.5	212.850
Cr 267.716	142.875	ug/L	0.345170	0.2	6851.04
Cu 327.395	161.433	ug/L	0.305399	0.2	10915.6
Fe 273.955	44494.6	ug/L	18.0257	0.0	590040
K 404.721	408.820	ug/L	296.222	72.5	21.1299
Li 610.365	0.727985	ug/L	0.000779	0.1	62.8027
Mg 279.078	695.880	ug/L	1.20295	0.2	3171.16
Mn 257.610	84.8740	ug/L	0.231367	0.3	24981.7
Mo 202.032	4.65062	ug/L	0.262206	5.6	48.9541
Na 330.237	81.7929	ug/L	28.7598	35.2	20.9856
Ni 216.555	74.2636	ug/L	0.170745	0.2	633.753
Pb 220.353	158.688	ug/L	1.04575	0.7	806.554
Sb 217.582	0.859380	ug/L	0.168262	19.6	1.95163
Se 196.026	12.2760	ug/L	0.008160	0.1	8.30212
Si 251.611	3355.19	ug/L	0.331974	0.0	17826.6
Si 288.158	3413.76	ug/L	0.270689	0.0	40792.1
Sn 283.998	51.0628	ug/L	0.894128	1.8	245.270
Sr 421.552	170.161	ug/L	0.514879	0.3	411826
Ti 336.122	1725.36	ug/L	3.75323	0.2	424331
Tl 190.794	-0.793154uv	ug/L	0.007320	0.9	1.02266
V 292.401	116.056	ug/L	0.159929	0.1	4539.21
Zn 202.548	529.101	ug/L	4.31506	0.8	12324.5
Zr 339.198	30.5134	ug/L	5.55748	18.2	1778.12

360-24582-A-17-B (Samp) **9/18/2009, 1:13:07 PM** **Rack 1, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	7.94057	ug/L	0.472565	6.0	68.7299
Al 237.312	137057	ug/L	166.071	0.1	544705
As 188.980	114.727	ug/L	1.75822	1.5	125.107
B 249.678	15.6148	ug/L	0.532174	3.4	474.125
Ba 493.408	658.455	ug/L	1.22747	0.2	1651194
Be 313.042	4.46744	ug/L	0.006758	0.2	15250.3
Ca 373.690	25982.1	ug/L	39.1878	0.2	128749
Cd 214.439	3.91229	ug/L	0.165425	4.2	153.790
Co 228.615	91.7613	ug/L	0.582163	0.6	832.562
Cr 267.716	849.156	ug/L	1.75050	0.2	40601.6
Cu 327.395	166.883	ug/L	0.194968	0.1	11281.9
Fe 273.955	217850	ug/L	605.990	0.3	2694985
K 404.721	49386.4	ug/L	363.224	0.7	744.372
Li 610.365	334.554	ug/L	0.013573	0.0	24906.2
Mg 279.078	73328.1	ug/L	126.666	0.2	315899
Mn 257.610	2553.52	ug/L	7.30481	0.3	750277
Mo 202.032	5.43546	ug/L	0.171844	3.2	56.0892
Na 330.237	468.979	ug/L	14.8754	3.2	72.7599
Ni 216.555	336.718	ug/L	1.20237	0.4	2860.25
Pb 220.353	158.413	ug/L	0.300242	0.2	805.166
Sb 217.582	2.61579	ug/L	0.706129	27.0	5.35434
Se 196.026	-0.827118uv	ug/L	1.74494	211.0	1.16382
Si 251.611	2142.39	ug/L	23.5833	1.1	11398.7
Si 288.158	2177.12	ug/L	12.4529	0.6	26152.1
Sn 283.998	309.073	ug/L	1.97991	0.6	1419.07
Sr 421.552	82.7455	ug/L	0.018358	0.0	200274
Ti 336.122	8524.53	ug/L	27.1836	0.3	2096332
Tl 190.794	2.28864	ug/L	0.577995	25.3	3.47568
V 292.401	472.003	ug/L	0.651195	0.1	18423.5
Zn 202.548	758.597	ug/L	1.87566	0.2	17653.5
Zr 339.198	21.5772	ug/L	0.622584	2.9	1258.23

CCV (CCV) **9/18/2009, 1:16:00 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1000.97	ug/L	0.642153	0.1	8545.43	100.09670
Al 237.312	5005.26	ug/L	5.85469	0.1	22490.4	100.10530
As 188.980	998.470	ug/L	1.19182	0.1	1076.84	99.84703
B 249.678	973.183	ug/L	12.4391	1.3	28560.2	97.31828
Ba 493.408	1005.12	ug/L	2.37893	0.2	2520462	100.51230
Be 313.042	994.677	ug/L	1.92983	0.2	3365693	99.46773
Ca 373.690	19952.0	ug/L	3.91257	0.0	99304.1	99.75992
Cd 214.439	993.289	ug/L	1.59893	0.2	38568.1	99.32894
Co 228.615	996.185	ug/L	0.521439	0.1	8911.91	99.61854
Cr 267.716	994.225	ug/L	0.769773	0.1	47533.9	99.42253
Cu 327.395	996.596	ug/L	2.99044	0.3	67051.9	99.65959
Fe 273.955	4990.50	ug/L	6.74134	0.1	78497.9	99.81010
K 404.721	20418.1	ug/L	15.3975	0.1	288.237	102.09030
Li 610.365	4974.10	ug/L	4.47086	0.1	370182	99.48190
Mg 279.078	19865.7	ug/L	15.7124	0.1	88936.3	99.32836

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	995.362	ug/L	1.00136	0.1	292486	99.53625
Mo 202.032	997.739	ug/L	1.78607	0.2	9077.41	99.77392
Na 330.237	20121.8	ug/L	9.65919	0.0	2803.90	100.60880
Ni 216.555	993.117	ug/L	3.86440	0.4	8428.71	99.31174
Pb 220.353	992.306	ug/L	1.66669	0.2	5002.78	99.23058
Sb 217.582	997.649	ug/L	0.482942	0.0	1933.04	99.76492
Se 196.026	988.709	ug/L	0.650181	0.1	540.242	98.87089
Si 251.611	1025.08	ug/L	8.39586	0.8	5476.88	102.50790
Si 288.158	1019.30	ug/L	7.63122	0.7	12445.2	101.93050
Sn 283.998	992.597	ug/L	0.043504	0.0	4528.70	99.25967
Sr 421.552	999.663	ug/L	0.363437	0.0	2419275	99.96633
Ti 336.122	999.462	ug/L	0.595931	0.1	245825	99.94621
Tl 190.794	1002.07	ug/L	0.533265	0.1	799.271	100.20670
V 292.401	997.307	ug/L	0.405041	0.0	38913.9	99.73075
Zn 202.548	989.472	ug/L	1.75866	0.2	23014.5	98.94723
Zr 339.198	882.586	ug/L	2.68872	0.3	51349.9	88.25864Q

CCB (CCB) **9/18/2009, 1:18:53 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	0.315085uv	ug/L	0.530456	168.4	3.63702	0.31508
Al 237.312	1.62787	ug/L	0.166709	10.2	10.4146	1.62787
As 188.980	1.51219	ug/L	0.955289	63.2	3.18207	1.51219
B 249.678	22.1137	ug/L	3.38854	15.3	664.743	22.11371
Ba 493.408	0.061399	ug/L	0.009470	15.4	279.002	0.06140
Be 313.042	0.063750	ug/L	0.005026	7.9	350.106	0.06375
Ca 373.690	1.03949	ug/L	0.322960	31.1	26.6708	1.03949
Cd 214.439	0.042738uv	ug/L	0.070974	166.1	3.54799	0.04274
Co 228.615	0.252973	ug/L	0.272725	107.8	15.1051	0.25297
Cr 267.716	0.053060uv	ug/L	0.089488	168.7	26.1113	0.05306
Cu 327.395	0.158712	ug/L	0.064640	40.7	75.3474	0.15871
Fe 273.955	4.57664	ug/L	1.30154	28.4	95.5450	4.57664
K 404.721	-124.029uv	ug/L	97.3762	78.5	14.5494	-124.02870
Li 610.365	-0.095451uv	ug/L	0.024403	25.6	1.52246	-0.09545
Mg 279.078	0.541161	ug/L	0.116618	21.5	16.7371	0.54116
Mn 257.610	0.043613	ug/L	0.010038	23.0	58.2494	0.04361
Mo 202.032	10.5627	ug/L	2.34549	22.2	102.703	10.56275
Na 330.237	8.94517uv	ug/L	25.0820	280.4	11.2532	8.94517
Ni 216.555	-0.094675uv	ug/L	0.061985	65.5	2.94607	-0.09468
Pb 220.353	0.090981	ug/L	0.018682	20.5	8.21414	0.09098
Sb 217.582	2.51287	ug/L	1.72667	68.7	5.15495	2.51287
Se 196.026	5.25276	ug/L	2.94604	56.1	4.47601	5.25276
Si 251.611	9.36463	ug/L	1.00889	10.8	93.5419	9.36463
Si 288.158	9.21180	ug/L	1.71673	18.6	487.203	9.21180
Sn 283.998	-0.008090uv	ug/L	1.39787	17279.2	12.9280	-0.00809
Sr 421.552	0.063279	ug/L	0.001805	2.9	177.427	0.06328
Ti 336.122	0.763141	ug/L	0.238416	31.2	232.551	0.76314
Tl 190.794	1.56436	ug/L	0.629600	40.2	2.89918	1.56436
V 292.401	0.445675	ug/L	0.029949	6.7	29.6446	0.44567
Zn 202.548	0.024634	ug/L	0.026015	105.6	39.1754	0.02463
Zr 339.198	0.495756	ug/L	0.092491	18.7	31.7606	0.49576

360-24582-A-19-A (Samp) **9/18/2009, 1:21:47 PM** **Rack 1, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.042214uv	ug/L	0.234695	556.0	1.30774
Al 237.312	99553.3	ug/L	302.526	0.3	397848
As 188.980	122.554	ug/L	0.707603	0.6	133.537
B 249.678	16.4278	ug/L	0.287672	1.8	497.970
Ba 493.408	265.787	ug/L	0.619323	0.2	666584
Be 313.042	3.48308	ug/L	0.002334	0.1	11919.7
Ca 373.690	30644.7	ug/L	18.4870	0.1	151337
Cd 214.439	2.92967	ug/L	0.008876	0.3	115.638
Co 228.615	92.2516	ug/L	0.375149	0.4	836.942
Cr 267.716	220.617	ug/L	0.214368	0.1	10566.1
Cu 327.395	337.821	ug/L	3.64844	1.1	22771.7
Fe 273.955	191096	ug/L	235.676	0.1	2370122
K 404.721	14552.5	ug/L	317.319	2.2	205.878
Li 610.365	133.002	ug/L	0.246413	0.2	9906.66
Mg 279.078	42689.7	ug/L	19.2162	0.0	188032
Mn 257.610	2040.51	ug/L	1.52884	0.1	599554
Mo 202.032	9.06345	ug/L	1.53241	16.9	89.0723
Na 330.237	1167.16	ug/L	1.78184	0.2	166.319
Ni 216.555	176.882	ug/L	0.035055	0.0	1504.30
Pb 220.353	127.327	ug/L	0.449079	0.4	648.691
Sb 217.582	3.18740	ug/L	0.375464	11.8	6.46173
Se 196.026	-2.05876uv	ug/L	0.529480	25.7	0.492844
Si 251.611	2598.85	ug/L	45.5773	1.8	13818.0
Si 288.158	2633.40	ug/L	50.5661	1.9	31553.7
Sn 283.998	70.9892	ug/L	0.008238	0.0	335.924
Sr 421.552	98.8863	ug/L	0.309602	0.3	239336
Ti 336.122	4511.13	ug/L	1.51814	0.0	1109387
Tl 190.794	-1.13562uv	ug/L	0.026934	2.4	0.750069
V 292.401	289.272	ug/L	0.093783	0.0	11295.8
Zn 202.548	328.402	ug/L	1.25505	0.4	7664.22
Zr 339.198	69.1526	ug/L	8.21441	11.9	4026.06

360-24582-A-20-A (Samp) **9/18/2009, 1:24:40 PM** **Rack 1, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	9.59247	ug/L	0.513286	5.4	82.8309
Al 237.312	28991.1	ug/L	39.3535	0.1	121541
As 188.980	14.3348	ug/L	0.179086	1.2	16.9912
B 249.678	14.1017	ug/L	0.444516	3.2	429.744
Ba 493.408	403.224	ug/L	0.579725	0.1	1011205
Be 313.042	1.35018	ug/L	0.000269	0.0	4702.82
Ca 373.690	91670.8	ug/L	134.621	0.1	432607
Cd 214.439	7.56397	ug/L	0.027970	0.4	295.573
Co 228.615	42.4698	ug/L	0.034327	0.1	392.234
Cr 267.716	602.417	ug/L	2.27022	0.4	28810.9
Cu 327.395	182.998	ug/L	0.440064	0.2	12365.1
Fe 273.955	48341.2	ug/L	161.466	0.3	636747
K 404.721	2754.95	ug/L	112.077	4.1	50.4194
Li 610.365	9.74592	ug/L	0.183035	1.9	733.919
Mg 279.078	7969.06	ug/L	10.9564	0.1	35983.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	667.500	ug/L	0.986557	0.1	196159
Mo 202.032	5.14527	ug/L	0.890069	17.3	53.4510
Na 330.237	630.862	ug/L	18.1844	2.9	94.4301
Ni 216.555	70.5388	ug/L	0.687205	1.0	602.154
Pb 220.353	572.710	ug/L	0.058523	0.0	2890.64
Sb 217.582	1.15394	ug/L	0.843737	73.1	2.52228
Se 196.026	4.68237	ug/L	1.94335	41.5	4.16527
Si 251.611	3270.80	ug/L	6.08619	0.2	17379.3
Si 288.158	3321.79	ug/L	8.18248	0.2	39703.3
Sn 283.998	244.817	ug/L	0.230671	0.1	1126.74
Sr 421.552	247.772	ug/L	0.127285	0.1	599649
Ti 336.122	1178.35	ug/L	6.36085	0.5	289816
Tl 190.794	-0.805404uv	ug/L	0.782707	97.2	1.01291
V 292.401	102.296	ug/L	0.091102	0.1	4002.49
Zn 202.548	419.484	ug/L	0.955936	0.2	9779.15
Zr 339.198	81.8311	ug/L	10.5892	12.9	4763.67

360-24582-A-21-B (Samp) **9/18/2009, 1:27:33 PM** **Rack 1, Tube 33**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	14.1787	ug/L	0.352033	2.5	121.980
Al 237.312	79182.2	ug/L	23.6052	0.0	318079
As 188.980	61.2452	ug/L	0.282048	0.5	67.5108
B 249.678	9.71868	ug/L	0.201682	2.1	301.188
Ba 493.408	140.951	ug/L	0.076423	0.1	353559
Be 313.042	2.04451	ug/L	0.019575	1.0	7052.14
Ca 373.690	8670.13	ug/L	8.46595	0.1	43515.4
Cd 214.439	8.28967	ug/L	0.033788	0.4	323.750
Co 228.615	30.8383	ug/L	0.213986	0.7	288.328
Cr 267.716	834.546	ug/L	1.48025	0.2	39903.4
Cu 327.395	468.889	ug/L	0.773786	0.2	31581.6
Fe 273.955	109302	ug/L	50.6797	0.0	1376948
K 404.721	6389.41	ug/L	960.449	15.0	96.8816
Li 610.365	60.1993	ug/L	0.411202	0.7	4488.67
Mg 279.078	14644.4	ug/L	30.8869	0.2	65805.9
Mn 257.610	716.251	ug/L	1.06088	0.1	210482
Mo 202.032	7.20247	ug/L	0.447407	6.2	72.1536
Na 330.237	10.7722uv	ug/L	16.6675	154.7	11.4972
Ni 216.555	93.4116	ug/L	0.172628	0.2	796.192
Pb 220.353	192.524	ug/L	2.01080	1.0	976.873
Sb 217.582	1.06692	ug/L	1.08482	101.7	2.35370
Se 196.026	1.73988	ug/L	1.37876	79.2	2.56226
Si 251.611	3429.70	ug/L	68.9341	2.0	18221.5
Si 288.158	3478.86	ug/L	64.2585	1.8	41562.8
Sn 283.998	329.591	ug/L	0.957922	0.3	1512.41
Sr 421.552	25.0284	ug/L	0.010684	0.0	60594.6
Ti 336.122	2455.36	ug/L	4.37281	0.2	603847
Tl 190.794	-0.579035uv	ug/L	0.655464	113.2	1.19309
V 292.401	152.092	ug/L	0.322479	0.2	5944.85
Zn 202.548	3729.03	ug/L	44.7721	1.2	86627.9
Zr 339.198	11.7605	ug/L	0.631584	5.4	687.118

360-24444-A-4-D (Samp) **9/18/2009, 1:30:26 PM** **Rack 1, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	43.3717	ug/L	1.96877	4.5	371.178
Al 237.312	107703	ug/L	371.502	0.3	429761
As 188.980	40.4765	ug/L	2.99303	7.4	45.1442
B 249.678	8.90932	ug/L	0.378978	4.3	277.449
Ba 493.408	463.563	ug/L	2.16882	0.5	1162506
Be 313.042	3.07178	ug/L	0.013242	0.4	10528.0
Ca 373.690	61258.1	ug/L	256.315	0.4	295773
Cd 214.439	3.17775	ug/L	0.006742	0.2	125.270
Co 228.615	138.095	ug/L	0.718889	0.5	1246.46
Cr 267.716	2716.50	ug/L	10.5823	0.4	129835
Cu 327.395	355.548	ug/L	1.82066	0.5	23963.2
Fe 273.955	229258	ug/L	897.584	0.4	2833498
K 404.721	31642.2	ug/L	119.403	0.4	455.225
Li 610.365	167.465	ug/L	0.332934	0.2	12471.5
Mg 279.078	74496.5	ug/L	253.260	0.3	320658
Mn 257.610	2895.51	ug/L	7.30050	0.3	850756
Mo 202.032	19.7437	ug/L	0.095372	0.5	186.169
Na 330.237	1661.30	ug/L	16.1674	1.0	232.690
Ni 216.555	114.583	ug/L	0.075630	0.1	975.794
Pb 220.353	25.2263	ug/L	0.206698	0.8	134.739
Sb 217.582	1.18158	ug/L	0.281208	23.8	2.57584
Se 196.026	0.742488uv	ug/L	2.96547	399.4	2.01891
Si 251.611	2755.97	ug/L	8.42900	0.3	14650.7
Si 288.158	2783.49	ug/L	4.69943	0.2	33330.6
Sn 283.998	1070.96	ug/L	4.12905	0.4	4885.21
Sr 421.552	152.560	ug/L	0.499029	0.3	369229
Ti 336.122	8051.20	ug/L	20.2768	0.3	1979933
Tl 190.794	-0.132709uv	ug/L	2.18210	1644.3	1.54835
V 292.401	312.078	ug/L	1.25597	0.4	12185.4
Zn 202.548	273.648	ug/L	3.72834	1.4	6392.80
Zr 339.198	21.9581	ug/L	1.75366	8.0	1280.39

360-24444-A-7-E (Samp) **9/18/2009, 1:33:19 PM** **Rack 1, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	57.5996	ug/L	0.812019	1.4	492.631
Al 237.312	123963	ug/L	1841.04	1.5	493433
As 188.980	61.7220	ug/L	1.79803	2.9	68.0244
B 249.678	6.59938	ug/L	0.151759	2.3	209.697
Ba 493.408	1079.61	ug/L	1.11953	0.1	2707228
Be 313.042	2.95355	ug/L	0.005145	0.2	10127.9
Ca 373.690	45482.1	ug/L	93.7718	0.2	222180
Cd 214.439	3.46342	ug/L	0.195185	5.6	136.362
Co 228.615	184.385	ug/L	0.278242	0.2	1659.98
Cr 267.716	3744.15	ug/L	7.95910	0.2	178943
Cu 327.395	386.530	ug/L	1.12725	0.3	26045.7
Fe 273.955	254109	ug/L	230.550	0.1	3135253
K 404.721	53307.2	ug/L	188.483	0.4	812.416
Li 610.365	116.190	ug/L	0.010002	0.0	8655.48
Mg 279.078	80205.0	ug/L	219.750	0.3	343787

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3177.58	ug/L	7.33520	0.2	933629
Mo 202.032	6.09383	ug/L	0.154475	2.5	62.0746
Na 330.237	2994.82	ug/L	14.2839	0.5	412.442
Ni 216.555	212.979	ug/L	0.683499	0.3	1810.52
Pb 220.353	24.3670	ug/L	0.433199	1.8	130.414
Sb 217.582	4.83184	ug/L	3.64125	75.4	9.64752
Se 196.026	-0.611951uv	ug/L	2.84787	465.4	1.28104
Si 251.611	3327.06	ug/L	56.0042	1.7	17677.5
Si 288.158	3376.64	ug/L	50.6163	1.5	40352.6
Sn 283.998	1490.62	ug/L	1.96319	0.1	6794.41
Sr 421.552	138.667	ug/L	0.088723	0.1	335608
Ti 336.122	9896.70	ug/L	4.78195	0.0	2433765
Tl 190.794	-0.022022uv	ug/L	0.546683	2482.5	1.63646
V 292.401	396.293	ug/L	1.21978	0.3	15470.3
Zn 202.548	346.230	ug/L	0.392979	0.1	8078.19
Zr 339.198	17.0113	ug/L	0.437314	2.6	992.599

360-24444-A-13-E (Samp) **9/18/2009, 1:36:12 PM** **Rack 1, Tube 36**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	142.079	ug/L	0.504014	0.4	1213.77
Al 237.312	127247	ug/L	219.711	0.2	506292
As 188.980	63.9706	ug/L	1.39764	2.2	70.4459
B 249.678	10.9695	ug/L	0.034879	0.3	337.877
Ba 493.408	182.994	ug/L	0.271283	0.1	458982
Be 313.042	4.59526	ug/L	0.023559	0.5	15682.8
Ca 373.690	23915.2	ug/L	118.054	0.5	118685
Cd 214.439	2.35362	ug/L	0.033190	1.4	93.2722
Co 228.615	62.7448	ug/L	0.146431	0.2	573.353
Cr 267.716	7808.95	ug/L	32.5870	0.4	373184
Cu 327.395	268.308	ug/L	1.32645	0.5	18099.3
Fe 273.955	186694	ug/L	1418.92	0.8	2316676
K 404.721	14205.3	ug/L	102.370	0.7	201.107
Li 610.365	178.917	ug/L	0.381714	0.2	13323.7
Mg 279.078	48215.5	ug/L	215.629	0.4	211531
Mn 257.610	1355.56	ug/L	5.55759	0.4	398314
Mo 202.032	9.32511	ug/L	0.124629	1.3	91.4512
Na 330.237	7317.21	ug/L	29.4036	0.4	1001.48
Ni 216.555	146.726	ug/L	0.805389	0.5	1248.48
Pb 220.353	29.6008	ug/L	0.413548	1.4	156.760
Sb 217.582	2.40168	ug/L	0.991325	41.3	4.93955
Se 196.026	0.163343uv	ug/L	4.21635	2581.3	1.70340
Si 251.611	3750.57	ug/L	42.7320	1.1	19922.1
Si 288.158	3800.02	ug/L	43.9185	1.2	45364.8
Sn 283.998	3243.42	ug/L	17.1164	0.5	14768.6
Sr 421.552	68.8056	ug/L	0.384881	0.6	166538
Ti 336.122	4307.18	ug/L	6.45062	0.1	1059233
Tl 190.794	1.38421uv	ug/L	3.89491	281.4	2.75578
V 292.401	306.038	ug/L	1.19995	0.4	11949.8
Zn 202.548	243.928	ug/L	0.206416	0.1	5702.69
Zr 339.198	17.3669	ug/L	0.985965	5.7	1013.29

360-24611-A-1-I (Samp) **9/18/2009, 1:39:04 PM** **Rack 1, Tube 37**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	6.05229	ug/L	0.228406	3.8	52.6111
Al 237.312	31765.6	ug/L	156.581	0.5	132405
As 188.980	10.5620	ug/L	0.588162	5.6	12.9282
B 249.678	53.9999	ug/L	0.614138	1.1	1599.99
Ba 493.408	1308.11	ug/L	3.81796	0.3	3280202
Be 313.042	0.727407	ug/L	0.003096	0.4	2595.63
Ca 373.690	-x	ug/L	28315.4	3.1	3983469
Cd 214.439	1.41368	ug/L	0.001634	0.1	56.7773
Co 228.615	12.6506	ug/L	0.014788	0.1	125.854
Cr 267.716	37.2534	ug/L	0.205687	0.6	1803.78
Cu 327.395	333.543	ug/L	1.68309	0.5	22484.1
Fe 273.955	26144.0	ug/L	138.639	0.5	367221
K 404.721	8111.17	ug/L	541.420	6.7	119.317
Li 610.365	56.2477	ug/L	0.479530	0.9	4194.59
Mg 279.078	26304.2	ug/L	88.6894	0.3	117223
Mn 257.610	924.670	ug/L	3.51719	0.4	271716
Mo 202.032	9.60774	ug/L	0.119779	1.2	94.0207
Na 330.237	2727.77	ug/L	54.5708	2.0	376.371
Ni 216.555	32.2555	ug/L	0.070766	0.2	277.383
Pb 220.353	109.249	ug/L	0.588454	0.5	557.688
Sb 217.582	42.8148	ug/L	0.130546	0.3	83.2324
Se 196.026	4.49129	ug/L	3.90409	86.9	4.06117
Si 251.611	3139.95	ug/L	22.3505	0.7	16685.8
Si 288.158	3178.22	ug/L	10.4965	0.3	38003.6
Sn 283.998	14.5306	ug/L	0.215573	1.5	79.0704
Sr 421.552	717.886	ug/L	2.11554	0.3	1737356
Ti 336.122	336.991	ug/L	0.522562	0.2	82915.2
Tl 190.794	-0.870716uv	ug/L	1.05541	121.2	0.960922
V 292.401	52.0345	ug/L	0.565191	1.1	2041.95
Zn 202.548	585.018	ug/L	0.685269	0.1	13622.9
Zr 339.198	77.3666	ug/L	4.58810	5.9	4503.94

CCV (CCV) **9/18/2009, 2:09:31 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	992.075	ug/L	3.99556	0.4	8469.53	99.20752
Al 237.312	4966.30	ug/L	13.7989	0.3	22317.8	99.32592
As 188.980	991.562	ug/L	2.32611	0.2	1069.41	99.15623
B 249.678	990.347	ug/L	13.6508	1.4	29063.7	99.03474
Ba 493.408	998.754	ug/L	1.53519	0.2	2504492	99.87543
Be 313.042	984.795	ug/L	1.71943	0.2	3332254	98.47945
Ca 373.690	19791.7	ug/L	4.19154	0.0	98518.1	98.95869
Cd 214.439	983.916	ug/L	1.45103	0.1	38204.2	98.39162
Co 228.615	987.282	ug/L	1.90242	0.2	8832.38	98.72820
Cr 267.716	986.359	ug/L	1.67735	0.2	47158.0	98.63586
Cu 327.395	992.318	ug/L	6.13121	0.6	66764.3	99.23175
Fe 273.955	4937.36	ug/L	8.68968	0.2	77683.1	98.74725
K 404.721	20361.7	ug/L	364.675	1.8	287.432	101.80830
Li 610.365	4934.58	ug/L	1.29786	0.0	367241	98.69154
Mg 279.078	19681.5	ug/L	40.8257	0.2	88123.4	98.40756

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	986.672	ug/L	2.00233	0.2	289933	98.66720
Mo 202.032	1000.60	ug/L	3.88727	0.4	9103.44	100.06020
Na 330.237	19809.9	ug/L	31.5229	0.2	2758.99	99.04961
Ni 216.555	981.698	ug/L	0.087827	0.0	8331.83	98.16976
Pb 220.353	982.416	ug/L	2.92946	0.3	4953.00	98.24162
Sb 217.582	990.528	ug/L	2.30164	0.2	1919.25	99.05277
Se 196.026	987.919	ug/L	0.902010	0.1	539.811	98.79191
Si 251.611	1001.02	ug/L	9.87403	1.0	5349.39	100.10240
Si 288.158	994.617	ug/L	9.86152	1.0	12153.0	99.46172
Sn 283.998	984.042	ug/L	2.94949	0.3	4489.78	98.40415
Sr 421.552	992.510	ug/L	0.413155	0.0	2401963	99.25095
Ti 336.122	991.196	ug/L	0.717378	0.1	243792	99.11964
Tl 190.794	997.498	ug/L	0.131288	0.0	795.635	99.74983
V 292.401	990.039	ug/L	0.595888	0.1	38630.3	99.00386
Zn 202.548	979.873	ug/L	3.20852	0.3	22791.6	97.98732
Zr 339.198	1009.23	ug/L	0.611986	0.1	58717.6	100.92280

CCB (CCB) **9/18/2009, 2:12:25 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	0.314055	ug/L	0.391681	124.7	3.62824	0.31406
Al 237.312	1.38463	ug/L	0.190973	13.8	9.30615	1.38463
As 188.980	0.545405uv	ug/L	1.33363	244.5	2.14090	0.54541
B 249.678	35.1133	ug/L	4.94341	14.1	1046.03	35.11333
Ba 493.408	0.084935	ug/L	0.008612	10.1	338.017	0.08493
Be 313.042	0.084513	ug/L	0.002123	2.5	420.359	0.08451
Ca 373.690	1.76628	ug/L	1.10633	62.6	30.3394	1.76628
Cd 214.439	0.040429	ug/L	0.020444	50.6	3.45834	0.04043
Co 228.615	0.319873	ug/L	0.118294	37.0	15.7027	0.31987
Cr 267.716	-0.007058uv	ug/L	0.048727	690.4	23.2385	-0.00706
Cu 327.395	0.196397	ug/L	0.149197	76.0	77.8805	0.19640
Fe 273.955	3.45986	ug/L	0.086323	2.5	77.5407	3.45986
K 404.721	-337.406uv	ug/L	4.28427	1.3	11.9185	-337.40610
Li 610.365	-0.094218uv	ug/L	0.030379	32.2	1.61426	-0.09422
Mg 279.078	0.847661	ug/L	1.06709	125.9	18.1282	0.84766
Mn 257.610	0.075278	ug/L	0.007820	10.4	67.5528	0.07528
Mo 202.032	12.3380	ug/L	2.52676	20.5	118.842	12.33803
Na 330.237	-3.02950uv	ug/L	10.4426	344.7	9.65356	-3.02950
Ni 216.555	0.043902uv	ug/L	0.172805	393.6	4.12167	0.04390
Pb 220.353	-0.109460uv	ug/L	0.813370	743.1	7.20517	-0.10946
Sb 217.582	1.84419	ug/L	0.331990	18.0	3.85951	1.84419
Se 196.026	3.63007	ug/L	1.87795	51.7	3.59200	3.63007
Si 251.611	5.12639	ug/L	2.19910	42.9	71.0790	5.12639
Si 288.158	4.70972	ug/L	2.56172	54.4	433.905	4.70972
Sn 283.998	0.771557	ug/L	0.998045	129.4	16.4749	0.77156
Sr 421.552	0.083223	ug/L	0.002810	3.4	225.693	0.08322
Ti 336.122	0.482484	ug/L	0.137220	28.4	163.534	0.48248
Tl 190.794	2.70627	ug/L	0.100329	3.7	3.80810	2.70627
V 292.401	0.377898	ug/L	0.009137	2.4	27.0009	0.37790
Zn 202.548	0.073355	ug/L	0.022190	30.3	40.3067	0.07335
Zr 339.198	0.670656	ug/L	0.262444	39.1	41.9359	0.67066

CCV (CCV) **9/18/2009, 3:53:52 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	975.411	ug/L	1.45086	0.1	8327.28	97.54114
Al 237.312	4854.07	ug/L	14.2764	0.3	21820.6	97.08134
As 188.980	974.401	ug/L	7.00240	0.7	1050.92	97.44011
B 249.678	940.153	ug/L	6.59663	0.7	27591.5	94.01530
Ba 493.408	980.316	ug/L	2.71501	0.3	2458257	98.03156
Be 313.042	970.108	ug/L	1.38003	0.1	3282560	97.01076
Ca 373.690	19455.4	ug/L	4.28960	0.0	96867.5	97.27683
Cd 214.439	973.104	ug/L	0.759458	0.1	37784.4	97.31040
Co 228.615	972.330	ug/L	1.30273	0.1	8698.81	97.23296
Cr 267.716	971.318	ug/L	1.25802	0.1	46439.3	97.13175
Cu 327.395	969.570	ug/L	2.02417	0.2	65235.3	96.95699
Fe 273.955	4857.42	ug/L	5.71762	0.1	76456.5	97.14829
K 404.721	20027.9	ug/L	230.859	1.2	282.656	100.13970
Li 610.365	4848.03	ug/L	10.5717	0.2	360800	96.96060
Mg 279.078	19360.2	ug/L	27.3286	0.1	86704.3	96.80075
Mn 257.610	970.013	ug/L	1.41935	0.1	285039	97.00134
Mo 202.032	970.450	ug/L	1.60036	0.2	8829.32	97.04498
Na 330.237	19553.4	ug/L	36.7323	0.2	2722.08	97.76699
Ni 216.555	967.679	ug/L	1.86250	0.2	8212.90	96.76788
Pb 220.353	968.539	ug/L	0.654756	0.1	4883.15	96.85394
Sb 217.582	975.769	ug/L	3.27270	0.3	1890.66	97.57692
Se 196.026	971.179	ug/L	4.13884	0.4	530.692	97.11790
Si 251.611	985.834	ug/L	6.48921	0.7	5268.88	98.58340
Si 288.158	976.766	ug/L	5.87765	0.6	11941.6	97.67661
Sn 283.998	966.916	ug/L	1.50580	0.2	4411.86	96.69155
Sr 421.552	972.583	ug/L	2.53633	0.3	2353738	97.25825
Ti 336.122	972.430	ug/L	3.14102	0.3	239178	97.24304
Tl 190.794	981.832	ug/L	1.28996	0.1	783.165	98.18323
V 292.401	971.979	ug/L	1.28931	0.1	37925.9	97.19792
Zn 202.548	968.947	ug/L	0.609483	0.1	22537.9	96.89472
Zr 339.198	989.605	ug/L	2.15567	0.2	57576.0	98.96052

CCB (CCB) **9/18/2009, 3:56:46 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	-0.069621uv	ug/L	0.120624	173.3	0.353088	-0.06962
Al 237.312	1.64543	ug/L	0.064820	3.9	10.4946	1.64543
As 188.980	0.124192uv	ug/L	1.52144	1225.1	1.68728	0.12419
B 249.678	25.1376	ug/L	3.92157	15.6	753.435	25.13757
Ba 493.408	0.196090	ug/L	0.002694	1.4	616.738	0.19609
Be 313.042	0.110889	ug/L	0.000758	0.7	509.601	0.11089
Ca 373.690	2.31276	ug/L	0.648486	28.0	33.0978	2.31276
Cd 214.439	0.123641	ug/L	0.011754	9.5	6.68922	0.12364
Co 228.615	0.555764	ug/L	0.096903	17.4	17.8099	0.55576
Cr 267.716	0.828427	ug/L	0.102358	12.4	63.1633	0.82843
Cu 327.395	0.038392uv	ug/L	0.254943	664.1	67.2600	0.03839
Fe 273.955	2.89898	ug/L	0.310945	10.7	68.4982	2.89898
K 404.721	-571.970uv	ug/L	137.251	24.0	9.02625	-571.96973
Li 610.365	-0.169304uv	ug/L	0.152674	90.2	-3.97363	-0.16930
Mg 279.078	1.14460	ug/L	1.03151	90.1	19.4759	1.14460

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	0.116036	ug/L	0.010671	9.2	79.5275	0.11604
Mo 202.032	11.1562	ug/L	2.68441	24.1	108.098	11.15617
Na 330.237	-20.7540uv	ug/L	26.2759	126.6	7.28601	-20.75398
Ni 216.555	0.205934	ug/L	0.018956	9.2	5.49625	0.20593
Pb 220.353	-0.043517uv	ug/L	0.212459	488.2	7.53711	-0.04352
Sb 217.582	1.96264	ug/L	0.121323	6.2	4.08899	1.96264
Se 196.026	4.34349	ug/L	2.36878	54.5	3.98066	4.34349
Si 251.611	1.46568	ug/L	1.64397	112.2	51.6771	1.46568
Si 288.158	0.812445	ug/L	1.14582	141.0	387.767	0.81244
Sn 283.998	0.076123uv	ug/L	0.888722	1167.5	13.3111	0.07612
Sr 421.552	0.120476	ug/L	0.005141	4.3	315.846	0.12048
Ti 336.122	0.407833	ug/L	0.112295	27.5	145.176	0.40783
Tl 190.794	1.29002	ug/L	0.017662	1.4	2.68081	1.29002
V 292.401	0.462222	ug/L	0.126326	27.3	30.2901	0.46222
Zn 202.548	0.140876	ug/L	0.014445	10.3	41.8745	0.14088
Zr 339.198	0.617289	ug/L	0.056544	9.2	38.8311	0.61729

Interf Check A (ICSA) **9/18/2009, 3:59:40 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	0.520759	ug/L	0.322810	62.0	5.39270	0.52076
Al 237.312	111101	ug/L	552.344	0.5	443068	1101.39844K
As 188.980	0.504649uv	ug/L	0.883385	175.0	2.09701	0.50465
B 249.678	11.1301	ug/L	0.288238	2.6	342.587	11.13012
Ba 493.408	0.467401	ug/L	0.018081	3.9	1297.05	0.46740
Be 313.042	0.014560	ug/L	0.001125	7.7	183.667	0.01456
Ca 373.690	103164	ug/L	559.089	0.5	482626	3164.00000K
Cd 214.439	0.669791	ug/L	0.092623	13.8	27.8944	0.66979
Co 228.615	1.97859	ug/L	0.292987	14.8	30.5203	1.97859
Cr 267.716	0.877931	ug/L	0.037132	4.2	65.5289	0.87793
Cu 327.395	0.621996	ug/L	0.185819	29.9	106.488	0.62200
Fe 273.955	42962.0	ug/L	171.852	0.4	571431	2961.96875K
K 404.721	1666.80	ug/L	5.14034	0.3	36.7666	1666.79797
Li 610.365	1.47786	ug/L	0.038990	2.6	118.608	1.47786
Mg 279.078	107592	ug/L	359.719	0.3	452074	7591.70313K
Mn 257.610	3.16234	ug/L	0.001644	0.1	974.542	3.16234
Mo 202.032	2.87542	ug/L	0.702805	24.4	32.8151	2.87542
Na 330.237	153.626	ug/L	19.1613	12.5	30.5851	153.62601
Ni 216.555	5.25213	ug/L	0.167335	3.2	48.3049	5.25213
Pb 220.353	-1.62536uv	ug/L	0.009002	0.6	-0.425476	-1.62536
Sb 217.582	1.39846	ug/L	1.06689	76.3	2.99600	1.39846
Se 196.026	-1.58583uv	ug/L	0.717988	45.3	0.750488	-1.58583
Si 251.611	-0.062273uv	ug/L	1.09335	1755.7	43.5789	-0.06227
Si 288.158	-1.53184uv	ug/L	2.25450	147.2	360.014	-1.53184
Sn 283.998	0.203052uv	ug/L	0.683148	336.4	13.8885	0.20305
Sr 421.552	0.606401	ug/L	0.007154	1.2	1491.82	0.60640
Ti 336.122	1.60824	ug/L	0.039356	2.4	440.372	1.60824
Tl 190.794	1.29651	ug/L	0.783520	60.4	2.68597	1.29651
V 292.401	2.65387	ug/L	0.000137	0.0	115.779	2.65387
Zn 202.548	0.591132uv	ug/L	1.92231	325.2	52.3296	0.59113
Zr 339.198	1.02091	ug/L	0.063569	6.2	62.3129	1.02091

Interf Check AB (ICSAB) **9/18/2009, 4:02:35 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	597.579	ug/L	0.176129	0.0	5102.02	99.59650
Al 237.312	108247	ug/L	29.4941	0.0	431891	108.24710
As 188.980	1929.46	ug/L	0.085108	0.0	2079.47	96.47314
B 249.678	8.76638	ug/L	0.088769	1.0	273.257	-
Ba 493.408	580.558	ug/L	0.342289	0.1	1455868	96.75962
Be 313.042	187.564	ug/L	0.018871	0.0	634772	93.78227
Ca 373.690	99842.6	ug/L	312.121	0.3	468243	99.84261
Cd 214.439	559.582	ug/L	0.251268	0.0	21728.7	93.26373
Co 228.615	563.767	ug/L	1.05056	0.2	5049.06	93.96114
Cr 267.716	559.123	ug/L	0.679572	0.1	26742.0	93.18714
Cu 327.395	589.613	ug/L	5.31685	0.9	39696.1	98.26879
Fe 273.955	41846.1	ug/L	40.1918	0.1	557882	104.61530
K 404.721	42462.3	ug/L	192.427	0.5	627.875	106.15570
Li 610.365	1.45105	ug/L	0.019597	1.4	116.613	-
Mg 279.078	103522	ug/L	45.0670	0.0	436167	103.52220
Mn 257.610	375.082	ug/L	0.220755	0.1	110246	93.77040
Mo 202.032	1.13296	ug/L	0.528890	46.7	16.9740	-
Na 330.237	-106.445uv	ug/L	15.1754	14.3	-4.16016	-
Ni 216.555	567.217	ug/L	0.742799	0.1	4815.65	94.53613
Pb 220.353	1819.87	ug/L	1.99953	0.1	9168.54	90.99361
Sb 217.582	918.362	ug/L	4.09159	0.4	1779.44	91.83625
Se 196.026	946.292	ug/L	5.65487	0.6	517.134	94.62922
Si 251.611	-0.435597uv	ug/L	1.08927	250.1	41.6002	-
Si 288.158	-0.158402uv	ug/L	0.523724	330.6	376.273	-
Sn 283.998	227.083	ug/L	1.09213	0.5	1046.06	-
Sr 421.552	0.621684	ug/L	0.002416	0.4	1528.80	-
Ti 336.122	1.65659	ug/L	0.097289	5.9	452.260	-
Tl 190.794	1834.62	ug/L	3.39018	0.2	1461.96	91.73098
V 292.401	575.107	ug/L	0.162491	0.0	22445.3	95.85116
Zn 202.548	538.218	ug/L	0.352431	0.1	12536.2	89.70300
Zr 339.198	3.17440	ug/L	0.335562	10.6	187.598	-

Metals Worksheet

Batch Number: 360-49128
Method: 3050B
Analyst: Burton, Teresa F

Date Open: Sep 18 2009 7:14AM
Batch End: Sep 18 2009 12:00PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	stlma-3_00039	stlma2_00035
MB~360-49128/1		3050B, 6010B		2.0 g	100 mL		
LCS~360-49128/2		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
LCSD~360-49128/3		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
360-24582-A-22	OC-SS-416-0.0/1.0-XXX		T	1.77 g	100 mL		
360-24582-A-22~DU			T	1.79 g	100 mL		
360-24582-A-22~MS	OC-SS-416-0.0/1.0-XMS		T	1.76 g	100 mL	1.0 mL	1.0 mL
360-24582-A-1	OC-SB-457-28/30-XXX		T	1.71 g	100 mL		
360-24582-A-5	OC-SS-400-0.0/1.0-XXX		T	1.53 g	100 mL		
360-24582-A-6	OC-SS-401-0.1/1.0-XXX		T	1.76 g	100 mL		
360-24582-A-7	OC-SS-402-0.0/1.0-XXX		T	1.62 g	100 mL		
360-24582-A-9	OC-SS-404-0.0/1.0-XXX		T	1.54 g	100 mL		
360-24582-A-10	OC-SS-405-0.0/1.0-XXX		T	1.84 g	100 mL		
360-24582-A-11	OC-SS-406-0.0/1.0.-XXX		T	1.70 g	100 mL		
360-24582-A-12	OC-SS-407-0.0/1.0-XXX		T	1.66 g	100 mL		
360-24582-A-13	OC-SS-408-0.0/1.0-XXX		T	1.89 g	100 mL		
360-24582-A-14	OC-SS-409-0.0/1.0-XXX		T	1.52 g	100 mL		
360-24582-A-16	OC-SS-411-0.0/1.0-XXX		T	1.57 g	100 mL		
360-24582-A-17	OC-SS-412-0.0/1.0-XXX		T	1.57 g	100 mL		
360-24582-A-19	OC-SS-414-0.0/1.0-XXX		T	1.68 g	100 mL		
360-24582-A-20	OC-SS-415-0.0/1.0-XXX		T	1.68 g	100 mL		
360-24582-A-21	OC-SS-416-0.0/1.0-DUP		T	1.64 g	100 mL		
360-24444-A-4	OC-SB-462-31/33-XXX	3050B, 6010B	T	1.97 g	100 mL		
360-24444-A-7	OC-SB-467-30/32-XXX	3050B, 6010B	T	1.65 g	100 mL		
360-24444-A-13	OC-SB-459-26/28-XXX	3050B, 6010B	T	1.88 g	100 mL		
360-24611-A-1	CTI Agricycle Week Ending 9/11/09		T	1.58 g	100 mL		

Metals Worksheet

Batch Number: 360-49128
Method: 3050B
Analyst: Burton, Teresa F

Date Open: Sep 18 2009 7:14AM
Batch End: Sep 18 2009 12:00PM

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.

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-24444-2
SDG Number: OCRI-11A

Login Number: 24444
Creator: Rinard, Kimberley A
List Number: 1

List Source: TestAmerica Westfield

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	5.2 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	

360-24444

TAL-Soil

MACTEC

	Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)* (ME V)	SVOA and TICs (8270C) (G)	NDMA (Modified 8270C) (G)	Diphenylamine (8270C)** (G)	EPH (MADEP-EPH-04-1.1) (G)	VPH (MADEP-VPH-04-1.1) (ME V)	TAL Metals (6010B / 7471A) (G)	PCBs (8082) (G)	Anions (EPA 300)*** (G)	Amonnia (LACHAT) (G)	TOC (Lloyd Kahn) (G)	Phathalic Anhydride (Mod 8000 HPLC) (G)							Formaldehyde/Acetaldehyde (SW-846 8315A)* (G)	Phthalic Anhydride (acid) (Method 8000 - LC)* (G)			<--Preservative Type (4) <--Bottle Type (5) Comments (Special Instructions)
1	OC-SB-459-6.0/8.0-DUP	9/3/2009 11:30:00	T	FD	SO	G	11	X	X	X	X	X	X	X		X	X	X								X	X			Category 2 EPH in the same Jar as SVOC
	OC-SB-459-6.0/8.0-MSD	9/3/2009 11:30:00	T	MS	SO	G	8	X	X	X	X															X	X			Category 2
	OC-SB-459-6.0/8.0-XMS	9/3/2009 11:30:00	T	MS	SO	G	9	X	X	X	X			X		X	X	X								X	X			Category 2
2	OC-SB-459-6.0/8.0-XXX	9/3/2009 11:30:00	T	FS	SO	G	11	X	X	X	X	X	X	X		X	X	X								X	X			Category 2 EPH in the same jar as SVOC
3	OC-SB-462-0.0/1.0-XXX	9/3/2009 9:00:00 AM	T	FS	SO	G	4	X	X					X		X	X													Category 1
4	OC-SB-462-31/33-XXX	9/3/2009 10:15:00	T	FS	SO	G	4	X	X					X		X	X													Category 3
5	OC-SB-462-4.0/6.0-XXX	9/3/2009 9:10:00 AM	T	FS	SO	G	4	X	X					X		X	X													Category 2
6	OC-SB-467-0.0/1.0-XXX	9/2/2009 4:05:00 PM	T	FS	SO	G	1								X															Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Relinquished: [signature] Date: 09/03/09 Time: 1445 Received: [signature] Date: 9/3/09 Time: 1445

Relinquished: [signature] Date: 9/3/09 Time: 1650 Received: [signature] Date: 9/3/09 Time: 1650

Cooler? Y / N

MADEP Requirement

Samples Iced? Y / N

Temp @ receipt: 5.2°C Deg C

Preservation / pH checked? Y / N

By: [signature] Date: 9/3/09

360 24444

TAL-Soil

Page 2 of 7

10/28/2009

MACTEC

	Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)* (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)
7	OC-SB-467-30/32-XXX	9/2/2009 5:30:00 PM	T	FS	SO	G	5	X	X					X	X	X	X												Category 3
8	OC-SB-467-6.0/8.0-DUP	9/2/2009 4:25:00 PM	T	FD	SO	G	5	X	X					X	X	X	X												Category 2
	OC-SB-467-6.0/8.0-MSD	9/2/2009 4:25:00 PM	T	MS	SO	G	5	X	X						X														Category 2
	OC-SB-467-6.0/8.0-XMS	9/2/2009 4:25:00 PM	T	MS	SO	G	5	X	X					X	X	X	X												Category 2
9	OC-SB-467-6.0/8.0-XXX	9/2/2009 4:25:00 PM	T	FS	SO	G	5	X	X					X	X	X	X												Category 2
10	OC-TBK-013	9/3/2009 2:00:00 PM	T	TB	SO	G	4	X					X																Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Cooler? Y / N

MADEP Requirement Samples Iced? Y / N

Temp @ receipt: 5.2°C Deg C

Preservation / pH checked? Y / N

By: Kan Date: 9/3/09

Relinquished: [signature] Date: 09/03/09 Time: 1445 Received: [signature] Date: 9/3/09 Time: 1445

Relinquished: [signature] Date: 9/3/09 Time: 1650 Received: [signature] Date: 9/3/09 Time: 1650

360-24444
Page 3 of 7

TAL-NJ-Soil

10/28/2009

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200 Cleveland, TN 37312	Work Site ID:	Wilmington, MA
		Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax:	423-336-1466
Email	SGMorrow@olin.com	Email Rpt:	

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO — Shaded Areas for office use only

Company Name: Olin Corp

Company Contact: ERG Accounts Payable

Address: Same as Client

Phone: Email

Job # _____ Quote # _____

Lab SDG #_____ PO #_____

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	Cr+6 (3060A / 7199)	Cr+6 (7199)	DMF (Mod 8033 - GC/NPD)	DMF (Mod 8033 - GC/NPD)	Opex / Kempore (8000B - HPLC)	Perchlorate (6850)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	Comments (Special Instructions)
							-	-	-	-	-	-	-	Zn	<--Preservative Type (4)
							G	P	G	V	V	V	AG	AV	<--Bottle Type (5)
OC-SB-459-26/28-XXX	9/3/2009 12:25:00	T	FS	SO	G	1	X								Category 3

Page 441 of 447

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass, AV = 40mL VOA Amber Glass Vial.

Relinquished: [signature] Date: 09/03/09 Time: 1445 Received: [signature] Date: 9/3/09 Time: 1445

Relinquished: [signature] Date: 9/3/09 Time: 1650 Received: [signature] Date: 9/3/09 Time: 1650

Cooler? Y / N — MADEP Requirement Samples Iced? Y / N

Temp @ receipt: 5.2°C Deg C

Preservation / pH checked? Y / N

By: [signature] Date: 9/3/09

TAL-Soil

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200 Cleveland, TN 37312	Work Site ID:	Wilmington, MA
		Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax:	423-336-1466
Email	SGMorrow@olin.com	Email Rpt:	

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO — Shaded Areas for office use only

Company Name: Olin Corp

Company Contact: ERG Accounts Payable

Address: Same as Client

Phone: Email

Job # _____ Quote # _____

Lab SDG # _____ PO # _____

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)* (ME V)	SVOA and TICs (8270C) (G)	NDMA (Modified 8270C) (G)	Diphenylamine (8270C)** (G)	EPH (MADEP-EPH-04-1.1) (G)	VPH (MADEP-VPH-04-1.1) (ME V)	TAL Metals (6010B / 7471A) (G)	PCBs (8082) (G)	Anions (EPA 300)*** (G)	Amonnia (LACHAT) (G)	TOC (Lloyd Kahn) (G)	Phathalic Anhydride (Mod 8000 HPLC) (G)	Formaldehyde/Acetaldehyde (SW-846 8315A)* (G)	Phthalic Anhydride (acid) (Method 8000 - LC)* (G)	Comments (Special Instructions)
																			<--Preservative Type (4)		
																			<--Bottle Type (5)		
12 OC-SB-459-0.0/1.0-XXX	9/3/2009 11:10:00	T	FS	SO	G	10	X	X	X	X			X	X	X	X	X		X	X	Category 1
13 OC-SB-459-26/28-XXX	9/3/2009 12:25:00	T	FS	SO	G	9	X	X	X	X			X		X	X	X		X	X	Category 3

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Relinquished: [signature] Date: 9/3/09 Time: 1445 Received: [signature] Date: 9/3/09 Time: 1445

Relinquished: [signature] Date: 9/3/09 Time: 1650 Received: [signature] Date: 9/3/09 Time: 1650

Cooler? Y / N MADEP Requirement Samples Iced? Y / N

Temp @ receipt: 5.2°C Deg C

Preservation / pH checked? Y / N

By: KM Date: 9/3/09

TAL- NJ-Soil

360-24444

MACTEC

	Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	Cr+6 (3060A / 7199)	Cr+6 (7199)	DMF (Mod 8033 - GC/NPD)	DMF (Mod 8033 - GC/NPD)	Opex / Kempore (8000B - HPLC)	Perchlorate (6850)													Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)			Comments (Special Instructions)
								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Zn	-	-	<--Preservative Type (4)
								G	P	G	V	V	V													AG	AV			<--Bottle Type (5)
14	OC-SB-459-6.0/8.0-DUP	9/3/2009 11:30:00	T	FD	SO	G	1	X																						Category 2
	OC-SB-459-6.0/8.0-XMS	9/3/2009 11:30:00	T	MS	SO	G	1	X																						Category 2
15	OC-SB-459-6.0/8.0-XXX	9/3/2009 11:30:00	T	FS	SO	G	1	X																						Category 2

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass, AV = 40mL VOA Amber Glass Vial,

Relinquished: [signature] Date: 09/03/09 Time: 1445 Received: [signature] Date: 9/3/09 Time: 1445

Relinquished: [signature] Date: 9/3/09 Time: 1650 Received: [signature] Date: 9/3/09 Time: 1650

Cooler (Y) N	MADEP Requirement
	Samples Iced (Y) N
Temp @ receipt: 5.2°C Deg C	
Preservation / pH checked? Y (N)	
By: [signature]	Date: 9/3/09

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)	Regulatory Programs: MADEP MCP____ Superfund ____
Standard_____ Rush_____ (Lab Approval Required)	Report Requirements Level IV Package ____ Level II Package ____
	EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO	Shaded Areas for office use only
Company Name: Olin Corp	
Company Contact: ERG Accounts Payable	
Address: Same as Client	
Phone: Email	
Job # _____	Quote # _____
Lab SDG #_____	PO #_____

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360 24444

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (8260B)	SVOA and TICs (8270C)	NDMA/NDPA (WS-MS-0012)*	Diphenylamine (8270C)**	Pesticides (8081)	PCBs (8082)	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B/7470A)	Anions (EPA 300)***	Amonnia (LACHAT)	Alkalinity (SM 2320B)	Hardness (SM 2340B)	pH (SM 4500)	Conductivity (SM 2510B)	TDS (SM 2540C)	TSS (SM 2540D)	TOC (Lloyd Kahn)	COD (EPA 410.4)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Mod 8000 - HPLC)*	Alkylphenols (WS-MS-0010)*	Herbicides (8151A)	Comments (Special Instructions)
							HA V	- AG	-	- AG	- AG	- AG	HA AG	HA V	NI P	- P	SA P	- P	NI P	- P	- P	- P	- P	SA AG	SA P	- AG	- V	SA AG	- AG	<--Preservative Type (4)
																														<--Bottle Type (5)
1b OC-EBK-007	9/3/2009 8:00:00 AM	T	EB	BW	G	10	X	X	X						X	X	X													Category 1

NDMA analysis by 8270C-Low Level

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = NDMA analyzed at TAL-West Sacramento, CA
* = Alkylphenols analyzed at TAL-West Sacramento, CA
* = Phthalic Anhydride analyzed at TAL-West Sacramento, C

* = Formaldehyde analyzed at TAL-Tallahassee Florida
** = Using Method 3620B
*** = Sulfate, Chloride, ~~Nitrate, Nitrite, Flouride, Bromid~~

TC 9/3/09

Relinquished:	Date: 09/03/09	Time: 1445	Received:	Date: 9/3/09	Time: 1445
Relinquished:	Date: 9/3/09	Time: 1650	Received:	Date: 9/3/09	Time: 1650

Cooler ? (Y) / N	MADEP Requirement
	Samples Iced? (Y) / N
Temp @ receipt: 5.2°C Deg C	
Preservation / pH checked? (Y) / N	
By: Van	Date: 9/3/09

Olin Wilmington OU1 Soil Sampling Categories

There will be three categories of samples submitted to the laboratories during the soil sampling program based primarily on the depth of soil locations. These categories will be indentified in notes provided with the chain of custody submitted with samples. The following categories are included:

Category 1

Soil boring samples 0'-1': request that all samples are analyzed and reported in the normal project turnaround time (TAT).

Category 2

Soil boring samples from the 1'-10' interval: All samples are analyzed. Rush TAT is requested on a subset of analyses as indicated below:

VOCs: rush 7-day TAT
SVOCs: NDMA, and phthalic anhydride: normal 30-day TAT
DMF: normal 21-day TAT
Hydrazine: rush 7 day TAT
Metals: normal 30-day TAT (except mercury)
Mercury: 10 day TAT
Hexavalent Chromium: 10 day TAT
Formaldehyde/acetaldehyde: normal TAT
Anions: normal TAT
Ammonia: normal TAT

Category 3

Soil boring samples from >10 ft: Sample are held with analysis pending. For a subset of analyses the samples will be extracted and held by the lab pending instructions from MACTEC-Olin.

VOCs: hold pending results of Category 2
SVOCs: extract and hold pending results of Category 2
NDMA: extract and hold pending results of Category 2
DMF: extract and hold pending results of Category 2
Hydrazine: hold pending results of Category 2
Metals: hold pending results of Category 2
Mercury: hold pending results of Category 2
Hexavalent Chromium: hold pending results of Category 2
Phthalic anhydride: extract and hold pending results of Category 2
Formaldehyde/acetaldehyde: run normal TAT
Anions: run normal TAT
Ammonia: run normal TAT

For rush TAT samples the laboratory will provide preliminary results with a narrative and sample results summary report. The lab will also provide data on a preliminary data EDD. Final result and supporting data packages will be provided in the normal TAT for the project.

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360-24444

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
360-24444	OC-SB-459-26/28-XXX	(360-24444-13)	09/03/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24444	OC-SB-462-31/33-XXX	(360-24444-4)	09/03/09	Category 3	SVOC[1]	Analyze SVOC Sample as Previously Requested on COC
360-24444	OC-SB-467-30/32-XXX	(360-24444-7)	09/02/09	Category 3	SVOC[1]	Analyze SVOC Sample as Previously Requested on COC
360-24444	OC-SB-459-26/28-XXX	(360-24444-13)	09/03/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24444	OC-SB-459-26/28-XXX	(360-24444-13)	09/03/09	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

P:\6107090016 - Olin Wilmington CSS 2009\3.0 Field and Site Characterization\3.6 Databases\Prelim EDDs\
OCRI-11.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
360-24444	OC-SB-459-26/28-XXX	(360-24444-13)	09/03/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24444	OC-SB-462-31/33-XXX	(360-24444-4)	09/03/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24444	OC-SB-467-30/32-XXX	(360-24444-7)	09/02/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24444	OC-SB-459-26/28-XXX	(360-24444-13)	09/03/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24444	OC-SB-462-31/33-XXX	(360-24444-4)	09/03/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24444	OC-SB-467-30/32-XXX	(360-24444-7)	09/02/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC

Tige Cunningham

Sample Manager
MACTEC Engineering & Consulting, Inc.

9-16-09
Date

P \6107090016 - Olin Wilmington CSS 2009\3.0 Field and Site Characterization\3.6 Databases\Prelim EDDs\
OCRI-11.xls, Metals Pending Samples