TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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2/15/10

ANALYTICAL REPORT

Job Number: 360-24327-2

SDG Number: OCRI-07A

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
10/26/2009 10:25 AM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
10/26/2009

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
Tel (413) 572-4000 Fax (413) 572-3707 www.testamericainc.com

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MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24327-2**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24327-(2,4,7,10,16)

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

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

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

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

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

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

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

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

Signature: **Position:** Technical Manager

Printed Name: James Wickham **Date:** 10/26/09 9:56

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
Tel:(413)572-4000
Fax:(413)572-3707

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24327-2**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24327-(2,4,7,10,16)

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 ( )	

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:** 10/26/09 9:56

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
Tel:(413)572-4000
Fax:(413)572-3707

CASE NARRATIVE

Client: Olin Corporation

Project: Olin Chemical Superfund Site

Report Number: 360-24327-2

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

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

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

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

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

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

RECEIPT

The samples were received on 08/27/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 7.6 and 10.0C.

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 360-24327-2, 360-24327-4, 360-24327-7, 360-24327-10 and 360-24327-16 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 09/08/2009 and analyzed on 09/17/2009 and 09/18/2009.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the exception of:

For samples 360-24327-(2,4), Benzoic acid and Di-n-butyl phthalate were detected in method blank MB 360-48691/1-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 360-24327-(7,10,16), Benzoic acid and Di-n-butyl phthalate were detected in method blank MB 360-48703/1-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. Refer to the QC report for details.

For samples 360-24327-(2,4), 3,3'-Dichlorobenzidine, Aniline and Bis(2-chloroethyl)ether failed the recovery criteria low for LCS 360-48691/2-A. 3,3'-Dichlorobenzidine and Aniline failed the recovery criteria low for LCSD 360-48691/3-A. Bis(2-chloroethyl)ether exceeded the LCS/LCSD rpd limit.

For samples 360-24327-(7,10,16), Benzaldehyde failed the recovery criteria high. 3,3'-Dichlorobenzidine and Aniline failed the recovery criteria low for LCS 360-48703/2-A. 3,3'-Dichlorobenzidine and Aniline failed the recovery criteria low for LCSD 360-48703/3-A.

3,3'-Dichlorobenzidine and Aniline failed the recovery criteria low for the MS/MSD of sample 360-24327-12 in batch 360-49174. 3,3'-Dichlorobenzidine exceeded the rpd limit. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

For samples 360-24327-(7,10,16), batch 49174, the CCV had high response for 4-Nitrophenol. This compound is ND in the associated samples and would be biased high.

General method information:
For sample 360-24327-(2), batch 49098, the ICAL 9/17/2009 Inst B used quadratic regression for Benzoic acid, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, and Pentachlorophenol.

For sample 360-24327-(4,7,10,16), batch 49095 and 49174, the ICAL 9/15/2009 Inst J used quadratic regression for Benzoic acid, 4-Nitrophenol, 4,6-Dinitro-2-methylphenol, Di-n-octyl phthalate and Pentachlorophenol.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS
Samples 360-24327-2, 360-24327-4, 360-24327-7, 360-24327-10 and 360-24327-16 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 09/23/2009.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the exception of:

Tin exceeded the CRI method criteria with 58% recovery on the low reporting limit standard. The recommend MCP control criteria is 70-130%. The data has been flagged appropriately.

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

Several analytes were detected in method blank MB 360-49332/1-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.

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: 360-24327-2
Sdg Number: OCRI-07A

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-24327-2	OC-SB-403-13/15-XXX	Solid	08/26/2009 1340	08/27/2009 1710
360-24327-4	OC-SB-404-13/15-XXX	Solid	08/26/2009 1540	08/27/2009 1710
360-24327-7	OC-SB-409-15/17-XXX	Solid	08/26/2009 1715	08/27/2009 1710
360-24327-10	OC-SB-410-17/19-XXX	Solid	08/27/2009 1115	08/27/2009 1710
360-24327-16	OC-SB-418-15/17-XXX	Solid	08/27/2009 0900	08/27/2009 1710

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24327-2	**OC-SB-403-13/15-XXX**					
Aluminum		3000		3.2	mg/Kg	6010B
Arsenic		1.2	J	1.3	mg/Kg	6010B
Barium		7.5		0.64	mg/Kg	6010B
Beryllium		0.090	J	0.26	mg/Kg	6010B
Cadmium		0.049	J	0.26	mg/Kg	6010B
Calcium		550	B	13	mg/Kg	6010B
Chromium		5.3	B	0.64	mg/Kg	6010B
Cobalt		1.6		0.64	mg/Kg	6010B
Copper		4.9	B	1.3	mg/Kg	6010B
Iron		3100	B	6.4	mg/Kg	6010B
Lead		1.5	B	0.64	mg/Kg	6010B
Magnesium		890	B	13	mg/Kg	6010B
Manganese		32		1.3	mg/Kg	6010B
Nickel		4.8		1.3	mg/Kg	6010B
Potassium		620		260	mg/Kg	6010B
Sodium		28	J B	130	mg/Kg	6010B
Vanadium		5.0		1.3	mg/Kg	6010B
Zinc		8.1		3.2	mg/Kg	6010B
Tin		1.8	J ^ B	6.4	mg/Kg	6010B
360-24327-4	**OC-SB-404-13/15-XXX**					
Aluminum		10000		2.7	mg/Kg	6010B
Arsenic		2.2		1.1	mg/Kg	6010B
Barium		13		0.53	mg/Kg	6010B
Beryllium		0.38		0.21	mg/Kg	6010B
Cadmium		0.26		0.21	mg/Kg	6010B
Calcium		1400	B	11	mg/Kg	6010B
Chromium		11	B	0.53	mg/Kg	6010B
Cobalt		6.0		0.53	mg/Kg	6010B
Copper		12	B	1.1	mg/Kg	6010B
Iron		16000	B	5.3	mg/Kg	6010B
Lead		4.1	B	0.53	mg/Kg	6010B
Magnesium		5300	B	11	mg/Kg	6010B
Manganese		200		1.1	mg/Kg	6010B
Nickel		10		1.1	mg/Kg	6010B
Potassium		930		210	mg/Kg	6010B
Sodium		14	J B	110	mg/Kg	6010B
Vanadium		26		1.1	mg/Kg	6010B
Zinc		34		2.7	mg/Kg	6010B
Tin		3.3	J ^ B	5.3	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24327-7	**OC-SB-409-15/17-XXX**					
Acetophenone		5.6	J	37	ug/Kg	8270C LL
Di-n-butyl phthalate		15	J B	37	ug/Kg	8270C LL
Di-n-octyl phthalate		20	J	37	ug/Kg	8270C LL
Aluminum		10000		3.3	mg/Kg	6010B
Arsenic		4.7		1.3	mg/Kg	6010B
Barium		55		0.65	mg/Kg	6010B
Beryllium		0.35		0.26	mg/Kg	6010B
Cadmium		0.39		0.26	mg/Kg	6010B
Calcium		2800	B	13	mg/Kg	6010B
Chromium		22	B	0.65	mg/Kg	6010B
Cobalt		14		0.65	mg/Kg	6010B
Copper		25	B	1.3	mg/Kg	6010B
Iron		23000	B	6.5	mg/Kg	6010B
Lead		0.75	B	0.65	mg/Kg	6010B
Magnesium		6900	B	13	mg/Kg	6010B
Manganese		180		1.3	mg/Kg	6010B
Nickel		18		1.3	mg/Kg	6010B
Potassium		2500		260	mg/Kg	6010B
Sodium		210	B	130	mg/Kg	6010B
Vanadium		33		1.3	mg/Kg	6010B
Zinc		17		3.3	mg/Kg	6010B
Tin		7.3	^ B	6.5	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24327-10	**OC-SB-410-17/19-XXX**					
Benzo[a]anthracene		9.0	J	36	ug/Kg	8270C LL
Benzo[a]pyrene		12	J	36	ug/Kg	8270C LL
Benzo[b]fluoranthene		12	J	36	ug/Kg	8270C LL
Chrysene		8.1	J	36	ug/Kg	8270C LL
Di-n-butyl phthalate		16	J B	36	ug/Kg	8270C LL
Aluminum		9500		3.3	mg/Kg	6010B
Arsenic		1.8		1.3	mg/Kg	6010B
Barium		38		0.66	mg/Kg	6010B
Beryllium		0.23	J	0.27	mg/Kg	6010B
Cadmium		0.27		0.27	mg/Kg	6010B
Calcium		4100	B	13	mg/Kg	6010B
Chromium		20	B	0.66	mg/Kg	6010B
Cobalt		12		0.66	mg/Kg	6010B
Copper		34	B	1.3	mg/Kg	6010B
Iron		15000	B	6.6	mg/Kg	6010B
Lead		1.8	B	0.66	mg/Kg	6010B
Magnesium		7300	B	13	mg/Kg	6010B
Manganese		150		1.3	mg/Kg	6010B
Nickel		16		1.3	mg/Kg	6010B
Potassium		2000		270	mg/Kg	6010B
Sodium		270	B	130	mg/Kg	6010B
Vanadium		28		1.3	mg/Kg	6010B
Zinc		17		3.3	mg/Kg	6010B
Tin		6.7	^ B	6.6	mg/Kg	6010B
360-24327-16	**OC-SB-418-15/17-XXX**					
Aluminum		9100		3.5	mg/Kg	6010B
Arsenic		2.8		1.4	mg/Kg	6010B
Barium		27		0.69	mg/Kg	6010B
Beryllium		0.24	J	0.28	mg/Kg	6010B
Cadmium		0.24	J	0.28	mg/Kg	6010B
Calcium		3400	B	14	mg/Kg	6010B
Chromium		29	B	0.69	mg/Kg	6010B
Cobalt		7.6		0.69	mg/Kg	6010B
Copper		43	B	1.4	mg/Kg	6010B
Iron		16000	B	6.9	mg/Kg	6010B
Lead		1.2	B	0.69	mg/Kg	6010B
Magnesium		4300	B	14	mg/Kg	6010B
Manganese		110		1.4	mg/Kg	6010B
Nickel		15		1.4	mg/Kg	6010B
Potassium		1200		280	mg/Kg	6010B
Sodium		160	B	140	mg/Kg	6010B
Vanadium		27		1.4	mg/Kg	6010B
Zinc		17		3.5	mg/Kg	6010B
Tin		10	^ B	6.9	mg/Kg	6010B

METHOD SUMMARY

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

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: 360-24327-2
Sdg Number: OCRI-07A

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-403-13/15-XXX**

Lab Sample ID: 360-24327-2
Client Matrix: Solid
% Moisture: 20.3

Date Sampled: 08/26/2009 1340
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49098		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48691		Lab File ID:	B10391.D
Dilution:	1.0			Initial Weight/Volume:	30.05 g
Date Analyzed:	09/18/2009 0556			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1206			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		13	42
1,2,4,5-Tetrachlorobenzene		ND		2.8	42
1,2,4-Trichlorobenzene		ND		8.1	42
1,2-Dichlorobenzene		ND		4.5	42
1,3-Dichlorobenzene		ND		12	42
1,4-Dichlorobenzene		ND		7.5	42
1-Methylnaphthalene		ND		2.5	42
2,2'-oxybis[1-chloropropane]		ND		4.2	42
2,3,4,6-Tetrachlorophenol		ND		2.5	42
2,4,5-Trichlorophenol		ND		4.7	42
2,4,6-Trichlorophenol		ND		8.8	42
2,4-Dichlorophenol		ND		8.0	42
2,4-Dimethylphenol		ND		7.3	42
2,4-Dinitrophenol		ND		6.1	42
2,4-Dinitrotoluene		ND		5.9	42
2,6-Dinitrotoluene		ND		5.3	42
2-Chloronaphthalene		ND		6.4	42
2-Chlorophenol		ND		4.1	42
2-Methylnaphthalene		ND		32	42
2-Methylphenol		ND		6.0	42
2-Nitroaniline		ND		27	210
2-Nitrophenol		ND		4.8	42
3 & 4 Methylphenol		ND		7.9	42
3,3'-Dichlorobenzidine		ND	*	30	84
3-Nitroaniline		ND		12	210
4,6-Dinitro-2-methylphenol		ND		11	210
4-Bromophenyl phenyl ether		ND		8.7	42
4-Chloro-3-methylphenol		ND		12	84
4-Chloroaniline		ND		17	84
4-Chlorophenyl phenyl ether		ND		6.6	42
4-Nitroaniline		ND		11	210
4-Nitrophenol		ND		8.1	210
Acenaphthene		ND		6.1	42
Acenaphthylene		ND		7.4	42
Acetophenone		ND		4.5	42
Aniline		ND	*	22	42
Anthracene		ND		13	42
Atrazine		ND		13	42
Azobenzene		ND		5.2	42
Benzaldehyde		ND	*	13	42
Benzo[a]anthracene		ND		8.0	42
Benzo[a]pyrene		ND		7.6	42
Benzo[b]fluoranthene		ND		9.6	42
Benzo[g,h,i]perylene		ND		8.1	42
Benzo[k]fluoranthene		ND		12	42
Benzoic acid		ND		18	210

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-403-13/15-XXX**

Lab Sample ID: 360-24327-2
Client Matrix: Solid
% Moisture: 20.3

Date Sampled: 08/26/2009 1340
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49098		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48691		Lab File ID:	B10391.D
Dilution:	1.0			Initial Weight/Volume:	30.05 g
Date Analyzed:	09/18/2009 0556			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1206			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		2.5	42
Benzyl alcohol		ND		9.6	84
Bis(2-chloroethoxy)methane		ND		7.5	42
Bis(2-chloroethyl)ether		ND	*	10	42
Bis(2-ethylhexyl) phthalate		ND		13	42
Butyl benzyl phthalate		ND		9.1	42
Caprolactam		ND		13	42
Carbazole		ND		42	42
Chrysene		ND		9.0	42
Dibenz(a,h)anthracene		ND		8.4	42
Dibenzofuran		ND		24	42
Diethyl phthalate		ND		5.9	42
Dimethyl phthalate		ND		6.1	42
Di-n-butyl phthalate		ND		13	42
Di-n-octyl phthalate		ND		12	42
Diphenyl oxide		ND		13	42
Fluoranthene		ND		26	42
Fluorene		ND		16	42
Hexachlorobenzene		ND		9.9	42
Hexachlorobutadiene		ND		8.3	42
Hexachlorocyclopentadiene		ND		11	84
Hexachloroethane		ND		8.0	42
Indeno[1,2,3-cd]pyrene		ND		13	42
Isophorone		ND		8.9	42
Naphthalene		ND		93	100
Nitrobenzene		ND		5.7	42
N-Nitrosodimethylamine		ND		4.8	42
N-Nitrosodi-n-propylamine		ND		4.7	42
N-Nitrosodiphenylamine		ND		8.4	42
Pentachlorophenol		ND		8.6	42
Phenanthrene		ND		48	50
Phenol		ND		5.2	42
Pyrene		ND		11	42

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	52		30 - 130
2-Fluorobiphenyl	63		30 - 130
2-Fluorophenol	72		30 - 130
Nitrobenzene-d5	66		30 - 130
Phenol-d5	60		30 - 130
Terphenyl-d14	82		30 - 130

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-403-13/15-XXX**

Lab Sample ID: 360-24327-2
Client Matrix: Solid
% Moisture: 20.3

Date Sampled: 08/26/2009 1340
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49098		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48691		Lab File ID:	B10391.D
Dilution:	1.0			Initial Weight/Volume:	30.05 g
Date Analyzed:	09/18/2009 0556			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1206			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
630-1-3	Hexacosane	14.90	45	T J N
7225-66-3	Tridecane, 7-hexyl-	15.54	66	T J N
638-67-5	Tricosane	16.07	69	T J N
593-49-7	Heptacosane	16.61	66	T J N
630-2-4	Octacosane	17.19	55	T J N
7683-64-9	Squalene	17.35	400	T J N
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	17.84	59	T J N

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-404-13/15-XXX**

Lab Sample ID: 360-24327-4
Client Matrix: Solid
% Moisture: 6.5

Date Sampled: 08/26/2009 1540
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49095		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48691		Lab File ID:	J03002.D
Dilution:	1.0			Initial Weight/Volume:	30.25 g
Date Analyzed:	09/17/2009 1645			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1206			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	35
1,2,4,5-Tetrachlorobenzene		ND		2.4	35
1,2,4-Trichlorobenzene		ND		6.9	35
1,2-Dichlorobenzene		ND		3.8	35
1,3-Dichlorobenzene		ND		10	35
1,4-Dichlorobenzene		ND		6.4	35
1-Methylnaphthalene		ND		2.1	35
2,2'-oxybis[1-chloropropane]		ND		3.6	35
2,3,4,6-Tetrachlorophenol		ND		2.1	35
2,4,5-Trichlorophenol		ND		4.0	35
2,4,6-Trichlorophenol		ND		7.4	35
2,4-Dichlorophenol		ND		6.8	35
2,4-Dimethylphenol		ND		6.2	35
2,4-Dinitrophenol		ND		5.2	35
2,4-Dinitrotoluene		ND		5.0	35
2,6-Dinitrotoluene		ND		4.5	35
2-Chloronaphthalene		ND		5.4	35
2-Chlorophenol		ND		3.4	35
2-Methylnaphthalene		ND		27	35
2-Methylphenol		ND		5.0	35
2-Nitroaniline		ND		23	180
2-Nitrophenol		ND		4.1	35
3 & 4 Methylphenol		ND		6.7	35
3,3'-Dichlorobenzidine		ND	*	26	71
3-Nitroaniline		ND		10	180
4,6-Dinitro-2-methylphenol		ND		9.0	180
4-Bromophenyl phenyl ether		ND		7.4	35
4-Chloro-3-methylphenol		ND		9.8	71
4-Chloroaniline		ND		14	71
4-Chlorophenyl phenyl ether		ND		5.6	35
4-Nitroaniline		ND		9.4	180
4-Nitrophenol		ND		6.9	180
Acenaphthene		ND		5.2	35
Acenaphthylene		ND		6.2	35
Acetophenone		ND		3.8	35
Aniline		ND	*	18	35
Anthracene		ND		11	35
Atrazine		ND		11	35
Azobenzene		ND		4.4	35
Benzaldehyde		ND	*	11	35
Benzo[a]anthracene		ND		6.8	35
Benzo[a]pyrene		ND		6.5	35
Benzo[b]fluoranthene		ND		8.1	35
Benzo[g,h,i]perylene		ND		6.9	35
Benzo[k]fluoranthene		ND		9.8	35
Benzoic acid		ND		15	180

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-404-13/15-XXX**

Lab Sample ID: 360-24327-4
Client Matrix: Solid
% Moisture: 6.5

Date Sampled: 08/26/2009 1540
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49095		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48691		Lab File ID:	J03002.D
Dilution:	1.0			Initial Weight/Volume:	30.25 g
Date Analyzed:	09/17/2009 1645			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1206			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		2.1	35
Benzyl alcohol		ND		8.2	71
Bis(2-chloroethoxy)methane		ND		6.4	35
Bis(2-chloroethyl)ether		ND	*	8.6	35
Bis(2-ethylhexyl) phthalate		ND		11	35
Butyl benzyl phthalate		ND		7.7	35
Caprolactam		ND		11	35
Carbazole		ND		35	35
Chrysene		ND		7.6	35
Dibenz(a,h)anthracene		ND		7.1	35
Dibenzofuran		ND		20	35
Diethyl phthalate		ND		5.0	35
Dimethyl phthalate		ND		5.2	35
Di-n-butyl phthalate		ND		11	35
Di-n-octyl phthalate		ND		10	35
Diphenyl oxide		ND		11	35
Fluoranthene		ND		22	35
Fluorene		ND		14	35
Hexachlorobenzene		ND		8.4	35
Hexachlorobutadiene		ND		7.0	35
Hexachlorocyclopentadiene		ND		9.7	71
Hexachloroethane		ND		6.7	35
Indeno[1,2,3-cd]pyrene		ND		11	35
Isophorone		ND		7.6	35
Naphthalene		ND		78	85
Nitrobenzene		ND		4.8	35
N-Nitrosodimethylamine		ND		4.1	35
N-Nitrosodi-n-propylamine		ND		4.0	35
N-Nitrosodiphenylamine		ND		7.1	35
Pentachlorophenol		ND		7.3	35
Phenanthrene		ND		41	42
Phenol		ND		4.4	35
Pyrene		ND		9.4	35

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	77		30 - 130
2-Fluorobiphenyl	68		30 - 130
2-Fluorophenol	77		30 - 130
Nitrobenzene-d5	67		30 - 130
Phenol-d5	74		30 - 130
Terphenyl-d14	87		30 - 130

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-404-13/15-XXX**

Lab Sample ID: 360-24327-4
Client Matrix: Solid % Moisture: 6.5

Date Sampled: 08/26/2009 1540
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49095		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48691		Lab File ID:	J03002.D
Dilution:	1.0			Initial Weight/Volume:	30.25 g
Date Analyzed:	09/17/2009 1645			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1206			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	5.56	15	T J
615-22-5	Benzothiazole, 2-(methylthio)-	10.28	18	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.74	14	T J N
74685-33-9	3-Eicosene, (E)-	13.64	25	T J N
111-2-4	2,6,10,14,18,22-Tetracosahexaene, 2,6,10	14.65	430	T J N

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-409-15/17-XXX**

Lab Sample ID: 360-24327-7
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 08/26/2009 1715
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49174		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48703		Lab File ID:	J03011.D
Dilution:	1.0			Initial Weight/Volume:	30.38 g
Date Analyzed:	09/18/2009 1614			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	37
1,2,4,5-Tetrachlorobenzene		ND		2.5	37
1,2,4-Trichlorobenzene		ND		7.2	37
1,2-Dichlorobenzene		ND		4.0	37
1,3-Dichlorobenzene		ND		11	37
1,4-Dichlorobenzene		ND		6.7	37
1-Methylnaphthalene		ND		2.2	37
2,2'-oxybis[1-chloropropane]		ND		3.8	37
2,3,4,6-Tetrachlorophenol		ND		2.2	37
2,4,5-Trichlorophenol		ND		4.2	37
2,4,6-Trichlorophenol		ND		7.8	37
2,4-Dichlorophenol		ND		7.2	37
2,4-Dimethylphenol		ND		6.5	37
2,4-Dinitrophenol		ND		5.5	37
2,4-Dinitrotoluene		ND		5.2	37
2,6-Dinitrotoluene		ND		4.7	37
2-Chloronaphthalene		ND		5.7	37
2-Chlorophenol		ND		3.6	37
2-Methylnaphthalene		ND		28	37
2-Methylphenol		ND		5.3	37
2-Nitroaniline		ND		24	190
2-Nitrophenol		ND		4.3	37
3 & 4 Methylphenol		ND		7.1	37
3,3'-Dichlorobenzidine		ND	*	27	74
3-Nitroaniline		ND		11	190
4,6-Dinitro-2-methylphenol		ND		9.5	190
4-Bromophenyl phenyl ether		ND		7.7	37
4-Chloro-3-methylphenol		ND		10	74
4-Chloroaniline		ND		15	74
4-Chlorophenyl phenyl ether		ND		5.9	37
4-Nitroaniline		ND		9.9	190
4-Nitrophenol		ND		7.2	190
Acenaphthene		ND		5.5	37
Acenaphthylene		ND		6.6	37
Acetophenone		5.6	J	4.0	37
Aniline		ND	*	19	37
Anthracene		ND		12	37
Atrazine		ND		11	37
Azobenzene		ND		4.6	37
Benzaldehyde		ND		11	37
Benzo[a]anthracene		ND		7.1	37
Benzo[a]pyrene		ND		6.8	37
Benzo[b]fluoranthene		ND		8.5	37
Benzo[g,h,i]perylene		ND		7.2	37
Benzo[k]fluoranthene		ND		10	37
Benzoic acid		ND		16	190

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-409-15/17-XXX**

Lab Sample ID: 360-24327-7
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 08/26/2009 1715
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49174		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48703		Lab File ID:	J03011.D
Dilution:	1.0			Initial Weight/Volume:	30.38 g
Date Analyzed:	09/18/2009 1614			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		2.2	37
Benzyl alcohol		ND		8.6	74
Bis(2-chloroethoxy)methane		ND		6.7	37
Bis(2-chloroethyl)ether		ND		9.0	37
Bis(2-ethylhexyl) phthalate		ND		12	37
Butyl benzyl phthalate		ND		8.1	37
Caprolactam		ND		11	37
Carbazole		ND		37	37
Chrysene		ND		8.0	37
Dibenz(a,h)anthracene		ND		7.5	37
Dibenzofuran		ND		22	37
Diethyl phthalate		ND		5.2	37
Dimethyl phthalate		ND		5.5	37
Di-n-butyl phthalate		15	J B	11	37
Di-n-octyl phthalate		20	J	11	37
Diphenyl oxide		ND		11	37
Fluoranthene		ND		24	37
Fluorene		ND		14	37
Hexachlorobenzene		ND		8.8	37
Hexachlorobutadiene		ND		7.4	37
Hexachlorocyclopentadiene		ND		10	74
Hexachloroethane		ND		7.1	37
Indeno[1,2,3-cd]pyrene		ND		11	37
Isophorone		ND		8.0	37
Naphthalene		ND		83	89
Nitrobenzene		ND		5.1	37
N-Nitrosodimethylamine		ND		4.3	37
N-Nitrosodi-n-propylamine		ND		4.2	37
N-Nitrosodiphenylamine		ND		7.4	37
Pentachlorophenol		ND		7.7	37
Phenanthrene		ND		43	45
Phenol		ND		4.7	37
Pyrene		ND		9.9	37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	66		30 - 130
2-Fluorobiphenyl	59		30 - 130
2-Fluorophenol	69		30 - 130
Nitrobenzene-d5	59		30 - 130
Phenol-d5	69		30 - 130
Terphenyl-d14	65		30 - 130

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-409-15/17-XXX**

Lab Sample ID: 360-24327-7
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 08/26/2009 1715
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49174		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48703		Lab File ID:	J03011.D
Dilution:	1.0			Initial Weight/Volume:	30.38 g
Date Analyzed:	09/18/2009 1614			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
128-37-0	Butylated Hydroxytoluene	9.54	23	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.57	26	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.07	21	T J N
10544-50-0	Cyclic octaatomic sulfur	12.12	52	T J N
112-61-8	Octadecanoic acid, methyl ester	12.19	18	T J N

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-410-17/19-XXX**

Lab Sample ID: 360-24327-10
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 08/27/2009 1115
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49174		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48703		Lab File ID:	J03015.D
Dilution:	1.0			Initial Weight/Volume:	30.35 g
Date Analyzed:	09/18/2009 1802			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	36
1,2,4,5-Tetrachlorobenzene		ND		2.4	36
1,2,4-Trichlorobenzene		ND		7.0	36
1,2-Dichlorobenzene		ND		3.9	36
1,3-Dichlorobenzene		ND		10	36
1,4-Dichlorobenzene		ND		6.5	36
1-Methylnaphthalene		ND		2.2	36
2,2'-oxybis[1-chloropropane]		ND		3.6	36
2,3,4,6-Tetrachlorophenol		ND		2.2	36
2,4,5-Trichlorophenol		ND		4.1	36
2,4,6-Trichlorophenol		ND		7.5	36
2,4-Dichlorophenol		ND		6.9	36
2,4-Dimethylphenol		ND		6.2	36
2,4-Dinitrophenol		ND		5.3	36
2,4-Dinitrotoluene		ND		5.1	36
2,6-Dinitrotoluene		ND		4.5	36
2-Chloronaphthalene		ND		5.5	36
2-Chlorophenol		ND		3.5	36
2-Methylnaphthalene		ND		27	36
2-Methylphenol		ND		5.1	36
2-Nitroaniline		ND		23	180
2-Nitrophenol		ND		4.2	36
3 & 4 Methylphenol		ND		6.8	36
3,3'-Dichlorobenzidine		ND	*	26	72
3-Nitroaniline		ND		10	180
4,6-Dinitro-2-methylphenol		ND		9.2	180
4-Bromophenyl phenyl ether		ND		7.5	36
4-Chloro-3-methylphenol		ND		9.9	72
4-Chloroaniline		ND		15	72
4-Chlorophenyl phenyl ether		ND		5.7	36
4-Nitroaniline		ND		9.6	180
4-Nitrophenol		ND		7.0	180
Acenaphthene		ND		5.3	36
Acenaphthylene		ND		6.3	36
Acetophenone		ND		3.9	36
Aniline		ND	*	19	36
Anthracene		ND		11	36
Atrazine		ND		11	36
Azobenzene		ND		4.5	36
Benzaldehyde		ND		11	36
Benzo[a]anthracene		9.0	J	6.9	36
Benzo[a]pyrene		12	J	6.6	36
Benzo[b]fluoranthene		12	J	8.2	36
Benzo[g,h,i]perylene		ND		7.0	36
Benzo[k]fluoranthene		ND		10	36
Benzoic acid		ND		15	180

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-410-17/19-XXX**

Lab Sample ID: 360-24327-10
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 08/27/2009 1115
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49174		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48703		Lab File ID:	J03015.D
Dilution:	1.0			Initial Weight/Volume:	30.35 g
Date Analyzed:	09/18/2009 1802			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		2.2	36
Benzyl alcohol		ND		8.3	72
Bis(2-chloroethoxy)methane		ND		6.5	36
Bis(2-chloroethyl)ether		ND		8.7	36
Bis(2-ethylhexyl) phthalate		ND		11	36
Butyl benzyl phthalate		ND		7.8	36
Caprolactam		ND		11	36
Carbazole		ND		36	36
Chrysene		8.1	J	7.7	36
Dibenz(a,h)anthracene		ND		7.2	36
Dibenzofuran		ND		21	36
Diethyl phthalate		ND		5.1	36
Dimethyl phthalate		ND		5.3	36
Di-n-butyl phthalate		16	J B	11	36
Di-n-octyl phthalate		ND		10	36
Diphenyl oxide		ND		11	36
Fluoranthene		ND		23	36
Fluorene		ND		14	36
Hexachlorobenzene		ND		8.5	36
Hexachlorobutadiene		ND		7.2	36
Hexachlorocyclopentadiene		ND		9.8	72
Hexachloroethane		ND		6.9	36
Indeno[1,2,3-cd]pyrene		ND		11	36
Isophorone		ND		7.7	36
Naphthalene		ND		80	86
Nitrobenzene		ND		4.9	36
N-Nitrosodimethylamine		ND		4.2	36
N-Nitrosodi-n-propylamine		ND		4.1	36
N-Nitrosodiphenylamine		ND		7.2	36
Pentachlorophenol		ND		7.4	36
Phenanthrene		ND		41	43
Phenol		ND		4.5	36
Pyrene		ND		9.5	36

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	63		30 - 130
2-Fluorobiphenyl	61		30 - 130
2-Fluorophenol	71		30 - 130
Nitrobenzene-d5	62		30 - 130
Phenol-d5	70		30 - 130
Terphenyl-d14	60		30 - 130

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-410-17/19-XXX**

Lab Sample ID: 360-24327-10
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 08/27/2009 1115
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49174		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48703		Lab File ID:	J03015.D
Dilution:	1.0			Initial Weight/Volume:	30.35 g
Date Analyzed:	09/18/2009 1802			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
5989-27-5	D-Limonene	6.57	19	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.57	14	T J N

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-418-15/17-XXX**

Lab Sample ID: 360-24327-16
Client Matrix: Solid
% Moisture: 9.9

Date Sampled: 08/27/2009 0900
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49174		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48703		Lab File ID:	J03023.D
Dilution:	1.0			Initial Weight/Volume:	30.04 g
Date Analyzed:	09/18/2009 2140			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	37
1,2,4,5-Tetrachlorobenzene		ND		2.5	37
1,2,4-Trichlorobenzene		ND		7.2	37
1,2-Dichlorobenzene		ND		4.0	37
1,3-Dichlorobenzene		ND		11	37
1,4-Dichlorobenzene		ND		6.7	37
1-Methylnaphthalene		ND		2.2	37
2,2'-oxybis[1-chloropropane]		ND		3.7	37
2,3,4,6-Tetrachlorophenol		ND		2.2	37
2,4,5-Trichlorophenol		ND		4.2	37
2,4,6-Trichlorophenol		ND		7.7	37
2,4-Dichlorophenol		ND		7.1	37
2,4-Dimethylphenol		ND		6.4	37
2,4-Dinitrophenol		ND		5.4	37
2,4-Dinitrotoluene		ND		5.2	37
2,6-Dinitrotoluene		ND		4.7	37
2-Chloronaphthalene		ND		5.7	37
2-Chlorophenol		ND		3.6	37
2-Methylnaphthalene		ND		28	37
2-Methylphenol		ND		5.3	37
2-Nitroaniline		ND		24	180
2-Nitrophenol		ND		4.3	37
3 & 4 Methylphenol		ND		7.0	37
3,3'-Dichlorobenzidine		ND	*	27	74
3-Nitroaniline		ND		11	180
4,6-Dinitro-2-methylphenol		ND		9.4	180
4-Bromophenyl phenyl ether		ND		7.7	37
4-Chloro-3-methylphenol		ND		10	74
4-Chloroaniline		ND		15	74
4-Chlorophenyl phenyl ether		ND		5.9	37
4-Nitroaniline		ND		9.8	180
4-Nitrophenol		ND		7.2	180
Acenaphthene		ND		5.4	37
Acenaphthylene		ND		6.5	37
Acetophenone		ND		4.0	37
Aniline		ND	*	19	37
Anthracene		ND		12	37
Atrazine		ND		11	37
Azobenzene		ND		4.6	37
Benzaldehyde		ND		11	37
Benzo[a]anthracene		ND		7.1	37
Benzo[a]pyrene		ND		6.8	37
Benzo[b]fluoranthene		ND		8.5	37
Benzo[g,h,i]perylene		ND		7.2	37
Benzo[k]fluoranthene		ND		10	37
Benzoic acid		ND		16	180

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-418-15/17-XXX**

Lab Sample ID: 360-24327-16
Client Matrix: Solid
% Moisture: 9.9

Date Sampled: 08/27/2009 0900
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49174		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48703		Lab File ID:	J03023.D
Dilution:	1.0			Initial Weight/Volume:	30.04 g
Date Analyzed:	09/18/2009 2140			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		2.2	37
Benzyl alcohol		ND		8.5	74
Bis(2-chloroethoxy)methane		ND		6.6	37
Bis(2-chloroethyl)ether		ND		9.0	37
Bis(2-ethylhexyl) phthalate		ND		12	37
Butyl benzyl phthalate		ND		8.1	37
Caprolactam		ND		11	37
Carbazole		ND		37	37
Chrysene		ND		8.0	37
Dibenz(a,h)anthracene		ND		7.5	37
Dibenzofuran		ND		21	37
Diethyl phthalate		ND		5.2	37
Dimethyl phthalate		ND		5.4	37
Di-n-butyl phthalate		ND		11	37
Di-n-octyl phthalate		ND		10	37
Diphenyl oxide		ND		11	37
Fluoranthene		ND		23	37
Fluorene		ND		14	37
Hexachlorobenzene		ND		8.8	37
Hexachlorobutadiene		ND		7.4	37
Hexachlorocyclopentadiene		ND		10	74
Hexachloroethane		ND		7.0	37
Indeno[1,2,3-cd]pyrene		ND		11	37
Isophorone		ND		7.9	37
Naphthalene		ND		82	89
Nitrobenzene		ND		5.0	37
N-Nitrosodimethylamine		ND		4.3	37
N-Nitrosodi-n-propylamine		ND		4.2	37
N-Nitrosodiphenylamine		ND		7.4	37
Pentachlorophenol		ND		7.6	37
Phenanthrene		ND		43	44
Phenol		ND		4.6	37
Pyrene		ND		9.8	37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	62		30 - 130
2-Fluorobiphenyl	61		30 - 130
2-Fluorophenol	64		30 - 130
Nitrobenzene-d5	58		30 - 130
Phenol-d5	64		30 - 130
Terphenyl-d14	60		30 - 130

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-418-15/17-XXX**

Lab Sample ID: 360-24327-16
Client Matrix: Solid
% Moisture: 9.9

Date Sampled: 08/27/2009 0900
Date Received: 08/27/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49174		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48703		Lab File ID:	J03023.D
Dilution:	1.0			Initial Weight/Volume:	30.04 g
Date Analyzed:	09/18/2009 2140			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	5.34	16	T J
128-37-0	Butylated Hydroxytoluene	9.54	12	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	10.10	22	T J N
	Unknown	10.47	17	T J
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.57	14	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.07	11	T J N

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-403-13/15-XXX**

Lab Sample ID: 360-24327-2
Client Matrix: Solid
% Moisture: 20.3

Date Sampled: 08/26/2009 1340
Date Received: 08/27/2009 1710

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/23/2009 1553
Date Prepared: 09/23/2009 0907

Analysis Batch: 360-49406
Prep Batch: 360-49332

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.95 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3000		0.84	3.2
Antimony		ND		0.23	0.64
Arsenic		1.2	J	0.12	1.3
Barium		7.5		0.084	0.64
Beryllium		0.090	J	0.032	0.26
Cadmium		0.049	J	0.0090	0.26
Calcium		550	B	3.2	13
Chromium		5.3	B	0.086	0.64
Cobalt		1.6		0.084	0.64
Copper		4.9	B	0.084	1.3
Iron		3100	B	1.0	6.4
Lead		1.5	B	0.073	0.64
Magnesium		890	B	0.64	13
Manganese		32		0.086	1.3
Nickel		4.8		0.084	1.3
Potassium		620		40	260
Selenium		ND		0.30	0.64
Silver		ND		0.065	0.64
Sodium		28	J B	17	130
Thallium		ND		0.093	1.3
Vanadium		5.0		0.084	1.3
Zinc		8.1		0.76	3.2
Tin		1.8	J ^ B	0.41	6.4

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-404-13/15-XXX**

Lab Sample ID: 360-24327-4
Client Matrix: Solid
% Moisture: 6.5

Date Sampled: 08/26/2009 1540
Date Received: 08/27/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49406		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49332		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	2.00 g
Date Analyzed:	09/23/2009 1556			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2009 0907				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10000		0.70	2.7
Antimony		ND		0.19	0.53
Arsenic		2.2		0.098	1.1
Barium		13		0.070	0.53
Beryllium		0.38		0.027	0.21
Cadmium		0.26		0.0075	0.21
Calcium		1400	B	2.7	11
Chromium		11	B	0.071	0.53
Cobalt		6.0		0.070	0.53
Copper		12	B	0.070	1.1
Iron		16000	B	0.85	5.3
Lead		4.1	B	0.061	0.53
Magnesium		5300	B	0.53	11
Manganese		200		0.071	1.1
Nickel		10		0.070	1.1
Potassium		930		33	210
Selenium		ND		0.25	0.53
Silver		ND		0.054	0.53
Sodium		14	J B	14	110
Thallium		ND		0.077	1.1
Vanadium		26		0.070	1.1
Zinc		34		0.63	2.7
Tin		3.3	J ^ B	0.34	5.3

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-409-15/17-XXX**

Lab Sample ID: 360-24327-7
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 08/26/2009 1715
Date Received: 08/27/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49406		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49332		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.73 g
Date Analyzed:	09/23/2009 1559			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2009 0907				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10000		0.85	3.3
Antimony		ND		0.24	0.65
Arsenic		4.7		0.12	1.3
Barium		55		0.085	0.65
Beryllium		0.35		0.033	0.26
Cadmium		0.39		0.0091	0.26
Calcium		2800	B	3.3	13
Chromium		22	B	0.087	0.65
Cobalt		14		0.085	0.65
Copper		25	B	0.085	1.3
Iron		23000	B	1.0	6.5
Lead		0.75	B	0.075	0.65
Magnesium		6900	B	0.65	13
Manganese		180		0.087	1.3
Nickel		18		0.085	1.3
Potassium		2500		41	260
Selenium		ND		0.31	0.65
Silver		ND		0.066	0.65
Sodium		210	B	17	130
Thallium		ND		0.094	1.3
Vanadium		33		0.085	1.3
Zinc		17		0.77	3.3
Tin		7.3	^ B	0.42	6.5

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-410-17/19-XXX**

Lab Sample ID: 360-24327-10
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 08/27/2009 1115
Date Received: 08/27/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49406		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49332		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.64 g
Date Analyzed:	09/23/2009 1602			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2009 0907				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9500		0.86	3.3
Antimony		ND		0.24	0.66
Arsenic		1.8		0.12	1.3
Barium		38		0.086	0.66
Beryllium		0.23	J	0.033	0.27
Cadmium		0.27		0.0093	0.27
Calcium		4100	B	3.3	13
Chromium		20	B	0.088	0.66
Cobalt		12		0.086	0.66
Copper		34	B	0.086	1.3
Iron		15000	B	1.1	6.6
Lead		1.8	B	0.076	0.66
Magnesium		7300	B	0.66	13
Manganese		150		0.089	1.3
Nickel		16		0.086	1.3
Potassium		2000		42	270
Selenium		ND		0.31	0.66
Silver		ND		0.067	0.66
Sodium		270	B	17	130
Thallium		ND		0.096	1.3
Vanadium		28		0.086	1.3
Zinc		17		0.78	3.3
Tin		6.7	^ B	0.43	6.6

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Client Sample ID: **OC-SB-418-15/17-XXX**

Lab Sample ID: 360-24327-16
Client Matrix: Solid
% Moisture: 9.9

Date Sampled: 08/27/2009 0900
Date Received: 08/27/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49406		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49332		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.60 g
Date Analyzed:	09/23/2009 1605			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2009 0907				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9100		0.90	3.5
Antimony		ND		0.25	0.69
Arsenic		2.8		0.13	1.4
Barium		27		0.090	0.69
Beryllium		0.24	J	0.035	0.28
Cadmium		0.24	J	0.0097	0.28
Calcium		3400	B	3.5	14
Chromium		29	B	0.092	0.69
Cobalt		7.6		0.090	0.69
Copper		43	B	0.090	1.4
Iron		16000	B	1.1	6.9
Lead		1.2	B	0.079	0.69
Magnesium		4300	B	0.69	14
Manganese		110		0.093	1.4
Nickel		15		0.090	1.4
Potassium		1200		43	280
Selenium		ND		0.32	0.69
Silver		ND		0.070	0.69
Sodium		160	B	18	140
Thallium		ND		0.10	1.4
Vanadium		27		0.090	1.4
Zinc		17		0.82	3.5
Tin		10	^ B	0.44	6.9

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

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
360-24327-2	OC-SB-403-13/15-XXX	72	60	66	63	52	82
360-24327-4	OC-SB-404-13/15-XXX	77	74	67	68	77	87
360-24327-7	OC-SB-409-15/17-XXX	69	69	59	59	66	65
360-24327-10	OC-SB-410-17/19-XXX	71	70	62	61	63	60
360-24327-16	OC-SB-418-15/17-XXX	64	64	58	61	62	60
MB 360-48691/1-A		85	83	75	73	72	77
MB 360-48703/1-A		79	78	67	67	71	80
LCS 360-48691/2-A		65	70	76	76	81	75
LCS 360-48703/2-A		57	57	63	62	68	61
LCSD 360-48691/3-A		62	65	68	72	73	68
LCSD 360-48703/3-A		57	58	65	62	70	62

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: 360-24327-2
Sdg Number: OCRI-07A

Method Blank - Batch: 360-48691

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48691/1-A	Analysis Batch:	360-49098	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48691	Lab File ID:	B10373.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/17/2009 1948			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1206			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		10	33
1,2,4,5-Tetrachlorobenzene	ND		2.2	33
1,2,4-Trichlorobenzene	ND		6.5	33
1,2-Dichlorobenzene	ND		3.6	33
1,3-Dichlorobenzene	ND		9.7	33
1,4-Dichlorobenzene	ND		6.0	33
1-Methylnaphthalene	ND		2.0	33
2,2'-oxybis[1-chloropropane]	ND		3.4	33
2,3,4,6-Tetrachlorophenol	ND		2.0	33
2,4,5-Trichlorophenol	ND		3.8	33
2,4,6-Trichlorophenol	ND		7.0	33
2,4-Dichlorophenol	ND		6.4	33
2,4-Dimethylphenol	ND		5.8	33
2,4-Dinitrophenol	ND		4.9	33
2,4-Dinitrotoluene	ND		4.7	33
2,6-Dinitrotoluene	ND		4.2	33
2-Chloronaphthalene	ND		5.1	33
2-Chlorophenol	ND		3.3	33
2-Methylnaphthalene	ND		25	33
2-Methylphenol	ND		4.8	33
2-Nitroaniline	ND		21	170
2-Nitrophenol	ND		3.9	33
3 & 4 Methylphenol	ND		6.3	33
3,3'-Dichlorobenzidine	ND		24	67
3-Nitroaniline	ND		9.5	170
4,6-Dinitro-2-methylphenol	ND		8.5	170
4-Bromophenyl phenyl ether	ND		6.9	33
4-Chloro-3-methylphenol	ND		9.2	67
4-Chloroaniline	ND		14	67
4-Chlorophenyl phenyl ether	ND		5.3	33
4-Nitroaniline	ND		8.9	170
4-Nitrophenol	ND		6.5	170
Acenaphthene	ND		4.9	33
Acenaphthylene	ND		5.9	33
Acetophenone	ND		3.6	33
Aniline	ND		17	33
Anthracene	ND		11	33
Atrazine	ND		10	33
Azobenzene	ND		4.1	33
Benzaldehyde	ND		10	33
Benzo[a]anthracene	ND		6.4	33

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Method Blank - Batch: 360-48691

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48691/1-A	Analysis Batch:	360-49098	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48691	Lab File ID:	B10373.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/17/2009 1948			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1206			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
Benzo[a]pyrene	ND		6.1	33
Benzo[b]fluoranthene	ND		7.6	33
Benzo[g,h,i]perylene	ND		6.5	33
Benzo[k]fluoranthene	ND		9.2	33
Benzoic acid	71.7	J	14	170
Benzophenone	ND		2.0	33
Benzyl alcohol	ND		7.7	67
Bis(2-chloroethoxy)methane	ND		6.0	33
Bis(2-chloroethyl)ether	ND		8.1	33
Bis(2-ethylhexyl) phthalate	ND		11	33
Butyl benzyl phthalate	ND		7.3	33
Caprolactam	ND		10	33
Carbazole	ND		33	33
Chrysene	ND		7.2	33
Dibenz(a,h)anthracene	ND		6.7	33
Dibenzofuran	ND		19	33
Diethyl phthalate	ND		4.7	33
Dimethyl phthalate	ND		4.9	33
Di-n-butyl phthalate	77.0		10	33
Di-n-octyl phthalate	ND		9.4	33
Diphenyl oxide	ND		10	33
Fluoranthene	ND		21	33
Fluorene	ND		13	33
Hexachlorobenzene	ND		7.9	33
Hexachlorobutadiene	ND		6.6	33
Hexachlorocyclopentadiene	ND		9.1	67
Hexachloroethane	ND		6.4	33
Indeno[1,2,3-cd]pyrene	ND		10	33
Isophorone	ND		7.1	33
Naphthalene	ND		74	80
Nitrobenzene	ND		4.5	33
N-Nitrosodimethylamine	ND		3.9	33
N-Nitrosodi-n-propylamine	ND		3.8	33
N-Nitrosodiphenylamine	ND		6.7	33
Pentachlorophenol	ND		6.9	33
Phenanthrene	ND		38	40
Phenol	ND		4.2	33
Pyrene	ND		8.8	33

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	72	30 - 130

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	73	30 - 130
2-Fluorophenol	85	30 - 130
Nitrobenzene-d5	75	30 - 130
Phenol-d5	83	30 - 130
Terphenyl-d14	77	30 - 130

Method Blank TICs- Batch: 360-48691

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	11.77	168	T J
593-45-3	Octadecane	11.90	48.4	T J N

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48691

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48691/2-A	Analysis Batch:	360-49098	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48691	Lab File ID:	B10374.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/17/2009 2022			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1206			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48691/3-A	Analysis Batch:	360-49098	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48691	Lab File ID:	B10375.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/17/2009 2056			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1206			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	83	79	40 - 140	4	30		
1,2,4,5-Tetrachlorobenzene	81	77	40 - 140	5	30		
1,2,4-Trichlorobenzene	75	72	40 - 140	4	30		
1,2-Dichlorobenzene	62	64	40 - 140	4	30		
1,3-Dichlorobenzene	59	61	40 - 140	3	30		
1,4-Dichlorobenzene	58	60	40 - 140	3	30		
1-Methylnaphthalene	85	77	40 - 140	9	30		
2,2'-oxybis[1-chloropropane]	62	64	40 - 140	3	30		
2,3,4,6-Tetrachlorophenol	74	70	40 - 140	5	30		
2,4,5-Trichlorophenol	94	93	30 - 130	1	30		
2,4,6-Trichlorophenol	93	90	30 - 130	2	30		
2,4-Dichlorophenol	95	92	30 - 130	3	30		
2,4-Dimethylphenol	112	106	30 - 130	6	30		
2,4-Dinitrophenol	67	63	30 - 130	6	30		
2,4-Dinitrotoluene	79	77	40 - 140	2	30		
2,6-Dinitrotoluene	86	85	40 - 140	1	30		
2-Chloronaphthalene	63	64	40 - 140	2	30		
2-Chlorophenol	67	68	30 - 130	2	30		
2-Methylnaphthalene	84	81	40 - 140	3	30		
2-Methylphenol	75	75	30 - 130	0	30		
2-Nitroaniline	87	87	40 - 140	0	30		
2-Nitrophenol	91	89	30 - 130	2	30		
3 & 4 Methylphenol	75	75	30 - 130	1	30		
3,3'-Dichlorobenzidine	32	31	40 - 140	5	30	*	*
3-Nitroaniline	78	75	40 - 140	4	30		
4,6-Dinitro-2-methylphenol	92	90	30 - 130	3	30		
4-Bromophenyl phenyl ether	89	87	40 - 140	3	30		
4-Chloro-3-methylphenol	103	99	30 - 130	5	30		
4-Chloroaniline	78	74	40 - 140	4	30		
4-Chlorophenyl phenyl ether	85	85	40 - 140	0	30		
4-Nitroaniline	90	90	40 - 140	1	30		
4-Nitrophenol	93	91	30 - 130	2	30		

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48691

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48691/2-A	Analysis Batch:	360-49098	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48691	Lab File ID:	B10374.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/17/2009 2022			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1206			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48691/3-A	Analysis Batch:	360-49098	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48691	Lab File ID:	B10375.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/17/2009 2056			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1206			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	95	95	40 - 140	1	30		
Acenaphthylene	82	84	40 - 140	2	30		
Acetophenone	67	68	40 - 140	2	30		
Aniline	31	32	40 - 140	4	30	*	*
Anthracene	101	99	40 - 140	2	30		
Atrazine	111	99	40 - 140	12	30		
Azobenzene	88	84	40 - 140	5	30		
Benzaldehyde	142	136	40 - 140	5	30	*	
Benzo[a]anthracene	105	100	40 - 140	5	30		
Benzo[a]pyrene	94	88	40 - 140	7	30		
Benzo[b]fluoranthene	99	91	40 - 140	9	30		
Benzo[g,h,i]perylene	89	91	40 - 140	2	30		
Benzo[k]fluoranthene	105	98	40 - 140	7	30		
Benzoic acid	61	67	30 - 130	9	30		
Benzophenone	93	85	40 - 140	8	30		
Benzyl alcohol	71	71	30 - 130	0	30		
Bis(2-chloroethoxy)methane	81	78	40 - 140	4	30		
Bis(2-chloroethyl)ether	37	62	40 - 140	50	30	*	*
Bis(2-ethylhexyl) phthalate	95	91	40 - 140	4	30		
Butyl benzyl phthalate	94	89	40 - 140	5	30		
Caprolactam	107	95	40 - 140	12	30		
Carbazole	100	97	40 - 140	3	30		
Chrysene	101	96	40 - 140	4	30		
Dibenz(a,h)anthracene	85	88	40 - 140	4	30		
Dibenzofuran	83	83	40 - 140	0	30		
Diethyl phthalate	87	86	40 - 140	1	30		
Dimethyl phthalate	83	82	40 - 140	1	30		
Di-n-butyl phthalate	104	102	40 - 140	2	30		
Di-n-octyl phthalate	86	78	40 - 140	9	30		
Diphenyl oxide	86	79	40 - 140	9	30		
Fluoranthene	94	90	40 - 140	4	30		
Fluorene	101	100	40 - 140	1	30		

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48691

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48691/2-A	Analysis Batch:	360-49098	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48691	Lab File ID:	B10374.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/17/2009 2022			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1206			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48691/3-A	Analysis Batch:	360-49098	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48691	Lab File ID:	B10375.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/17/2009 2056			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1206			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hexachlorobenzene	91	87	40 - 140	4	30		
Hexachlorobutadiene	78	75	40 - 140	4	30		
Hexachlorocyclopentadiene	78	77	40 - 140	1	30		
Hexachloroethane	61	64	40 - 140	4	30		
Indeno[1,2,3-cd]pyrene	99	101	40 - 140	2	30		
Isophorone	74	71	40 - 140	5	30		
Naphthalene	96	92	40 - 140	5	30		
Nitrobenzene	80	78	40 - 140	3	30		
N-Nitrosodimethylamine	64	66	40 - 140	4	30		
N-Nitrosodi-n-propylamine	69	71	40 - 140	3	30		
N-Nitrosodiphenylamine	65	63	40 - 140	3	30		
Pentachlorophenol	91	87	30 - 130	3	30		
Phenanthrene	91	89	40 - 140	2	30		
Phenol	71	71	30 - 130	1	30		
Pyrene	93	89	40 - 140	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	81	73	30 - 130
2-Fluorobiphenyl	76	72	30 - 130
2-Fluorophenol	65	62	30 - 130
Nitrobenzene-d5	76	68	30 - 130
Phenol-d5	70	65	30 - 130
Terphenyl-d14	75	68	30 - 130

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48691

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48691/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48691/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/17/2009 2022			Date Analyzed:	09/17/2009 2056
Date Prepared:	09/08/2009 1206			Date Prepared:	09/08/2009 1206

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1'-Biphenyl	333	333	276		264	
1,2,4,5-Tetrachlorobenzene	333	333	272		258	
1,2,4-Trichlorobenzene	333	333	251		241	
1,2-Dichlorobenzene	333	333	205		214	
1,3-Dichlorobenzene	333	333	197		203	
1,4-Dichlorobenzene	333	333	194		200	
1-Methylnaphthalene	333	333	283		258	
2,2'-oxybis[1-chloropropane]	333	333	208		215	
2,3,4,6-Tetrachlorophenol	333	333	246		233	
2,4,5-Trichlorophenol	333	333	314		310	
2,4,6-Trichlorophenol	333	333	309		301	
2,4-Dichlorophenol	333	333	317		307	
2,4-Dimethylphenol	333	333	373		352	
2,4-Dinitrophenol	333	333	223		210	
2,4-Dinitrotoluene	333	333	264		258	
2,6-Dinitrotoluene	333	333	288		285	
2-Chloronaphthalene	333	333	211		214	
2-Chlorophenol	333	333	223		228	
2-Methylnaphthalene	333	333	279		271	
2-Methylphenol	333	333	251		249	
2-Nitroaniline	333	333	290		292	
2-Nitrophenol	333	333	303		295	
3 & 4 Methylphenol	333	333	249		251	
3,3'-Dichlorobenzidine	333	333	108	*	103	*
3-Nitroaniline	333	333	260		249	
4,6-Dinitro-2-methylphenol	333	333	308		300	
4-Bromophenyl phenyl ether	333	333	298		290	
4-Chloro-3-methylphenol	333	333	344		329	
4-Chloroaniline	333	333	259		248	
4-Chlorophenyl phenyl ether	333	333	285		284	
4-Nitroaniline	333	333	300		298	
4-Nitrophenol	333	333	309		304	
Acenaphthene	333	333	316		318	
Acenaphthylene	333	333	273		279	
Acetophenone	333	333	222		227	
Aniline	333	333	102	*	107	*
Anthracene	333	333	338		331	
Atrazine	333	333	370		330	
Azobenzene	333	333	295		281	

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48691

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48691/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48691/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/17/2009 2022			Date Analyzed:	09/17/2009 2056
Date Prepared:	09/08/2009 1206			Date Prepared:	09/08/2009 1206

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Benzaldehyde	333	333	474	*	453	
Benzo[a]anthracene	333	333	350		333	
Benzo[a]pyrene	333	333	314		292	
Benzo[b]fluoranthene	333	333	329		302	
Benzo[g,h,i]perylene	333	333	297		304	
Benzo[k]fluoranthene	333	333	349		327	
Benzoic acid	333	333	203		222	
Benzophenone	333	333	309		285	
Benzyl alcohol	333	333	236		236	
Bis(2-chloroethoxy)methane	333	333	270		259	
Bis(2-chloroethyl)ether	333	333	124	*	205	*
Bis(2-ethylhexyl) phthalate	333	333	316		303	
Butyl benzyl phthalate	333	333	313		297	
Caprolactam	333	333	357		316	
Carbazole	333	333	333		323	
Chrysene	333	333	335		320	
Dibenz(a,h)anthracene	333	333	282		293	
Dibenzofuran	333	333	277		276	
Diethyl phthalate	333	333	290		287	
Dimethyl phthalate	333	333	278		275	
Di-n-butyl phthalate	333	333	346		340	
Di-n-octyl phthalate	333	333	285		260	
Diphenyl oxide	333	333	288		263	
Fluoranthene	333	333	312		300	
Fluorene	333	333	337		334	
Hexachlorobenzene	333	333	302		291	
Hexachlorobutadiene	333	333	260		250	
Hexachlorocyclopentadiene	333	333	261		258	
Hexachloroethane	333	333	205		213	
Indeno[1,2,3-cd]pyrene	333	333	329		337	
Isophorone	333	333	247		235	
Naphthalene	333	333	322		307	
Nitrobenzene	333	333	267		259	
N-Nitrosodimethylamine	333	333	212		220	
N-Nitrosodi-n-propylamine	333	333	230		237	
N-Nitrosodiphenylamine	333	333	216		209	
Pentachlorophenol	333	333	302		292	
Phenanthrene	333	333	305		298	
Phenol	333	333	236		238	

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48691

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48691/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48691/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/17/2009 2022			Date Analyzed:	09/17/2009 2056
Date Prepared:	09/08/2009 1206			Date Prepared:	09/08/2009 1206

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Pyrene	333	333	310	296

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Method Blank - Batch: 360-48703

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48703/1-A	Analysis Batch:	360-49174	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48703	Lab File ID:	J03008.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/18/2009 1453			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	ND		10	33
1,2,4,5-Tetrachlorobenzene	ND		2.2	33
1,2,4-Trichlorobenzene	ND		6.5	33
1,2-Dichlorobenzene	ND		3.6	33
1,3-Dichlorobenzene	ND		9.7	33
1,4-Dichlorobenzene	ND		6.0	33
1-Methylnaphthalene	ND		2.0	33
2,2'-oxybis[1-chloropropane]	ND		3.4	33
2,3,4,6-Tetrachlorophenol	ND		2.0	33
2,4,5-Trichlorophenol	ND		3.8	33
2,4,6-Trichlorophenol	ND		7.0	33
2,4-Dichlorophenol	ND		6.4	33
2,4-Dimethylphenol	ND		5.8	33
2,4-Dinitrophenol	ND		4.9	33
2,4-Dinitrotoluene	ND		4.7	33
2,6-Dinitrotoluene	ND		4.2	33
2-Chloronaphthalene	ND		5.1	33
2-Chlorophenol	ND		3.3	33
2-Methylnaphthalene	ND		25	33
2-Methylphenol	ND		4.8	33
2-Nitroaniline	ND		21	170
2-Nitrophenol	ND		3.9	33
3 & 4 Methylphenol	ND		6.3	33
3,3'-Dichlorobenzidine	ND		24	67
3-Nitroaniline	ND		9.5	170
4,6-Dinitro-2-methylphenol	ND		8.5	170
4-Bromophenyl phenyl ether	ND		6.9	33
4-Chloro-3-methylphenol	ND		9.2	67
4-Chloroaniline	ND		14	67
4-Chlorophenyl phenyl ether	ND		5.3	33
4-Nitroaniline	ND		8.9	170
4-Nitrophenol	ND		6.5	170
Acenaphthene	ND		4.9	33
Acenaphthylene	ND		5.9	33
Acetophenone	ND		3.6	33
Aniline	ND		17	33
Anthracene	ND		11	33
Atrazine	ND		10	33
Azobenzene	ND		4.1	33
Benzaldehyde	ND		10	33
Benzo[a]anthracene	ND		6.4	33

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Method Blank - Batch: 360-48703

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48703/1-A	Analysis Batch:	360-49174	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48703	Lab File ID:	J03008.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/18/2009 1453			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
Benzo[a]pyrene	ND		6.1	33
Benzo[b]fluoranthene	ND		7.6	33
Benzo[g,h,i]perylene	ND		6.5	33
Benzo[k]fluoranthene	ND		9.2	33
Benzoic acid	77.0	J	14	170
Benzophenone	ND		2.0	33
Benzyl alcohol	ND		7.7	67
Bis(2-chloroethoxy)methane	ND		6.0	33
Bis(2-chloroethyl)ether	ND		8.1	33
Bis(2-ethylhexyl) phthalate	ND		11	33
Butyl benzyl phthalate	ND		7.3	33
Caprolactam	ND		10	33
Carbazole	ND		33	33
Chrysene	ND		7.2	33
Dibenz(a,h)anthracene	ND		6.7	33
Dibenzofuran	ND		19	33
Diethyl phthalate	ND		4.7	33
Dimethyl phthalate	ND		4.9	33
Di-n-butyl phthalate	97.6		10	33
Di-n-octyl phthalate	ND		9.4	33
Diphenyl oxide	ND		10	33
Fluoranthene	ND		21	33
Fluorene	ND		13	33
Hexachlorobenzene	ND		7.9	33
Hexachlorobutadiene	ND		6.6	33
Hexachlorocyclopentadiene	ND		9.1	67
Hexachloroethane	ND		6.4	33
Indeno[1,2,3-cd]pyrene	ND		10	33
Isophorone	ND		7.1	33
Naphthalene	ND		74	80
Nitrobenzene	ND		4.5	33
N-Nitrosodimethylamine	ND		3.9	33
N-Nitrosodi-n-propylamine	ND		3.8	33
N-Nitrosodiphenylamine	ND		6.7	33
Pentachlorophenol	ND		6.9	33
Phenanthrene	ND		38	40
Phenol	ND		4.2	33
Pyrene	ND		8.8	33

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

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	67	30 - 130
2-Fluorophenol	79	30 - 130
Nitrobenzene-d5	67	30 - 130
Phenol-d5	78	30 - 130
Terphenyl-d14	80	30 - 130

Method Blank TICs- Batch: 360-48703

Cas Number	Analyte	RT	Est. Result	Qual
122-99-6	Ethanol, 2-phenoxy-	7.94	214	T J N
	Unknown	10.63	193	T J
593-45-3	Octadecane	10.89	36.5	T J N
	Unknown	13.45	233	T J

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48703

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48703/2-A	Analysis Batch:	360-49174	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48703	Lab File ID:	J03009.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/18/2009 1520			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48703/3-A	Analysis Batch:	360-49174	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48703	Lab File ID:	J03010.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/18/2009 1547			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	65	65	40 - 140	0	30		
1,2,4,5-Tetrachlorobenzene	61	63	40 - 140	3	30		
1,2,4-Trichlorobenzene	55	57	40 - 140	3	30		
1,2-Dichlorobenzene	50	50	40 - 140	1	30		
1,3-Dichlorobenzene	49	50	40 - 140	3	30		
1,4-Dichlorobenzene	49	50	40 - 140	2	30		
1-Methylnaphthalene	63	63	40 - 140	1	30		
2,2'-oxybis[1-chloropropane]	54	55	40 - 140	2	30		
2,3,4,6-Tetrachlorophenol	64	66	40 - 140	3	30		
2,4,5-Trichlorophenol	75	75	30 - 130	0	30		
2,4,6-Trichlorophenol	76	81	30 - 130	7	30		
2,4-Dichlorophenol	70	72	30 - 130	4	30		
2,4-Dimethylphenol	85	88	30 - 130	3	30		
2,4-Dinitrophenol	51	49	30 - 130	4	30		
2,4-Dinitrotoluene	67	69	40 - 140	4	30		
2,6-Dinitrotoluene	69	72	40 - 140	5	30		
2-Chloronaphthalene	50	51	40 - 140	2	30		
2-Chlorophenol	57	58	30 - 130	2	30		
2-Methylnaphthalene	63	65	40 - 140	3	30		
2-Methylphenol	61	62	30 - 130	1	30		
2-Nitroaniline	65	68	40 - 140	5	30		
2-Nitrophenol	60	63	30 - 130	5	30		
3 & 4 Methylphenol	64	64	30 - 130	1	30		
3,3'-Dichlorobenzidine	32	33	40 - 140	3	30	*	*
3-Nitroaniline	77	78	40 - 140	2	30		
4,6-Dinitro-2-methylphenol	54	54	30 - 130	1	30		
4-Bromophenyl phenyl ether	67	69	40 - 140	3	30		
4-Chloro-3-methylphenol	75	80	30 - 130	7	30		
4-Chloroaniline	62	66	40 - 140	5	30		
4-Chlorophenyl phenyl ether	66	69	40 - 140	4	30		
4-Nitroaniline	69	73	40 - 140	6	30		
4-Nitrophenol	91	98	30 - 130	8	30		

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48703

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48703/2-A	Analysis Batch:	360-49174	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48703	Lab File ID:	J03009.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/18/2009 1520			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48703/3-A	Analysis Batch:	360-49174	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48703	Lab File ID:	J03010.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/18/2009 1547			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	73	75	40 - 140	4	30		
Acenaphthylene	68	71	40 - 140	4	30		
Acetophenone	59	59	40 - 140	1	30		
Aniline	26	27	40 - 140	2	30	*	*
Anthracene	82	84	40 - 140	3	30		
Atrazine	76	77	40 - 140	2	30		
Azobenzene	72	73	40 - 140	2	30		
Benzaldehyde	59	59	40 - 140	1	30		
Benzo[a]anthracene	82	87	40 - 140	6	30		
Benzo[a]pyrene	76	79	40 - 140	4	30		
Benzo[b]fluoranthene	67	72	40 - 140	7	30		
Benzo[g,h,i]perylene	97	97	40 - 140	0	30		
Benzo[k]fluoranthene	76	78	40 - 140	4	30		
Benzoic acid	47	46	30 - 130	2	30	J	J
Benzophenone	72	74	40 - 140	3	30		
Benzyl alcohol	70	72	30 - 130	2	30		
Bis(2-chloroethoxy)methane	62	65	40 - 140	4	30		
Bis(2-chloroethyl)ether	51	52	40 - 140	2	30		
Bis(2-ethylhexyl) phthalate	69	70	40 - 140	1	30		
Butyl benzyl phthalate	71	73	40 - 140	2	30		
Caprolactam	70	72	40 - 140	3	30		
Carbazole	76	80	40 - 140	5	30		
Chrysene	70	71	40 - 140	2	30		
Dibenz(a,h)anthracene	102	101	40 - 140	1	30		
Dibenzofuran	65	67	40 - 140	4	30		
Diethyl phthalate	72	76	40 - 140	5	30		
Dimethyl phthalate	69	71	40 - 140	3	30		
Di-n-butyl phthalate	100	103	40 - 140	4	30		
Di-n-octyl phthalate	71	74	40 - 140	4	30		
Diphenyl oxide	62	64	40 - 140	2	30		
Fluoranthene	71	75	40 - 140	5	30		
Fluorene	78	81	40 - 140	4	30		

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48703

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48703/2-A	Analysis Batch:	360-49174	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48703	Lab File ID:	J03009.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/18/2009 1520			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48703/3-A	Analysis Batch:	360-49174	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48703	Lab File ID:	J03010.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/18/2009 1547			Final Weight/Volume:	1.0 mL
Date Prepared:	09/08/2009 1452			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hexachlorobenzene	65	68	40 - 140	4	30		
Hexachlorobutadiene	59	60	40 - 140	2	30		
Hexachlorocyclopentadiene	74	76	40 - 140	3	30		
Hexachloroethane	53	54	40 - 140	2	30		
Indeno[1,2,3-cd]pyrene	100	101	40 - 140	1	30		
Isophorone	56	57	40 - 140	3	30		
Naphthalene	59	61	40 - 140	3	30		
Nitrobenzene	64	67	40 - 140	5	30		
N-Nitrosodimethylamine	59	60	40 - 140	0	30		
N-Nitrosodi-n-propylamine	61	62	40 - 140	1	30		
N-Nitrosodiphenylamine	50	52	40 - 140	5	30		
Pentachlorophenol	79	80	30 - 130	1	30		
Phenanthrene	70	72	40 - 140	3	30		
Phenol	52	53	30 - 130	1	30		
Pyrene	75	78	40 - 140	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	68	70	30 - 130
2-Fluorobiphenyl	62	62	30 - 130
2-Fluorophenol	57	57	30 - 130
Nitrobenzene-d5	63	65	30 - 130
Phenol-d5	57	58	30 - 130
Terphenyl-d14	61	62	30 - 130

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48703

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48703/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48703/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/18/2009 1520			Date Analyzed:	09/18/2009 1547
Date Prepared:	09/08/2009 1452			Date Prepared:	09/08/2009 1452

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1'-Biphenyl	333	333	218		217	
1,2,4,5-Tetrachlorobenzene	333	333	204		210	
1,2,4-Trichlorobenzene	333	333	185		191	
1,2-Dichlorobenzene	333	333	166		167	
1,3-Dichlorobenzene	333	333	162		166	
1,4-Dichlorobenzene	333	333	162		165	
1-Methylnaphthalene	333	333	209		212	
2,2'-oxybis[1-chloropropane]	333	333	179		183	
2,3,4,6-Tetrachlorophenol	333	333	214		220	
2,4,5-Trichlorophenol	333	333	249		249	
2,4,6-Trichlorophenol	333	333	252		270	
2,4-Dichlorophenol	333	333	232		241	
2,4-Dimethylphenol	333	333	283		292	
2,4-Dinitrophenol	333	333	170		162	
2,4-Dinitrotoluene	333	333	222		232	
2,6-Dinitrotoluene	333	333	230		241	
2-Chloronaphthalene	333	333	167		170	
2-Chlorophenol	333	333	190		194	
2-Methylnaphthalene	333	333	211		218	
2-Methylphenol	333	333	204		206	
2-Nitroaniline	333	333	216		227	
2-Nitrophenol	333	333	199		210	
3 & 4 Methylphenol	333	333	212		215	
3,3'-Dichlorobenzidine	333	333	107	*	110	*
3-Nitroaniline	333	333	256		261	
4,6-Dinitro-2-methylphenol	333	333	181		179	
4-Bromophenyl phenyl ether	333	333	223		230	
4-Chloro-3-methylphenol	333	333	250		266	
4-Chloroaniline	333	333	208		219	
4-Chlorophenyl phenyl ether	333	333	220		229	
4-Nitroaniline	333	333	229		243	
4-Nitrophenol	333	333	304		328	
Acenaphthene	333	333	242		252	
Acenaphthylene	333	333	228		237	
Acetophenone	333	333	195		196	
Aniline	333	333	86.7	*	88.6	*
Anthracene	333	333	273		281	
Atrazine	333	333	253		257	
Azobenzene	333	333	239		244	

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48703

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48703/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48703/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/18/2009 1520			Date Analyzed:	09/18/2009 1547
Date Prepared:	09/08/2009 1452			Date Prepared:	09/08/2009 1452

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Benzaldehyde	333	333	195		196	
Benzo[a]anthracene	333	333	273		290	
Benzo[a]pyrene	333	333	255		265	
Benzo[b]fluoranthene	333	333	224		241	
Benzo[g,h,i]perylene	333	333	324		323	
Benzo[k]fluoranthene	333	333	252		262	
Benzoic acid	333	333	157	J	154	J
Benzophenone	333	333	239		247	
Benzyl alcohol	333	333	233		239	
Bis(2-chloroethoxy)methane	333	333	208		217	
Bis(2-chloroethyl)ether	333	333	171		174	
Bis(2-ethylhexyl) phthalate	333	333	231		234	
Butyl benzyl phthalate	333	333	238		242	
Caprolactam	333	333	234		240	
Carbazole	333	333	252		265	
Chrysene	333	333	234		238	
Dibenz(a,h)anthracene	333	333	340		338	
Dibenzofuran	333	333	215		223	
Diethyl phthalate	333	333	239		252	
Dimethyl phthalate	333	333	231		238	
Di-n-butyl phthalate	333	333	332		345	
Di-n-octyl phthalate	333	333	236		247	
Diphenyl oxide	333	333	208		213	
Fluoranthene	333	333	237		250	
Fluorene	333	333	261		271	
Hexachlorobenzene	333	333	218		227	
Hexachlorobutadiene	333	333	197		201	
Hexachlorocyclopentadiene	333	333	247		254	
Hexachloroethane	333	333	177		180	
Indeno[1,2,3-cd]pyrene	333	333	333		335	
Isophorone	333	333	185		191	
Naphthalene	333	333	196		202	
Nitrobenzene	333	333	215		225	
N-Nitrosodimethylamine	333	333	198		199	
N-Nitrosodi-n-propylamine	333	333	203		205	
N-Nitrosodiphenylamine	333	333	167		175	
Pentachlorophenol	333	333	265		268	
Phenanthrene	333	333	233		240	
Phenol	333	333	174		175	

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48703

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48703/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48703/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/18/2009 1520			Date Analyzed:	09/18/2009 1547
Date Prepared:	09/08/2009 1452			Date Prepared:	09/08/2009 1452

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Pyrene	333	333	252	259

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Method Blank - Batch: 360-49332

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 360-49332/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/23/2009 1450
Date Prepared: 09/23/2009 0907

Analysis Batch: 360-49406
Prep Batch: 360-49332
Units: mg/Kg

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

Analyte	Result	Qual	MDL	RL
Aluminum	ND		0.65	2.5
Antimony	ND		0.18	0.50
Arsenic	ND		0.091	1.0
Barium	ND		0.065	0.50
Beryllium	ND		0.025	0.20
Cadmium	ND		0.0070	0.20
Calcium	7.85	J	2.5	10
Chromium	0.147	J	0.066	0.50
Cobalt	ND		0.065	0.50
Copper	0.0710	J	0.065	1.0
Iron	1.98	J	0.80	5.0
Lead	0.145	J	0.057	0.50
Magnesium	2.04	J	0.50	10
Manganese	ND		0.067	1.0
Nickel	ND		0.065	1.0
Potassium	ND		31	200
Selenium	ND		0.23	0.50
Silver	ND		0.050	0.50
Sodium	13.1	J	13	100
Thallium	0.154	J	0.072	1.0
Vanadium	ND		0.065	1.0
Zinc	ND		0.59	2.5
Tin	0.454	J	0.32	5.0

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49332

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-49332/2-A	Analysis Batch:	360-49406	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49332	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/23/2009 1453			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2009 0907				

LCSD Lab Sample ID:	LCSD 360-49332/3-A	Analysis Batch:	360-49406	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49332	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/23/2009 1456			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2009 0907				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aluminum	88	88	80 - 120	0	30		
Antimony	84	83	80 - 120	0	30		
Arsenic	88	88	80 - 120	0	30		
Barium	91	90	80 - 120	0	30		
Beryllium	90	90	80 - 120	0	30		
Cadmium	89	90	80 - 120	1	30		
Calcium	92	92	80 - 120	0	30		
Chromium	92	92	80 - 120	0	30		
Cobalt	90	90	80 - 120	0	30		
Copper	90	89	80 - 120	1	30		
Iron	91	91	80 - 120	0	30		
Lead	89	89	80 - 120	0	30		
Magnesium	88	88	80 - 120	0	30		
Manganese	91	91	80 - 120	0	30		
Nickel	90	91	80 - 120	0	30		
Potassium	90	87	80 - 120	3	30		
Selenium	88	88	80 - 120	0	30		
Silver	89	89	80 - 120	0	30		
Sodium	88	88	80 - 120	0	30		
Thallium	88	89	80 - 120	1	30		
Vanadium	91	91	80 - 120	0	30		
Zinc	89	89	80 - 120	1	30		
Tin	90	90	80 - 120	0	30		

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

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49332

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-49332/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-49332/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/23/2009 1453			Date Analyzed:	09/23/2009 1456
Date Prepared:	09/23/2009 0907			Date Prepared:	09/23/2009 0907

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	250	250	220	220
Antimony	50.0	50.0	41.9	41.7
Arsenic	50.0	50.0	44.2	44.2
Barium	50.0	50.0	45.4	45.2
Beryllium	50.0	50.0	45.1	45.0
Cadmium	50.0	50.0	44.6	44.9
Calcium	1000	1000	915	917
Chromium	50.0	50.0	45.8	45.9
Cobalt	50.0	50.0	45.0	45.1
Copper	50.0	50.0	44.9	44.4
Iron	250	250	228	228
Lead	50.0	50.0	44.3	44.5
Magnesium	1000	1000	881	885
Manganese	50.0	50.0	45.5	45.5
Nickel	50.0	50.0	45.2	45.3
Potassium	1000	1000	901	873
Selenium	50.0	50.0	43.9	43.8
Silver	50.0	50.0	44.4	44.4
Sodium	1000	1000	880	877
Thallium	50.0	50.0	43.8	44.3
Vanadium	50.0	50.0	45.4	45.4
Zinc	50.0	50.0	44.3	44.5
Tin	50.0	50.0	45.0	44.8

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

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

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.
	*	RPD of the LCS and LCSD exceeds the control limits
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: 360-24327-2
Sdg Number: OCRI-07A

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 360-48691					
LCS 360-48691/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-48691/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-48691/1-A	Method Blank	T	Solid	3546	
360-24327-2	OC-SB-403-13/15-XXX	T	Solid	3546	
360-24327-4	OC-SB-404-13/15-XXX	T	Solid	3546	
Prep Batch: 360-48703					
LCS 360-48703/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-48703/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-48703/1-A	Method Blank	T	Solid	3546	
360-24327-7	OC-SB-409-15/17-XXX	T	Solid	3546	
360-24327-10	OC-SB-410-17/19-XXX	T	Solid	3546	
360-24327-16	OC-SB-418-15/17-XXX	T	Solid	3546	
Analysis Batch:360-49095					
360-24327-4	OC-SB-404-13/15-XXX	T	Solid	8270C LL	360-48691
Analysis Batch:360-49098					
LCS 360-48691/2-A	Lab Control Sample	T	Solid	8270C LL	360-48691
LCSD 360-48691/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-48691
MB 360-48691/1-A	Method Blank	T	Solid	8270C LL	360-48691
360-24327-2	OC-SB-403-13/15-XXX	T	Solid	8270C LL	360-48691
Analysis Batch:360-49174					
LCS 360-48703/2-A	Lab Control Sample	T	Solid	8270C LL	360-48703
LCSD 360-48703/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-48703
MB 360-48703/1-A	Method Blank	T	Solid	8270C LL	360-48703
360-24327-7	OC-SB-409-15/17-XXX	T	Solid	8270C LL	360-48703
360-24327-10	OC-SB-410-17/19-XXX	T	Solid	8270C LL	360-48703
360-24327-16	OC-SB-418-15/17-XXX	T	Solid	8270C LL	360-48703

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24327-2
Sdg Number: OCRI-07A

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-49332					
LCS 360-49332/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 360-49332/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 360-49332/1-A	Method Blank	T	Solid	3050B	
360-24327-2	OC-SB-403-13/15-XXX	T	Solid	3050B	
360-24327-4	OC-SB-404-13/15-XXX	T	Solid	3050B	
360-24327-7	OC-SB-409-15/17-XXX	T	Solid	3050B	
360-24327-10	OC-SB-410-17/19-XXX	T	Solid	3050B	
360-24327-16	OC-SB-418-15/17-XXX	T	Solid	3050B	
Analysis Batch:360-49406					
LCS 360-49332/2-A	Lab Control Sample	T	Solid	6010B	360-49332
LCSD 360-49332/3-A	Lab Control Sample Duplicate	T	Solid	6010B	360-49332
MB 360-49332/1-A	Method Blank	T	Solid	6010B	360-49332
360-24327-2	OC-SB-403-13/15-XXX	T	Solid	6010B	360-49332
360-24327-4	OC-SB-404-13/15-XXX	T	Solid	6010B	360-49332
360-24327-7	OC-SB-409-15/17-XXX	T	Solid	6010B	360-49332
360-24327-10	OC-SB-410-17/19-XXX	T	Solid	6010B	360-49332
360-24327-16	OC-SB-418-15/17-XXX	T	Solid	6010B	360-49332

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24327-2
SDG: OCRI-07A

Laboratory Chronicle

Lab ID: 360-24327-2 **Client ID:** OC-SB-403-13/15-XXX

Sample Date/Time: 08/26/2009 13:40 Received Date/Time: 08/27/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24327-A-2-F		360-49098	360-48691	09/08/2009 12:06	1	TAL WFD	BRB
A:8270C LL	360-24327-A-2-F		360-49098	360-48691	09/18/2009 05:56	1	TAL WFD	PJS
P:3050B	360-24327-A-2-E		360-49406	360-49332	09/23/2009 09:07	1	TAL WFD	TFB
A:6010B	360-24327-A-2-E		360-49406	360-49332	09/23/2009 15:53	1	TAL WFD	EMN

Lab ID: 360-24327-4 **Client ID:** OC-SB-404-13/15-XXX

Sample Date/Time: 08/26/2009 15:40 Received Date/Time: 08/27/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24327-A-4-F		360-49095	360-48691	09/08/2009 12:06	1	TAL WFD	BRB
A:8270C LL	360-24327-A-4-F		360-49095	360-48691	09/17/2009 16:45	1	TAL WFD	PJS
P:3050B	360-24327-A-4-E		360-49406	360-49332	09/23/2009 09:07	1	TAL WFD	TFB
A:6010B	360-24327-A-4-E		360-49406	360-49332	09/23/2009 15:56	1	TAL WFD	EMN

Lab ID: 360-24327-7 **Client ID:** OC-SB-409-15/17-XXX

Sample Date/Time: 08/26/2009 17:15 Received Date/Time: 08/27/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24327-A-7-F		360-49174	360-48703	09/08/2009 14:52	1	TAL WFD	BRB
A:8270C LL	360-24327-A-7-F		360-49174	360-48703	09/18/2009 16:14	1	TAL WFD	PJS
P:3050B	360-24327-A-7-E		360-49406	360-49332	09/23/2009 09:07	1	TAL WFD	TFB
A:6010B	360-24327-A-7-E		360-49406	360-49332	09/23/2009 15:59	1	TAL WFD	EMN

Lab ID: 360-24327-10 **Client ID:** OC-SB-410-17/19-XXX

Sample Date/Time: 08/27/2009 11:15 Received Date/Time: 08/27/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24327-A-10-F		360-49174	360-48703	09/08/2009 14:52	1	TAL WFD	BRB
A:8270C LL	360-24327-A-10-F		360-49174	360-48703	09/18/2009 18:02	1	TAL WFD	PJS
P:3050B	360-24327-A-10-E		360-49406	360-49332	09/23/2009 09:07	1	TAL WFD	TFB
A:6010B	360-24327-A-10-E		360-49406	360-49332	09/23/2009 16:02	1	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-24327-2
SDG: OCRI-07A

Laboratory Chronicle

Lab ID: **360-24327-16** **Client ID:** **OC-SB-418-15/17-XXX**

Sample Date/Time: 08/27/2009 09:00 Received Date/Time: 08/27/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24327-A-16-E		360-49174	360-48703	09/08/2009 14:52	1	TAL WFD	BRB
A:8270C LL	360-24327-A-16-E		360-49174	360-48703	09/18/2009 21:40	1	TAL WFD	PJS
P:3050B	360-24327-A-16-D		360-49406	360-49332	09/23/2009 09:07	1	TAL WFD	TFB
A:6010B	360-24327-A-16-D		360-49406	360-49332	09/23/2009 16:05	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 360-48691/1-A		360-49098	360-48691	09/08/2009 12:06	1	TAL WFD	BRB
A:8270C LL	MB 360-48691/1-A		360-49098	360-48691	09/17/2009 19:48	1	TAL WFD	PJS
P:3546	MB 360-48703/1-A		360-49174	360-48703	09/08/2009 14:52	1	TAL WFD	BRB
A:8270C LL	MB 360-48703/1-A		360-49174	360-48703	09/18/2009 14:53	1	TAL WFD	PJS
P:3050B	MB 360-49332/1-A		360-49406	360-49332	09/23/2009 09:07	1	TAL WFD	TFB
A:6010B	MB 360-49332/1-A		360-49406	360-49332	09/23/2009 14:50	1	TAL WFD	EMN

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	LCS 360-48691/2-A		360-49098	360-48691	09/08/2009 12:06	1	TAL WFD	BRB
A:8270C LL	LCS 360-48691/2-A		360-49098	360-48691	09/17/2009 20:22	1	TAL WFD	PJS
P:3546	LCS 360-48703/2-A		360-49174	360-48703	09/08/2009 14:52	1	TAL WFD	BRB
A:8270C LL	LCS 360-48703/2-A		360-49174	360-48703	09/18/2009 15:20	1	TAL WFD	PJS
P:3050B	LCS 360-49332/2-A		360-49406	360-49332	09/23/2009 09:07	1	TAL WFD	TFB
A:6010B	LCS 360-49332/2-A		360-49406	360-49332	09/23/2009 14:53	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 360-48691/3-A		360-49098	360-48691	09/08/2009 12:06	1	TAL WFD	BRB
A:8270C LL	LCSD 360-48691/3-A		360-49098	360-48691	09/17/2009 20:56	1	TAL WFD	PJS
P:3546	LCSD 360-48703/3-A		360-49174	360-48703	09/08/2009 14:52	1	TAL WFD	BRB
A:8270C LL	LCSD 360-48703/3-A		360-49174	360-48703	09/18/2009 15:47	1	TAL WFD	PJS
P:3050B	LCSD 360-49332/3-A		360-49406	360-49332	09/23/2009 09:07	1	TAL WFD	TFB
A:6010B	LCSD 360-49332/3-A		360-49406	360-49332	09/23/2009 14:56	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.: 360-24327-2

SDG No.: OCRI-07A

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-403-13/15-XXX	360-24327-2	72	60	66	63	52	82
OC-SB-404-13/15-XXX	360-24327-4	77	74	67	68	77	87
OC-SB-409-15/17-XXX	360-24327-7	69	69	59	59	66	65
OC-SB-410-17/19-XXX	360-24327-10	71	70	62	61	63	60
OC-SB-418-15/17-XXX	360-24327-16	64	64	58	61	62	60
	MB 360-48691/1-A	85	83	75	73	72	77
	MB 360-48703/1-A	79	78	67	67	71	80
	LCS 360-48691/2-A	65	70	76	76	81	75
	LCS 360-48703/2-A	57	57	63	62	68	61
	LCSD 360-48691/3-A	62	65	68	72	73	68
	LCSD 360-48703/3-A	57	58	65	62	70	62

	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.: 360-24327-2

SDG No.: OCRI-07A

Matrix: Solid Level: Low Lab File ID: B10374.D

Lab ID: LCS 360-48691/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	276	83	40-140	
1,2,4,5-Tetrachlorobenzene	333	272	81	40-140	
1,2,4-Trichlorobenzene	333	251	75	40-140	
1,2-Dichlorobenzene	333	205	62	40-140	
1,3-Dichlorobenzene	333	197	59	40-140	
1,4-Dichlorobenzene	333	194	58	40-140	
1-Methylnaphthalene	333	283	85	40-140	
2,2'-oxybis[1-chloropropane]	333	208	62	40-140	
2,3,4,6-Tetrachlorophenol	333	246	74	40-140	
2,4,5-Trichlorophenol	333	314	94	30-130	
2,4,6-Trichlorophenol	333	309	93	30-130	
2,4-Dichlorophenol	333	317	95	30-130	
2,4-Dimethylphenol	333	373	112	30-130	
2,4-Dinitrophenol	333	223	67	30-130	
2,4-Dinitrotoluene	333	264	79	40-140	
2,6-Dinitrotoluene	333	288	86	40-140	
2-Chloronaphthalene	333	211	63	40-140	
2-Chlorophenol	333	223	67	30-130	
2-Methylnaphthalene	333	279	84	40-140	
2-Methylphenol	333	251	75	30-130	
2-Nitroaniline	333	290	87	40-140	
2-Nitrophenol	333	303	91	30-130	
3 & 4 Methylphenol	333	249	75	30-130	
3,3'-Dichlorobenzidine	333	108	32	40-140	*
3-Nitroaniline	333	260	78	40-140	
4,6-Dinitro-2-methylphenol	333	308	92	30-130	
4-Bromophenyl phenyl ether	333	298	89	40-140	
4-Chloro-3-methylphenol	333	344	103	30-130	
4-Chloroaniline	333	259	78	40-140	
4-Chlorophenyl phenyl ether	333	285	85	40-140	
4-Nitroaniline	333	300	90	40-140	
4-Nitrophenol	333	309	93	30-130	
Acenaphthene	333	316	95	40-140	
Acenaphthylene	333	273	82	40-140	
Acetophenone	333	222	67	40-140	
Aniline	333	102	31	40-140	*
Anthracene	333	338	101	40-140	
Atrazine	333	370	111	40-140	
Azobenzene	333	295	88	40-140	
Benzaldehyde	333	474	142	40-140	*
Benzo[a]anthracene	333	350	105	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.: 360-24327-2

SDG No.: OCRI-07A

Matrix: Solid Level: Low Lab File ID: B10374.D

Lab ID: LCS 360-48691/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzo[a]pyrene	333	314	94	40-140	
Benzo[b]fluoranthene	333	329	99	40-140	
Benzo[g,h,i]perylene	333	297	89	40-140	
Benzo[k]fluoranthene	333	349	105	40-140	
Benzoic acid	333	203	61	30-130	
Benzophenone	333	309	93	40-140	
Benzyl alcohol	333	236	71	30-130	
Bis(2-chloroethoxy)methane	333	270	81	40-140	
Bis(2-chloroethyl)ether	333	124	37	40-140	*
Bis(2-ethylhexyl) phthalate	333	316	95	40-140	
Butyl benzyl phthalate	333	313	94	40-140	
Caprolactam	333	357	107	40-140	
Carbazole	333	333	100	40-140	
Chrysene	333	335	101	40-140	
Dibenz(a,h)anthracene	333	282	85	40-140	
Dibenzofuran	333	277	83	40-140	
Diethyl phthalate	333	290	87	40-140	
Dimethyl phthalate	333	278	83	40-140	
Di-n-butyl phthalate	333	346	104	40-140	
Di-n-octyl phthalate	333	285	86	40-140	
Diphenyl oxide	333	288	86	40-140	
Fluoranthene	333	312	94	40-140	
Fluorene	333	337	101	40-140	
Hexachlorobenzene	333	302	91	40-140	
Hexachlorobutadiene	333	260	78	40-140	
Hexachlorocyclopentadiene	333	261	78	40-140	
Hexachloroethane	333	205	61	40-140	
Indeno[1,2,3-cd]pyrene	333	329	99	40-140	
Isophorone	333	247	74	40-140	
Naphthalene	333	322	96	40-140	
Nitrobenzene	333	267	80	40-140	
N-Nitrosodimethylamine	333	212	64	40-140	
N-Nitrosodi-n-propylamine	333	230	69	40-140	
N-Nitrosodiphenylamine	333	216	65	40-140	
Pentachlorophenol	333	302	91	30-130	
Phenanthrene	333	305	91	40-140	
Phenol	333	236	71	30-130	
Pyrene	333	310	93	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Matrix: Solid Level: Low Lab File ID: J03009.D

Lab ID: LCS 360-48703/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	218	65	40-140	
1,2,4,5-Tetrachlorobenzene	333	204	61	40-140	
1,2,4-Trichlorobenzene	333	185	55	40-140	
1,2-Dichlorobenzene	333	166	50	40-140	
1,3-Dichlorobenzene	333	162	49	40-140	
1,4-Dichlorobenzene	333	162	49	40-140	
1-Methylnaphthalene	333	209	63	40-140	
2,2'-oxybis[1-chloropropane]	333	179	54	40-140	
2,3,4,6-Tetrachlorophenol	333	214	64	40-140	
2,4,5-Trichlorophenol	333	249	75	30-130	
2,4,6-Trichlorophenol	333	252	76	30-130	
2,4-Dichlorophenol	333	232	70	30-130	
2,4-Dimethylphenol	333	283	85	30-130	
2,4-Dinitrophenol	333	170	51	30-130	
2,4-Dinitrotoluene	333	222	67	40-140	
2,6-Dinitrotoluene	333	230	69	40-140	
2-Chloronaphthalene	333	167	50	40-140	
2-Chlorophenol	333	190	57	30-130	
2-Methylnaphthalene	333	211	63	40-140	
2-Methylphenol	333	204	61	30-130	
2-Nitroaniline	333	216	65	40-140	
2-Nitrophenol	333	199	60	30-130	
3 & 4 Methylphenol	333	212	64	30-130	
3,3'-Dichlorobenzidine	333	107	32	40-140	*
3-Nitroaniline	333	256	77	40-140	
4,6-Dinitro-2-methylphenol	333	181	54	30-130	
4-Bromophenyl phenyl ether	333	223	67	40-140	
4-Chloro-3-methylphenol	333	250	75	30-130	
4-Chloroaniline	333	208	62	40-140	
4-Chlorophenyl phenyl ether	333	220	66	40-140	
4-Nitroaniline	333	229	69	40-140	
4-Nitrophenol	333	304	91	30-130	
Acenaphthene	333	242	73	40-140	
Acenaphthylene	333	228	68	40-140	
Acetophenone	333	195	59	40-140	
Aniline	333	86.7	26	40-140	*
Anthracene	333	273	82	40-140	
Atrazine	333	253	76	40-140	
Azobenzene	333	239	72	40-140	
Benzaldehyde	333	195	59	40-140	
Benzo[a]anthracene	333	273	82	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.: 360-24327-2

SDG No.: OCRI-07A

Matrix: Solid Level: Low Lab File ID: J03009.D

Lab ID: LCS 360-48703/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzo[a]pyrene	333	255	76	40-140	
Benzo[b]fluoranthene	333	224	67	40-140	
Benzo[g,h,i]perylene	333	324	97	40-140	
Benzo[k]fluoranthene	333	252	76	40-140	
Benzoic acid	333	157 J	47	30-130	
Benzophenone	333	239	72	40-140	
Benzyl alcohol	333	233	70	30-130	
Bis(2-chloroethoxy)methane	333	208	62	40-140	
Bis(2-chloroethyl)ether	333	171	51	40-140	
Bis(2-ethylhexyl) phthalate	333	231	69	40-140	
Butyl benzyl phthalate	333	238	71	40-140	
Caprolactam	333	234	70	40-140	
Carbazole	333	252	76	40-140	
Chrysene	333	234	70	40-140	
Dibenz(a,h)anthracene	333	340	102	40-140	
Dibenzofuran	333	215	65	40-140	
Diethyl phthalate	333	239	72	40-140	
Dimethyl phthalate	333	231	69	40-140	
Di-n-butyl phthalate	333	332	100	40-140	
Di-n-octyl phthalate	333	236	71	40-140	
Diphenyl oxide	333	208	62	40-140	
Fluoranthene	333	237	71	40-140	
Fluorene	333	261	78	40-140	
Hexachlorobenzene	333	218	65	40-140	
Hexachlorobutadiene	333	197	59	40-140	
Hexachlorocyclopentadiene	333	247	74	40-140	
Hexachloroethane	333	177	53	40-140	
Indeno[1,2,3-cd]pyrene	333	333	100	40-140	
Isophorone	333	185	56	40-140	
Naphthalene	333	196	59	40-140	
Nitrobenzene	333	215	64	40-140	
N-Nitrosodimethylamine	333	198	59	40-140	
N-Nitrosodi-n-propylamine	333	203	61	40-140	
N-Nitrosodiphenylamine	333	167	50	40-140	
Pentachlorophenol	333	265	79	30-130	
Phenanthrene	333	233	70	40-140	
Phenol	333	174	52	30-130	
Pyrene	333	252	75	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.: 360-24327-2

SDG No.: OCRI-07A

Matrix: Solid Level: Low Lab File ID: B10375.D

Lab ID: LCSD 360-48691/3-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	264	79	4	30	40-140	
1,2,4,5-Tetrachlorobenzene	333	258	77	5	30	40-140	
1,2,4-Trichlorobenzene	333	241	72	4	30	40-140	
1,2-Dichlorobenzene	333	214	64	4	30	40-140	
1,3-Dichlorobenzene	333	203	61	3	30	40-140	
1,4-Dichlorobenzene	333	200	60	3	30	40-140	
1-Methylnaphthalene	333	258	77	9	30	40-140	
2,2'-oxybis[1-chloropropane]	333	215	64	3	30	40-140	
2,3,4,6-Tetrachlorophenol	333	233	70	5	30	40-140	
2,4,5-Trichlorophenol	333	310	93	1	30	30-130	
2,4,6-Trichlorophenol	333	301	90	2	30	30-130	
2,4-Dichlorophenol	333	307	92	3	30	30-130	
2,4-Dimethylphenol	333	352	106	6	30	30-130	
2,4-Dinitrophenol	333	210	63	6	30	30-130	
2,4-Dinitrotoluene	333	258	77	2	30	40-140	
2,6-Dinitrotoluene	333	285	85	1	30	40-140	
2-Chloronaphthalene	333	214	64	2	30	40-140	
2-Chlorophenol	333	228	68	2	30	30-130	
2-Methylnaphthalene	333	271	81	3	30	40-140	
2-Methylphenol	333	249	75	0	30	30-130	
2-Nitroaniline	333	292	87	0	30	40-140	
2-Nitrophenol	333	295	89	2	30	30-130	
3 & 4 Methylphenol	333	251	75	1	30	30-130	
3,3'-Dichlorobenzidine	333	103	31	5	30	40-140	*
3-Nitroaniline	333	249	75	4	30	40-140	
4,6-Dinitro-2-methylphenol	333	300	90	3	30	30-130	
4-Bromophenyl phenyl ether	333	290	87	3	30	40-140	
4-Chloro-3-methylphenol	333	329	99	5	30	30-130	
4-Chloroaniline	333	248	74	4	30	40-140	
4-Chlorophenyl phenyl ether	333	284	85	0	30	40-140	
4-Nitroaniline	333	298	90	1	30	40-140	
4-Nitrophenol	333	304	91	2	30	30-130	
Acenaphthene	333	318	95	1	30	40-140	
Acenaphthylene	333	279	84	2	30	40-140	
Acetophenone	333	227	68	2	30	40-140	
Aniline	333	107	32	4	30	40-140	*
Anthracene	333	331	99	2	30	40-140	
Atrazine	333	330	99	12	30	40-140	
Azobenzene	333	281	84	5	30	40-140	
Benzaldehyde	333	453	136	5	30	40-140	
Benzo[a]anthracene	333	333	100	5	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.: 360-24327-2

SDG No.: OCRI-07A

Matrix: Solid Level: Low Lab File ID: B10375.D

Lab ID: LCSD 360-48691/3-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	292	88	7	30	40-140	
Benzo[b]fluoranthene	333	302	91	9	30	40-140	
Benzo[g,h,i]perylene	333	304	91	2	30	40-140	
Benzo[k]fluoranthene	333	327	98	7	30	40-140	
Benzoic acid	333	222	67	9	30	30-130	
Benzophenone	333	285	85	8	30	40-140	
Benzyl alcohol	333	236	71	0	30	30-130	
Bis(2-chloroethoxy)methane	333	259	78	4	30	40-140	
Bis(2-chloroethyl)ether	333	205	62	50	30	40-140	*
Bis(2-ethylhexyl) phthalate	333	303	91	4	30	40-140	
Butyl benzyl phthalate	333	297	89	5	30	40-140	
Caprolactam	333	316	95	12	30	40-140	
Carbazole	333	323	97	3	30	40-140	
Chrysene	333	320	96	4	30	40-140	
Dibenz(a,h)anthracene	333	293	88	4	30	40-140	
Dibenzofuran	333	276	83	0	30	40-140	
Diethyl phthalate	333	287	86	1	30	40-140	
Dimethyl phthalate	333	275	82	1	30	40-140	
Di-n-butyl phthalate	333	340	102	2	30	40-140	
Di-n-octyl phthalate	333	260	78	9	30	40-140	
Diphenyl oxide	333	263	79	9	30	40-140	
Fluoranthene	333	300	90	4	30	40-140	
Fluorene	333	334	100	1	30	40-140	
Hexachlorobenzene	333	291	87	4	30	40-140	
Hexachlorobutadiene	333	250	75	4	30	40-140	
Hexachlorocyclopentadiene	333	258	77	1	30	40-140	
Hexachloroethane	333	213	64	4	30	40-140	
Indeno[1,2,3-cd]pyrene	333	337	101	2	30	40-140	
Isophorone	333	235	71	5	30	40-140	
Naphthalene	333	307	92	5	30	40-140	
Nitrobenzene	333	259	78	3	30	40-140	
N-Nitrosodimethylamine	333	220	66	4	30	40-140	
N-Nitrosodi-n-propylamine	333	237	71	3	30	40-140	
N-Nitrosodiphenylamine	333	209	63	3	30	40-140	
Pentachlorophenol	333	292	87	3	30	30-130	
Phenanthrene	333	298	89	2	30	40-140	
Phenol	333	238	71	1	30	30-130	
Pyrene	333	296	89	5	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.: 360-24327-2

SDG No.: OCRI-07A

Matrix: Solid Level: Low Lab File ID: J03010.D

Lab ID: LCSD 360-48703/3-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	217	65	0	30	40-140	
1,2,4,5-Tetrachlorobenzene	333	210	63	3	30	40-140	
1,2,4-Trichlorobenzene	333	191	57	3	30	40-140	
1,2-Dichlorobenzene	333	167	50	1	30	40-140	
1,3-Dichlorobenzene	333	166	50	3	30	40-140	
1,4-Dichlorobenzene	333	165	50	2	30	40-140	
1-Methylnaphthalene	333	212	63	1	30	40-140	
2,2'-oxybis[1-chloropropane]	333	183	55	2	30	40-140	
2,3,4,6-Tetrachlorophenol	333	220	66	3	30	40-140	
2,4,5-Trichlorophenol	333	249	75	0	30	30-130	
2,4,6-Trichlorophenol	333	270	81	7	30	30-130	
2,4-Dichlorophenol	333	241	72	4	30	30-130	
2,4-Dimethylphenol	333	292	88	3	30	30-130	
2,4-Dinitrophenol	333	162	49	4	30	30-130	
2,4-Dinitrotoluene	333	232	69	4	30	40-140	
2,6-Dinitrotoluene	333	241	72	5	30	40-140	
2-Chloronaphthalene	333	170	51	2	30	40-140	
2-Chlorophenol	333	194	58	2	30	30-130	
2-Methylnaphthalene	333	218	65	3	30	40-140	
2-Methylphenol	333	206	62	1	30	30-130	
2-Nitroaniline	333	227	68	5	30	40-140	
2-Nitrophenol	333	210	63	5	30	30-130	
3 & 4 Methylphenol	333	215	64	1	30	30-130	
3,3'-Dichlorobenzidine	333	110	33	3	30	40-140	*
3-Nitroaniline	333	261	78	2	30	40-140	
4,6-Dinitro-2-methylphenol	333	179	54	1	30	30-130	
4-Bromophenyl phenyl ether	333	230	69	3	30	40-140	
4-Chloro-3-methylphenol	333	266	80	7	30	30-130	
4-Chloroaniline	333	219	66	5	30	40-140	
4-Chlorophenyl phenyl ether	333	229	69	4	30	40-140	
4-Nitroaniline	333	243	73	6	30	40-140	
4-Nitrophenol	333	328	98	8	30	30-130	
Acenaphthene	333	252	75	4	30	40-140	
Acenaphthylene	333	237	71	4	30	40-140	
Acetophenone	333	196	59	1	30	40-140	
Aniline	333	88.6	27	2	30	40-140	*
Anthracene	333	281	84	3	30	40-140	
Atrazine	333	257	77	2	30	40-140	
Azobenzene	333	244	73	2	30	40-140	
Benzaldehyde	333	196	59	1	30	40-140	
Benzo[a]anthracene	333	290	87	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.: 360-24327-2

SDG No.: OCRI-07A

Matrix: Solid Level: Low Lab File ID: J03010.D

Lab ID: LCSD 360-48703/3-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	265	79	4	30	40-140	
Benzo[b]fluoranthene	333	241	72	7	30	40-140	
Benzo[g,h,i]perylene	333	323	97	0	30	40-140	
Benzo[k]fluoranthene	333	262	78	4	30	40-140	
Benzoic acid	333	154 J	46	2	30	30-130	
Benzophenone	333	247	74	3	30	40-140	
Benzyl alcohol	333	239	72	2	30	30-130	
Bis(2-chloroethoxy)methane	333	217	65	4	30	40-140	
Bis(2-chloroethyl)ether	333	174	52	2	30	40-140	
Bis(2-ethylhexyl) phthalate	333	234	70	1	30	40-140	
Butyl benzyl phthalate	333	242	73	2	30	40-140	
Caprolactam	333	240	72	3	30	40-140	
Carbazole	333	265	80	5	30	40-140	
Chrysene	333	238	71	2	30	40-140	
Dibenz(a,h)anthracene	333	338	101	1	30	40-140	
Dibenzofuran	333	223	67	4	30	40-140	
Diethyl phthalate	333	252	76	5	30	40-140	
Dimethyl phthalate	333	238	71	3	30	40-140	
Di-n-butyl phthalate	333	345	103	4	30	40-140	
Di-n-octyl phthalate	333	247	74	4	30	40-140	
Diphenyl oxide	333	213	64	2	30	40-140	
Fluoranthene	333	250	75	5	30	40-140	
Fluorene	333	271	81	4	30	40-140	
Hexachlorobenzene	333	227	68	4	30	40-140	
Hexachlorobutadiene	333	201	60	2	30	40-140	
Hexachlorocyclopentadiene	333	254	76	3	30	40-140	
Hexachloroethane	333	180	54	2	30	40-140	
Indeno[1,2,3-cd]pyrene	333	335	101	1	30	40-140	
Isophorone	333	191	57	3	30	40-140	
Naphthalene	333	202	61	3	30	40-140	
Nitrobenzene	333	225	67	5	30	40-140	
N-Nitrosodimethylamine	333	199	60	0	30	40-140	
N-Nitrosodi-n-propylamine	333	205	62	1	30	40-140	
N-Nitrosodiphenylamine	333	175	52	5	30	40-140	
Pentachlorophenol	333	268	80	1	30	30-130	
Phenanthrene	333	240	72	3	30	40-140	
Phenol	333	175	53	1	30	30-130	
Pyrene	333	259	78	3	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.: 360-24327-2

SDG No.: OCRI-07A

Lab File ID: B10373.D Lab Sample ID: MB 360-48691/1-A

Matrix: Solid Date Extracted: 09/08/2009 12:06

Instrument ID: Inst. B Date Analyzed: 09/17/2009 19:48

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
OC-SB-404-13/15-XXX	360-24327-4	J03002.D	09/17/2009 16:45
	LCS 360-48691/2-A	B10374.D	09/17/2009 20:22
	LCSD 360-48691/3-A	B10375.D	09/17/2009 20:56
OC-SB-403-13/15-XXX	360-24327-2	B10391.D	09/18/2009 05:56

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab File ID: J03008.D Lab Sample ID: MB 360-48703/1-A

Matrix: Solid Date Extracted: 09/08/2009 14:52

Instrument ID: Inst. J Date Analyzed: 09/18/2009 14:53

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48703/2-A	J03009.D	09/18/2009 15:20
	LCSD 360-48703/3-A	J03010.D	09/18/2009 15:47
OC-SB-409-15/17-XXX	360-24327-7	J03011.D	09/18/2009 16:14
OC-SB-410-17/19-XXX	360-24327-10	J03015.D	09/18/2009 18:02
OC-SB-418-15/17-XXX	360-24327-16	J03023.D	09/18/2009 21:40

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab File ID: B10360.D DFTPP Injection Date: 09/17/2009

Instrument ID: Inst. B DFTPP Injection Time: 12:27

Analysis Batch No.: 49097

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	43.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	41.0	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	52.0	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.4	
275	10.0 - 30.0 % of mass 198	27.0	
365	Greater than 1.0 % of mass 198	3.3	
441	Present but less than mass 443	12.8	
442	Greater than 40.0 % of mass 198	78.0	
443	17.0 - 23.0 % of mass 442	16.0	(20.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 360-49097/2	B10361.D	09/17/2009	13:00
	STD01 360-49097/3	B10362.D	09/17/2009	13:34
	STD025 360-49097/4	B10363.D	09/17/2009	14:08
	STD05 360-49097/5	B10364.D	09/17/2009	14:42
	STD1 360-49097/6	B10365.D	09/17/2009	15:16
	STD25 360-49097/7	B10366.D	09/17/2009	15:50
	STD8 360-49097/8	B10367.D	09/17/2009	16:24
	STD10 360-49097/9	B10368.D	09/17/2009	16:58
	STD20 360-49097/10	B10369.D	09/17/2009	17:32

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab File ID: B10371.D DFTPP Injection Date: 09/17/2009

Instrument ID: Inst. B DFTPP Injection Time: 18:40

Analysis Batch No.: 49098

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	42.2	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	38.7	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	50.6	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.1	
275	10.0 - 30.0 % of mass 198	27.4	
365	Greater than 1.0 % of mass 198	3.5	
441	Present but less than mass 443	13.3	
442	Greater than 40.0 % of mass 198	82.7	
443	17.0 - 23.0 % of mass 442	16.4	(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
	CCV 360-49098/2	B10372.D	09/17/2009	19:14
	MB 360-48691/1-A	B10373.D	09/17/2009	19:48
	LCS 360-48691/2-A	B10374.D	09/17/2009	20:22
	LCSD 360-48691/3-A	B10375.D	09/17/2009	20:56
OC-SB-403-13/15-XXX	360-24327-2	B10391.D	09/18/2009	05:56

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab File ID: J02947.D DFTPP Injection Date: 09/15/2009

Instrument ID: Inst. J DFTPP Injection Time: 16:58

Analysis Batch No.: 48992

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	36.8	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	42.2	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	53.1	
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	6.9	
275	10.0 - 30.0 % of mass 198	27.5	
365	Greater than 1.0 % of mass 198	3.9	
441	Present but less than mass 443	10.0	
442	Greater than 40.0 % of mass 198	67.4	
443	17.0 - 23.0 % of mass 442	12.7	(18.8)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 360-48992/2	J02948.D	09/15/2009	17:27
	STD01 360-48992/3	J02949.D	09/15/2009	17:57
	STD025 360-48992/4	J02950.D	09/15/2009	18:26
	STD050 360-48992/5	J02951.D	09/15/2009	18:55
	STD1 360-48992/6	J02952.D	09/15/2009	19:25
	STD25 360-48992/7	J02953.D	09/15/2009	19:54
	STD8 360-48992/8	J02954.D	09/15/2009	20:24
	STD10 360-48992/9	J02955.D	09/15/2009	20:53
	STD20 360-48992/10	J02956.D	09/15/2009	21:23

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab File ID: J02993.D DFTPP Injection Date: 09/17/2009

Instrument ID: Inst. J DFTPP Injection Time: 11:47

Analysis Batch No.: 49095

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	33.9	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	39.3	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	51.7	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.1	
275	10.0 - 30.0 % of mass 198	28.5	
365	Greater than 1.0 % of mass 198	3.6	
441	Present but less than mass 443	10.8	
442	Greater than 40.0 % of mass 198	73.0	
443	17.0 - 23.0 % of mass 442	13.9	(19.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-49095/2	J02994.D	09/17/2009	12:17
OC-SB-404-13/15-XXX	360-24327-4	J03002.D	09/17/2009	16:45

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab File ID: J03006.D DFTPP Injection Date: 09/18/2009

Instrument ID: Inst. J DFTPP Injection Time: 13:59

Analysis Batch No.: 49174

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	33.8	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	39.0	
70	Less than 2.0 % of mass 69	0.2	(0.4)1
127	40.0 - 60.0 % of mass 198	51.1	
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	28.5	
365	Greater than 1.0 % of mass 198	3.8	
441	Present but less than mass 443	11.4	
442	Greater than 40.0 % of mass 198	76.8	
443	17.0 - 23.0 % of mass 442	14.4	(18.8)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
	CCV 360-49174/2	J03007.D	09/18/2009	14:26
	MB 360-48703/1-A	J03008.D	09/18/2009	14:53
	LCS 360-48703/2-A	J03009.D	09/18/2009	15:20
	LCSD 360-48703/3-A	J03010.D	09/18/2009	15:47
OC-SB-409-15/17-XXX	360-24327-7	J03011.D	09/18/2009	16:14
OC-SB-410-17/19-XXX	360-24327-10	J03015.D	09/18/2009	18:02
OC-SB-418-15/17-XXX	360-24327-16	J03023.D	09/18/2009	21:40

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Sample No.: CCV 360-49098/2 Date Analyzed: 09/17/2009 19:14

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

Lab File ID (Standard): B10372.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		662776	8.24	1570331	9.36	620870	10.88
UPPER LIMIT		1325552	8.74	3140662	9.86	1241740	11.38
LOWER LIMIT		331388	7.74	785166	8.86	310435	10.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24327-2	OC-SB-403-13/15-XXX	593586	8.26	1423820	9.37	730301	10.88

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

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

Column used to flag values outside QC limits

FORM VIII 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Sample No.: CCV 360-49098/2 Date Analyzed: 09/17/2009 19:14

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

Lab File ID (Standard): B10372.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		1050055	12.16	779955	15.93	453542	18.63
UPPER LIMIT		2100110	12.66	1559910	16.43	907084	19.13
LOWER LIMIT		525028	11.66	389978	15.43	226771	18.13
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24327-2	OC-SB-403-13/15-XXX	1197218	12.17	705406	15.94	388175	18.64

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.: 360-24327-2

SDG No.: OCRI-07A

Sample No.: CCV 360-49095/2 Date Analyzed: 09/17/2009 12:17

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

Lab File ID (Standard): J02994.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		119294	6.60	251410	7.92	125622	9.66
UPPER LIMIT		238588	7.10	502820	8.42	251244	10.16
LOWER LIMIT		59647	6.10	125705	7.42	62811	9.16
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24327-4	OC-SB-404-13/15-XXX	80825	6.60	205077	7.92	100629	9.66

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.: 360-24327-2

SDG No.: OCRI-07A

Sample No.: CCV 360-49095/2 Date Analyzed: 09/17/2009 12:17

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

Lab File ID (Standard): J02994.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		196429	11.11	148369	13.69	103622	15.06
UPPER LIMIT		392858	11.61	296738	14.19	207244	15.56
LOWER LIMIT		98215	10.61	74185	13.19	51811	14.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24327-4	OC-SB-404-13/15-XXX	160688	11.10	97641	13.69	57660	15.07

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.: 360-24327-2

SDG No.: OCRI-07A

Sample No.: CCV 360-49174/2 Date Analyzed: 09/18/2009 14:26

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

Lab File ID (Standard): J03007.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		88471	6.42	187840	7.75	94481	9.48
UPPER LIMIT		176942	6.92	375680	8.25	188962	9.98
LOWER LIMIT		44236	5.92	93920	7.25	47241	8.98
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-48703/1-A		67047	6.42	173955	7.74	86094	9.48
LCS 360-48703/2-A		91731	6.42	189771	7.75	94933	9.48
LCSD 360-48703/3-A		96174	6.42	193532	7.75	97256	9.48
360-24327-7	OC-SB-409-15/17-XXX	75938	6.42	193852	7.75	95929	9.48
360-24327-10	OC-SB-410-17/19-XXX	82069	6.42	208220	7.74	101448	9.48
360-24327-16	OC-SB-418-15/17-XXX	93965	6.42	235872	7.75	110209	9.48

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.: 360-24327-2

SDG No.: OCRI-07A

Sample No.: CCV 360-49174/2 Date Analyzed: 09/18/2009 14:26

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

Lab File ID (Standard): J03007.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		157437	10.92	125886	13.50	91207	14.84
UPPER LIMIT		314874	11.42	251772	14.00	182414	15.34
LOWER LIMIT		78719	10.42	62943	13.00	45604	14.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-48703/1-A		144554	10.92	98629	13.49	66079	14.85
LCS 360-48703/2-A		164619	10.92	136986	13.50	112514	14.85
LCSD 360-48703/3-A		166384	10.92	142067	13.50	113959	14.85
360-24327-7	OC-SB-409-15/17-XXX	164915	10.92	124298	13.49	103455	14.85
360-24327-10	OC-SB-410-17/19-XXX	177297	10.92	150573	13.49	123327	14.85
360-24327-16	OC-SB-418-15/17-XXX	201720	10.92	162697	13.50	117335	14.85

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

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

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-403-13/15-XXX | Lab Sample ID: 360-24327-2

Matrix: Solid | Lab File ID: B10391.D

Analysis Method: 8270C LL | Date Collected: 08/26/2009 13:40

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.05(g) | Date Analyzed: 09/18/2009 05:56

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

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

% Moisture: 20.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49098 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		42	13
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		42	2.8
120-82-1	1,2,4-Trichlorobenzene	ND		42	8.1
95-50-1	1,2-Dichlorobenzene	ND		42	4.5
541-73-1	1,3-Dichlorobenzene	ND		42	12
106-46-7	1,4-Dichlorobenzene	ND		42	7.5
90-12-0	1-Methylnaphthalene	ND		42	2.5
108-60-1	2,2'-oxybis[1-chloropropane]	ND		42	4.2
58-90-2	2,3,4,6-Tetrachlorophenol	ND		42	2.5
95-95-4	2,4,5-Trichlorophenol	ND		42	4.7
88-06-2	2,4,6-Trichlorophenol	ND		42	8.8
120-83-2	2,4-Dichlorophenol	ND		42	8.0
105-67-9	2,4-Dimethylphenol	ND		42	7.3
51-28-5	2,4-Dinitrophenol	ND		42	6.1
121-14-2	2,4-Dinitrotoluene	ND		42	5.9
606-20-2	2,6-Dinitrotoluene	ND		42	5.3
91-58-7	2-Chloronaphthalene	ND		42	6.4
95-57-8	2-Chlorophenol	ND		42	4.1
91-57-6	2-Methylnaphthalene	ND		42	32
95-48-7	2-Methylphenol	ND		42	6.0
88-74-4	2-Nitroaniline	ND		210	27
88-75-5	2-Nitrophenol	ND		42	4.8
15831-10-4	3 & 4 Methylphenol	ND		42	7.9
91-94-1	3,3'-Dichlorobenzidine	ND	*	84	30
99-09-2	3-Nitroaniline	ND		210	12
534-52-1	4,6-Dinitro-2-methylphenol	ND		210	11
101-55-3	4-Bromophenyl phenyl ether	ND		42	8.7
59-50-7	4-Chloro-3-methylphenol	ND		84	12
106-47-8	4-Chloroaniline	ND		84	17
7005-72-3	4-Chlorophenyl phenyl ether	ND		42	6.6
100-01-6	4-Nitroaniline	ND		210	11
100-02-7	4-Nitrophenol	ND		210	8.1
83-32-9	Acenaphthene	ND		42	6.1
208-96-8	Acenaphthylene	ND		42	7.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-403-13/15-XXX | Lab Sample ID: 360-24327-2

Matrix: Solid | Lab File ID: B10391.D

Analysis Method: 8270C LL | Date Collected: 08/26/2009 13:40

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.05(g) | Date Analyzed: 09/18/2009 05:56

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

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

% Moisture: 20.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49098 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		42	4.5
62-53-3	Aniline	ND	*	42	22
120-12-7	Anthracene	ND		42	13
1912-24-9	Atrazine	ND		42	13
103-33-3	Azobenzene	ND		42	5.2
100-52-7	Benzaldehyde	ND	*	42	13
56-55-3	Benzo[a]anthracene	ND		42	8.0
50-32-8	Benzo[a]pyrene	ND		42	7.6
205-99-2	Benzo[b]fluoranthene	ND		42	9.6
191-24-2	Benzo[g,h,i]perylene	ND		42	8.1
207-08-9	Benzo[k]fluoranthene	ND		42	12
65-85-0	Benzoic acid	ND		210	18
119-61-9	Benzophenone	ND		42	2.5
100-51-6	Benzyl alcohol	ND		84	9.6
111-91-1	Bis(2-chloroethoxy)methane	ND		42	7.5
111-44-4	Bis(2-chloroethyl)ether	ND	*	42	10
117-81-7	Bis(2-ethylhexyl) phthalate	ND		42	13
85-68-7	Butyl benzyl phthalate	ND		42	9.1
105-60-2	Caprolactam	ND		42	13
86-74-8	Carbazole	ND		42	42
218-01-9	Chrysene	ND		42	9.0
53-70-3	Dibenz(a,h)anthracene	ND		42	8.4
132-64-9	Dibenzofuran	ND		42	24
84-66-2	Diethyl phthalate	ND		42	5.9
131-11-3	Dimethyl phthalate	ND		42	6.1
84-74-2	Di-n-butyl phthalate	ND		42	13
117-84-0	Di-n-octyl phthalate	ND		42	12
101-84-8	Diphenyl oxide	ND		42	13
206-44-0	Fluoranthene	ND		42	26
86-73-7	Fluorene	ND		42	16
118-74-1	Hexachlorobenzene	ND		42	9.9
87-68-3	Hexachlorobutadiene	ND		42	8.3
77-47-4	Hexachlorocyclopentadiene	ND		84	11
67-72-1	Hexachloroethane	ND		42	8.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-403-13/15-XXX | Lab Sample ID: 360-24327-2

Matrix: Solid | Lab File ID: B10391.D

Analysis Method: 8270C LL | Date Collected: 08/26/2009 13:40

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.05(g) | Date Analyzed: 09/18/2009 05:56

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

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

% Moisture: 20.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49098 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		42	13
78-59-1	Isophorone	ND		42	8.9
91-20-3	Naphthalene	ND		100	93
98-95-3	Nitrobenzene	ND		42	5.7
62-75-9	N-Nitrosodimethylamine	ND		42	4.8
621-64-7	N-Nitrosodi-n-propylamine	ND		42	4.7
86-30-6	N-Nitrosodiphenylamine	ND		42	8.4
87-86-5	Pentachlorophenol	ND		42	8.6
85-01-8	Phenanthrene	ND		50	48
108-95-2	Phenol	ND		42	5.2
129-00-0	Pyrene	ND		42	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	52	30-130	
321-60-8	2-Fluorobiphenyl	63	30-130	
367-12-4	2-Fluorophenol	72	30-130	
4165-60-0	Nitrobenzene-d5	66	30-130	
4165-62-2	Phenol-d5	60	30-130	
1718-51-0	Terphenyl-d14	82	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-403-13/15-XXX | Lab Sample ID: 360-24327-2

Matrix: Solid | Lab File ID: B10391.D

Analysis Method: 8270C LL | Date Collected: 08/26/2009 13:40

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.05(g) | Date Analyzed: 09/18/2009 05:56

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

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

% Moisture: 20.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49098 | Units: ug/Kg

Number TICs Found: 7 | TIC Result Total: 760

CAS NO.	COMPOUND NAME	RT	RESULT	Q
630-1-3	Hexacosane	14.90	45	T J N
7225-66-3	Tridecane, 7-hexyl-	15.54	66	T J N
638-67-5	Tricosane	16.07	69	T J N
593-49-7	Heptacosane	16.61	66	T J N
630-2-4	Octacosane	17.19	55	T J N
7683-64-9	Squalene	17.35	400	T J N
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	17.84	59	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10391.D		
Lims ID:	360-24327-A-2-B	Client ID:	OC-SB-403-13/15-XXX
Inject. Date:	18-Sep-2009 05:56:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24327-a-2-b		
Misc. Info.:	360-0001208-021		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	32
Lims Batch ID:	49098	Lims Sample ID:	21
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\8270B.m		
Last Update:	21-Sep-2009 07:27:58	Calib Date:	17-Sep-2009 17:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	21-Sep-2009 07:27:58

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.256	8.260	-0.004	593586	2.00	
* 2 Naphthalene-d8	136	9.367	9.362	0.005	1423820	2.00	
* 3 Acenaphthene-d10	164	10.877	10.874	0.002	730301	2.00	
* 4 Phenanthrene-d10	188	12.165	12.162	0.003	1197218	2.00	
* 5 Chrysene-d12	240	15.935	15.932	0.003	705406	2.00	
* 6 Perylene-d12	264	18.638	18.625	0.013	388175	2.00	
$ 7 2-Fluorophenol	112	7.073	7.007	0.066	1210267	7.24	
$ 8 Phenol-d5	99	7.881	7.854	0.027	1207912	6.04	
$ 9 Nitrobenzene-d5	82	8.737	8.729	0.008	650893	3.31	
$ 10 2-Fluorobiphenyl	172	10.256	10.258	-0.002	1499080	3.16	
$ 11 2,4,6-Tribromophenol	330	11.555	11.547	0.008	224512	5.21	
$ 12 Terphenyl-d14	244	13.969	13.961	0.008	1146503	4.10	
46 2-Methylnaphthalene	142	9.972	9.969	0.003	12367	0.0352	
47 1-Methylnaphthalene	142	10.064	10.061	0.003	8814	0.0250	
61 Acenaphthene	153	10.905	10.902	0.003	5106	0.0121	
64 Dibenzofuran	168	11.050	11.047	0.003	9210	0.0171	
66 Diethyl phthalate	149	11.155	11.152	0.003	5413	0.0117	
84 Di-n-butyl phthalate	149	12.584	12.581	0.003	148069	0.2024	
92 Bis(2-ethylhexyl) phthalate	149	15.796	15.793	0.003	94304	0.3040	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10391.D		
Lims ID:	360-24327-A-2-B	Client ID:	OC-SB-403-13/15-XXX
Inject. Date:	18-Sep-2009 05:56:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24327-a-2-b		
Misc. Info.:	360-0001208-021		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	32
Lims Batch ID:	49098	Lims Sample ID:	21
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\8270B.m		
Last Update:	21-Sep-2009 07:27:58	Calib Date:	17-Sep-2009 17:32:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	21-Sep-2009 07:27:58

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Pentachloronitrobenzene	11.983	280	0.0886	
Alpha-Terpineol	9.285	16309	0.1110	
Benzidine	13.618	718	1.72	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
630-1-3 Hexacosane						
14.897	1113926	1.07	5	98	17117	
7225-66-3 Tridecane, 7-hexyl-						
15.541	1656877	1.59	5	97	16229	
638-67-5 Tricosane						
16.070	1730042	1.66	5	96	16532	
593-49-7 Heptacosane						
16.609	1633690	1.57	5	99	16471	
630-2-4 Octacosane						
17.190	1371160	1.32	5	99	112312	
7683-64-9 Squalene						
17.354	5515613	9.47	6	91	114263	
54833-48-6 Heptadecane, 2,6,10,15-tetramethyl-						
17.835	817409	1.40	6	93	17067	

Report Date: 21-Sep-2009 07:27:58 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTB.i\20090917-2.b\B10391.D
Quantitation Compounds

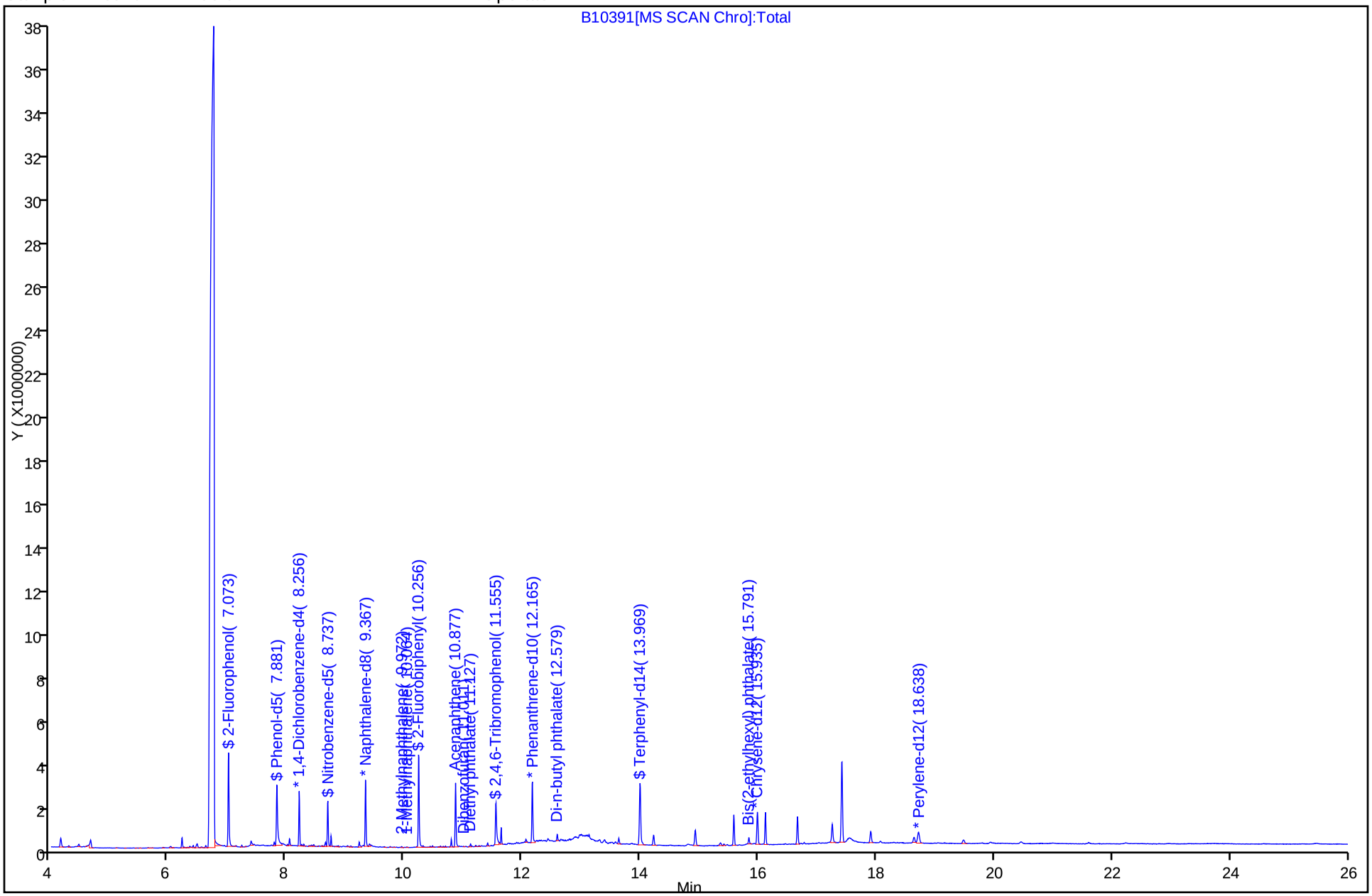
Compound	RT	Response	Amount ug/mL
* 5 Chrysene-d12	15.935	2081597	2.00
* 6 Perylene-d12	18.638	1164925	2.00

QC Flag Legend

Processing Flags

Report Date: 21-Sep-2009 07:27:59 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10391.D		
Inj Date:	18-Sep-2009 05:56:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49098	Lims Sample ID:	21
Client ID:	OC-SB-403-13/15-XXX	Instrument:	Inst. B
Sample Info:	360-24327-a-2-b		
Sample Amount:	1.00 uL	Operator:	MZ



Report Date: 21-Sep-2009 07:28:01 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-2.b\B10391.D

Inj Date: 18-Sep-2009 05:56:30 Limit Group: SMS - 8270LL SVOA Calibration

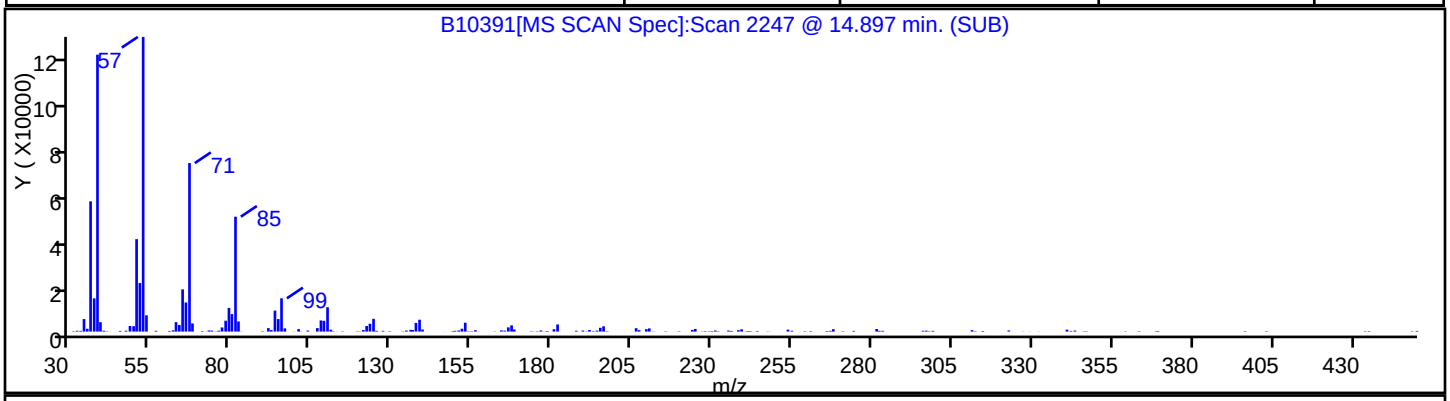
Lims Batch ID: 49098 Lims Sample ID: 21

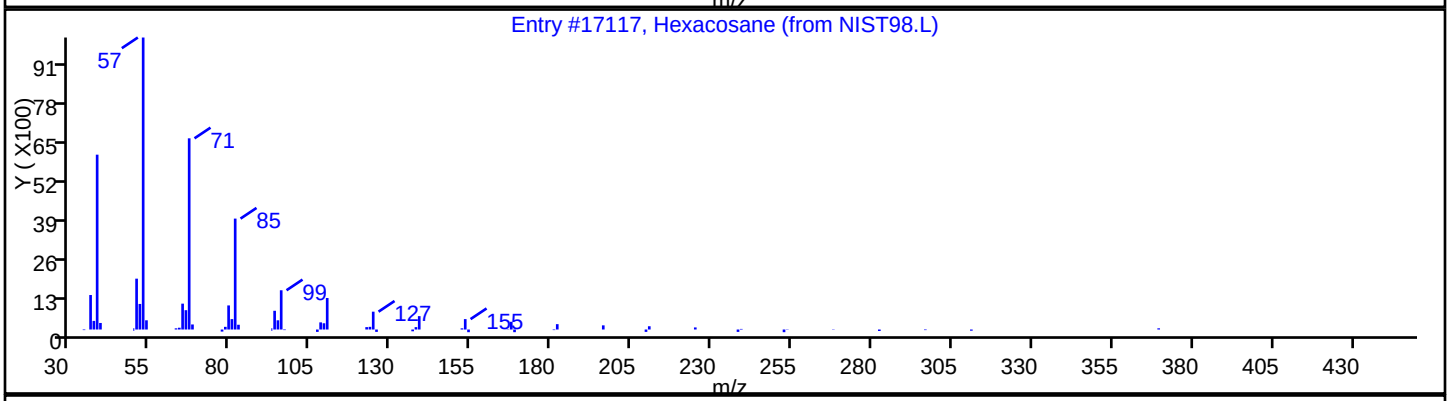
Client ID: OC-SB-403-13/15-XXX Instrument: Inst. B

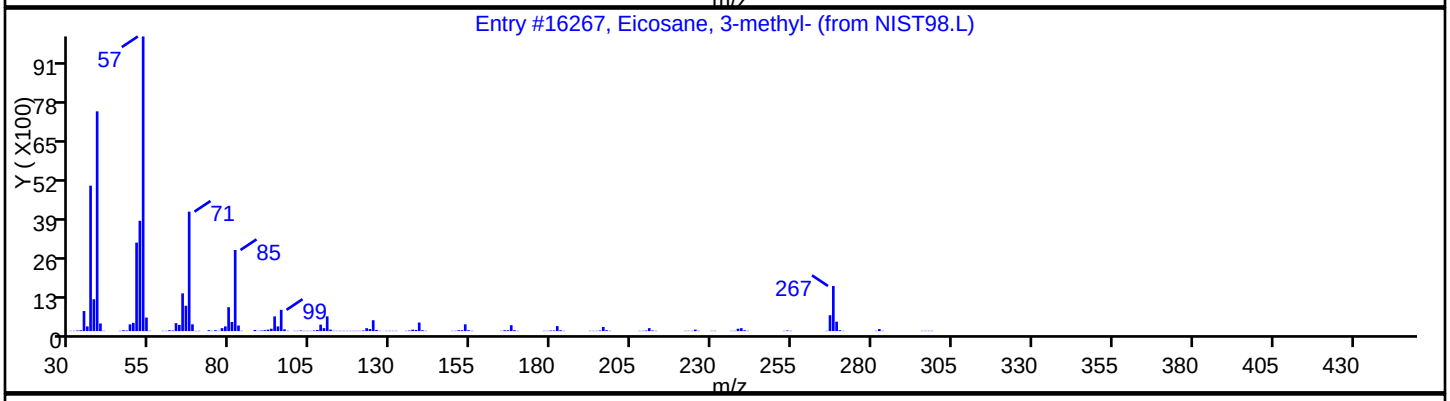
Sample Info: 360-24327-a-2-b

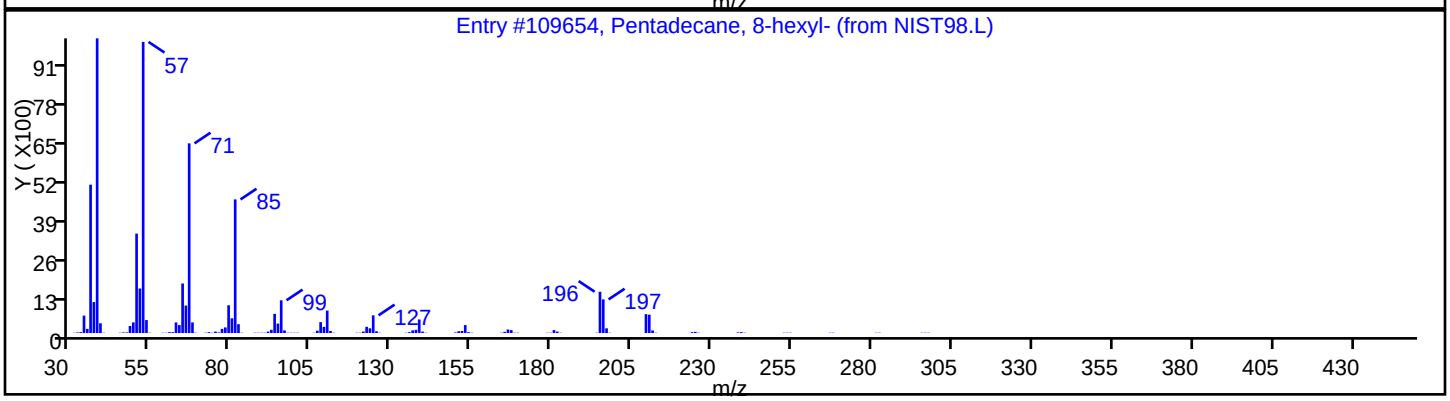
Sample Amount: 1.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexacosane	630-1-3	NIST98.L	17117	98
Eicosane, 3-methyl-	6418-46-8	NIST98.L	16267	95
Pentadecane, 8-hexyl-	13475-75-7	NIST98.L	109654	94





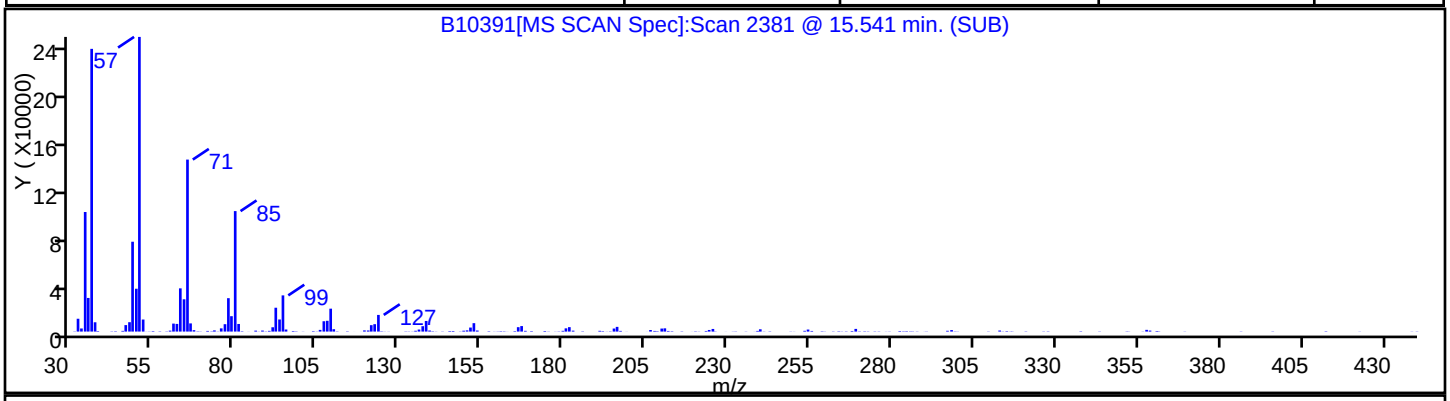


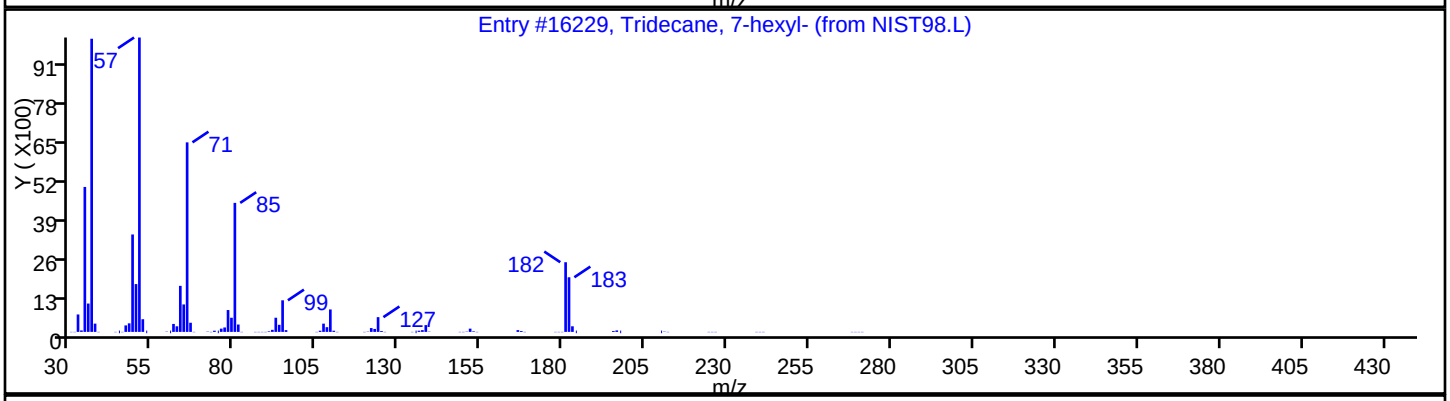


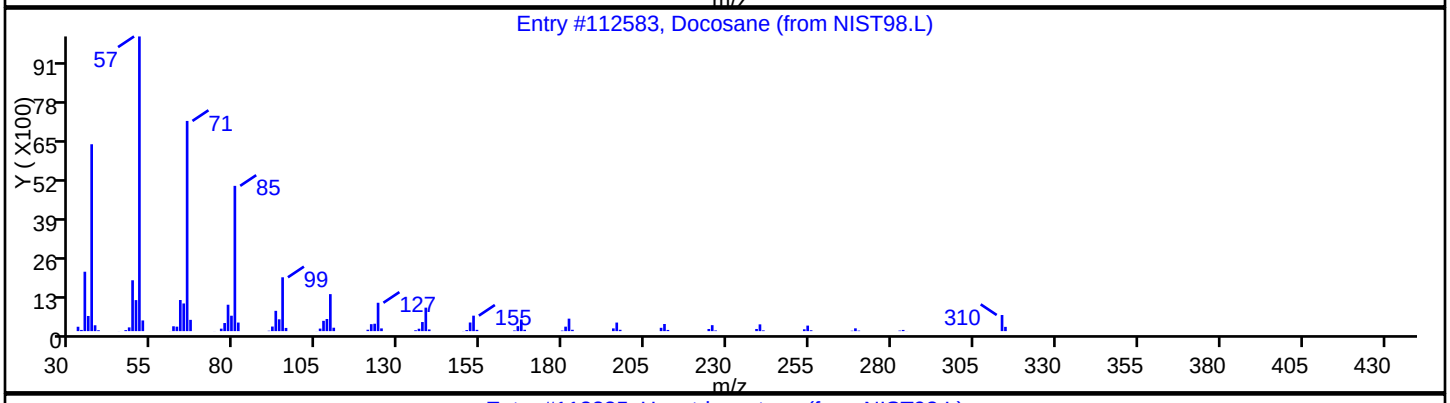
Report Date: 21-Sep-2009 07:28:01 Chrom Revision: 1.0.2009.910

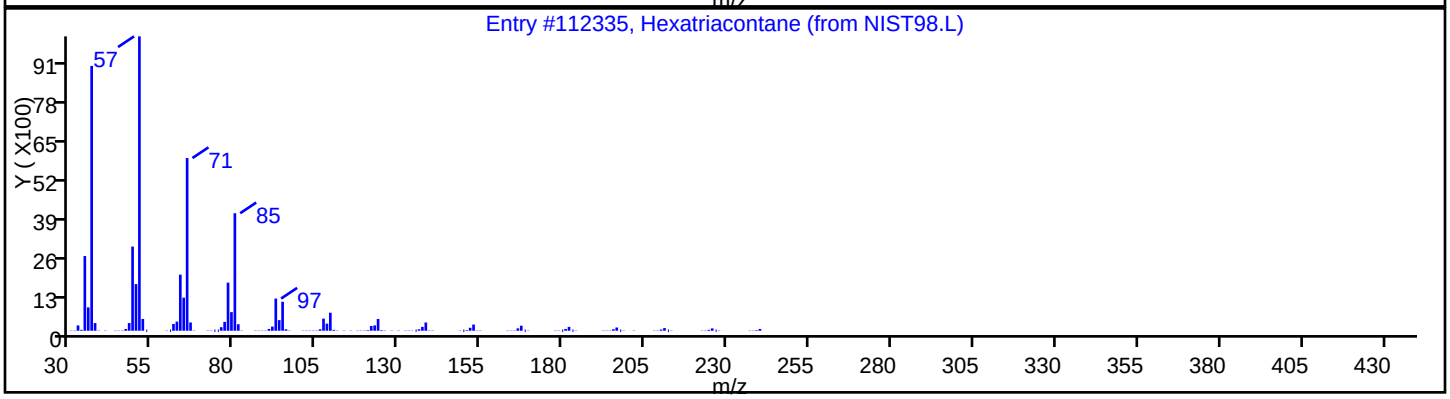
Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10391.D		
Inj Date:	18-Sep-2009 05:56:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49098	Lims Sample ID:	21
Client ID:	OC-SB-403-13/15-XXX	Instrument:	Inst. B
Sample Info:	360-24327-a-2-b		
Sample Amount:	1.00 uL	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tridecane, 7-hexyl-	7225-66-3	NIST98.L	16229	97
Docosane	629-97-0	NIST98.L	112583	96
Hexatriacontane	630-6-8	NIST98.L	112335	95









Report Date: 21-Sep-2009 07:28:01 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-2.b\B10391.D

Inj Date: 18-Sep-2009 05:56:30 Limit Group: SMS - 8270LL SVOA Calibration

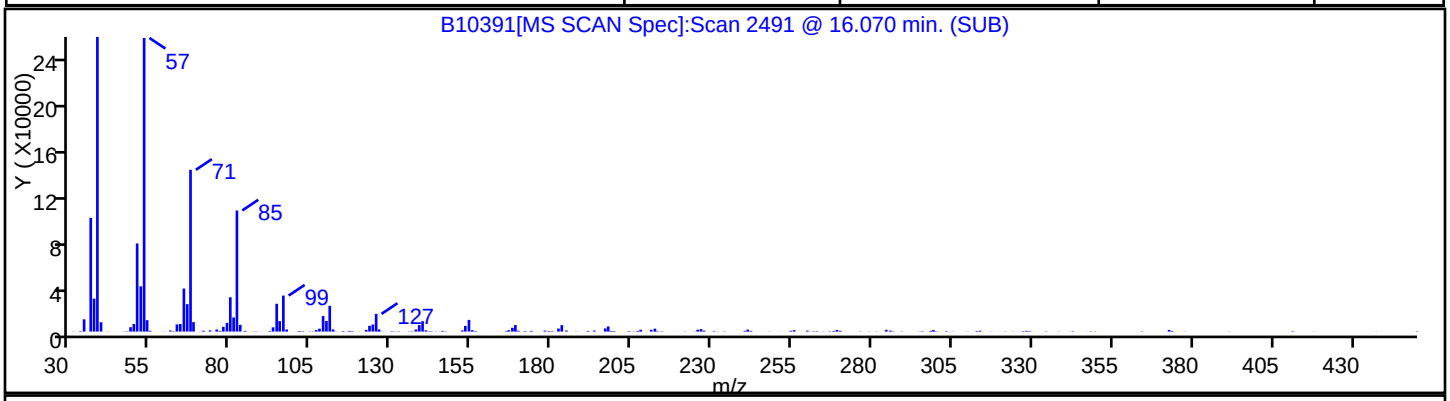
Lims Batch ID: 49098 Lims Sample ID: 21

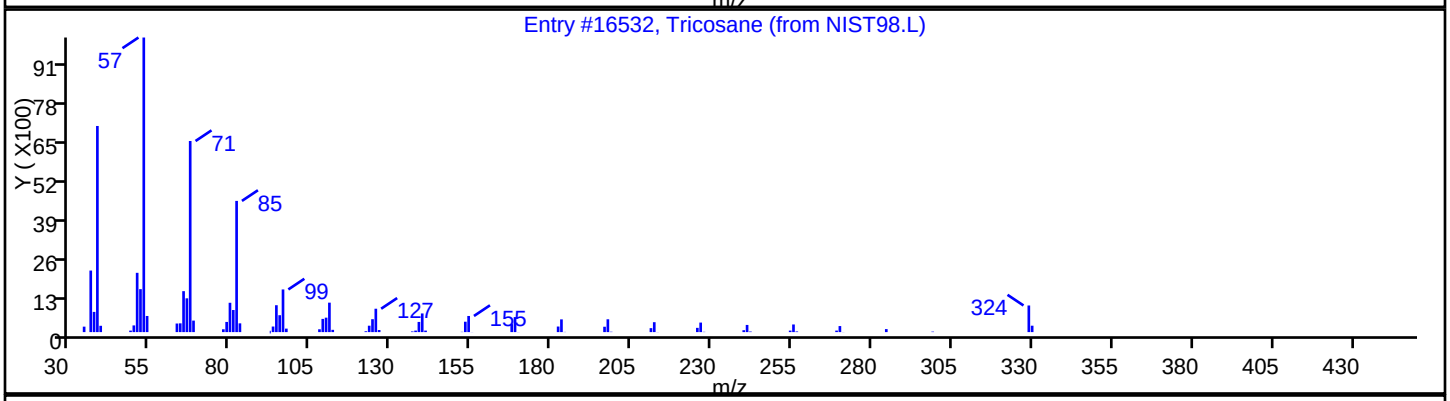
Client ID: OC-SB-403-13/15-XXX Instrument: Inst. B

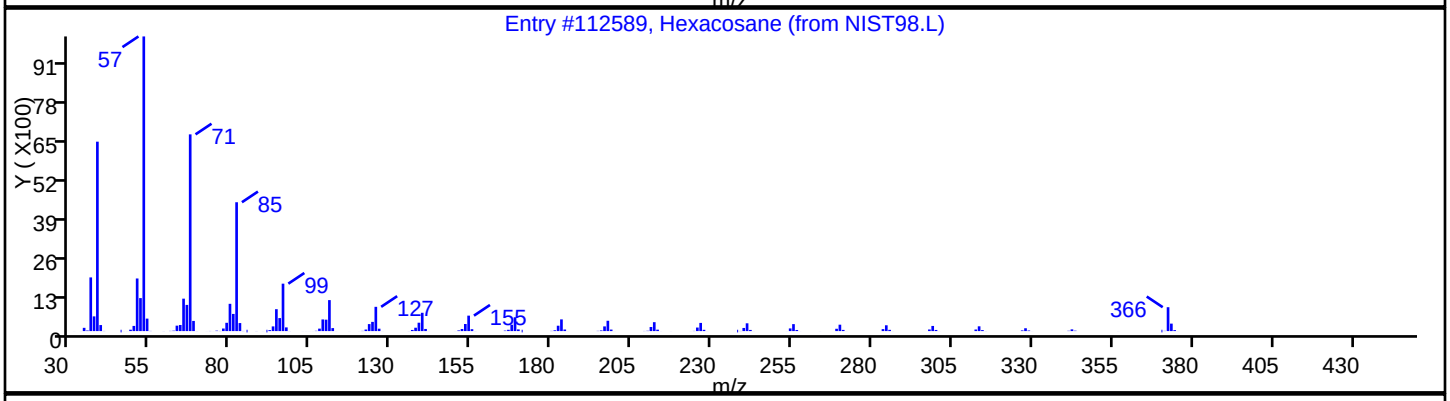
Sample Info: 360-24327-a-2-b

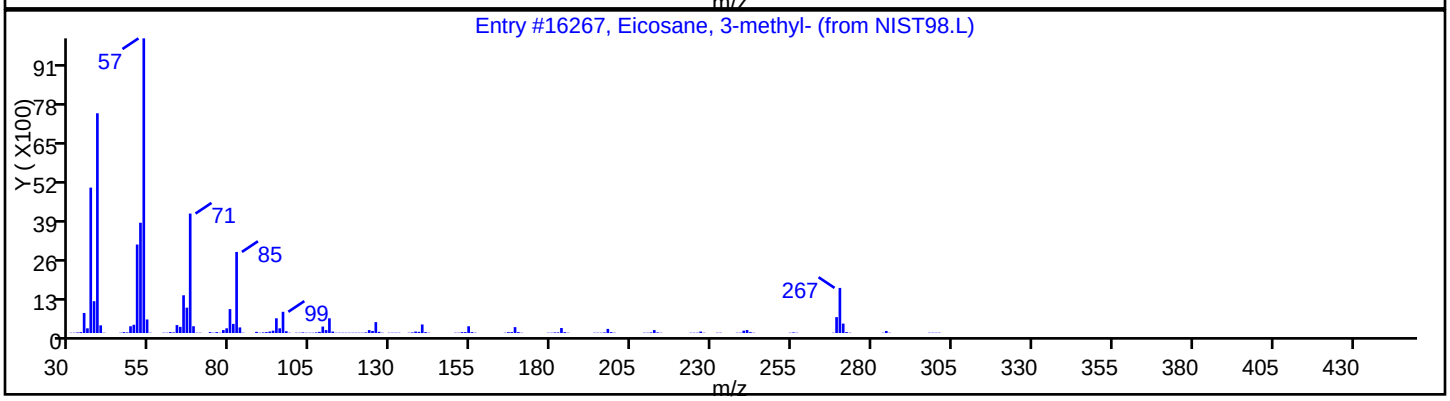
Sample Amount: 1.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane	638-67-5	NIST98.L	16532	96
Hexacosane	630-1-3	NIST98.L	112589	95
Eicosane, 3-methyl-	6418-46-8	NIST98.L	16267	94









Report Date: 21-Sep-2009 07:28:01 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-2.b\B10391.D

Inj Date: 18-Sep-2009 05:56:30 Limit Group: SMS - 8270LL SVOA Calibration

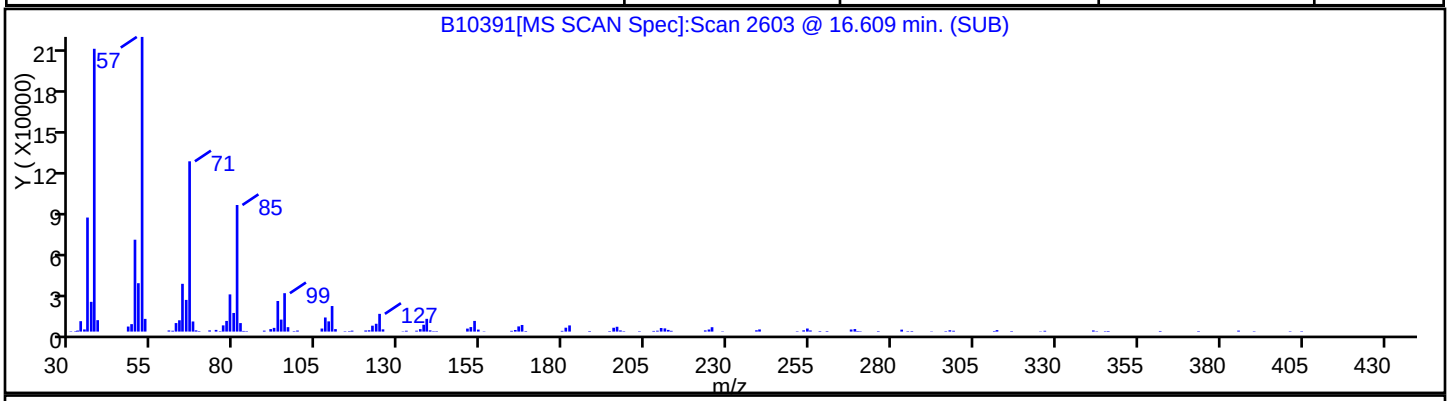
Lims Batch ID: 49098 Lims Sample ID: 21

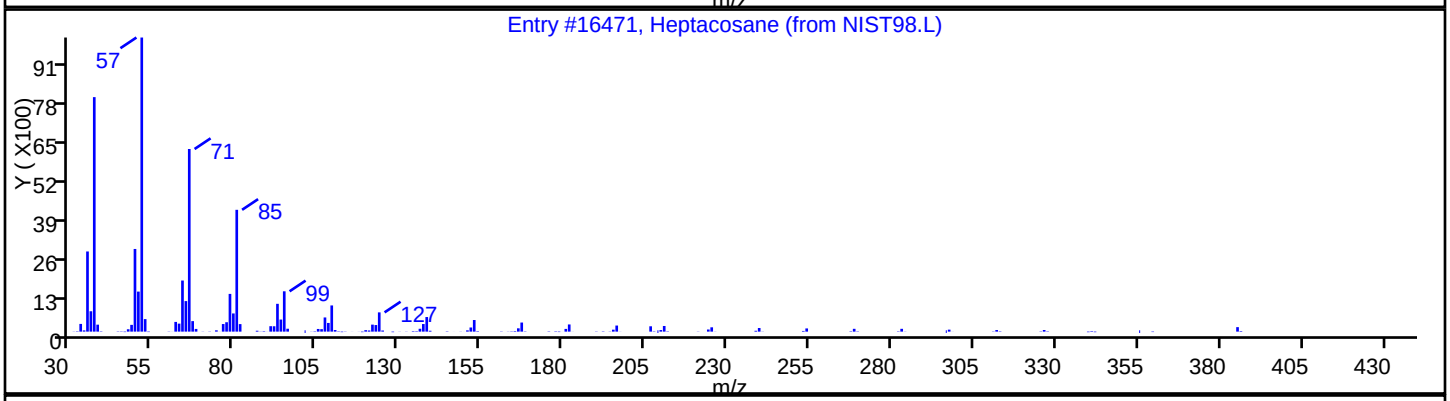
Client ID: OC-SB-403-13/15-XXX Instrument: Inst. B

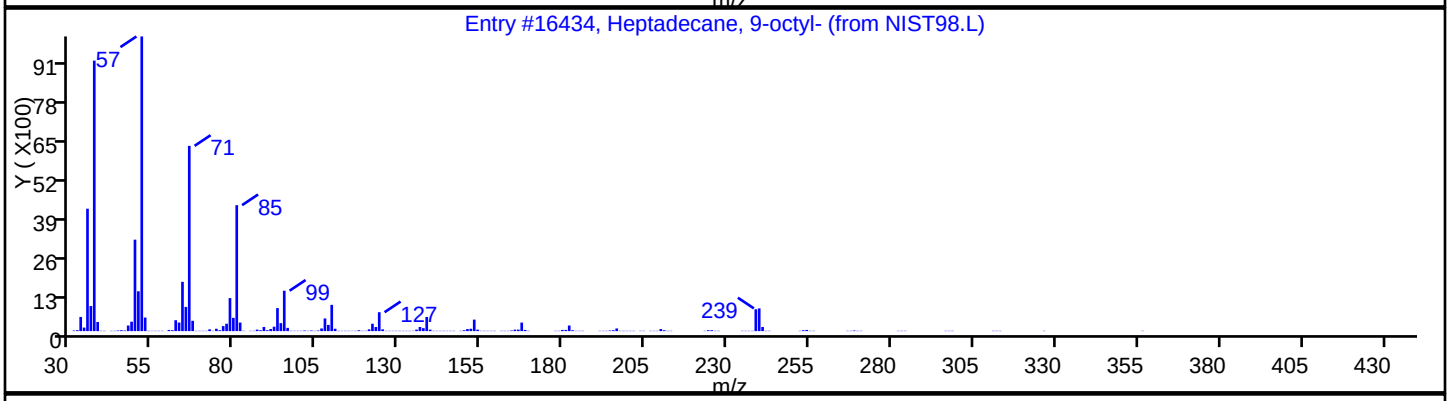
Sample Info: 360-24327-a-2-b

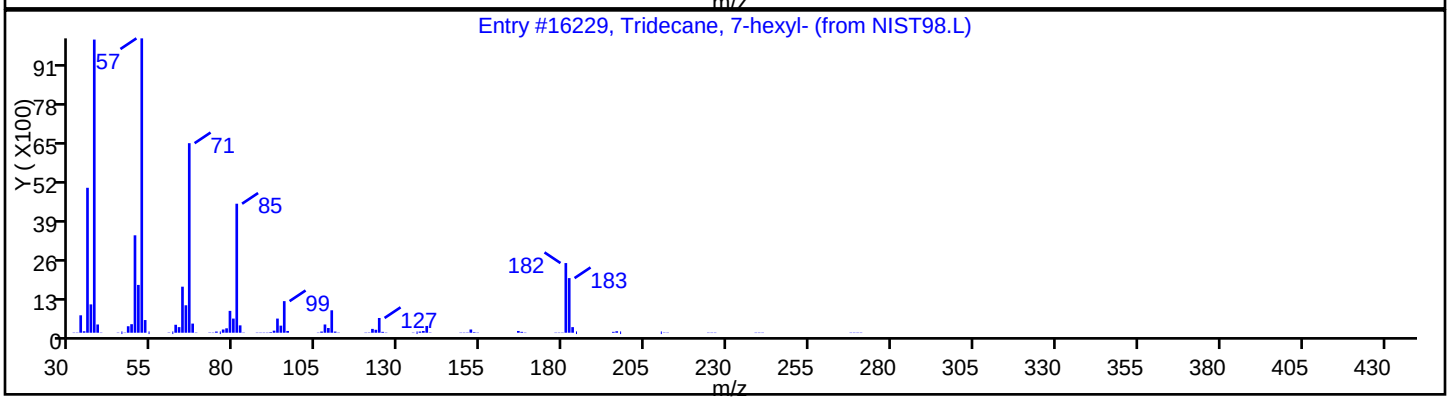
Sample Amount: 1.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptacosane	593-49-7	NIST98.L	16471	99
Heptadecane, 9-octyl-	7225-64-1	NIST98.L	16434	97
Tridecane, 7-hexyl-	7225-66-3	NIST98.L	16229	96





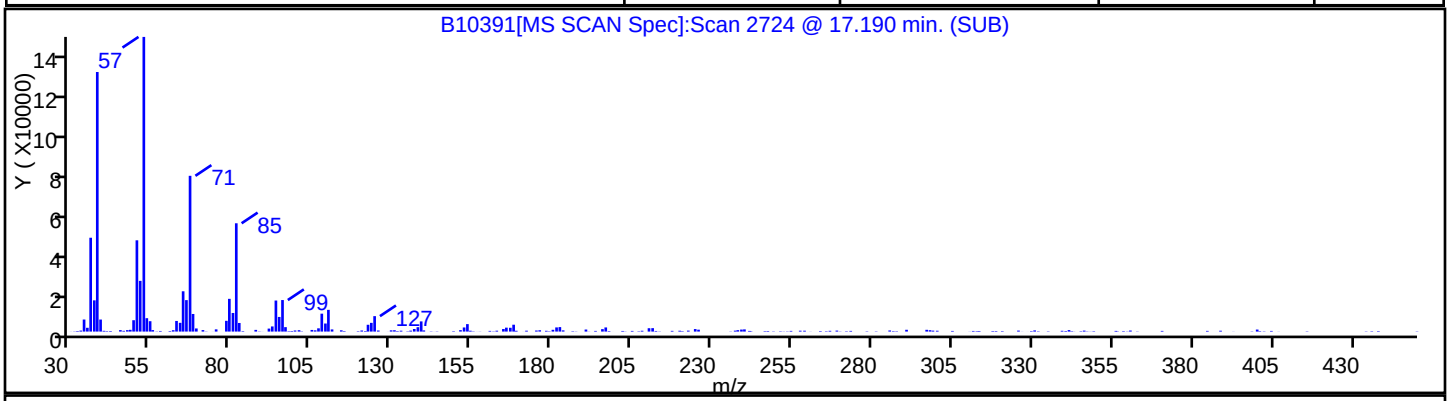


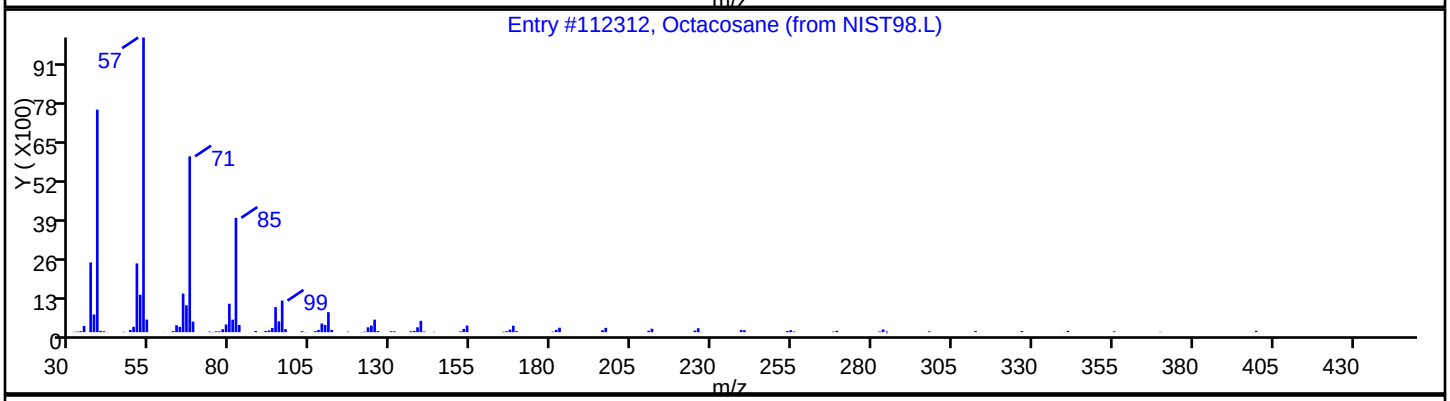


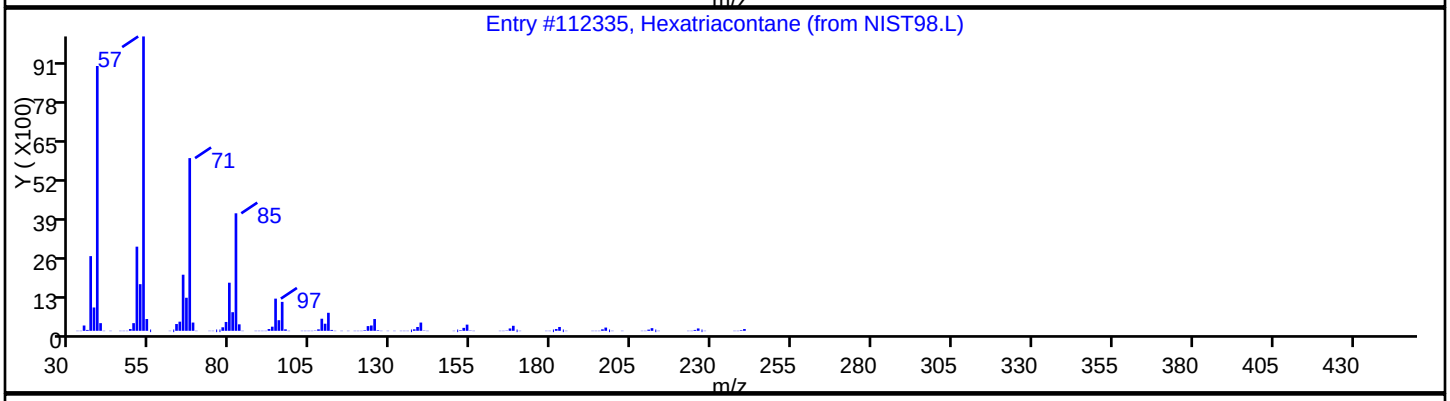
Report Date: 21-Sep-2009 07:28:01 Chrom Revision: 1.0.2009.910

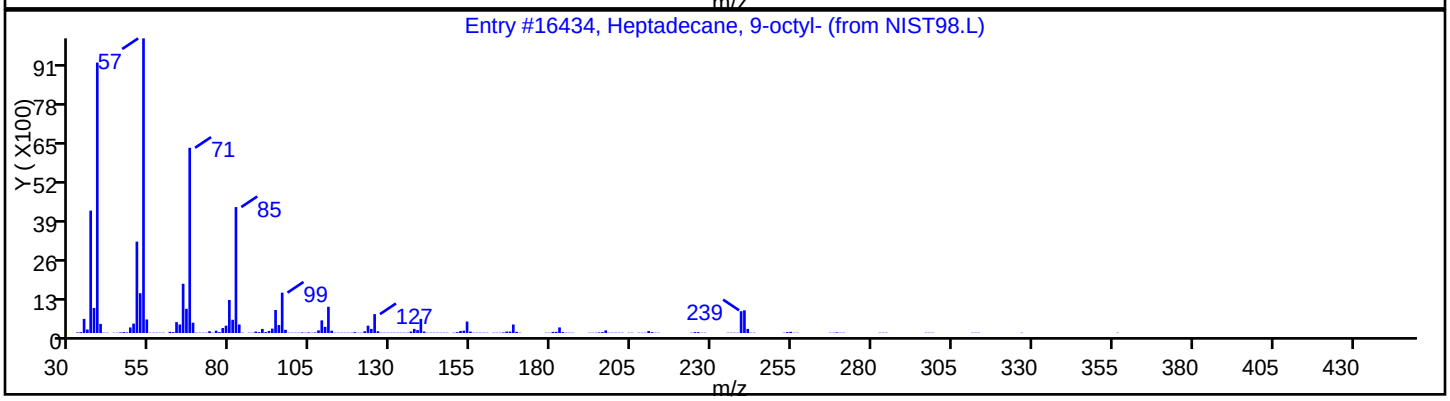
Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10391.D		
Inj Date:	18-Sep-2009 05:56:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49098	Lims Sample ID:	21
Client ID:	OC-SB-403-13/15-XXX	Instrument:	Inst. B
Sample Info:	360-24327-a-2-b		
Sample Amount:	1.00 uL	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octacosane	630-2-4	NIST98.L	112312	99
Hexatriacontane	630-6-8	NIST98.L	112335	94
Heptadecane, 9-octyl-	7225-64-1	NIST98.L	16434	93









Report Date: 21-Sep-2009 07:28:01 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-2.b\B10391.D

Inj Date: 18-Sep-2009 05:56:30 Limit Group: SMS - 8270LL SVOA Calibration

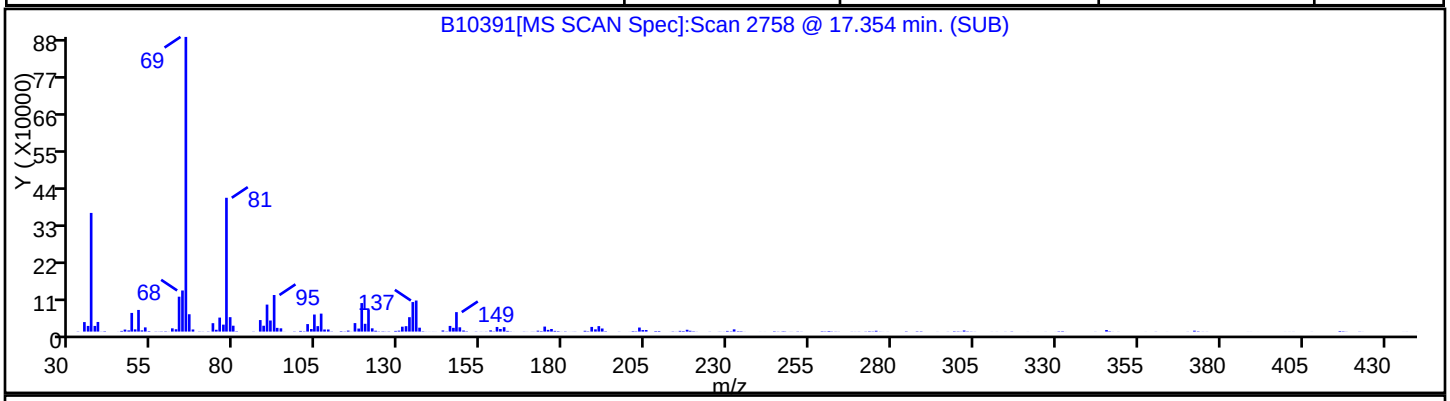
Lims Batch ID: 49098 Lims Sample ID: 21

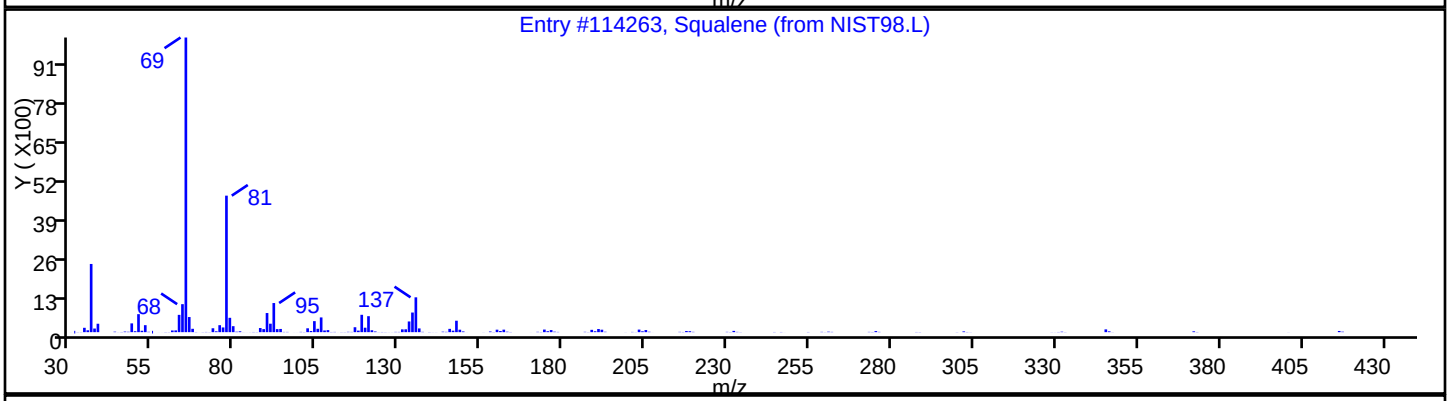
Client ID: OC-SB-403-13/15-XXX Instrument: Inst. B

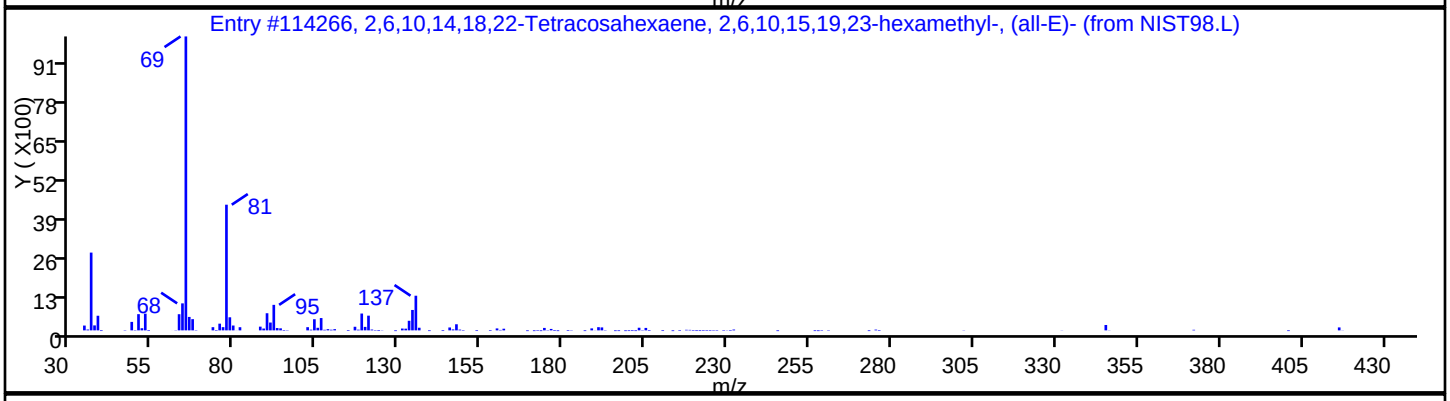
Sample Info: 360-24327-a-2-b

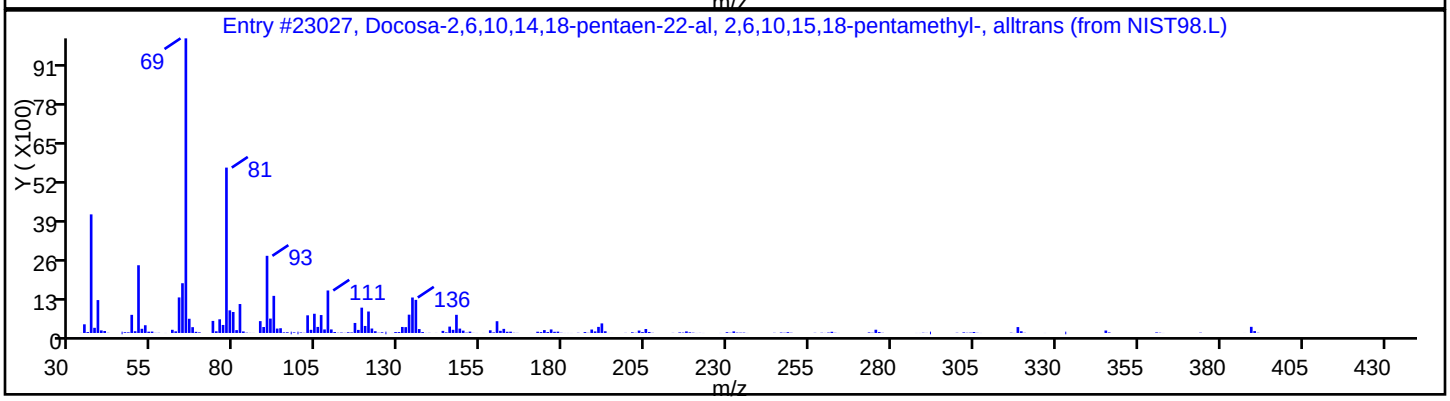
Sample Amount: 1.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	91
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	91
Docosa-2,6,10,14,18-pentaen-22-al, 2,6,1	1000163-4-7	NIST98.L	23027	90









Report Date: 21-Sep-2009 07:28:01 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-2.b\B10391.D

Inj Date: 18-Sep-2009 05:56:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49098 Lims Sample ID: 21

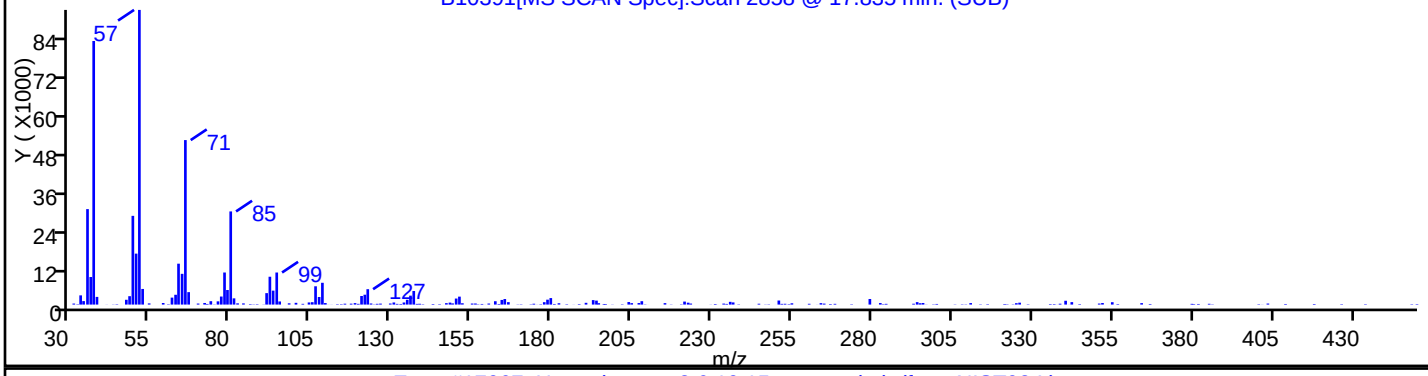
Client ID: OC-SB-403-13/15-XXX Instrument: Inst. B

Sample Info: 360-24327-a-2-b

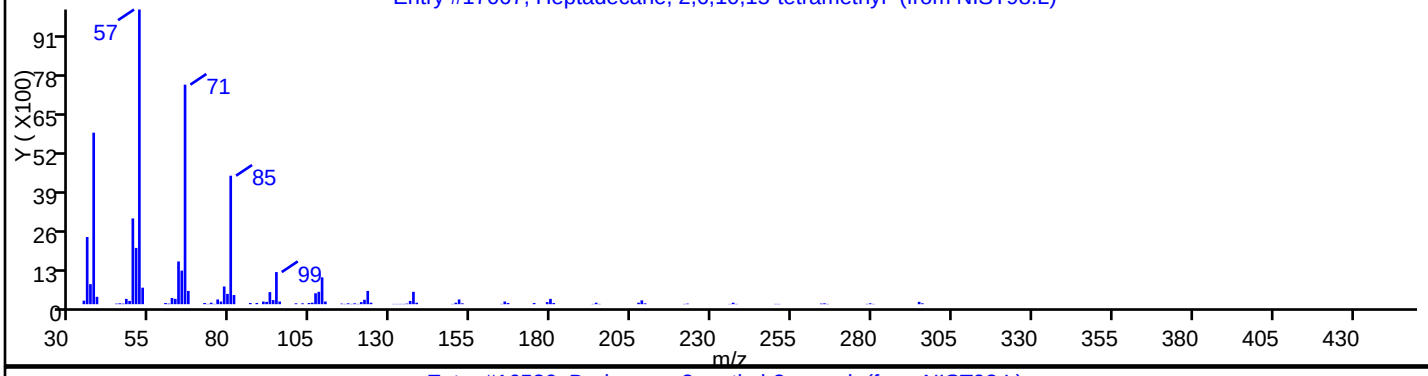
Sample Amount: 1.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.L	17067	93
Dodecane, 2-methyl-8-propyl-	55045-7-3	NIST98.L	16530	90
Heptadecane, 2-methyl-	1560-89-0	NIST98.L	16451	90

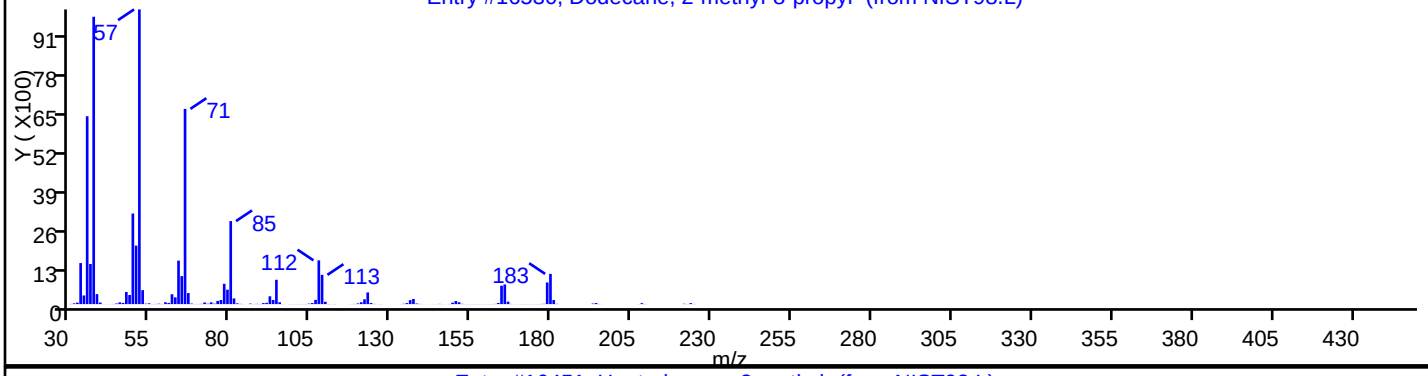
B10391[MS SCAN Spec]:Scan 2858 @ 17.835 min. (SUB)



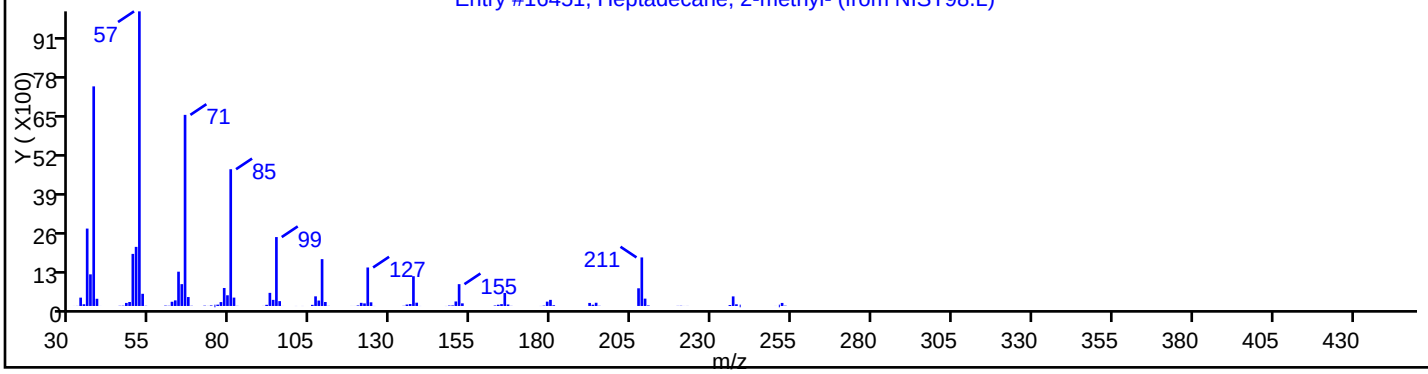
Entry #17067, Heptadecane, 2,6,10,15-tetramethyl- (from NIST98.L)



Entry #16530, Dodecane, 2-methyl-8-propyl- (from NIST98.L)



Entry #16451, Heptadecane, 2-methyl- (from NIST98.L)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-404-13/15-XXX | Lab Sample ID: 360-24327-4

Matrix: Solid | Lab File ID: J03002.D

Analysis Method: 8270C LL | Date Collected: 08/26/2009 15:40

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.25(g) | Date Analyzed: 09/17/2009 16:45

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

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

% Moisture: 6.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49095 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		35	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		35	2.4
120-82-1	1,2,4-Trichlorobenzene	ND		35	6.9
95-50-1	1,2-Dichlorobenzene	ND		35	3.8
541-73-1	1,3-Dichlorobenzene	ND		35	10
106-46-7	1,4-Dichlorobenzene	ND		35	6.4
90-12-0	1-Methylnaphthalene	ND		35	2.1
108-60-1	2,2'-oxybis[1-chloropropane]	ND		35	3.6
58-90-2	2,3,4,6-Tetrachlorophenol	ND		35	2.1
95-95-4	2,4,5-Trichlorophenol	ND		35	4.0
88-06-2	2,4,6-Trichlorophenol	ND		35	7.4
120-83-2	2,4-Dichlorophenol	ND		35	6.8
105-67-9	2,4-Dimethylphenol	ND		35	6.2
51-28-5	2,4-Dinitrophenol	ND		35	5.2
121-14-2	2,4-Dinitrotoluene	ND		35	5.0
606-20-2	2,6-Dinitrotoluene	ND		35	4.5
91-58-7	2-Chloronaphthalene	ND		35	5.4
95-57-8	2-Chlorophenol	ND		35	3.4
91-57-6	2-Methylnaphthalene	ND		35	27
95-48-7	2-Methylphenol	ND		35	5.0
88-74-4	2-Nitroaniline	ND		180	23
88-75-5	2-Nitrophenol	ND		35	4.1
15831-10-4	3 & 4 Methylphenol	ND		35	6.7
91-94-1	3,3'-Dichlorobenzidine	ND	*	71	26
99-09-2	3-Nitroaniline	ND		180	10
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	9.0
101-55-3	4-Bromophenyl phenyl ether	ND		35	7.4
59-50-7	4-Chloro-3-methylphenol	ND		71	9.8
106-47-8	4-Chloroaniline	ND		71	14
7005-72-3	4-Chlorophenyl phenyl ether	ND		35	5.6
100-01-6	4-Nitroaniline	ND		180	9.4
100-02-7	4-Nitrophenol	ND		180	6.9
83-32-9	Acenaphthene	ND		35	5.2
208-96-8	Acenaphthylene	ND		35	6.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-404-13/15-XXX | Lab Sample ID: 360-24327-4

Matrix: Solid | Lab File ID: J03002.D

Analysis Method: 8270C LL | Date Collected: 08/26/2009 15:40

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.25(g) | Date Analyzed: 09/17/2009 16:45

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

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

% Moisture: 6.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49095 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		35	3.8
62-53-3	Aniline	ND	*	35	18
120-12-7	Anthracene	ND		35	11
1912-24-9	Atrazine	ND		35	11
103-33-3	Azobenzene	ND		35	4.4
100-52-7	Benzaldehyde	ND	*	35	11
56-55-3	Benzo[a]anthracene	ND		35	6.8
50-32-8	Benzo[a]pyrene	ND		35	6.5
205-99-2	Benzo[b]fluoranthene	ND		35	8.1
191-24-2	Benzo[g,h,i]perylene	ND		35	6.9
207-08-9	Benzo[k]fluoranthene	ND		35	9.8
65-85-0	Benzoic acid	ND		180	15
119-61-9	Benzophenone	ND		35	2.1
100-51-6	Benzyl alcohol	ND		71	8.2
111-91-1	Bis(2-chloroethoxy)methane	ND		35	6.4
111-44-4	Bis(2-chloroethyl)ether	ND	*	35	8.6
117-81-7	Bis(2-ethylhexyl) phthalate	ND		35	11
85-68-7	Butyl benzyl phthalate	ND		35	7.7
105-60-2	Caprolactam	ND		35	11
86-74-8	Carbazole	ND		35	35
218-01-9	Chrysene	ND		35	7.6
53-70-3	Dibenz(a,h)anthracene	ND		35	7.1
132-64-9	Dibenzofuran	ND		35	20
84-66-2	Diethyl phthalate	ND		35	5.0
131-11-3	Dimethyl phthalate	ND		35	5.2
84-74-2	Di-n-butyl phthalate	ND		35	11
117-84-0	Di-n-octyl phthalate	ND		35	10
101-84-8	Diphenyl oxide	ND		35	11
206-44-0	Fluoranthene	ND		35	22
86-73-7	Fluorene	ND		35	14
118-74-1	Hexachlorobenzene	ND		35	8.4
87-68-3	Hexachlorobutadiene	ND		35	7.0
77-47-4	Hexachlorocyclopentadiene	ND		71	9.7
67-72-1	Hexachloroethane	ND		35	6.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-404-13/15-XXX | Lab Sample ID: 360-24327-4

Matrix: Solid | Lab File ID: J03002.D

Analysis Method: 8270C LL | Date Collected: 08/26/2009 15:40

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.25(g) | Date Analyzed: 09/17/2009 16:45

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

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

% Moisture: 6.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49095 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		35	11
78-59-1	Isophorone	ND		35	7.6
91-20-3	Naphthalene	ND		85	78
98-95-3	Nitrobenzene	ND		35	4.8
62-75-9	N-Nitrosodimethylamine	ND		35	4.1
621-64-7	N-Nitrosodi-n-propylamine	ND		35	4.0
86-30-6	N-Nitrosodiphenylamine	ND		35	7.1
87-86-5	Pentachlorophenol	ND		35	7.3
85-01-8	Phenanthrene	ND		42	41
108-95-2	Phenol	ND		35	4.4
129-00-0	Pyrene	ND		35	9.4

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	77	30-130	
321-60-8	2-Fluorobiphenyl	68	30-130	
367-12-4	2-Fluorophenol	77	30-130	
4165-60-0	Nitrobenzene-d5	67	30-130	
4165-62-2	Phenol-d5	74	30-130	
1718-51-0	Terphenyl-d14	87	30-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-404-13/15-XXX Lab Sample ID: 360-24327-4

Matrix: Solid Lab File ID: J03002.D

Analysis Method: 8270C LL Date Collected: 08/26/2009 15:40

Extract. Method: 3546 Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.25(g) Date Analyzed: 09/17/2009 16:45

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

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

% Moisture: 6.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 49095 Units: ug/Kg

Number TICs Found: 5 TIC Result Total: 502

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	5.56	15	T J
615-22-5	Benzothiazole, 2-(methylthio)-	10.28	18	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.74	14	T J N
74685-33-9	3-Eicosene, (E)-	13.64	25	T J N
111-2-4	2,6,10,14,18,22-Tetracosahexaene, 2,6,10	14.65	430	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090917-1.b\J03002.D		
Lims ID:	360-24327-A-4-B	Client ID:	OC-SB-404-13/15-XXX
Inject. Date:	17-Sep-2009 16:45:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24327-a-4-b		
Misc. Info.:	360-0001206-010		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49095	Lims Sample ID:	10
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090917-1.b\8270NDMA.m		
Last Update:	18-Sep-2009 12:26:10	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	18-Sep-2009 12:26:10

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.597	6.600	-0.003	80825	2.00	
* 2 Naphthalene-d8	136	7.920	7.922	-0.002	205077	2.00	
* 3 Acenaphthene-d10	164	9.656	9.658	-0.002	100629	2.00	
* 4 Phenanthrene-d10	188	11.103	11.106	-0.003	160688	2.00	
* 5 Chrysene-d12	240	13.690	13.688	0.002	97641	2.00	
* 6 Perylene-d12	264	15.066	15.063	0.003	57660	2.00	
$ 7 2-Fluorophenol	112	4.991	4.950	0.041	195268	7.71	
$ 8 Phenol-d5	99	6.270	6.263	0.007	232423	7.43	
$ 9 Nitrobenzene-d5	82	7.199	7.201	-0.002	105193	3.34	
$ 10 2-Fluorobiphenyl	172	9.011	9.009	0.002	217036	3.40	
$ 11 2,4,6-Tribromophenol	330	10.430	10.428	0.002	49784	7.66	
$ 12 Terphenyl-d14	244	12.685	12.683	0.002	162628	4.36	
30 Acetophenone	105	7.049	7.052	-0.003	2978	0.0827	
41 Naphthalene	128	7.939	7.941	-0.002	21886	0.2328	
46 2-Methylnaphthalene	142	8.632	8.639	-0.007	4839	0.0830	
47 1-Methylnaphthalene	142	8.733	8.730	0.003	1413	0.0239	
52 1,1'-Biphenyl	154	9.103	9.105	-0.002	1252	0.0177	
61 Acenaphthene	153	9.685	9.687	-0.002	1113	0.0202	
64 Dibenzofuran	168	9.858	9.860	-0.002	3211	0.0426	
80 Phenanthrene	178	11.127	11.125	0.002	1893	0.0232	
84 Di-n-butyl phthalate	149	11.724	11.721	0.003	16598	0.1902	
89 Butyl benzyl phthalate	149	13.185	13.183	0.002	2383	0.1941	
92 Bis(2-ethylhexyl) phthalate	149	13.763	13.760	0.003	7919	0.2852	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090917-1.b\J03002.D		
Lims ID:	360-24327-A-4-B	Client ID:	OC-SB-404-13/15-XXX
Inject. Date:	17-Sep-2009 16:45:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24327-a-4-b		
Misc. Info.:	360-0001206-010		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49095	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090917-1.b\8270NDMA.m		
Last Update:	18-Sep-2009 12:26:10	Calib Date:	15-Sep-2009 21:23:30
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:	18-Sep-2009 12:26:10

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Alpha-Terpineol	7.973	324	0.0171	
Benzidine	12.320	176	0.8215	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
5.559	75642	0.4327	1			
	615-22-5	Benzothiazole, 2-(methylthio)-				
10.276	109716	0.4989	3	98	125389	
	3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3				
10.743	92704	0.3965	4	98	126944	
	74685-33-9	3-Eicosene, (E)-				
13.642	104396	0.7084	5	96	16986	
	111-2-4	2,6,10,14,18,22-Tetracosahexaene, 2,6,10				
14.652	1018947	12.2	6	91	114266	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	6.597	349620	2.00
* 3 Acenaphthene-d10	9.656	439849	2.00
* 4 Phenanthrene-d10	11.103	467559	2.00
* 5 Chrysene-d12	13.690	294719	2.00

Report Date: 18-Sep-2009 12:26:11 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTJ.i\20090917-1.b\J03002.D

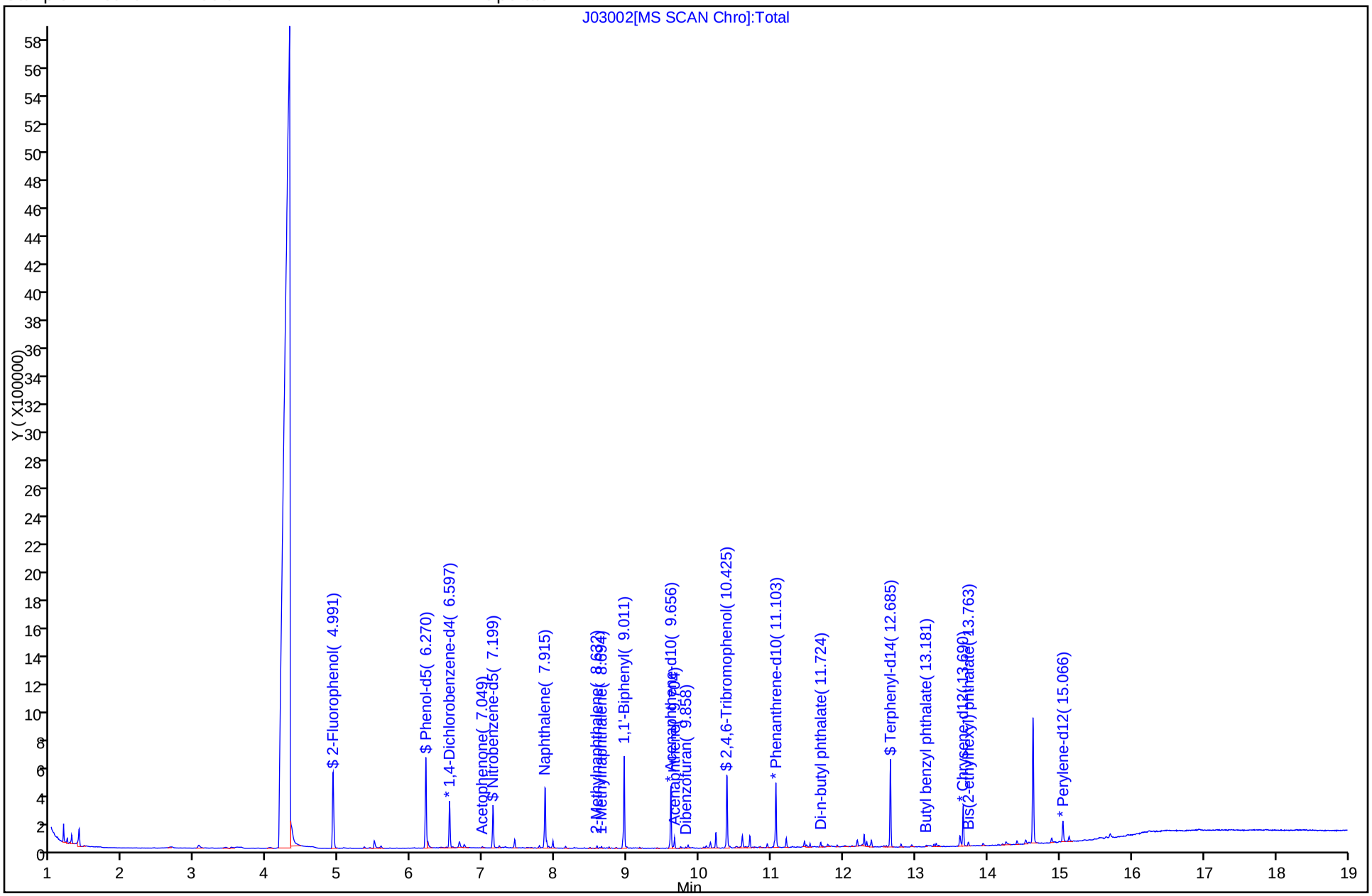
Compound	RT	Response	Amount ug/mL
* 6 Perylene-d12	15.066	167001	2.00

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 12:26:11 Chrom Revision: 1.0.2009.910

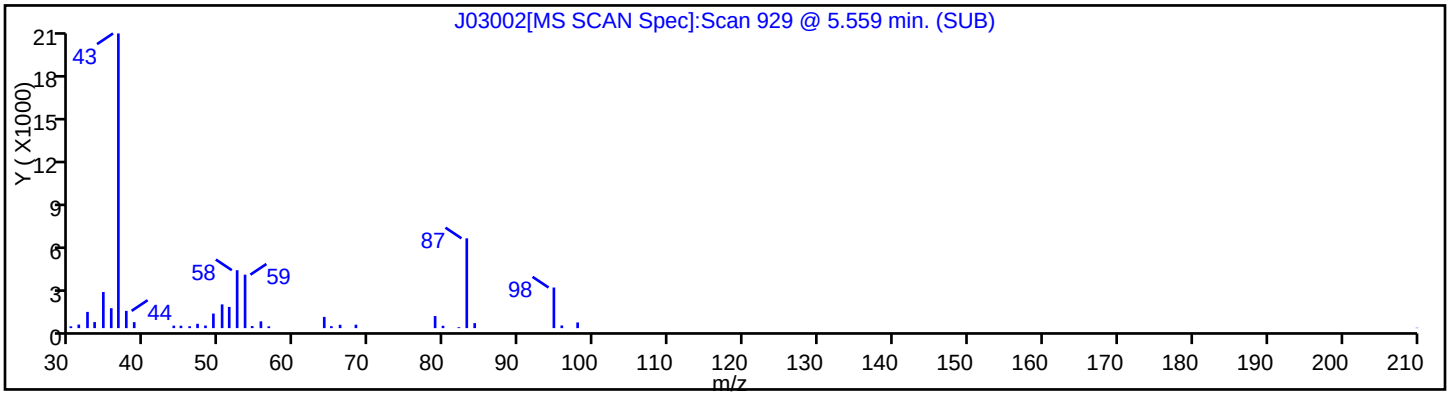
Data File:	\\wessvr06\chromdata\INSTJ.i\20090917-1.b\J03002.D		
Inj Date:	17-Sep-2009 16:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49095	Lims Sample ID:	10
Client ID:	OC-SB-404-13/15-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-4-b		
Sample Amount:	1.00 uL	Operator:	



Report Date: 18-Sep-2009 12:26:12 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090917-1.b\J03002.D		
Inj Date:	17-Sep-2009 16:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49095	Lims Sample ID:	10
Client ID:	OC-SB-404-13/15-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-4-b		
Sample Amount:	1.00 uL	Operator:	

No Library Matches Found above the Threshold: 50



Report Date: 18-Sep-2009 12:26:12 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090917-1.b\J03002.D

Inj Date: 17-Sep-2009 16:45:30 Limit Group: SMS - 8270LL SVOA Calibration

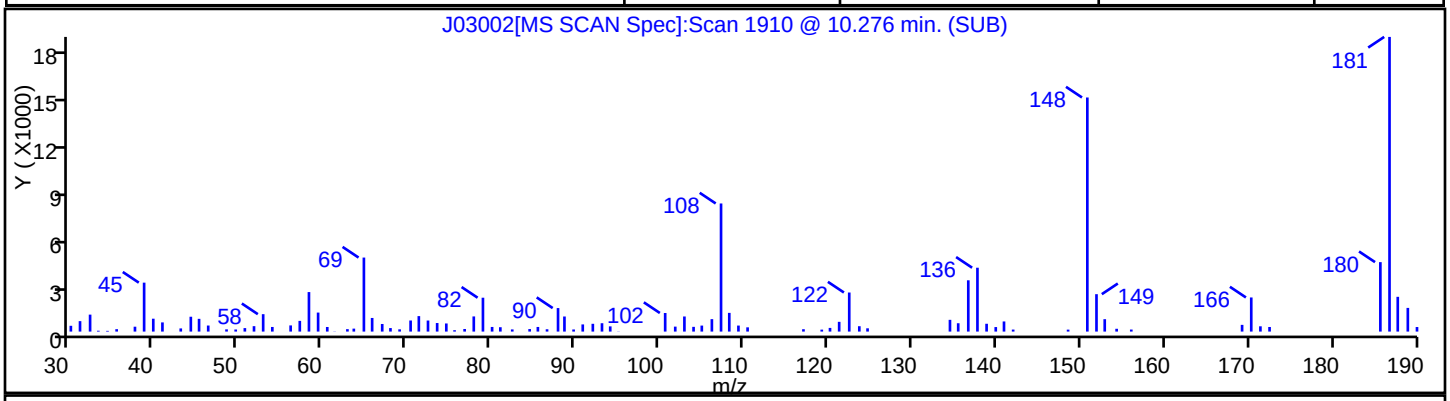
Lims Batch ID: 49095 Lims Sample ID: 10

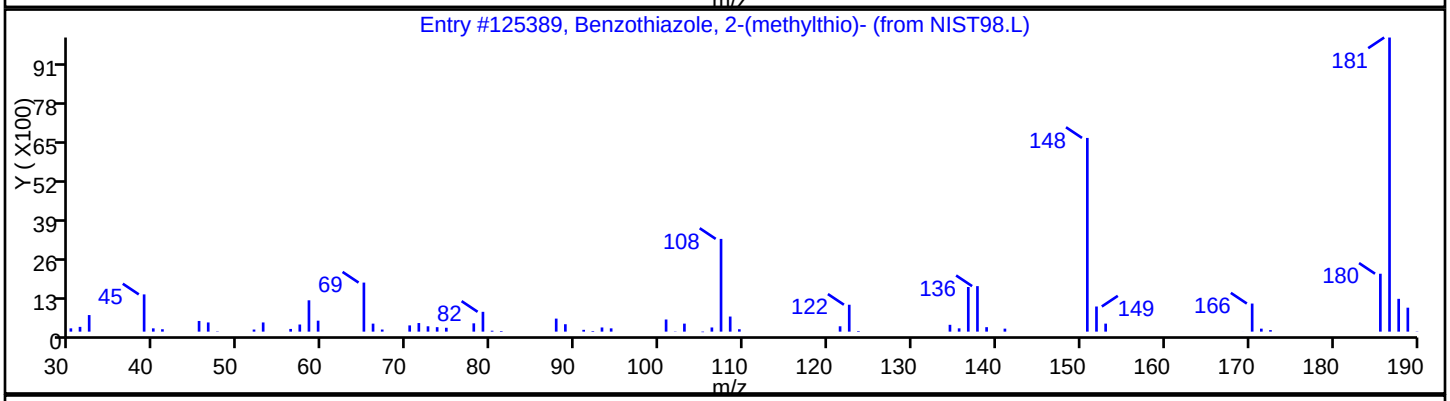
Client ID: OC-SB-404-13/15-XXX Instrument: Inst. J

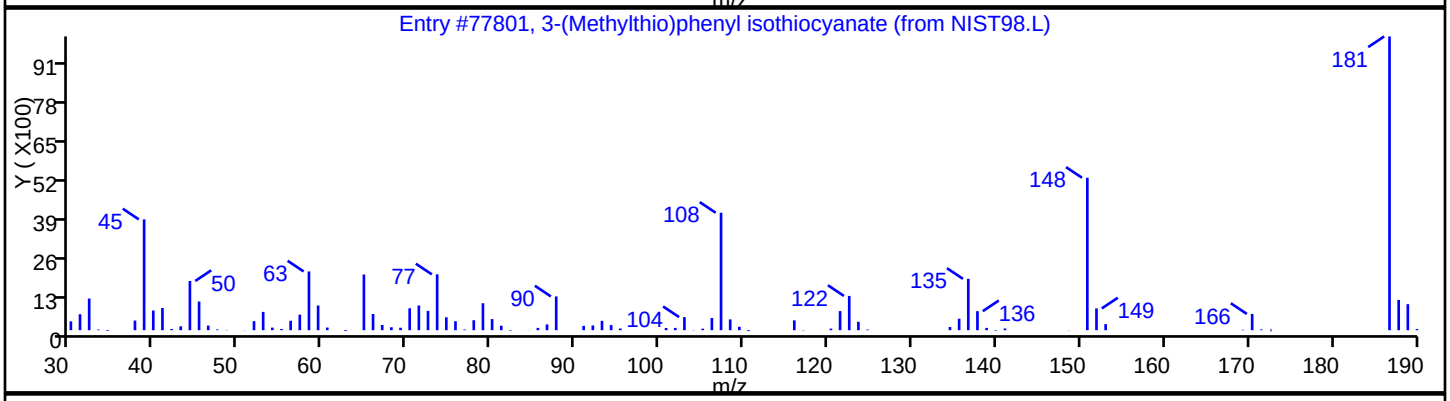
Sample Info: 360-24327-a-4-b

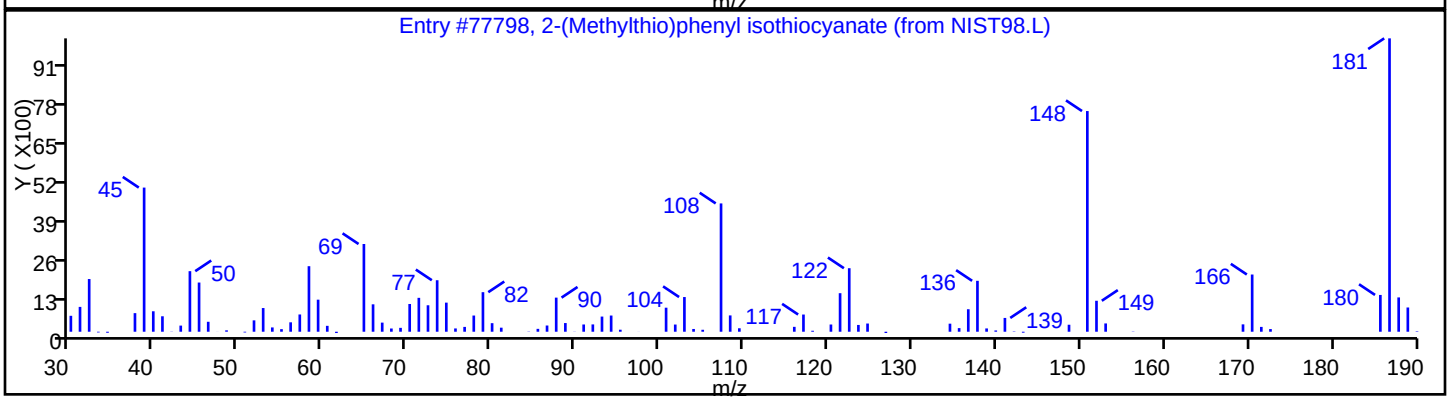
Sample Amount: 1.00 uL Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	125389	98
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	86
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	80









Report Date: 18-Sep-2009 12:26:12 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090917-1.b\J03002.D

Inj Date: 17-Sep-2009 16:45:30 Limit Group: SMS - 8270LL SVOA Calibration

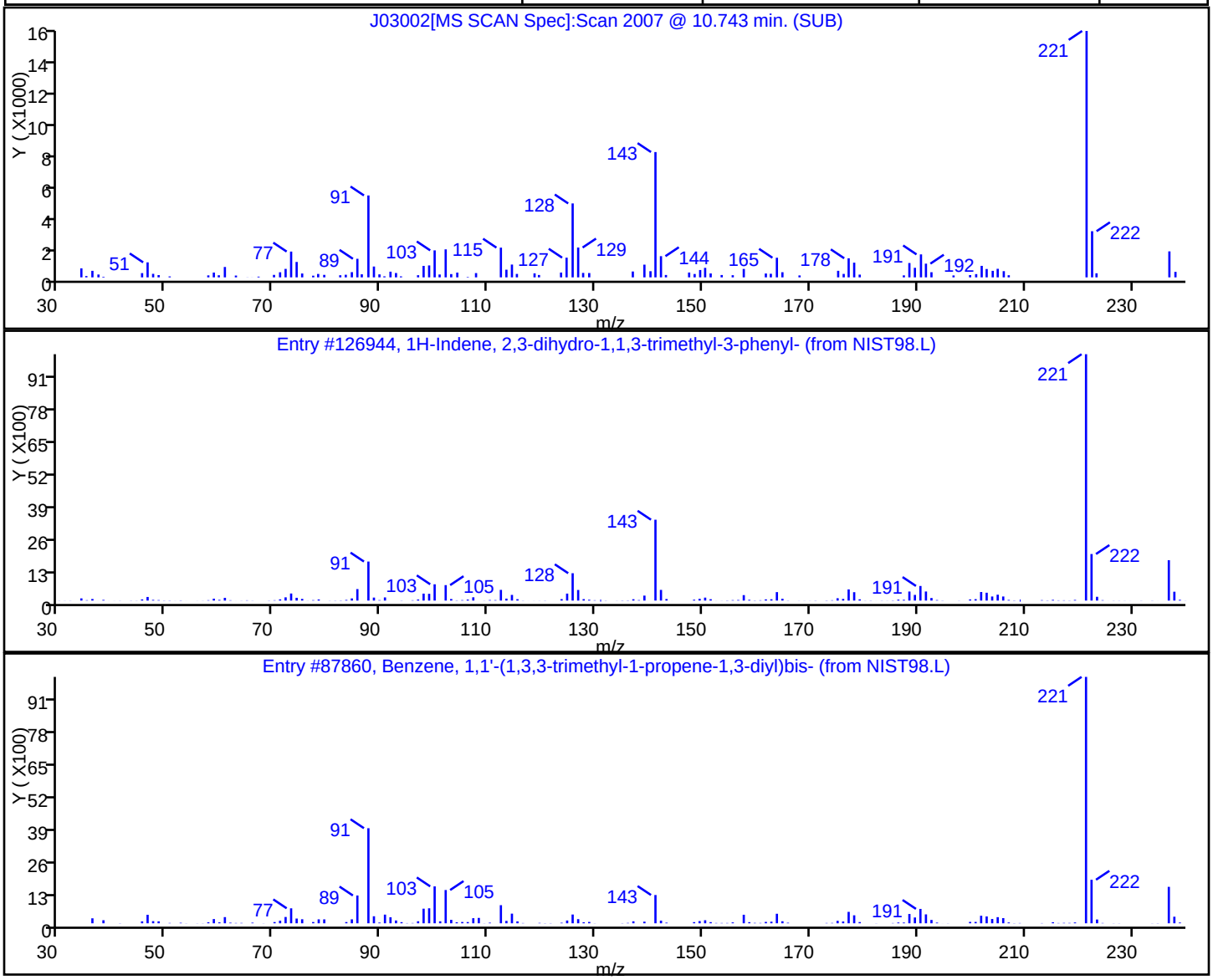
Lims Batch ID: 49095 Lims Sample ID: 10

Client ID: OC-SB-404-13/15-XXX Instrument: Inst. J

Sample Info: 360-24327-a-4-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	98
Benzene, 1,1'-(1,3,3-trimethyl-1-propene	6258-73-7	NIST98.L	87860	64



Report Date: 18-Sep-2009 12:26:12 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090917-1.b\J03002.D

Inj Date: 17-Sep-2009 16:45:30 Limit Group: SMS - 8270LL SVOA Calibration

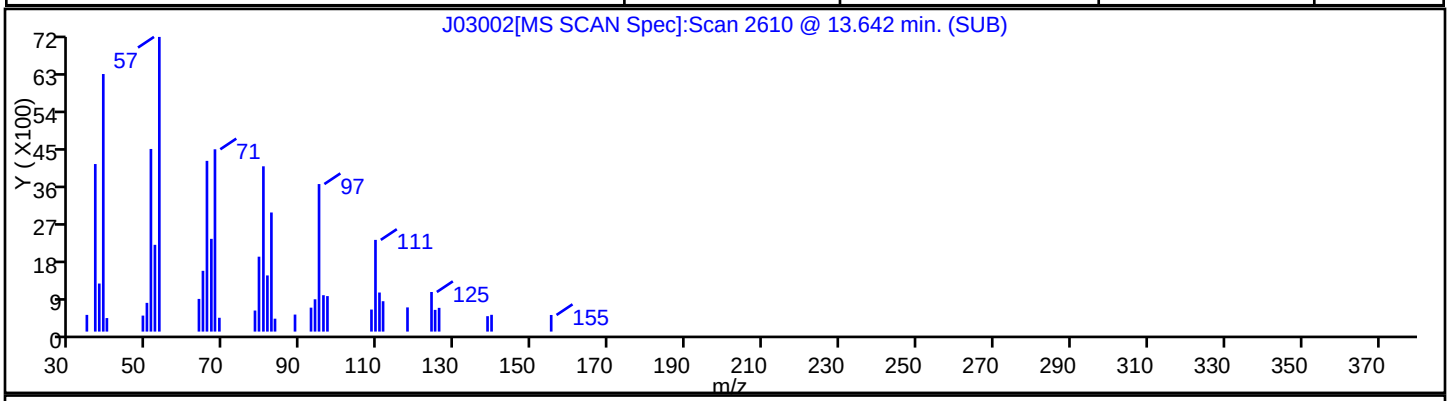
Lims Batch ID: 49095 Lims Sample ID: 10

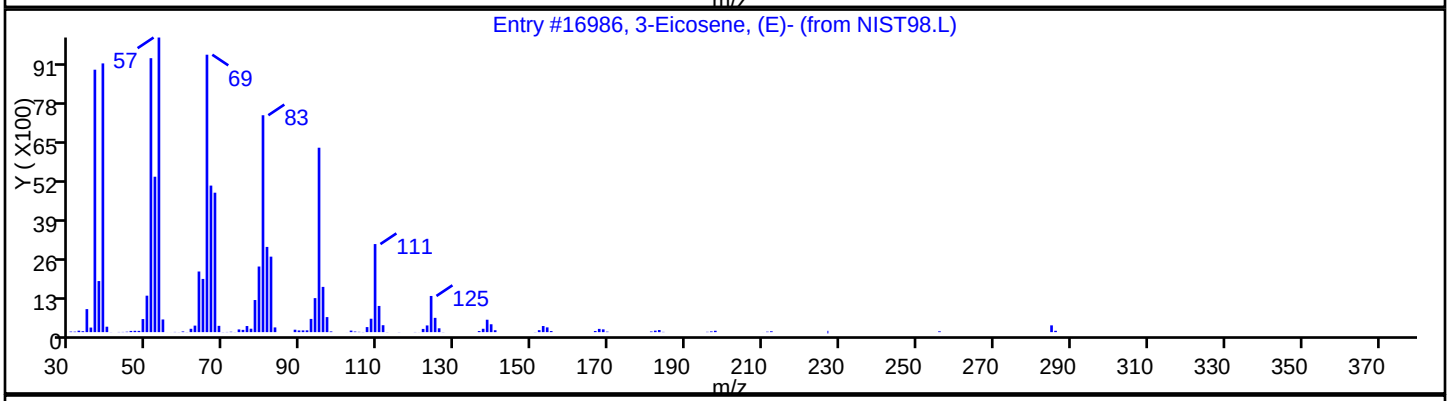
Client ID: OC-SB-404-13/15-XXX Instrument: Inst. J

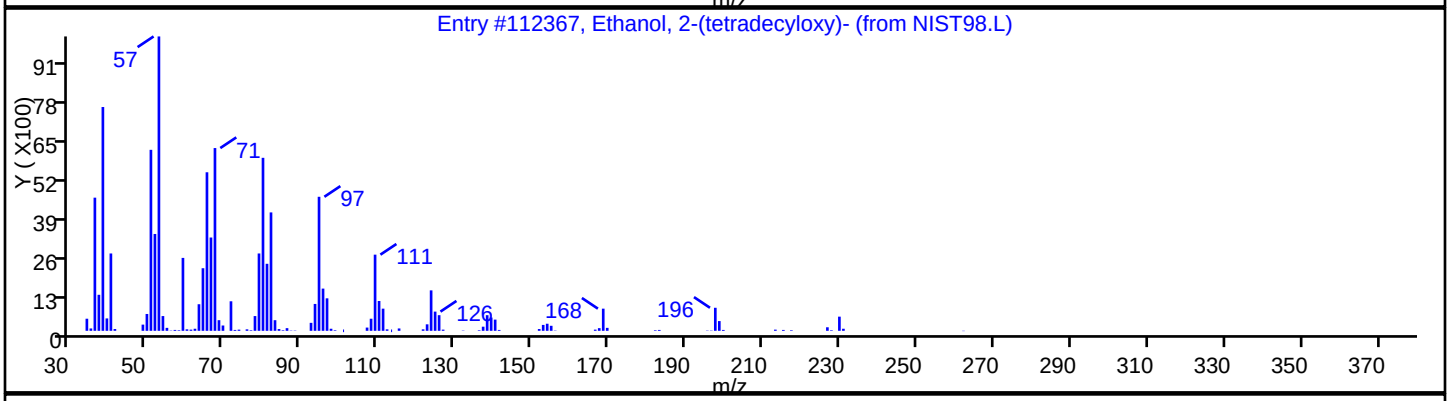
Sample Info: 360-24327-a-4-b

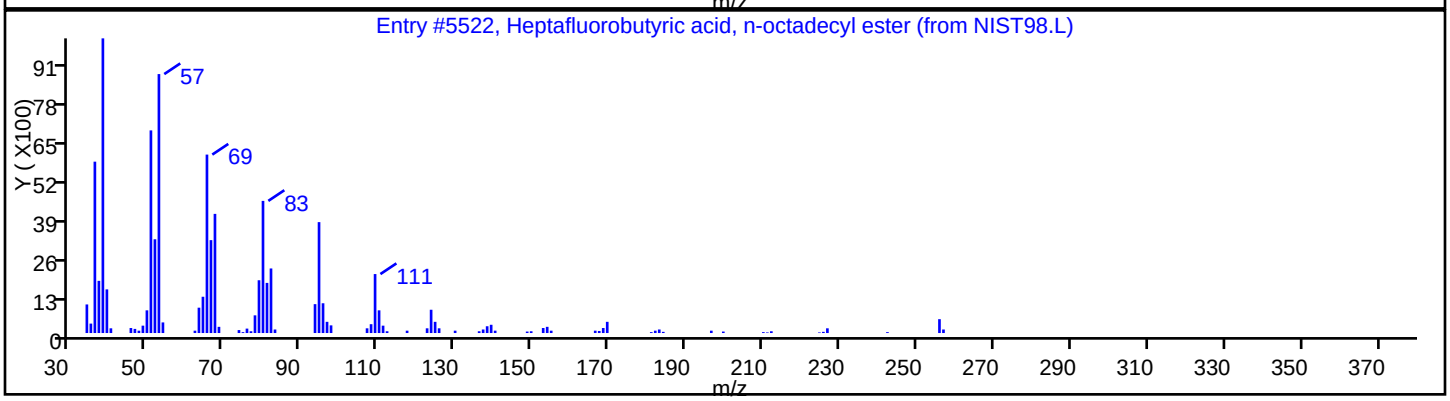
Sample Amount: 1.00 uL Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
3-Eicosene, (E)-	74685-33-9	NIST98.L	16986	96
Ethanol, 2-(tetradecyloxy)-	2136-70-1	NIST98.L	112367	90
Heptafluorobutyric acid, n-octadecyl est	1000216-79-5	NIST98.L	5522	83









Report Date: 18-Sep-2009 12:26:13 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090917-1.b\J03002.D

Inj Date: 17-Sep-2009 16:45:30 Limit Group: SMS - 8270LL SVOA Calibration

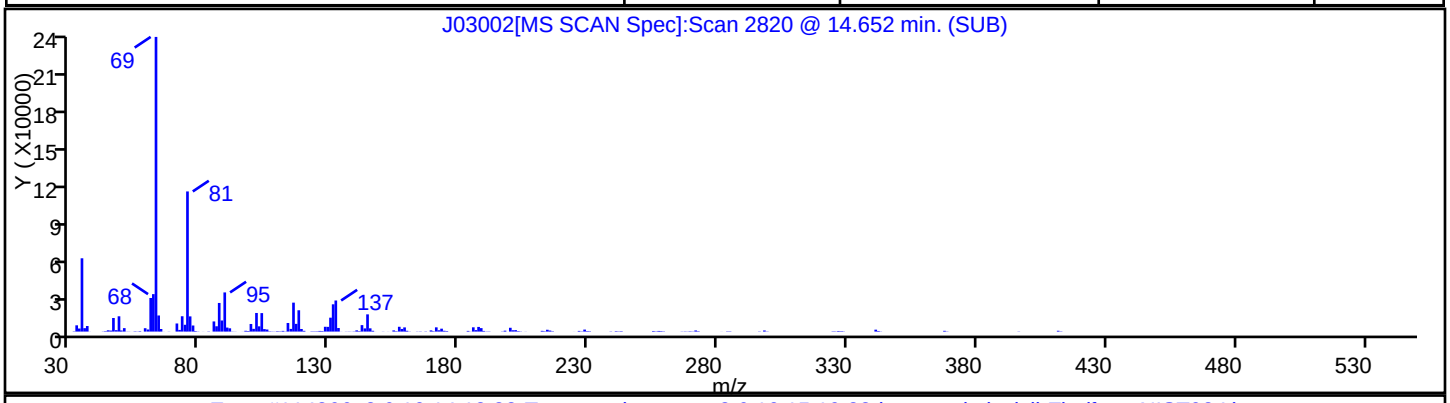
Lims Batch ID: 49095 Lims Sample ID: 10

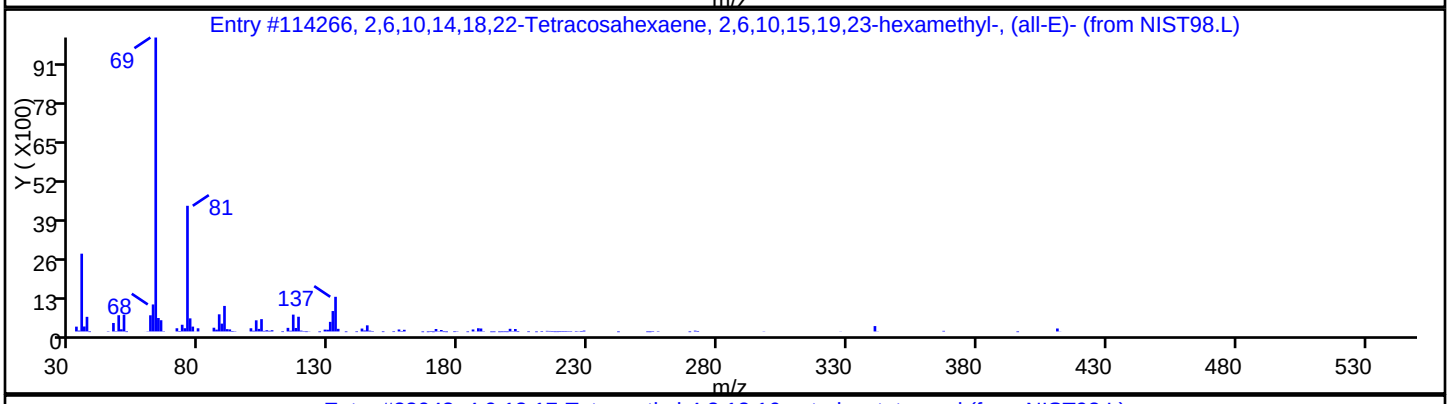
Client ID: OC-SB-404-13/15-XXX Instrument: Inst. J

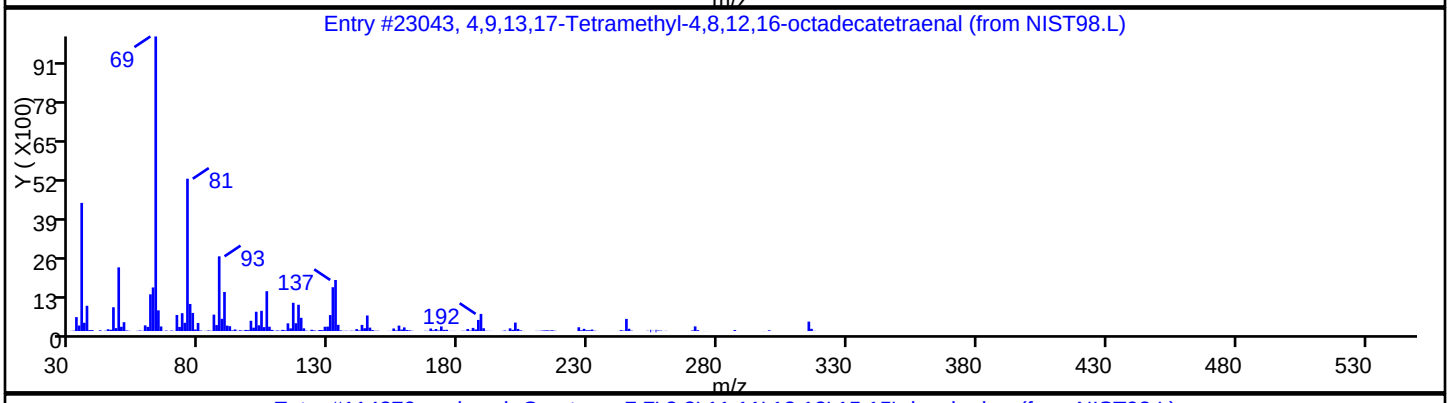
Sample Info: 360-24327-a-4-b

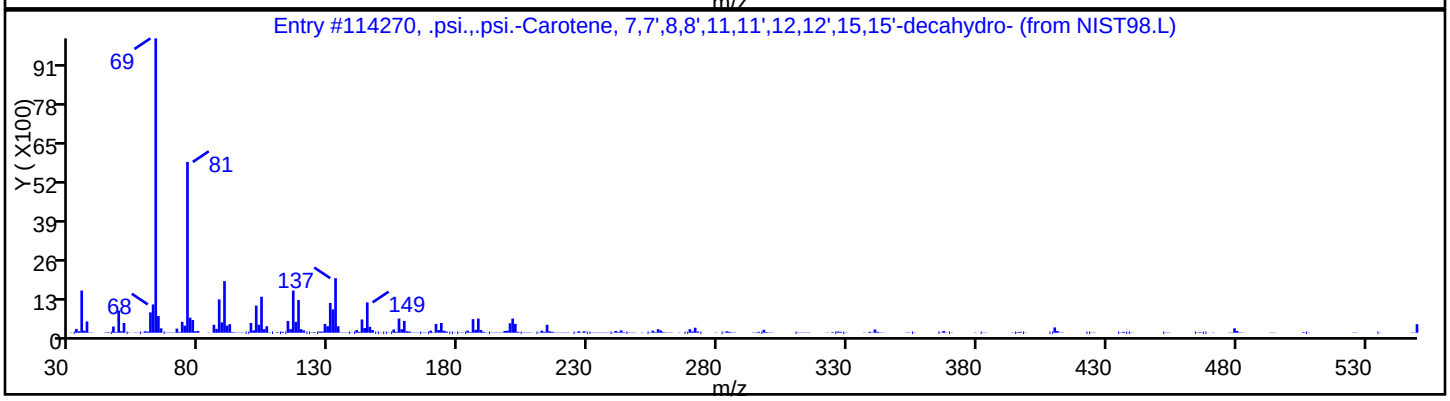
Sample Amount: 1.00 uL Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
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
.psi.,.psi.-Carotene, 7,7',8,8',11,11',1	502-62-5	NIST98.L	114270	78









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-409-15/17-XXX | Lab Sample ID: 360-24327-7

Matrix: Solid | Lab File ID: J03011.D

Analysis Method: 8270C LL | Date Collected: 08/26/2009 17:15

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.38(g) | Date Analyzed: 09/18/2009 16:14

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

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

% Moisture: 11.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49174 | 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	2.5
120-82-1	1,2,4-Trichlorobenzene	ND		37	7.2
95-50-1	1,2-Dichlorobenzene	ND		37	4.0
541-73-1	1,3-Dichlorobenzene	ND		37	11
106-46-7	1,4-Dichlorobenzene	ND		37	6.7
90-12-0	1-Methylnaphthalene	ND		37	2.2
108-60-1	2,2'-oxybis[1-chloropropane]	ND		37	3.8
58-90-2	2,3,4,6-Tetrachlorophenol	ND		37	2.2
95-95-4	2,4,5-Trichlorophenol	ND		37	4.2
88-06-2	2,4,6-Trichlorophenol	ND		37	7.8
120-83-2	2,4-Dichlorophenol	ND		37	7.2
105-67-9	2,4-Dimethylphenol	ND		37	6.5
51-28-5	2,4-Dinitrophenol	ND		37	5.5
121-14-2	2,4-Dinitrotoluene	ND		37	5.2
606-20-2	2,6-Dinitrotoluene	ND		37	4.7
91-58-7	2-Chloronaphthalene	ND		37	5.7
95-57-8	2-Chlorophenol	ND		37	3.6
91-57-6	2-Methylnaphthalene	ND		37	28
95-48-7	2-Methylphenol	ND		37	5.3
88-74-4	2-Nitroaniline	ND		190	24
88-75-5	2-Nitrophenol	ND		37	4.3
15831-10-4	3 & 4 Methylphenol	ND		37	7.1
91-94-1	3,3'-Dichlorobenzidine	ND	*	74	27
99-09-2	3-Nitroaniline	ND		190	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		190	9.5
101-55-3	4-Bromophenyl phenyl ether	ND		37	7.7
59-50-7	4-Chloro-3-methylphenol	ND		74	10
106-47-8	4-Chloroaniline	ND		74	15
7005-72-3	4-Chlorophenyl phenyl ether	ND		37	5.9
100-01-6	4-Nitroaniline	ND		190	9.9
100-02-7	4-Nitrophenol	ND		190	7.2
83-32-9	Acenaphthene	ND		37	5.5
208-96-8	Acenaphthylene	ND		37	6.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-409-15/17-XXX | Lab Sample ID: 360-24327-7

Matrix: Solid | Lab File ID: J03011.D

Analysis Method: 8270C LL | Date Collected: 08/26/2009 17:15

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.38(g) | Date Analyzed: 09/18/2009 16:14

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

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

% Moisture: 11.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49174 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	5.6	J	37	4.0
62-53-3	Aniline	ND	*	37	19
120-12-7	Anthracene	ND		37	12
1912-24-9	Atrazine	ND		37	11
103-33-3	Azobenzene	ND		37	4.6
100-52-7	Benzaldehyde	ND		37	11
56-55-3	Benzo[a]anthracene	ND		37	7.1
50-32-8	Benzo[a]pyrene	ND		37	6.8
205-99-2	Benzo[b]fluoranthene	ND		37	8.5
191-24-2	Benzo[g,h,i]perylene	ND		37	7.2
207-08-9	Benzo[k]fluoranthene	ND		37	10
65-85-0	Benzoic acid	ND		190	16
119-61-9	Benzophenone	ND		37	2.2
100-51-6	Benzyl alcohol	ND		74	8.6
111-91-1	Bis(2-chloroethoxy)methane	ND		37	6.7
111-44-4	Bis(2-chloroethyl)ether	ND		37	9.0
117-81-7	Bis(2-ethylhexyl) phthalate	ND		37	12
85-68-7	Butyl benzyl phthalate	ND		37	8.1
105-60-2	Caprolactam	ND		37	11
86-74-8	Carbazole	ND		37	37
218-01-9	Chrysene	ND		37	8.0
53-70-3	Dibenz(a,h)anthracene	ND		37	7.5
132-64-9	Dibenzofuran	ND		37	22
84-66-2	Diethyl phthalate	ND		37	5.2
131-11-3	Dimethyl phthalate	ND		37	5.5
84-74-2	Di-n-butyl phthalate	15	J B	37	11
117-84-0	Di-n-octyl phthalate	20	J	37	11
101-84-8	Diphenyl oxide	ND		37	11
206-44-0	Fluoranthene	ND		37	24
86-73-7	Fluorene	ND		37	14
118-74-1	Hexachlorobenzene	ND		37	8.8
87-68-3	Hexachlorobutadiene	ND		37	7.4
77-47-4	Hexachlorocyclopentadiene	ND		74	10
67-72-1	Hexachloroethane	ND		37	7.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-409-15/17-XXX | Lab Sample ID: 360-24327-7

Matrix: Solid | Lab File ID: J03011.D

Analysis Method: 8270C LL | Date Collected: 08/26/2009 17:15

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.38(g) | Date Analyzed: 09/18/2009 16:14

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

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

% Moisture: 11.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49174 | 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	8.0
91-20-3	Naphthalene	ND		89	83
98-95-3	Nitrobenzene	ND		37	5.1
62-75-9	N-Nitrosodimethylamine	ND		37	4.3
621-64-7	N-Nitrosodi-n-propylamine	ND		37	4.2
86-30-6	N-Nitrosodiphenylamine	ND		37	7.4
87-86-5	Pentachlorophenol	ND		37	7.7
85-01-8	Phenanthrene	ND		45	43
108-95-2	Phenol	ND		37	4.7
129-00-0	Pyrene	ND		37	9.9

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	66	30-130	
321-60-8	2-Fluorobiphenyl	59	30-130	
367-12-4	2-Fluorophenol	69	30-130	
4165-60-0	Nitrobenzene-d5	59	30-130	
4165-62-2	Phenol-d5	69	30-130	
1718-51-0	Terphenyl-d14	65	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-409-15/17-XXX | Lab Sample ID: 360-24327-7

Matrix: Solid | Lab File ID: J03011.D

Analysis Method: 8270C LL | Date Collected: 08/26/2009 17:15

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.38(g) | Date Analyzed: 09/18/2009 16:14

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

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

% Moisture: 11.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49174 | Units: ug/Kg

Number TICs Found: 5 | TIC Result Total: 140

CAS NO.	COMPOUND NAME	RT	RESULT	Q
128-37-0	Butylated Hydroxytoluene	9.54	23	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.57	26	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.07	21	T J N
10544-50-0	Cyclic octaatomic sulfur	12.12	52	T J N
112-61-8	Octadecanoic acid, methyl ester	12.19	18	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03011.D		
Lims ID:	360-24327-A-7-B	Client ID:	OC-SB-409-15/17-XXX
Inject. Date:	18-Sep-2009 16:14:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24327-a-7-b		
Misc. Info.:	360-0001221-016		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49174	Lims Sample ID:	16
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\8270NDMA.m		
Last Update:	21-Sep-2009 07:42:12	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	21-Sep-2009 07:42:12

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.420	6.419	0.001	75938	2.00	
* 2 Naphthalene-d8	136	7.747	7.746	0.001	193852	2.00	
* 3 Acenaphthene-d10	164	9.478	9.477	0.001	95929	2.00	
* 4 Phenanthrene-d10	188	10.921	10.920	0.001	164915	2.00	
* 5 Chrysene-d12	240	13.493	13.497	-0.004	124298	2.00	
* 6 Perylene-d12	264	14.845	14.844	0.001	103455	2.00	
$ 7 2-Fluorophenol	112	4.698	4.654	0.044	163899	6.89	
$ 8 Phenol-d5	99	6.088	6.082	0.006	203159	6.91	
$ 9 Nitrobenzene-d5	82	7.026	7.025	0.001	88016	2.96	
$ 10 2-Fluorobiphenyl	172	8.838	8.842	-0.004	179944	2.95	
$ 11 2,4,6-Tribromophenol	330	10.247	10.251	-0.004	43592	6.55	
$ 12 Terphenyl-d14	244	12.503	12.502	0.001	153635	3.23	
30 Acetophenone	105	6.881	6.875	0.006	5098	0.1507	
41 Naphthalene	128	7.766	7.765	0.001	1061	0.0119	
66 Diethyl phthalate	149	9.945	9.948	-0.003	1885	0.0319	
72 N-Nitrosodiphenylamine	169	10.151	10.150	0.001	2128	0.0439	
71 Diphenylamine	169	10.151	10.150	0.001	2128	0.0439	
80 Phenanthrene	178	10.940	10.944	-0.004	1725	0.0206	
84 Di-n-butyl phthalate	149	11.551	11.550	0.001	36785	0.4108	
89 Butyl benzyl phthalate	149	13.008	13.007	0.001	1238	0.1468	
93 Benzo[a]anthracene	228	13.489	13.488	0.001	2448	0.0461	
94 Chrysene	228	13.517	13.521	-0.004	2260	0.0393	
92 Bis(2-ethylhexyl) phthalate	149	13.590	13.589	0.001	5225	0.1980	
95 Di-n-octyl phthalate	149	14.205	14.204	0.001	1822	0.5332	
97 Benzo[b]fluoranthene	252	14.498	14.497	0.001	2602	0.0440	
98 Benzo[k]fluoranthene	252	14.527	14.526	0.001	2912	0.0513	M
99 Benzo[a]pyrene	252	14.792	14.791	0.001	1914	0.1345	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03011.D		
Lims ID:	360-24327-A-7-B	Client ID:	OC-SB-409-15/17-XXX
Inject. Date:	18-Sep-2009 16:14:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24327-a-7-b		
Misc. Info.:	360-0001221-016		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49174	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\8270NDMA.m		
Last Update:	21-Sep-2009 07:42:12	Calib Date:	15-Sep-2009 21:23:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	21-Sep-2009 07:42:12

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
1,2-Diphenylhydrazine	10.094	1221	0.0127	
Benzidine	12.277	74	0.8195	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
128-37-0 Butylated Hydroxytoluene						
9.541	130902	0.6096	3	98	84224	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
10.570	186353	0.7004	4	91	126945	
22768-22-5 2,4-Diphenyl-4-methyl-2(E)-pentene						
11.070	148793	0.5592	4	95	64461	
10544-50-0 Cyclic octaatomic sulfur						
12.123	370212	1.39	4	90	113565	
112-61-8 Octadecanoic acid, methyl ester						
12.190	130617	0.4909	4	98	115468	

Quantitation Compounds

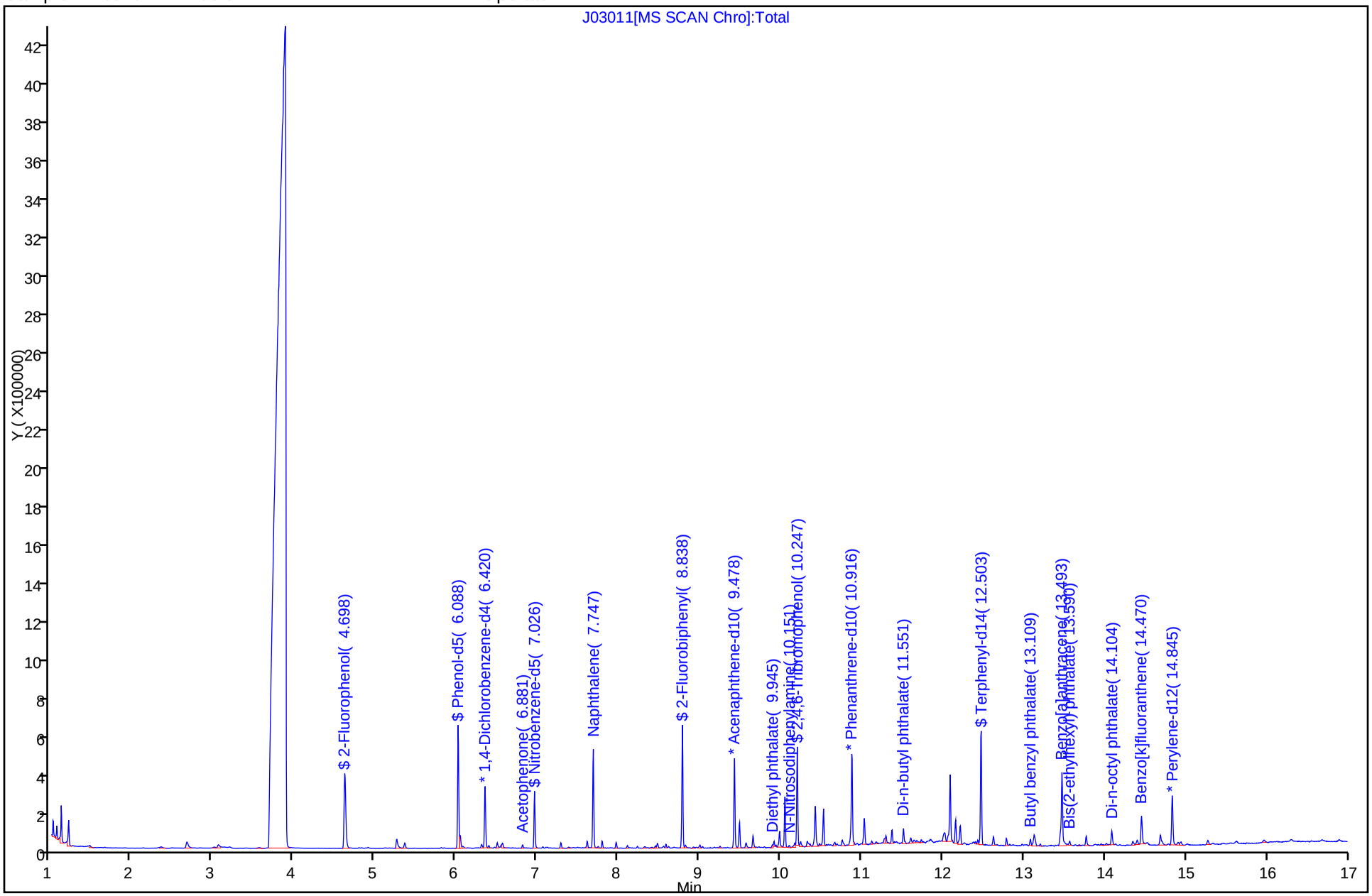
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	9.478	429494	2.00
* 4 Phenanthrene-d10	10.916	532142	2.00

QC Flag Legend

Processing Flags

Report Date: 21-Sep-2009 07:42:13 Chrom Revision: 1.0.2009.910

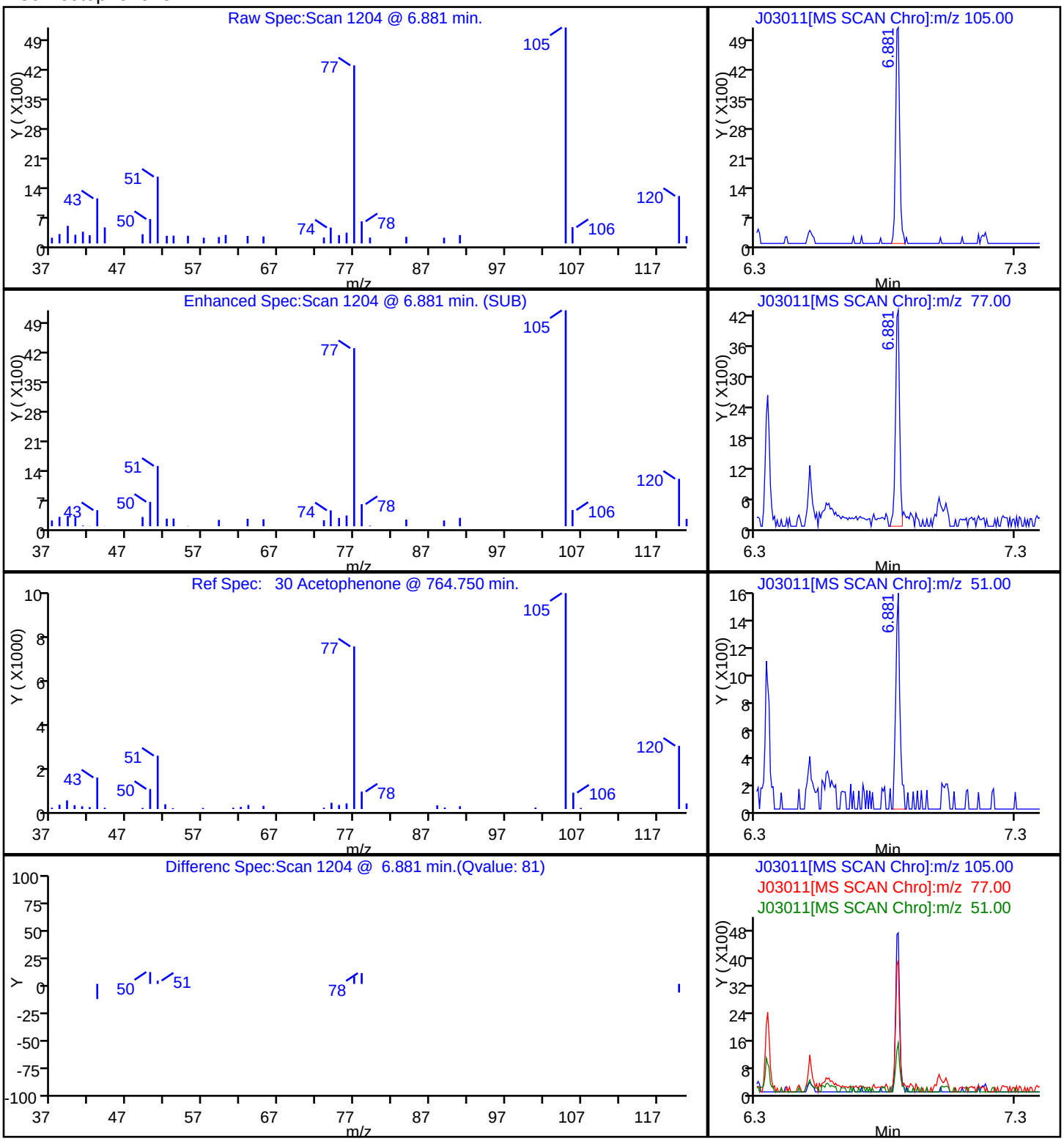
Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03011.D		
Inj Date:	18-Sep-2009 16:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	16
Client ID:	OC-SB-409-15/17-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-7-b		
Sample Amount:	1.00 uL	Operator:	



Report Date: 21-Sep-2009 07:42:13 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03011.D		
Inj Date:	18-Sep-2009 16:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	16
Client ID:	OC-SB-409-15/17-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-7-b		
Sample Amount:	1.00 uL	Operator:	

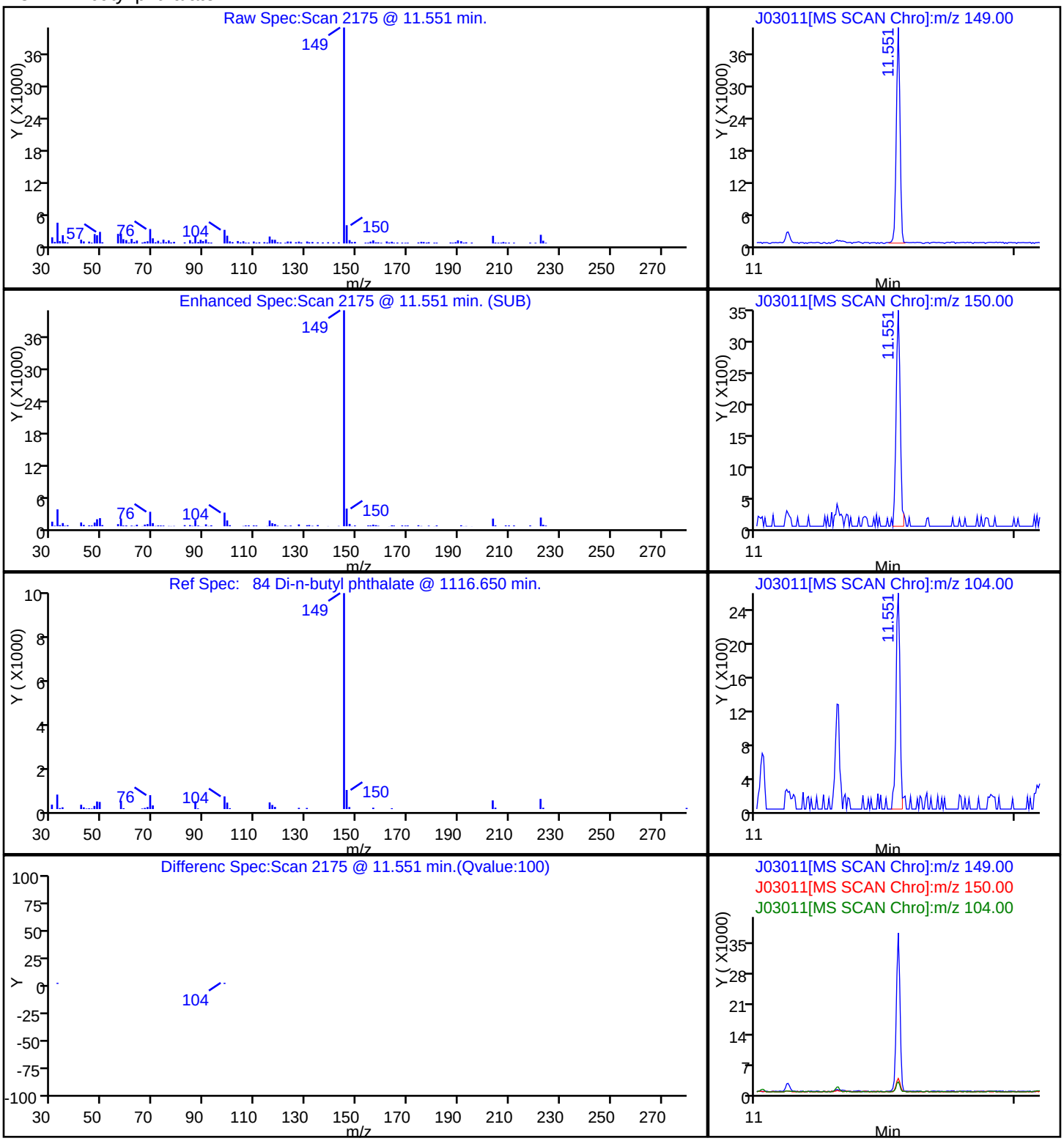
30 Acetophenone



Report Date: 21-Sep-2009 07:42:14 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03011.D		
Inj Date:	18-Sep-2009 16:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	16
Client ID:	OC-SB-409-15/17-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-7-b		
Sample Amount:	1.00 uL	Operator:	

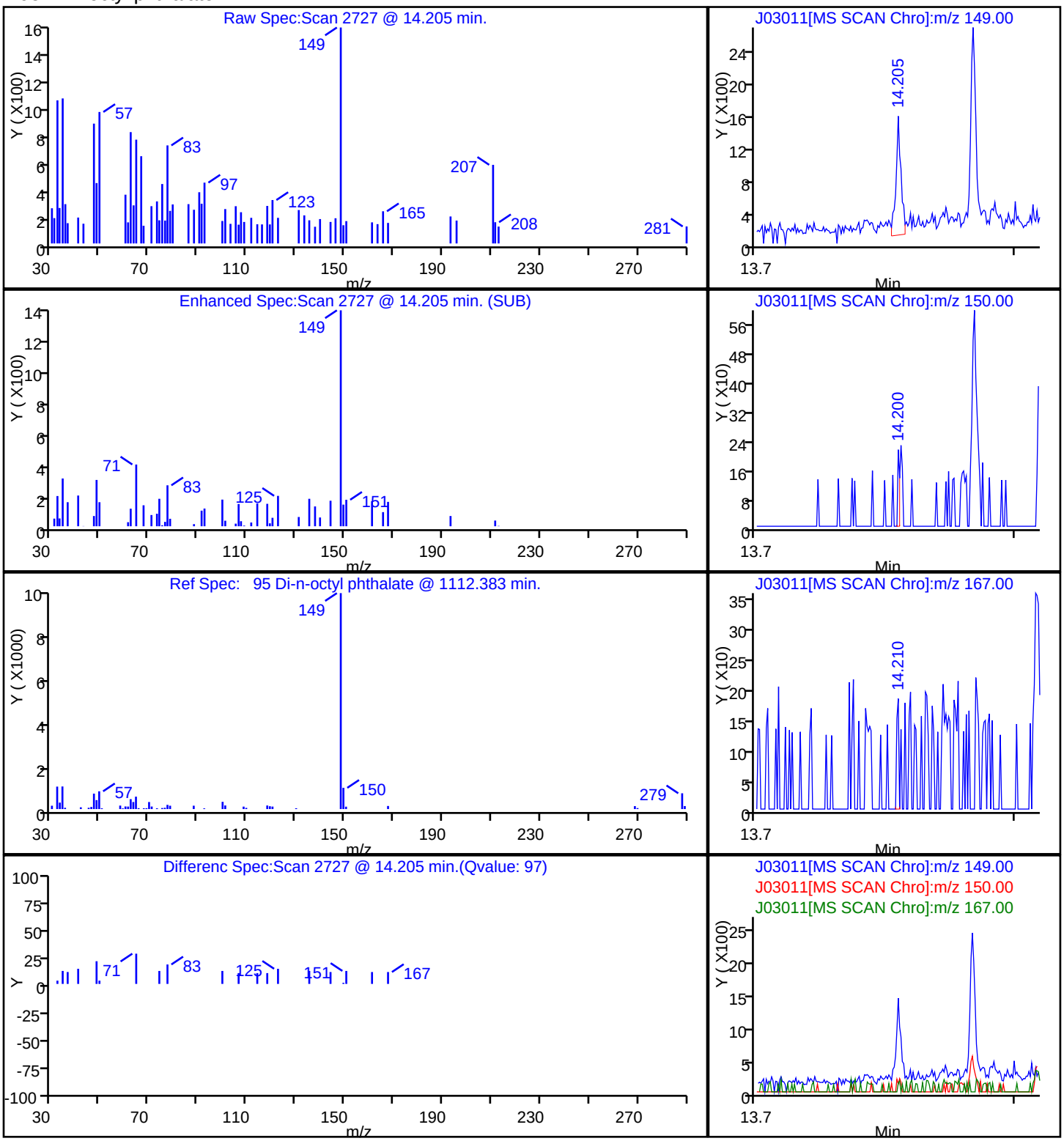
84 Di-n-butyl phthalate



Report Date: 21-Sep-2009 07:42:14 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03011.D		
Inj Date:	18-Sep-2009 16:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	16
Client ID:	OC-SB-409-15/17-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-7-b		
Sample Amount:	1.00 uL	Operator:	

95 Di-n-octyl phthalate



Report Date: 21-Sep-2009 07:42:15 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03011.D

Inj Date: 18-Sep-2009 16:14:30 Limit Group: SMS - 8270LL SVOA Calibration

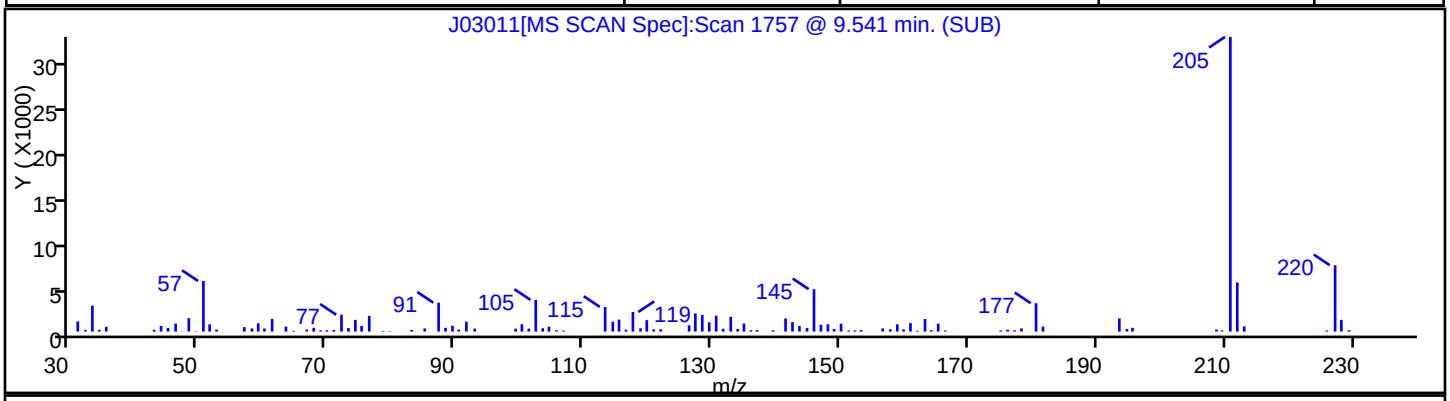
Lims Batch ID: 49174 Lims Sample ID: 16

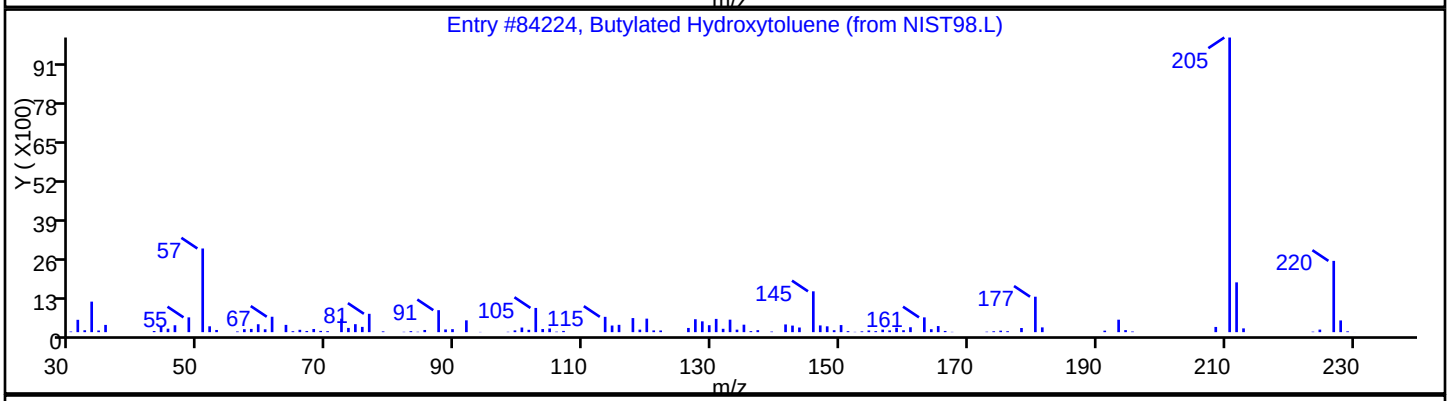
Client ID: OC-SB-409-15/17-XXX Instrument: Inst. J

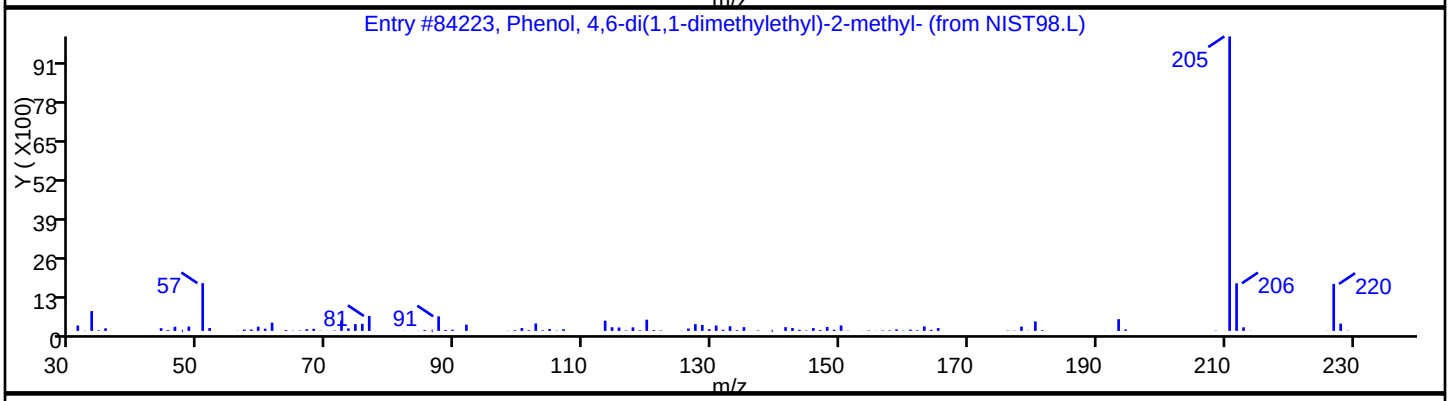
Sample Info: 360-24327-a-7-b

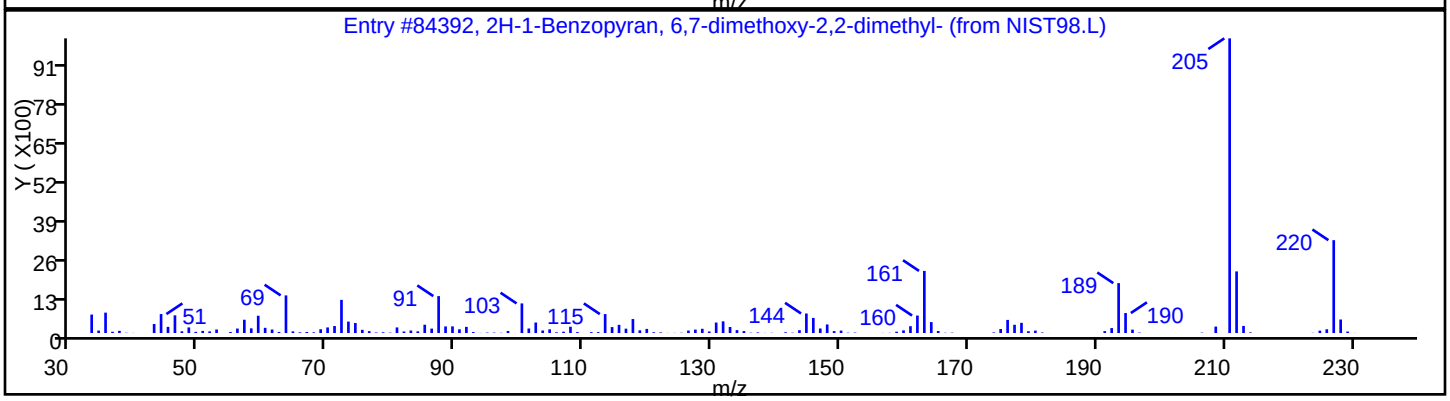
Sample Amount: 1.00 uL Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butylated Hydroxytoluene	128-37-0	NIST98.L	84224	98
Phenol, 4,6-di(1,1-dimethylethyl)-2-meth	616-55-7	NIST98.L	84223	87
2H-1-Benzopyran, 6,7-dimethoxy-2,2-dimet	644-6-4	NIST98.L	84392	59





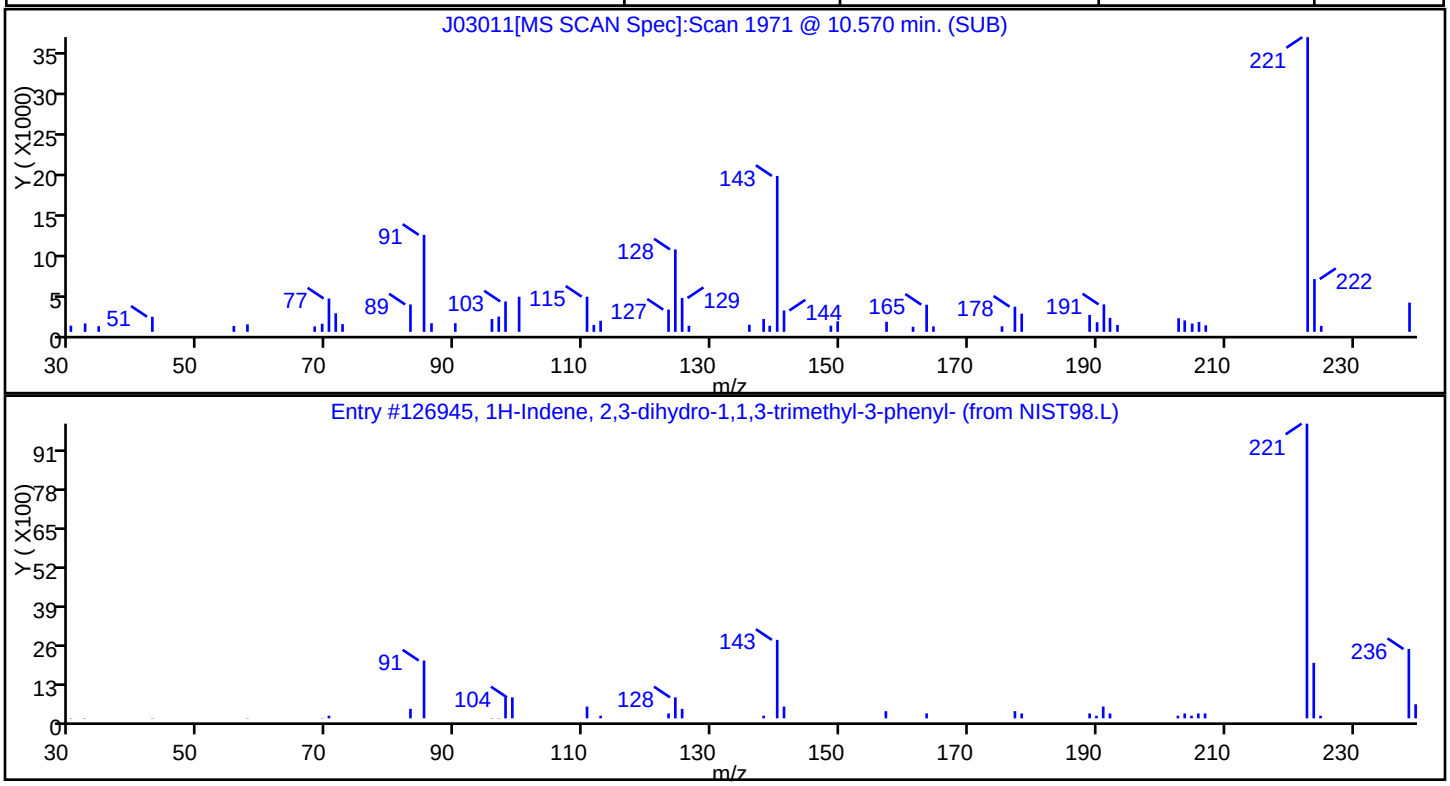




Report Date: 21-Sep-2009 07:42:15 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03011.D		
Inj Date:	18-Sep-2009 16:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	16
Client ID:	OC-SB-409-15/17-XXX	Instrument:	Inst. J
Sample Info:	360-24327-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	126945	91



Report Date: 21-Sep-2009 07:42:15 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03011.D

Inj Date: 18-Sep-2009 16:14:30 Limit Group: SMS - 8270LL SVOA Calibration

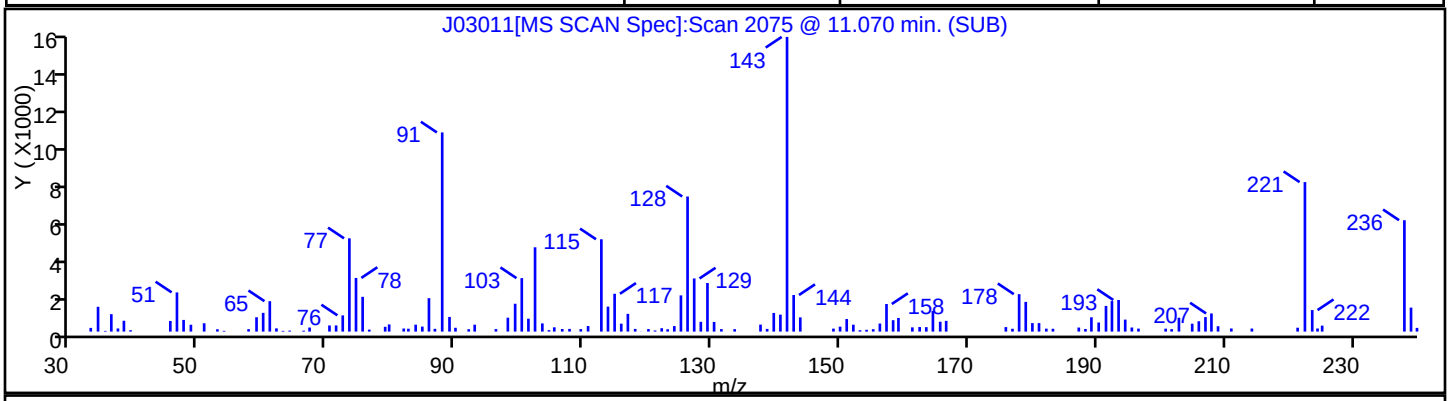
Lims Batch ID: 49174 Lims Sample ID: 16

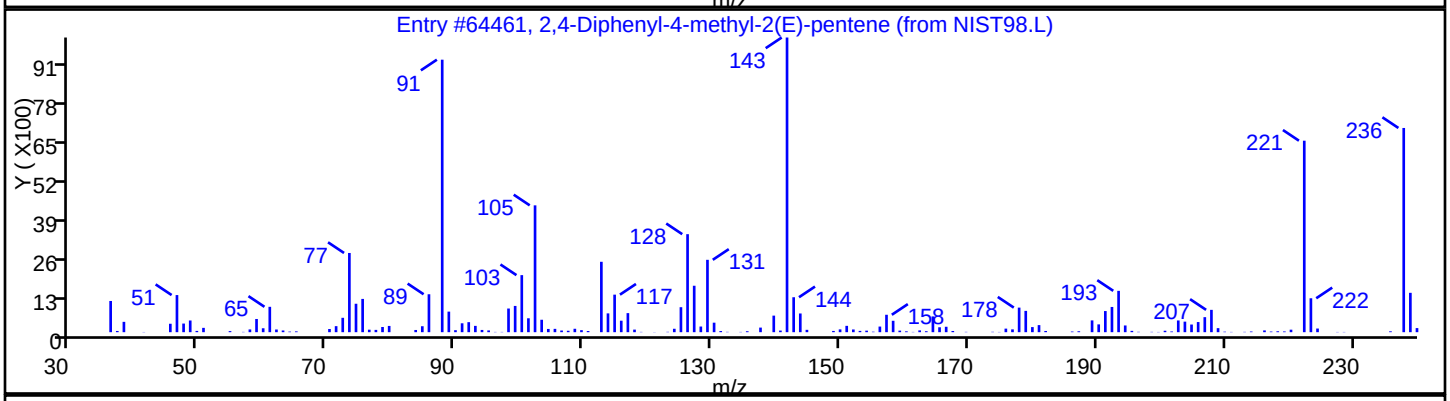
Client ID: OC-SB-409-15/17-XXX Instrument: Inst. J

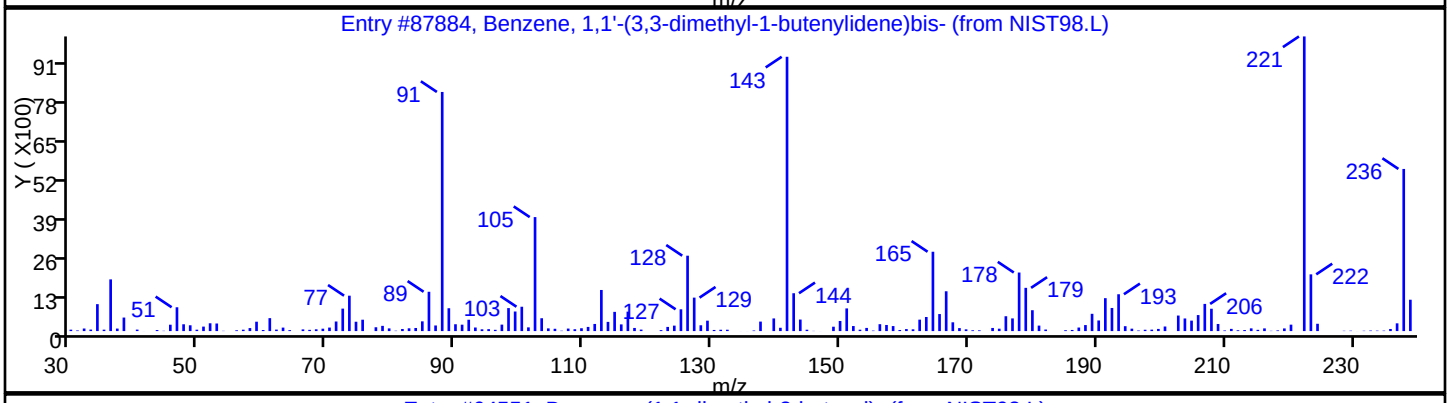
Sample Info: 360-24327-a-7-b

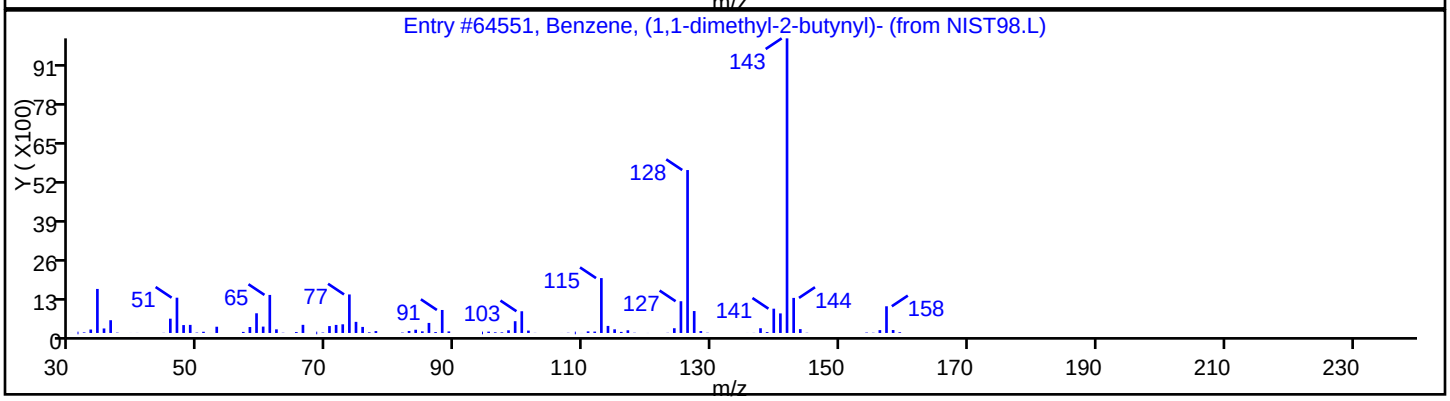
Sample Amount: 1.00 uL Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
2,4-Diphenyl-4-methyl-2(E)-pentene	22768-22-5	NIST98.L	64461	95
Benzene, 1,1'-(3,3-dimethyl-1-butenylide	23586-64-3	NIST98.L	87884	60
Benzene, (1,1-dimethyl-2-butynyl)-	1007-91-6	NIST98.L	64551	55





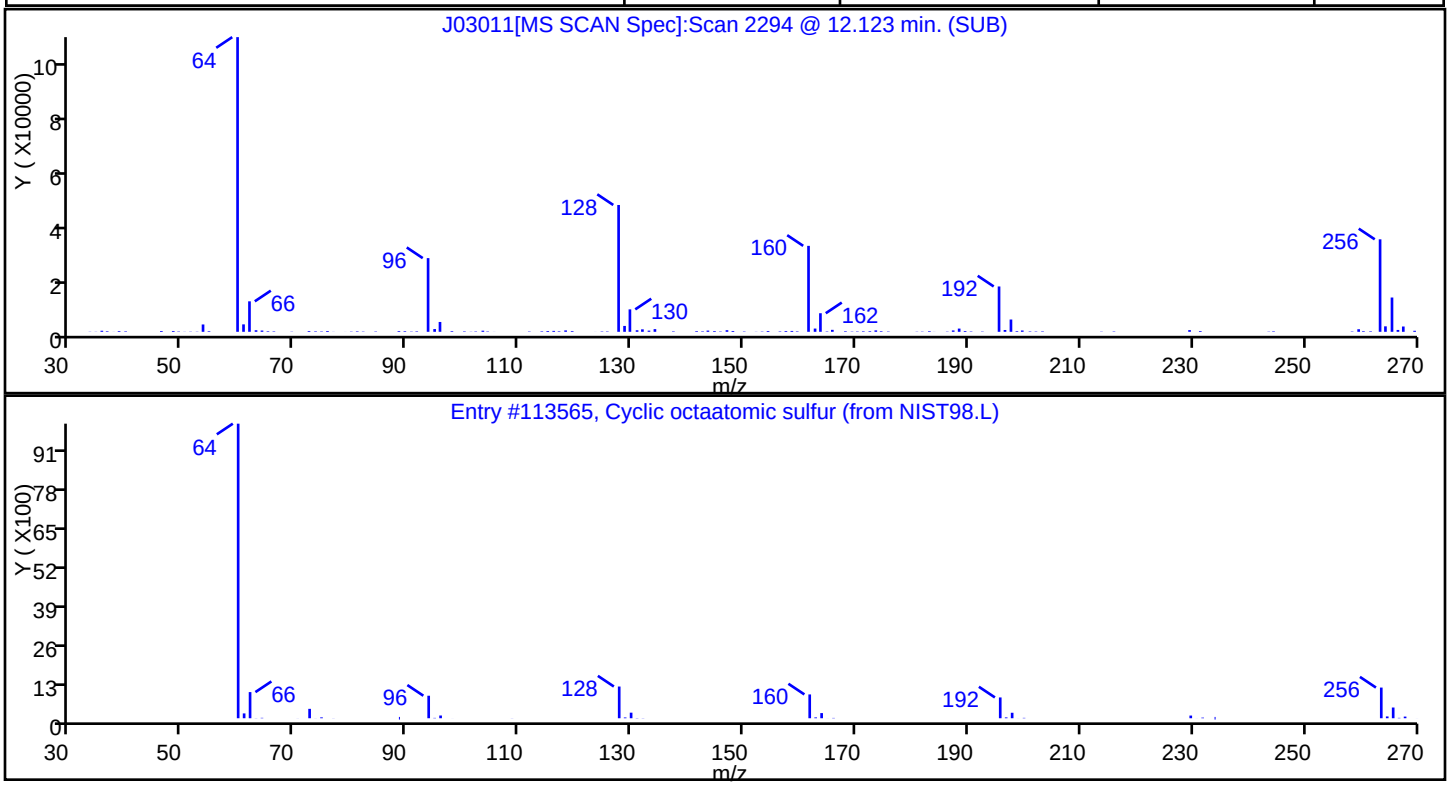




Report Date: 21-Sep-2009 07:42:15 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03011.D		
Inj Date:	18-Sep-2009 16:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	16
Client ID:	OC-SB-409-15/17-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-7-b		
Sample Amount:	1.00 uL	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclic octaatomic sulfur	10544-50-0	NIST98.L	113565	90



Report Date: 21-Sep-2009 07:42:15 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03011.D

Inj Date: 18-Sep-2009 16:14:30 Limit Group: SMS - 8270LL SVOA Calibration

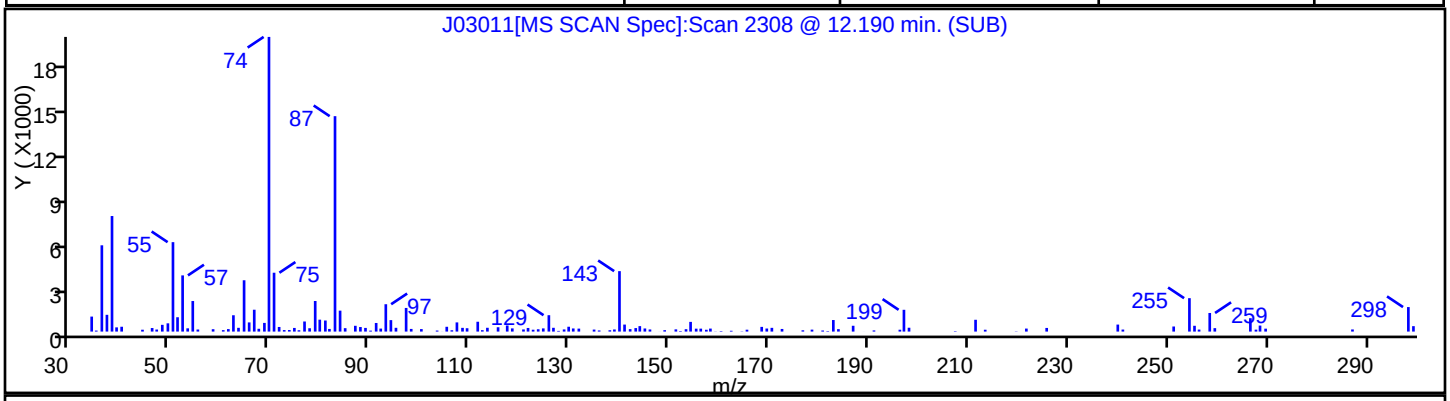
Lims Batch ID: 49174 Lims Sample ID: 16

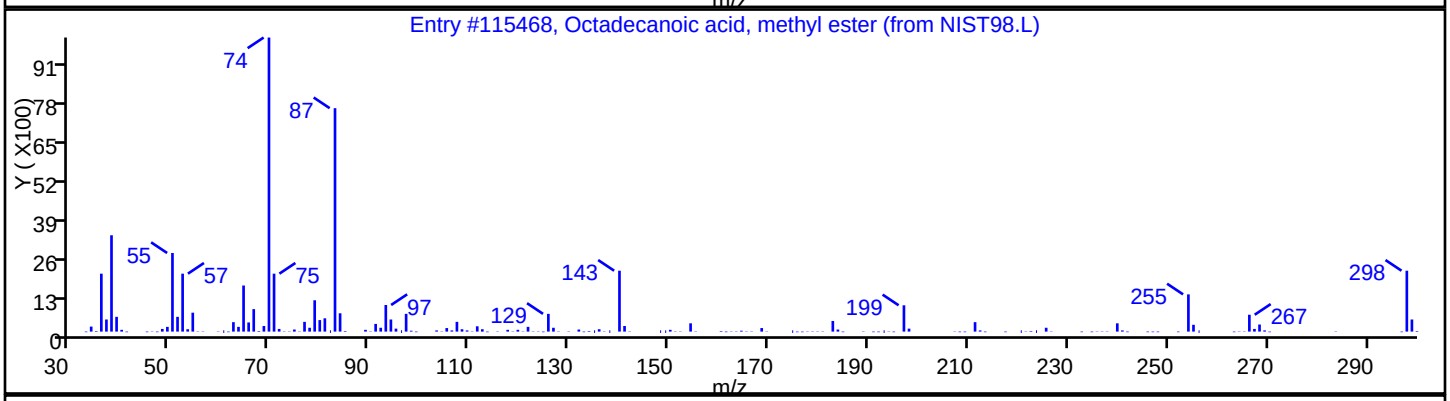
Client ID: OC-SB-409-15/17-XXX Instrument: Inst. J

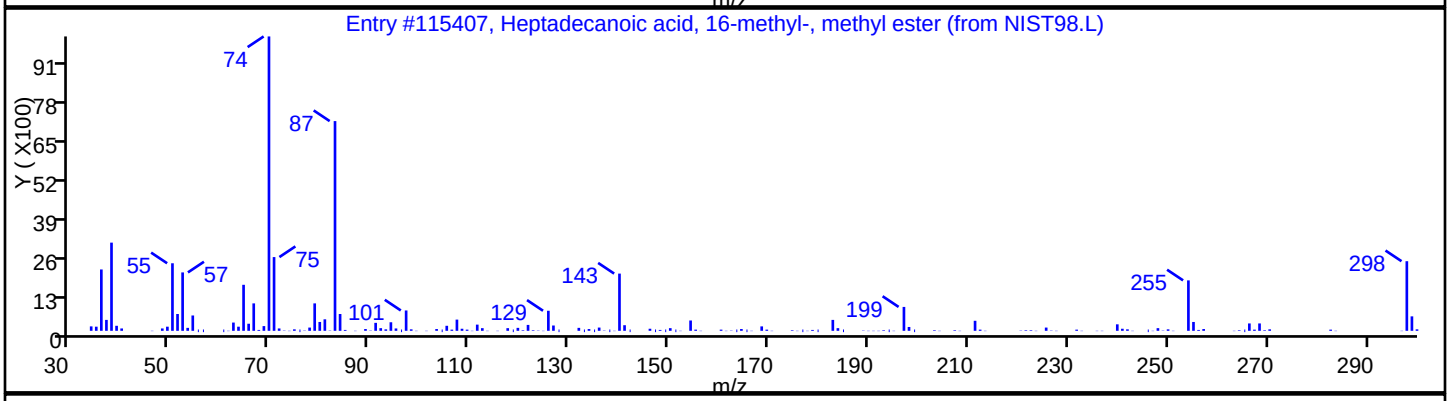
Sample Info: 360-24327-a-7-b

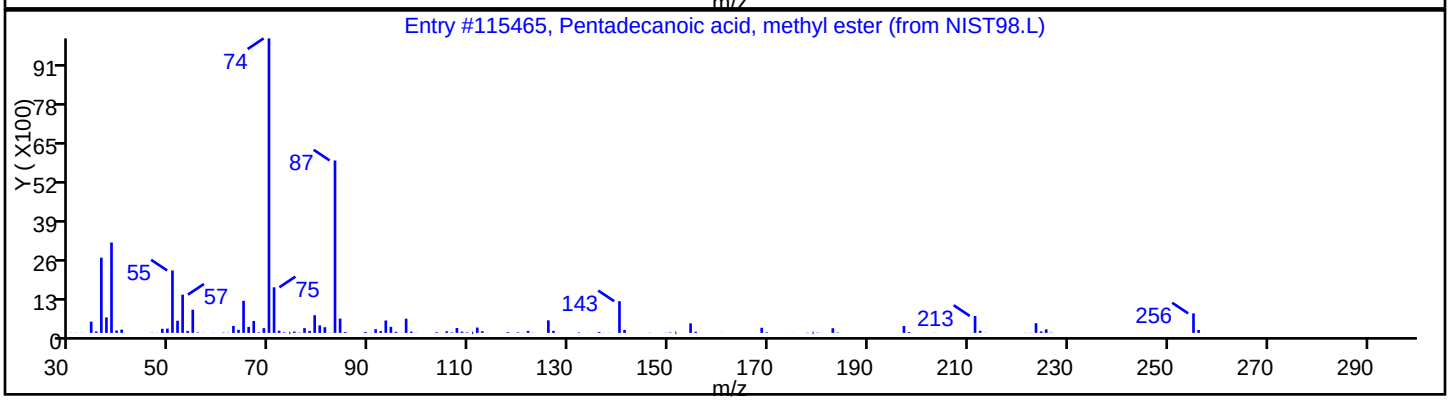
Sample Amount: 1.00 uL Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, methyl ester	112-61-8	NIST98.L	115468	98
Heptadecanoic acid, 16-methyl-, methyl e	5129-61-3	NIST98.L	115407	97
Pentadecanoic acid, methyl ester	7132-64-1	NIST98.L	115465	87









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-410-17/19-XXX | Lab Sample ID: 360-24327-10

Matrix: Solid | Lab File ID: J03015.D

Analysis Method: 8270C LL | Date Collected: 08/27/2009 11:15

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.35(g) | Date Analyzed: 09/18/2009 18:02

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

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

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49174 | 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	2.4
120-82-1	1,2,4-Trichlorobenzene	ND		36	7.0
95-50-1	1,2-Dichlorobenzene	ND		36	3.9
541-73-1	1,3-Dichlorobenzene	ND		36	10
106-46-7	1,4-Dichlorobenzene	ND		36	6.5
90-12-0	1-Methylnaphthalene	ND		36	2.2
108-60-1	2,2'-oxybis[1-chloropropane]	ND		36	3.6
58-90-2	2,3,4,6-Tetrachlorophenol	ND		36	2.2
95-95-4	2,4,5-Trichlorophenol	ND		36	4.1
88-06-2	2,4,6-Trichlorophenol	ND		36	7.5
120-83-2	2,4-Dichlorophenol	ND		36	6.9
105-67-9	2,4-Dimethylphenol	ND		36	6.2
51-28-5	2,4-Dinitrophenol	ND		36	5.3
121-14-2	2,4-Dinitrotoluene	ND		36	5.1
606-20-2	2,6-Dinitrotoluene	ND		36	4.5
91-58-7	2-Chloronaphthalene	ND		36	5.5
95-57-8	2-Chlorophenol	ND		36	3.5
91-57-6	2-Methylnaphthalene	ND		36	27
95-48-7	2-Methylphenol	ND		36	5.1
88-74-4	2-Nitroaniline	ND		180	23
88-75-5	2-Nitrophenol	ND		36	4.2
15831-10-4	3 & 4 Methylphenol	ND		36	6.8
91-94-1	3,3'-Dichlorobenzidine	ND	*	72	26
99-09-2	3-Nitroaniline	ND		180	10
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	9.2
101-55-3	4-Bromophenyl phenyl ether	ND		36	7.5
59-50-7	4-Chloro-3-methylphenol	ND		72	9.9
106-47-8	4-Chloroaniline	ND		72	15
7005-72-3	4-Chlorophenyl phenyl ether	ND		36	5.7
100-01-6	4-Nitroaniline	ND		180	9.6
100-02-7	4-Nitrophenol	ND		180	7.0
83-32-9	Acenaphthene	ND		36	5.3
208-96-8	Acenaphthylene	ND		36	6.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-410-17/19-XXX | Lab Sample ID: 360-24327-10

Matrix: Solid | Lab File ID: J03015.D

Analysis Method: 8270C LL | Date Collected: 08/27/2009 11:15

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.35(g) | Date Analyzed: 09/18/2009 18:02

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

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

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49174 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		36	3.9
62-53-3	Aniline	ND	*	36	19
120-12-7	Anthracene	ND		36	11
1912-24-9	Atrazine	ND		36	11
103-33-3	Azobenzene	ND		36	4.5
100-52-7	Benzaldehyde	ND		36	11
56-55-3	Benzo[a]anthracene	9.0	J	36	6.9
50-32-8	Benzo[a]pyrene	12	J	36	6.6
205-99-2	Benzo[b]fluoranthene	12	J	36	8.2
191-24-2	Benzo[g,h,i]perylene	ND		36	7.0
207-08-9	Benzo[k]fluoranthene	ND		36	10
65-85-0	Benzoic acid	ND		180	15
119-61-9	Benzophenone	ND		36	2.2
100-51-6	Benzyl alcohol	ND		72	8.3
111-91-1	Bis(2-chloroethoxy)methane	ND		36	6.5
111-44-4	Bis(2-chloroethyl)ether	ND		36	8.7
117-81-7	Bis(2-ethylhexyl) phthalate	ND		36	11
85-68-7	Butyl benzyl phthalate	ND		36	7.8
105-60-2	Caprolactam	ND		36	11
86-74-8	Carbazole	ND		36	36
218-01-9	Chrysene	8.1	J	36	7.7
53-70-3	Dibenz(a,h)anthracene	ND		36	7.2
132-64-9	Dibenzofuran	ND		36	21
84-66-2	Diethyl phthalate	ND		36	5.1
131-11-3	Dimethyl phthalate	ND		36	5.3
84-74-2	Di-n-butyl phthalate	16	J B	36	11
117-84-0	Di-n-octyl phthalate	ND		36	10
101-84-8	Diphenyl oxide	ND		36	11
206-44-0	Fluoranthene	ND		36	23
86-73-7	Fluorene	ND		36	14
118-74-1	Hexachlorobenzene	ND		36	8.5
87-68-3	Hexachlorobutadiene	ND		36	7.2
77-47-4	Hexachlorocyclopentadiene	ND		72	9.8
67-72-1	Hexachloroethane	ND		36	6.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-410-17/19-XXX | Lab Sample ID: 360-24327-10

Matrix: Solid | Lab File ID: J03015.D

Analysis Method: 8270C LL | Date Collected: 08/27/2009 11:15

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.35(g) | Date Analyzed: 09/18/2009 18:02

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

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

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49174 | 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	7.7
91-20-3	Naphthalene	ND		86	80
98-95-3	Nitrobenzene	ND		36	4.9
62-75-9	N-Nitrosodimethylamine	ND		36	4.2
621-64-7	N-Nitrosodi-n-propylamine	ND		36	4.1
86-30-6	N-Nitrosodiphenylamine	ND		36	7.2
87-86-5	Pentachlorophenol	ND		36	7.4
85-01-8	Phenanthrene	ND		43	41
108-95-2	Phenol	ND		36	4.5
129-00-0	Pyrene	ND		36	9.5

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	63	30-130	
321-60-8	2-Fluorobiphenyl	61	30-130	
367-12-4	2-Fluorophenol	71	30-130	
4165-60-0	Nitrobenzene-d5	62	30-130	
4165-62-2	Phenol-d5	70	30-130	
1718-51-0	Terphenyl-d14	60	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-410-17/19-XXX | Lab Sample ID: 360-24327-10

Matrix: Solid | Lab File ID: J03015.D

Analysis Method: 8270C LL | Date Collected: 08/27/2009 11:15

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.35(g) | Date Analyzed: 09/18/2009 18:02

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

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

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49174 | Units: ug/Kg

Number TICs Found: 2 | TIC Result Total: 33

CAS NO.	COMPOUND NAME	RT	RESULT	Q
5989-27-5	D-Limonene	6.57	19	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.57	14	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03015.D		
Lims ID:	360-24327-A-10-B	Client ID:	OC-SB-410-17/19-XXX
Inject. Date:	18-Sep-2009 18:02:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24327-a-10-b		
Misc. Info.:	360-0001221-020		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49174	Lims Sample ID:	20
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\8270NDMA.m		
Last Update:	21-Sep-2009 08:11:44	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	21-Sep-2009 08:11:44

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.416	6.419	-0.003	82069	2.00	
* 2 Naphthalene-d8	136	7.743	7.746	-0.003	208220	2.00	
* 3 Acenaphthene-d10	164	9.479	9.477	0.002	101448	2.00	
* 4 Phenanthrene-d10	188	10.922	10.920	0.002	177297	2.00	
* 5 Chrysene-d12	240	13.494	13.497	-0.003	150573	2.00	
* 6 Perylene-d12	264	14.846	14.844	0.002	123327	2.00	
$ 7 2-Fluorophenol	112	4.704	4.654	0.050	182751	7.11	
$ 8 Phenol-d5	99	6.089	6.082	0.007	222450	7.00	
$ 9 Nitrobenzene-d5	82	7.027	7.025	0.002	99147	3.10	
$ 10 2-Fluorobiphenyl	172	8.840	8.842	-0.002	196140	3.04	
$ 11 2,4,6-Tribromophenol	330	10.248	10.251	-0.003	45353	6.34	
$ 12 Terphenyl-d14	244	12.504	12.502	0.002	173764	3.02	
30 Acetophenone	105	6.878	6.875	0.003	3311	0.0906	
41 Naphthalene	128	7.762	7.765	-0.003	996	0.0104	
66 Diethyl phthalate	149	9.946	9.948	-0.002	1881	0.0301	
84 Di-n-butyl phthalate	149	11.552	11.550	0.002	42081	0.4371	
87 Fluoranthene	202	12.100	12.098	0.002	1421	0.0178	
85 Pyrene	202	12.311	12.314	-0.003	1576	0.0181	
89 Butyl benzyl phthalate	149	13.004	13.007	-0.003	1162	0.1395	
93 Benzo[a]anthracene	228	13.485	13.488	-0.003	16052	0.2496	
94 Chrysene	228	13.518	13.521	-0.003	15739	0.2259	
92 Bis(2-ethylhexyl) phthalate	149	13.586	13.589	-0.003	6408	0.1991	
97 Benzo[b]fluoranthene	252	14.499	14.497	0.002	23272	0.3305	M
98 Benzo[k]fluoranthene	252	14.519	14.526	-0.007	12834	0.1897	M
99 Benzo[a]pyrene	252	14.793	14.791	0.002	12633	0.3254	
100 Indeno[1,2,3-cd]pyrene	276	15.759	15.757	0.002	3278	0.1234	
101 Dibenz(a,h)anthracene	278	15.774	15.777	-0.003	1714	0.1087	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03015.D		
Lims ID:	360-24327-A-10-B	Client ID:	OC-SB-410-17/19-XXX
Inject. Date:	18-Sep-2009 18:02:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24327-a-10-b		
Misc. Info.:	360-0001221-020		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49174	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\8270NDMA.m		
Last Update:	21-Sep-2009 08:11:44	Calib Date:	15-Sep-2009 21:23:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	21-Sep-2009 08:11:44

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
1,2-Diphenylhydrazine	10.095	1071	0.0104	
Alpha-Terpineol	7.806	214	0.0111	
Benzidine	12.254	50	0.8189	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
5989-27-5 D-Limonene						
6.565	90219	0.5155	1	94	21974	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
10.571	105826	0.3932	4	95	126944	

Quantitation Compounds

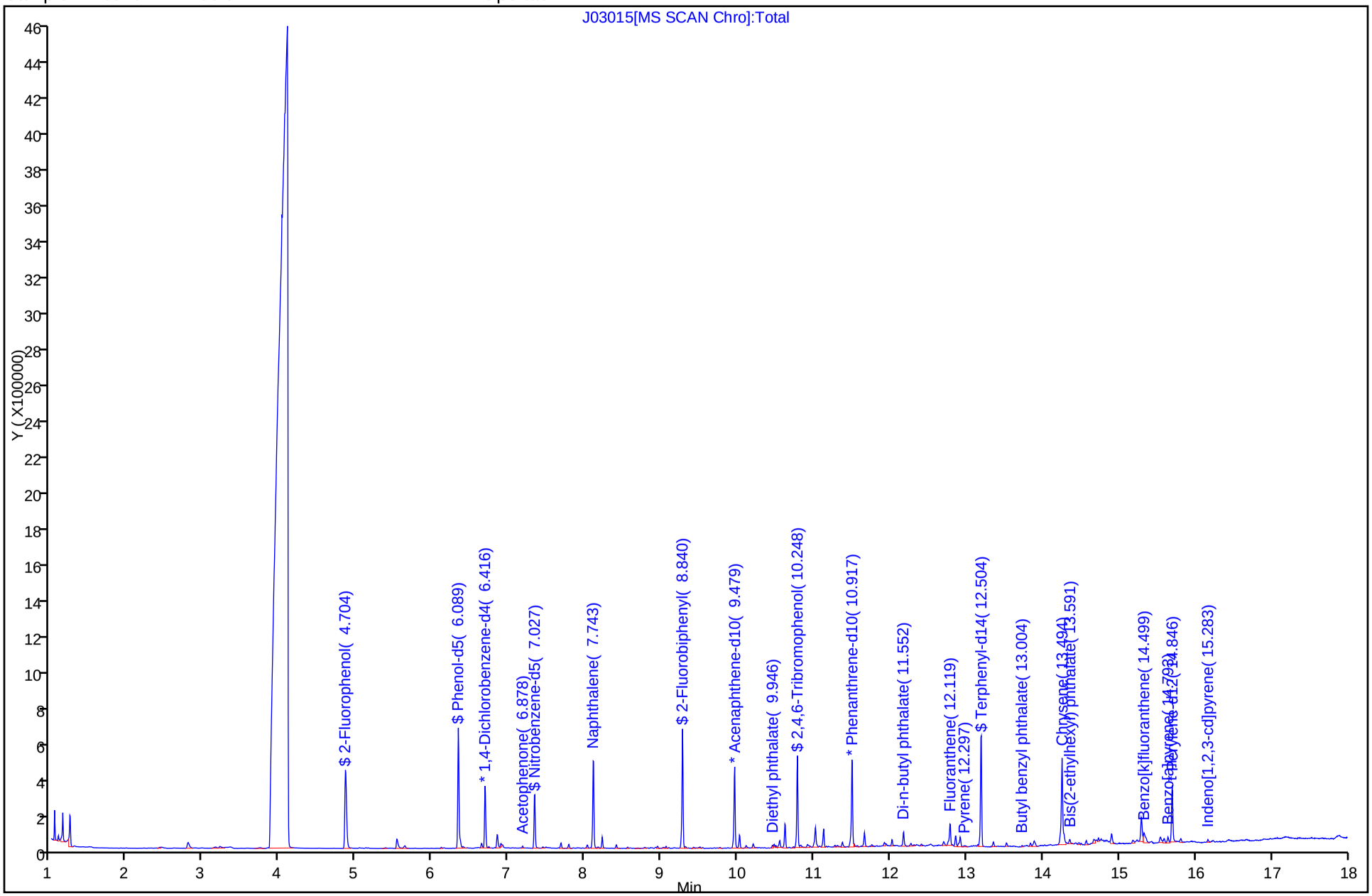
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	6.416	350013	2.00
* 4 Phenanthrene-d10	10.917	538329	2.00

QC Flag Legend

Processing Flags

Report Date: 21-Sep-2009 08:11:44 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03015.D		
Inj Date:	18-Sep-2009 18:02:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	20
Client ID:	OC-SB-410-17/19-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-10-b		
Sample Amount:	1.00 uL	Operator:	



Report Date: 21-Sep-2009 08:11:46 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03015.D		
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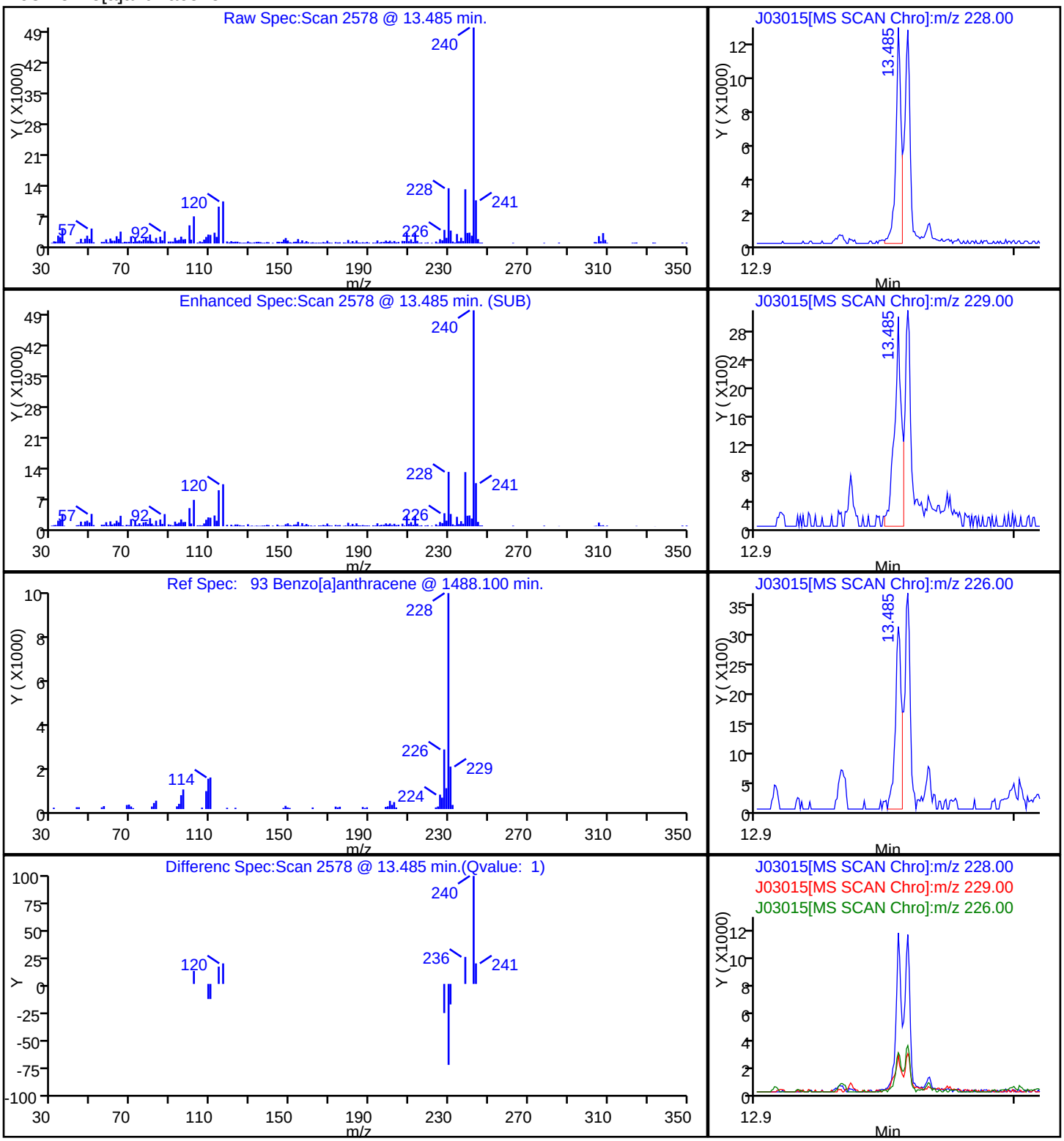
Lims Batch ID:	49174	Lims Sample ID:	20
Client ID:	OC-SB-410-17/19-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-10-b		
Sample Amount:	1.00 uL	Operator:	

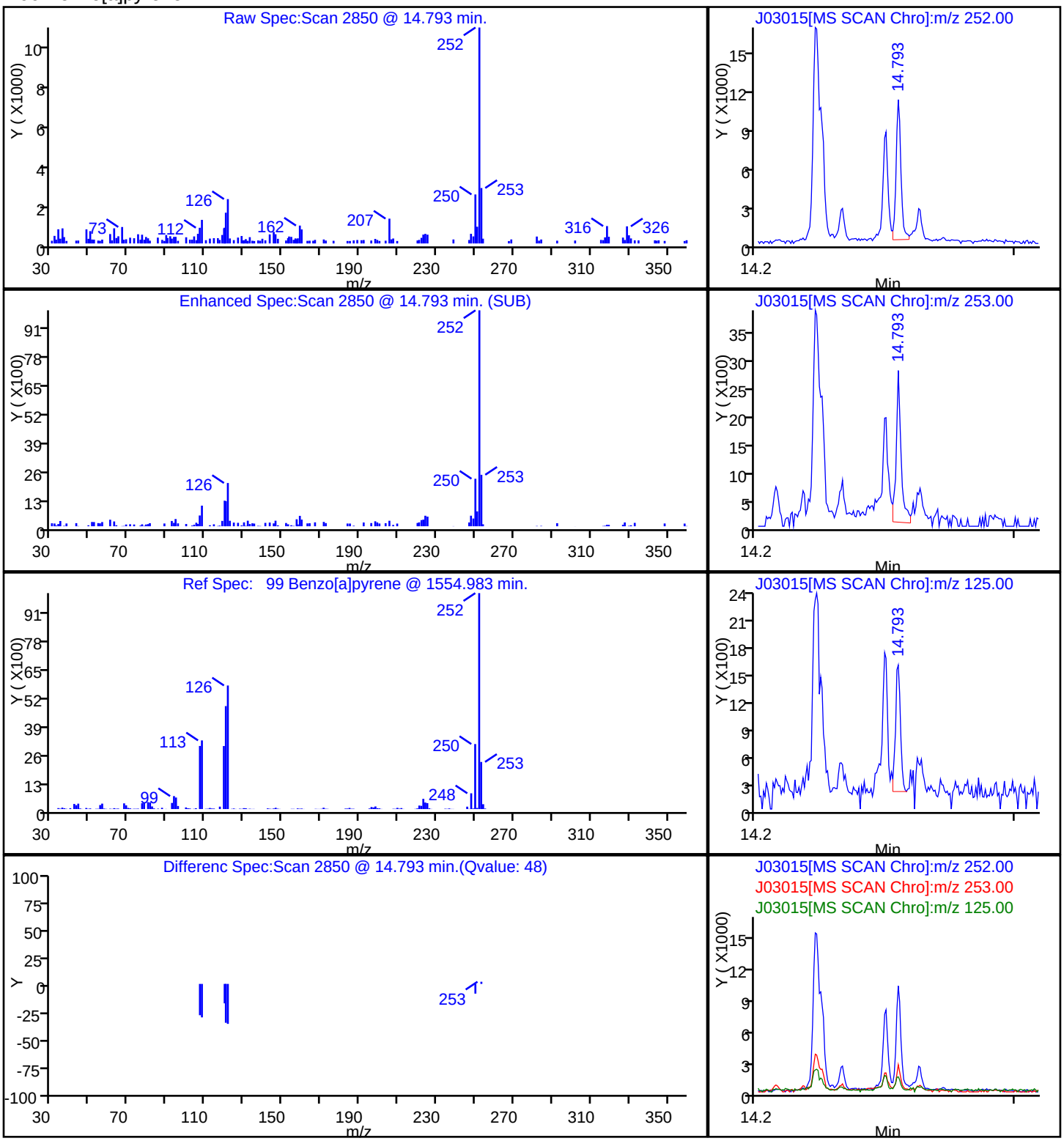
93 Benzo[a]anthracene



Report Date: 21-Sep-2009 08:11:46 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03015.D		
Inj Date:	18-Sep-2009 18:02:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	20
Client ID:	OC-SB-410-17/19-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-10-b		
Sample Amount:	1.00 uL	Operator:	

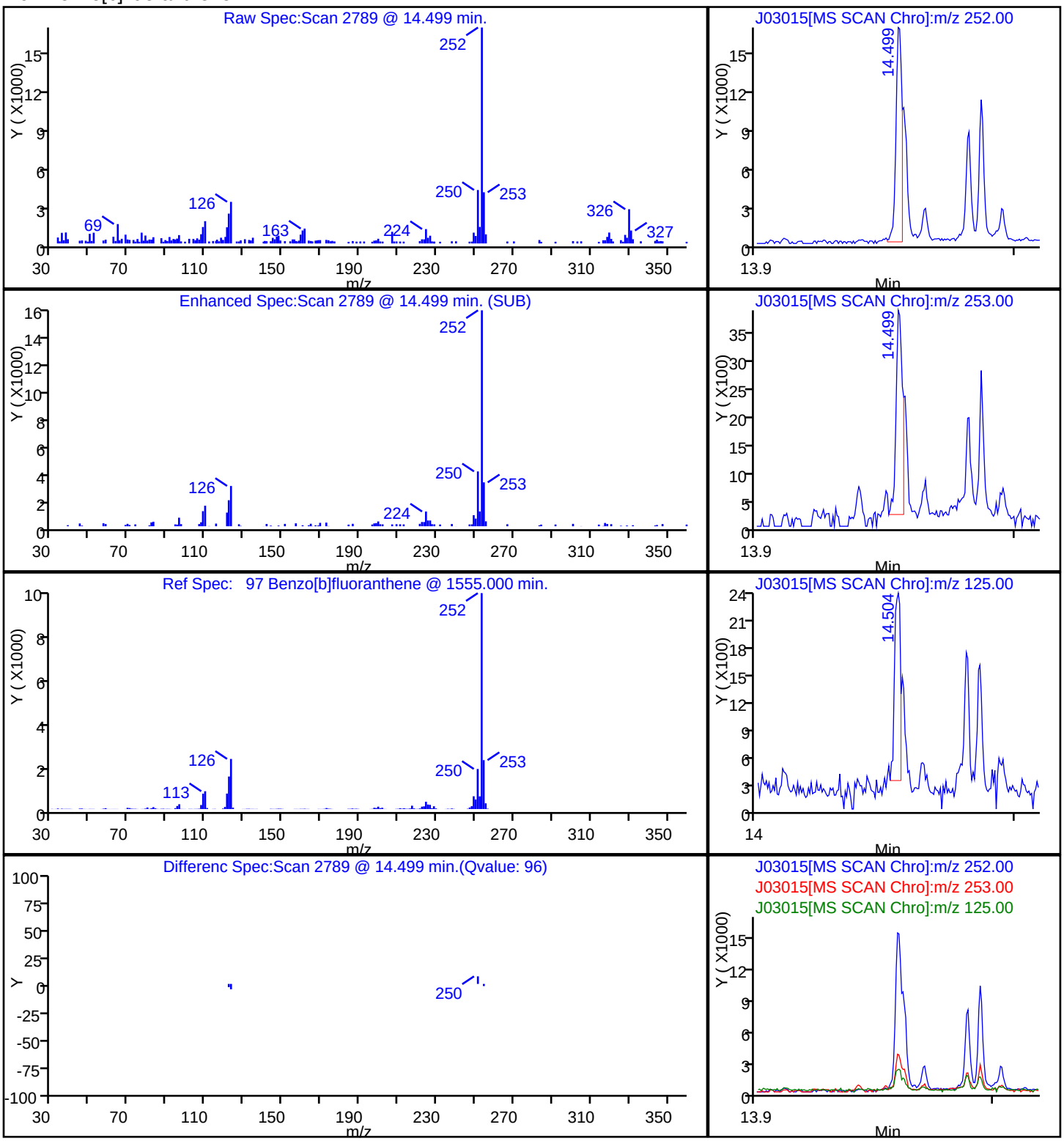
99 Benzo[a]pyrene



Report Date: 21-Sep-2009 08:11:46 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03015.D		
Inj Date:	18-Sep-2009 18:02:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	20
Client ID:	OC-SB-410-17/19-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-10-b		
Sample Amount:	1.00 uL	Operator:	

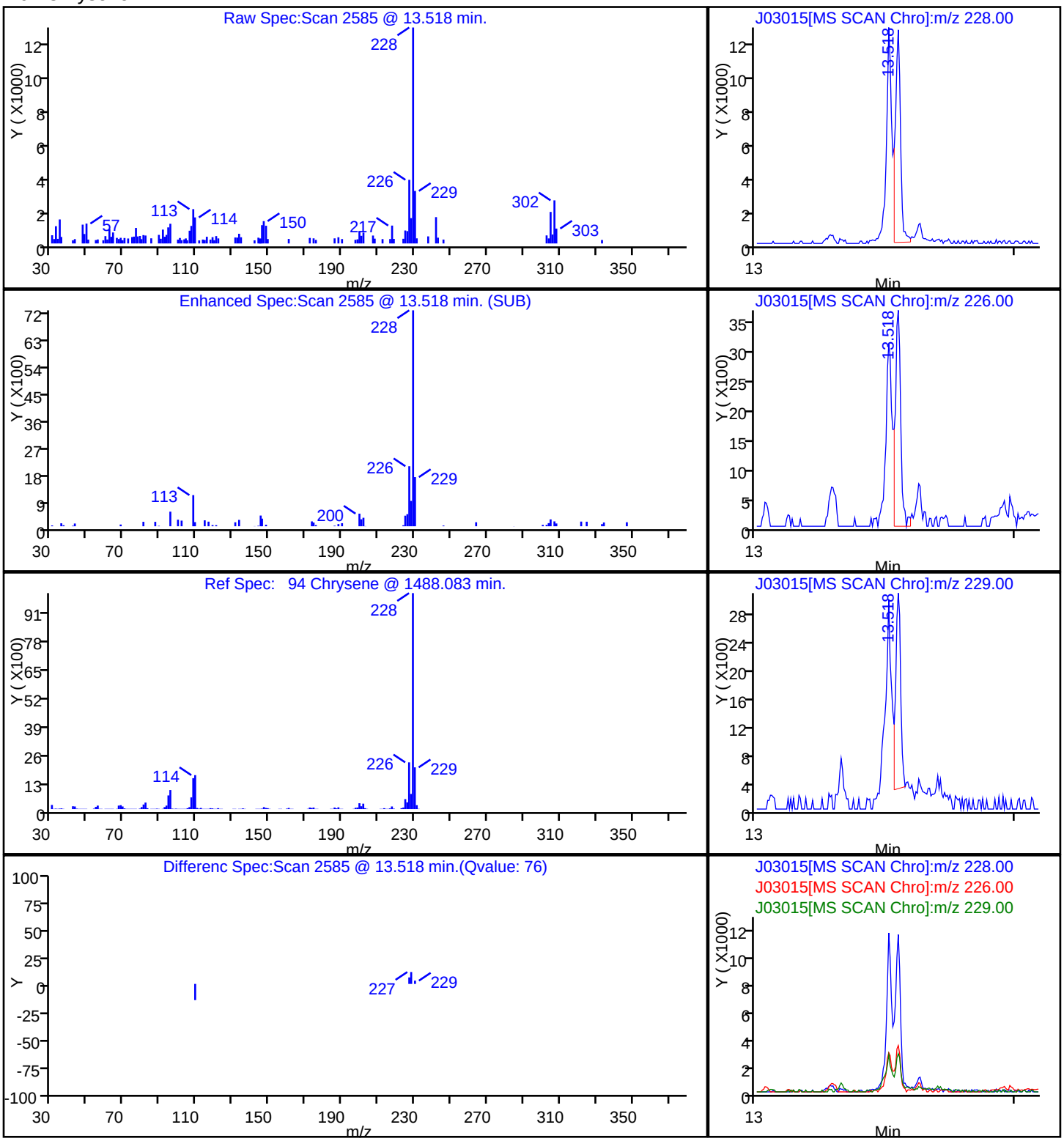
97 Benzo[b]fluoranthene



Report Date: 21-Sep-2009 08:11:46 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03015.D		
Inj Date:	18-Sep-2009 18:02:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	20
Client ID:	OC-SB-410-17/19-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-10-b		
Sample Amount:	1.00 uL	Operator:	

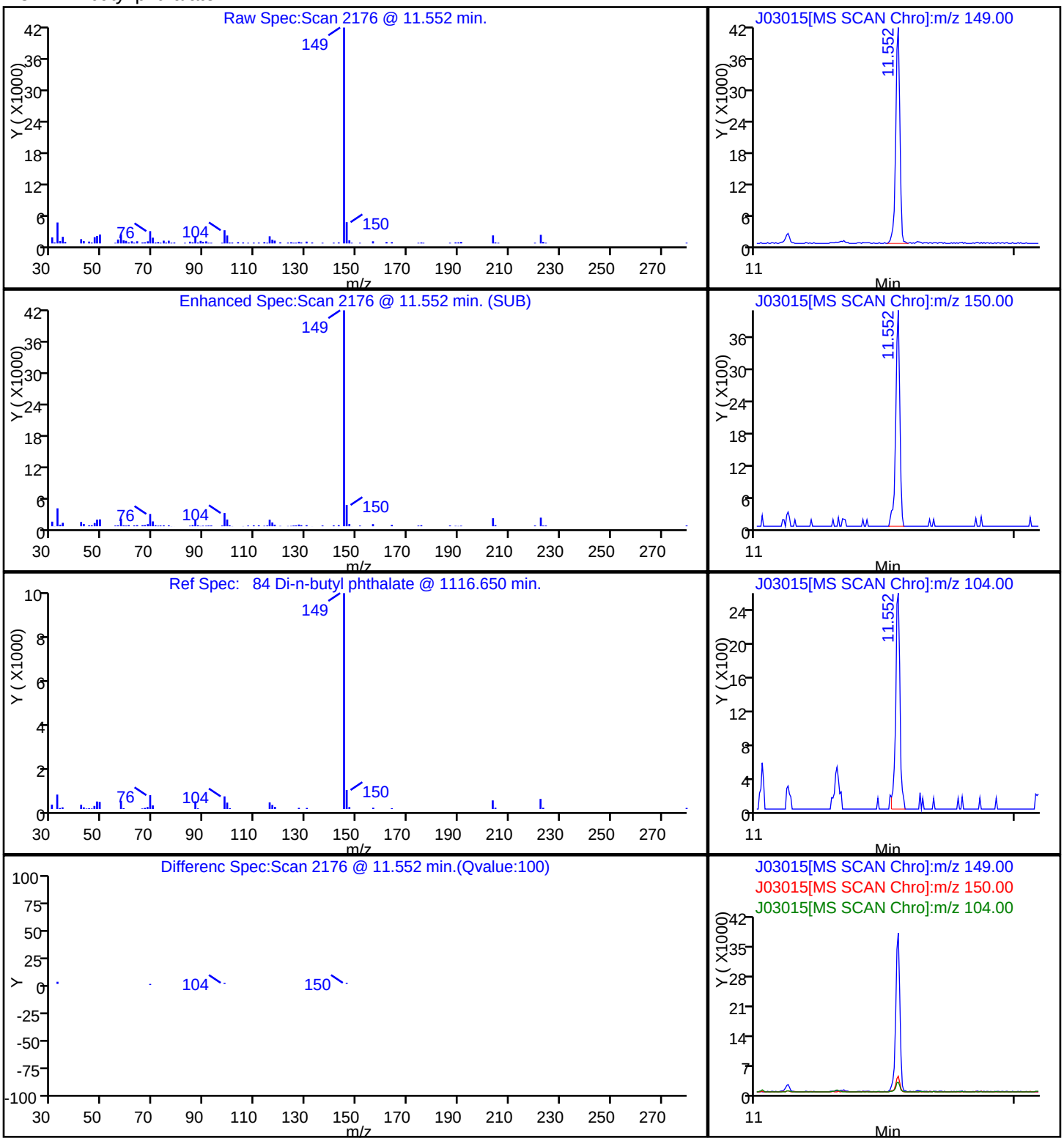
94 Chrysene



Report Date: 21-Sep-2009 08:11:45 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03015.D		
Inj Date:	18-Sep-2009 18:02:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	20
Client ID:	OC-SB-410-17/19-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-10-b		
Sample Amount:	1.00 uL	Operator:	

84 Di-n-butyl phthalate



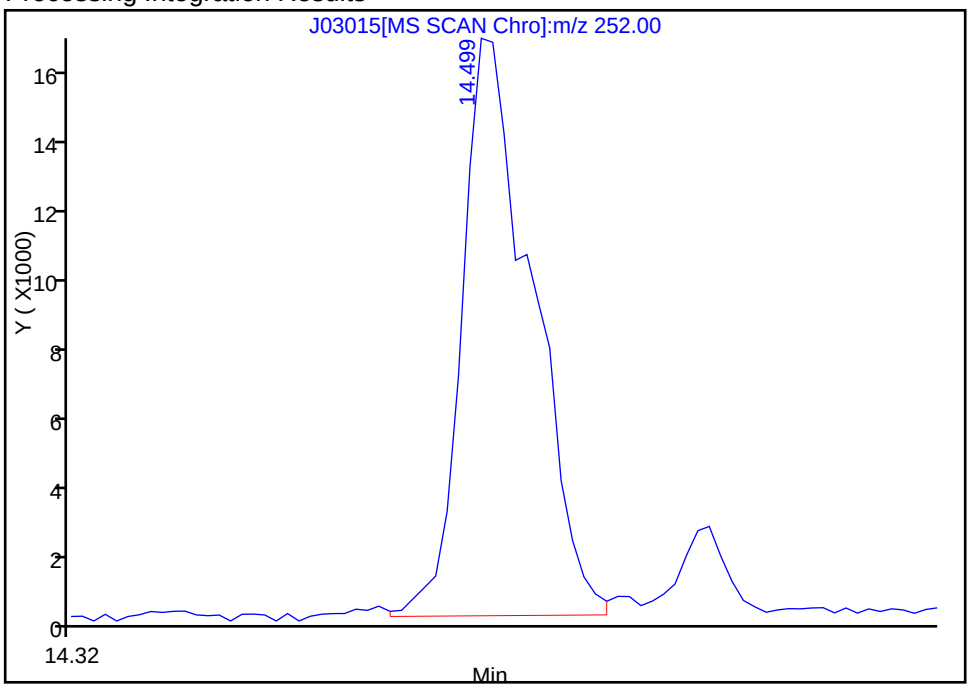
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03015.D		
Inj Date:	18-Sep-2009 18:02:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	20
Client ID:	OC-SB-410-17/19-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-10-b		
Sample Amount:	1.00 uL	Operator:	

97 Benzo[b]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 14.50

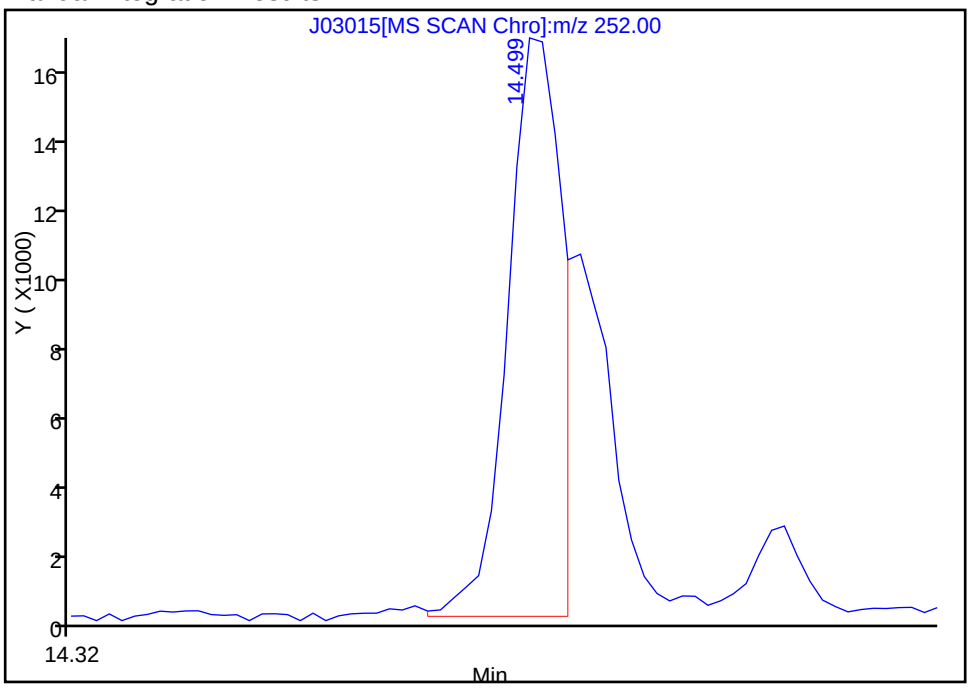
Processing Integration Results

RT: 14.50
Response: 33072
Amount: 0.469616



Manual Integration Results

RT: 14.50
Response: 23272
Amount: 0.330458



Reviewer: sullivanp, 21-Sep-2009 08:11:44
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 21-Sep-2009 08:11:46 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03015.D

Inj Date: 18-Sep-2009 18:02:30 Limit Group: SMS - 8270LL SVOA Calibration

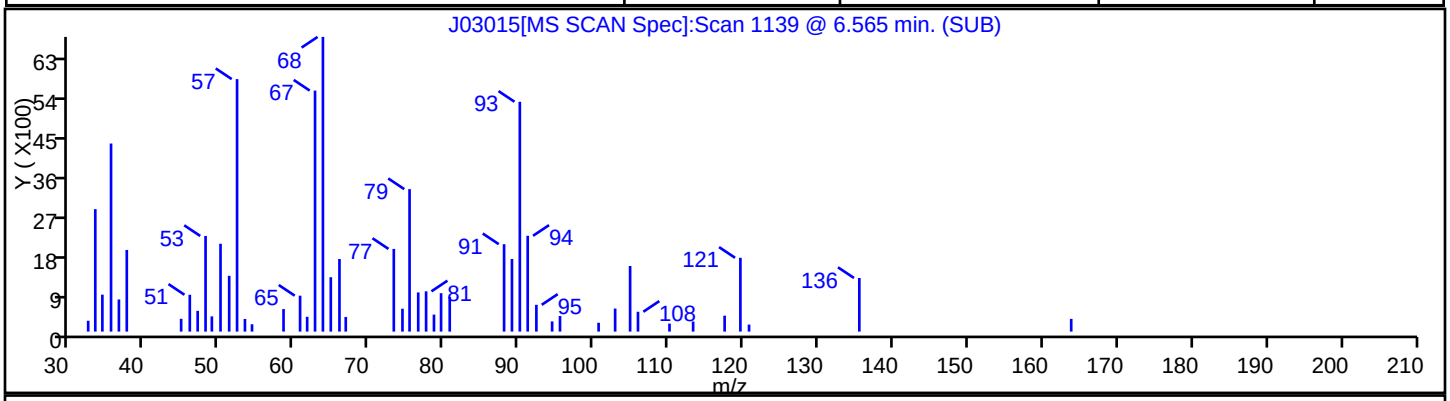
Lims Batch ID: 49174 Lims Sample ID: 20

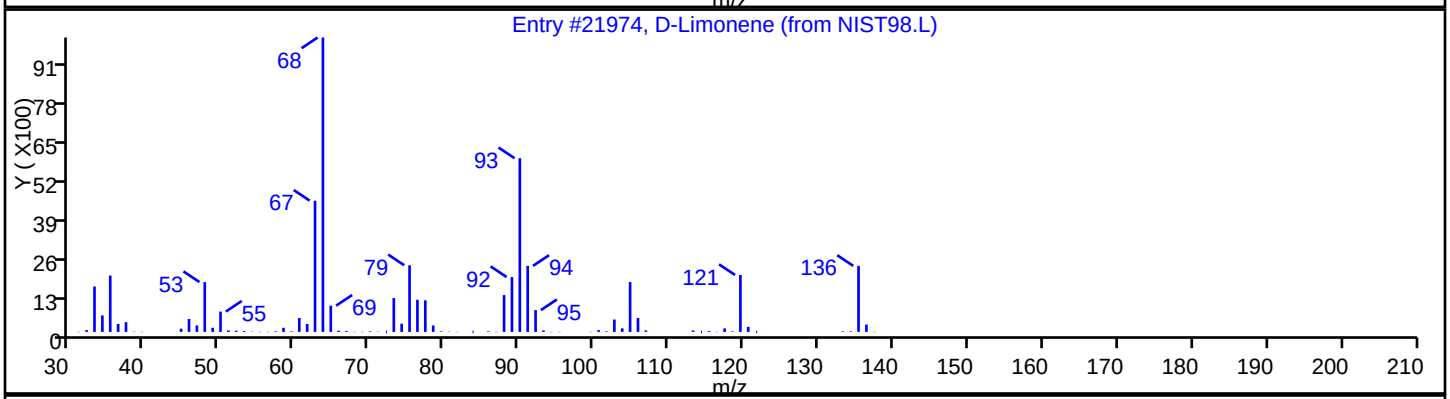
Client ID: OC-SB-410-17/19-XXX Instrument: Inst. J

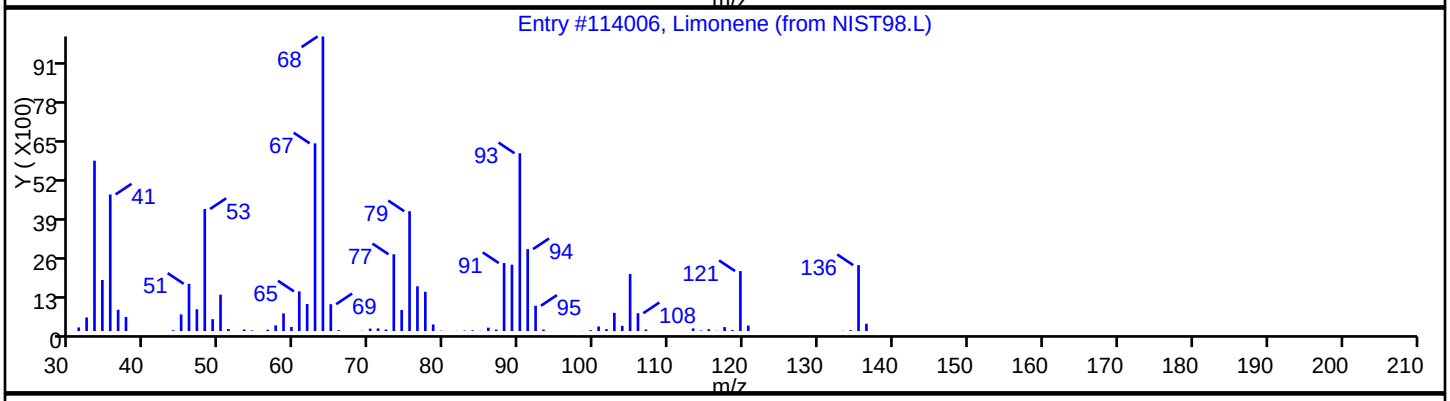
Sample Info: 360-24327-a-10-b

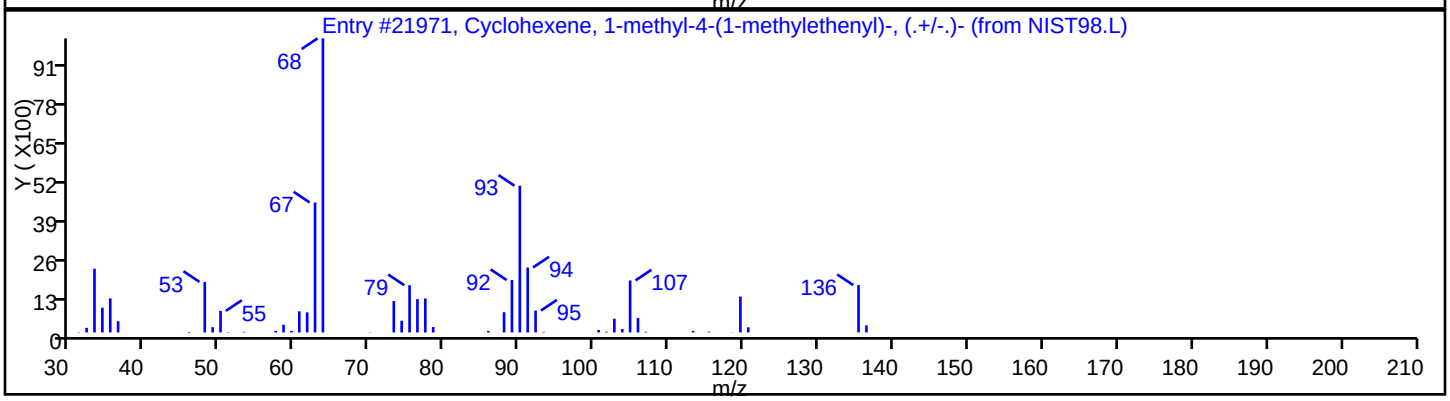
Sample Amount: 1.00 uL Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
D-Limonene	5989-27-5	NIST98.L	21974	94
Limonene	138-86-3	NIST98.L	114006	94
Cyclohexene, 1-methyl-4-(1-methylethenyl	7705-14-8	NIST98.L	21971	64





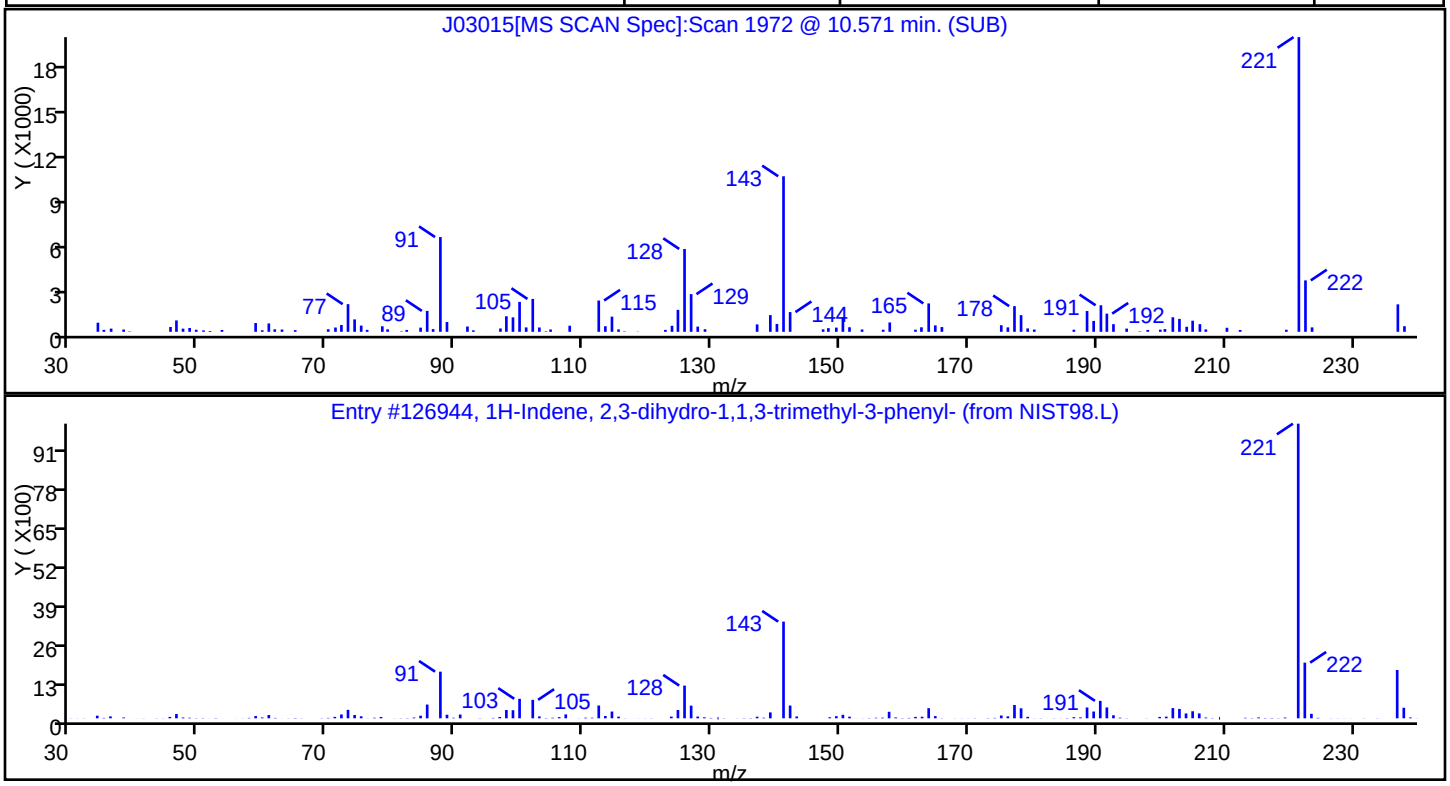




Report Date: 21-Sep-2009 08:11:46 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03015.D		
Inj Date:	18-Sep-2009 18:02:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	20
Client ID:	OC-SB-410-17/19-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-10-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



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-418-15/17-XXX | Lab Sample ID: 360-24327-16

Matrix: Solid | Lab File ID: J03023.D

Analysis Method: 8270C LL | Date Collected: 08/27/2009 09:00

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.04(g) | Date Analyzed: 09/18/2009 21:40

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

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

% Moisture: 9.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49174 | 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	2.5
120-82-1	1,2,4-Trichlorobenzene	ND		37	7.2
95-50-1	1,2-Dichlorobenzene	ND		37	4.0
541-73-1	1,3-Dichlorobenzene	ND		37	11
106-46-7	1,4-Dichlorobenzene	ND		37	6.7
90-12-0	1-Methylnaphthalene	ND		37	2.2
108-60-1	2,2'-oxybis[1-chloropropane]	ND		37	3.7
58-90-2	2,3,4,6-Tetrachlorophenol	ND		37	2.2
95-95-4	2,4,5-Trichlorophenol	ND		37	4.2
88-06-2	2,4,6-Trichlorophenol	ND		37	7.7
120-83-2	2,4-Dichlorophenol	ND		37	7.1
105-67-9	2,4-Dimethylphenol	ND		37	6.4
51-28-5	2,4-Dinitrophenol	ND		37	5.4
121-14-2	2,4-Dinitrotoluene	ND		37	5.2
606-20-2	2,6-Dinitrotoluene	ND		37	4.7
91-58-7	2-Chloronaphthalene	ND		37	5.7
95-57-8	2-Chlorophenol	ND		37	3.6
91-57-6	2-Methylnaphthalene	ND		37	28
95-48-7	2-Methylphenol	ND		37	5.3
88-74-4	2-Nitroaniline	ND		180	24
88-75-5	2-Nitrophenol	ND		37	4.3
15831-10-4	3 & 4 Methylphenol	ND		37	7.0
91-94-1	3,3'-Dichlorobenzidine	ND	*	74	27
99-09-2	3-Nitroaniline	ND		180	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	9.4
101-55-3	4-Bromophenyl phenyl ether	ND		37	7.7
59-50-7	4-Chloro-3-methylphenol	ND		74	10
106-47-8	4-Chloroaniline	ND		74	15
7005-72-3	4-Chlorophenyl phenyl ether	ND		37	5.9
100-01-6	4-Nitroaniline	ND		180	9.8
100-02-7	4-Nitrophenol	ND		180	7.2
83-32-9	Acenaphthene	ND		37	5.4
208-96-8	Acenaphthylene	ND		37	6.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-418-15/17-XXX | Lab Sample ID: 360-24327-16

Matrix: Solid | Lab File ID: J03023.D

Analysis Method: 8270C LL | Date Collected: 08/27/2009 09:00

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.04(g) | Date Analyzed: 09/18/2009 21:40

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

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

% Moisture: 9.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49174 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		37	4.0
62-53-3	Aniline	ND	*	37	19
120-12-7	Anthracene	ND		37	12
1912-24-9	Atrazine	ND		37	11
103-33-3	Azobenzene	ND		37	4.6
100-52-7	Benzaldehyde	ND		37	11
56-55-3	Benzo[a]anthracene	ND		37	7.1
50-32-8	Benzo[a]pyrene	ND		37	6.8
205-99-2	Benzo[b]fluoranthene	ND		37	8.5
191-24-2	Benzo[g,h,i]perylene	ND		37	7.2
207-08-9	Benzo[k]fluoranthene	ND		37	10
65-85-0	Benzoic acid	ND		180	16
119-61-9	Benzophenone	ND		37	2.2
100-51-6	Benzyl alcohol	ND		74	8.5
111-91-1	Bis(2-chloroethoxy)methane	ND		37	6.6
111-44-4	Bis(2-chloroethyl)ether	ND		37	9.0
117-81-7	Bis(2-ethylhexyl) phthalate	ND		37	12
85-68-7	Butyl benzyl phthalate	ND		37	8.1
105-60-2	Caprolactam	ND		37	11
86-74-8	Carbazole	ND		37	37
218-01-9	Chrysene	ND		37	8.0
53-70-3	Dibenz(a,h)anthracene	ND		37	7.5
132-64-9	Dibenzofuran	ND		37	21
84-66-2	Diethyl phthalate	ND		37	5.2
131-11-3	Dimethyl phthalate	ND		37	5.4
84-74-2	Di-n-butyl phthalate	ND		37	11
117-84-0	Di-n-octyl phthalate	ND		37	10
101-84-8	Diphenyl oxide	ND		37	11
206-44-0	Fluoranthene	ND		37	23
86-73-7	Fluorene	ND		37	14
118-74-1	Hexachlorobenzene	ND		37	8.8
87-68-3	Hexachlorobutadiene	ND		37	7.4
77-47-4	Hexachlorocyclopentadiene	ND		74	10
67-72-1	Hexachloroethane	ND		37	7.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-418-15/17-XXX | Lab Sample ID: 360-24327-16

Matrix: Solid | Lab File ID: J03023.D

Analysis Method: 8270C LL | Date Collected: 08/27/2009 09:00

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.04(g) | Date Analyzed: 09/18/2009 21:40

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

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

% Moisture: 9.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49174 | 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	7.9
91-20-3	Naphthalene	ND		89	82
98-95-3	Nitrobenzene	ND		37	5.0
62-75-9	N-Nitrosodimethylamine	ND		37	4.3
621-64-7	N-Nitrosodi-n-propylamine	ND		37	4.2
86-30-6	N-Nitrosodiphenylamine	ND		37	7.4
87-86-5	Pentachlorophenol	ND		37	7.6
85-01-8	Phenanthrene	ND		44	43
108-95-2	Phenol	ND		37	4.6
129-00-0	Pyrene	ND		37	9.8

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	62	30-130	
321-60-8	2-Fluorobiphenyl	61	30-130	
367-12-4	2-Fluorophenol	64	30-130	
4165-60-0	Nitrobenzene-d5	58	30-130	
4165-62-2	Phenol-d5	64	30-130	
1718-51-0	Terphenyl-d14	60	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: OC-SB-418-15/17-XXX | Lab Sample ID: 360-24327-16

Matrix: Solid | Lab File ID: J03023.D

Analysis Method: 8270C LL | Date Collected: 08/27/2009 09:00

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.04(g) | Date Analyzed: 09/18/2009 21:40

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

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

% Moisture: 9.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49174 | Units: ug/Kg

Number TICs Found: 6 | TIC Result Total: 92

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	5.34	16	T J
128-37-0	Butylated Hydroxytoluene	9.54	12	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	10.10	22	T J N
	Unknown	10.47	17	T J
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.57	14	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.07	11	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03023.D		
Lims ID:	360-24327-A-16-A	Client ID:	OC-SB-418-15/17-XXX
Inject. Date:	18-Sep-2009 21:40:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24327-a-16-a		
Misc. Info.:	360-0001221-028		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	49174	Lims Sample ID:	28
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\8270NDMA.m		
Last Update:	21-Sep-2009 08:39:58	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 08:39:58

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.415	6.419	-0.004	93965	2.00	
* 2 Naphthalene-d8	136	7.747	7.746	0.001	235872	2.00	
* 3 Acenaphthene-d10	164	9.478	9.477	0.001	110209	2.00	
* 4 Phenanthrene-d10	188	10.921	10.920	0.001	201720	2.00	
* 5 Chrysene-d12	240	13.498	13.497	0.001	162697	2.00	
* 6 Perylene-d12	264	14.849	14.844	0.005	117335	2.00	
$ 7 2-Fluorophenol	112	4.717	4.654	0.063	187168	6.36	
$ 8 Phenol-d5	99	6.093	6.082	0.011	232302	6.38	
$ 9 Nitrobenzene-d5	82	7.025	7.025	0.000	105590	2.92	
$ 10 2-Fluorobiphenyl	172	8.843	8.842	0.001	211790	3.03	
$ 11 2,4,6-Tribromophenol	330	10.252	10.251	0.001	50291	6.19	
$ 12 Terphenyl-d14	244	12.503	12.502	0.001	186902	3.01	
30 Acetophenone	105	6.881	6.875	0.006	4007	0.0957	
41 Naphthalene	128	7.766	7.765	0.001	1566	0.0145	
66 Diethyl phthalate	149	9.949	9.948	0.001	983	0.0145	
72 N-Nitrosodiphenylamine	169	10.156	10.150	0.006	710	0.0120	
80 Phenanthrene	178	10.945	10.944	0.001	4389	0.0428	
84 Di-n-butyl phthalate	149	11.551	11.550	0.001	14139	0.1291	
87 Fluoranthene	202	12.099	12.098	0.001	3710	0.0409	
85 Pyrene	202	12.315	12.314	0.001	2965	0.0316	
89 Butyl benzyl phthalate	149	13.008	13.007	0.001	991	0.1342	
93 Benzo[a]anthracene	228	13.488	13.488	0.000	1956	0.0282	
94 Chrysene	228	13.522	13.521	0.001	1391	0.0185	
92 Bis(2-ethylhexyl) phthalate	149	13.589	13.589	0.000	6670	0.1956	
97 Benzo[b]fluoranthene	252	14.503	14.497	0.006	3539	0.0528	
98 Benzo[k]fluoranthene	252	14.522	14.526	-0.004	1901	0.0295	M
99 Benzo[a]pyrene	252	14.796	14.791	0.005	3559	0.1614	
100 Indeno[1,2,3-cd]pyrene	276	15.758	15.757	0.001	3990	0.1457	
101 Dibenz(a,h)anthracene	278	15.777	15.777	0.000	2028	0.1215	
102 Benzo[g,h,i]perylene	276	15.970	15.969	0.001	2046	0.0583	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03023.D		
Lims ID:	360-24327-A-16-A	Client ID:	OC-SB-418-15/17-XXX
Inject. Date:	18-Sep-2009 21:40:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24327-a-16-a		
Misc. Info.:	360-0001221-028		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	49174	Lims Sample ID:	28
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\8270NDMA.m		
Last Update:	21-Sep-2009 08:39:58	Calib Date:	15-Sep-2009 21:23:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	21-Sep-2009 08:39:58

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Alpha-Terpineol	7.809	249	0.0114	
Diphenylamine	10.156	710	0.0120	
Benzidine	12.243	147	0.8203	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
5.338	85527	0.4287	1			
128-37-0		Butylated Hydroxytoluene				
9.540	82771	0.3205	3	95	126413	
615-22-5		Benzothiazole, 2-(methylthio)-				
10.098	150552	0.5830	3	98	125390	
		Unknown				
10.469	135409	0.4473	4			
3910-35-8		1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3				
10.570	110686	0.3657	4	96	126944	
22768-22-5		2,4-Diphenyl-4-methyl-2(E)-pentene				
11.074	88431	0.2921	4	96	64461	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	6.415	398973	2.00

Report Date: 21-Sep-2009 08:39:59 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03023.D

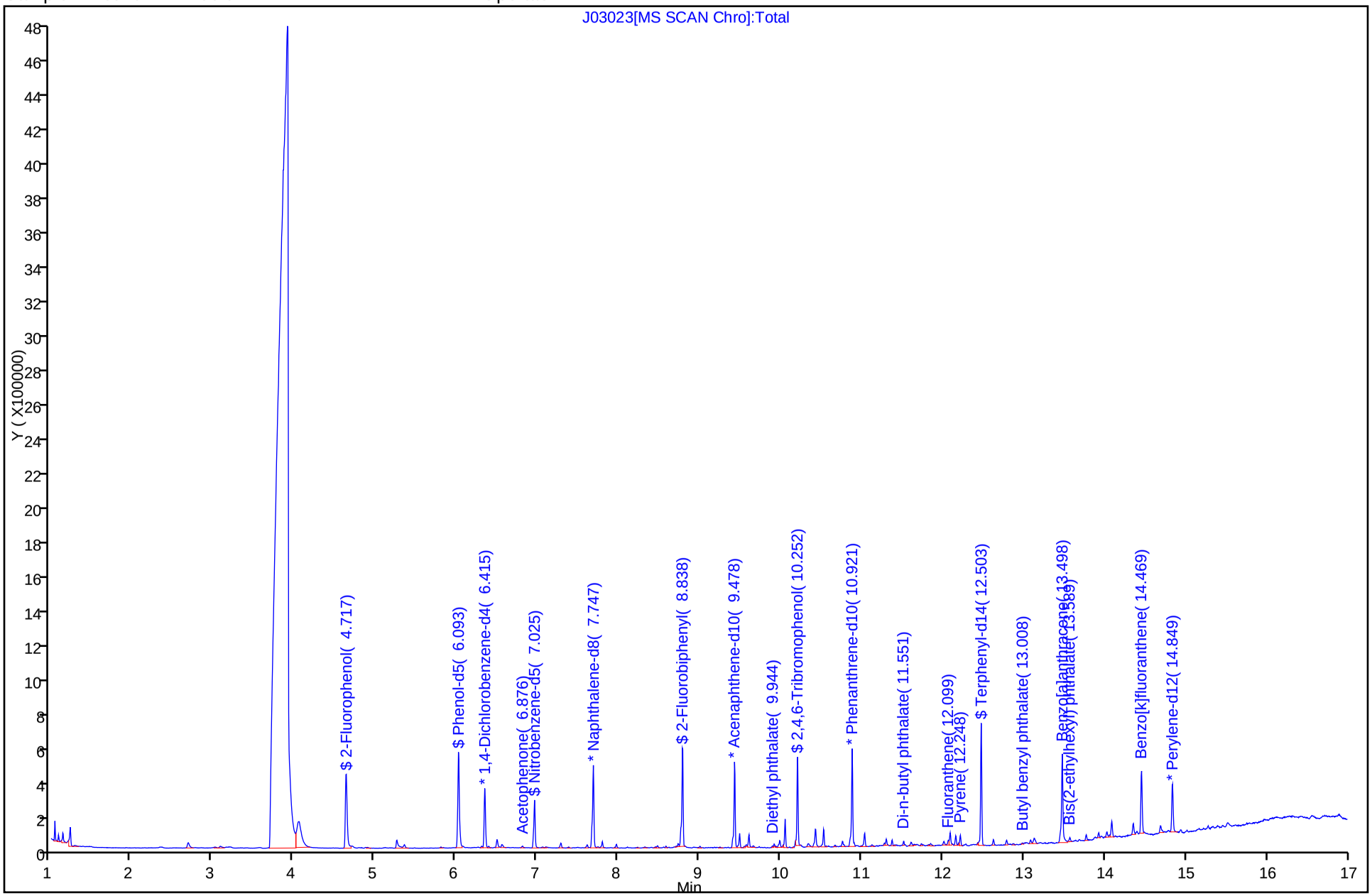
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	9.478	516455	2.00
* 4 Phenanthrene-d10	10.921	605386	2.00

QC Flag Legend

Processing Flags

Report Date: 21-Sep-2009 08:39:59 Chrom Revision: 1.0.2009.910

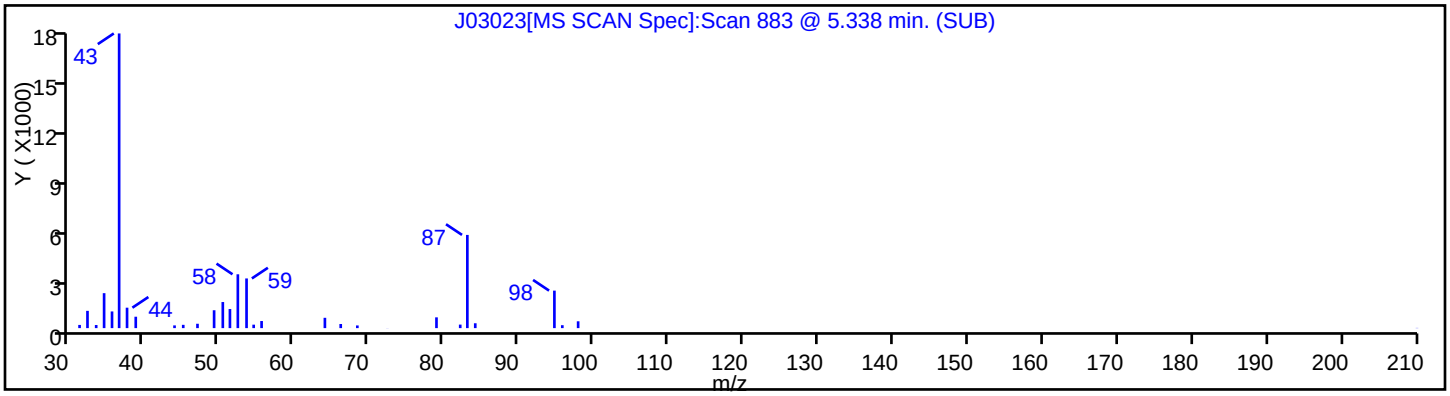
Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03023.D		
Inj Date:	18-Sep-2009 21:40:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	28
Client ID:	OC-SB-418-15/17-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-16-a		
Sample Amount:	1.00 uL	Operator:	



Report Date: 21-Sep-2009 08:40:01 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03023.D		
Inj Date:	18-Sep-2009 21:40:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	28
Client ID:	OC-SB-418-15/17-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-16-a		
Sample Amount:	1.00 uL	Operator:	

No Library Matches Found above the Threshold: 50



Report Date: 21-Sep-2009 08:40:01 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03023.D

Inj Date: 18-Sep-2009 21:40:30 Limit Group: SMS - 8270LL SVOA Calibration

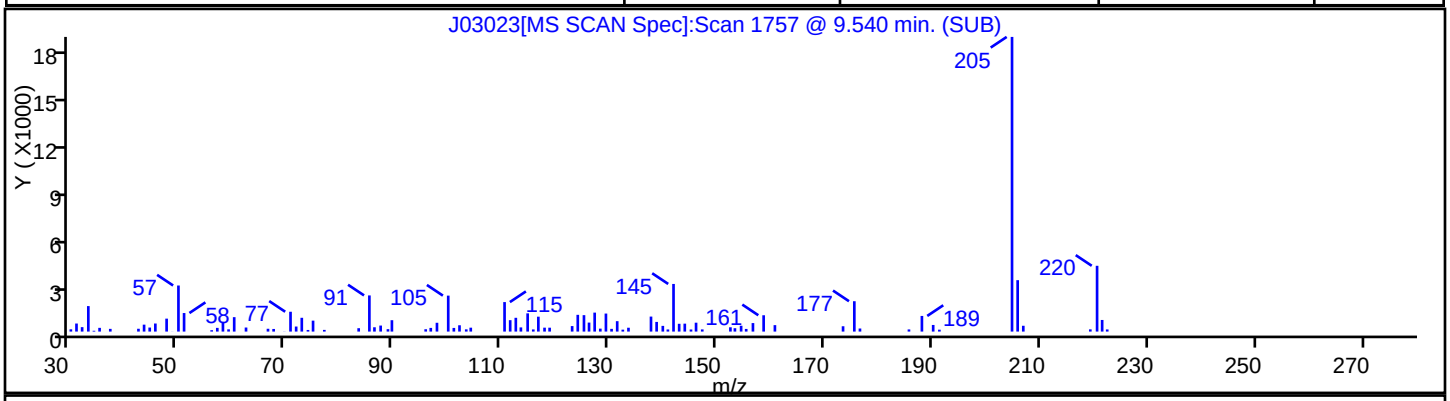
Lims Batch ID: 49174 Lims Sample ID: 28

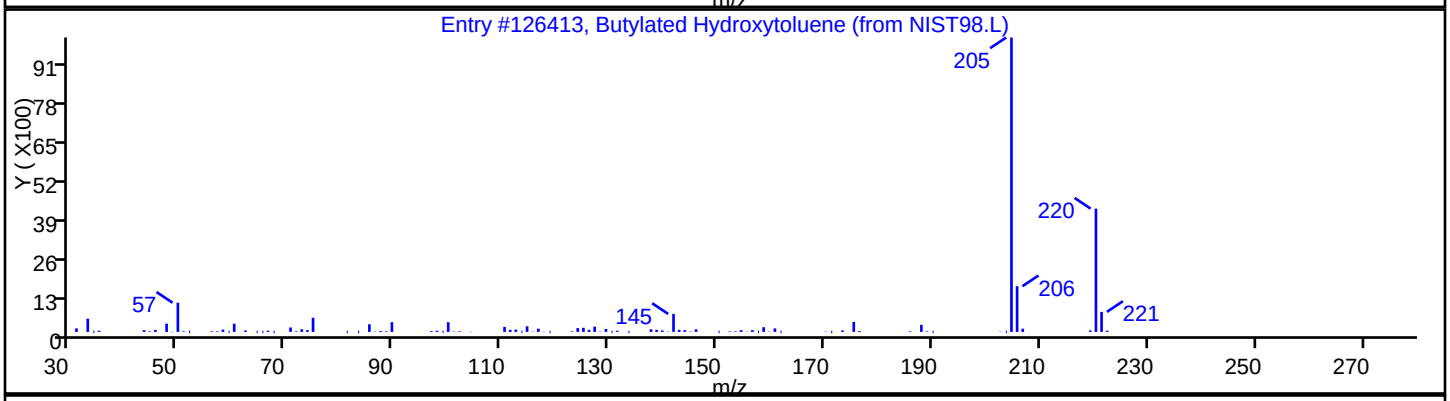
Client ID: OC-SB-418-15/17-XXX Instrument: Inst. J

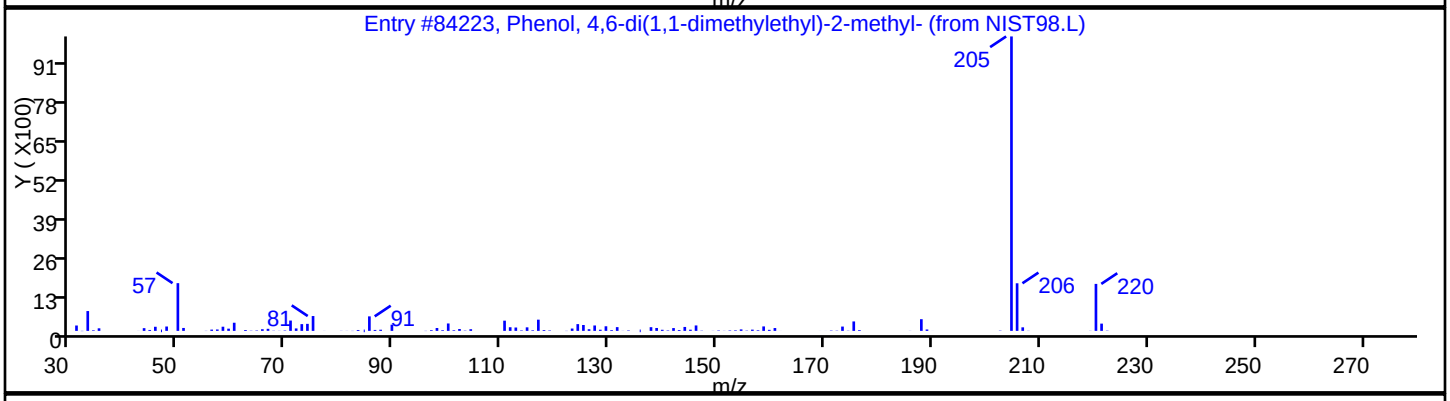
Sample Info: 360-24327-a-16-a

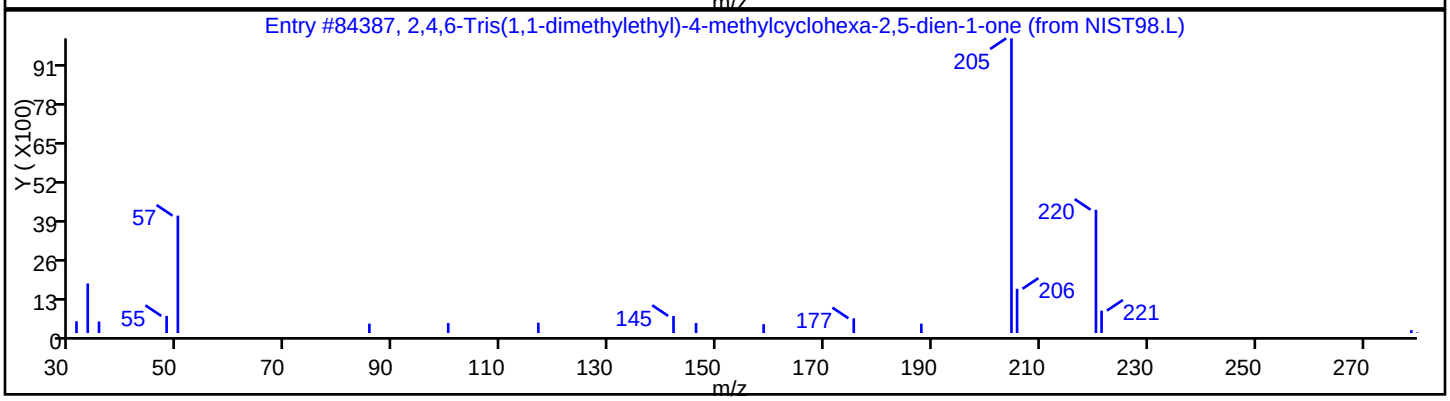
Sample Amount: 1.00 uL Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butylated Hydroxytoluene	128-37-0	NIST98.L	126413	95
Phenol, 4,6-di(1,1-dimethylethyl)-2-meth	616-55-7	NIST98.L	84223	87
2,4,6-Tris(1,1-dimethylethyl)-4-methylcy	19687-22-0	NIST98.L	84387	74









Report Date: 21-Sep-2009 08:40:01 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03023.D

Inj Date: 18-Sep-2009 21:40:30 Limit Group: SMS - 8270LL SVOA Calibration

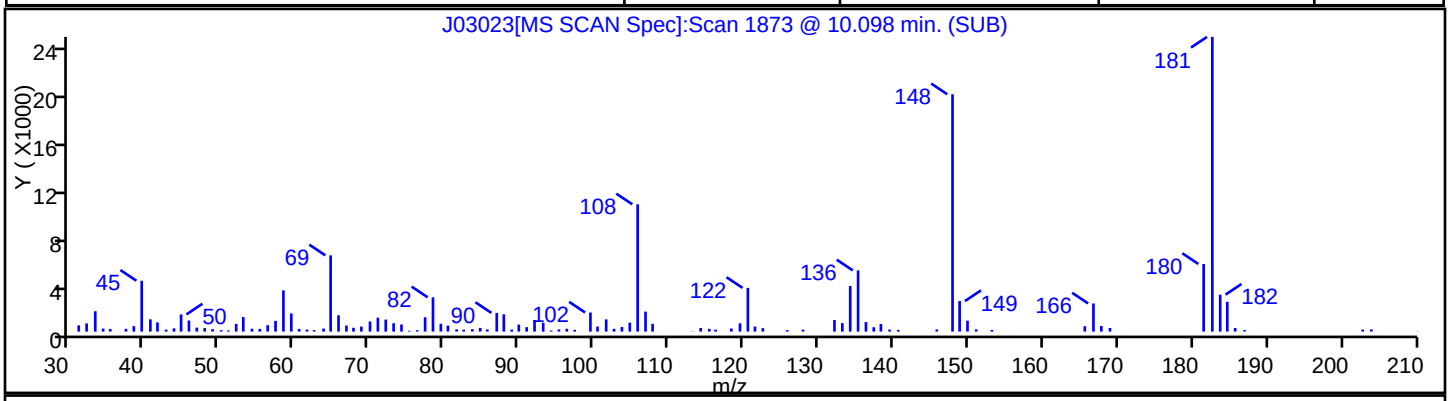
Lims Batch ID: 49174 Lims Sample ID: 28

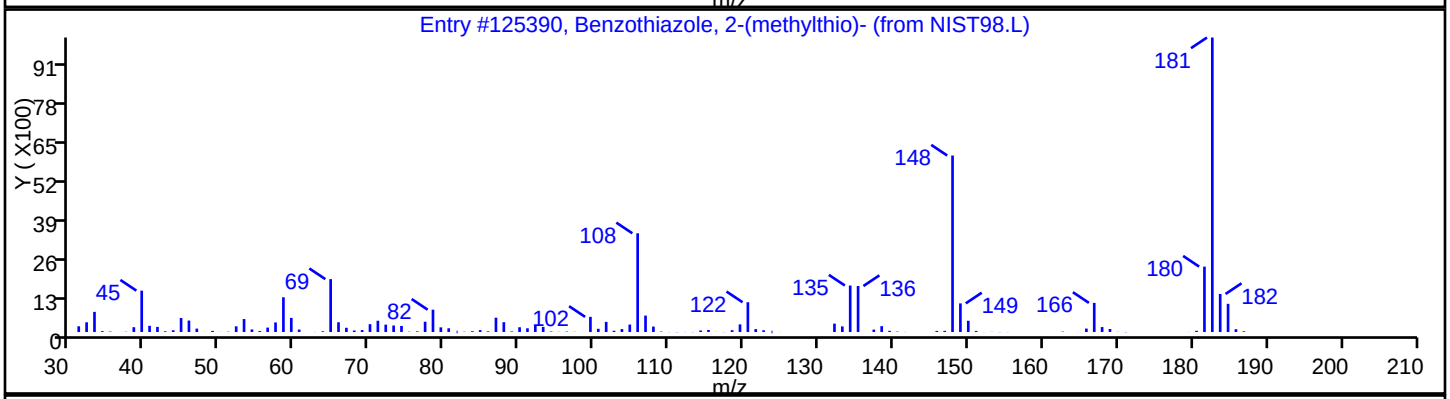
Client ID: OC-SB-418-15/17-XXX Instrument: Inst. J

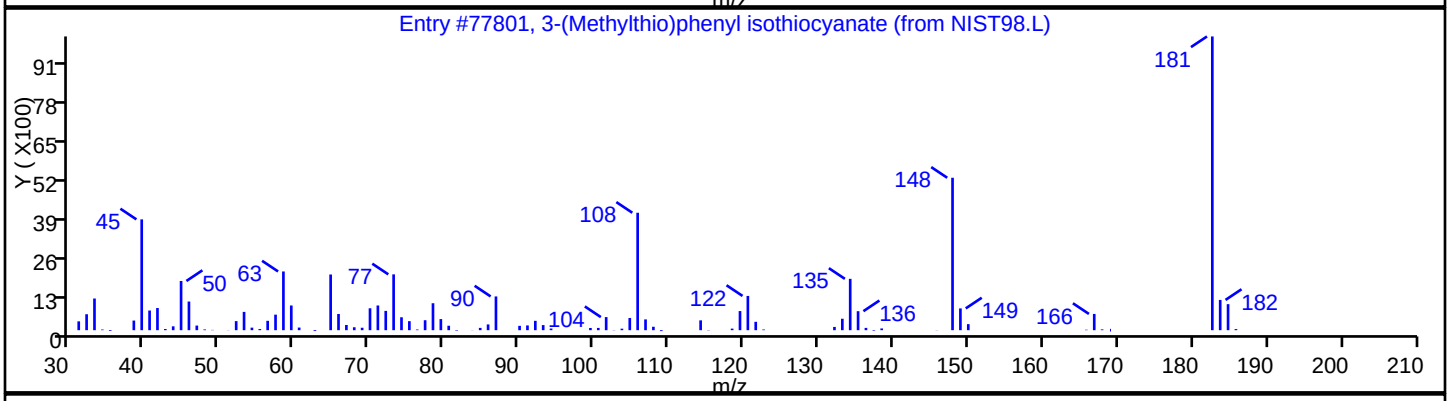
Sample Info: 360-24327-a-16-a

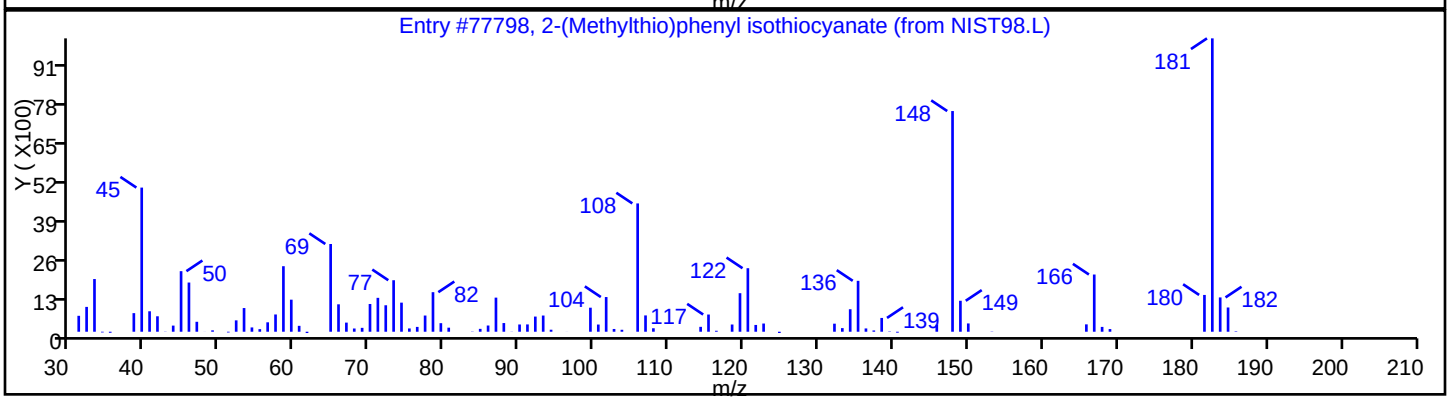
Sample Amount: 1.00 uL Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	125390	98
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	74
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	72





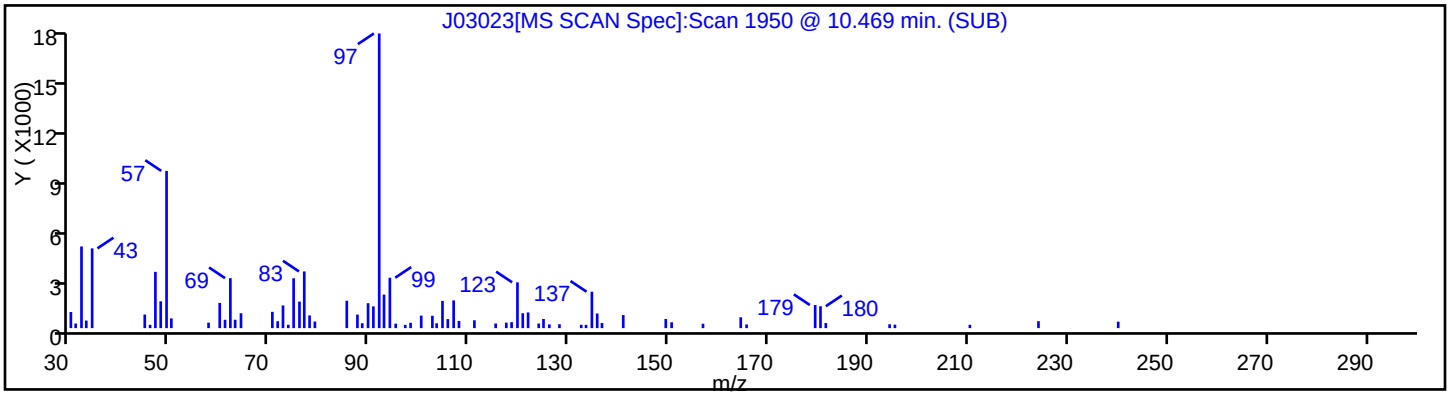




Report Date: 21-Sep-2009 08:40:01 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03023.D		
Inj Date:	18-Sep-2009 21:40:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	28
Client ID:	OC-SB-418-15/17-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-16-a		
Sample Amount:	1.00 uL	Operator:	

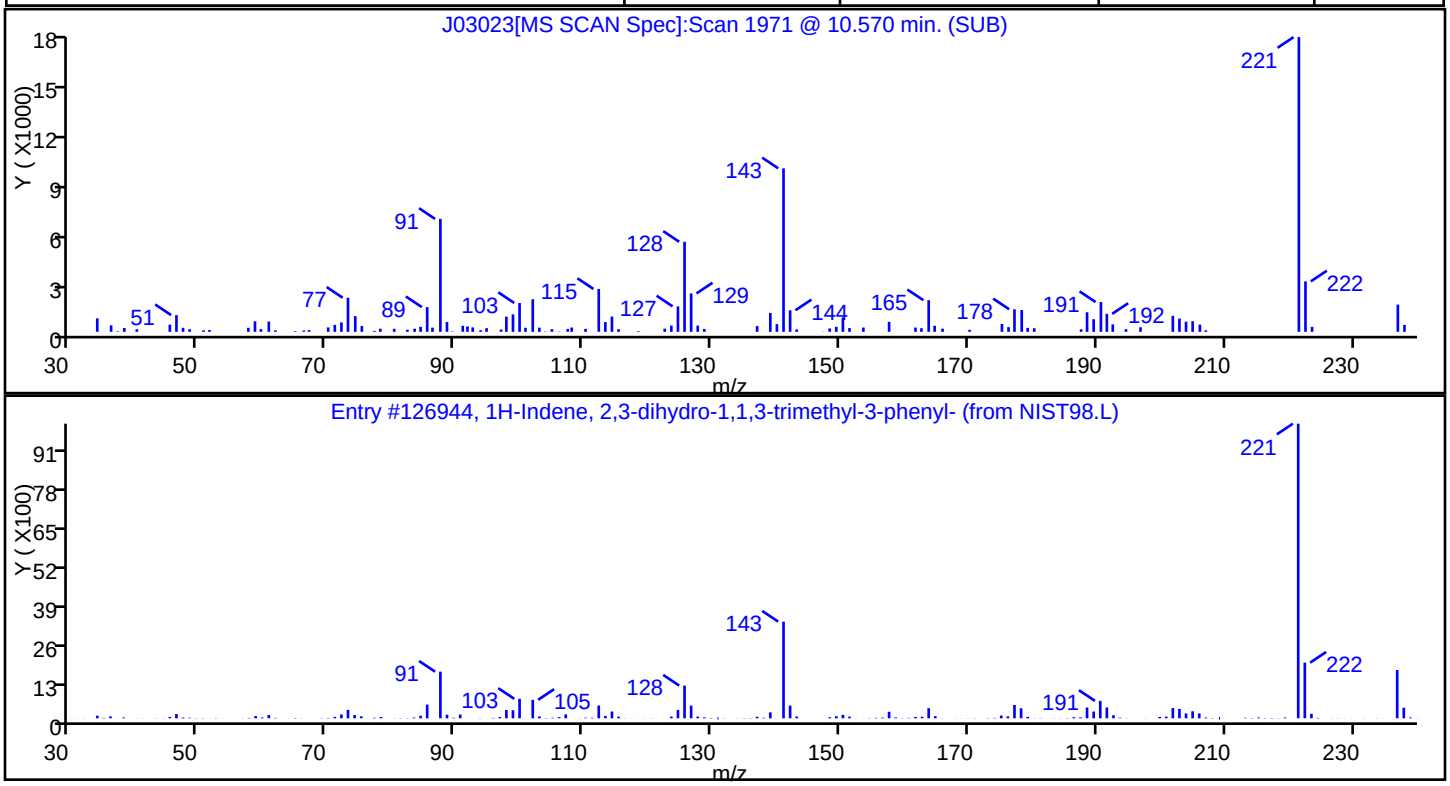
No Library Matches Found above the Threshold: 50



Report Date: 21-Sep-2009 08:40:01 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03023.D		
Inj Date:	18-Sep-2009 21:40:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	28
Client ID:	OC-SB-418-15/17-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-16-a		
Sample Amount:	1.00 uL	Operator:	

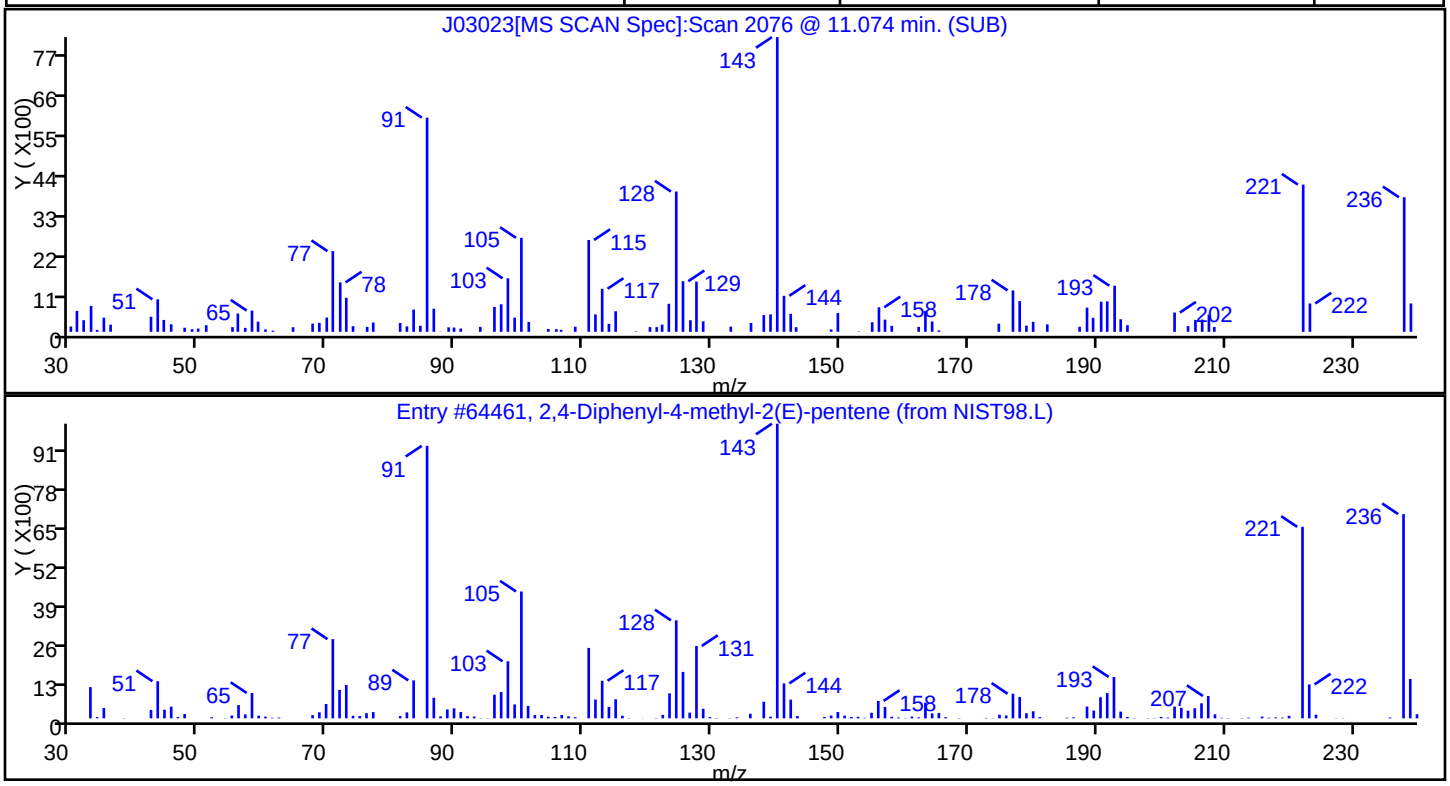
Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126944	96



Report Date: 21-Sep-2009 08:40:01 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03023.D		
Inj Date:	18-Sep-2009 21:40:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	28
Client ID:	OC-SB-418-15/17-XXX	Instrument:	Inst. J
Sample Info:	360-24327-a-16-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	96



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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2 Analy Batch No.: 49097

SDG No.: OCRI-07A

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

Calibration Start Date: 09/17/2009 13:00 Calibration End Date: 09/17/2009 17:32 Calibration ID: 4606

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49097/3	B10362.D
Level 2	STD025 360-49097/4	B10363.D
Level 3	STD05 360-49097/5	B10364.D
Level 4	STD1 360-49097/6	B10365.D
Level 5	STD25 360-49097/7	B10366.D
Level 6	STD5 360-49097/2	B10361.D
Level 7	STD8 360-49097/8	B10367.D
Level 8	STD10 360-49097/9	B10368.D
Level 9	STD20 360-49097/10	B10369.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Pyridine	+++++ 0.5092	0.4476 0.4513	0.4988 0.4721	0.4957 0.5657	0.5697	Ave		0.5013				9.3		15.0			
1,4-Dioxane	0.4759 0.2062	0.3664 0.1895	0.3118 0.1894	0.2563 0.2123	0.2426	Lin1	0.0358	0.2011							0.9940		0.9900
N-Nitrosodimethylamine	0.4880 0.3594	0.4631 0.3502	0.4740 0.3265	0.4443 0.3842	0.4146	Ave		0.4116				14.0		15.0			
Benzoic acid	+++++ 0.0429	+++++ 0.1053	0.0154 0.1120	0.0459 0.1919	0.0375	Qua	-0.030	0.0344	0.0080						0.9980		0.9900
Benzaldehyde	0.3491 0.2377	0.2967 0.2077	0.2561 0.1747	0.2800 0.2089	0.2570	Lin	0.0445	0.2013							0.9900		0.9900
Phenol	0.7829 0.6499	0.7444 0.6220	0.7798 0.5957	0.7577 0.7232	0.7232	Ave		0.7088				9.8		15.0			
Aniline	0.1722 0.6990	0.2551 0.6788	0.3976 0.6703	0.6688 0.8237	0.7019	Lin1	-0.096	0.7533							0.9900		0.9900
Bis(2-chloroethyl)ether	0.6340 0.5432	0.6604 0.5137	0.7119 0.4707	0.6502 0.5679	0.6063	Ave		0.5954				13.0		15.0			
2-Chlorophenol	0.6125 0.5540	0.6440 0.5258	0.6406 0.5048	0.6325 0.6052	0.6189	Ave		0.5931				8.7		15.0			
1,4-Dichlorobenzene	0.8005 0.6463	0.8277 0.6142	0.8384 0.5965	0.7921 0.6957	0.7316	Ave		0.7270				13.0		15.0			
1,3-Dichlorobenzene	0.8296 0.6641	0.8829 0.6379	0.8886 0.6158	0.8264 0.7132	0.7531	Ave		0.7568				14.0		15.0			
Benzyl alcohol	0.1374 0.4351	0.2419 0.4184	0.2921 0.3954	0.4028 0.4998	0.4409	Lin1	-0.047	0.4567							0.9900		0.9900
1,2-Dichlorobenzene	0.8275 0.6203	0.7954 0.5877	0.7851 0.5669	0.7432 0.6685	0.6950	Ave		0.6988				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.: 360-24327-2 Analy Batch No.: 49097

SDG No.: OCRI-07A

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

Calibration Start Date: 09/17/2009 13:00 Calibration End Date: 09/17/2009 17:32 Calibration ID: 4606

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	0.5771 0.5181	0.6018 0.4904	0.6085 0.4848	0.5975 0.5916	0.5601	Ave		0.5589				8.7		15.0			
2,2'-oxybis[1-chloropropane]	1.1843 0.9451	1.2245 0.9070	1.2201 0.8565	1.1688 0.9458	1.0905	Ave		1.0603				14.0		15.0			
2,4-Dinitrophenol	+++++ 0.0584	+++++ 0.0927	0.0175 0.1082	0.0433 0.1452	0.0487	Qua	-0.051	0.0655	0.0041		0.0500				0.9980		0.9900
4-Nitrophenol	+++++ 0.1511	+++++ 0.1742	0.1000 0.1840	0.1286 0.1939	0.1369	Lin1	-0.064	0.1880			0.0500				0.9940		0.9900
3 & 4 Methylphenol	0.5238 0.5203	0.5666 0.4974	0.6045 0.4751	0.5802 0.5877	0.5664	Ave		0.5469				8.1		15.0			
N-Nitrosodi-n-propylamine	0.4198 0.3677	0.4047 0.3616	0.4314 0.3481	0.4259 0.4330	0.4223	Ave		0.4016			0.0500	8.3		15.0			
Acetophenone	0.8384 0.7389	0.8983 0.7123	0.9276 0.6775	0.8652 0.8082	0.8351	Ave		0.8113				11.0		15.0			
Hexachloroethane	0.2791 0.2306	0.2686 0.2215	0.2896 0.2173	0.2642 0.2653	0.2604	Ave		0.2552				10.0		15.0			
Nitrobenzene	0.2630 0.2720	0.2904 0.2330	0.3044 0.2238	0.2974 0.2694	0.2742	Ave		0.2697				10.0		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.0563	+++++ 0.0863	0.0354 0.0996	0.0478 0.1235	0.0560	Qua	-0.042	0.0685	0.0029						0.9970		0.9900
Isophorone	0.4009 0.4591	0.4271 0.3985	0.4842 0.3759	0.4853 0.4372	0.4643	Ave		0.4369				9.0		15.0			
2,4-Dimethylphenol	0.1904 0.2234	0.2340 0.1755	0.2172 0.1647	0.2027 0.2209	0.1939	Ave		0.2025				12.0		15.0			
2-Nitrophenol	0.1013 0.1297	0.1235 0.1205	0.1400 0.1160	0.1440 0.1523	0.1381	Ave		0.1295				12.0		15.0			
Benzidine	+++++ 0.4273	+++++ 0.5411	+++++ 0.5385	0.0389 0.6650	0.1929	Lin	-1.223	0.7100							0.9940		0.9900
Bis(2-chloroethoxy)methane	0.2841 0.2671	0.3010 0.2322	0.3058 0.2182	0.2975 0.2676	0.2701	Ave		0.2715				11.0		15.0			
2,4-Dichlorophenol	0.1676 0.2019	0.2062 0.1733	0.1976 0.1672	0.1994 0.2081	0.1994	Ave		0.1912				8.8		15.0			
1,2,4-Trichlorobenzene	0.2542 0.2288	0.2626 0.1972	0.2687 0.1875	0.2587 0.2299	0.2377	Ave		0.2361				12.0		15.0			
Pentachlorophenol	+++++ 0.0723	+++++ 0.0942	0.0501 0.1021	0.0573 0.1223	0.0679	Qua	-0.035	0.0796	0.0022						0.9990		0.9900
Alpha-Terpineol	0.1939 0.2163	0.2162 0.1880	0.2103 0.1835	0.2172 0.2215	0.2099	Ave		0.2063				6.8		15.0			
Naphthalene	0.9079 0.7785	0.8829 0.6657	0.9107 0.6189	0.8834 0.5875	0.7892	Lin	0.3445	0.5846							0.9930		0.9900

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2 Analy Batch No.: 49097

SDG No.: OCRI-07A

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

Calibration Start Date: 09/17/2009 13:00 Calibration End Date: 09/17/2009 17:32 Calibration ID: 4606

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Chloroaniline	0.2601 0.3852	0.1946 0.3393	0.3372 0.3178	0.3652 0.3339	0.3520	Lin1	-0.009	0.3394							0.9960		0.9900
Hexachlorobutadiene	0.1165 0.1158	0.1220 0.1018	0.1353 0.0990	0.1282 0.1208	0.1172	Ave		0.1174				9.8		15.0			
Caprolactam	0.1207 0.1146	0.0937 0.0998	0.0965 0.0940	0.1117 0.1102	0.1107	Ave		0.1058				9.4		15.0			
4-Chloro-3-methylphenol	0.1544 0.2034	0.1953 0.1773	0.1678 0.1683	0.1980 0.2156	0.1992	Ave		0.1866				11.0		15.0			
2-Methylnaphthalene	0.5523 0.4861	0.5516 0.4159	0.5723 0.3952	0.5442 0.4294	0.4927	Ave		0.4933				13.0		15.0			
1-Methylnaphthalene	0.5541 0.4839	0.5583 0.4228	0.5594 0.4017	0.5495 0.4297	0.5027	Ave		0.4958				13.0		15.0			
Hexachlorocyclopentadiene	0.1114 0.1542	0.1292 0.1739	0.1436 0.1793	0.1405 0.1852	0.1453	Lin2	-0.006	0.1632			0.0500				0.9900		0.9900
1,2,4,5-Tetrachlorobenzene	0.2252 0.2004	0.2283 0.1754	0.2300 0.1693	0.2300 0.2037	0.2033	Ave		0.2073				11.0		15.0			
2,4,6-Trichlorophenol	0.2419 0.3008	0.2688 0.3298	0.2815 0.3462	0.2948 0.3612	0.2838	Ave		0.3010				13.0		15.0			
2,4,5-Trichlorophenol	0.2491 0.3210	0.2788 0.3496	0.2607 0.3544	0.3066 0.3809	0.3163	Ave		0.3130				14.0		15.0			
1,1'-Biphenyl	1.3872 1.3661	1.4906 1.4780	1.4853 1.5257	1.4692 1.2252	1.3686	Ave		1.4218				6.6		15.0			
2-Chloronaphthalene	1.3608 1.2428	1.3297 1.3512	1.3682 1.3869	1.3305 1.2850	1.3217	Ave		1.3307				3.3		15.0			
Phenyl ether	0.3681 0.3336	0.3761 0.2967	0.3752 0.2841	0.3635 0.3174	0.3346	Ave		0.3388				10.0		15.0			
4-Nitroaniline	0.2431 0.3576	0.2868 0.3985	0.3206 0.4142	0.3537 0.4247	0.3537	Lin2	-0.016	0.3819							0.9930		0.9900
Dimethyl phthalate	1.1872 1.1865	1.2592 1.2915	1.2965 1.3500	1.2574 1.2371	1.2000	Ave		1.2517				4.4		15.0			
2,6-Dinitrotoluene	0.2151 0.2834	0.2482 0.3145	0.2731 0.3235	0.2860 0.3394	0.2819	Ave		0.2850				13.0		15.0			
Acenaphthylene	1.4250 1.6221	1.5788 1.7404	1.6682 1.7797	1.7207 1.3818	1.6525	Ave		1.6188				8.5		15.0			
3-Nitroaniline	0.1433 0.2598	0.1753 0.2932	0.2173 0.3041	0.2384 0.3230	0.2466	Lin1	-0.030	0.3050							0.9940		0.9900
Acenaphthene	1.0820 1.1022	1.1927 1.2166	1.1787 1.2734	1.1941 1.0949	1.1091	Ave		1.1604				5.7		15.0			
2,4-Dinitrotoluene	0.1992 0.3426	0.2427 0.3914	0.2993 0.4071	0.3434 0.4365	0.3407	Lin1	-0.038	0.4101							0.9930		0.9900

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2 Analy Batch No.: 49097

SDG No.: OCRI-07A

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

Calibration Start Date: 09/17/2009 13:00 Calibration End Date: 09/17/2009 17:32 Calibration ID: 4606

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dibenzofuran	1.4010 1.4178	1.5470 1.5300	1.5413 1.5791	1.5566 1.2823	1.4518	Ave		1.4786				6.6		15.0			
2,3,4,6-Tetrachlorophenol	0.1511 0.2232	0.1943 0.2544	0.1880 0.2631	0.2154 0.2896	0.2251	Lin1	-0.023	0.2686							0.9920		0.9900
Diethyl phthalate	1.3408 1.1929	1.2859 1.2943	1.2775 1.3365	1.2626 1.1655	1.2170	Ave		1.2637				4.8		15.0			
4-Chlorophenyl phenyl ether	0.5521 0.5319	0.5760 0.5834	0.5564 0.6145	0.5596 0.6139	0.5293	Ave		0.5686				5.5		15.0			
2-Nitroaniline	0.1767 0.2616	0.1796 0.3302	0.2026 0.3450	0.2595 0.3786	0.2596	Lin	-0.203	0.3774							0.9930		0.9900
Fluorene	1.1307 1.2167	1.2618 1.3587	1.2371 1.4053	1.2834 1.1820	1.2143	Ave		1.2545				6.8		15.0			
Diphenylamine	0.5896 0.6113	0.6346 0.6712	0.6465 0.7093	0.6237 0.6414	0.6347	Ave		0.6403				5.4		15.0			
N-Nitrosodiphenylamine	0.5896 0.6113	0.6346 0.6712	0.6465 0.7093	0.6237 0.6414	0.6347	Ave		0.6403				5.4		15.0			
1,2-Diphenylhydrazine	0.9994 1.1593	1.0971 1.2580	1.1844 1.3050	1.1869 1.0819	1.1791	Ave		1.1612				7.9		15.0			
Azobenzene	0.9994 1.1593	1.0971 1.2580	1.1844 1.3050	1.1869 1.0819	1.1791	Ave		1.1612				7.9		15.0			
Benzophenone	0.6262 0.7019	0.7054 0.7744	0.7330 0.8193	0.7250 0.7516	0.7161	Ave		0.7281				7.3		15.0			
4-Bromophenyl phenyl ether	0.1540 0.1666	0.1721 0.1834	0.1781 0.1974	0.1733 0.2011	0.1703	Ave		0.1774				8.4		15.0			
Atrazine	0.1333 0.1779	0.1693 0.1998	0.1849 0.2092	0.1828 0.2005	0.1806	Ave		0.1820				12.0		15.0			
Hexachlorobenzene	0.1630 0.1541	0.1594 0.1714	0.1625 0.1818	0.1597 0.1902	0.1575	Ave		0.1666				7.3		15.0			
Pentachloronitrobenzene	0.0523 0.0707	0.0595 0.0829	0.0639 0.0861	0.0700 0.0929	0.0730	Lin1	-0.007	0.0867							0.9920		0.9900
Phenanthrene	1.0788 0.9562	1.0555 1.0418	1.0657 1.0708	1.0437 0.8630	0.9995	Ave		1.0194				6.9		15.0			
Anthracene	0.8692 0.9349	0.9068 1.0295	0.9673 1.0587	1.0009 0.8483	0.9736	Ave		0.9544				7.4		15.0			
Carbazole	0.7624 0.6657	0.8052 0.7927	0.8065 0.8409	0.7998 0.7998	0.7405	Ave		0.7793				6.6		15.0			
Di-n-butyl phthalate	1.5734 1.1472	1.2320 1.2284	1.2202 1.2715	1.2184 0.9097	1.1990	Ave		1.2222				14.0		15.0			
Fluoranthene	0.8584 0.8822	0.8741 0.9837	0.9111 1.0076	0.9242 0.9339	0.9052	Ave		0.9200				5.4		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2 Analy Batch No.: 49097

SDG No.: OCRI-07A

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

Calibration Start Date: 09/17/2009 13:00 Calibration End Date: 09/17/2009 17:32 Calibration ID: 4606

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	1.3416 1.2569	1.3744 1.3573	1.3660 1.3906	1.3339 1.1959	1.3374	Ave		1.3282				4.7		15.0			
Butyl benzyl phthalate	0.5373 0.6068	0.5026 0.6778	0.5642 0.6993	0.5859 0.6634	0.6380	Ave		0.6084				11.0		15.0			
Bis(2-ethylhexyl) phthalate	0.8942 0.8942	0.7377 0.9710	0.7761 1.0142	0.8430 0.8653	0.9192	Ave		0.8794				9.9		15.0			
3,3'-Dichlorobenzidine	0.2196 0.5156	0.3221 0.6386	0.4223 0.6876	0.5151 0.6792	0.5458	Lin1	-0.076	0.6551							0.9920		0.9900
Benzo[a]anthracene	0.8188 0.8342	0.8211 0.9237	0.8656 0.9474	0.8868 0.8905	0.8804	Ave		0.8743				5.1		15.0			
Chrysene	0.8615 0.7874	0.8605 0.8685	0.8720 0.9011	0.8563 0.8424	0.8188	Ave		0.8521				3.9		15.0			
Di-n-octyl phthalate	1.1569 1.9848	1.3068 2.3834	1.5099 2.4860	1.7426 2.4766	2.0438	Lin1	-0.253	2.4015							0.9940		0.9900
Benzo[b]fluoranthene	1.0506 1.0692	1.0406 1.1971	1.1066 1.2729	1.0995 1.3828	1.0883	Ave		1.1453				10.0		15.0			
Benzo[k]fluoranthene	0.9082 0.9692	1.0238 1.1717	1.0093 1.1777	0.9965 1.3042	1.0144	Ave		1.0639				12.0		15.0			
Benzo[a]pyrene	0.6610 0.8113	0.6231 0.9407	0.7351 0.9567	0.7875 1.0227	0.7980	Lin1	-0.075	0.9641							0.9940		0.9900
Indeno[1,2,3-cd]pyrene	0.4899 0.6064	0.4550 0.6915	0.4714 0.6270	0.5892 0.6774	0.5536	Ave		0.5735				15.0		15.0			
Dibenz(a,h)anthracene	0.3769 0.4860	0.3342 0.5449	0.3610 0.5025	0.4572 0.5571	0.4382	Lin1	-0.041	0.5317							0.9950		0.9900
Benzo[g,h,i]perylene	0.5520 0.5209	0.4429 0.5646	0.5098 0.5065	0.5408 0.5219	0.4815	Ave		0.5157				7.2		15.0			
2-Fluorophenol	0.5700 0.5143	0.5948 0.4938	0.6471 0.4720	0.6231 0.5719	0.5817	Ave		0.5632				10.0		15.0			
Phenol-d5	0.6809 0.6245	0.7266 0.6003	0.7425 0.5819	0.7134 0.7052	0.6870	Ave		0.6736				8.6		15.0			
Nitrobenzene-d5	0.2753 0.2773	0.2851 0.2411	0.3137 0.2333	0.3040 0.2734	0.2816	Ave		0.2761				9.4		15.0			
2-Fluorobiphenyl	1.3088 1.2264	1.3374 1.3419	1.3318 1.4105	1.3121 1.1647	1.2516	Ave		1.2983				5.6		15.0			
2,4,6-Tribromophenol	0.0343 0.0605	0.0501 0.0681	0.0557 0.0714	0.0554 0.0800	0.0606	Lin1	-0.007	0.0734							0.9900		0.9900
Terphenyl-d14	0.8217 0.7316	0.8062 0.7935	0.8200 0.8242	0.7787 0.7786	0.7782	Ave		0.7925				3.8		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2 Analy Batch No.: 49097

SDG No.: OCRI-07A

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

Calibration Start Date: 09/17/2009 13:00 Calibration End Date: 09/17/2009 17:32 Calibration ID: 4606

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49097/3	B10362.D
Level 2	STD025 360-49097/4	B10363.D
Level 3	STD05 360-49097/5	B10364.D
Level 4	STD1 360-49097/6	B10365.D
Level 5	STD25 360-49097/7	B10366.D
Level 6	STD5 360-49097/2	B10361.D
Level 7	STD8 360-49097/8	B10367.D
Level 8	STD10 360-49097/9	B10368.D
Level 9	STD20 360-49097/10	B10369.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Pyridine	DCB	Ave	+++++ 778726	29766 1205742	66803 1634379	142780 4011532	395610	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dioxane	DCB	Lin1	11117 315280	24362 506293	41755 655614	73833 1505109	168429	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodimethylamine	DCB	Ave	11399 549573	30797 935432	63478 1130377	127972 2724195	287892	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Qua	+++++ 142764	+++++ 678579	4883 933535	31017 3235296	62854	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Benzaldehyde	DCB	Lin	8155 363536	19729 554881	34295 604832	80668 1481010	178471	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol	DCB	Ave	18288 993963	49498 1661732	104427 2062455	218265 5128337	502167	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Aniline	DCB	Lin1	4022 1069015	16961 1813335	53253 2320633	192652 5840723	487410	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethyl)ether	DCB	Ave	14810 830708	43916 1372274	95337 1629538	187305 4027317	421043	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chlorophenol	DCB	Ave	14309 847231	42823 1404542	85792 1747858	182195 4291575	429741	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dichlorobenzene	DCB	Ave	18699 988358	55041 1640958	112277 2065314	228160 4932957	508019	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,3-Dichlorobenzene	DCB	Ave	19380 1015562	58710 1704169	119008 2131879	238056 5057026	522961	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzyl alcohol	DCB	Lin1	3209 665373	16084 1117871	39121 1368875	116045 3543768	306136	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Dichlorobenzene	DCB	Ave	19330 948623	52890 1570075	105140 1962613	214081 4740531	482589	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylphenol	DCB	Ave	13480 792306	40021 1310056	81488 1678386	172130 4195430	388958	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.: 360-24327-2 Analy Batch No.: 49097

SDG No.: OCRI-07A

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

Calibration Start Date: 09/17/2009 13:00 Calibration End Date: 09/17/2009 17:32 Calibration ID: 4606

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	27666 1445408	81429 2423036	163396 2965280	336688 6706808	757236	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Qua	+++++ 85421	+++++ 209193	2611 287354	13596 969497	36557	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin1	+++++ 221000	+++++ 393345	14933 488521	40426 1295031	102703	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
3 & 4 Methylphenol	DCB	Ave	12237 795671	37679 1328716	80950 1644733	167128 4167441	393297	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	9807 562339	26909 966076	57774 1205223	122681 3070492	293217	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acetophenone	DCB	Ave	19585 1130063	59733 1902902	124224 2345450	249237 5730694	579899	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	6519 352729	17858 591827	38780 752201	76114 1881202	180795	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene	NPT	Ave	14777 905965	46063 1501897	96433 1865488	201060 4542361	460162	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4,6-Dinitro-2-methylphenol	PHN	Qua	+++++ 136588	+++++ 324927	8509 434618	25430 1365413	68038	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Isophorone	NPT	Ave	22528 1529257	67761 2568103	153425 3133256	328091 7373131	779188	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Ave	10700 744108	37127 1131082	68811 1372933	137052 3724951	325410	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitrophenol	NPT	Ave	5691 432196	19599 776340	44363 966445	97375 2569118	231771	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Lin	+++++ 1036174	+++++ 2037106	+++++ 2350353	20704 7354642	234491	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	15962 889713	47747 1496397	96882 1818856	201121 4512549	453365	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dichlorophenol	NPT	Ave	9417 672721	32712 1116628	62606 1393311	134834 3509565	334589	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Ave	14281 762120	41666 1270766	85117 1563071	174894 3877263	398892	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachlorophenol	PHN	Qua	+++++ 175400	+++++ 354446	12025 445687	30509 1352936	82480	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Ave	10896 720485	34300 1211688	66626 1529312	146868 3734558	352246	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Lin	51018 2593337	140063 4290666	288540 5158729	597307 9906893	1324484	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloroaniline	NPT	Lin1	14617 1283134	30872 2186641	106821 2648983	246918 5630761	590776	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobutadiene	NPT	Ave	6545 385669	19347 655922	42874 824926	86659 2036900	196620	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.: 360-24327-2 Analy Batch No.: 49097

SDG No.: OCRI-07A

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

Calibration Start Date: 09/17/2009 13:00 Calibration End Date: 09/17/2009 17:32 Calibration ID: 4606

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
Caprolactam	NPT	Ave	6780 381887	14864 643437	30560 783771	75535 1858961	185761	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloro-3-methylphenol	NPT	Ave	8676 677540	30980 1142519	53168 1403034	133867 3635104	334289	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Ave	31035 1619315	87503 2680811	181311 3294345	367948 7241656	826810	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1-Methylnaphthalene	NPT	Ave	31138 1611996	88566 2725061	177249 3347822	371513 7245460	843686	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorocyclopentadiene	ANT	Lin2	2999 225557	9632 392629	21460 476123	44166 1236942	108969	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	12656 667455	36218 1130283	72875 1410820	155516 3435467	341135	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Trichlorophenol	ANT	Ave	6510 439963	20037 744567	42050 919004	92629 2412161	212841	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Ave	6706 469479	20781 789247	38943 940790	96353 2543867	237189	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	37338 1997946	111126 3336570	221896 4050621	461676 8182861	1026371	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	36628 1817528	99131 3050213	204410 3682172	418088 8582089	991178	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	20686 1111380	59671 1912520	118880 2367832	245769 5352705	561581	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitroaniline	ANT	Lin2	6543 522988	21378 899656	47891 1099549	111161 2836739	265273	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	31956 1735315	93876 2915514	193694 3584012	395120 8262196	899931	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Ave	5790 414505	18507 710031	40801 858991	89879 2266608	211418	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	38355 2372380	117700 3928950	249216 4724854	540723 9229139	1239277	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Lin1	3856 379977	13068 661794	32465 807274	74921 2157057	184936	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	29124 1611902	88913 2746360	176095 3380739	375229 7312683	831757	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	5362 501115	18090 883581	44707 1080736	107911 2915403	255511	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	37709 2073578	115331 3454006	230270 4192421	489145 8564519	1088756	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	4067 326425	14484 574385	28088 698399	67676 1934294	168793	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	36088 1744628	95867 2921961	190852 3548316	396769 7784173	912703	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.: 360-24327-2 Analy Batch No.: 49097

SDG No.: OCRI-07A

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

Calibration Start Date: 09/17/2009 13:00 Calibration End Date: 09/17/2009 17:32 Calibration ID: 4606

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chlorophenyl phenyl ether	ANT	Ave	14859 777950	42940 1316936	83118 1631429	175844 4100005	396952	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Lin	4757 382588	13387 745351	30266 915865	81560 2528536	194709	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluorene	ANT	Ave	30435 1779435	94067 3067181	184824 3731027	403285 7894654	910631	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	25724 1482445	76743 2526692	155181 3095736	332047 7093378	771472	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	25724 1482445	76743 2526692	155181 3095736	332047 7093378	771472	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	43606 2811292	132678 4735656	284281 5695664	631900 11964451	1433085	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	43606 2811292	132678 4735656	284281 5695664	631900 11964451	1433085	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzophenone	PHN	Ave	27323 1702028	85308 2915349	175941 3575951	385989 8312039	870429	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	6718 404077	20814 690337	42752 861515	92283 2223997	206935	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Ave	5816 431385	20471 752036	44387 913074	97304 2216910	219470	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	7111 373760	19276 645177	38999 793463	85037 2103424	191406	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin1	2284 171380	7200 312197	15334 375899	37269 1027192	88783	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	47073 2318849	127638 3921698	255794 4673648	555673 9544168	1214842	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	37926 2266997	109657 3875499	232182 4620896	532898 9381382	1183352	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	33268 1614340	97376 2983987	193583 3670272	425825 8845135	900054	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Ave	68652 2781828	148983 4624271	292895 5549485	648675 10060820	1457333	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	37455 2139411	105704 3703110	218682 4397777	492059 10327408	1100287	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	37197 2274063	112824 3966146	228565 4707041	524856 11251601	1160447	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Ave	14897 1097753	41260 1980609	94397 2366980	230558 6241614	553610	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Ave	24794 1617761	60555 2837194	129851 3432781	331702 8140766	797585	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	6090 932883	26444 1865893	70654 2327344	202676 6390154	473555	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.: 360-24327-2 Analy Batch No.: 49097

SDG No.: OCRI-07A

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

Calibration Start Date: 09/17/2009 13:00 Calibration End Date: 09/17/2009 17:32 Calibration ID: 4606

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	22701 1509247	67401 2698897	144838 3206588	348958 8378518	763930	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Chrysene	CRY	Ave	23886 1424597	70642 2537600	145907 3050175	336931 7926184	710517	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Lin1	21852 2467313	71382 4433894	170944 5233237	473949 11731014	1186359	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Ave	19844 1329099	56841 2226902	125283 2679462	299029 6549683	631724	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Ave	17154 1204852	55922 2179671	114266 2479062	271010 6177453	588789	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Lin1	12485 1008520	34036 1749996	83230 2013851	214175 4844240	463227	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	9253 753837	24855 1286487	53376 1319843	160234 3208430	321335	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Lin1	7119 604123	18252 1013729	40867 1057755	124355 2638817	254362	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	10426 647511	24194 1050341	57724 1066219	147072 2472232	279465	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	13315 786449	39551 1319197	86660 1634151	179499 4055637	403912	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol-d5	DCB	Ave	15906 955010	48314 1603683	99435 2014483	205510 5000460	477036	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene-d5	NPT	Ave	15471 923674	45230 1553989	99402 1944833	205541 4610481	472541	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorobiphenyl	ANT	Ave	35228 1793554	99706 3029265	198961 3744672	412313 7778767	938595	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	1498 146689	6062 256395	13366 311692	29511 884632	73599	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	22783 1323642	66184 2318686	137202 2789817	306406 7325256	675272	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

Curve Type Legend:

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10361.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	17-Sep-2009 13:00:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	std5		
Misc. Info.:	360-0001207-002		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	2
Lims Batch ID:	49097	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\8270B.m		
Last Update:	18-Sep-2009 12:37:28	Calib Date:	17-Sep-2009 13:00:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10361.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 18-Sep-2009 12:37:28

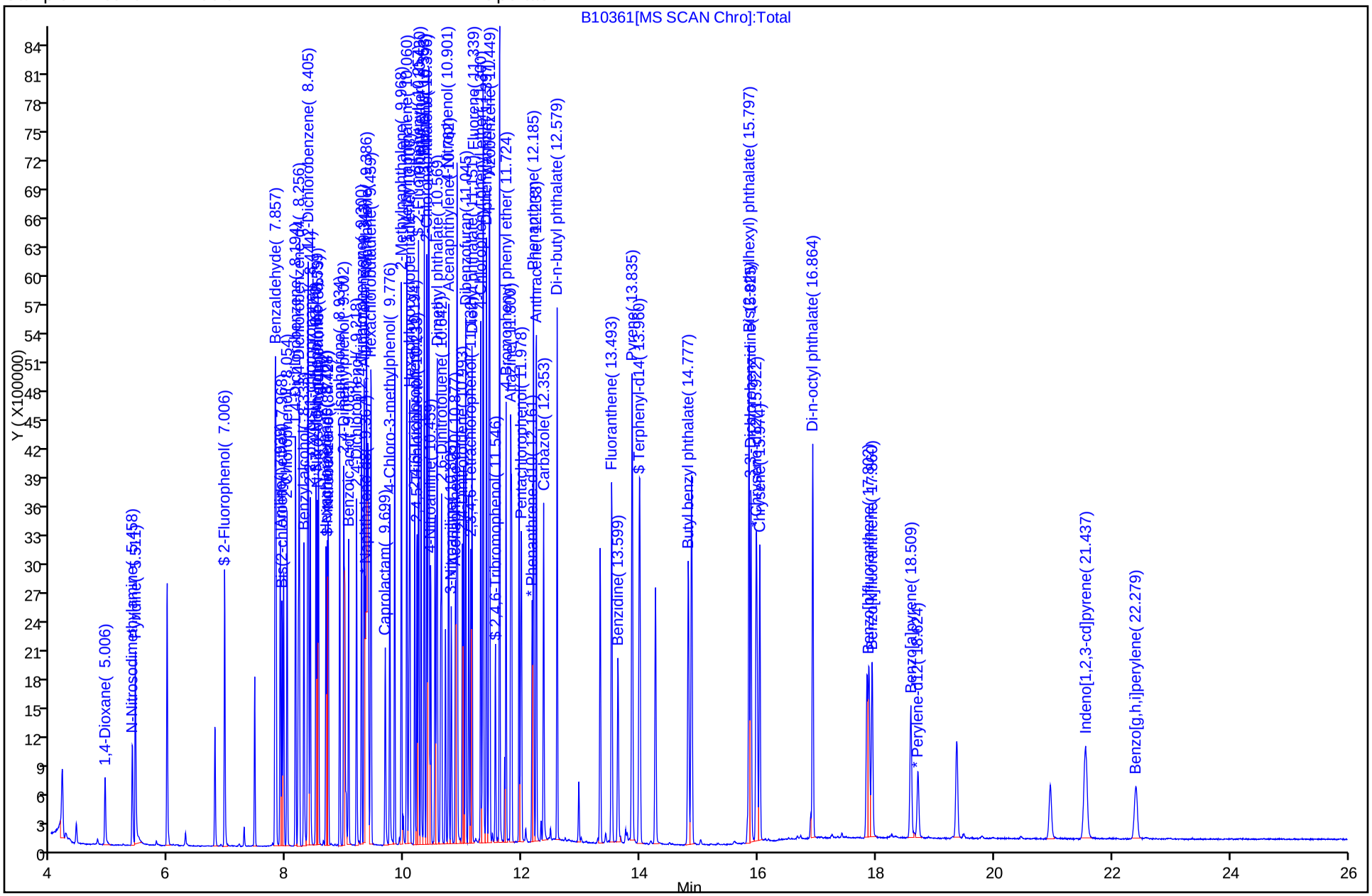
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.242	8.242	0.000	611719	2.00	
* 2 Naphthalene-d8	136	9.367	9.367	0.000	1332454	2.00	
* 3 Acenaphthene-d10	164	10.877	10.877	0.000	584998	2.00	
* 4 Phenanthrene-d10	188	12.161	12.161	0.000	969980	2.00	
* 5 Chrysene-d12	240	15.936	15.936	0.000	723689	2.00	
* 6 Perylene-d12	264	18.629	18.629	0.000	497237	2.00	
$ 7 2-Fluorophenol	112	7.006	7.006	0.000	786449	5.00	
$ 8 Phenol-d5	99	7.857	7.857	0.000	955010	5.00	
$ 9 Nitrobenzene-d5	82	8.728	8.728	0.000	923674	5.00	
$ 10 2-Fluorobiphenyl	172	10.257	10.257	0.000	1793554	5.00	
$ 11 2,4,6-Tribromophenol	330	11.546	11.546	0.000	146689	5.00	
$ 12 Terphenyl-d14	244	13.964	13.964	0.000	1323642	5.00	
14 1,4-Dioxane	88	5.001	5.001	0.000	315280	5.00	
16 Pyridine	79	5.511	5.511	0.000	778726	5.00	
15 N-Nitrosodimethylamine	42	5.458	5.458	0.000	549573	5.00	
17 Benzaldehyde	105	7.852	7.852	0.000	363536	5.00	
18 Phenol	94	7.867	7.867	0.000	993963	5.00	
19 Aniline	93	7.939	7.939	0.000	1069015	5.00	
20 Bis(2-chloroethyl)ether	93	7.968	7.968	0.000	830708	5.00	
21 2-Chlorophenol	128	8.054	8.054	0.000	847231	5.00	
22 1,4-Dichlorobenzene	146	8.194	8.194	0.000	988358	5.00	
23 1,3-Dichlorobenzene	146	8.256	8.256	0.000	1015562	5.00	
24 Benzyl alcohol	79	8.333	8.333	0.000	665373	5.00	
25 1,2-Dichlorobenzene	146	8.401	8.401	0.000	948623	5.00	
26 2-Methylphenol	108	8.410	8.410	0.000	792306	5.00	
27 2,2'-oxybis[1-chloropropane]	45	8.439	8.439	0.000	1445408	5.00	
28 3 & 4 Methylphenol	108	8.540	8.540	0.000	795671	5.00	
29 N-Nitrosodi-n-propylamine	70	8.559	8.559	0.000	562339	5.00	
30 Acetophenone	105	8.579	8.579	0.000	1130063	5.00	
31 Hexachloroethane	117	8.704	8.704	0.000	352729	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.742	8.742	0.000	905965	5.00	
33 Isophorone	82	8.934	8.934	0.000	1529257	5.00	
35 2,4-Dimethylphenol	107	9.002	9.002	0.000	744108	5.00	
34 2-Nitrophenol	139	9.021	9.021	0.000	432196	5.00	
36 Benzoic acid	105	9.045	9.045	0.000	142764	5.00	
37 Bis(2-chloroethoxy)methane	93	9.083	9.083	0.000	889713	5.00	
38 2,4-Dichlorophenol	162	9.218	9.218	0.000	672721	5.00	
39 1,2,4-Trichlorobenzene	180	9.300	9.300	0.000	762120	5.00	
40 Alpha-Terpineol	59	9.343	9.343	0.000	720485	5.00	
41 Naphthalene	128	9.386	9.386	0.000	2593337	5.00	
42 4-Chloroaniline	127	9.401	9.401	0.000	1283134	5.00	
43 Hexachlorobutadiene	225	9.463	9.463	0.000	385669	5.00	
44 Caprolactam	55	9.699	9.699	0.000	381887	5.00	
45 4-Chloro-3-methylphenol	107	9.776	9.776	0.000	677540	5.00	
46 2-Methylnaphthalene	142	9.968	9.968	0.000	1619315	5.00	
47 1-Methylnaphthalene	142	10.060	10.060	0.000	1611996	5.00	
48 Hexachlorocyclopentadiene	237	10.098	10.098	0.000	225557	5.00	
49 1,2,4,5-Tetrachlorobenzene	216	10.113	10.113	0.000	667455	5.00	
50 2,4,6-Trichlorophenol	196	10.194	10.194	0.000	439963	5.00	
51 2,4,5-Trichlorophenol	196	10.233	10.233	0.000	469479	5.00	
52 1,1'-Biphenyl	154	10.353	10.353	0.000	1997946	5.00	
53 2-Chloronaphthalene	162	10.396	10.396	0.000	1817528	5.00	
54 Phenyl ether	170	10.435	10.435	0.000	1111380	5.00	
68 4-Nitroaniline	138	10.459	10.459	0.000	522988	5.00	
56 Dimethyl phthalate	163	10.569	10.569	0.000	1735315	5.00	
57 2,6-Dinitrotoluene	165	10.642	10.642	0.000	414505	5.00	
58 Acenaphthylene	152	10.762	10.762	0.000	2372380	5.00	
59 3-Nitroaniline	138	10.805	10.805	0.000	379977	5.00	
60 2,4-Dinitrophenol	184	10.887	10.887	0.000	85421	5.00	
62 4-Nitrophenol	109	10.896	10.896	0.000	221000	5.00	
61 Acenaphthene	153	10.906	10.906	0.000	1611902	5.00	
63 2,4-Dinitrotoluene	165	10.993	10.993	0.000	501115	5.00	
64 Dibenzofuran	168	11.045	11.045	0.000	2073578	5.00	
65 2,3,4,6-Tetrachlorophenol	232	11.137	11.137	0.000	326425	5.00	
66 Diethyl phthalate	149	11.151	11.151	0.000	1744628	5.00	
67 4-Chlorophenyl phenyl ether	204	11.300	11.300	0.000	777950	5.00	
55 2-Nitroaniline	65	11.334	11.334	0.000	382588	5.00	
69 Fluorene	166	11.339	11.339	0.000	1779435	5.00	
70 4,6-Dinitro-2-methylphenol	198	11.344	11.344	0.000	136588	5.00	
71 Diphenylamine	169	11.397	11.397	0.000	1482445	5.00	
72 N-Nitrosodiphenylamine	169	11.397	11.397	0.000	1482445	5.00	
73 1,2-Diphenylhydrazine	77	11.440	11.440	0.000	2811292	5.00	
74 Azobenzene	77	11.440	11.440	0.000	2811292	5.00	
13 Benzophenone	105	11.449	11.449	0.000	1702028	5.00	
75 4-Bromophenyl phenyl ether	248	11.724	11.724	0.000	404077	5.00	
77 Atrazine	200	11.800	11.800	0.000	431385	5.00	
76 Hexachlorobenzene	284	11.820	11.820	0.000	373760	5.00	
78 Pentachlorophenol	266	11.969	11.969	0.000	175400	5.00	
79 Pentachloronitrobenzene	237	11.983	11.983	0.000	171380	5.00	
80 Phenanthrene	178	12.185	12.185	0.000	2318849	5.00	
81 Anthracene	178	12.233	12.233	0.000	2266997	5.00	
83 Carbazole	167	12.353	12.353	0.000	1614340	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.579	12.579	0.000	2781828	5.00	
85 Pyrene	202	13.839	13.839	0.000	2274063	5.00	
86 Benzidine	184	13.599	13.599	0.000	1036174	5.00	
87 Fluoranthene	202	13.493	13.493	0.000	2139411	5.00	
89 Butyl benzyl phthalate	149	14.777	14.777	0.000	1097753	5.00	
92 Bis(2-ethylhexyl) phthalate	149	15.797	15.797	0.000	1617761	5.00	
91 3,3'-Dichlorobenzidine	252	15.830	15.830	0.000	932883	5.00	
93 Benzo[a]anthracene	228	15.917	15.917	0.000	1509247	5.00	
94 Chrysene	228	15.974	15.974	0.000	1424597	5.00	
95 Di-n-octyl phthalate	149	16.864	16.864	0.000	2467313	5.00	
97 Benzo[b]fluoranthene	252	17.807	17.807	0.000	1329099	5.00	
98 Benzo[k]fluoranthene	252	17.860	17.860	0.000	1204852	5.00	
99 Benzo[a]pyrene	252	18.509	18.509	0.000	1008520	5.00	
100 Indeno[1,2,3-cd]pyrene	276	21.428	21.428	0.000	753837	5.00	
101 Dibenz(a,h)anthracene	278	21.452	21.452	0.000	604123	5.00	
102 Benzo[g,h,i]perylene	276	22.279	22.279	0.000	647511	5.00	

Report Date: 18-Sep-2009 12:37:29 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10361.D		
Inj Date:	17-Sep-2009 13:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	2
Client ID:		Instrument:	Inst. B
Sample Info:	std5		
Sample Amount:	2.00 uL	Operator:	MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10362.D		
Lims ID:	STD01	Client ID:	
Inject. Date:	17-Sep-2009 13:34:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	std01		
Misc. Info.:	360-0001207-003		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	3
Lims Batch ID:	49097	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\8270B.m		
Last Update:	18-Sep-2009 12:40:11	Calib Date:	17-Sep-2009 13:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10362.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 18-Sep-2009 12:40:11

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.242	8.242	0.000	467197	2.00	
* 2 Naphthalene-d8	136	9.362	9.367	-0.005	1123817	2.00	
* 3 Acenaphthene-d10	164	10.872	10.877	-0.005	538320	2.00	
* 4 Phenanthrene-d10	188	12.161	12.161	0.000	872662	2.00	
* 5 Chrysene-d12	240	15.931	15.936	-0.005	554524	2.00	
* 6 Perylene-d12	264	18.624	18.629	-0.005	377758	2.00	
$ 7 2-Fluorophenol	112	7.011	7.006	0.005	13315	0.1051	
$ 8 Phenol-d5	99	7.852	7.857	-0.005	15906	0.1043	
$ 9 Nitrobenzene-d5	82	8.727	8.728	-0.001	15471	0.0996	
$ 10 2-Fluorobiphenyl	172	10.257	10.257	0.000	35228	0.1033	
$ 11 2,4,6-Tribromophenol	330	11.541	11.546	-0.005	1498	0.1000	
$ 12 Terphenyl-d14	244	13.959	13.964	-0.005	22783	0.1058	
14 1,4-Dioxane	88	5.015	5.001	0.014	11117	0.1000	
15 N-Nitrosodimethylamine	42	5.472	5.458	0.014	11399	0.1000	
17 Benzaldehyde	105	7.857	7.852	0.005	8155	0.1000	
18 Phenol	94	7.867	7.867	0.000	18288	0.1093	
19 Aniline	93	7.944	7.939	0.005	4022	0.1000	
20 Bis(2-chloroethyl)ether	93	7.968	7.968	0.000	14810	0.1077	
21 2-Chlorophenol	128	8.054	8.054	0.000	14309	0.1050	
22 1,4-Dichlorobenzene	146	8.194	8.194	0.000	18699	0.1107	
23 1,3-Dichlorobenzene	146	8.261	8.256	0.005	19380	0.1000	
24 Benzyl alcohol	79	8.338	8.333	0.005	3209	0.1000	
25 1,2-Dichlorobenzene	146	8.400	8.401	-0.001	19330	0.1000	
26 2-Methylphenol	108	8.410	8.410	0.000	13480	0.1054	
27 2,2'-oxybis[1-chloropropane]	45	8.439	8.439	0.000	27666	0.1000	
28 3 & 4 Methylphenol	108	8.535	8.540	-0.005	12237	0.1003	
29 N-Nitrosodi-n-propylamine	70	8.554	8.559	-0.005	9807	0.1066	
30 Acetophenone	105	8.583	8.579	0.004	19585	0.1063	
31 Hexachloroethane	117	8.703	8.704	-0.001	6519	0.1095	
32 Nitrobenzene	77	8.747	8.742	0.005	14777	0.0983	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	8.934	8.934	0.000	22528	0.0932	
35 2,4-Dimethylphenol	107	9.002	9.002	0.000	10700	0.0920	
34 2-Nitrophenol	139	9.021	9.021	0.000	5691	0.1000	
37 Bis(2-chloroethoxy)methane	93	9.083	9.083	0.000	15962	0.1031	
38 2,4-Dichlorophenol	162	9.218	9.218	0.000	9417	0.0907	
39 1,2,4-Trichlorobenzene	180	9.300	9.300	0.000	14281	0.1053	
40 Alpha-Terpineol	59	9.343	9.343	0.000	10896	0.0945	
41 Naphthalene	128	9.381	9.386	-0.005	51018	0.1077	
42 4-Chloroaniline	127	9.381	9.381	0.000	14617	0.1000	M
43 Hexachlorobutadiene	225	9.463	9.463	0.000	6545	0.1003	
44 Caprolactam	55	9.694	9.699	-0.005	6780	0.1026	
45 4-Chloro-3-methylphenol	107	9.771	9.776	-0.005	8676	0.1000	
46 2-Methylnaphthalene	142	9.968	9.968	0.000	31035	0.1064	
47 1-Methylnaphthalene	142	10.060	10.060	0.000	31138	0.1068	
48 Hexachlorocyclopentadiene	237	10.093	10.098	-0.005	2999	0.1000	
49 1,2,4,5-Tetrachlorobenzene	216	10.112	10.113	-0.001	12656	0.1058	
50 2,4,6-Trichlorophenol	196	10.194	10.194	0.000	6510	0.0891	
51 2,4,5-Trichlorophenol	196	10.233	10.233	0.000	6706	0.1000	
52 1,1'-Biphenyl	154	10.353	10.353	0.000	37338	0.1008	
53 2-Chloronaphthalene	162	10.396	10.396	0.000	36628	0.1045	
54 Phenyl ether	170	10.435	10.435	0.000	20686	0.1049	
68 4-Nitroaniline	138	10.463	10.459	0.004	6543	0.1000	
56 Dimethyl phthalate	163	10.564	10.569	-0.005	31956	0.1000	
57 2,6-Dinitrotoluene	165	10.641	10.642	-0.001	5790	0.1000	
58 Acenaphthylene	152	10.762	10.762	0.000	38355	0.0935	
59 3-Nitroaniline	138	10.805	10.805	0.000	3856	0.1000	
61 Acenaphthene	153	10.901	10.906	-0.005	29124	0.0991	
63 2,4-Dinitrotoluene	165	10.992	10.993	-0.001	5362	0.1000	
64 Dibenzofuran	168	11.045	11.045	0.000	37709	0.0994	
65 2,3,4,6-Tetrachlorophenol	232	11.137	11.137	0.000	4067	0.1000	
66 Diethyl phthalate	149	11.151	11.151	0.000	36088	0.1058	
67 4-Chlorophenyl phenyl ether	204	11.300	11.300	0.000	14859	0.1019	
55 2-Nitroaniline	65	11.324	11.334	-0.010	4757	0.1000	
69 Fluorene	166	11.339	11.339	0.000	30435	0.0963	
71 Diphenylamine	169	11.392	11.397	-0.004	25724	0.0982	
72 N-Nitrosodiphenylamine	169	11.392	11.397	-0.004	25724	0.0982	
73 1,2-Diphenylhydrazine	77	11.440	11.440	0.000	43606	0.0926	
74 Azobenzene	77	11.440	11.440	0.000	43606	0.0926	
13 Benzophenone	105	11.449	11.449	0.000	27323	0.0943	
75 4-Bromophenyl phenyl ether	248	11.723	11.724	-0.001	6718	0.0960	
77 Atrazine	200	11.800	11.800	0.000	5816	0.1000	
76 Hexachlorobenzene	284	11.815	11.820	-0.005	7111	0.1028	
79 Pentachloronitrobenzene	237	11.983	11.983	0.000	2284	0.1000	
80 Phenanthrene	178	12.180	12.185	-0.005	47073	0.1060	
81 Anthracene	178	12.228	12.233	-0.005	37926	0.0964	
83 Carbazole	167	12.353	12.353	0.000	33268	0.1068	
84 Di-n-butyl phthalate	149	12.579	12.579	0.000	68652	0.1000	
87 Fluoranthene	202	13.493	13.493	0.000	37455	0.0986	
85 Pyrene	202	13.834	13.839	-0.005	37197	0.1033	
89 Butyl benzyl phthalate	149	14.777	14.777	0.000	14897	0.0939	
92 Bis(2-ethylhexyl) phthalate	149	15.796	15.797	-0.001	24794	0.1000	
91 3,3'-Dichlorobenzidine	252	15.820	15.830	-0.010	6090	0.1000	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
93 Benzo[a]anthracene	228	15.917	15.917	0.000	22701	0.0991	
94 Chrysene	228	15.970	15.974	-0.004	23886	0.1045	
95 Di-n-octyl phthalate	149	16.854	16.864	-0.010	21852	0.1000	
97 Benzo[b]fluoranthene	252	17.797	17.807	-0.010	19844	0.0991	
98 Benzo[k]fluoranthene	252	17.850	17.860	-0.010	17154	0.0967	
99 Benzo[a]pyrene	252	18.489	18.489	0.000	12485	0.0898	M
100 Indeno[1,2,3-cd]pyrene	276	21.413	21.413	0.000	9253	0.0894	M
101 Dibenz(a,h)anthracene	278	21.428	21.428	0.000	7119	0.1000	M
102 Benzo[g,h,i]perylene	276	22.269	22.269	0.000	10426	0.1029	M

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Sep-2009 12:40:12 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-1.b\B10362.D

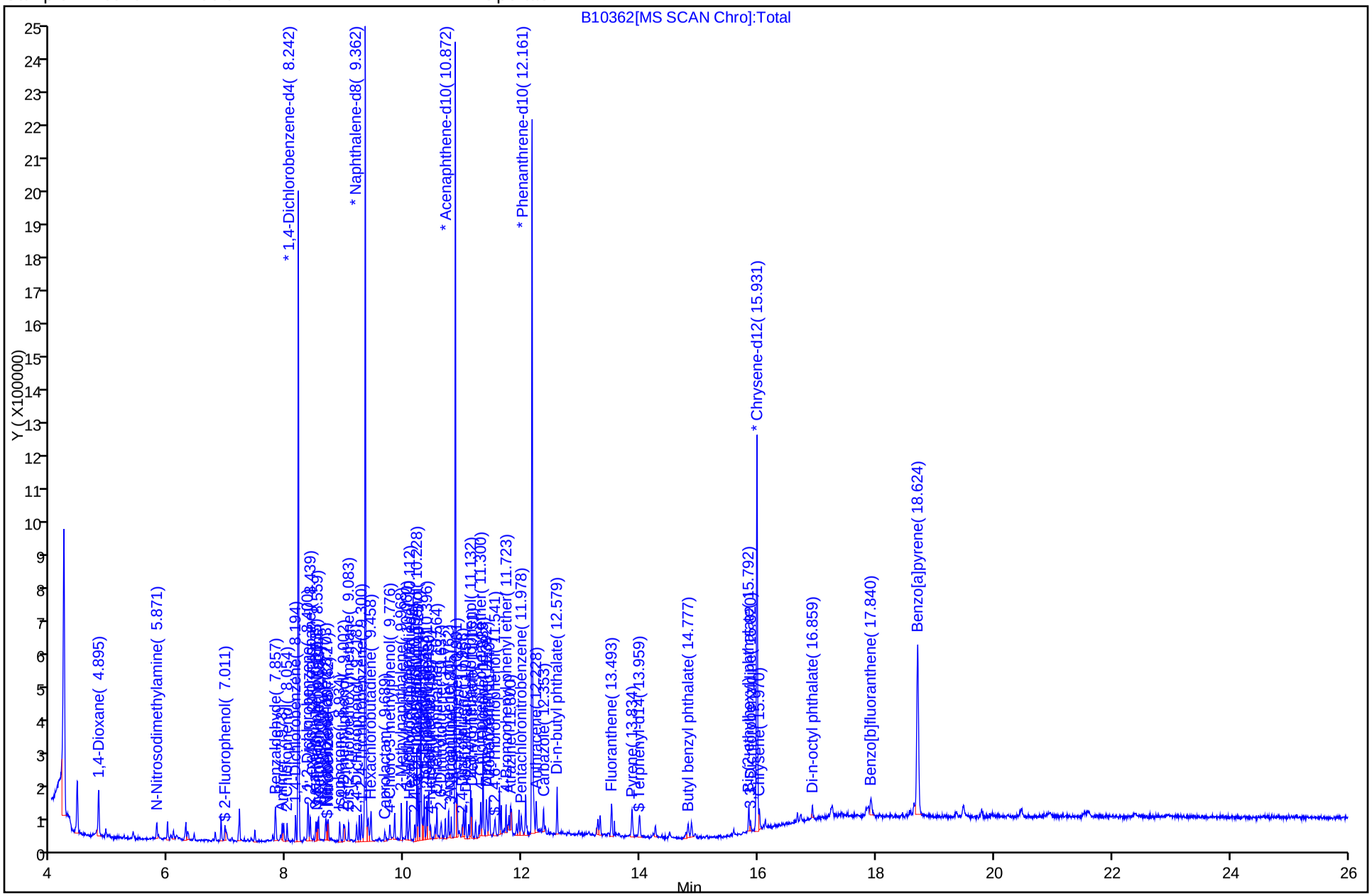
Inj Date: 17-Sep-2009 13:34:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49097 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: std01

Sample Amount: 2.00 uL Operator: MZ



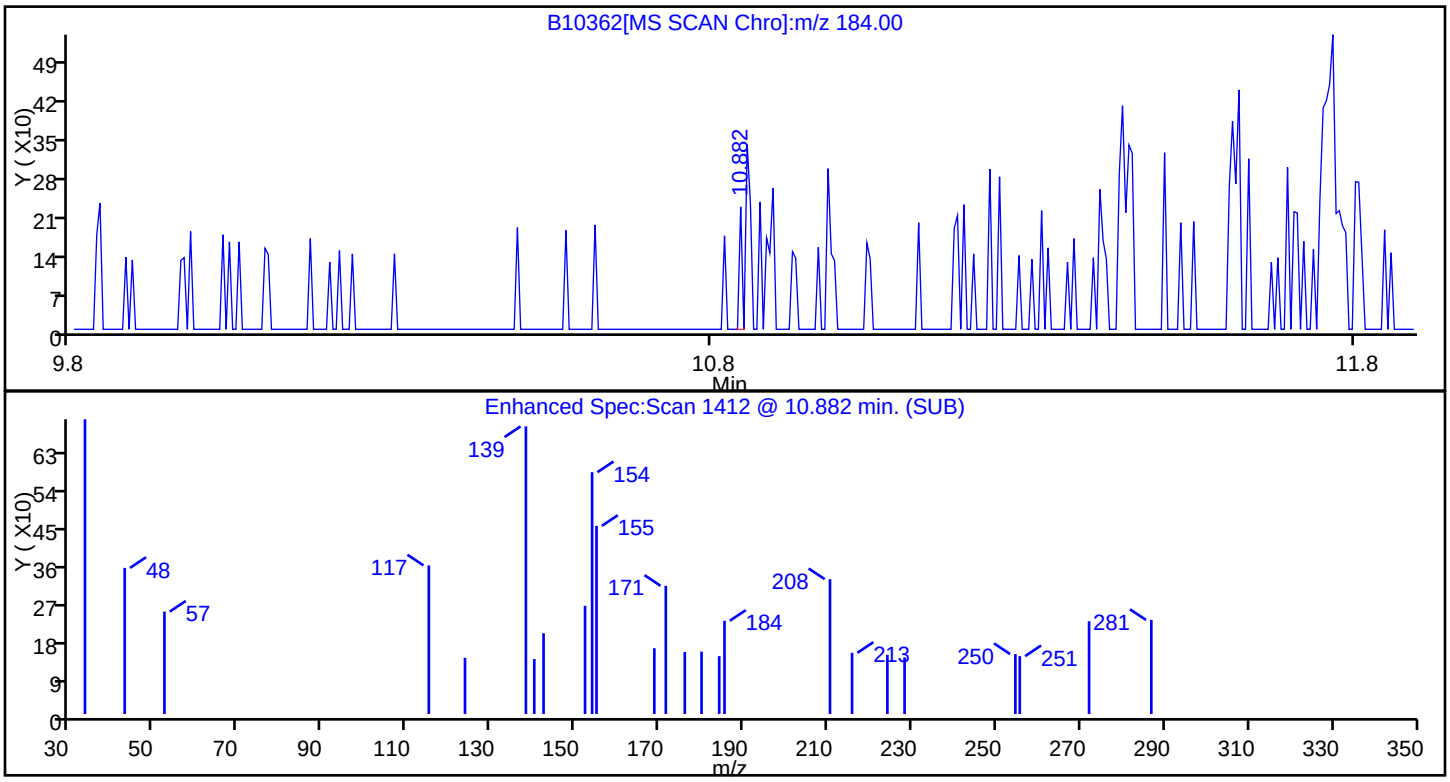
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10362.D		
Inj Date:	17-Sep-2009 13:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.88	184.00	65	0.007941
10.88	63.00	1319	
10.88	154.00	1322	

Reviewer: sullivanp, 18-Sep-2009 12:40:11
Audit Action: Marked Compound Undetected
Audit Reason:

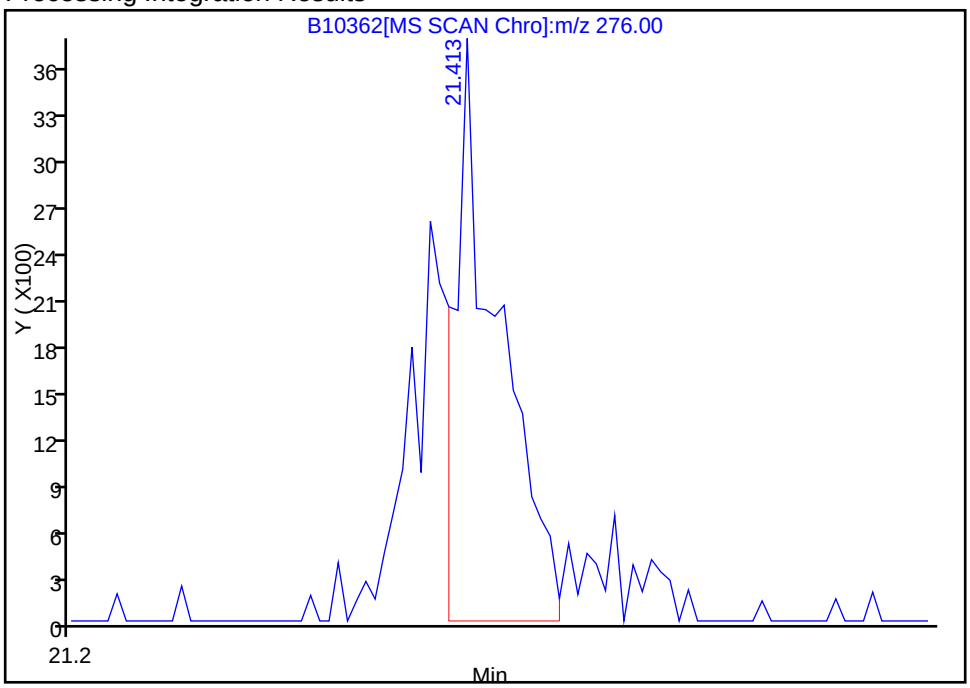
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10362.D		
Inj Date:	17-Sep-2009 13:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

100 Indeno[1,2,3-cd]pyrene, Number: 1, m/z: 276 Type: quant, RT: 21.41

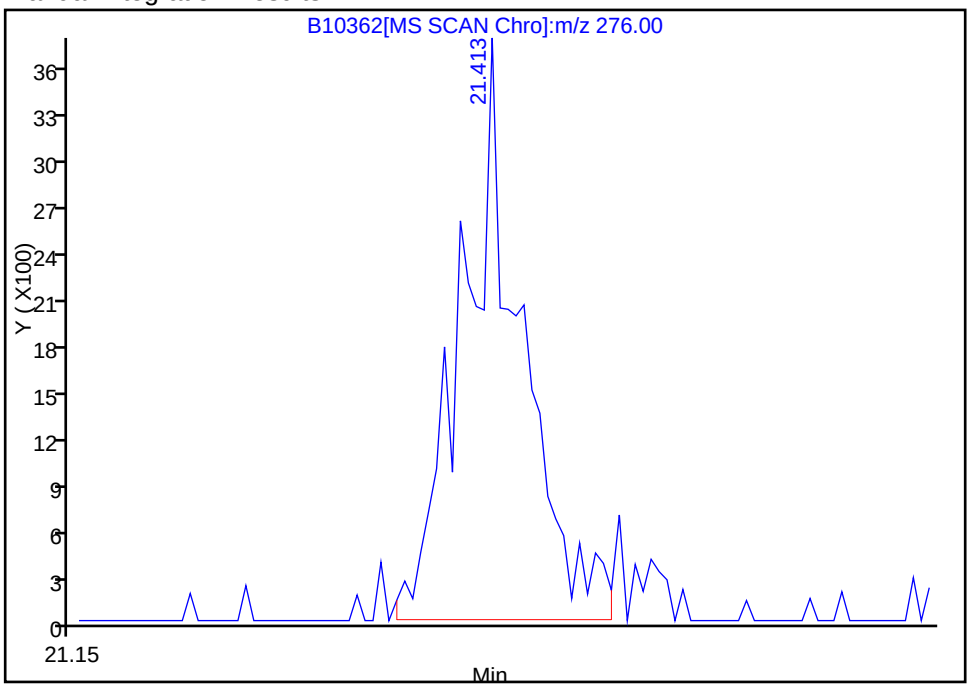
Processing Integration Results

RT: 21.41
Response: 5931
Amount: 0.100000



Manual Integration Results

RT: 21.41
Response: 9253
Amount: 0.089371



Reviewer: sullivanp, 18-Sep-2009 12:40:11
Audit Action: Manually Integrated
Audit Reason: Baseline

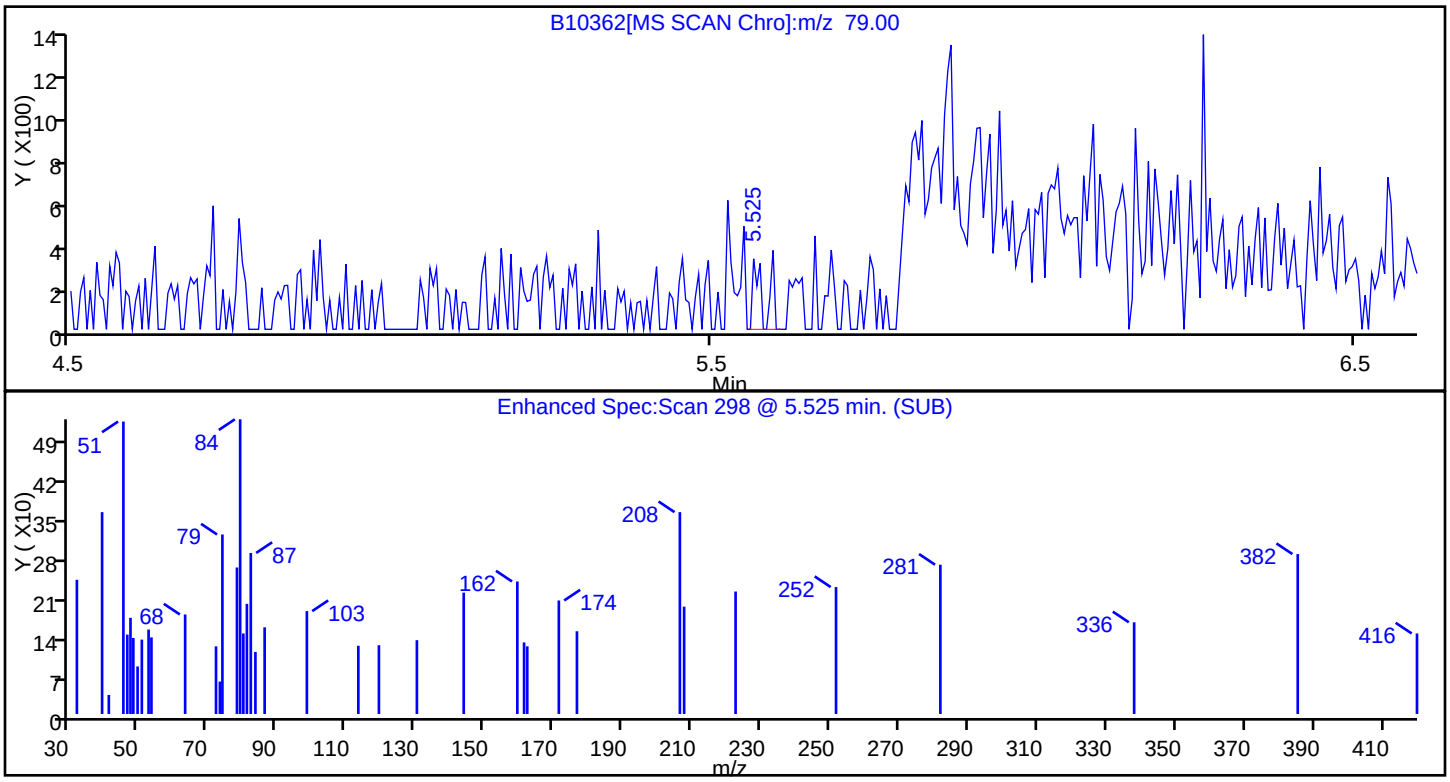
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10362.D		
Inj Date:	17-Sep-2009 13:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

16 Pyridine

Processing Results



RT	Mass	Response	Amount
5.52	79.00	381	0.100000
5.54	52.00	384	
5.51	51.00	2536	

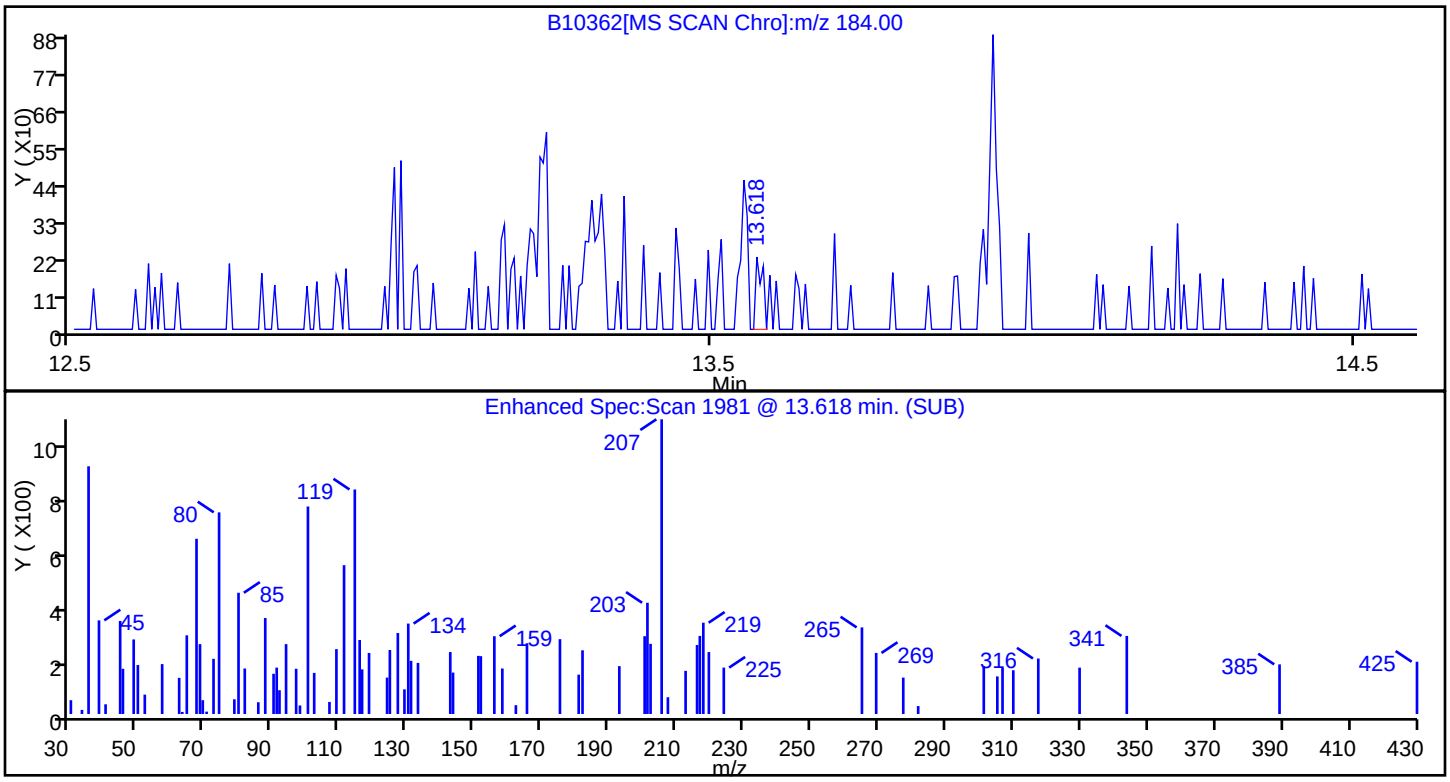
Reviewer: sullivanp, 18-Sep-2009 12:40:11
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10362.D		
Inj Date:	17-Sep-2009 13:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
13.62	184.00	156	0.100000
13.63	92.00	216	
13.60	156.00	99	

Reviewer: sullivanp, 18-Sep-2009 12:40:11
Audit Action: Marked Compound Undetected
Audit Reason:

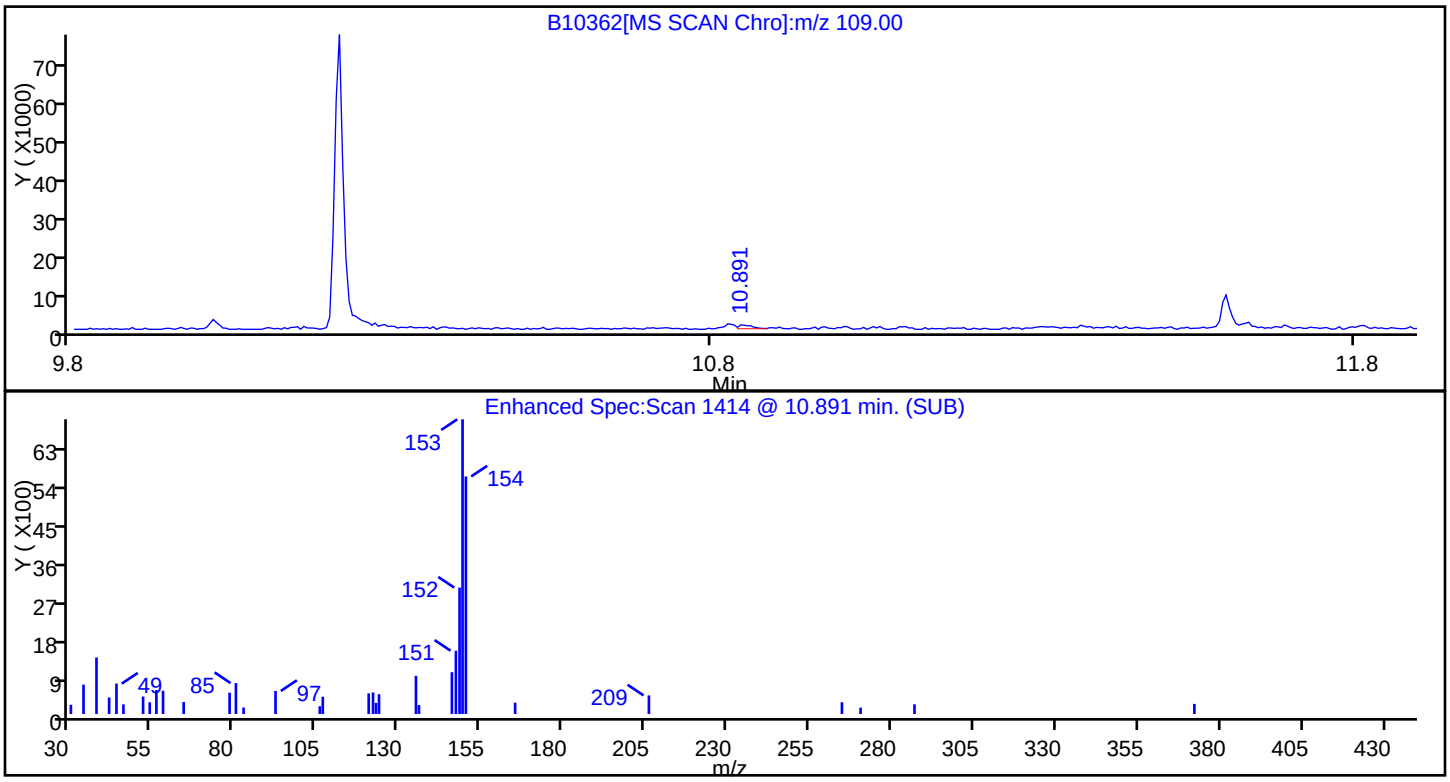
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10362.D		
Inj Date:	17-Sep-2009 13:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
10.89	109.00	1404	0.100000
10.89	139.00	2497	
10.90	64.00	1374	

Reviewer: sullivanp, 18-Sep-2009 12:40:11
Audit Action: Marked Compound Undetected
Audit Reason:

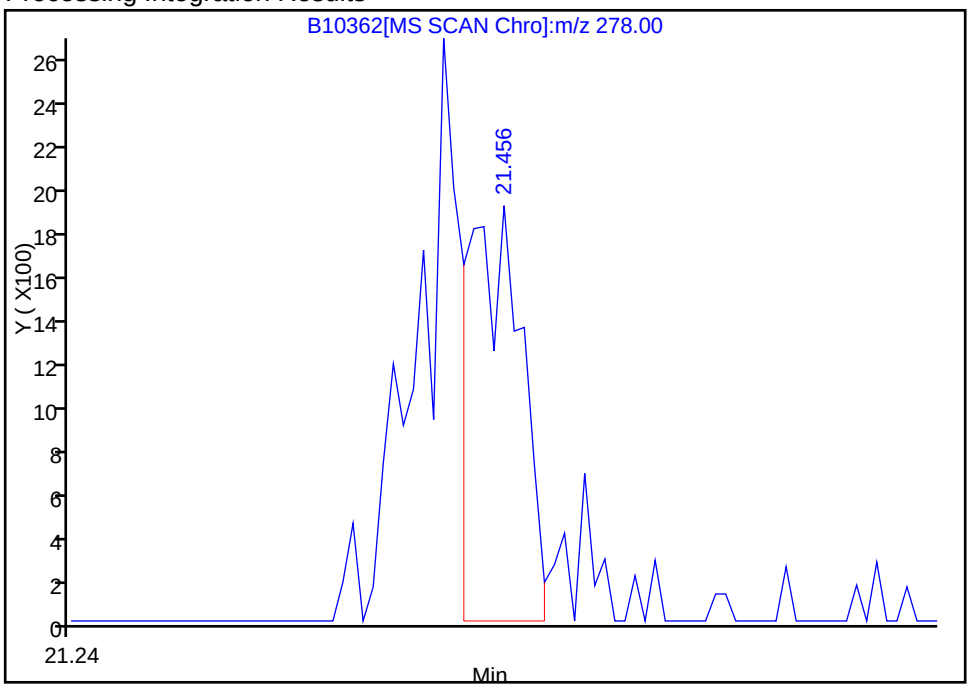
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10362.D		
Inj Date:	17-Sep-2009 13:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

101 Dibenz(a,h)anthracene, Number: 1, m/z: 278 Type: quant, RT: 21.43

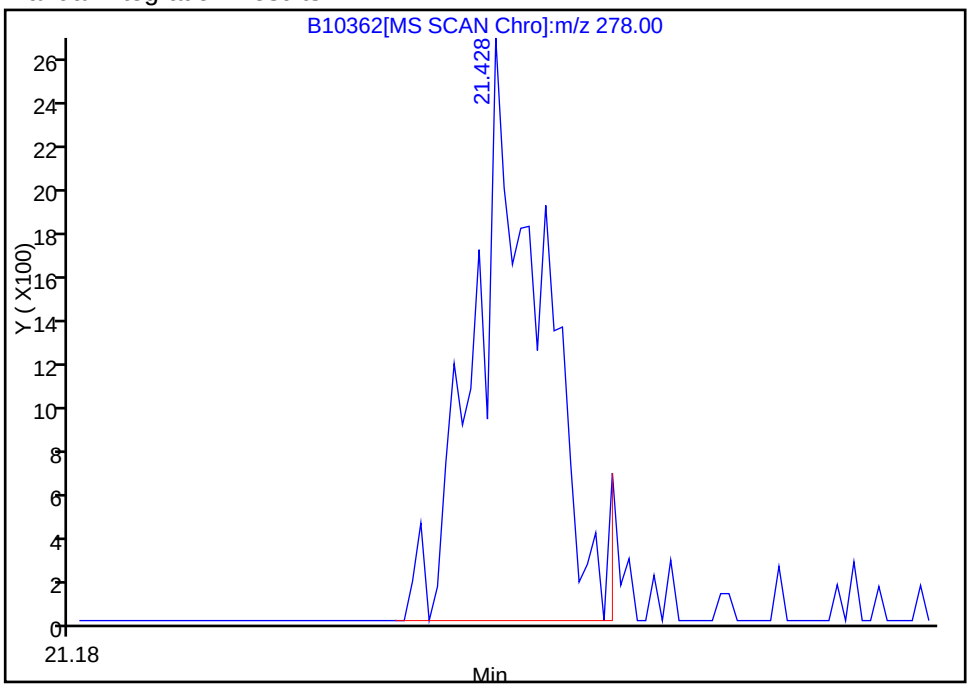
Processing Integration Results

RT: 21.46
Response: 3375
Amount: 0.100000



Manual Integration Results

RT: 21.43
Response: 7119
Amount: 0.100000



Reviewer: sullivanp, 18-Sep-2009 12:40:11
Audit Action: Manually Integrated
Audit Reason: Baseline

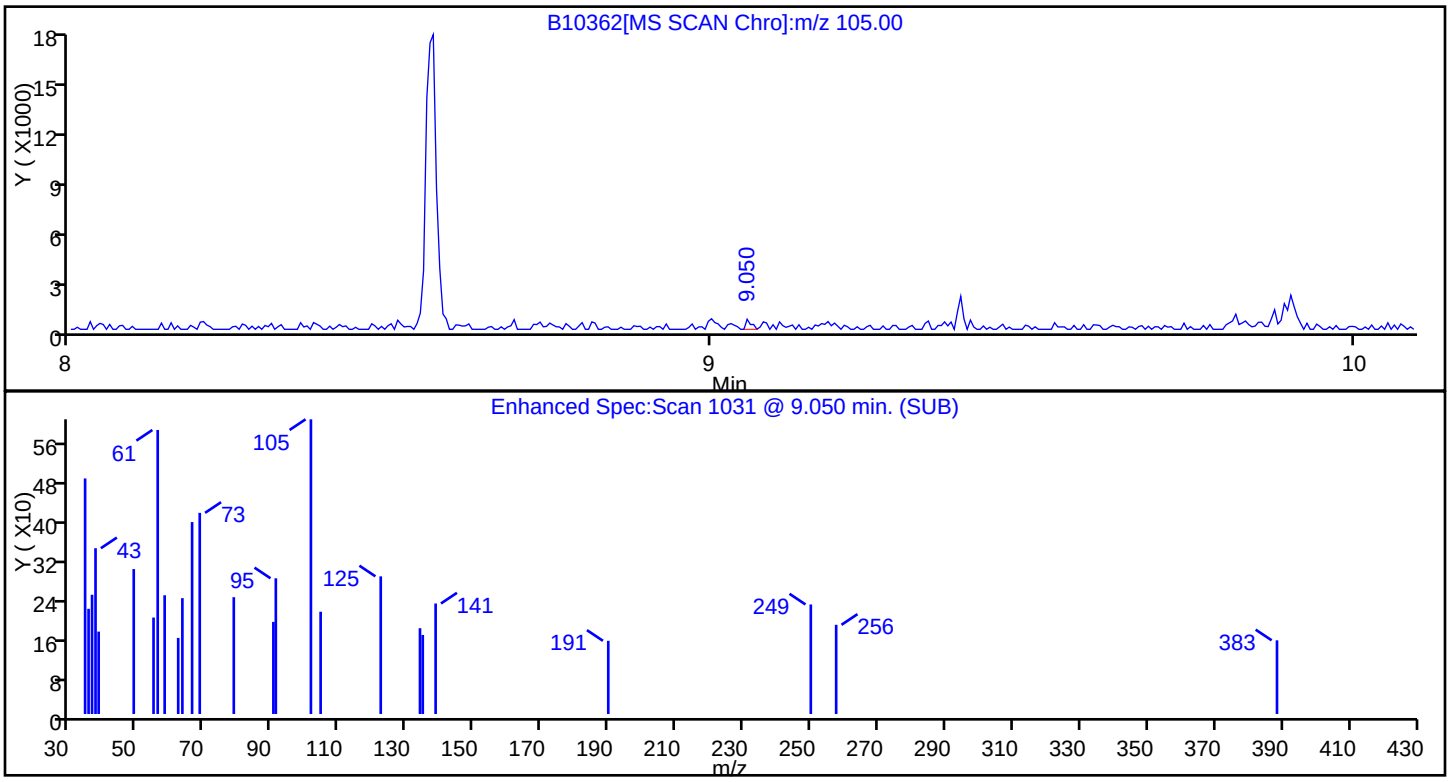
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10362.D		
Inj Date:	17-Sep-2009 13:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
9.05	105.00	343	0.100000
9.06	122.00	421	
9.04	77.00	557	

Reviewer: sullivanp, 18-Sep-2009 12:40:11
Audit Action: Marked Compound Undetected
Audit Reason:

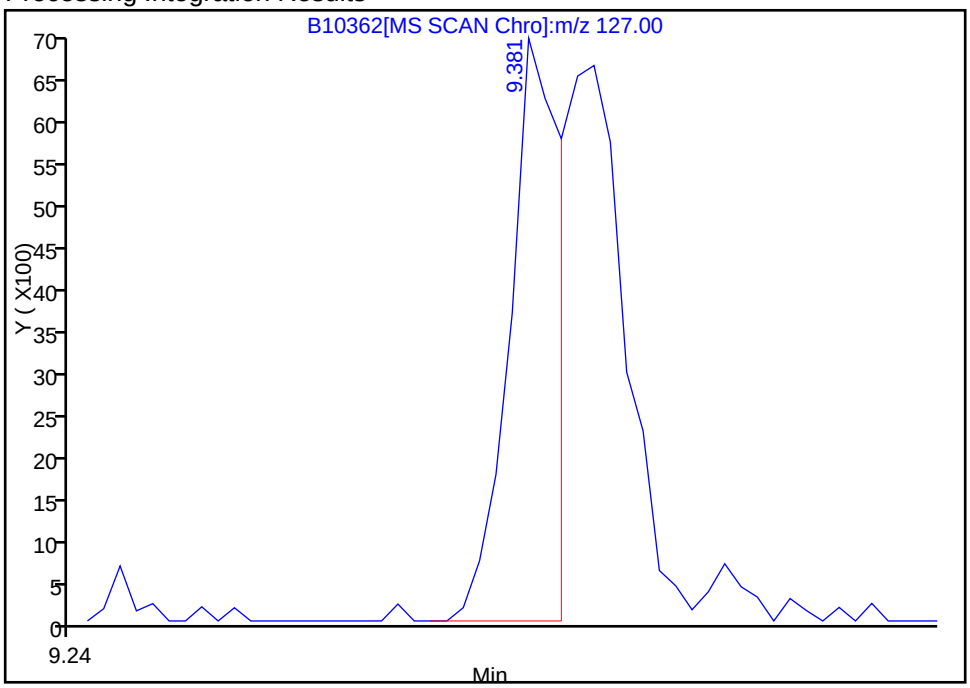
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10362.D		
Inj Date:	17-Sep-2009 13:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

42 4-Chloroaniline, Number: 1, m/z: 127 Type: quant, RT: 9.38

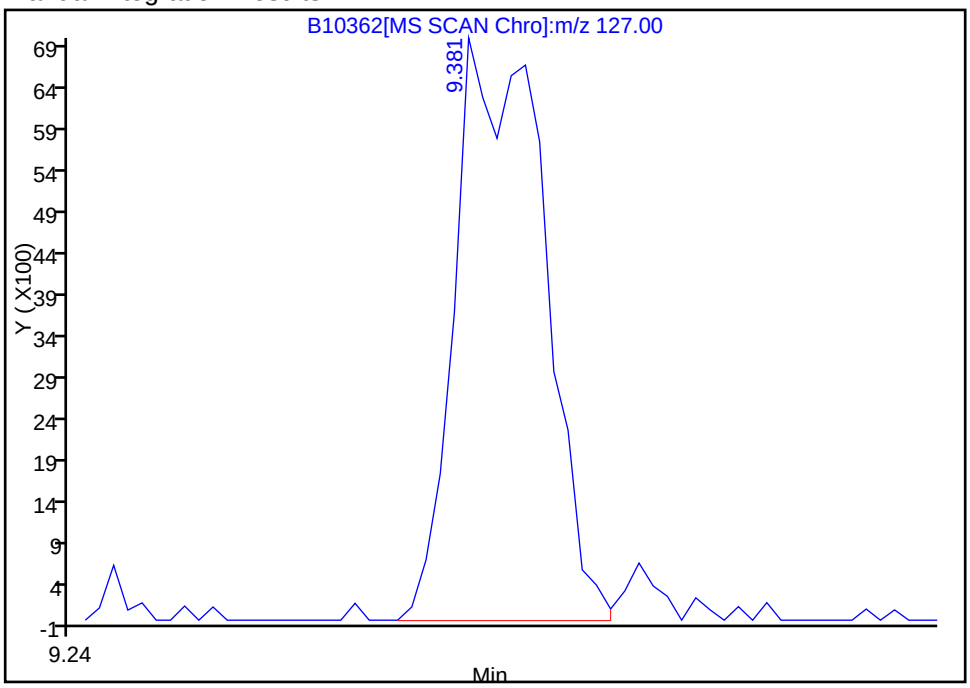
Processing Integration Results

RT: 9.38
Response: 7298
Amount: 0.100000



Manual Integration Results

RT: 9.38
Response: 14617
Amount: 0.100000



Reviewer: sullivanp, 18-Sep-2009 12:40:11
Audit Action: Manually Integrated
Audit Reason: Wrong peak

Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10362.D		
Inj Date:	17-Sep-2009 13:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

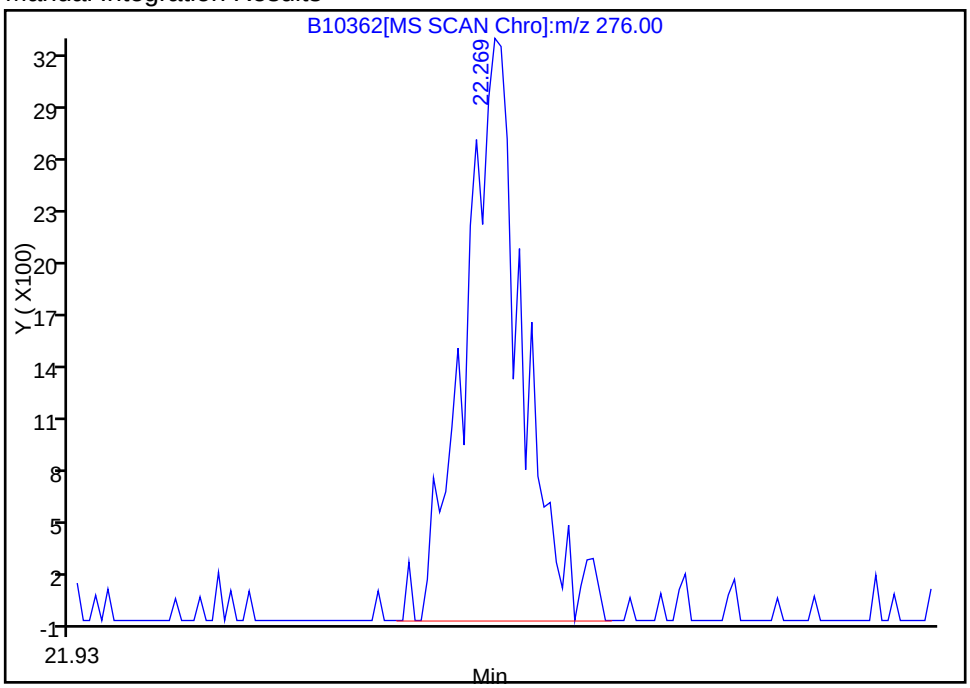
102 Benzo[g,h,i]perylene, Number: 1, m/z: 276 Type: quant, RT: 22.27

Processing Integration Results

Not Detected
Expected RT: 22.27

Manual Integration Results

RT: 22.27
Response: 10426
Amount: 0.102899



Reviewer: sullivanp, 18-Sep-2009 12:40:11
Audit Action: Manually Integrated
Audit Reason: Baseline

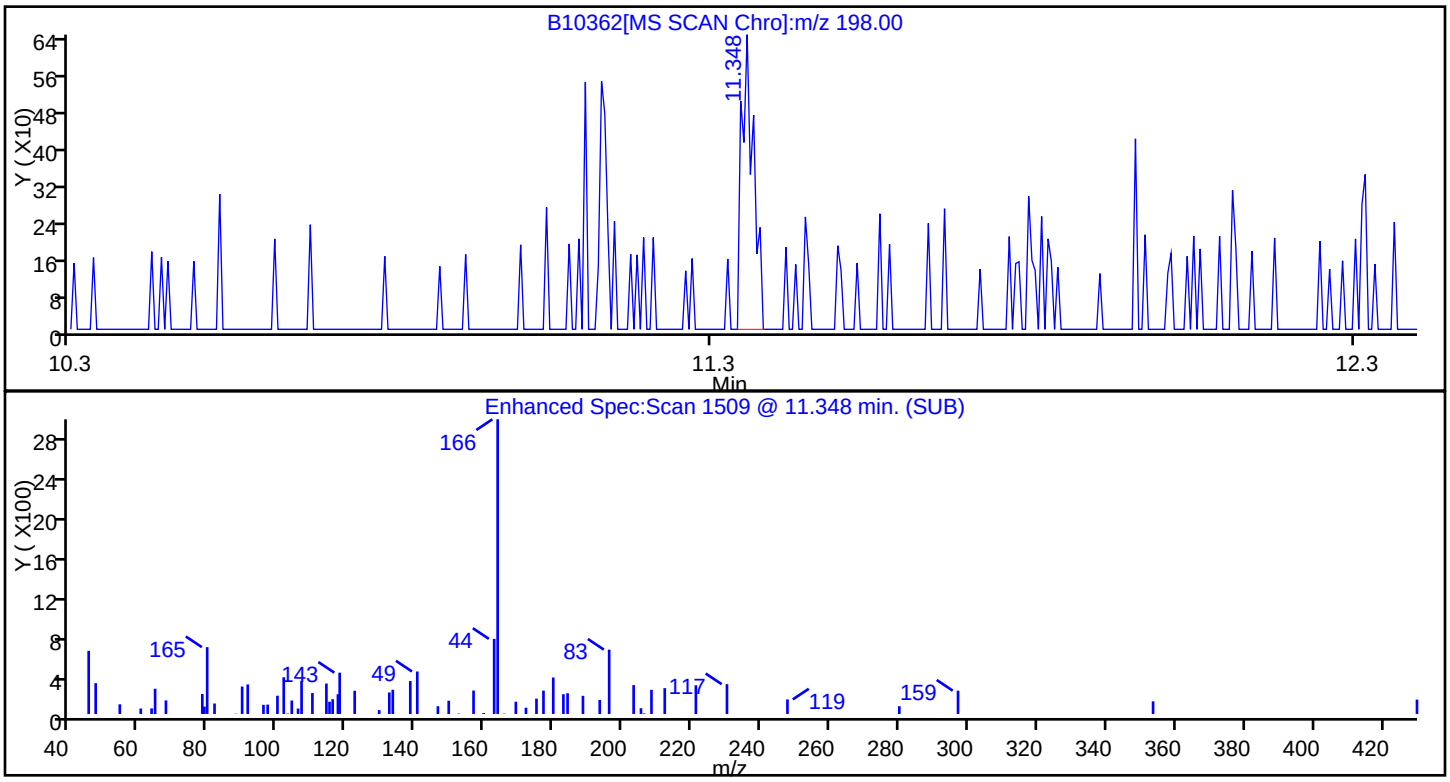
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10362.D		
Inj Date:	17-Sep-2009 13:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
11.35	198.00	793	0.100000
11.35	121.00	655	
11.35	105.00	533	

Reviewer: sullivanp, 18-Sep-2009 12:40:11
Audit Action: Marked Compound Undetected
Audit Reason:

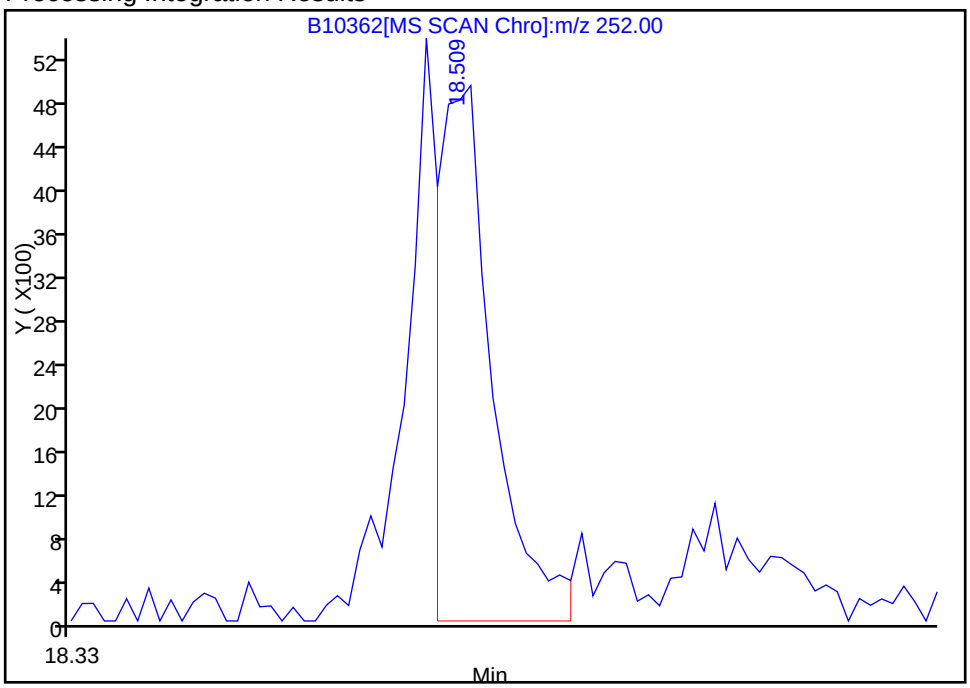
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10362.D		
Inj Date:	17-Sep-2009 13:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	2.00 uL	Operator:	MZ

99 Benzo[a]pyrene, Number: 1, m/z: 252 Type: quant, RT: 18.49

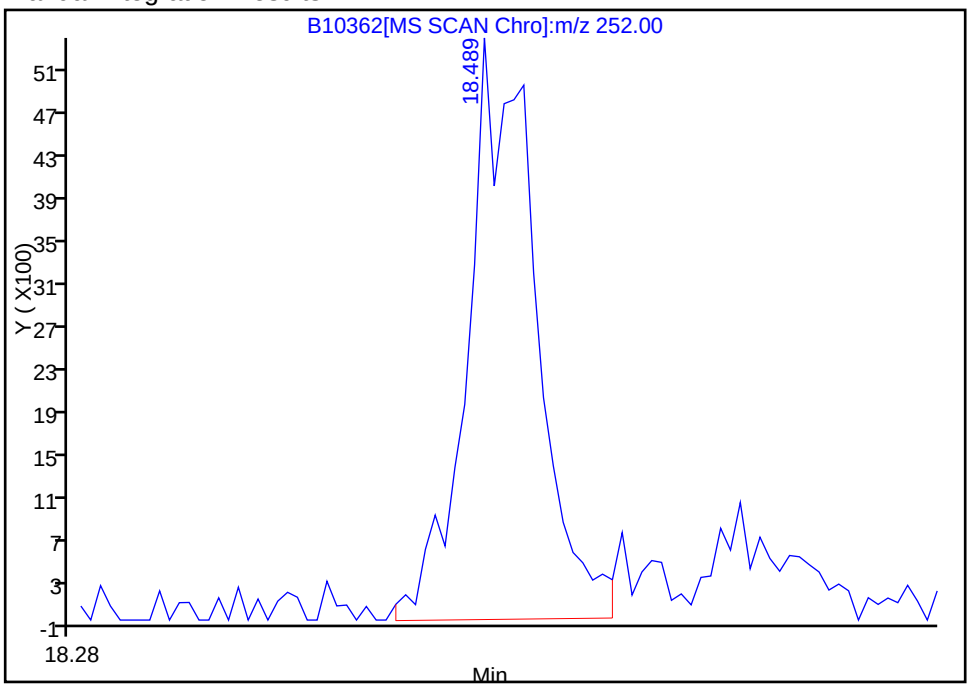
Processing Integration Results

RT: 18.51
Response: 8226
Amount: 0.100000



Manual Integration Results

RT: 18.49
Response: 12485
Amount: 0.089792



Reviewer: sullivanp, 18-Sep-2009 12:40:11
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10363.D		
Lims ID:	STD025	Client ID:	
Inject. Date:	17-Sep-2009 14:08:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	std025		
Misc. Info.:	360-0001207-004		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	4
Lims Batch ID:	49097	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\8270B.m		
Last Update:	18-Sep-2009 12:43:31	Calib Date:	17-Sep-2009 14:08:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10363.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 18-Sep-2009 12:43:31

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.244	8.242	0.002	531977	2.00	
* 2 Naphthalene-d8	136	9.365	9.367	-0.002	1269168	2.00	
* 3 Acenaphthene-d10	164	10.875	10.877	-0.002	596399	2.00	
* 4 Phenanthrene-d10	188	12.159	12.161	-0.003	967458	2.00	
* 5 Chrysene-d12	240	15.929	15.936	-0.007	656717	2.00	
* 6 Perylene-d12	264	18.622	18.629	-0.007	436975	2.00	
$ 7 2-Fluorophenol	112	7.013	7.006	0.007	39551	0.2657	
$ 8 Phenol-d5	99	7.855	7.857	-0.002	48314	0.2682	
$ 9 Nitrobenzene-d5	82	8.725	8.728	-0.003	45230	0.2552	
$ 10 2-Fluorobiphenyl	172	10.259	10.257	0.002	99706	0.2590	
$ 11 2,4,6-Tribromophenol	330	11.543	11.546	-0.003	6062	0.2494	
$ 12 Terphenyl-d14	244	13.957	13.964	-0.007	66184	0.2563	
14 1,4-Dioxane	88	5.027	5.001	0.026	24362	0.2996	
15 N-Nitrosodimethylamine	42	5.474	5.458	0.016	30797	0.2733	
16 Pyridine	79	5.580	5.511	0.069	29766	0.2339	
17 Benzaldehyde	105	7.855	7.852	0.003	19729	0.2607	
18 Phenol	94	7.869	7.867	0.002	49498	0.2564	
19 Aniline	93	7.941	7.939	0.002	16961	0.1893	
20 Bis(2-chloroethyl)ether	93	7.970	7.968	0.002	43916	0.2695	
21 2-Chlorophenol	128	8.057	8.054	0.003	42823	0.2668	
22 1,4-Dichlorobenzene	146	8.196	8.194	0.002	55041	0.2729	
23 1,3-Dichlorobenzene	146	8.259	8.256	0.003	58710	0.2786	
24 Benzyl alcohol	79	8.336	8.333	0.003	16084	0.2184	
25 1,2-Dichlorobenzene	146	8.403	8.401	0.002	52890	0.2659	
26 2-Methylphenol	108	8.408	8.410	-0.002	40021	0.2660	
27 2,2'-oxybis[1-chloropropane]	45	8.441	8.439	0.002	81429	0.2738	
28 3 & 4 Methylphenol	108	8.537	8.540	-0.003	37679	0.2638	
29 N-Nitrosodi-n-propylamine	70	8.562	8.559	0.003	26909	0.2546	
30 Acetophenone	105	8.581	8.579	0.002	59733	0.2721	
31 Hexachloroethane	117	8.706	8.704	0.002	17858	0.2588	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.744	8.742	0.002	46063	0.2639	
33 Isophorone	82	8.937	8.934	0.003	67761	0.2489	
35 2,4-Dimethylphenol	107	9.004	9.002	0.002	37127	0.2709	
34 2-Nitrophenol	139	9.023	9.021	0.002	19599	0.2613	
37 Bis(2-chloroethoxy)methane	93	9.086	9.083	0.003	47747	0.2649	
38 2,4-Dichlorophenol	162	9.220	9.218	0.002	32712	0.2686	
39 1,2,4-Trichlorobenzene	180	9.302	9.300	0.002	41666	0.2642	
40 Alpha-Terpineol	59	9.345	9.343	0.002	34300	0.2589	
42 4-Chloroaniline	127	9.403	9.403	0.000	30872	0.1841	M
41 Naphthalene	128	9.384	9.386	-0.002	140063	0.2577	
43 Hexachlorobutadiene	225	9.461	9.463	-0.002	19347	0.2582	
44 Caprolactam	55	9.687	9.699	-0.012	14864	0.2136	
45 4-Chloro-3-methylphenol	107	9.773	9.776	-0.003	30980	0.2648	
46 2-Methylnaphthalene	142	9.971	9.968	0.002	87503	0.2602	
47 1-Methylnaphthalene	142	10.062	10.060	0.002	88566	0.2623	
48 Hexachlorocyclopentadiene	237	10.096	10.098	-0.002	9632	0.2409	
49 1,2,4,5-Tetrachlorobenzene	216	10.110	10.113	-0.003	36218	0.2618	
50 2,4,6-Trichlorophenol	196	10.192	10.194	-0.002	20037	0.2484	
51 2,4,5-Trichlorophenol	196	10.230	10.233	-0.003	20781	0.2463	
52 1,1'-Biphenyl	154	10.355	10.353	0.002	111126	0.2634	
53 2-Chloronaphthalene	162	10.394	10.396	-0.002	99131	0.2536	
54 Phenyl ether	170	10.432	10.435	-0.003	59671	0.2617	
68 4-Nitroaniline	138	10.461	10.459	0.002	21378	0.2376	
56 Dimethyl phthalate	163	10.567	10.569	-0.002	93876	0.2600	
57 2,6-Dinitrotoluene	165	10.639	10.642	-0.003	18507	0.2493	
58 Acenaphthylene	152	10.759	10.762	-0.003	117700	0.2560	
59 3-Nitroaniline	138	10.807	10.805	0.002	13068	0.2231	
61 Acenaphthene	153	10.903	10.906	-0.003	88913	0.2649	
63 2,4-Dinitrotoluene	165	10.990	10.993	-0.003	18090	0.2278	
64 Dibenzofuran	168	11.043	11.045	-0.002	115331	0.2658	
65 2,3,4,6-Tetrachlorophenol	232	11.134	11.137	-0.003	14484	0.2493	
66 Diethyl phthalate	149	11.149	11.151	-0.002	95867	0.2525	
67 4-Chlorophenyl phenyl ether	204	11.303	11.300	0.003	42940	0.2602	
55 2-Nitroaniline	65	11.331	11.334	-0.003	13387	0.2165	
69 Fluorene	166	11.341	11.339	0.002	94067	0.2622	
71 Diphenylamine	169	11.394	11.397	-0.002	76743	0.2593	
72 N-Nitrosodiphenylamine	169	11.394	11.397	-0.002	76743	0.2593	
73 1,2-Diphenylhydrazine	77	11.437	11.440	-0.003	132678	0.2527	
74 Azobenzene	77	11.437	11.440	-0.003	132678	0.2527	
13 Benzophenone	105	11.447	11.449	-0.002	85308	0.2602	
75 4-Bromophenyl phenyl ether	248	11.721	11.724	-0.003	20814	0.2620	
77 Atrazine	200	11.798	11.800	-0.002	20471	0.2642	
76 Hexachlorobenzene	284	11.817	11.820	-0.003	19276	0.2509	
79 Pentachloronitrobenzene	237	11.981	11.983	-0.002	7200	0.2446	
80 Phenanthrene	178	12.183	12.185	-0.002	127638	0.2561	
81 Anthracene	178	12.231	12.233	-0.002	109657	0.2509	
83 Carbazole	167	12.351	12.353	-0.002	97376	0.2704	
84 Di-n-butyl phthalate	149	12.577	12.579	-0.002	148983	0.2381	
87 Fluoranthene	202	13.491	13.493	-0.002	105704	0.2507	
85 Pyrene	202	13.837	13.839	-0.002	112824	0.2595	
89 Butyl benzyl phthalate	149	14.779	14.777	0.002	41260	0.2289	
92 Bis(2-ethylhexyl) phthalate	149	15.794	15.797	-0.003	60555	0.2190	

Report Date: 18-Sep-2009 12:43:32 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTB.i\20090917-1.b\B10363.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
91 3,3'-Dichlorobenzidine	252	15.828	15.830	-0.002	26444	0.2229	
93 Benzo[a]anthracene	228	15.914	15.917	-0.003	67401	0.2489	
94 Chrysene	228	15.972	15.974	-0.002	70642	0.2572	
95 Di-n-octyl phthalate	149	16.862	16.864	-0.002	71382	0.2180	
97 Benzo[b]fluoranthene	252	17.799	17.807	-0.008	56841	0.2470	
98 Benzo[k]fluoranthene	252	17.852	17.860	-0.008	55922	0.2647	
99 Benzo[a]pyrene	252	18.497	18.489	0.007	34036	0.2230	
100 Indeno[1,2,3-cd]pyrene	276	21.425	21.425	0.000	24855	0.2200	M
101 Dibenz(a,h)anthracene	278	21.435	21.428	0.007	18252	0.2097	
102 Benzo[g,h,i]perylene	276	22.271	22.269	0.002	24194	0.2192	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Sep-2009 12:43:32 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-1.b\B10363.D

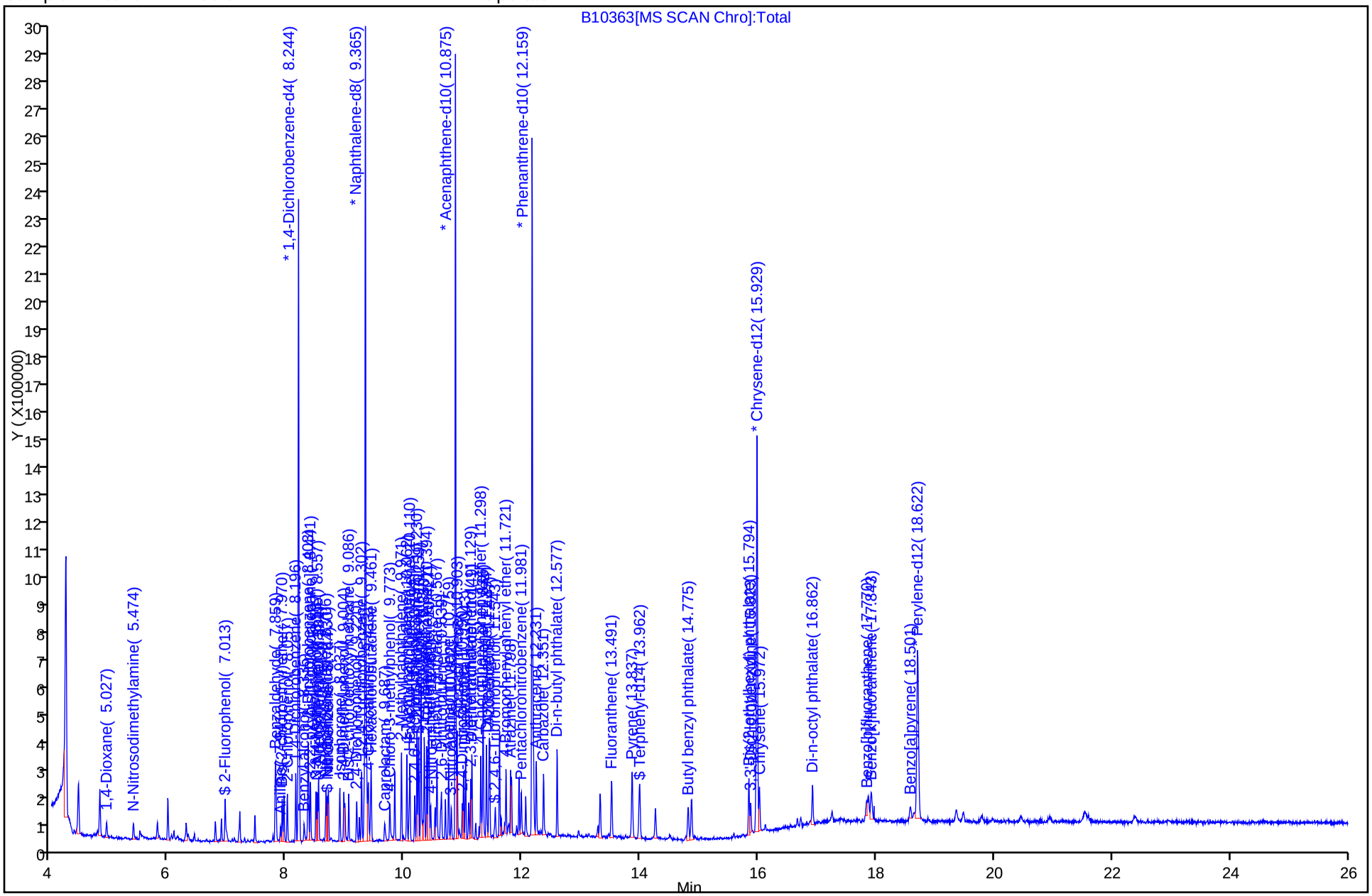
Inj Date: 17-Sep-2009 14:08:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49097 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: std025

Sample Amount: 2.00 uL Operator: MZ

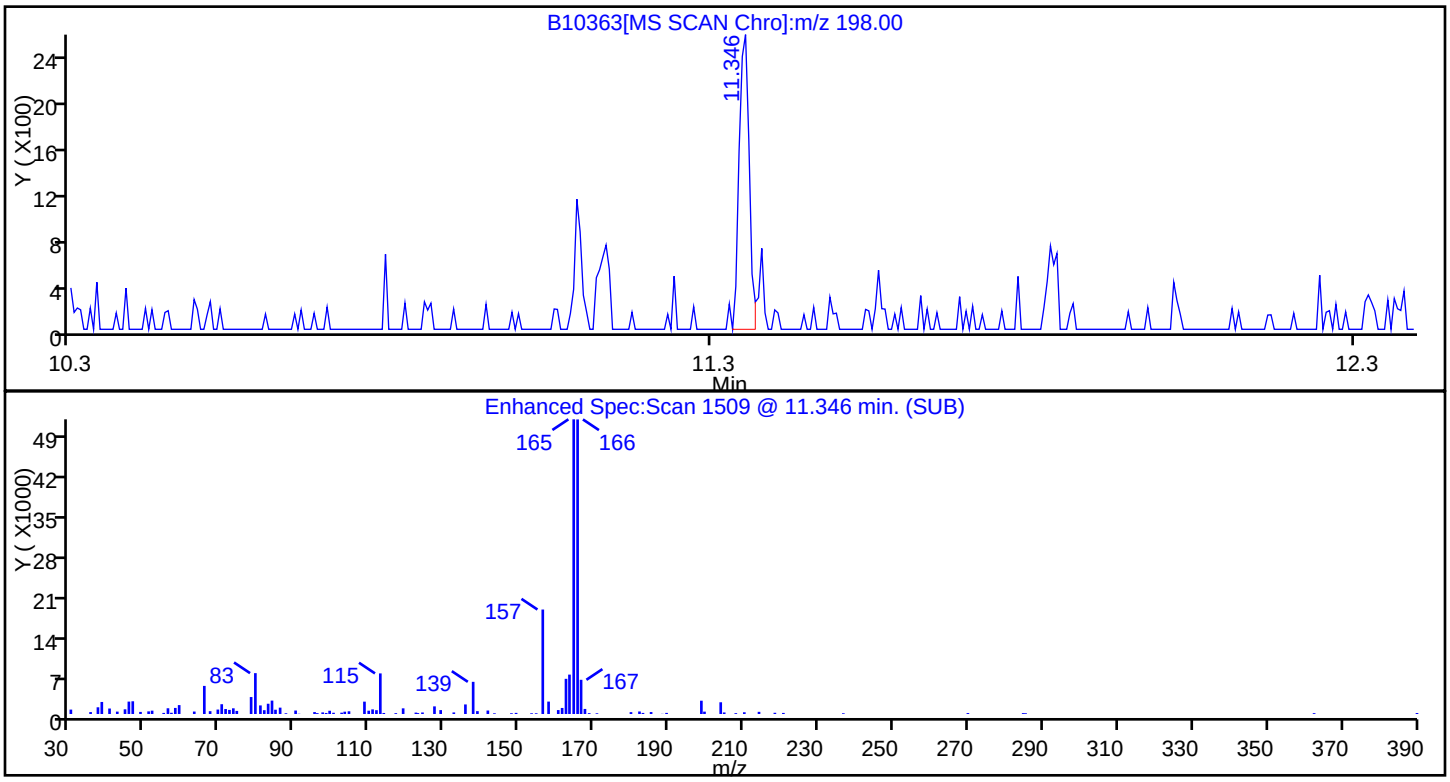


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10363.D		
Inj Date:	17-Sep-2009 14:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
11.35	198.00	2616	0.250000
11.34	121.00	1765	
11.34	105.00	1105	

Reviewer: sullivanp, 18-Sep-2009 12:43:31
Audit Action: Marked Compound Undetected
Audit Reason:

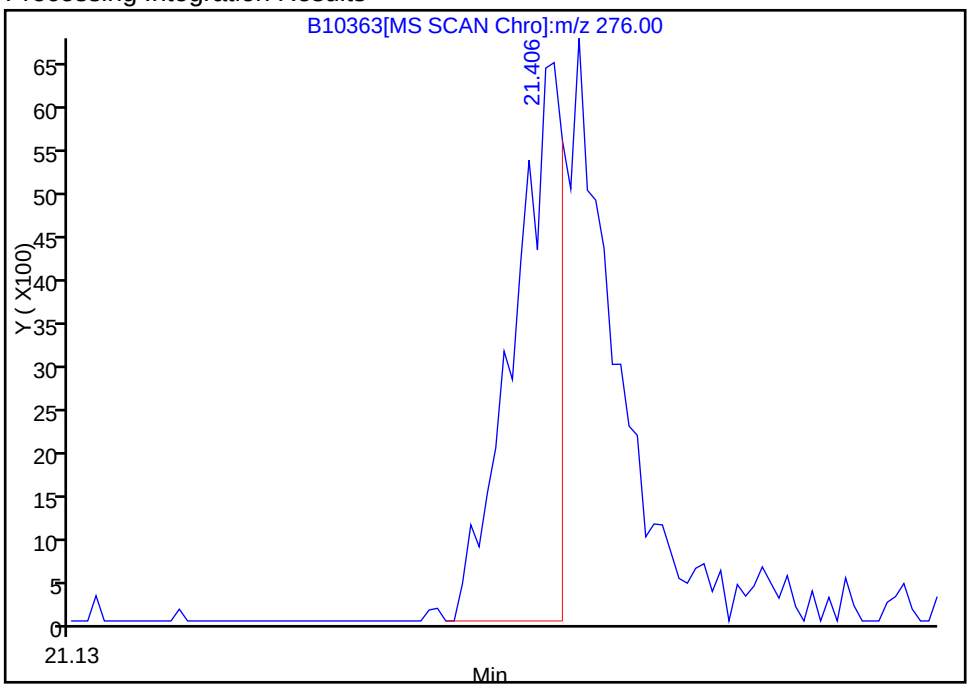
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10363.D		
Inj Date:	17-Sep-2009 14:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

100 Indeno[1,2,3-cd]pyrene, Number: 1, m/z: 276 Type: quant, RT: 21.43

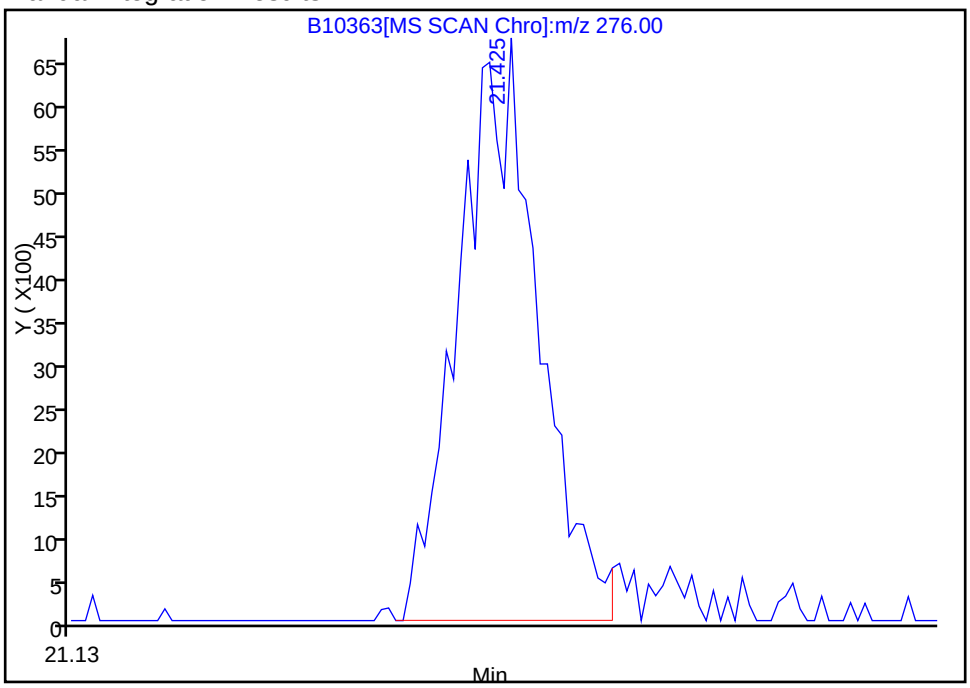
Processing Integration Results

RT: 21.41
Response: 12761
Amount: 0.181586



Manual Integration Results

RT: 21.43
Response: 24855
Amount: 0.219988



Reviewer: sullivanp, 18-Sep-2009 12:43:31
Audit Action: Manually Integrated
Audit Reason: Baseline

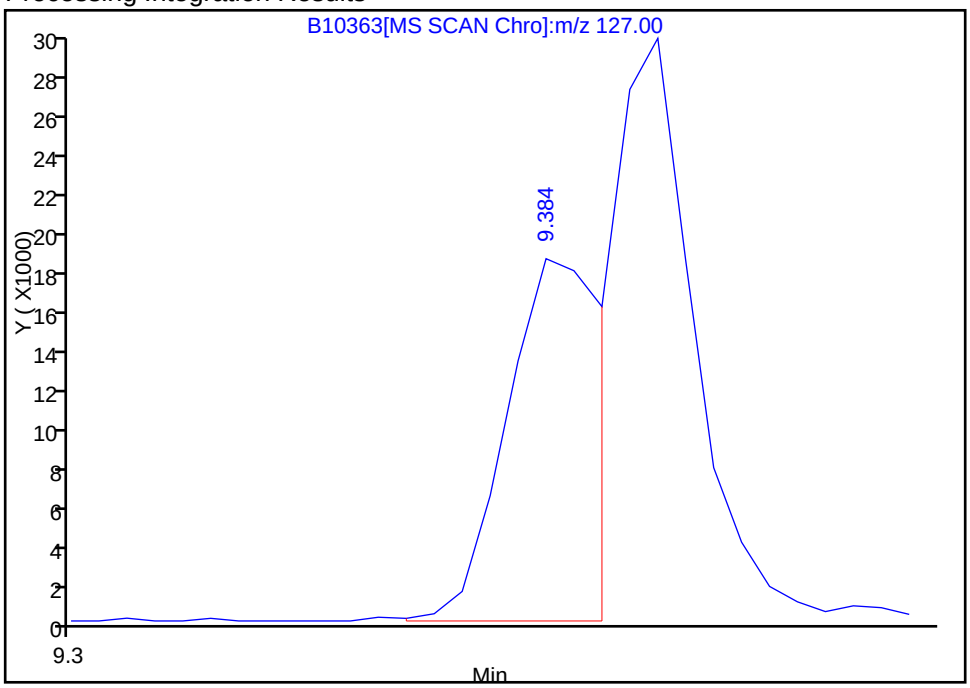
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10363.D		
Inj Date:	17-Sep-2009 14:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

42 4-Chloroaniline, Number: 1, m/z: 127 Type: quant, RT: 9.40

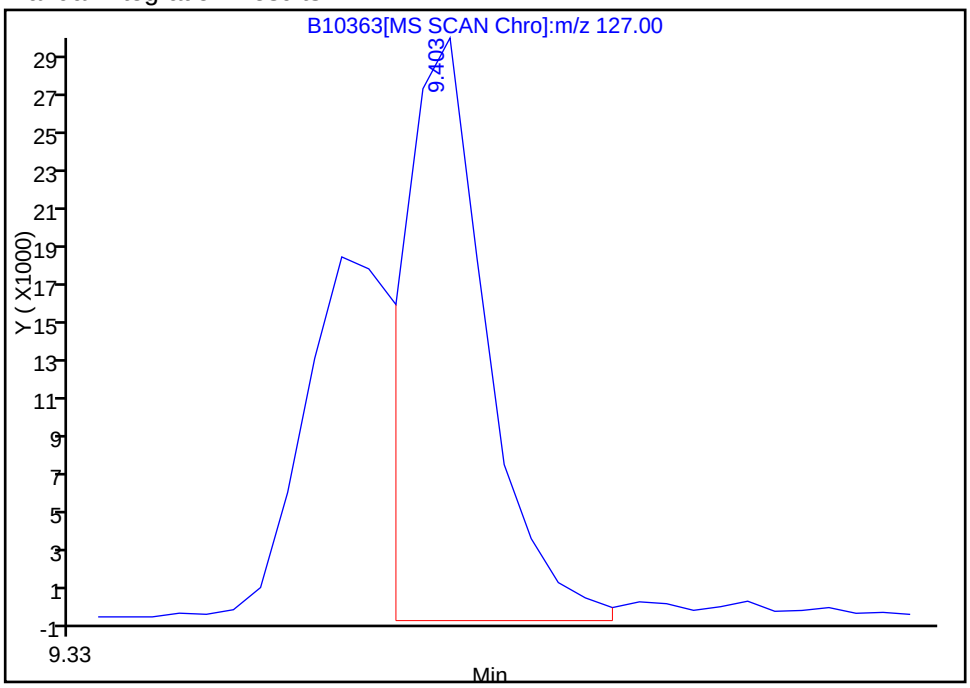
Processing Integration Results

RT: 9.38
Response: 21165
Amount: 0.155610



Manual Integration Results

RT: 9.40
Response: 30872
Amount: 0.184106



Reviewer: sullivanp, 18-Sep-2009 12:43:31
Audit Action: Manually Integrated
Audit Reason: Wrong peak

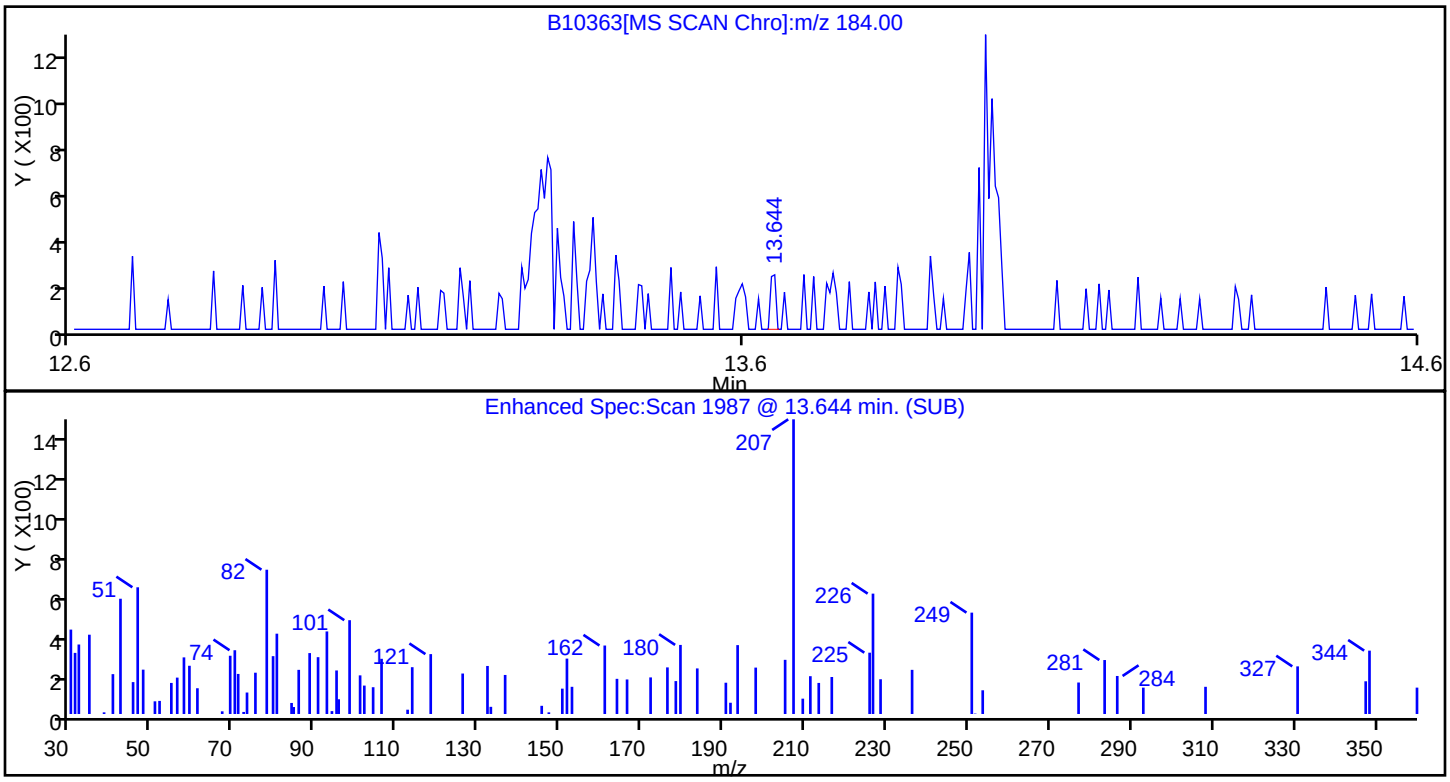
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10363.D		
Inj Date:	17-Sep-2009 14:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
13.64	184.00	127	0.250000
13.64	92.00	188	

Reviewer: sullivanp, 18-Sep-2009 12:43:31

Audit Action: Marked Compound Undetected

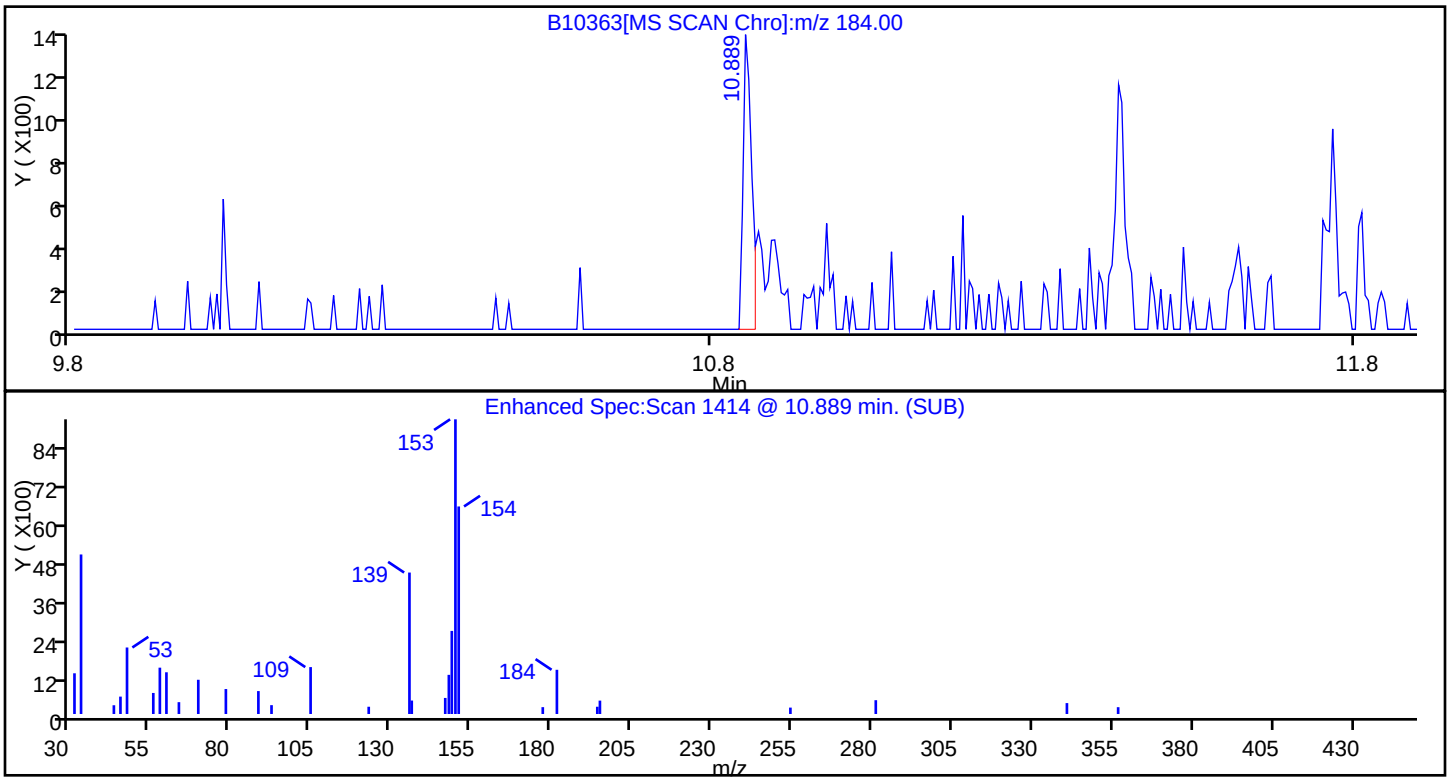
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10363.D		
Inj Date:	17-Sep-2009 14:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.89	184.00	1214	0.109010
10.90	63.00	12889	
10.88	154.00	2564	

Reviewer: sullivanp, 18-Sep-2009 12:43:31
Audit Action: Marked Compound Undetected
Audit Reason:

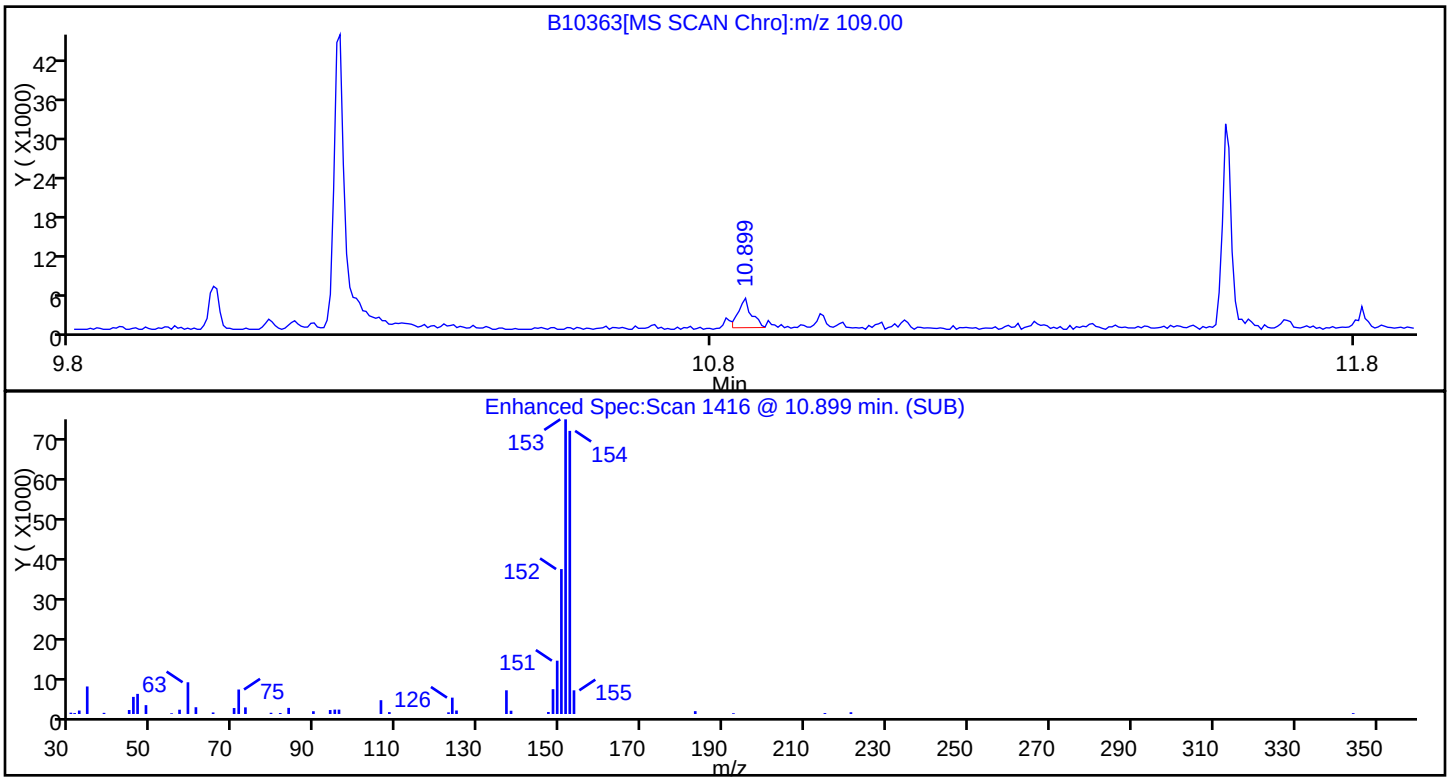
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10363.D		
Inj Date:	17-Sep-2009 14:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
10.90	109.00	6079	0.250000
10.90	139.00	7295	
10.90	64.00	3764	

Reviewer: sullivanp, 18-Sep-2009 12:43:31
Audit Action: Marked Compound Undetected
Audit Reason:

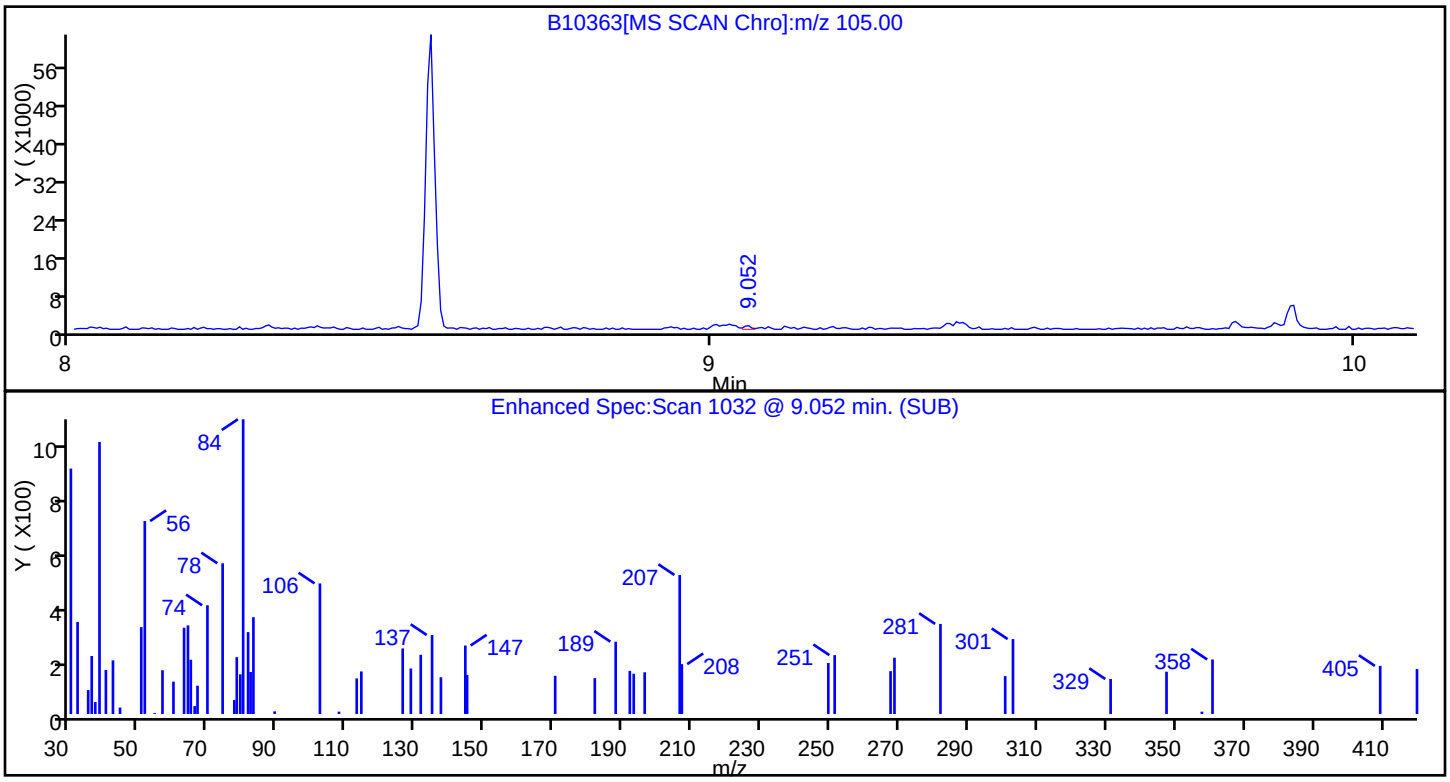
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10363.D		
Inj Date:	17-Sep-2009 14:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
9.05	105.00	616	0.250000
9.07	122.00	617	
9.06	77.00	262	

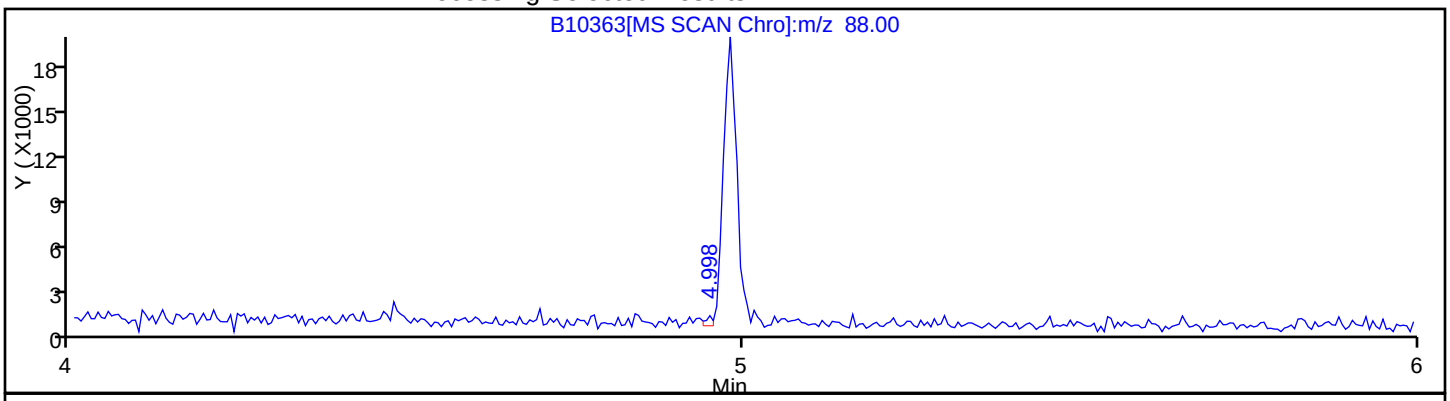
Reviewer: sullivanp, 18-Sep-2009 12:43:31
Audit Action: Marked Compound Undetected
Audit Reason:

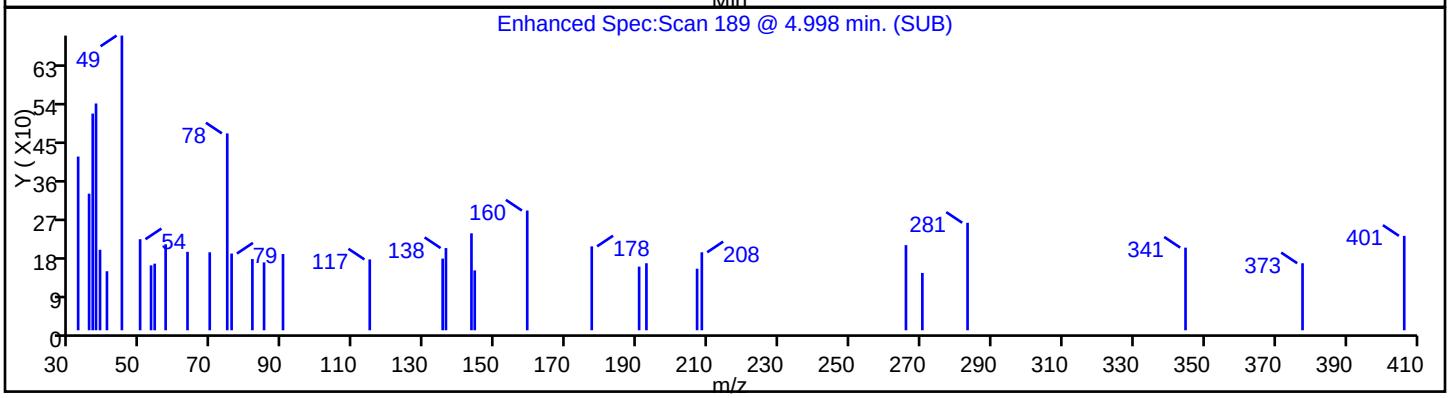
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10363.D		
Inj Date:	17-Sep-2009 14:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

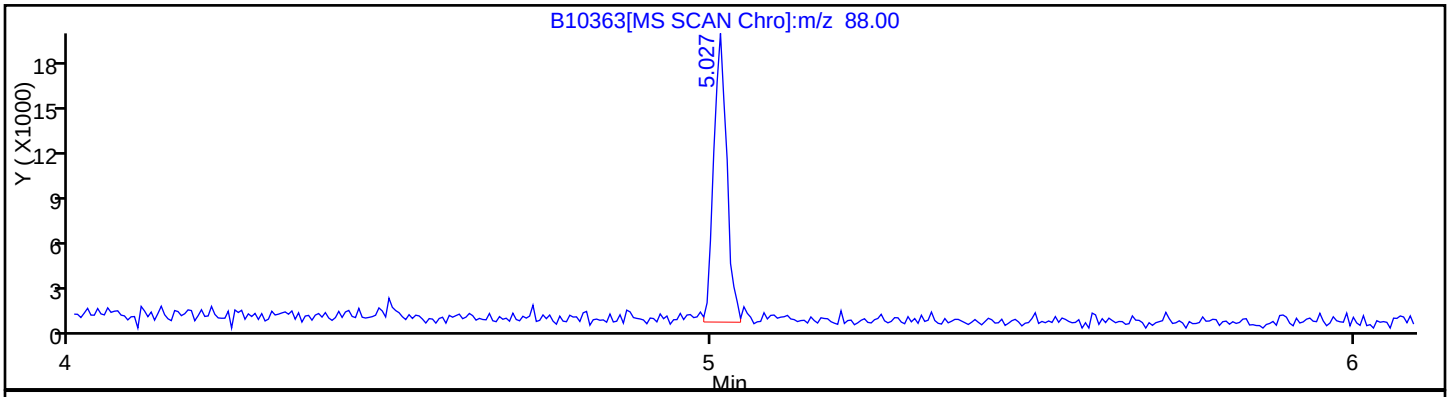
14 1,4-Dioxane

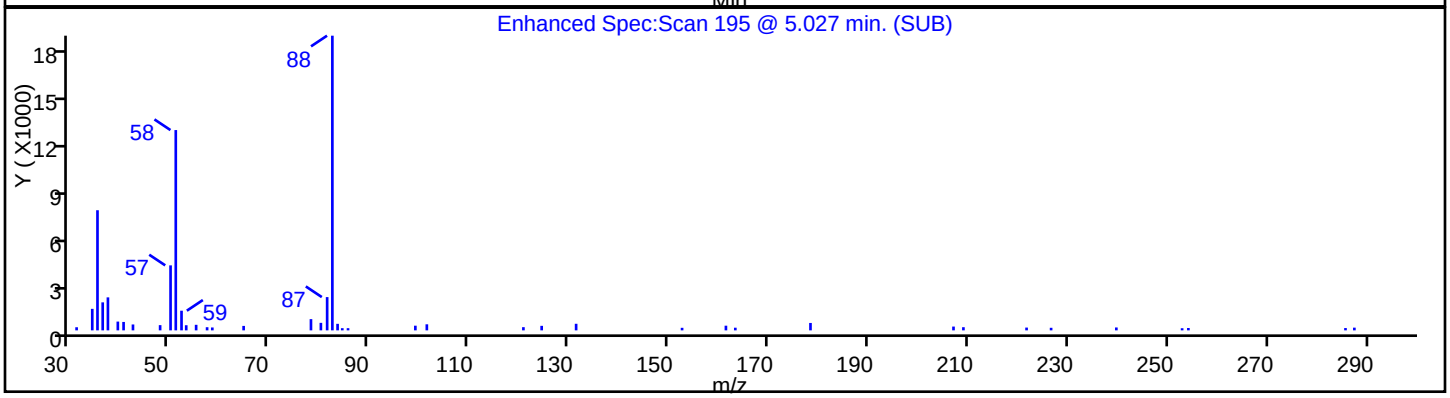
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 18-Sep-2009 12:43:31
Audit Action: Selected Alternate Hit
Audit Reason:

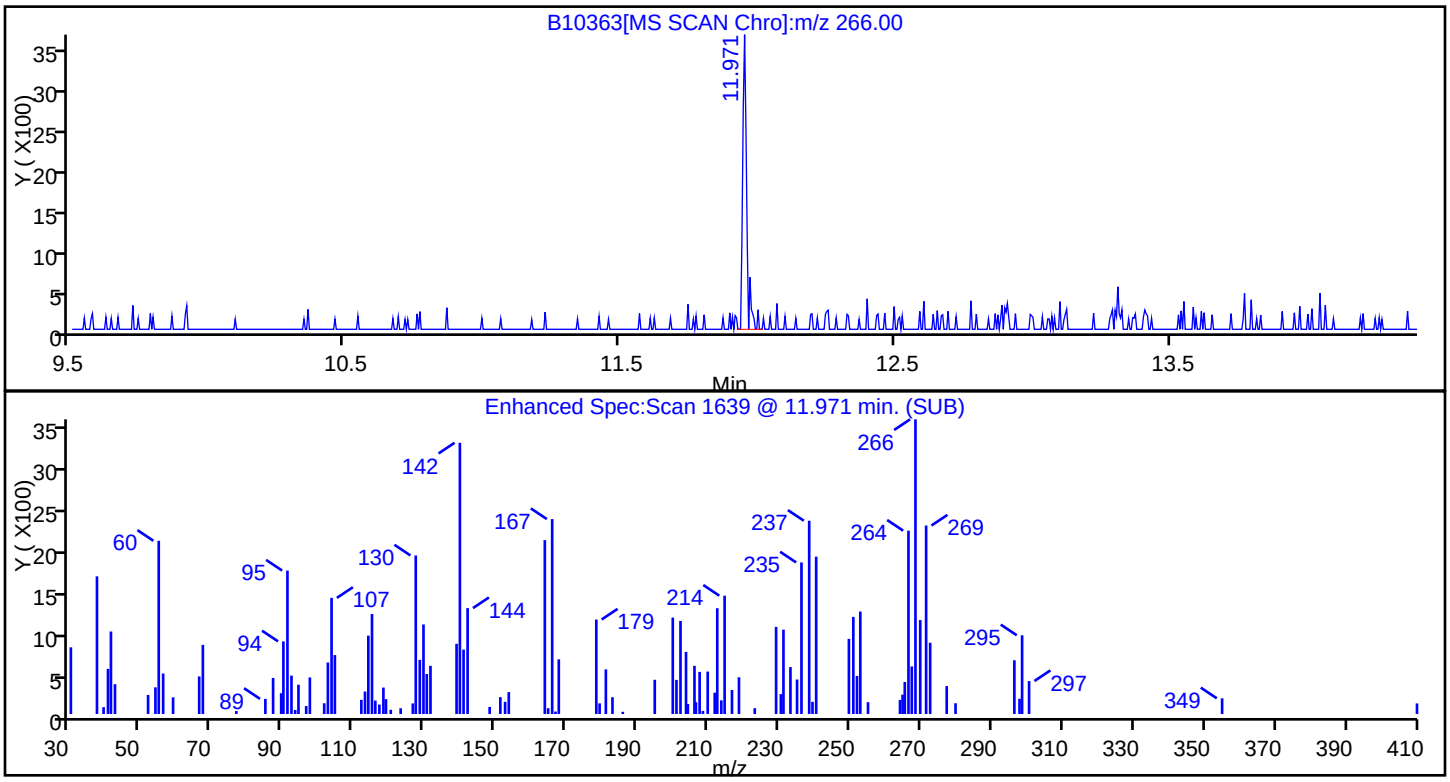
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10363.D		
Inj Date:	17-Sep-2009 14:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	2.00 uL	Operator:	MZ

78 Pentachlorophenol

Processing Results



RT	Mass	Response	Amount
11.97	266.00	3600	0.250000
11.97	264.00	2361	
11.97	268.00	2935	

Reviewer: sullivanp, 18-Sep-2009 12:43:31

Audit Action: Marked Compound Undetected

Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10364.D		
Lims ID:	STD05	Client ID:	
Inject. Date:	17-Sep-2009 14:42:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	std05		
Misc. Info.:	360-0001207-005		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	5
Lims Batch ID:	49097	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\8270B.m		
Last Update:	18-Sep-2009 12:44:52	Calib Date:	17-Sep-2009 14:42:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10364.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 18-Sep-2009 12:44:52

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.246	8.242	0.004	535681	2.00	
* 2 Naphthalene-d8	136	9.367	9.367	-0.001	1267325	2.00	
* 3 Acenaphthene-d10	164	10.876	10.877	-0.001	597583	2.00	
* 4 Phenanthrene-d10	188	12.160	12.161	-0.001	960119	2.00	
* 5 Chrysene-d12	240	15.931	15.936	-0.006	669280	2.00	
* 6 Perylene-d12	264	18.623	18.629	-0.006	452871	2.00	
$ 7 2-Fluorophenol	112	7.015	7.006	0.009	86660	0.5564	
$ 8 Phenol-d5	99	7.857	7.857	0.000	99435	0.5352	
$ 9 Nitrobenzene-d5	82	8.727	8.728	-0.001	99402	0.5449	
$ 10 2-Fluorobiphenyl	172	10.256	10.257	-0.001	198961	0.5118	
$ 11 2,4,6-Tribromophenol	330	11.545	11.546	-0.001	13366	0.5004	
$ 12 Terphenyl-d14	244	13.964	13.964	0.000	137202	0.5158	
14 1,4-Dioxane	88	5.019	5.001	0.018	41755	0.6002	
15 N-Nitrosodimethylamine	42	5.471	5.458	0.013	63478	0.5312	
16 Pyridine	79	5.548	5.511	0.037	66803	0.5140	
17 Benzaldehyde	105	7.852	7.852	0.000	34295	0.4887	
18 Phenol	94	7.866	7.867	-0.001	104427	0.5274	
19 Aniline	93	7.943	7.939	0.004	53253	0.3968	
20 Bis(2-chloroethyl)ether	93	7.972	7.968	0.004	95337	0.5585	
21 2-Chlorophenol	128	8.054	8.054	0.000	85792	0.5227	
22 1,4-Dichlorobenzene	146	8.198	8.194	0.004	112277	0.5387	
23 1,3-Dichlorobenzene	146	8.260	8.256	0.004	119008	0.5443	
24 Benzyl alcohol	79	8.337	8.333	0.004	39121	0.4251	
25 1,2-Dichlorobenzene	146	8.400	8.401	-0.001	105140	0.5185	
26 2-Methylphenol	108	8.410	8.410	0.000	81488	0.5279	
27 2,2'-oxybis[1-chloropropane]	45	8.443	8.439	0.004	163396	0.5335	
28 3 & 4 Methylphenol	108	8.535	8.540	-0.005	80950	0.5457	
29 N-Nitrosodi-n-propylamine	70	8.559	8.559	0.000	57774	0.5314	
30 Acetophenone	105	8.578	8.579	-0.001	124224	0.5451	
31 Hexachloroethane	117	8.708	8.704	0.004	38780	0.5424	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.746	8.742	0.004	96433	0.5389	
33 Isophorone	82	8.934	8.934	0.000	153425	0.5468	
35 2,4-Dimethylphenol	107	9.001	9.002	-0.001	68811	0.5022	
34 2-Nitrophenol	139	9.020	9.021	-0.001	44363	0.5662	
36 Benzoic acid	105	9.025	9.025	0.000	4883	0.5000	M
37 Bis(2-chloroethoxy)methane	93	9.088	9.083	0.005	96882	0.5282	
38 2,4-Dichlorophenol	162	9.217	9.218	-0.001	62606	0.5110	
39 1,2,4-Trichlorobenzene	180	9.304	9.300	0.004	85117	0.5298	
40 Alpha-Terpineol	59	9.342	9.343	-0.001	66626	0.5027	
41 Naphthalene	128	9.386	9.386	0.000	288540	0.5234	
42 4-Chloroaniline	127	9.400	9.403	-0.003	106821	0.4952	
43 Hexachlorobutadiene	225	9.463	9.463	0.000	42874	0.5529	
44 Caprolactam	55	9.689	9.699	-0.010	30560	0.4534	
45 4-Chloro-3-methylphenol	107	9.775	9.776	-0.001	53168	0.4656	
46 2-Methylnaphthalene	142	9.968	9.968	0.000	181311	0.5293	
47 1-Methylnaphthalene	142	10.059	10.060	-0.001	177249	0.5190	
48 Hexachlorocyclopentadiene	237	10.097	10.098	-0.001	21460	0.5335	
49 1,2,4,5-Tetrachlorobenzene	216	10.112	10.113	-0.001	72875	0.5204	
50 2,4,6-Trichlorophenol	196	10.194	10.194	0.000	42050	0.5151	
51 2,4,5-Trichlorophenol	196	10.232	10.233	-0.001	38943	0.4699	
52 1,1'-Biphenyl	154	10.352	10.353	-0.001	221896	0.5185	
53 2-Chloronaphthalene	162	10.396	10.396	0.000	204410	0.5162	
54 Phenyl ether	170	10.434	10.435	-0.001	118880	0.5164	
68 4-Nitroaniline	138	10.458	10.459	-0.001	47891	0.4941	
56 Dimethyl phthalate	163	10.564	10.569	-0.005	193694	0.5260	
57 2,6-Dinitrotoluene	165	10.641	10.642	-0.001	40801	0.5356	
58 Acenaphthylene	152	10.761	10.762	-0.001	249216	0.5301	
59 3-Nitroaniline	138	10.804	10.805	-0.001	32465	0.4912	
60 2,4-Dinitrophenol	184	10.886	10.887	-0.001	2611	0.2303	
62 4-Nitrophenol	109	10.891	10.896	-0.005	14933	0.5000	
61 Acenaphthene	153	10.901	10.906	-0.006	176095	0.5175	
63 2,4-Dinitrotoluene	165	10.992	10.993	-0.001	44707	0.4996	
64 Dibenzofuran	168	11.045	11.045	0.000	230270	0.5219	
65 2,3,4,6-Tetrachlorophenol	232	11.131	11.137	-0.006	28088	0.4663	
66 Diethyl phthalate	149	11.151	11.151	0.000	190852	0.5013	
67 4-Chlorophenyl phenyl ether	204	11.300	11.300	0.000	83118	0.5021	
55 2-Nitroaniline	65	11.328	11.334	-0.006	30266	0.4409	
69 Fluorene	166	11.338	11.339	-0.001	184824	0.5105	
70 4,6-Dinitro-2-methylphenol	198	11.343	11.344	-0.001	8509	0.5000	
71 Diphenylamine	169	11.396	11.397	0.000	155181	0.5210	
72 N-Nitrosodiphenylamine	169	11.396	11.397	0.000	155181	0.5210	
73 1,2-Diphenylhydrazine	77	11.439	11.440	-0.001	284281	0.5335	
74 Azobenzene	77	11.439	11.440	-0.001	284281	0.5335	
13 Benzophenone	105	11.449	11.449	0.000	175941	0.5299	
75 4-Bromophenyl phenyl ether	248	11.723	11.724	-0.001	42752	0.5310	
77 Atrazine	200	11.800	11.800	0.000	44387	0.5558	
76 Hexachlorobenzene	284	11.814	11.820	-0.006	38999	0.5086	
78 Pentachlorophenol	266	11.968	11.969	-0.001	12025	0.5000	
79 Pentachloronitrobenzene	237	11.982	11.983	-0.001	15334	0.5185	
80 Phenanthrene	178	12.184	12.185	-0.001	255794	0.5128	
81 Anthracene	178	12.228	12.233	-0.005	232182	0.5260	
83 Carbazole	167	12.353	12.353	0.000	193583	0.5306	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.579	12.579	0.000	292895	0.4718	
87 Fluoranthene	202	13.492	13.493	-0.001	218682	0.5168	
85 Pyrene	202	13.839	13.839	0.000	228565	0.5117	
89 Butyl benzyl phthalate	149	14.776	14.777	-0.001	94397	0.5104	
92 Bis(2-ethylhexyl) phthalate	149	15.791	15.797	-0.006	129851	0.4700	
91 3,3'-Dichlorobenzidine	252	15.820	15.830	-0.010	70654	0.4934	
93 Benzo[a]anthracene	228	15.911	15.917	-0.006	144838	0.5184	
94 Chrysene	228	15.969	15.974	-0.005	145907	0.5158	
95 Di-n-octyl phthalate	149	16.859	16.864	-0.005	170944	0.4420	
97 Benzo[b]fluoranthene	252	17.796	17.807	-0.011	125283	0.5187	
98 Benzo[k]fluoranthene	252	17.849	17.860	-0.011	114266	0.5162	
99 Benzo[a]pyrene	252	18.498	18.489	0.009	83230	0.5194	
100 Indeno[1,2,3-cd]pyrene	276	21.413	21.425	-0.012	53376	0.4661	
101 Dibenz(a,h)anthracene	278	21.432	21.428	0.004	40867	0.4216	
102 Benzo[g,h,i]perylene	276	22.269	22.269	-0.001	57724	0.5034	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Sep-2009 12:44:53 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-1.b\B10364.D

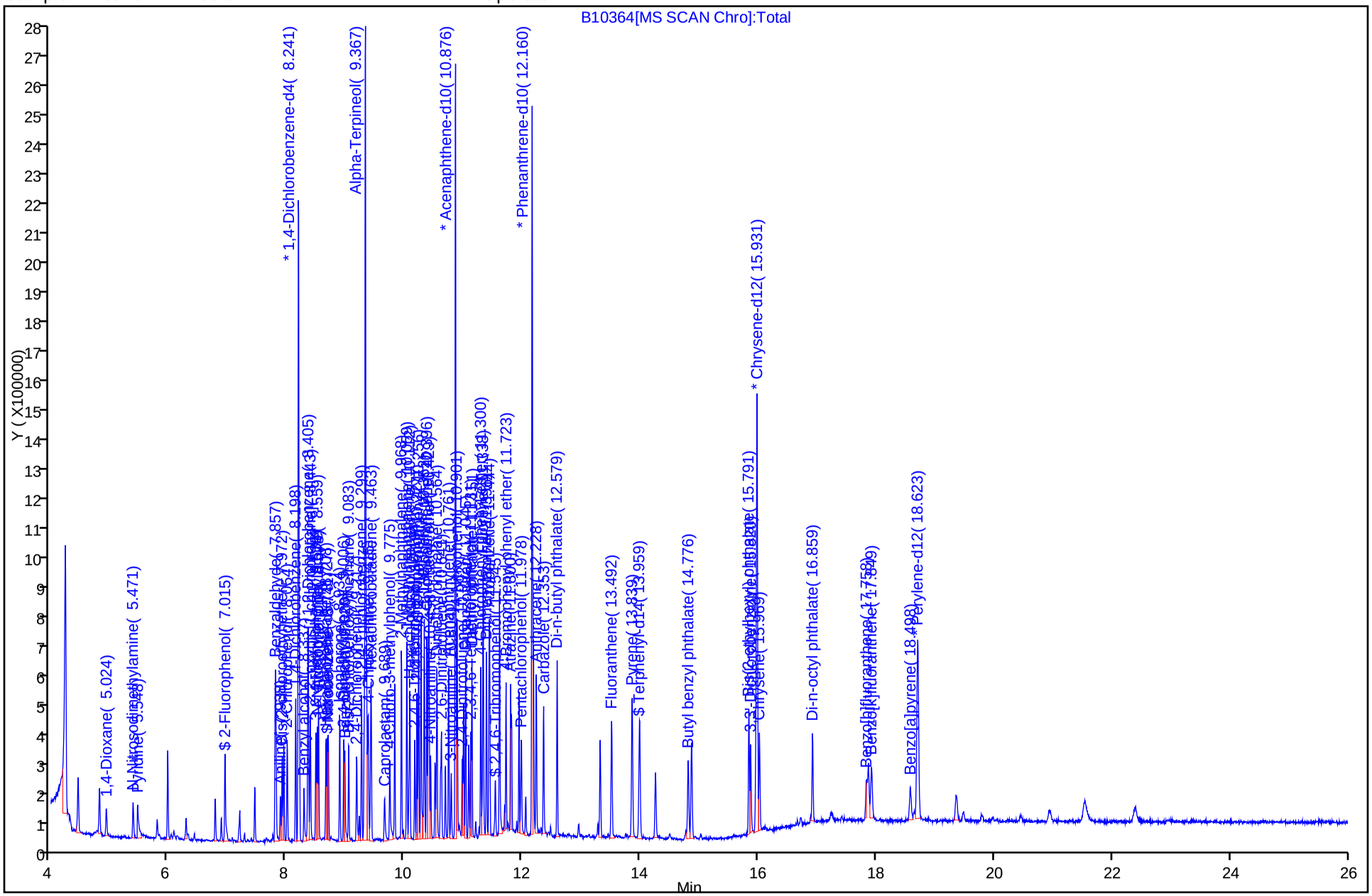
Inj Date: 17-Sep-2009 14:42:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49097 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: std05

Sample Amount: 2.00 uL Operator: MZ



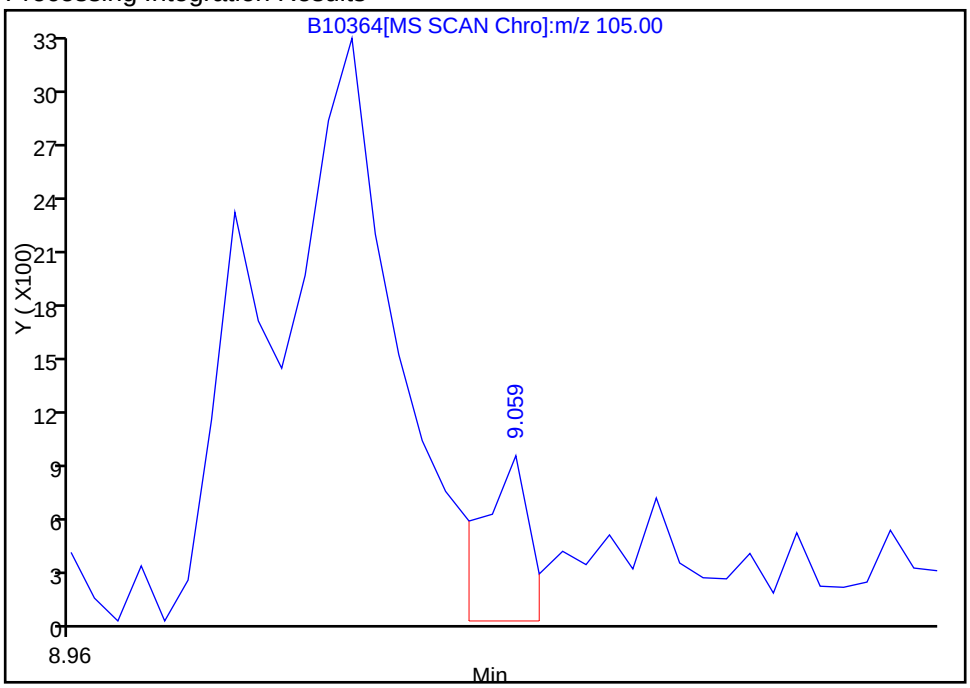
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10364.D		
Inj Date:	17-Sep-2009 14:42:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 9.03

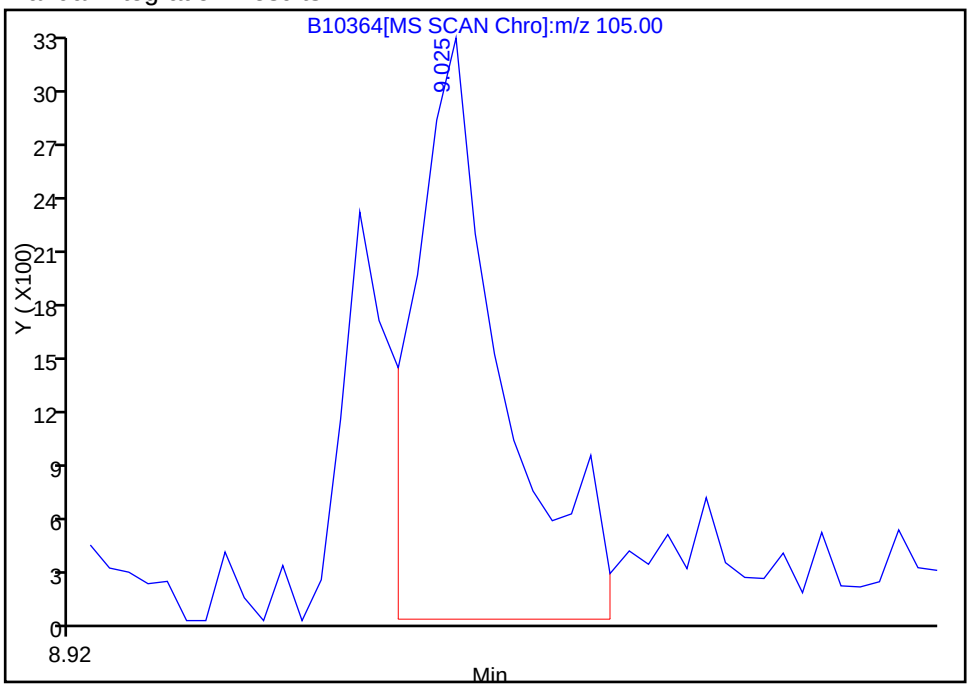
Processing Integration Results

RT: 9.06
Response: 671
Amount: 0.500000



Manual Integration Results

RT: 9.03
Response: 4883
Amount: 0.500000



Reviewer: sullivanp, 18-Sep-2009 12:44:52
Audit Action: Manually Integrated
Audit Reason: Assign Peak

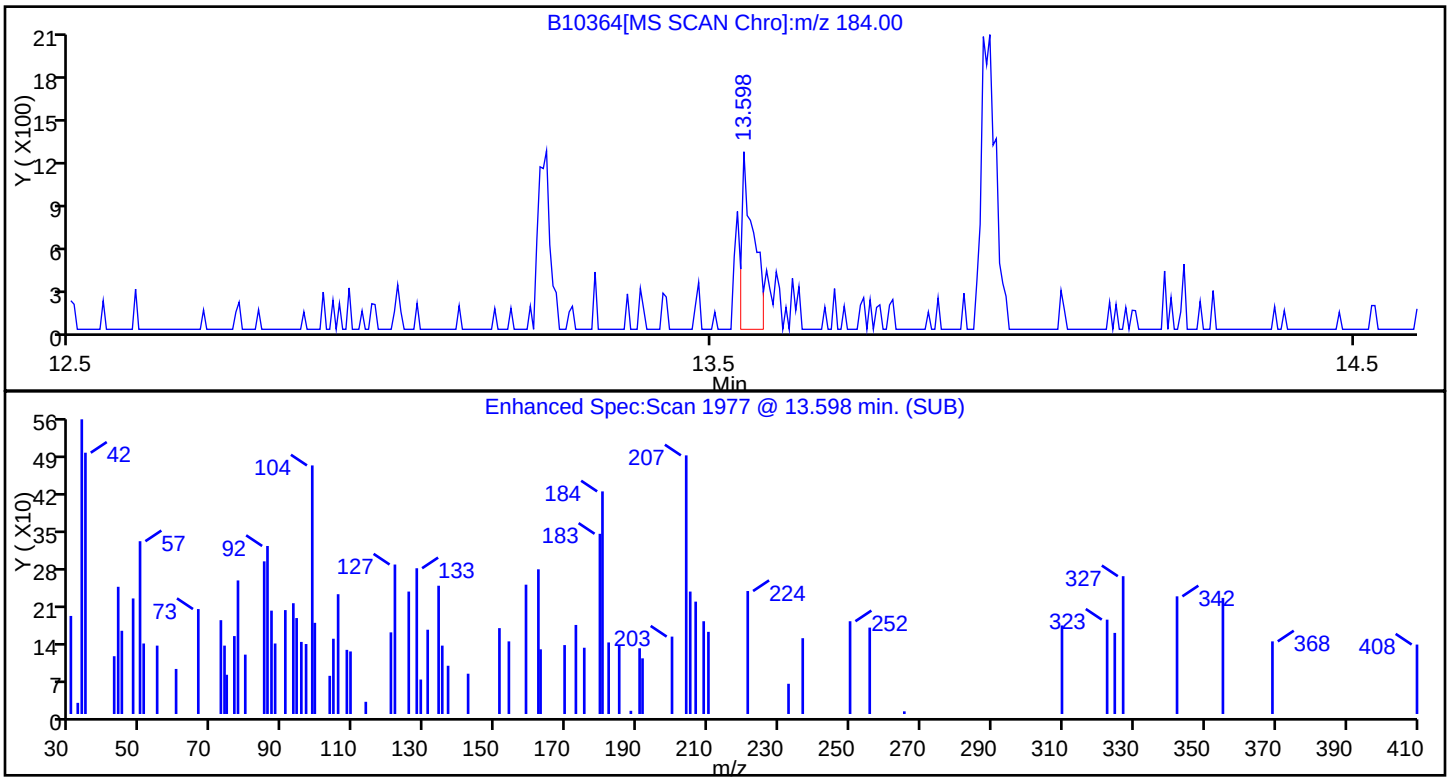
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10364.D		
Inj Date:	17-Sep-2009 14:42:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	2.00 uL	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
13.60	184.00	1516	0.500000
13.60	92.00	350	
13.59	156.00	204	

Reviewer: sullivanp, 18-Sep-2009 12:44:52
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10365.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	17-Sep-2009 15:16:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	std1		
Misc. Info.:	360-0001207-006		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	6
Lims Batch ID:	49097	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\8270B.m		
Last Update:	18-Sep-2009 12:46:12	Calib Date:	17-Sep-2009 15:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10365.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	18-Sep-2009 12:46:12

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.240	8.242	-0.002	576125	2.00	
* 2 Naphthalene-d8	136	9.365	9.367	-0.002	1352231	2.00	
* 3 Acenaphthene-d10	164	10.875	10.877	-0.002	628483	2.00	
* 4 Phenanthrene-d10	188	12.159	12.161	-0.002	1064793	2.00	
* 5 Chrysene-d12	240	15.929	15.936	-0.007	786970	2.00	
* 6 Perylene-d12	264	18.622	18.629	-0.007	543941	2.00	
$ 7 2-Fluorophenol	112	7.009	7.006	0.003	179499	1.06	
$ 8 Phenol-d5	99	7.855	7.857	-0.002	205510	1.02	
$ 9 Nitrobenzene-d5	82	8.726	8.728	-0.002	205541	1.04	
$ 10 2-Fluorobiphenyl	172	10.255	10.257	-0.002	412313	1.01	
$ 11 2,4,6-Tribromophenol	330	11.549	11.546	0.002	29511	0.9664	
$ 12 Terphenyl-d14	244	13.963	13.964	-0.001	306406	0.9836	
14 1,4-Dioxane	88	5.013	5.001	0.012	73833	1.08	
15 N-Nitrosodimethylamine	42	5.465	5.458	0.007	127972	1.00	
16 Pyridine	79	5.528	5.511	0.017	142780	1.02	
17 Benzaldehyde	105	7.851	7.852	-0.001	80668	0.9863	
18 Phenol	94	7.865	7.867	-0.002	218265	1.02	
19 Aniline	93	7.937	7.939	-0.002	192652	1.06	
20 Bis(2-chloroethyl)ether	93	7.971	7.968	0.003	187305	1.02	
21 2-Chlorophenol	128	8.053	8.054	-0.002	182195	1.03	
22 1,4-Dichlorobenzene	146	8.197	8.194	0.003	228160	1.01	
23 1,3-Dichlorobenzene	146	8.259	8.256	0.003	238056	1.01	
24 Benzyl alcohol	79	8.336	8.333	0.003	116045	1.01	
25 1,2-Dichlorobenzene	146	8.399	8.401	-0.002	214081	0.9853	
26 2-Methylphenol	108	8.408	8.410	-0.002	172130	1.03	
27 2,2'-oxybis[1-chloropropane]	45	8.442	8.439	0.003	336688	1.02	
28 3 & 4 Methylphenol	108	8.533	8.540	-0.007	167128	1.04	
29 N-Nitrosodi-n-propylamine	70	8.557	8.559	-0.002	122681	1.04	
30 Acetophenone	105	8.577	8.579	-0.002	249237	1.01	
31 Hexachloroethane	117	8.702	8.704	-0.002	76114	0.99	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.745	8.742	0.003	201060	1.04	
33 Isophorone	82	8.933	8.934	-0.001	328091	1.08	
35 2,4-Dimethylphenol	107	9.000	9.002	-0.002	137052	0.9492	
34 2-Nitrophenol	139	9.019	9.021	-0.002	97375	1.13	
36 Benzoic acid	105	9.029	9.029	0.000	31017	1.19	M
37 Bis(2-chloroethoxy)methane	93	9.086	9.083	0.003	201121	1.02	
38 2,4-Dichlorophenol	162	9.216	9.218	-0.002	134834	1.03	
39 1,2,4-Trichlorobenzene	180	9.303	9.300	0.003	174894	1.02	
40 Alpha-Terpineol	59	9.341	9.343	-0.002	146868	1.03	
41 Naphthalene	128	9.385	9.386	-0.001	597307	1.01	
42 4-Chloroaniline	127	9.399	9.403	-0.004	246918	1.00	
43 Hexachlorobutadiene	225	9.461	9.463	-0.002	86659	1.04	
44 Caprolactam	55	9.688	9.699	-0.011	75535	1.04	
45 4-Chloro-3-methylphenol	107	9.774	9.776	-0.002	133867	1.08	
46 2-Methylnaphthalene	142	9.971	9.968	0.003	367948	1.01	
47 1-Methylnaphthalene	142	10.058	10.060	-0.002	371513	1.02	
48 Hexachlorocyclopentadiene	237	10.096	10.098	-0.002	44166	1.03	
49 1,2,4,5-Tetrachlorobenzene	216	10.111	10.113	-0.002	155516	1.03	
50 2,4,6-Trichlorophenol	196	10.192	10.194	-0.002	92629	1.06	
51 2,4,5-Trichlorophenol	196	10.231	10.233	-0.002	96353	1.08	
52 1,1'-Biphenyl	154	10.351	10.353	-0.002	461676	1.02	
53 2-Chloronaphthalene	162	10.394	10.396	-0.002	418088	1.00	
54 Phenyl ether	170	10.433	10.435	-0.002	245769	1.00	
68 4-Nitroaniline	138	10.457	10.459	-0.002	111161	1.13	
56 Dimethyl phthalate	163	10.568	10.569	-0.001	395120	1.02	
57 2,6-Dinitrotoluene	165	10.640	10.642	-0.002	89879	1.10	
58 Acenaphthylene	152	10.760	10.762	-0.002	540723	1.07	
59 3-Nitroaniline	138	10.803	10.805	-0.002	74921	1.02	
60 2,4-Dinitrophenol	184	10.890	10.887	0.003	13596	1.09	
62 4-Nitrophenol	109	10.890	10.896	-0.006	40426	1.00	
61 Acenaphthene	153	10.904	10.906	-0.002	375229	1.04	
63 2,4-Dinitrotoluene	165	10.991	10.993	-0.002	107911	1.06	
64 Dibenzofuran	168	11.044	11.045	-0.001	489145	1.04	
65 2,3,4,6-Tetrachlorophenol	232	11.135	11.137	-0.002	67676	1.11	
66 Diethyl phthalate	149	11.149	11.151	-0.002	396769	0.99	
67 4-Chlorophenyl phenyl ether	204	11.298	11.300	-0.002	175844	1.01	
55 2-Nitroaniline	65	11.327	11.334	-0.007	81560	1.04	
69 Fluorene	166	11.337	11.339	-0.002	403285	1.05	
70 4,6-Dinitro-2-methylphenol	198	11.342	11.344	-0.002	25430	1.01	
71 Diphenylamine	169	11.395	11.397	-0.001	332047	1.00	
72 N-Nitrosodiphenylamine	169	11.395	11.397	-0.001	332047	1.00	
73 1,2-Diphenylhydrazine	77	11.438	11.440	-0.002	631900	1.05	
74 Azobenzene	77	11.438	11.440	-0.002	631900	1.05	
13 Benzophenone	105	11.448	11.449	-0.001	385989	1.04	
75 4-Bromophenyl phenyl ether	248	11.722	11.724	-0.002	92283	1.03	
77 Atrazine	200	11.799	11.800	-0.001	97304	1.08	
76 Hexachlorobenzene	284	11.818	11.820	-0.002	85037	1.00	
78 Pentachlorophenol	266	11.967	11.969	-0.002	30509	0.9531	
79 Pentachloronitrobenzene	237	11.981	11.983	-0.002	37269	1.11	
80 Phenanthrene	178	12.183	12.185	-0.002	555673	1.00	
81 Anthracene	178	12.231	12.233	-0.002	532898	1.07	
83 Carbazole	167	12.352	12.353	-0.001	425825	1.04	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.578	12.579	-0.001	648675	0.9532	
87 Fluoranthene	202	13.491	13.493	-0.002	492059	1.04	
86 Benzidine	184	13.597	13.599	-0.002	20704	1.00	
85 Pyrene	202	13.837	13.839	-0.002	524856	1.00	
89 Butyl benzyl phthalate	149	14.775	14.777	-0.002	230558	1.05	
92 Bis(2-ethylhexyl) phthalate	149	15.795	15.797	-0.002	331702	1.02	
91 3,3'-Dichlorobenzidine	252	15.824	15.830	-0.006	202676	1.08	
93 Benzo[a]anthracene	228	15.910	15.917	-0.007	348958	1.05	
94 Chrysene	228	15.973	15.974	-0.001	336931	1.01	
95 Di-n-octyl phthalate	149	16.857	16.864	-0.007	473949	0.9484	
97 Benzo[b]fluoranthene	252	17.795	17.807	-0.012	299029	1.02	
98 Benzo[k]fluoranthene	252	17.848	17.860	-0.012	271010	1.02	
99 Benzo[a]pyrene	252	18.502	18.489	0.013	214175	1.09	
100 Indeno[1,2,3-cd]pyrene	276	21.407	21.425	-0.018	160234	1.13	
101 Dibenz(a,h)anthracene	278	21.435	21.428	0.007	124355	1.00	
102 Benzo[g,h,i]perylene	276	22.272	22.269	0.003	147072	1.05	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Sep-2009 12:46:13 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-1.b\B10365.D

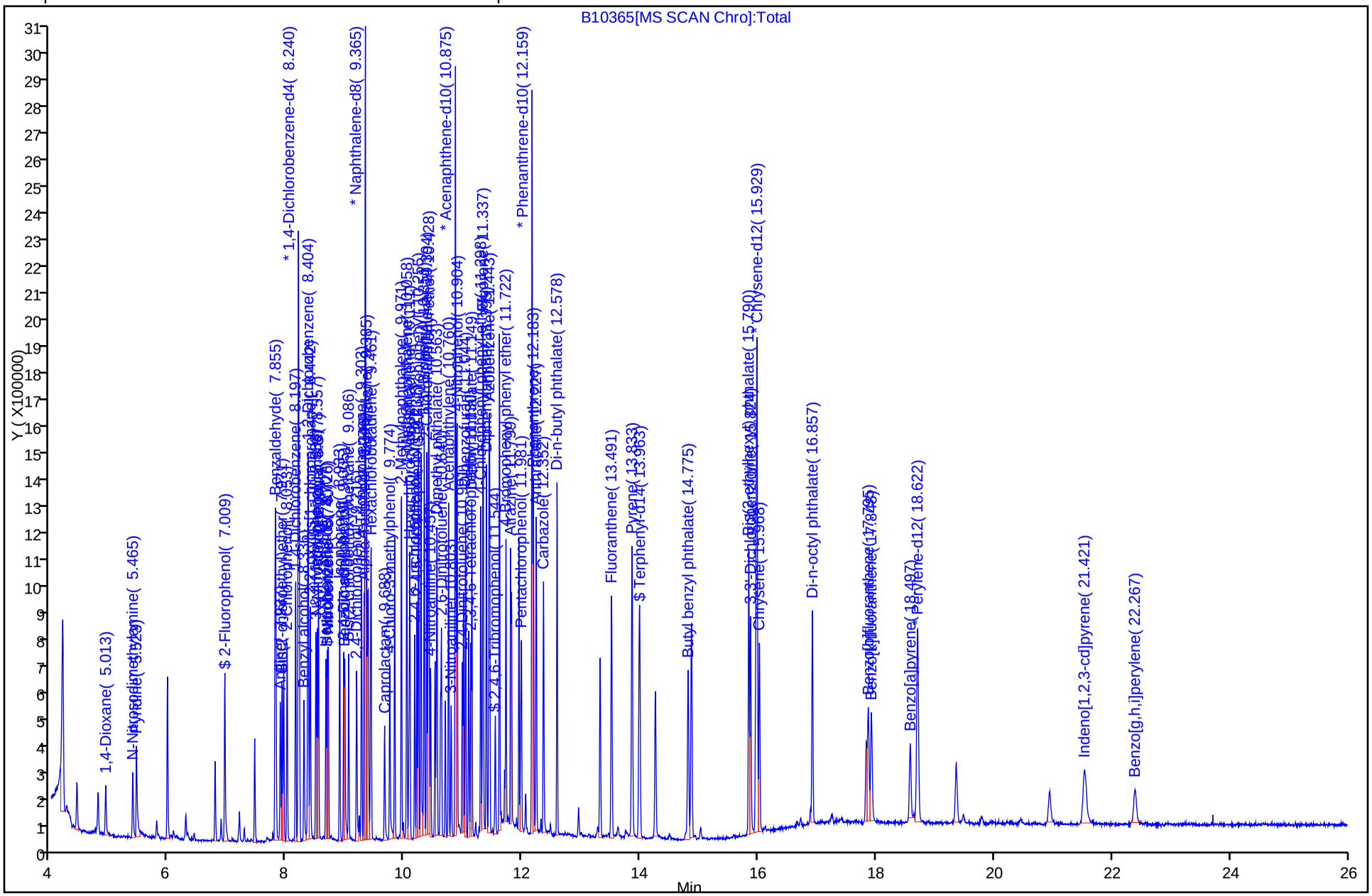
Inj Date: 17-Sep-2009 15:16:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49097 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: std1

Sample Amount: 2.00 uL Operator: MZ



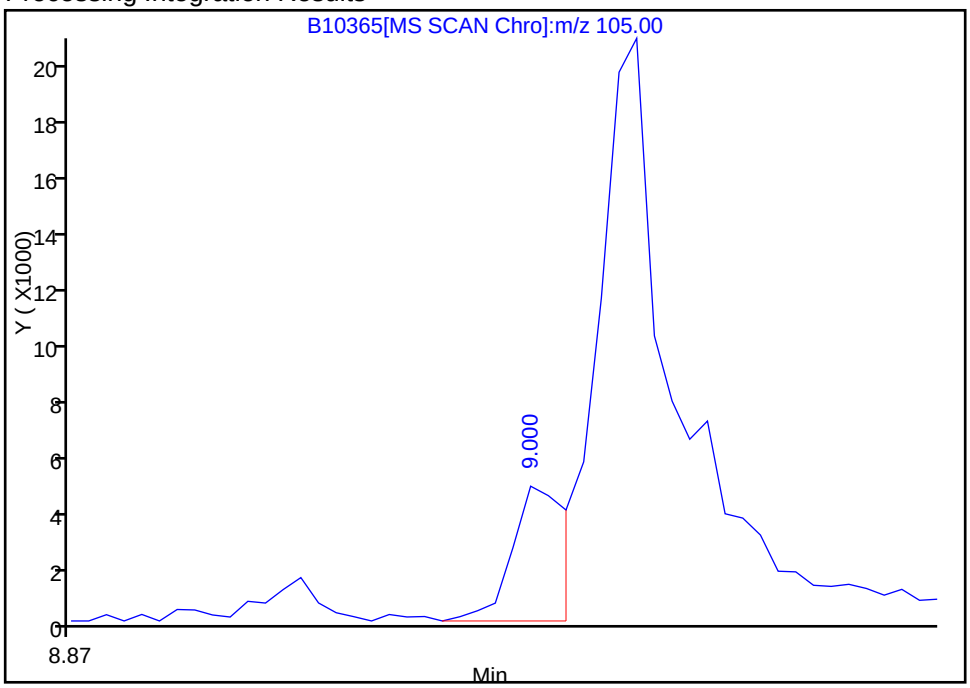
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10365.D		
Inj Date:	17-Sep-2009 15:16:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	std1		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 9.03

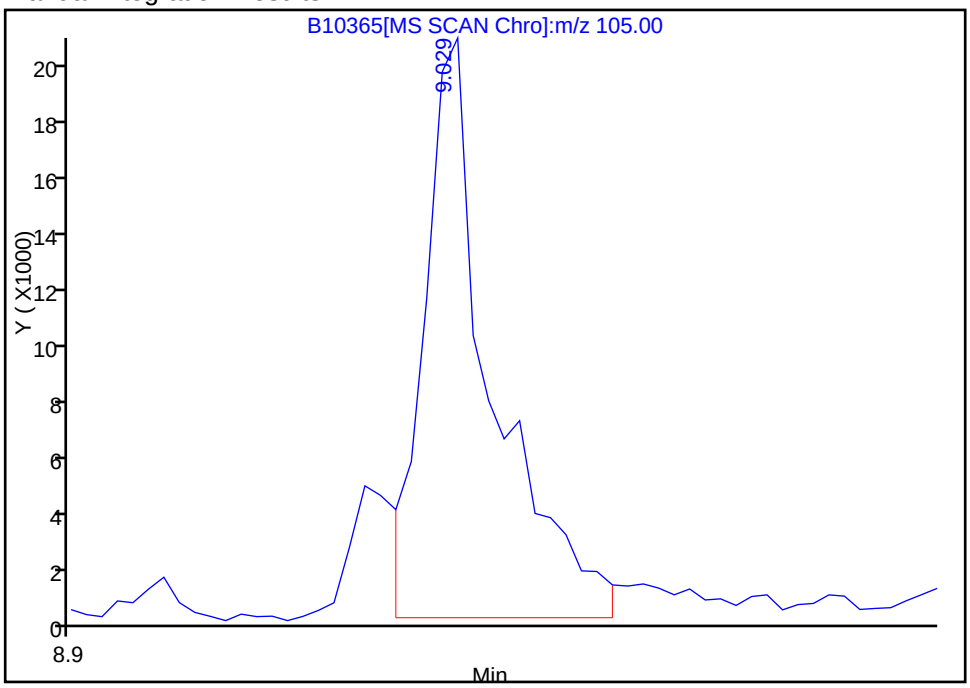
Processing Integration Results

RT: 9.00
Response: 4931
Amount: 1.000000



Manual Integration Results

RT: 9.03
Response: 31017
Amount: 1.189922



Reviewer: sullivanp, 18-Sep-2009 12:46:12
Audit Action: Manually Integrated
Audit Reason: Wrong peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10366.D		
Lims ID:	STD25	Client ID:	
Inject. Date:	17-Sep-2009 15:50:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	std25		
Misc. Info.:	360-0001207-007		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	7
Lims Batch ID:	49097	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\8270B.m		
Last Update:	18-Sep-2009 12:47:08	Calib Date:	17-Sep-2009 15:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10366.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 18-Sep-2009 12:47:08

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.243	8.242	0.001	555517	2.00	
* 2 Naphthalene-d8	136	9.364	9.367	-0.003	1342563	2.00	
* 3 Acenaphthene-d10	164	10.874	10.877	-0.003	599950	2.00	
* 4 Phenanthrene-d10	188	12.162	12.161	0.001	972364	2.00	
* 5 Chrysene-d12	240	15.932	15.936	-0.004	694167	2.00	
* 6 Perylene-d12	264	18.625	18.629	-0.004	464363	2.00	
$ 7 2-Fluorophenol	112	7.007	7.006	0.001	403912	2.47	
$ 8 Phenol-d5	99	7.854	7.857	-0.003	477036	2.47	
$ 9 Nitrobenzene-d5	82	8.729	8.728	0.001	472541	2.43	
$ 10 2-Fluorobiphenyl	172	10.258	10.257	0.001	938595	2.42	
$ 11 2,4,6-Tribromophenol	330	11.547	11.546	0.001	73599	2.55	
$ 12 Terphenyl-d14	244	13.961	13.964	-0.003	675272	2.46	
14 1,4-Dioxane	88	5.007	5.001	0.006	168429	2.69	
15 N-Nitrosodimethylamine	42	5.459	5.458	0.001	287892	2.35	
16 Pyridine	79	5.517	5.511	0.006	395610	2.82	
17 Benzaldehyde	105	7.854	7.852	0.002	178471	2.30	
18 Phenol	94	7.868	7.867	0.001	502167	2.44	
19 Aniline	93	7.940	7.939	0.001	487410	2.57	
20 Bis(2-chloroethyl)ether	93	7.969	7.968	0.001	421043	2.39	
21 2-Chlorophenol	128	8.056	8.054	0.002	429741	2.51	
22 1,4-Dichlorobenzene	146	8.195	8.194	0.001	508019	2.37	
23 1,3-Dichlorobenzene	146	8.258	8.256	0.002	522961	2.33	
24 Benzyl alcohol	79	8.334	8.333	0.001	306136	2.58	
25 1,2-Dichlorobenzene	146	8.402	8.401	0.001	482589	2.33	
26 2-Methylphenol	108	8.411	8.410	0.001	388958	2.43	
27 2,2'-oxybis[1-chloropropane]	45	8.440	8.439	0.001	757236	2.39	
28 3 & 4 Methylphenol	108	8.536	8.540	-0.004	393297	2.53	
29 N-Nitrosodi-n-propylamine	70	8.561	8.559	0.001	293217	2.56	
30 Acetophenone	105	8.580	8.579	0.001	579899	2.45	
31 Hexachloroethane	117	8.705	8.704	0.001	180795	2.45	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.743	8.742	0.001	460162	2.42	
33 Isophorone	82	8.936	8.934	0.002	779188	2.56	
35 2,4-Dimethylphenol	107	9.003	9.002	0.001	325410	2.31	
34 2-Nitrophenol	139	9.017	9.021	-0.004	231771	2.67	
36 Benzoic acid	105	9.037	9.037	0.000	62854	2.32	
37 Bis(2-chloroethoxy)methane	93	9.085	9.083	0.002	453365	2.35	
38 2,4-Dichlorophenol	162	9.219	9.218	0.001	334589	2.55	
39 1,2,4-Trichlorobenzene	180	9.301	9.300	0.001	398892	2.36	
40 Alpha-Terpineol	59	9.344	9.343	0.001	352246	2.49	
41 Naphthalene	128	9.383	9.386	-0.003	1324484	2.30	
42 4-Chloroaniline	127	9.402	9.402	0.000	590776	2.38	
43 Hexachlorobutadiene	225	9.465	9.463	0.002	196620	2.39	
44 Caprolactam	55	9.691	9.699	-0.008	185761	2.56	
45 4-Chloro-3-methylphenol	107	9.772	9.776	-0.004	334289	2.67	
46 2-Methylnaphthalene	142	9.969	9.968	0.001	826810	2.31	
47 1-Methylnaphthalene	142	10.061	10.060	0.001	843686	2.35	
48 Hexachlorocyclopentadiene	237	10.095	10.098	-0.003	108969	2.64	
49 1,2,4,5-Tetrachlorobenzene	216	10.114	10.113	0.001	341135	2.31	
50 2,4,6-Trichlorophenol	196	10.191	10.194	-0.003	212841	2.55	
51 2,4,5-Trichlorophenol	196	10.229	10.233	-0.004	237189	2.74	
52 1,1'-Biphenyl	154	10.354	10.353	0.001	1026371	2.40	
53 2-Chloronaphthalene	162	10.397	10.396	0.001	991178	2.49	
54 Phenyl ether	170	10.431	10.435	-0.004	561581	2.33	
68 4-Nitroaniline	138	10.460	10.459	0.001	265273	2.77	
56 Dimethyl phthalate	163	10.571	10.569	0.002	899931	2.44	
57 2,6-Dinitrotoluene	165	10.643	10.642	0.001	211418	2.66	
58 Acenaphthylene	152	10.763	10.762	0.001	1239277	2.56	
59 3-Nitroaniline	138	10.806	10.805	0.001	184936	2.54	
60 2,4-Dinitrophenol	184	10.888	10.887	0.001	36557	2.90	
62 4-Nitrophenol	109	10.893	10.896	-0.003	102703	2.41	
61 Acenaphthene	153	10.902	10.906	-0.004	831757	2.43	
63 2,4-Dinitrotoluene	165	10.989	10.993	-0.004	255511	2.55	
64 Dibenzofuran	168	11.047	11.045	0.002	1088756	2.44	
65 2,3,4,6-Tetrachlorophenol	232	11.133	11.137	-0.004	168793	2.82	
66 Diethyl phthalate	149	11.152	11.151	0.001	912703	2.41	
67 4-Chlorophenyl phenyl ether	204	11.302	11.300	0.002	396952	2.40	
55 2-Nitroaniline	65	11.330	11.334	-0.004	194709	2.52	
69 Fluorene	166	11.340	11.339	0.001	910631	2.48	
70 4,6-Dinitro-2-methylphenol	198	11.345	11.344	0.001	68038	2.54	
71 Diphenylamine	169	11.393	11.397	-0.003	771472	2.55	
72 N-Nitrosodiphenylamine	169	11.393	11.397	-0.003	771472	2.55	
73 1,2-Diphenylhydrazine	77	11.441	11.440	0.001	1433085	2.60	
74 Azobenzene	77	11.441	11.440	0.001	1433085	2.60	
13 Benzophenone	105	11.451	11.449	0.002	870429	2.55	
75 4-Bromophenyl phenyl ether	248	11.725	11.724	0.001	206935	2.52	
77 Atrazine	200	11.802	11.800	0.002	219470	2.63	
76 Hexachlorobenzene	284	11.816	11.820	-0.004	191406	2.47	
78 Pentachlorophenol	266	11.970	11.969	0.001	82480	2.50	
79 Pentachloronitrobenzene	237	11.980	11.983	-0.003	88783	2.81	
80 Phenanthrene	178	12.182	12.185	-0.003	1214842	2.42	
81 Anthracene	178	12.230	12.233	-0.003	1183352	2.58	
83 Carbazole	167	12.355	12.353	0.002	900054	2.43	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.581	12.579	0.002	1457333	2.37	
87 Fluoranthene	202	13.494	13.493	0.001	1100287	2.54	
86 Benzidine	184	13.600	13.599	0.001	234491	2.50	
85 Pyrene	202	13.836	13.839	-0.003	1160447	2.50	
89 Butyl benzyl phthalate	149	14.778	14.777	0.001	553610	2.79	
92 Bis(2-ethylhexyl) phthalate	149	15.793	15.797	-0.004	797585	2.72	
91 3,3'-Dichlorobenzidine	252	15.827	15.830	-0.003	473555	2.69	
93 Benzo[a]anthracene	228	15.913	15.917	-0.004	763930	2.59	
94 Chrysene	228	15.971	15.974	-0.003	710517	2.43	
95 Di-n-octyl phthalate	149	16.861	16.864	-0.004	1186359	2.61	
97 Benzo[b]fluoranthene	252	17.798	17.807	-0.009	631724	2.53	
98 Benzo[k]fluoranthene	252	17.851	17.860	-0.009	588789	2.57	
99 Benzo[a]pyrene	252	18.500	18.500	0.000	463227	2.71	
100 Indeno[1,2,3-cd]pyrene	276	21.419	21.419	0.000	321335	2.62	
101 Dibenz(a,h)anthracene	278	21.438	21.438	0.000	254362	2.68	
102 Benzo[g,h,i]perylene	276	22.275	22.275	0.000	279465	2.37	

Report Date: 18-Sep-2009 12:47:09 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-1.b\B10366.D

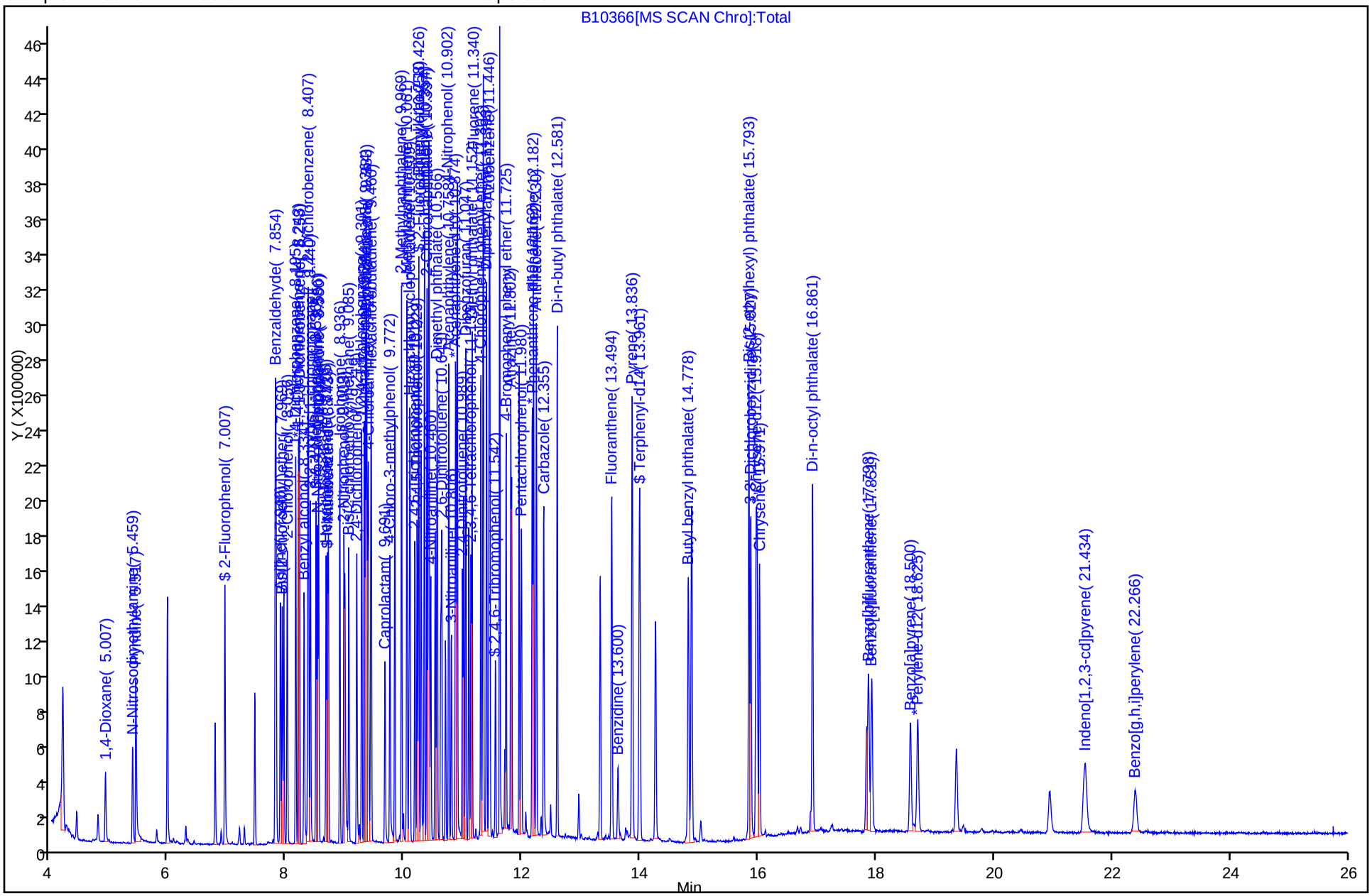
Inj Date: 17-Sep-2009 15:50:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49097 Lims Sample ID: 7

Client ID: Instrument: Inst. B

Sample Info: std25

Sample Amount: 2.00 uL Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10367.D		
Lims ID:	STD8	Client ID:	
Inject. Date:	17-Sep-2009 16:24:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	std8		
Misc. Info.:	360-0001207-008		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	8
Lims Batch ID:	49097	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\8270B.m		
Last Update:	18-Sep-2009 12:48:17	Calib Date:	17-Sep-2009 16:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10367.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 18-Sep-2009 12:48:17

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.244	8.242	0.002	667874	2.00	
* 2 Naphthalene-d8	136	9.364	9.367	-0.003	1611269	2.00	
* 3 Acenaphthene-d10	164	10.874	10.877	-0.003	564372	2.00	
* 4 Phenanthrene-d10	188	12.163	12.161	0.002	941132	2.00	
* 5 Chrysene-d12	240	15.933	15.936	-0.003	730496	2.00	
* 6 Perylene-d12	264	18.631	18.629	0.002	465081	2.00	
$ 7 2-Fluorophenol	112	7.008	7.006	0.002	1319197	6.87	
$ 8 Phenol-d5	99	7.859	7.857	0.002	1603683	7.04	
$ 9 Nitrobenzene-d5	82	8.730	8.728	0.002	1553989	6.83	
$ 10 2-Fluorobiphenyl	172	10.259	10.257	0.002	3029265	8.25	
$ 11 2,4,6-Tribromophenol	330	11.548	11.546	0.002	256395	8.80	
$ 12 Terphenyl-d14	244	13.966	13.964	0.002	2318686	8.04	
14 1,4-Dioxane	88	4.998	5.001	-0.003	506293	7.45	
15 N-Nitrosodimethylamine	42	5.460	5.458	0.002	935432	6.55	
16 Pyridine	79	5.503	5.511	-0.008	1205742	7.29	
17 Benzaldehyde	105	7.854	7.852	0.002	554881	6.87	
18 Phenol	94	7.869	7.867	0.002	1661732	6.88	
19 Aniline	93	7.941	7.939	0.002	1813335	7.86	
20 Bis(2-chloroethyl)ether	93	7.970	7.968	0.002	1372274	6.66	
21 2-Chlorophenol	128	8.056	8.054	0.002	1404542	6.96	
22 1,4-Dichlorobenzene	146	8.196	8.194	0.002	1640958	6.55	
23 1,3-Dichlorobenzene	146	8.258	8.256	0.002	1704169	6.52	
24 Benzyl alcohol	79	8.335	8.333	0.002	1117871	7.82	
25 1,2-Dichlorobenzene	146	8.403	8.401	0.002	1570075	6.51	
26 2-Methylphenol	108	8.412	8.410	0.002	1310056	6.95	
27 2,2'-oxybis[1-chloropropane]	45	8.441	8.439	0.002	2423036	6.56	
28 3 & 4 Methylphenol	108	8.542	8.540	0.002	1328716	7.22	
29 N-Nitrosodi-n-propylamine	70	8.561	8.559	0.002	966076	7.15	
30 Acetophenone	105	8.581	8.579	0.001	1902902	6.86	
31 Hexachloroethane	117	8.706	8.704	0.002	591827	6.84	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.749	8.742	0.007	1501897	6.75	
33 Isophorone	82	8.936	8.934	0.002	2568103	7.15	
35 2,4-Dimethylphenol	107	9.004	9.002	0.002	1131082	6.84	
34 2-Nitrophenol	139	9.023	9.021	0.002	776340	7.52	
36 Benzoic acid	105	9.061	9.029	0.032	678579	17.1	
37 Bis(2-chloroethoxy)methane	93	9.085	9.083	0.002	1496397	6.64	
38 2,4-Dichlorophenol	162	9.220	9.218	0.002	1116628	7.21	
39 1,2,4-Trichlorobenzene	180	9.302	9.300	0.002	1270766	6.47	
40 Alpha-Terpineol	59	9.345	9.343	0.002	1211688	7.25	
41 Naphthalene	128	9.384	9.386	-0.002	4290666	6.41	
42 4-Chloroaniline	127	9.403	9.403	0.000	2186641	7.59	
43 Hexachlorobutadiene	225	9.465	9.463	0.002	655922	6.81	
44 Caprolactam	55	9.711	9.699	0.012	643437	7.48	
45 4-Chloro-3-methylphenol	107	9.778	9.776	0.002	1142519	7.66	
46 2-Methylnaphthalene	142	9.970	9.968	0.002	2680811	6.44	
47 1-Methylnaphthalene	142	10.062	10.060	0.002	2725061	6.52	
48 Hexachlorocyclopentadiene	237	10.095	10.098	-0.003	392629	9.76	
49 1,2,4,5-Tetrachlorobenzene	216	10.115	10.113	0.002	1130283	6.58	
50 2,4,6-Trichlorophenol	196	10.196	10.194	0.002	744567	9.23	
51 2,4,5-Trichlorophenol	196	10.235	10.233	0.002	789247	9.40	
52 1,1'-Biphenyl	154	10.355	10.353	0.002	3336570	8.24	
53 2-Chloronaphthalene	162	10.398	10.396	0.002	3050213	8.13	
54 Phenyl ether	170	10.432	10.435	-0.003	1912520	6.79	
68 4-Nitroaniline	138	10.466	10.459	0.007	899656	8.78	
56 Dimethyl phthalate	163	10.571	10.569	0.002	2915514	8.33	
57 2,6-Dinitrotoluene	165	10.648	10.642	0.006	710031	9.26	
58 Acenaphthylene	152	10.764	10.762	0.002	3928950	8.54	
59 3-Nitroaniline	138	10.812	10.805	0.007	661794	9.15	
60 2,4-Dinitrophenol	184	10.889	10.887	0.002	209193	8.03	
62 4-Nitrophenol	109	10.898	10.896	0.002	393345	8.78	
61 Acenaphthene	153	10.908	10.906	0.002	2746360	8.44	
63 2,4-Dinitrotoluene	165	10.995	10.993	0.002	883581	8.95	
64 Dibenzofuran	168	11.047	11.045	0.002	3454006	8.20	
65 2,3,4,6-Tetrachlorophenol	232	11.139	11.137	0.002	574385	8.95	
66 Diethyl phthalate	149	11.158	11.151	0.007	2921961	8.17	
67 4-Chlorophenyl phenyl ether	204	11.302	11.300	0.002	1316936	8.40	
55 2-Nitroaniline	65	11.336	11.334	0.002	745351	8.04	
69 Fluorene	166	11.341	11.339	0.002	3067181	8.74	
70 4,6-Dinitro-2-methylphenol	198	11.346	11.344	0.002	324927	8.04	5
71 Diphenylamine	169	11.398	11.397	0.002	2526692	8.52	
72 N-Nitrosodiphenylamine	169	11.398	11.397	0.002	2526692	8.52	
73 1,2-Diphenylhydrazine	77	11.442	11.440	0.002	4735656	8.74	
74 Azobenzene	77	11.442	11.440	0.002	4735656	8.74	
13 Benzophenone	105	11.451	11.449	0.002	2915349	8.70	
75 4-Bromophenyl phenyl ether	248	11.725	11.724	0.001	690337	8.57	
77 Atrazine	200	11.807	11.800	0.007	752036	9.11	
76 Hexachlorobenzene	284	11.817	11.820	-0.003	645177	8.51	
78 Pentachlorophenol	266	11.971	11.969	0.002	354446	8.03	
79 Pentachloronitrobenzene	237	11.985	11.983	0.002	312197	9.83	
80 Phenanthrene	178	12.187	12.185	0.002	3921698	8.06	
81 Anthracene	178	12.235	12.233	0.002	3875499	8.63	
83 Carbazole	167	12.355	12.353	0.002	2983987	8.26	

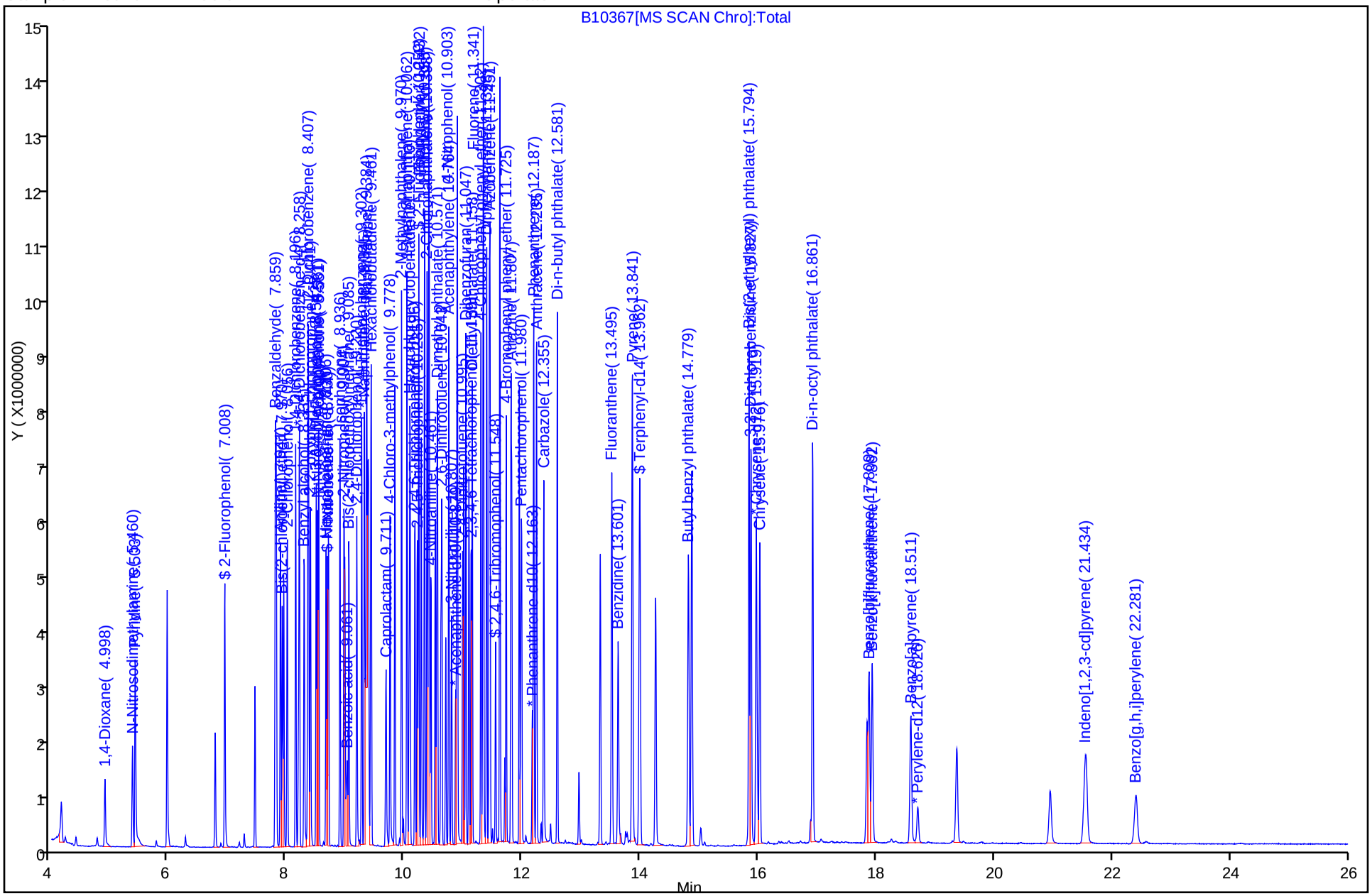
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.581	12.579	0.002	4624271	7.80	
87 Fluoranthene	202	13.495	13.493	0.002	3703110	8.69	
86 Benzidine	184	13.601	13.599	0.002	2037106	7.97	
85 Pyrene	202	13.841	13.839	0.002	3966146	8.11	
89 Butyl benzyl phthalate	149	14.779	14.777	0.002	1980609	9.23	
92 Bis(2-ethylhexyl) phthalate	149	15.799	15.797	0.002	2837194	9.01	
91 3,3'-Dichlorobenzidine	252	15.827	15.830	-0.003	1865893	8.73	
93 Benzo[a]anthracene	228	15.919	15.917	0.002	2698897	8.58	
94 Chrysene	228	15.976	15.974	0.002	2537600	8.21	
95 Di-n-octyl phthalate	149	16.861	16.864	-0.003	4433894	8.71	
97 Benzo[b]fluoranthene	252	17.809	17.807	0.002	2226902	8.76	
98 Benzo[k]fluoranthene	252	17.862	17.860	0.002	2179671	9.25	
99 Benzo[a]pyrene	252	18.511	18.489	0.022	1749996	9.83	
100 Indeno[1,2,3-cd]pyrene	276	21.425	21.425	0.000	1286487	10.0	
101 Dibenz(a,h)anthracene	278	21.449	21.428	0.021	1013729	8.59	
102 Benzo[g,h,i]perylene	276	22.281	22.269	0.012	1050341	8.75	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 18-Sep-2009 12:48:18 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10367.D		
Inj Date:	17-Sep-2009 16:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	8
Client ID:		Instrument:	Inst. B
Sample Info:	std8		
Sample Amount:	2.00 uL	Operator:	MZ

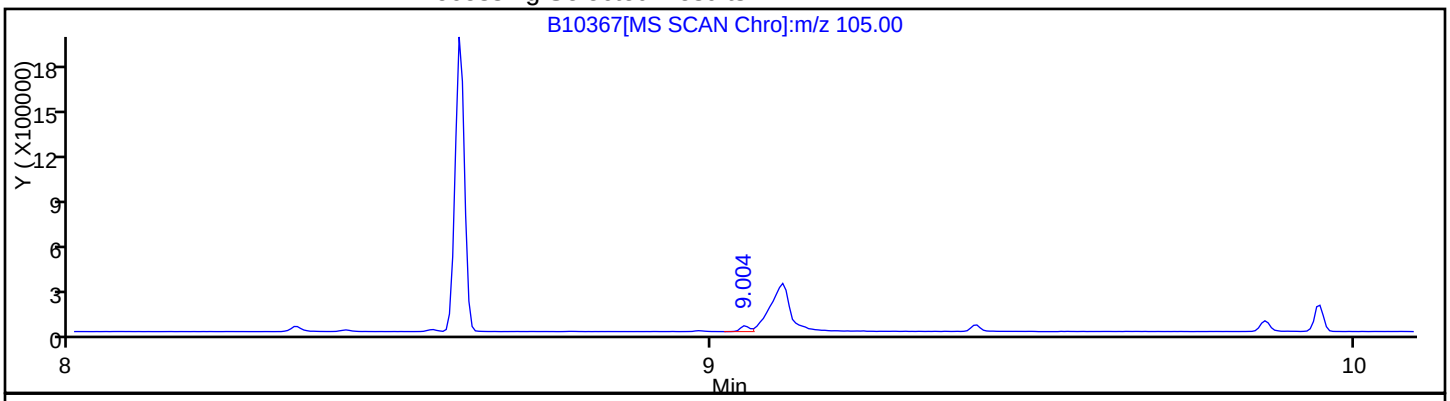


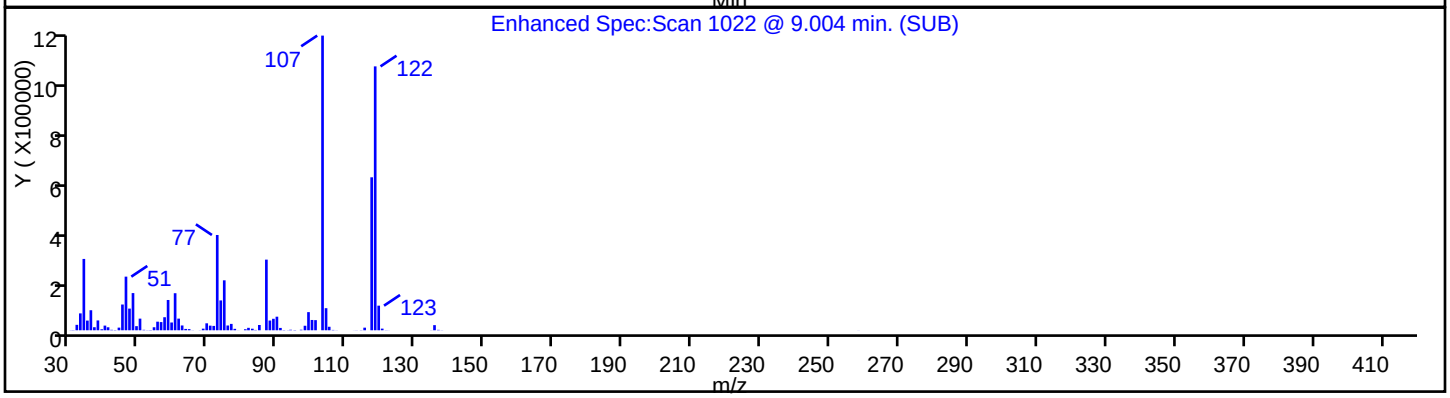
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10367.D		
Inj Date:	17-Sep-2009 16:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	8
Client ID:		Instrument:	Inst. B
Sample Info:	std8		
Sample Amount:	2.00 uL	Operator:	MZ

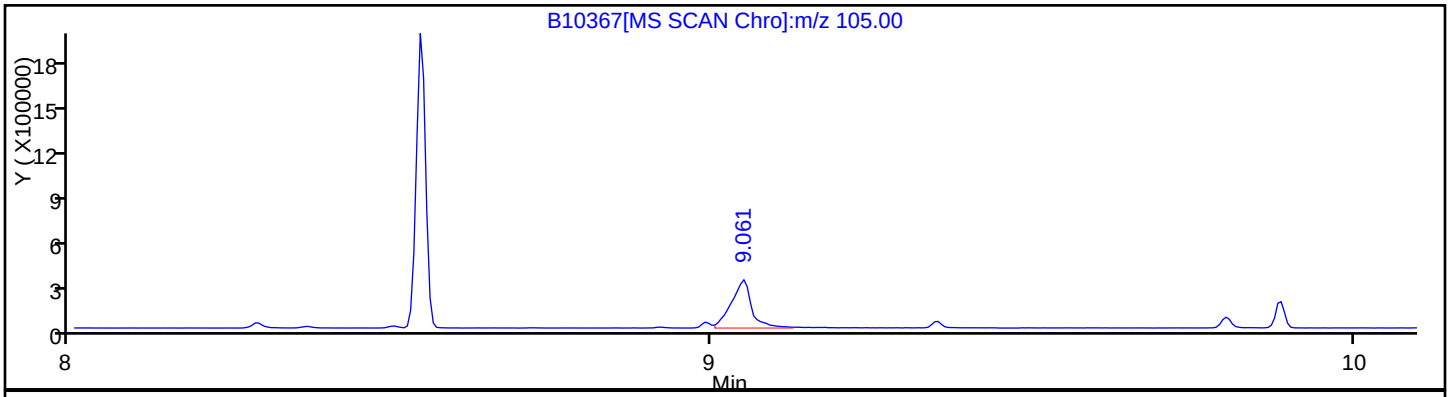
36 Benzoic acid

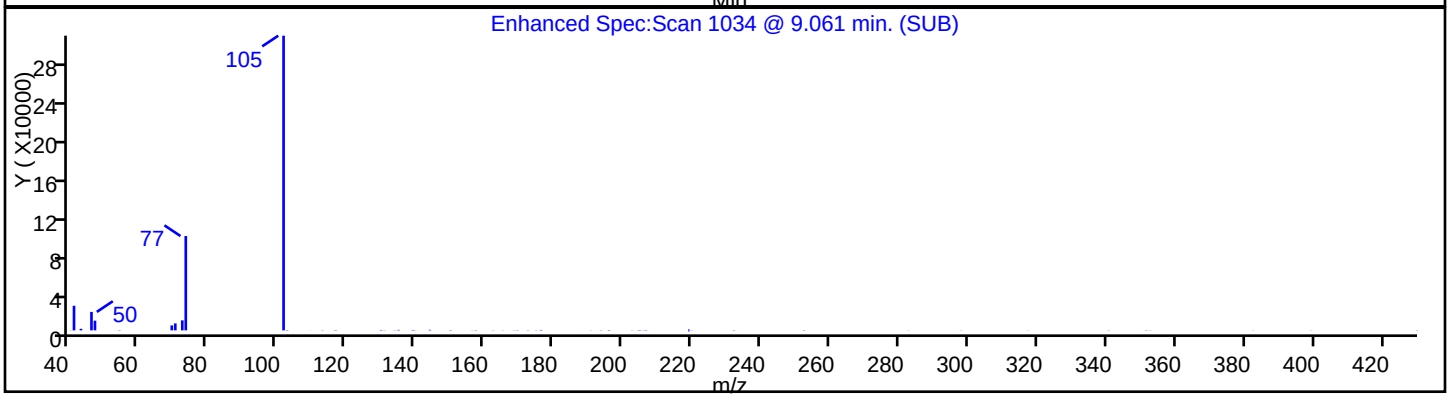
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 18-Sep-2009 12:48:17
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10368.D		
Lims ID:	STD10	Client ID:	
Inject. Date:	17-Sep-2009 16:58:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	std10		
Misc. Info.:	360-0001207-009		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	9
Lims Batch ID:	49097	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\8270B.m		
Last Update:	18-Sep-2009 12:49:22	Calib Date:	17-Sep-2009 16:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10368.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 18-Sep-2009 12:49:22

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.244	8.242	0.002	692427	2.00	
* 2 Naphthalene-d8	136	9.364	9.367	-0.003	1666997	2.00	
* 3 Acenaphthene-d10	164	10.879	10.877	0.002	530982	2.00	
* 4 Phenanthrene-d10	188	12.163	12.161	0.002	872924	2.00	
* 5 Chrysene-d12	240	15.933	15.936	-0.003	676956	2.00	
* 6 Perylene-d12	264	18.626	18.629	-0.003	421014	2.00	
$ 7 2-Fluorophenol	112	7.008	7.006	0.002	1634151	8.40	
$ 8 Phenol-d5	99	7.859	7.857	0.002	2014483	8.69	
$ 9 Nitrobenzene-d5	82	8.730	8.728	0.002	1944833	8.44	
$ 10 2-Fluorobiphenyl	172	10.259	10.257	0.002	3744672	10.7	
$ 11 2,4,6-Tribromophenol	330	11.548	11.546	0.002	311692	11.2	
$ 12 Terphenyl-d14	244	13.967	13.964	0.002	2789817	10.4	
14 1,4-Dioxane	88	5.003	5.001	0.002	655614	9.59	
15 N-Nitrosodimethylamine	42	5.465	5.458	0.007	1130377	7.87	
16 Pyridine	79	5.508	5.511	-0.003	1634379	9.59	
17 Benzaldehyde	105	7.855	7.852	0.003	604832	9.57	
18 Phenol	94	7.874	7.867	0.007	2062455	8.43	
19 Aniline	93	7.941	7.939	0.002	2320633	9.80	
20 Bis(2-chloroethyl)ether	93	7.975	7.968	0.007	1629538	7.86	
21 2-Chlorophenol	128	8.056	8.054	0.002	1747858	8.53	
22 1,4-Dichlorobenzene	146	8.196	8.194	0.002	2065314	8.16	
23 1,3-Dichlorobenzene	146	8.258	8.256	0.002	2131879	8.08	
24 Benzyl alcohol	79	8.340	8.333	0.007	1368875	9.51	
25 1,2-Dichlorobenzene	146	8.403	8.401	0.002	1962613	8.07	
26 2-Methylphenol	108	8.412	8.410	0.002	1678386	8.74	
27 2,2'-oxybis[1-chloropropane]	45	8.446	8.439	0.007	2965280	7.97	
28 3 & 4 Methylphenol	108	8.542	8.540	0.002	1644733	8.77	
29 N-Nitrosodi-n-propylamine	70	8.566	8.559	0.007	1205223	8.75	
30 Acetophenone	105	8.581	8.579	0.002	2345450	8.35	
31 Hexachloroethane	117	8.706	8.704	0.002	752201	8.56	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.749	8.742	0.007	1865488	8.30	
33 Isophorone	82	8.941	8.934	0.007	3133256	8.60	
35 2,4-Dimethylphenol	107	9.009	9.002	0.007	1372933	8.23	
34 2-Nitrophenol	139	9.023	9.021	0.002	966445	9.16	
36 Benzoic acid	105	9.071	9.029	0.042	933535	18.7	
37 Bis(2-chloroethoxy)methane	93	9.090	9.083	0.007	1818856	8.02	
38 2,4-Dichlorophenol	162	9.220	9.218	0.002	1393311	8.84	
39 1,2,4-Trichlorobenzene	180	9.302	9.300	0.002	1563071	7.92	
40 Alpha-Terpineol	59	9.350	9.343	0.007	1529312	8.98	
41 Naphthalene	128	9.389	9.386	0.003	5158729	7.69	
42 4-Chloroaniline	127	9.403	9.403	0.000	2648983	9.28	
43 Hexachlorobutadiene	225	9.465	9.463	0.002	824926	8.46	
44 Caprolactam	55	9.716	9.699	0.017	783771	8.94	
45 4-Chloro-3-methylphenol	107	9.778	9.776	0.002	1403034	9.20	
46 2-Methylnaphthalene	142	9.970	9.968	0.002	3294345	7.88	
47 1-Methylnaphthalene	142	10.062	10.060	0.002	3347822	7.97	
48 Hexachlorocyclopentadiene	237	10.095	10.098	-0.003	476123	12.2	
49 1,2,4,5-Tetrachlorobenzene	216	10.115	10.113	0.002	1410820	8.15	
50 2,4,6-Trichlorophenol	196	10.196	10.194	0.002	919004	11.8	
51 2,4,5-Trichlorophenol	196	10.235	10.233	0.002	940790	11.6	
52 1,1'-Biphenyl	154	10.355	10.353	0.002	4050621	10.5	
53 2-Chloronaphthalene	162	10.398	10.396	0.002	3682172	10.4	
54 Phenyl ether	170	10.437	10.435	0.002	2367832	8.32	
68 4-Nitroaniline	138	10.466	10.459	0.007	1099549	11.1	
56 Dimethyl phthalate	163	10.576	10.569	0.007	3584012	10.8	
57 2,6-Dinitrotoluene	165	10.648	10.642	0.006	858991	11.6	
58 Acenaphthylene	152	10.764	10.762	0.002	4724854	10.8	
59 3-Nitroaniline	138	10.812	10.805	0.007	807274	10.6	
60 2,4-Dinitrophenol	184	10.894	10.887	0.007	287354	9.97	5
62 4-Nitrophenol	109	10.903	10.896	0.007	488521	11.1	
61 Acenaphthene	153	10.908	10.906	0.002	3380739	10.9	
63 2,4-Dinitrotoluene	165	10.999	10.993	0.006	1080736	11.3	
64 Dibenzofuran	168	11.048	11.045	0.003	4192421	10.5	
65 2,3,4,6-Tetrachlorophenol	232	11.139	11.137	0.002	698399	11.2	
66 Diethyl phthalate	149	11.158	11.151	0.007	3548316	10.5	
67 4-Chlorophenyl phenyl ether	204	11.302	11.300	0.002	1631429	10.9	
55 2-Nitroaniline	65	11.336	11.334	0.002	915865	9.94	
69 Fluorene	166	11.341	11.339	0.002	3731027	11.1	
70 4,6-Dinitro-2-methylphenol	198	11.351	11.344	0.007	434618	9.98	5
71 Diphenylamine	169	11.399	11.397	0.003	3095736	11.1	
72 N-Nitrosodiphenylamine	169	11.399	11.397	0.003	3095736	11.1	
73 1,2-Diphenylhydrazine	77	11.442	11.440	0.002	5695664	11.1	
74 Azobenzene	77	11.442	11.440	0.002	5695664	11.1	
13 Benzophenone	105	11.452	11.449	0.003	3575951	11.3	
75 4-Bromophenyl phenyl ether	248	11.726	11.724	0.002	861515	11.3	
77 Atrazine	200	11.807	11.800	0.007	913074	11.6	
76 Hexachlorobenzene	284	11.822	11.820	0.002	793463	11.1	
78 Pentachlorophenol	266	11.971	11.969	0.002	445687	9.96	
79 Pentachloronitrobenzene	237	11.985	11.983	0.002	375899	11.4	
80 Phenanthrene	178	12.187	12.185	0.002	4673648	10.3	
81 Anthracene	178	12.235	12.233	0.002	4620896	10.9	
83 Carbazole	167	12.356	12.353	0.003	3670272	10.8	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.582	12.579	0.003	5549485	10.1	
87 Fluoranthene	202	13.500	13.493	0.007	4397777	11.0	
86 Benzidine	184	13.606	13.599	0.007	2350353	9.96	
85 Pyrene	202	13.841	13.839	0.002	4707041	10.3	
89 Butyl benzyl phthalate	149	14.779	14.777	0.002	2366980	11.6	
92 Bis(2-ethylhexyl) phthalate	149	15.799	15.797	0.002	3432781	11.5	
91 3,3'-Dichlorobenzidine	252	15.832	15.830	0.002	2327344	10.0	
93 Benzo[a]anthracene	228	15.919	15.917	0.002	3206588	10.9	
94 Chrysene	228	15.977	15.974	0.003	3050175	10.6	
95 Di-n-octyl phthalate	149	16.866	16.864	0.002	5233237	10.8	
97 Benzo[b]fluoranthene	252	17.809	17.807	0.002	2679462	11.4	
98 Benzo[k]fluoranthene	252	17.862	17.860	0.002	2479062	11.4	
99 Benzo[a]pyrene	252	18.511	18.489	0.022	2013851	12.1	
100 Indeno[1,2,3-cd]pyrene	276	21.430	21.425	0.005	1319843	11.2	
101 Dibenz(a,h)anthracene	278	21.454	21.428	0.026	1057755	9.93	
102 Benzo[g,h,i]perylene	276	22.286	22.269	0.017	1066219	9.84	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 18-Sep-2009 12:49:23 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-1.b\B10368.D

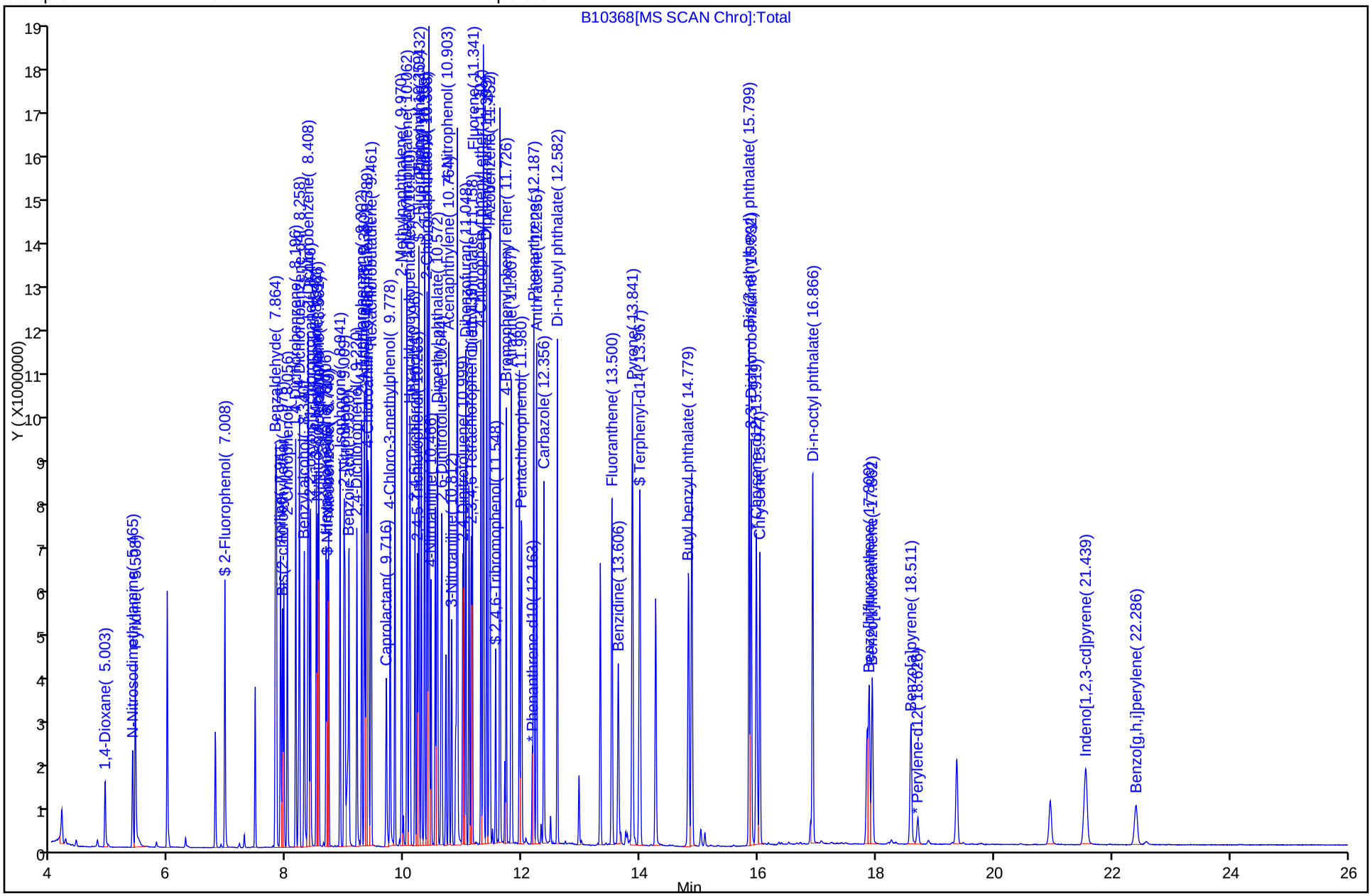
Inj Date: 17-Sep-2009 16:58:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49097 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: std10

Sample Amount: 2.00 uL Operator: MZ

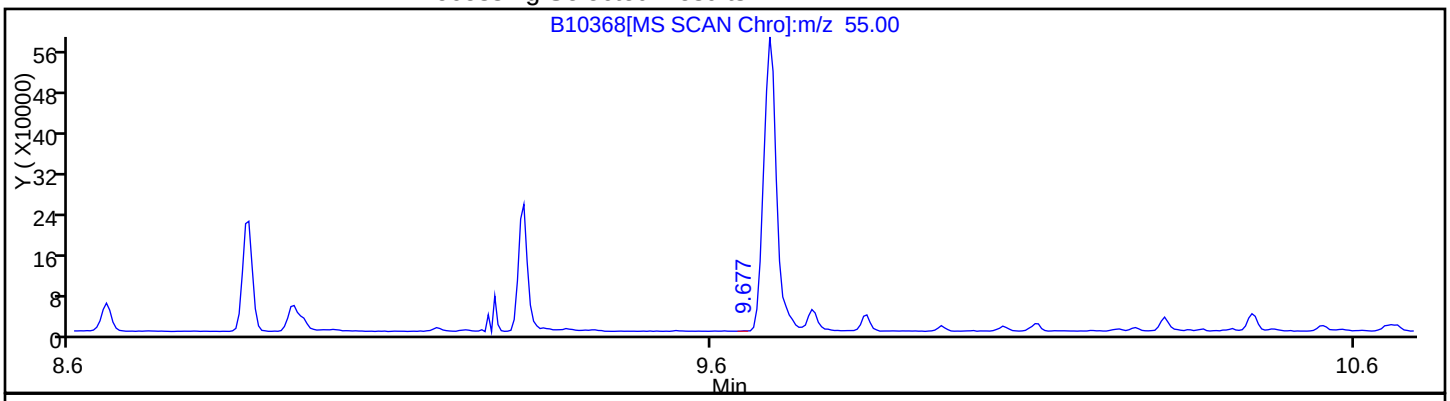


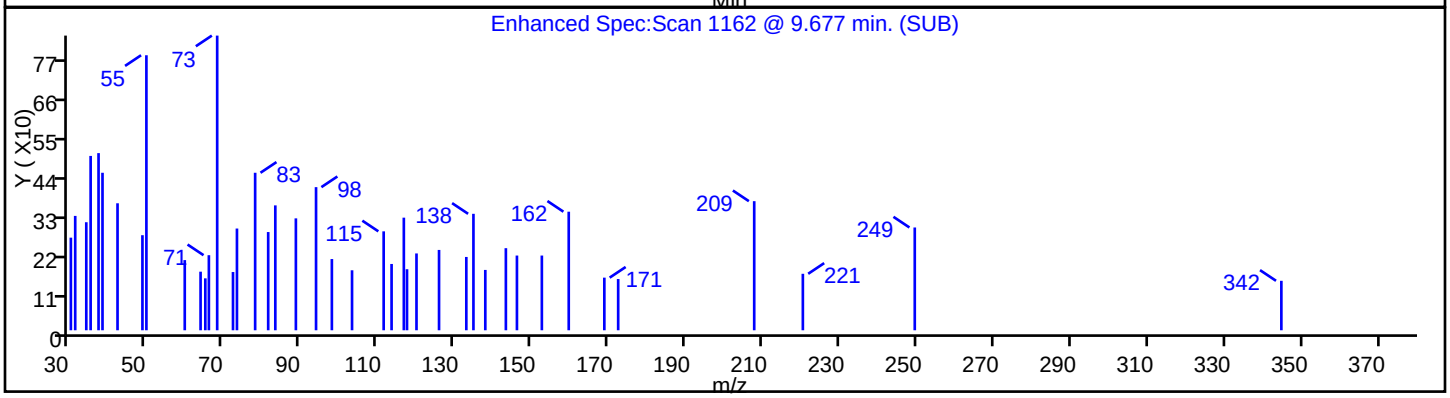
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10368.D		
Inj Date:	17-Sep-2009 16:58:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	2.00 uL	Operator:	MZ

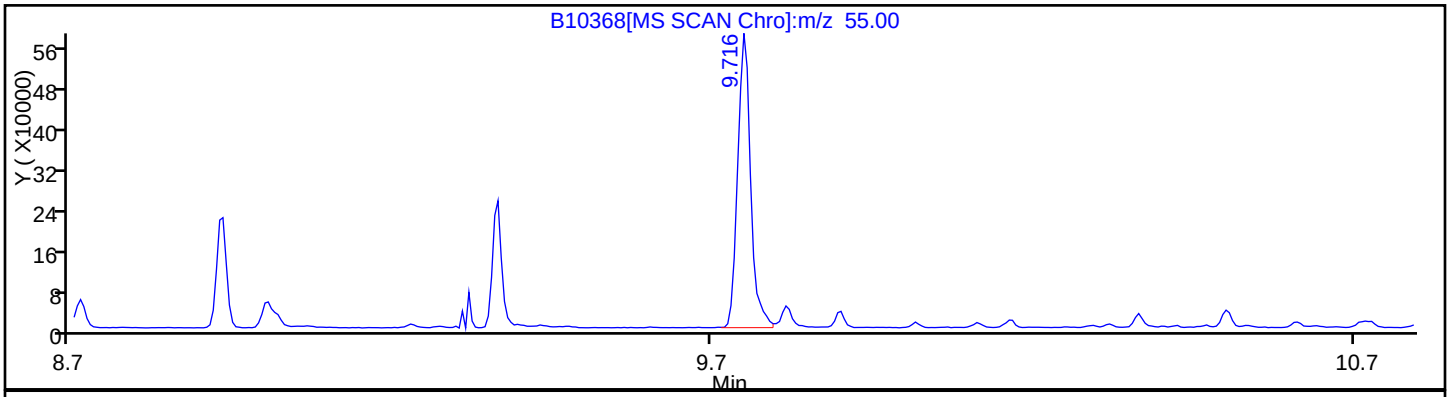
44 Caprolactam

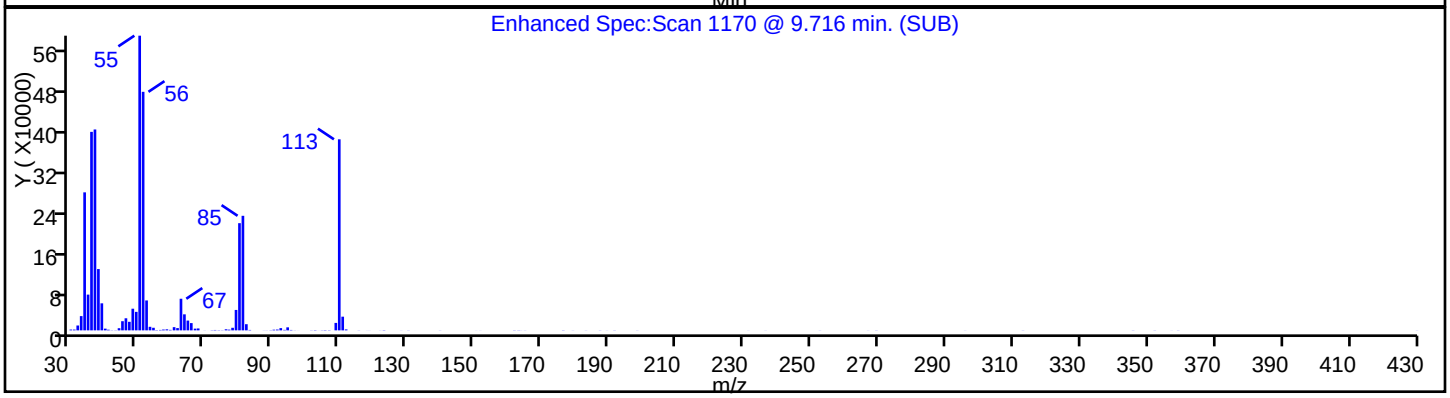
Processing Selected Results





Manual Selected Results





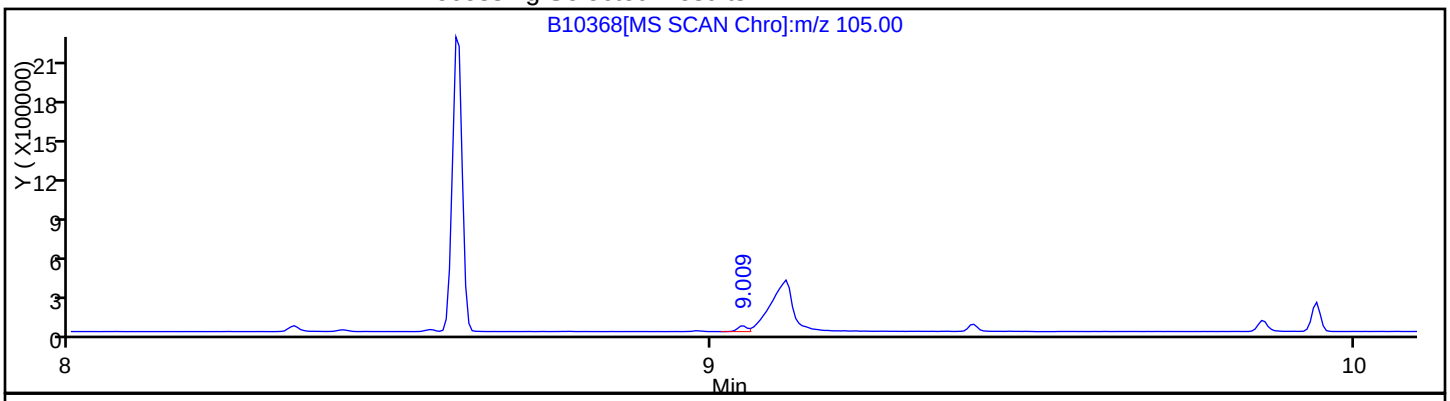
Reviewer: sullivanp, 18-Sep-2009 12:49:22
Audit Action: Selected Alternate Hit
Audit Reason:

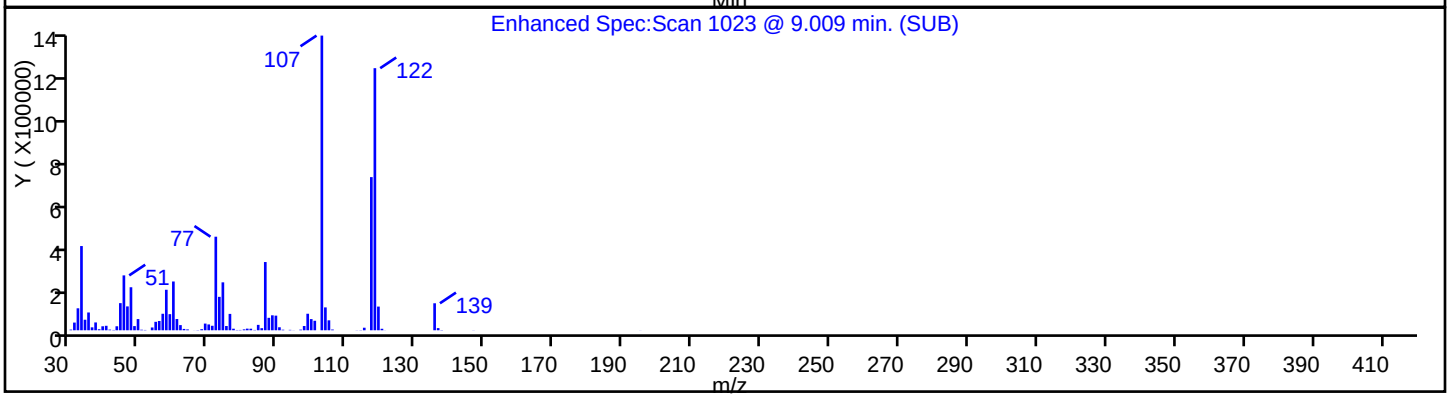
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10368.D		
Inj Date:	17-Sep-2009 16:58:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	2.00 uL	Operator:	MZ

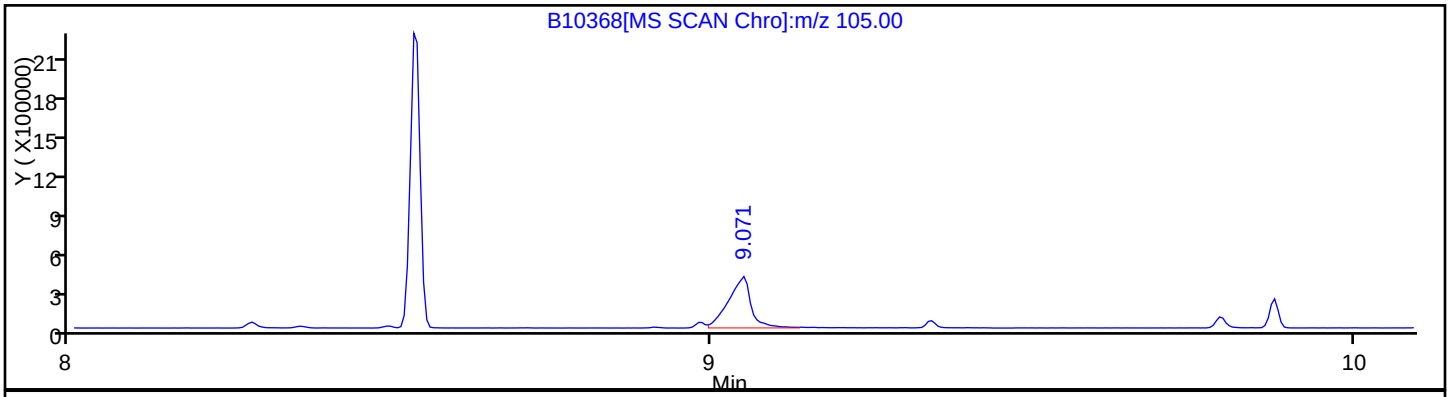
36 Benzoic acid

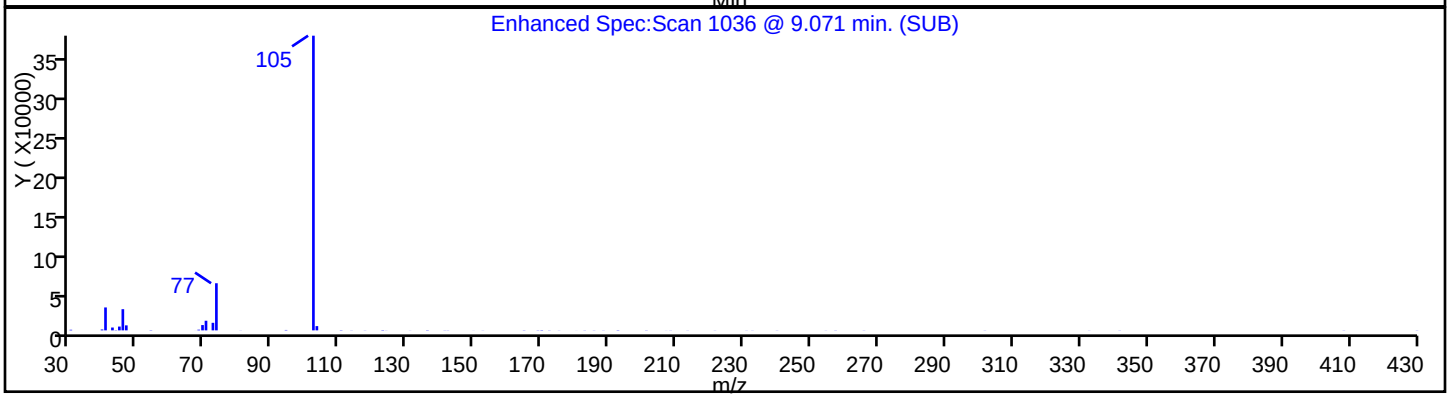
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 18-Sep-2009 12:49:22
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Lims ID:	STD20	Client ID:	
Inject. Date:	17-Sep-2009 17:32:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	std20		
Misc. Info.:	360-0001207-010		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	10
Lims Batch ID:	49097	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\8270B.m		
Last Update:	18-Sep-2009 12:55:21	Calib Date:	17-Sep-2009 17:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 18-Sep-2009 12:55:21

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.260	8.260	0.000	709107	2.00	
* 2 Naphthalene-d8	136	9.362	9.362	0.000	1686346	2.00	M
* 3 Acenaphthene-d10	164	10.881	10.877	0.004	667890	2.00	
* 4 Phenanthrene-d10	188	12.165	12.161	0.004	1105889	2.00	
* 5 Chrysene-d12	240	15.945	15.936	0.009	940855	2.00	
* 6 Perylene-d12	264	18.633	18.629	0.004	473667	2.00	
$ 7 2-Fluorophenol	112	7.010	7.006	0.004	4055637	20.3	
$ 8 Phenol-d5	99	7.871	7.857	0.014	5000460	20.9	
$ 9 Nitrobenzene-d5	82	8.737	8.728	0.009	4610481	19.8	
$ 10 2-Fluorobiphenyl	172	10.266	10.257	0.009	7778767	17.9	
$ 11 2,4,6-Tribromophenol	330	11.554	11.546	0.008	884632	21.9	
$ 12 Terphenyl-d14	244	13.978	13.964	0.014	7325256	19.6	
14 1,4-Dioxane	88	5.000	5.001	-0.001	1505109	20.9	
15 N-Nitrosodimethylamine	42	5.476	5.458	0.018	2724195	18.7	
16 Pyridine	79	5.510	5.511	-0.001	4011532	22.6	
17 Benzaldehyde	105	7.857	7.852	0.005	1481010	20.5	5
18 Phenol	94	7.885	7.867	0.018	5128337	20.4	
19 Aniline	93	7.948	7.939	0.009	5840723	22.0	
20 Bis(2-chloroethyl)ether	93	7.982	7.968	0.014	4027317	19.1	
21 2-Chlorophenol	128	8.058	8.054	0.004	4291575	20.4	
22 1,4-Dichlorobenzene	146	8.198	8.194	0.004	4932957	19.1	
23 1,3-Dichlorobenzene	146	8.260	8.256	0.004	5057026	18.8	
24 Benzyl alcohol	79	8.347	8.333	0.014	3543768	22.0	
25 1,2-Dichlorobenzene	146	8.405	8.401	0.004	4740531	19.1	
26 2-Methylphenol	108	8.419	8.410	0.009	4195430	21.2	
27 2,2'-oxybis[1-chloropropane]	45	8.448	8.439	0.009	6706808	17.8	
28 3 & 4 Methylphenol	108	8.554	8.540	0.014	4167441	21.5	
29 N-Nitrosodi-n-propylamine	70	8.578	8.559	0.019	3070492	21.6	
30 Acetophenone	105	8.587	8.579	0.008	5730694	19.9	
31 Hexachloroethane	117	8.708	8.704	0.004	1881202	20.8	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.756	8.742	0.014	4542361	20.0	
33 Isophorone	82	8.948	8.934	0.014	7373131	20.0	
35 2,4-Dimethylphenol	107	9.015	9.002	0.013	3724951	21.8	
34 2-Nitrophenol	139	9.025	9.021	0.004	2569118	23.5	
36 Benzoic acid	105	9.112	9.029	0.083	3235296	20.0	
37 Bis(2-chloroethoxy)methane	93	9.092	9.083	0.009	4512549	19.7	
38 2,4-Dichlorophenol	162	9.227	9.218	0.009	3509565	21.8	
39 1,2,4-Trichlorobenzene	180	9.304	9.300	0.004	3877263	19.5	
40 Alpha-Terpineol	59	9.352	9.343	0.009	3734558	21.5	
41 Naphthalene	128	9.391	9.386	0.005	9906893	19.5	
42 4-Chloroaniline	127	9.410	9.403	0.007	5630761	19.7	
43 Hexachlorobutadiene	225	9.467	9.463	0.004	2036900	20.6	
44 Caprolactam	55	9.742	9.699	0.043	1858961	20.8	
45 4-Chloro-3-methylphenol	107	9.790	9.776	0.014	3635104	23.1	
46 2-Methylnaphthalene	142	9.977	9.968	0.009	7241656	17.4	
47 1-Methylnaphthalene	142	10.064	10.060	0.004	7245460	17.3	
48 Hexachlorocyclopentadiene	237	10.097	10.098	-0.001	1236942	22.7	
49 1,2,4,5-Tetrachlorobenzene	216	10.117	10.113	0.004	3435467	19.7	
50 2,4,6-Trichlorophenol	196	10.203	10.194	0.009	2412161	24.0	
51 2,4,5-Trichlorophenol	196	10.242	10.233	0.009	2543867	24.3	
52 1,1'-Biphenyl	154	10.362	10.353	0.009	8182861	17.2	
53 2-Chloronaphthalene	162	10.405	10.396	0.009	8582089	19.3	
54 Phenyl ether	170	10.439	10.435	0.004	5352705	18.7	
68 4-Nitroaniline	138	10.473	10.459	0.013	2836739	22.3	
56 Dimethyl phthalate	163	10.583	10.569	0.014	8262196	19.8	
57 2,6-Dinitrotoluene	165	10.655	10.642	0.013	2266608	23.8	
58 Acenaphthylene	152	10.771	10.762	0.009	9229139	17.1	
59 3-Nitroaniline	138	10.824	10.805	0.019	2157057	21.3	
60 2,4-Dinitrophenol	184	10.900	10.887	0.013	969497	20.0	
62 4-Nitrophenol	109	10.915	10.896	0.019	1295031	21.0	
61 Acenaphthene	153	10.910	10.906	0.004	7312683	18.9	
63 2,4-Dinitrotoluene	165	11.011	10.993	0.018	2915403	21.4	
64 Dibenzofuran	168	11.054	11.045	0.009	8564519	17.3	
65 2,3,4,6-Tetrachlorophenol	232	11.146	11.137	0.009	1934294	21.7	
66 Diethyl phthalate	149	11.165	11.151	0.014	7784173	18.4	
67 4-Chlorophenyl phenyl ether	204	11.304	11.300	0.004	4100005	21.6	
55 2-Nitroaniline	65	11.353	11.334	0.019	2528536	20.6	
69 Fluorene	166	11.348	11.339	0.009	7894654	18.8	
70 4,6-Dinitro-2-methylphenol	198	11.362	11.344	0.018	1365413	19.9	
71 Diphenylamine	169	11.405	11.397	0.009	7093378	20.0	
72 N-Nitrosodiphenylamine	169	11.405	11.397	0.009	7093378	20.0	
73 1,2-Diphenylhydrazine	77	11.449	11.440	0.009	11964451	18.6	
74 Azobenzene	77	11.449	11.440	0.009	11964451	18.6	
13 Benzophenone	105	11.463	11.449	0.014	8312039	20.6	
75 4-Bromophenyl phenyl ether	248	11.732	11.724	0.008	2223997	22.7	
77 Atrazine	200	11.814	11.800	0.014	2216910	22.0	
76 Hexachlorobenzene	284	11.824	11.820	0.004	2103424	22.8	
78 Pentachlorophenol	266	11.978	11.969	0.009	1352936	20.0	
79 Pentachloronitrobenzene	237	11.992	11.983	0.009	1027192	21.5	
80 Phenanthrene	178	12.194	12.185	0.009	9544168	16.9	
81 Anthracene	178	12.242	12.233	0.009	9381382	17.8	
83 Carbazole	167	12.362	12.353	0.009	8845135	20.5	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.588	12.579	0.009	10060820	14.9	
87 Fluoranthene	202	13.502	13.493	0.009	10327408	20.3	
86 Benzidine	184	13.613	13.599	0.014	7354642	20.5	
85 Pyrene	202	13.853	13.839	0.014	11251601	18.0	
89 Butyl benzyl phthalate	149	14.791	14.777	0.014	6241614	21.8	
92 Bis(2-ethylhexyl) phthalate	149	15.805	15.797	0.008	8140766	19.7	
91 3,3'-Dichlorobenzidine	252	15.849	15.830	0.019	6390154	20.9	
93 Benzo[a]anthracene	228	15.931	15.917	0.013	8378518	20.4	
94 Chrysene	228	15.988	15.974	0.014	7926184	19.8	
95 Di-n-octyl phthalate	149	16.868	16.864	0.004	11731014	20.7	
97 Benzo[b]fluoranthene	252	17.830	17.807	0.023	6549683	24.1	
98 Benzo[k]fluoranthene	252	17.878	17.860	0.018	6177453	24.5	
99 Benzo[a]pyrene	252	18.522	18.489	0.033	4844240	21.3	
100 Indeno[1,2,3-cd]pyrene	276	21.441	21.425	0.016	3208430	23.6	
101 Dibenz(a,h)anthracene	278	21.470	21.428	0.042	2638817	21.0	
102 Benzo[g,h,i]perylene	276	22.302	22.269	0.033	2472232	20.2	

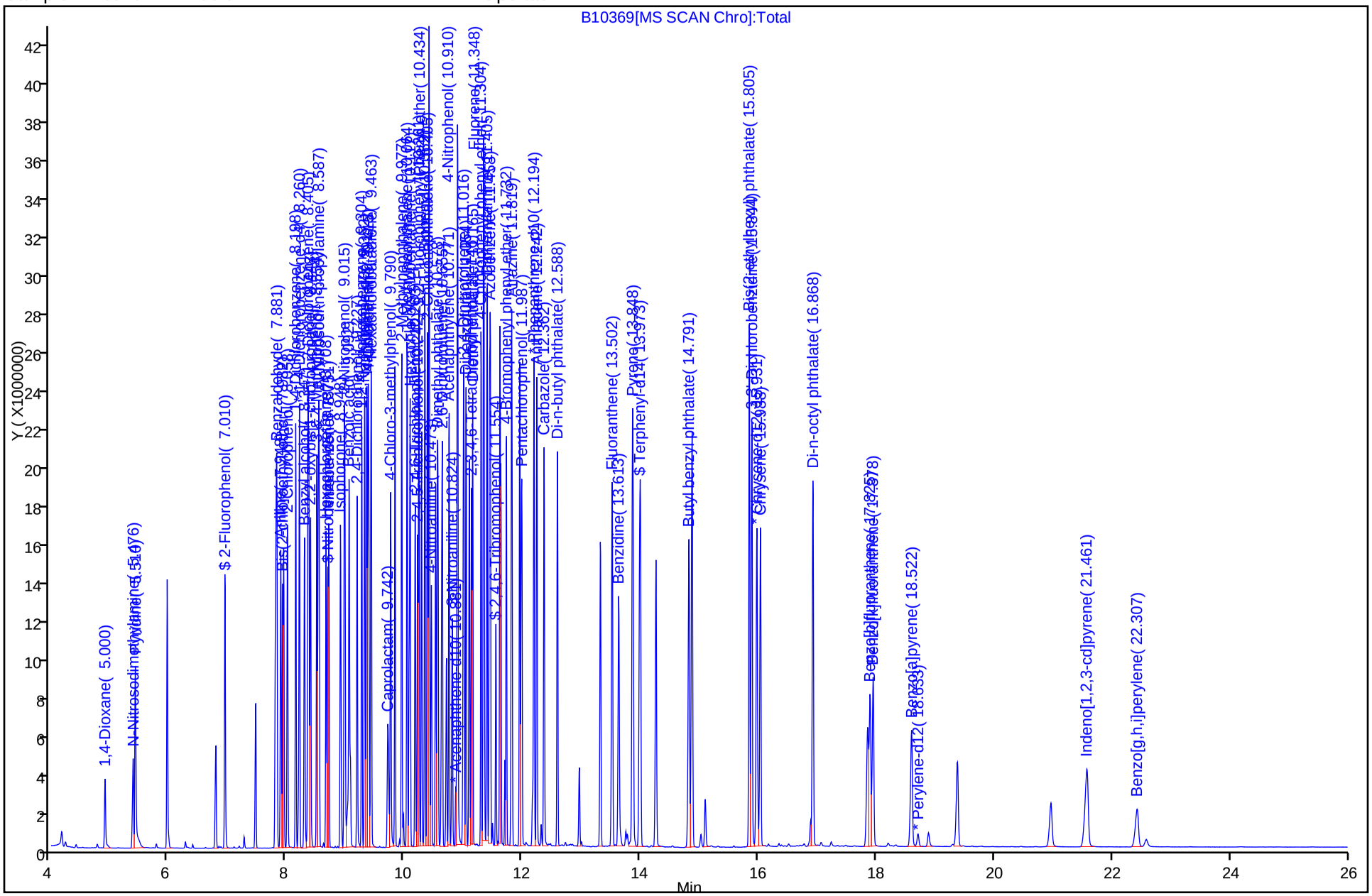
QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 18-Sep-2009 12:55:22 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Inj Date:	17-Sep-2009 17:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	2.00 uL	Operator:	MZ

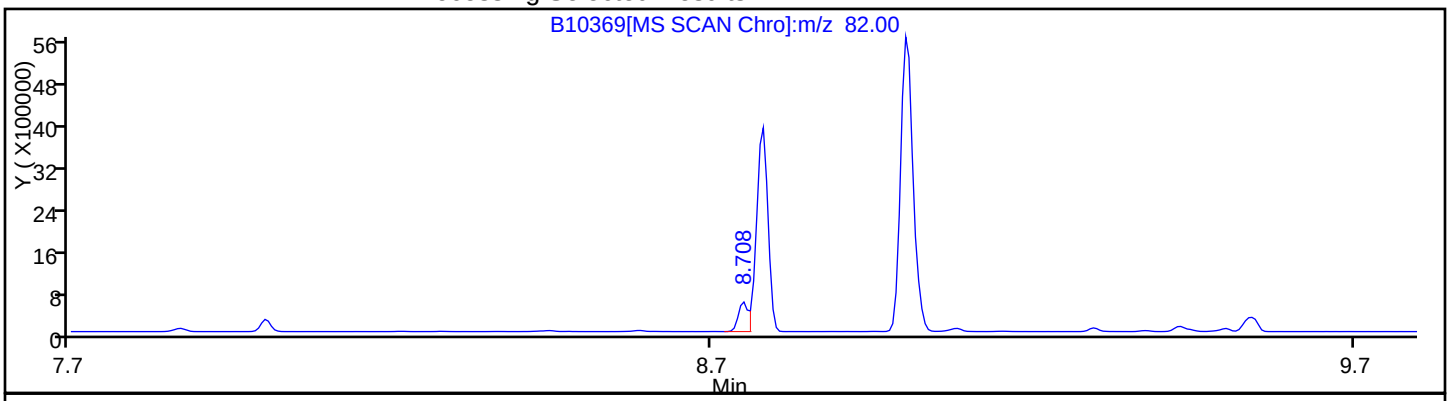


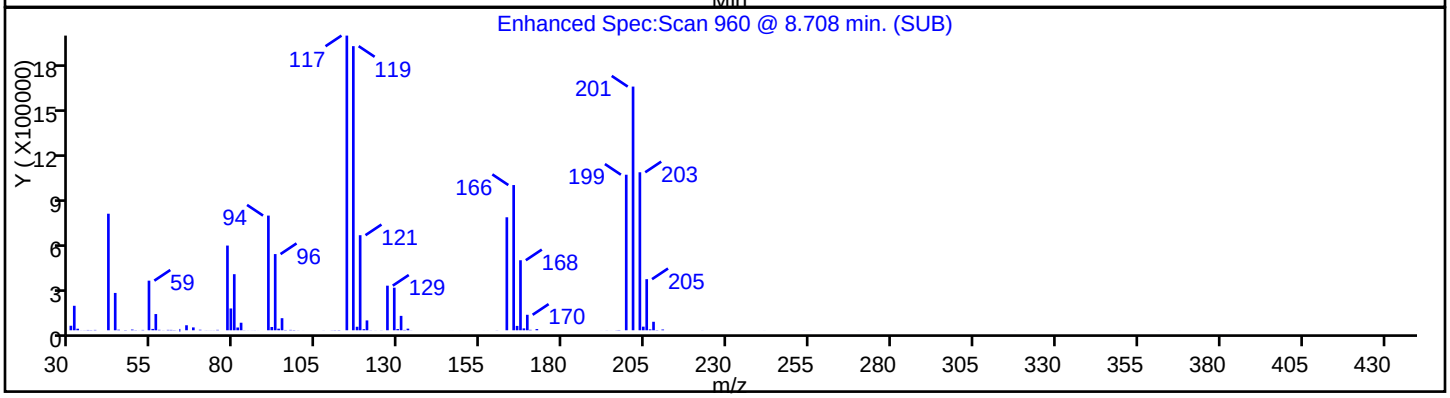
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Inj Date:	17-Sep-2009 17:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	2.00 uL	Operator:	MZ

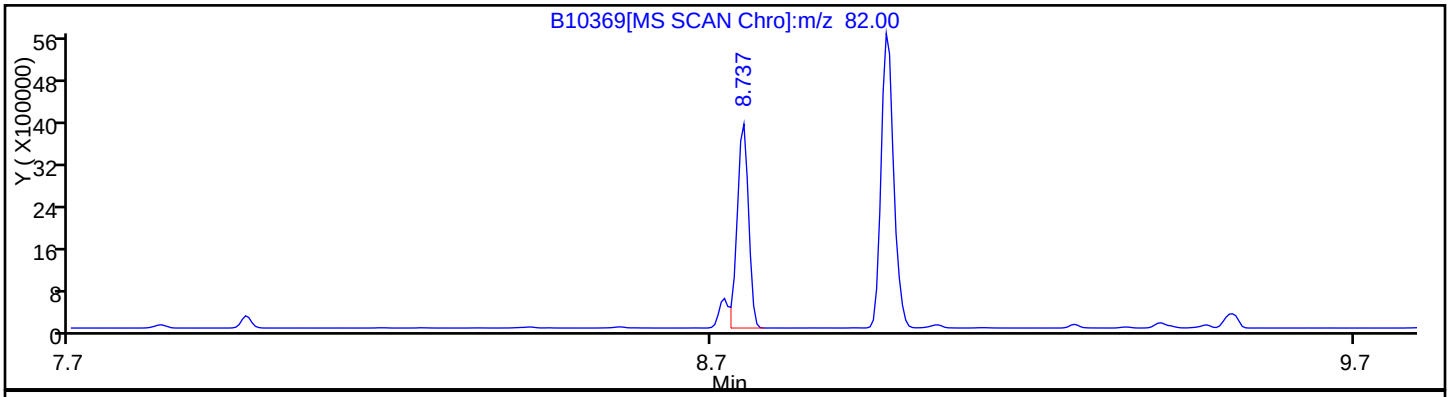
$ 9 Nitrobenzene-d5

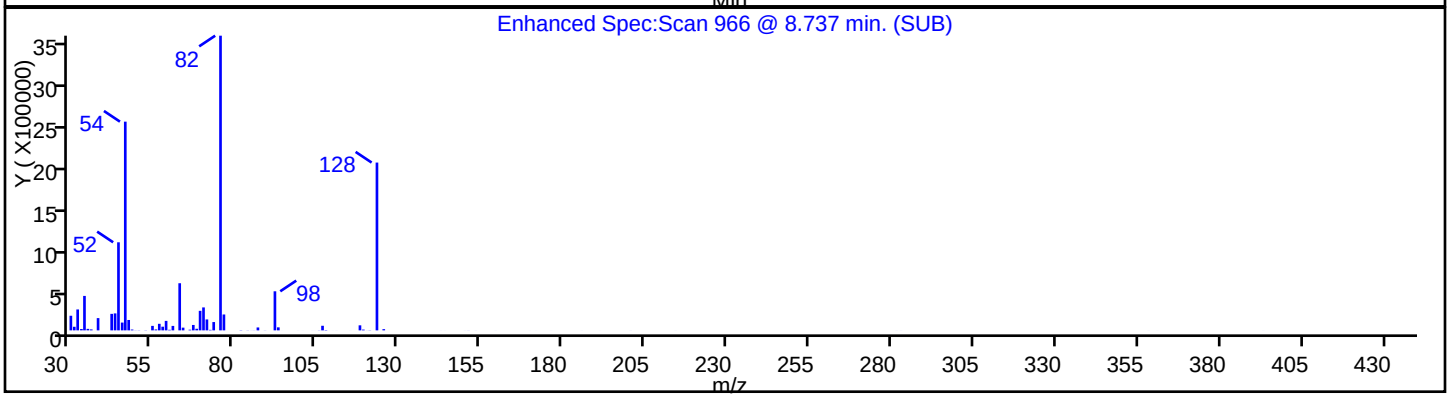
Processing Selected Results





Manual Selected Results





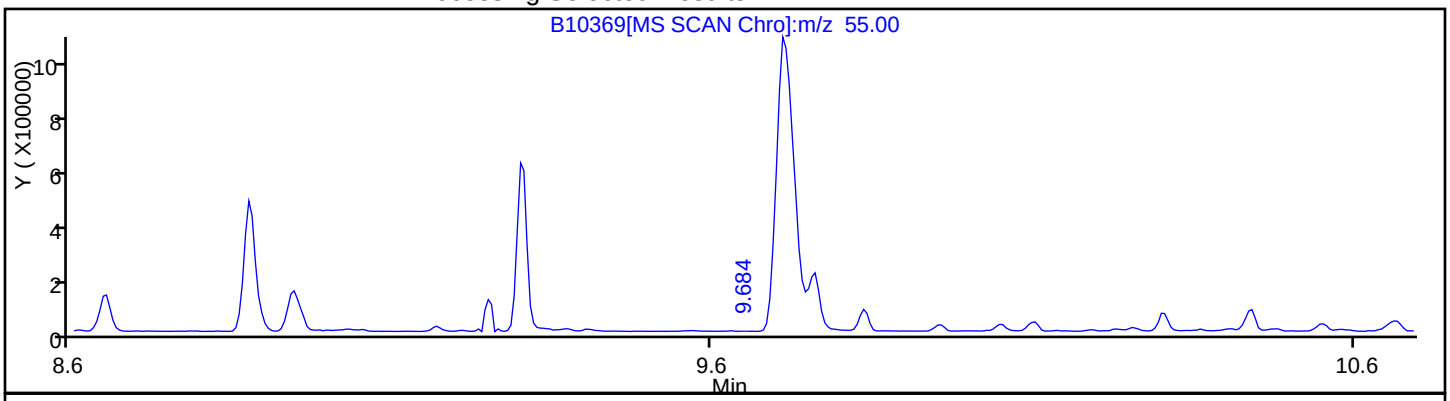
Reviewer: sullivanp, 18-Sep-2009 12:55:21
Audit Action: Selected Alternate Hit
Audit Reason:

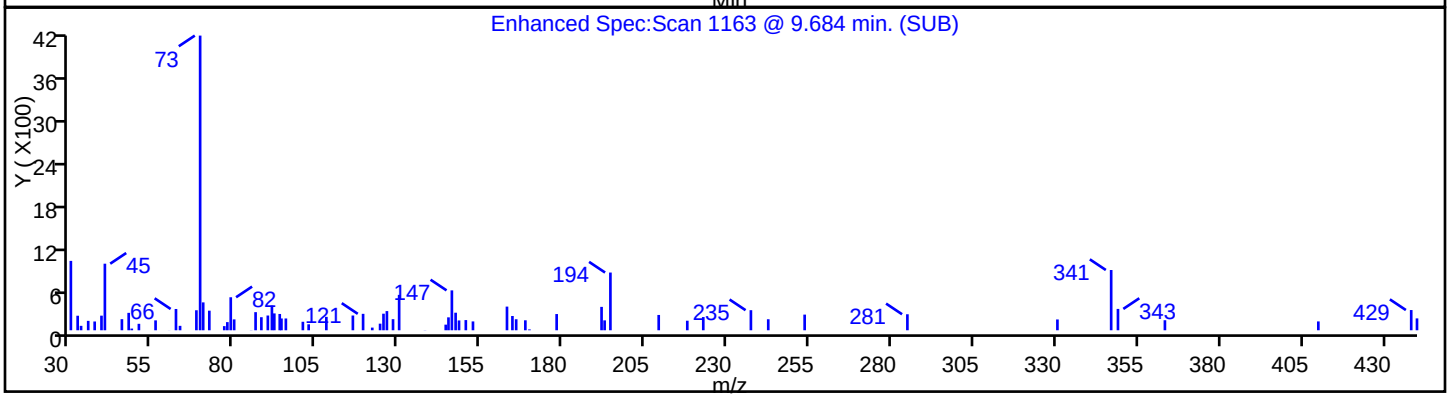
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Inj Date:	17-Sep-2009 17:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	2.00 uL	Operator:	MZ

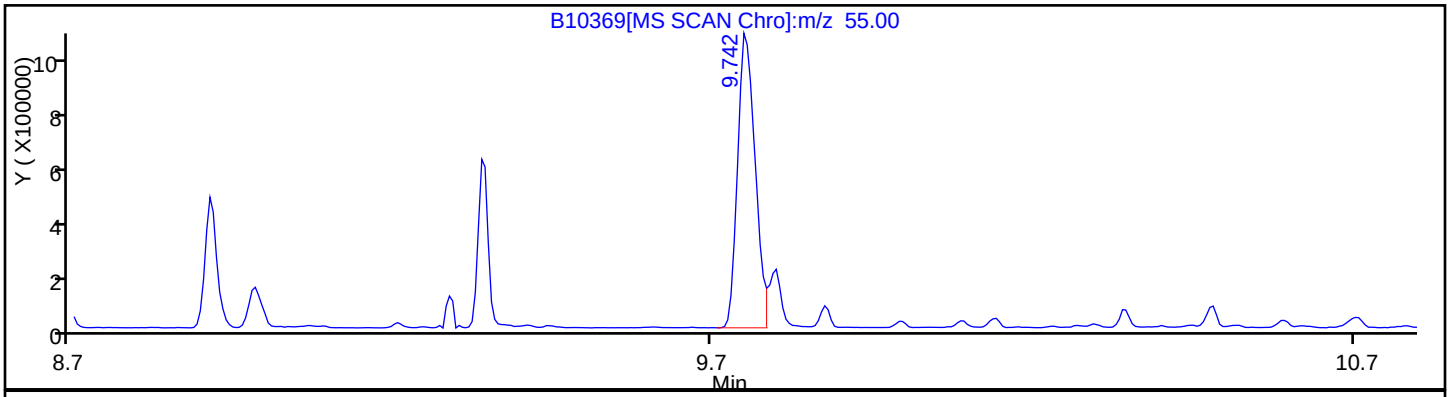
44 Caprolactam

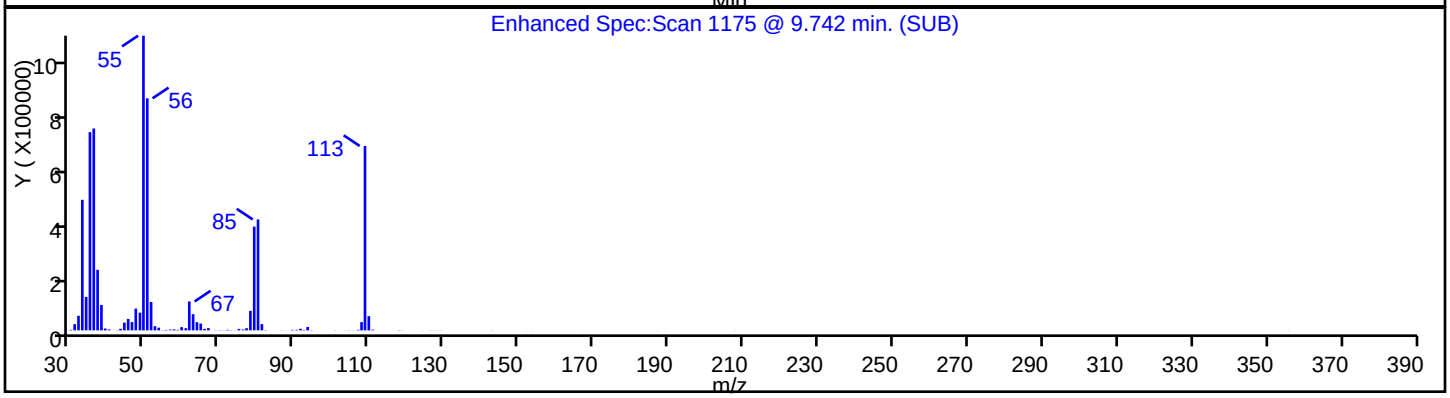
Processing Selected Results





Manual Selected Results





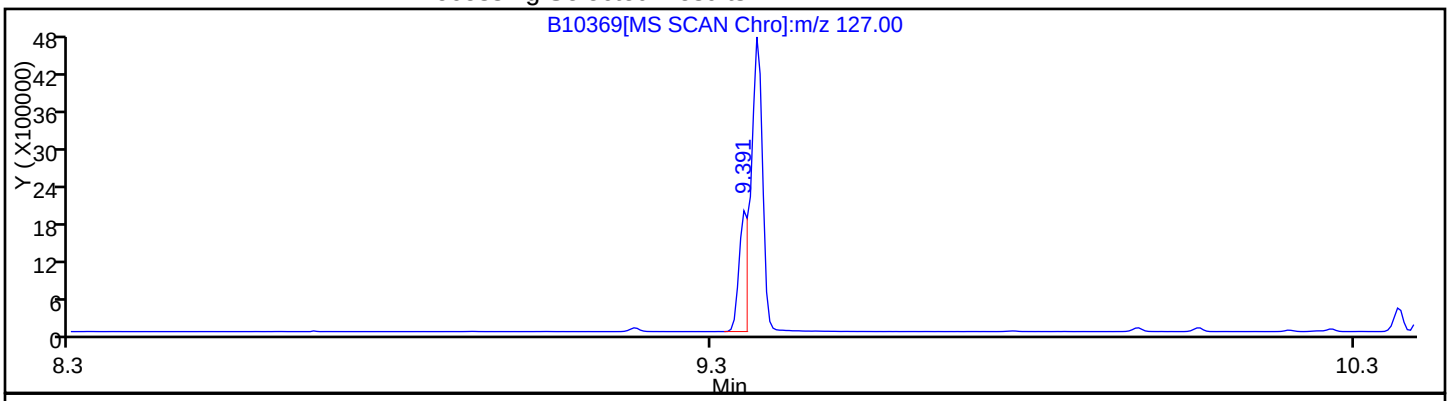
Reviewer: sullivanp, 18-Sep-2009 12:55:21
Audit Action: Selected Alternate Hit
Audit Reason:

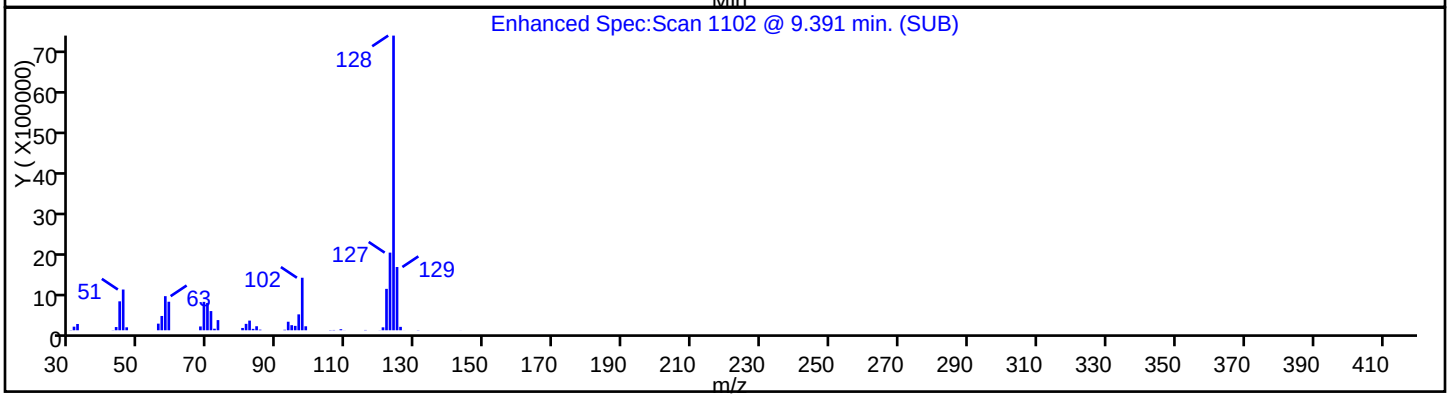
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Inj Date:	17-Sep-2009 17:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	2.00 uL	Operator:	MZ

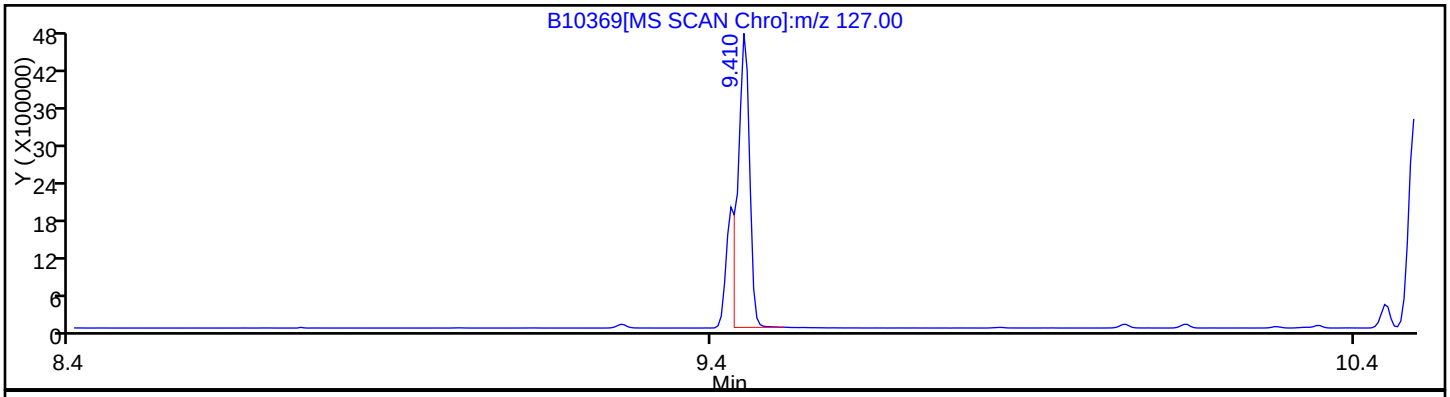
42 4-Chloroaniline

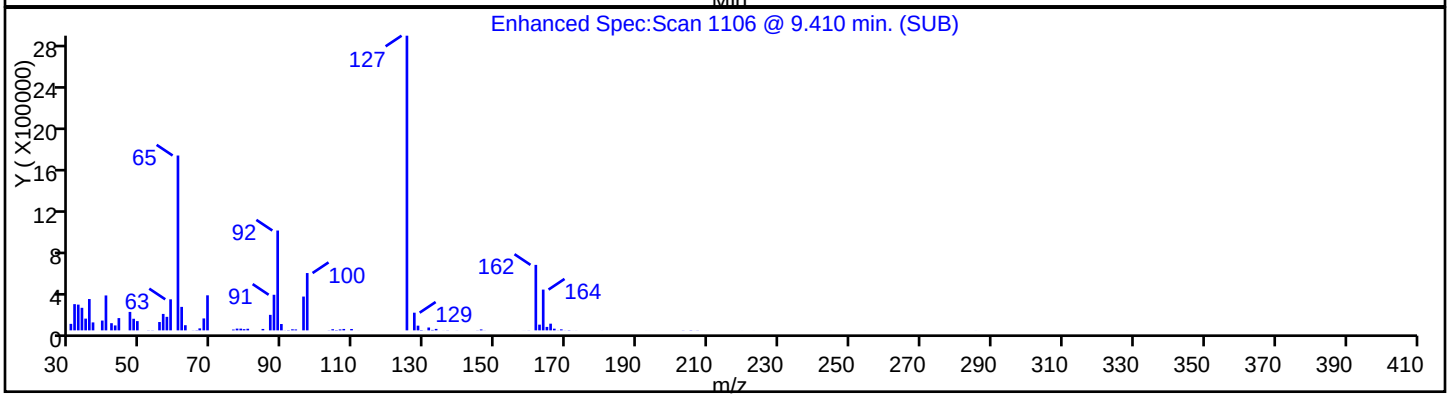
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 18-Sep-2009 12:55:21
Audit Action: Selected Alternate Hit
Audit Reason:

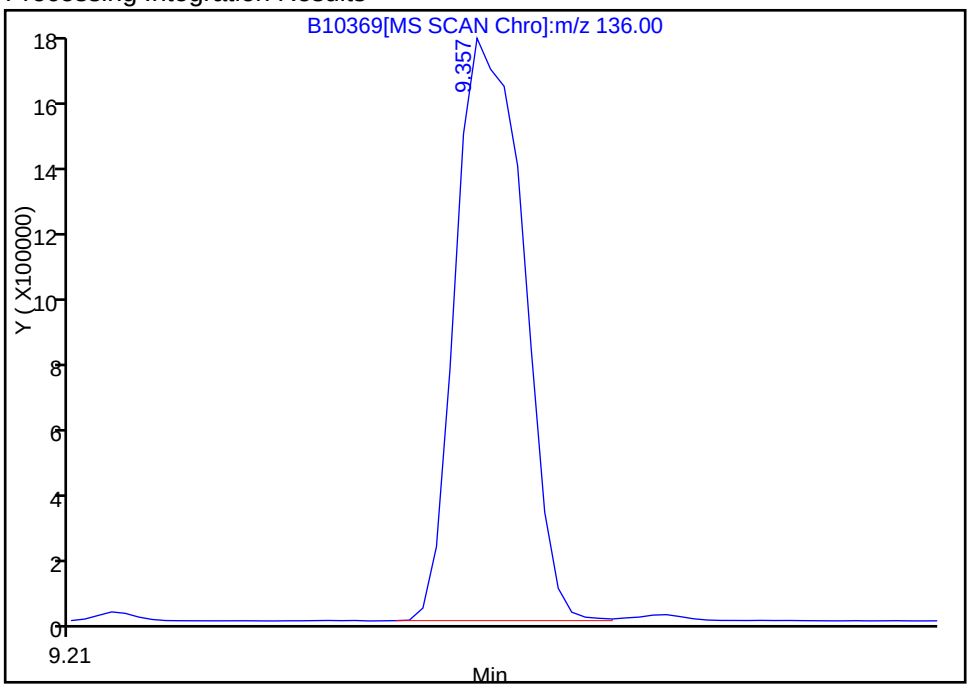
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Inj Date:	17-Sep-2009 17:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	2.00 uL	Operator:	MZ

* 2 Naphthalene-d8, Number: 1, m/z: 136 Type: quant, RT: 9.36

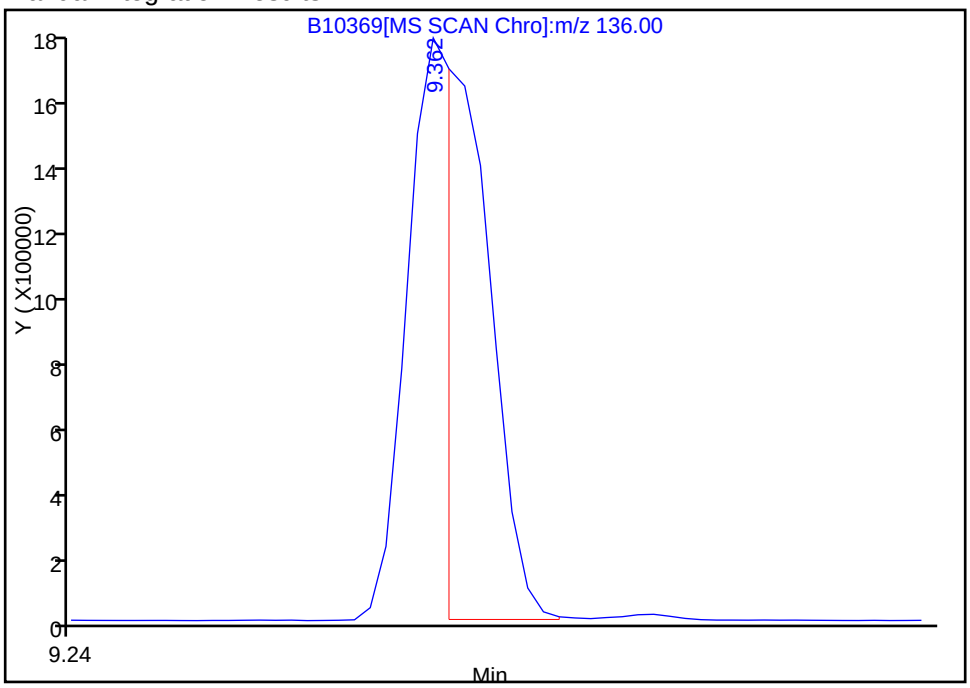
Processing Integration Results

RT: 9.36
Response: 2906453
Amount: 2.000000



Manual Integration Results

RT: 9.36
Response: 1686346
Amount: 2.000000



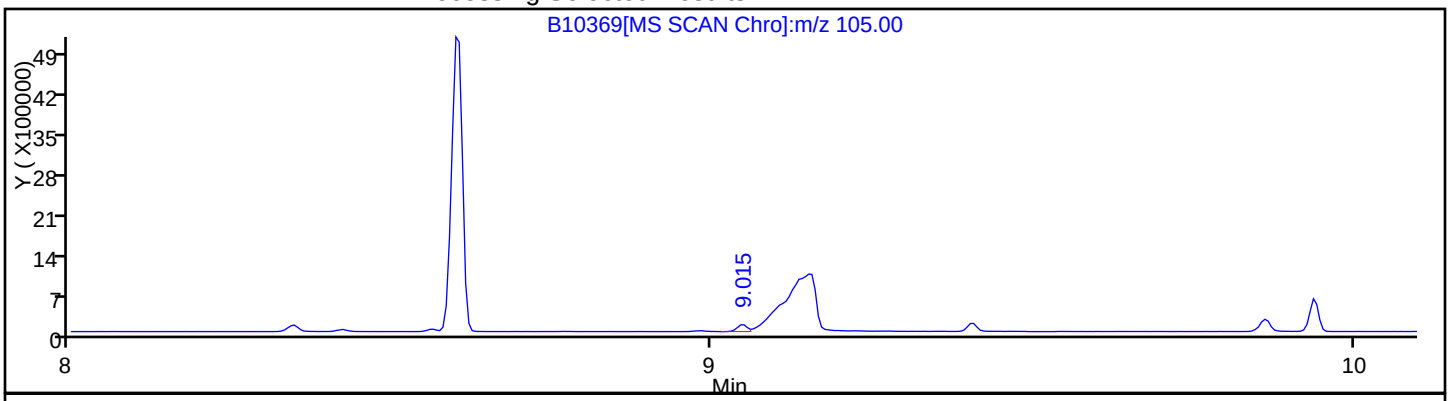
Reviewer: sullivanp, 18-Sep-2009 12:55:21
Audit Action: Manually Integrated
Audit Reason: Split Peak

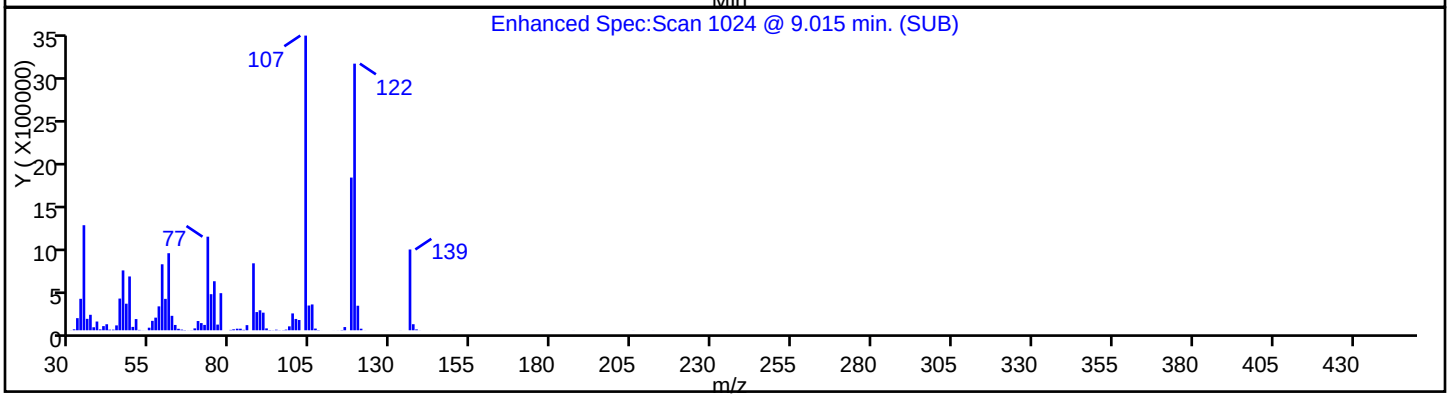
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Inj Date:	17-Sep-2009 17:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	2.00 uL	Operator:	MZ

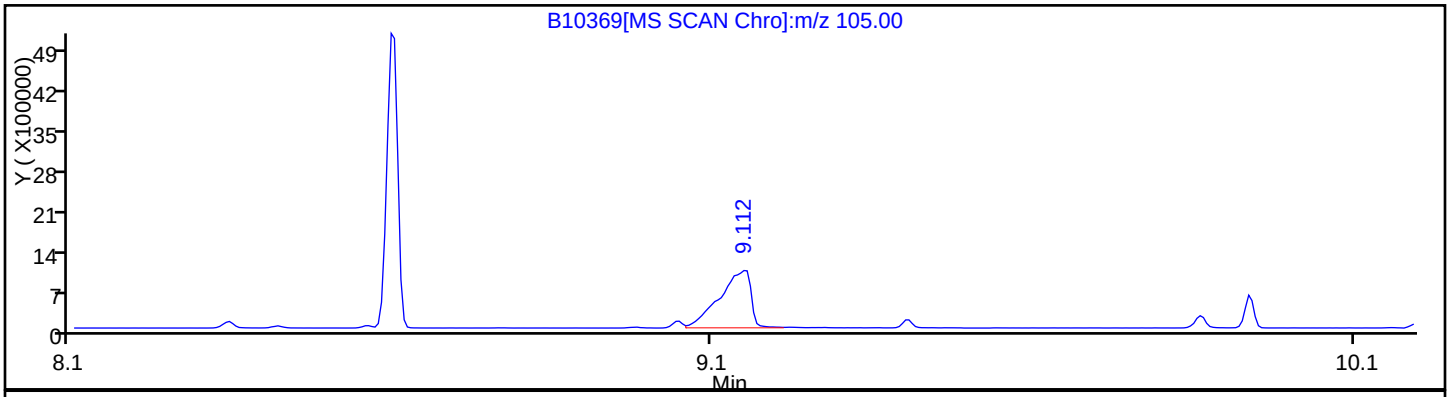
36 Benzoic acid

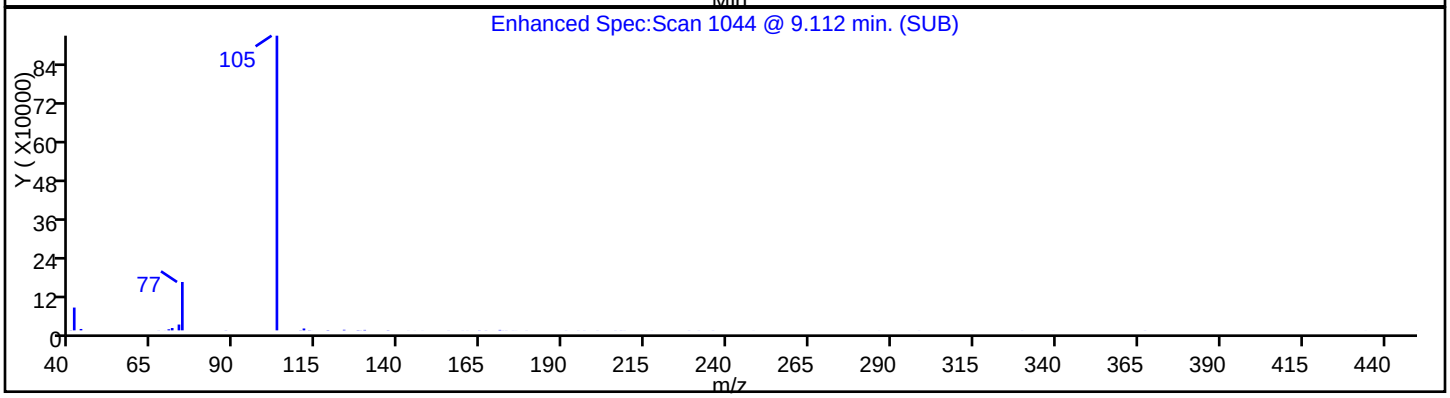
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 18-Sep-2009 12:55:21
Audit Action: Selected Alternate Hit
Audit Reason:

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2 Analy Batch No.: 48992

SDG No.: OCRI-07A

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

Calibration Start Date: 09/15/2009 17:27 Calibration End Date: 09/15/2009 21:23 Calibration ID: 4578

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-48992/3	J02949.D
Level 2	STD025 360-48992/4	J02950.D
Level 3	STD050 360-48992/5	J02951.D
Level 4	STD1 360-48992/6	J02952.D
Level 5	STD25 360-48992/7	J02953.D
Level 6	STD5 360-48992/2	J02948.D
Level 7	STD8 360-48992/8	J02954.D
Level 8	STD10 360-48992/9	J02955.D
Level 9	STD20 360-48992/10	J02956.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	0.5933 0.2158	0.3435 0.2027	0.3305 0.2820	0.2815 0.2723	0.2561	Qua	0.0355	0.2148	0.0029						0.9910		0.9900
Pyridine	+++++ 0.5052	0.3703 0.5730	0.4868 0.6863	0.5394 0.6674	0.5568	Lin1	-0.096	0.6425							0.9910		0.9900
N-Nitrosodimethylamine	0.2993 0.2777	0.3452 0.2663	0.3404 0.4115	0.3360 0.3721	0.3210	Ave		0.3299				14.0		15.0			
Benzoic acid	+++++ 0.0195	+++++ 0.0519	0.0078 0.0738	0.0076 0.1529	0.0141	Qua	0.0020	-0.013	0.0083						0.9990		0.9900
Aniline	0.8352 0.8249	0.8488 0.7969	0.9310 1.0870	0.9416 1.0625	0.9389	Ave		0.9185				11.0		15.0			
Phenol	0.9338 0.8108	0.9433 0.7781	1.0224 1.0619	0.9945 1.0146	0.9253	Ave		0.9427				10.0		15.0			
Bis(2-chloroethyl)ether	0.7376 0.5912	0.7135 0.5508	0.7348 0.7436	0.7374 0.7267	0.6683	Ave		0.6893				10.0		15.0			
2-Chlorophenol	0.6174 0.5862	0.6396 0.5656	0.7143 0.7719	0.7089 0.7548	0.6583	Ave		0.6685				11.0		15.0			
2,4-Dinitrophenol	+++++ 0.0361	+++++ 0.0576	+++++ 0.0697	0.0094 0.0963	0.0230	Lin	-0.340	0.1104			0.0500				0.9860	*	0.9900
1,4-Dichlorobenzene	0.8485 0.6570	0.8324 0.6187	0.8734 0.8355	0.8207 0.7970	0.7526	Ave		0.7818				11.0		15.0			
1,3-Dichlorobenzene	0.8604 0.6763	0.8947 0.6371	0.8764 0.8588	0.8372 0.8195	0.7702	Ave		0.8034				11.0		15.0			
Benzyl alcohol	0.4531 0.4731	0.3964 0.4670	0.4893 0.6304	0.5199 0.6191	0.5216	Ave		0.5078				15.0		15.0			
1,2-Dichlorobenzene	0.8778 0.6173	0.7972 0.5819	0.8343 0.7796	0.7941 0.7363	0.7063	Ave		0.7472				13.0		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2 Analy Batch No.: 48992

SDG No.: OCRI-07A

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

Calibration Start Date: 09/15/2009 17:27 Calibration End Date: 09/15/2009 21:23 Calibration ID: 4578

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	0.5251 0.5279	0.5683 0.5064	0.6180 0.6858	0.6187 0.6674	0.5923	Ave		0.5900				11.0		15.0			
2,2'-oxybis[1-chloropropane]	0.7307 0.5615	0.7283 0.5441	0.7549 0.7474	0.7164 0.7355	0.6638	Ave		0.6869				12.0		15.0			
Acetophenone	0.8083 0.7919	0.8416 0.7596	0.9342 1.0349	0.9438 1.0147	0.8908	Ave		0.8911				11.0		15.0			
Benzaldehyde	0.8083 0.7919	0.8416 0.7596	0.9342 1.0349	0.9438 1.0147	0.8908	Ave		0.8911				11.0		15.0			
N-Nitrosodi-n-propylamine	0.3968 0.4096	0.4002 0.3909	0.4545 0.5383	0.4639 0.5229	0.4490	Ave		0.4473			0.0500	12.0		15.0			
3 & 4 Methylphenol	0.5193 0.5635	0.5757 0.5336	0.6515 0.7190	0.6557 0.7085	0.6160	Ave		0.6159				12.0		15.0			
Hexachloroethane	0.3043 0.2429	0.2897 0.2312	0.2914 0.3135	0.3007 0.3106	0.2678	Ave		0.2836				10.0		15.0			
Nitrobenzene	0.2553 0.3224	0.2766 0.3382	0.3190 0.3468	0.3310 0.3309	0.3205	Ave		0.3156				9.5		15.0			
Isophorone	0.3598 0.5421	0.4183 0.5914	0.4806 0.6124	0.5113 0.5800	0.5502	Lin2	-0.023	0.5624							0.9950		0.9900
2-Nitrophenol	0.0795 0.1356	0.0924 0.1537	0.1067 0.1643	0.1215 0.1595	0.1344	Lin1	-0.015	0.1566							0.9960		0.9900
4-Nitrophenol	+++++ 0.1015	+++++ 0.1298	0.0408 0.1399	0.0571 0.1722	0.0971	Qua	-0.056	0.1089	0.0033		0.0500				0.9990		0.9900
2,4-Dimethylphenol	0.1832 0.2660	0.2210 0.2595	0.2476 0.2684	0.2425 0.2671	0.2396	Ave		0.2439				11.0		15.0			
Bis(2-chloroethoxy)methane	0.3161 0.3277	0.3157 0.3503	0.3369 0.3590	0.3436 0.3348	0.3315	Ave		0.3351				4.3		15.0			
2,4-Dichlorophenol	0.1468 0.2137	0.1659 0.2341	0.1942 0.2427	0.2036 0.2313	0.2168	Lin2	-0.009	0.2229							0.9950		0.9900
Hexachlorocyclopentadiene	+++++ 0.0952	0.0338 0.1260	0.0527 0.1419	0.0751 0.1350	0.0960	Lin	-0.078	0.1391			0.0500				0.9940		0.9900
1,2,4-Trichlorobenzene	0.2641 0.2553	0.2836 0.2647	0.2848 0.2734	0.2772 0.2504	0.2621	Ave		0.2684				4.5		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.0485	+++++ 0.0688	0.0126 0.0823	0.0259 0.0928	0.0428	Qua	-0.077	0.0703	0.0013						0.9960		0.9900
Naphthalene	0.9284 0.8727	0.9379 0.9165	0.9752 0.9327	0.9589 0.8349	0.8949	Ave		0.9169				4.7		15.0			
Alpha-Terpineol	0.1468 0.1891	0.1465 0.2081	0.1766 0.2132	0.1880 0.2017	0.1906	Ave		0.1845				13.0		15.0			
4-Chloroaniline	0.2245 0.3397	0.2911 0.3552	0.3074 0.3758	0.3264 0.3396	0.3368	Ave		0.3218				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.: 360-24327-2 Analy Batch No.: 48992

SDG No.: OCRI-07A

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

Calibration Start Date: 09/15/2009 17:27 Calibration End Date: 09/15/2009 21:23 Calibration ID: 4578

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	0.1299 0.1367	0.1542 0.1424	0.1513 0.1458	0.1491 0.1343	0.1395	Ave		0.1426				5.7		15.0			
Caprolactam	0.0589 0.0832	0.0422 0.0986	0.0551 0.1050	0.0584 0.1026	0.0805	Lin1	-0.012	0.0996							0.9910		0.9900
Pentachlorophenol	+++++ 0.0463	+++++ 0.0718	0.0032 0.0770	0.0167 0.0897	0.0408	Qua	-0.082	0.0704	0.0012						0.9970		0.9900
4-Chloro-3-methylphenol	0.1585 0.2470	0.1751 0.2668	0.2115 0.2737	0.2240 0.2700	0.2391	Lin2	-0.011	0.2516							0.9920		0.9900
2-Methylnaphthalene	0.5451 0.5455	0.5665 0.5686	0.5887 0.5935	0.5942 0.5428	0.5714	Ave		0.5685				3.6		15.0			
1-Methylnaphthalene	0.5603 0.5514	0.5607 0.5867	0.6026 0.5908	0.6112 0.5466	0.5826	Ave		0.5770				4.0		15.0			
1,2,4,5-Tetrachlorobenzene	0.2260 0.2179	0.2346 0.2294	0.2447 0.2335	0.2462 0.2174	0.2360	Ave		0.2318				4.4		15.0			
2,4,6-Trichlorophenol	0.1529 0.2646	0.1934 0.2954	0.2222 0.3055	0.2384 0.2999	0.2778	Lin2	-0.014	0.2787							0.9910		0.9900
2,4,5-Trichlorophenol	0.1678 0.2780	0.1815 0.3099	0.2297 0.3145	0.2516 0.3147	0.2851	Lin1	-0.026	0.3100							0.9980		0.9900
1,1'-Biphenyl	1.4623 1.2874	1.4649 1.3632	1.5528 1.3855	1.4602 1.2525	1.4184	Ave		1.4053				6.7		15.0			
2-Chloronaphthalene	1.3932 1.1655	1.3830 1.2170	1.4564 1.3928	1.4044 1.2752	1.3636	Ave		1.3390				7.3		15.0			
Phenyl ether	0.3886 0.3607	0.3877 0.3800	0.4192 0.3926	0.3934 0.3572	0.3705	Ave		0.3833				5.0		15.0			
4-Nitroaniline	0.1649 0.3187	0.2019 0.3573	0.2436 0.3728	0.2759 0.3809	0.3320	Lin1	-0.037	0.3680							0.9960		0.9900
Dimethyl phthalate	1.0906 1.1506	1.1786 1.2278	1.2868 1.2418	1.2487 1.1874	1.2401	Ave		1.2058				5.0		15.0			
2,4-Dinitrotoluene	0.1402 0.2634	0.1772 0.2824	0.2294 0.2927	0.2585 0.2862	0.2834	Lin2	-0.015	0.2766							0.9940		0.9900
2-Nitroaniline	+++++ 0.0429	0.0508 0.0424	0.0514 0.0429	0.0491 0.0403	0.0483	Ave		0.0460				9.4		15.0			
Acenaphthylene	1.3121 1.5567	1.5054 1.6525	1.6619 1.6897	1.6485 1.5420	1.6697	Ave		1.5821				7.6		15.0			
Acenaphthene	1.1585 1.0022	1.1589 1.0582	1.1647 1.0904	1.1322 1.0145	1.0943	Ave		1.0971				5.7		15.0			
Dibenzofuran	1.5515 1.3672	1.5857 1.4438	1.6047 1.4672	1.5651 1.3447	1.5398	Ave		1.4966				6.4		15.0			
2,6-Dinitrotoluene	0.1275 0.3126	0.1740 0.3459	0.2181 0.3669	0.2710 0.3580	0.3333	Lin1	-0.038	0.3542							0.9970		0.9900

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24327-2 Analy Batch No.: 48992

SDG No.: OCRI-07A

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

Calibration Start Date: 09/15/2009 17:27 Calibration End Date: 09/15/2009 21:23 Calibration ID: 4578

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	0.0467 0.1945	0.0838 0.2236	0.1200 0.2288	0.1493 0.2367	0.2018	Lin1	-0.032	0.2283							0.9950		0.9900
Diethyl phthalate	1.2768 1.1716	1.2164 1.2427	1.2146 1.2781	1.2296 1.2264	1.2481	Ave		1.2338				2.7		15.0			
Fluorene	1.1390 1.1037	1.1527 1.1795	1.2265 1.1957	1.2281 1.0822	1.2326	Ave		1.1711				4.7		15.0			
4-Chlorophenyl phenyl ether	0.5871 0.5234	0.5815 0.5456	0.6129 0.5559	0.5859 0.5193	0.5779	Ave		0.5655				5.6		15.0			
3-Nitroaniline	0.0806 0.2053	0.1196 0.2486	0.1560 0.2695	0.1862 0.2699	0.2332	Lin1	-0.032	0.2593							0.9930		0.9900
Diphenylamine	0.4779 0.5665	0.5635 0.6241	0.5813 0.6365	0.6303 0.5816	0.6270	Ave		0.5876				8.6		15.0			
N-Nitrosodiphenylamine	0.4779 0.5665	0.5635 0.6241	0.5813 0.6365	0.6303 0.5816	0.6270	Ave		0.5876				8.6		15.0			
1,2-Diphenylhydrazine	0.8665 1.1687	0.9859 1.2776	1.1257 1.3176	1.2655 1.2109	1.2641	Ave		1.1647				13.0		15.0			
Azobenzene	0.8665 1.1687	0.9859 1.2776	1.1257 1.3176	1.2655 1.2109	1.2641	Ave		1.1647				13.0		15.0			
Benzophenone	0.5661 0.6999	0.6575 0.7727	0.7043 0.8024	0.7677 0.7419	0.7538	Ave		0.7185				10.0		15.0			
4-Bromophenyl phenyl ether	0.1601 0.1684	0.1734 0.1863	0.1825 0.1875	0.1912 0.1732	0.1847	Ave		0.1786				5.8		15.0			
Hexachlorobenzene	0.1856 0.1740	0.2016 0.1902	0.1973 0.1906	0.2033 0.1792	0.1936	Ave		0.1906				5.1		15.0			
Atrazine	0.1013 0.1665	0.1292 0.1938	0.1583 0.1975	0.1778 0.1776	0.1831	Lin2	-0.009	0.1828							0.9950		0.9900
Pentachloronitrobenzene	0.0361 0.0770	0.0445 0.0841	0.0537 0.0858	0.0689 0.0848	0.0776	Lin1	-0.008	0.0842							0.9980		0.9900
Benzidine	+++++ 0.4483	0.0711 0.5464	0.1210 0.5579	0.2008 0.6221	0.3424	Lin	-0.518	0.6331							0.9950		0.9900
Phenanthrene	1.0894 0.9279	1.0798 0.9927	1.0798 1.0007	1.0614 0.9204	1.0021	Ave		1.0172				6.4		15.0			
Anthracene	0.7246 0.8943	0.8170 0.9733	0.8598 0.9973	0.9371 0.9055	0.9652	Ave		0.8971				9.6		15.0			
Carbazole	0.6316 0.7384	0.7097 0.8334	0.7653 0.8397	0.8224 0.7745	0.8281	Ave		0.7715				9.0		15.0			
Di-n-butyl phthalate	1.0309 1.0883	0.8729 1.2199	0.9406 1.2656	1.0441 1.1735	1.1381	Ave		1.0860				12.0		15.0			
Pyrene	1.0444 1.1218	1.1768 1.1485	1.2339 1.1890	1.1667 1.1364	1.1788	Ave		1.1551				4.6		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.: 360-24327-2 Analy Batch No.: 48992

SDG No.: OCRI-07A

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

Calibration Start Date: 09/15/2009 17:27 Calibration End Date: 09/15/2009 21:23 Calibration ID: 4578

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Fluoranthene	0.7503 0.8635	0.8593 0.9765	0.8757 0.9687	0.9350 0.9062	0.9534	Ave		0.8987				7.9		15.0			
Butyl benzyl phthalate	0.2815 0.5368	0.2745 0.6079	0.3644 0.6350	0.4053 0.6215	0.5288	Lin1	-0.070	0.6117							0.9950		0.9900
3,3'-Dichlorobenzidine	0.2948 0.5897	0.2731 0.6550	0.3718 0.6445	0.4564 0.6452	0.5898	Lin1	-0.070	0.6417							0.9970		0.9900
Benzo[a]anthracene	0.8232 0.8576	0.7246 0.9116	0.8263 0.9261	0.8415 0.9096	0.8661	Ave		0.8540				7.2		15.0			
Chrysene	1.2381 0.8194	0.9728 0.8587	0.9677 0.8710	0.9109 0.8328	0.8563	Ave		0.9253				14.0		15.0			
Bis(2-ethylhexyl) phthalate	0.5110 0.8155	0.4285 0.8864	0.5531 0.9122	0.5858 0.9149	0.7880	Lin1	-0.093	0.8959							0.9960		0.9900
Di-n-octyl phthalate	0.6757 1.3533	0.6133 1.6398	0.6979 1.8359	0.7500 2.1197	1.2750	Qua	-0.775	1.5027	0.0331						0.9990		0.9900
Benzo[b]fluoranthene	1.1605 1.0729	1.1028 1.1622	1.1899 1.1802	1.1613 1.1425	1.1063	Ave		1.1421				3.5		15.0			
Benzo[k]fluoranthene	1.1071 0.9942	1.1264 1.0643	1.0996 1.1593	1.1004 1.1505	1.0733	Ave		1.0972				4.5		15.0			
Benzo[a]pyrene	0.4733 0.7755	0.5062 0.8755	0.5878 0.9190	0.6581 0.8879	0.7777	Lin1	-0.081	0.8792							0.9960		0.9900
Indeno[1,2,3-cd]pyrene	0.5115 0.6680	0.4155 0.7468	0.5453 0.7129	0.5957 0.6105	0.6857	Lin1	-0.029	0.6686							0.9920		0.9900
Dibenz(a,h)anthracene	0.3467 0.5258	0.3355 0.5856	0.4237 0.5593	0.4495 0.4947	0.5266	Lin1	-0.030	0.5315							0.9940		0.9900
Benzo[g,h,i]perylene	0.5860 0.5911	0.5638 0.6457	0.6203 0.6069	0.6234 0.5165	0.6336	Ave		0.5986				6.7		15.0			
2-Fluorophenol	0.6116 0.5579	0.6338 0.5312	0.5918 0.7174	0.6577 0.7267	0.6101	Ave		0.6265				11.0		15.0			
Phenol-d5	0.7750 0.6705	0.7518 0.6532	0.8049 0.8878	0.8085 0.8518	0.7674	Ave		0.7745				9.9		15.0			
Nitrobenzene-d5	0.2509 0.3180	0.2641 0.3325	0.2932 0.3493	0.3144 0.3331	0.3077	Ave		0.3070				11.0		15.0			
2-Fluorobiphenyl	1.3236 1.1671	1.3227 1.2383	1.3872 1.2437	1.3211 1.1506	1.2778	Ave		1.2702				6.1		15.0			
2,4,6-Tribromophenol	0.0234 0.0675	0.0390 0.0830	0.0514 0.0846	0.0593 0.0840	0.0716	Lin1	-0.010	0.0822							0.9950		0.9900
Terphenyl-d14	0.7833 0.7306	0.7676 0.7399	0.8359 0.7552	0.7751 0.7317	0.7608	Ave		0.7644				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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24327-2 Analy Batch No.: 48992

SDG No.: OCRI-07A

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

Calibration Start Date: 09/15/2009 17:27 Calibration End Date: 09/15/2009 21:23 Calibration ID: 4578

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-48992/3	J02949.D
Level 2	STD025 360-48992/4	J02950.D
Level 3	STD050 360-48992/5	J02951.D
Level 4	STD1 360-48992/6	J02952.D
Level 5	STD25 360-48992/7	J02953.D
Level 6	STD5 360-48992/2	J02948.D
Level 7	STD8 360-48992/8	J02954.D
Level 8	STD10 360-48992/9	J02955.D
Level 9	STD20 360-48992/10	J02956.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	Qua	2141 51017	3152 84407	6539 105251	10678 266258	30465	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyridine	DCB	Lin1	+++++ 119402	3398 238611	9630 256158	20458 652538	66228	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodimethylamine	DCB	Ave	1080 65644	3167 110886	6735 153570	12744 363816	38179	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Qua	+++++ 9409	+++++ 39417	376 66148	673 373410	3795	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Aniline	DCB	Ave	3014 194974	7788 331817	18418 405705	35713 1038728	111675	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol	DCB	Ave	3370 191636	8655 324024	20226 396339	37720 991978	110050	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethyl)ether	DCB	Ave	2662 139751	6547 229367	14537 277533	27968 710432	79480	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chlorophenol	DCB	Ave	2228 138559	5869 235511	14131 288079	26887 737992	78292	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Lin	+++++ 9022	+++++ 22584	+++++ 32326	422 119757	3024	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
1,4-Dichlorobenzene	DCB	Ave	3062 155296	7638 257645	17280 311838	31129 779231	89510	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,3-Dichlorobenzene	DCB	Ave	3105 159847	8209 265275	17339 320523	31754 801240	91601	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzyl alcohol	DCB	Ave	1635 111827	3637 194456	9680 235272	19720 605310	62035	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Dichlorobenzene	DCB	Ave	3168 145916	7315 242292	16506 290948	30120 719822	84002	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylphenol	DCB	Ave	1895 124769	5214 210878	12226 255959	23469 652487	70447	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.: 360-24327-2 Analy Batch No.: 48992

SDG No.: OCRI-07A

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

Calibration Start Date: 09/15/2009 17:27 Calibration End Date: 09/15/2009 21:23 Calibration ID: 4578

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	2637 132714	6682 226551	14935 278927	27172 719047	78947	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acetophenone	DCB	Ave	2917 187172	7722 316303	18481 386242	35798 992056	105955	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzaldehyde	DCB	Ave	2917 187172	7722 316303	18481 386242	35798 992056	105955	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	1432 96810	3672 162764	8991 200901	17596 511208	53406	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3 & 4 Methylphenol	DCB	Ave	1874 133190	5282 222206	12889 268327	24871 692647	73270	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	1098 57411	2658 96292	5765 116994	11407 303710	31853	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene	NPT	Ave	2323 155560	6241 256887	15289 310742	29465 808364	85978	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Isophorone	NPT	Lin2	3274 261528	9438 449182	23036 548800	45516 1416752	147605	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitrophenol	NPT	Lin1	723 65416	2085 116733	5116 147249	10818 389533	36054	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Qua	+++++ 25341	+++++ 50921	979 64909	2569 214051	12744	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Ave	1667 128355	4985 197129	11868 240483	21592 652539	64278	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	2876 158120	7123 266042	16145 321690	30588 817756	88913	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dichlorophenol	NPT	Lin2	1336 103105	3743 177792	9308 217477	18128 565013	58150	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorocyclopentadiene	ANT	Lin	+++++ 23787	370 49405	1264 65825	3379 167831	12596	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Ave	2403 123186	6398 201059	13650 245015	24678 611593	70308	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4,6-Dinitro-2-methylphenol	PHN	Qua	+++++ 19910	+++++ 43593	500 61695	1820 190423	9207	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Ave	8448 421075	21160 696108	46741 835808	85366 2039430	240065	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Ave	1336 91225	3305 158052	8463 191015	16736 492745	51128	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloroaniline	NPT	Ave	2043 163882	6567 269799	14734 336749	29059 829506	90348	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobutadiene	NPT	Ave	1182 65975	3479 108125	7251 130637	13272 328126	37433	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Caprolactam	NPT	Lin1	536 40162	952 74909	2639 94132	5197 250564	21593	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.: 360-24327-2 Analy Batch No.: 48992

SDG No.: OCRI-07A

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

Calibration Start Date: 09/15/2009 17:27 Calibration End Date: 09/15/2009 21:23 Calibration ID: 4578

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
Pentachlorophenol	PHN	Qua	+++++ 19026	+++++ 45480	128 57722	1174 184091	8768	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloro-3-methylphenol	NPT	Lin2	1442 119191	3950 202651	10135 245236	19944 659598	64139	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Ave	4960 263177	12781 431830	28213 531804	52901 1325974	153283	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1-Methylnaphthalene	NPT	Ave	5098 266050	12650 445637	28880 529377	54411 1335257	156272	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	2056 105150	5293 174206	11730 209265	21916 531171	63306	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Trichlorophenol	ANT	Lin2	675 66100	2118 115866	5329 141705	10722 372729	36466	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Lin1	741 69435	1987 121550	5509 145889	11312 391174	37425	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	6456 321552	16039 534692	37248 642736	65663 1556981	186195	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	6151 291095	15142 477360	34936 646093	63156 1585142	178995	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	3536 174011	8746 288613	20091 351808	35021 872609	99394	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitroaniline	ANT	Lin1	728 79607	2211 140161	5844 172955	12408 473426	43582	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	4815 287372	12904 481589	30869 576078	56153 1475996	162779	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin2	619 65779	1940 110761	5504 135792	11625 355808	37203	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Ave	+++++ 10720	556 16638	1233 19894	2207 50065	6334	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	5793 388811	16482 648158	39867 783824	74131 1916816	219180	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	5115 250315	12689 415042	27938 505813	50915 1261043	143644	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	6850 341481	17361 566280	38493 680622	70381 1671471	202121	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Lin1	563 78078	1905 135654	5233 170220	12188 445055	43757	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	206 48576	918 87700	2878 106156	6714 294269	26495	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	5637 292620	13318 487432	29135 592888	55292 1524498	163833	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluorene	ANT	Ave	5029 275666	12621 462638	29422 554654	55228 1345234	161803	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.: 360-24327-2 Analy Batch No.: 48992

SDG No.: OCRI-07A

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

Calibration Start Date: 09/15/2009 17:27 Calibration End Date: 09/15/2009 21:23 Calibration ID: 4578

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chlorophenyl phenyl ether	ANT	Ave	2592 130739	6367 214012	14703 257868	26346 645551	75854	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Lin1	356 51283	1310 97514	3742 125032	8375 335455	30610	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	3469 232538	9944 395534	23034 477355	44242 1193590	134748	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	3469 232538	9944 395534	23034 477355	44242 1193590	134748	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	6290 479765	17398 809757	44607 988217	88826 2485111	271666	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	6290 479765	17398 809757	44607 988217	88826 2485111	271666	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzophenone	PHN	Ave	4109 287306	11602 489722	27908 601783	53884 1522510	162006	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	1162 69127	3060 118105	7234 140612	13419 355555	39697	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	1347 71407	3558 120550	7820 142966	14269 367749	41601	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Lin2	735 68354	2280 122829	6272 148100	12482 364526	39354	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin1	262 31598	785 53276	2128 64359	4834 173999	16687	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Lin	+++++ 184014	1254 346334	4793 418443	14091 1276786	73582	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	7908 380909	19055 629219	42791 750530	74502 1888864	215354	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	5260 367097	14417 616910	34073 747971	65773 1858295	207428	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	4585 303115	12524 528203	30328 629787	57728 1589540	177958	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Ave	7483 446744	15404 773168	37274 949159	73288 2408459	244577	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	5024 339452	14016 575770	32735 700079	61207 1781012	192020	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	5446 354458	15163 618944	34702 726503	65631 1859826	204896	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Lin1	1354 162431	3269 304732	9667 373876	21263 974059	86140	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	1418 178434	3253 328352	9863 379505	23943 1011269	96067	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]anthracene	CRY	Ave	3960 259507	8630 456968	21920 545297	44145 1425571	141080	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.: 360-24327-2 Analy Batch No.: 48992

SDG No.: OCRI-07A

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

Calibration Start Date: 09/15/2009 17:27 Calibration End Date: 09/15/2009 21:23 Calibration ID: 4578

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Chrysene	CRY	Ave	5956 247945	11587 430472	25673 512862	47787 1305277	139489	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Lin1	2458 246756	5104 444348	14673 537111	30735 1433960	128353	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Qua	2050 314164	4484 635065	12298 773878	27666 2177997	150299	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Ave	3521 249078	8063 450116	20968 497485	42834 1173873	130416	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Ave	3359 230809	8235 412214	19377 488690	40590 1182123	126519	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Lin1	1436 180041	3701 339069	10359 387370	24276 912306	91673	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	1552 155072	3038 289233	9610 300516	21974 627334	80835	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Lin1	1052 122057	2453 226790	7466 235770	16580 508308	62076	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	1778 137235	4122 250082	10931 255836	22993 530720	74687	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	2207 131862	5815 221207	11709 267751	24947 710449	72561	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol-d5	DCB	Ave	2797 158492	6898 271980	15923 331340	30665 832763	91269	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene-d5	NPT	Ave	2283 153410	5959 252510	14050 312976	27993 813756	82554	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorobiphenyl	ANT	Ave	5844 291498	14482 485681	33277 576928	59409 1430225	167736	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	170 27719	689 52609	2037 63469	4163 172356	15384	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	3768 221076	9142 370893	22176 444679	40664 1146784	123927	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

Report Date: 16-Sep-2009 12:05:44 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02948.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	15-Sep-2009 17:27:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	std5		
Misc. Info.:	360-0001180-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	48992	Lims Sample ID:	2
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\8270NDMA.m		
Last Update:	16-Sep-2009 12:05:44	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	16-Sep-2009 11:18:29
Reviewed By:	sullivanp	Date:	16-Sep-2009 11:33:03
Reviewed By:	sullivanp	Date:	16-Sep-2009 11:56:30
Reviewed By:	sullivanp	Date:	16-Sep-2009 12:05:44

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.843	6.843	0.000	94547	2.00	
* 2 Naphthalene-d8	136	8.156	8.156	0.000	192990	2.00	
* 3 Acenaphthene-d10	164	9.896	9.896	0.000	99906	2.00	
* 4 Phenanthrene-d10	188	11.353	11.353	0.000	164200	2.00	
* 5 Chrysene-d12	240	13.960	13.960	0.000	121036	2.00	
* 6 Perylene-d12	264	15.369	15.369	0.000	92861	2.00	
$ 7 2-Fluorophenol	112	5.275	5.275	0.000	131862	4.64	
$ 8 Phenol-d5	99	6.492	6.492	0.000	158492	4.58	
$ 9 Nitrobenzene-d5	82	7.434	7.434	0.000	153410	5.73	
$ 10 2-Fluorobiphenyl	172	9.238	9.238	0.000	291498	4.59	
$ 11 2,4,6-Tribromophenol	330	10.671	10.671	0.000	27719	5.02	
$ 12 Terphenyl-d14	244	12.936	12.936	0.000	221076	4.80	
14 1,4-Dioxane	88	1.933	1.933	0.000	51017	5.19	
15 N-Nitrosodimethylamine	74	2.395	2.395	0.000	65644	4.52	
16 Pyridine	79	2.395	2.395	0.000	119402	5.00	
19 Aniline	93	6.487	6.487	0.000	194974	5.01	M
18 Phenol	94	6.506	6.506	0.000	191636	4.52	
20 Bis(2-chloroethyl)ether	93	6.588	6.588	0.000	139751	4.34	
21 2-Chlorophenol	128	6.612	6.612	0.000	138559	4.77	
22 1,4-Dichlorobenzene	146	6.776	6.776	0.000	155296	4.22	
23 1,3-Dichlorobenzene	146	6.862	6.862	0.000	159847	4.17	
24 Benzyl alcohol	79	7.011	7.011	0.000	111827	5.37	
25 1,2-Dichlorobenzene	146	7.021	7.021	0.000	145916	4.75	
26 2-Methylphenol	108	7.146	7.146	0.000	124769	4.88	
27 2,2'-oxybis[1-chloropropane]	45	7.165	7.165	0.000	132714	4.17	
30 Acetophenone	105	7.280	7.280	0.000	187172	4.86	
17 Benzaldehyde	105	7.280	7.280	0.000	187172	4.86	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.300	7.300	0.000	96810	5.09	
28 3 & 4 Methylphenol	108	7.309	7.309	0.000	133190	5.10	
31 Hexachloroethane	117	7.367	7.367	0.000	57411	4.35	
32 Nitrobenzene	77	7.454	7.454	0.000	155560	5.66	
33 Isophorone	82	7.699	7.699	0.000	261528	5.20	
34 2-Nitrophenol	139	7.781	7.781	0.000	65416	5.02	
35 2,4-Dimethylphenol	107	7.843	7.843	0.000	128355	5.10	
37 Bis(2-chloroethoxy)methane	93	7.934	7.934	0.000	158120	5.12	
36 Benzoic acid	105	7.963	7.963	0.000	9409	5.00	M
38 2,4-Dichlorophenol	162	8.021	8.021	0.000	103105	5.21	
39 1,2,4-Trichlorobenzene	180	8.103	8.103	0.000	123186	4.77	
41 Naphthalene	128	8.175	8.175	0.000	421075	4.78	
40 Alpha-Terpineol	59	8.199	8.199	0.000	91225	5.88	
42 4-Chloroaniline	127	8.242	8.242	0.000	163882	5.02	
43 Hexachlorobutadiene	225	8.314	8.314	0.000	65975	4.87	
44 Caprolactam	55	8.564	8.564	0.000	40162	5.04	
45 4-Chloro-3-methylphenol	107	8.738	8.738	0.000	119191	5.02	
46 2-Methylnaphthalene	142	8.867	8.867	0.000	263177	4.94	
47 1-Methylnaphthalene	142	8.964	8.964	0.000	266050	4.95	
48 Hexachlorocyclopentadiene	237	9.031	9.031	0.000	23787	5.00	
49 1,2,4,5-Tetrachlorobenzene	216	9.040	9.040	0.000	105150	4.82	
50 2,4,6-Trichlorophenol	196	9.156	9.156	0.000	66100	5.22	
51 2,4,5-Trichlorophenol	196	9.190	9.190	0.000	69435	5.02	
52 1,1'-Biphenyl	154	9.334	9.334	0.000	321552	4.58	
53 2-Chloronaphthalene	162	9.348	9.348	0.000	291095	4.44	
54 Phenyl ether	170	9.440	9.440	0.000	174011	4.76	
68 4-Nitroaniline	138	9.459	9.459	0.000	79607	5.02	
56 Dimethyl phthalate	163	9.646	9.646	0.000	287372	5.05	
63 2,4-Dinitrotoluene	165	9.704	9.704	0.000	65779	5.02	
58 Acenaphthylene	152	9.752	9.752	0.000	388811	5.34	
61 Acenaphthene	153	9.925	9.925	0.000	250315	4.53	
60 2,4-Dinitrophenol	184	9.973	9.973	0.000	9022	5.00	
62 4-Nitrophenol	109	10.036	10.036	0.000	25341	5.00	
64 Dibenzofuran	168	10.098	10.098	0.000	341481	4.55	
57 2,6-Dinitrotoluene	165	10.098	10.098	0.000	78078	5.02	
65 2,3,4,6-Tetrachlorophenol	232	10.223	10.223	0.000	48576	5.03	
66 Diethyl phthalate	149	10.344	10.344	0.000	292620	4.80	
69 Fluorene	166	10.435	10.435	0.000	275666	4.88	
67 4-Chlorophenyl phenyl ether	204	10.440	10.440	0.000	130739	4.64	
59 3-Nitroaniline	138	10.459	10.459	0.000	51283	5.02	
70 4,6-Dinitro-2-methylphenol	198	10.498	10.498	0.000	19910	5.00	
71 Diphenylamine	169	10.560	10.560	0.000	232538	5.28	
72 N-Nitrosodiphenylamine	169	10.560	10.560	0.000	232538	5.28	
73 1,2-Diphenylhydrazine	77	10.599	10.599	0.000	479765	5.80	
74 Azobenzene	77	10.599	10.599	0.000	479765	5.80	
13 Benzophenone	105	10.608	10.608	0.000	287306	5.46	
55 2-Nitroaniline	65	10.921	10.921	0.000	10720	4.58	
75 4-Bromophenyl phenyl ether	248	10.921	10.921	0.000	69127	5.03	
76 Hexachlorobenzene	284	10.978	10.978	0.000	71407	4.65	
77 Atrazine	200	11.094	11.094	0.000	68354	5.15	
78 Pentachlorophenol	266	11.176	11.176	0.000	19026	5.00	
79 Pentachloronitrobenzene	237	11.190	11.190	0.000	31598	5.02	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.378	11.378	0.000	380909	4.49	
81 Anthracene	178	11.426	11.426	0.000	367097	5.51	
83 Carbazole	167	11.589	11.589	0.000	303115	5.33	
84 Di-n-butyl phthalate	149	11.955	11.955	0.000	446744	5.46	
85 Pyrene	202	12.546	12.546	0.000	339452	5.00	
86 Benzidine	184	12.690	12.690	0.000	184014	5.00	
87 Fluoranthene	202	12.767	12.767	0.000	354458	5.24	
89 Butyl benzyl phthalate	149	13.426	13.426	0.000	162431	5.00	
91 3,3'-Dichlorobenzidine	252	13.936	13.936	0.000	178434	5.00	
93 Benzo[a]anthracene	228	13.950	13.950	0.000	259507	5.17	
94 Chrysene	228	13.984	13.984	0.000	247945	4.77	
92 Bis(2-ethylhexyl) phthalate	149	14.003	14.003	0.000	246756	4.61	
95 Di-n-octyl phthalate	149	14.648	14.648	0.000	314164	5.04	
97 Benzo[b]fluoranthene	252	15.008	15.008	0.000	249078	4.82	
98 Benzo[k]fluoranthene	252	15.032	15.032	0.000	230809	4.62	
99 Benzo[a]pyrene	252	15.316	15.316	0.000	180041	5.02	
100 Indeno[1,2,3-cd]pyrene	276	16.316	16.316	0.000	155072	5.03	
101 Dibenz(a,h)anthracene	278	16.326	16.326	0.000	122057	5.03	
102 Benzo[g,h,i]perylene	276	16.557	16.557	0.000	137235	5.09	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 16-Sep-2009 12:05:44 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02948.D

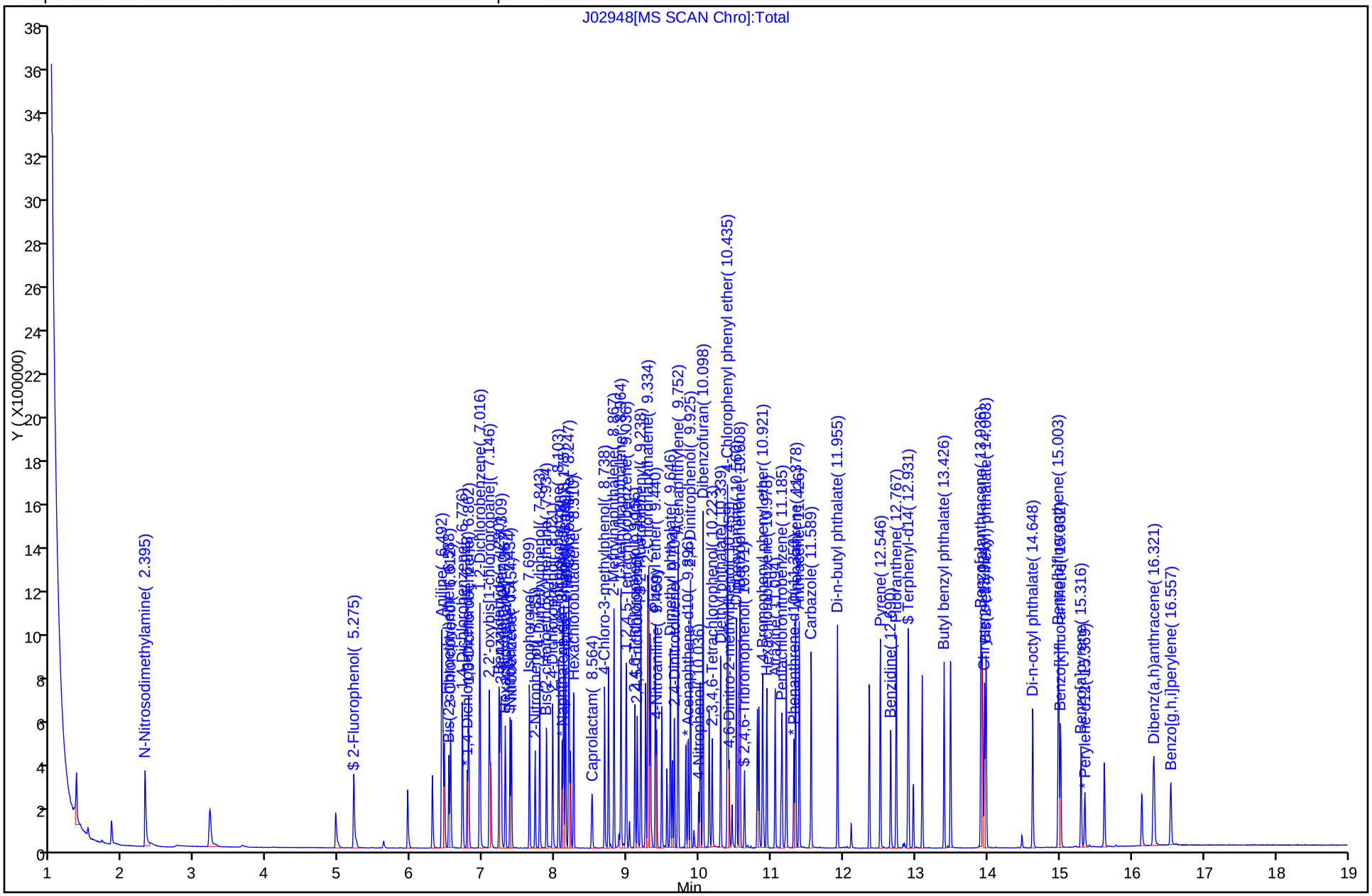
Inj Date: 15-Sep-2009 17:27:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48992 Lims Sample ID: 2

Client ID: Instrument: Inst. J

Sample Info: std5

Sample Amount: 1.00 uL Operator:



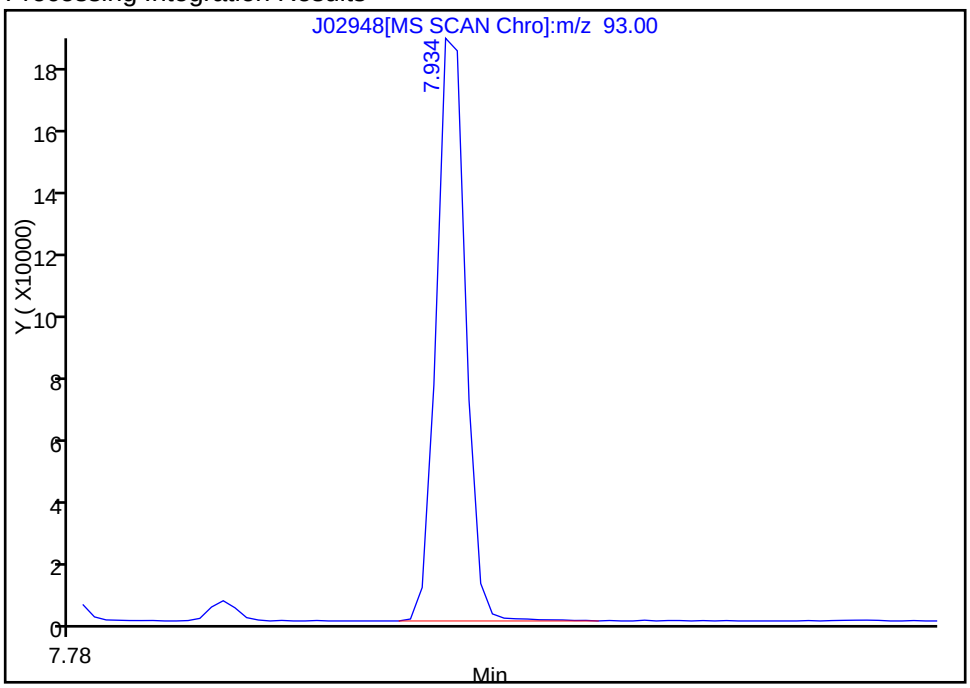
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02948.D		
Inj Date:	15-Sep-2009 17:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	std5		
Sample Amount:	1.00 uL	Operator:	

19 Aniline, Number: 1, m/z: 93 Type: quant, RT: 6.49

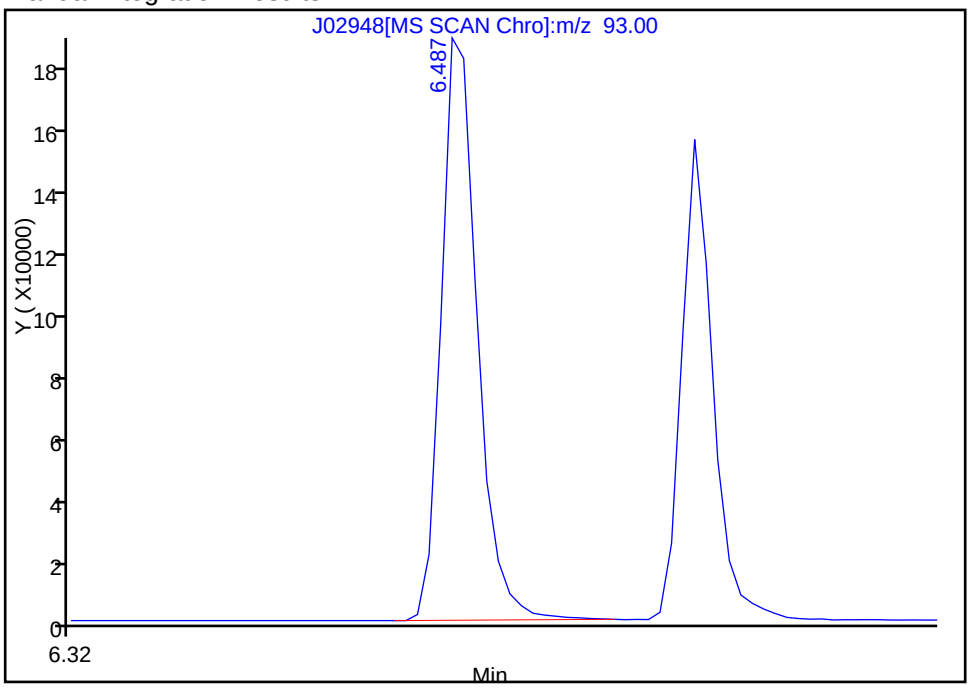
Processing Integration Results

RT: 7.93
Response: 158120
Amount: 4.335099



Manual Integration Results

RT: 6.49
Response: 194974
Amount: 5.008155



Reviewer: sullivanp, 16-Sep-2009 12:05:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

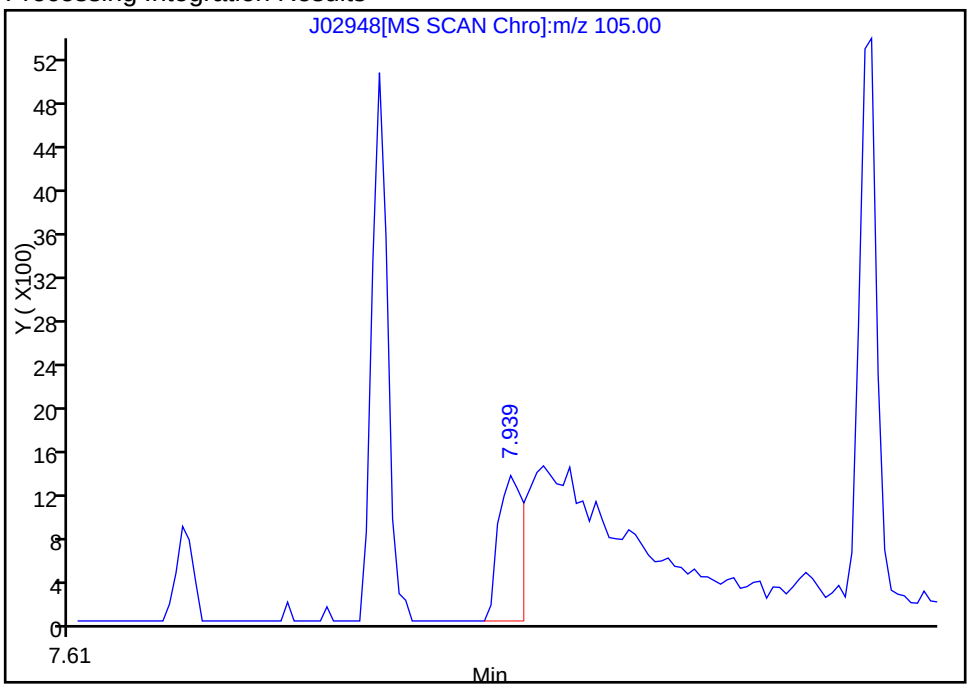
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02948.D		
Inj Date:	15-Sep-2009 17:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	std5		
Sample Amount:	1.00 uL	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.96

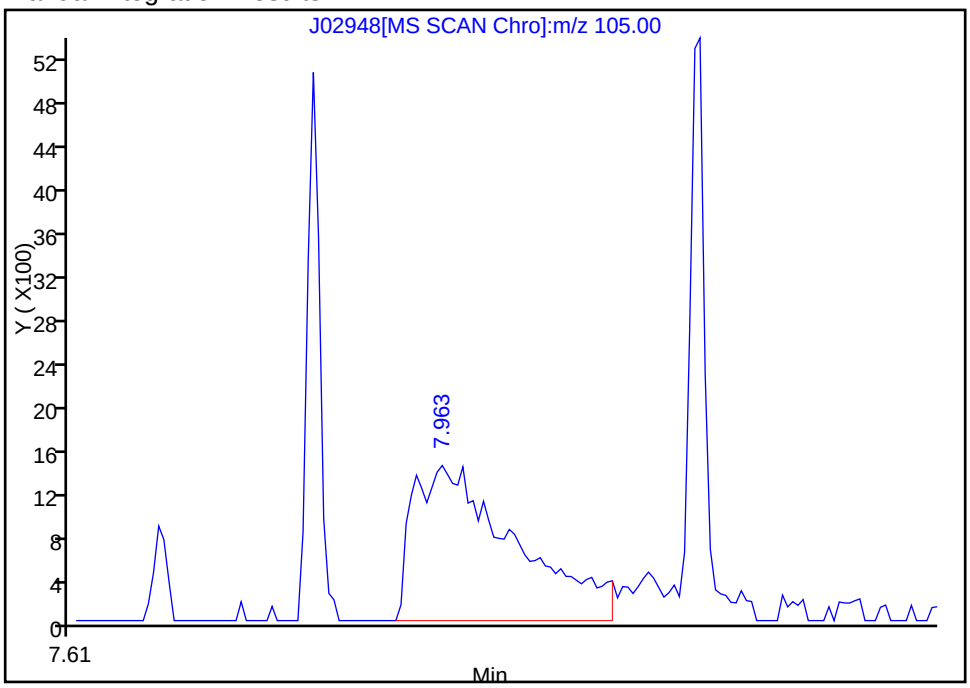
Processing Integration Results

RT: 7.94
Response: 1679
Amount: 5.000000



Manual Integration Results

RT: 7.96
Response: 9409
Amount: 5.000000



Reviewer: sullivanp, 16-Sep-2009 11:56:30
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02949.D		
Lims ID:	STD01	Client ID:	
Inject. Date:	15-Sep-2009 17:57:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	std01		
Misc. Info.:	360-0001180-003		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	48992	Lims Sample ID:	3
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\8270NDMA.m		
Last Update:	16-Sep-2009 12:06:16	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	16-Sep-2009 11:59:15
Reviewed By:	sullivanp	Date:	16-Sep-2009 12:06:16

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.840	6.843	-0.003	72177	2.00	
* 2 Naphthalene-d8	136	8.153	8.156	-0.003	181981	2.00	
* 3 Acenaphthene-d10	164	9.894	9.896	-0.002	88302	2.00	
* 4 Phenanthrene-d10	188	11.351	11.353	-0.002	145176	2.00	
* 5 Chrysene-d12	240	13.957	13.960	-0.003	96210	2.00	
* 6 Perylene-d12	264	15.366	15.369	-0.003	60682	2.00	
$ 7 2-Fluorophenol	112	5.282	5.275	0.007	2207	0.1017	
$ 8 Phenol-d5	99	6.494	6.492	0.002	2797	0.1058	
$ 9 Nitrobenzene-d5	82	7.437	7.434	0.003	2283	0.0904	
$ 10 2-Fluorobiphenyl	172	9.240	9.238	0.002	5844	0.1041	
$ 11 2,4,6-Tribromophenol	330	10.673	10.671	0.002	170	0.1116	
$ 12 Terphenyl-d14	244	12.933	12.936	-0.003	3768	0.1030	
14 1,4-Dioxane	88	1.940	1.933	0.007	2141	0.1024	
15 N-Nitrosodimethylamine	74	2.416	2.395	0.021	1080	0.0974	
19 Aniline	93	6.489	6.489	0.000	3014	0.0999	M
18 Phenol	94	6.508	6.506	0.002	3370	0.1042	
20 Bis(2-chloroethyl)ether	93	6.590	6.588	0.002	2662	0.1083	
21 2-Chlorophenol	128	6.614	6.612	0.002	2228	0.1005	
22 1,4-Dichlorobenzene	146	6.778	6.776	0.002	3062	0.1089	
23 1,3-Dichlorobenzene	146	6.860	6.862	-0.002	3105	0.1062	
24 Benzyl alcohol	79	7.013	7.011	0.002	1635	0.1028	
25 1,2-Dichlorobenzene	146	7.018	7.021	-0.003	3168	0.0969	
26 2-Methylphenol	108	7.143	7.146	-0.003	1895	0.0972	
27 2,2'-oxybis[1-chloropropane]	45	7.167	7.165	0.002	2637	0.1085	
30 Acetophenone	105	7.283	7.280	0.003	2917	0.0993	
17 Benzaldehyde	105	7.283	7.280	0.003	2917	0.0993	
29 N-Nitrosodi-n-propylamine	70	7.302	7.300	0.002	1432	0.0987	
28 3 & 4 Methylphenol	108	7.312	7.309	0.003	1874	0.0939	
31 Hexachloroethane	117	7.369	7.367	0.002	1098	0.1091	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.456	7.454	0.002	2323	0.0896	
33 Isophorone	82	7.701	7.699	0.002	3274	0.1026	
34 2-Nitrophenol	139	7.783	7.781	0.002	723	0.1109	
35 2,4-Dimethylphenol	107	7.841	7.843	-0.002	1667	0.1013	
37 Bis(2-chloroethoxy)methane	93	7.937	7.934	0.003	2876	0.0988	
38 2,4-Dichlorophenol	162	8.023	8.021	0.002	1336	0.1027	
39 1,2,4-Trichlorobenzene	180	8.105	8.103	0.002	2403	0.0987	
41 Naphthalene	128	8.172	8.175	-0.003	8448	0.1017	
40 Alpha-Terpineol	59	8.201	8.199	0.002	1336	0.0913	
42 4-Chloroaniline	127	8.244	8.242	0.002	2043	0.1003	
43 Hexachlorobutadiene	225	8.312	8.314	-0.002	1182	0.0926	
44 Caprolactam	55	8.552	8.564	-0.012	536	0.1263	
45 4-Chloro-3-methylphenol	107	8.735	8.738	-0.003	1442	0.1105	
46 2-Methylnaphthalene	142	8.870	8.867	0.003	4960	0.0987	
47 1-Methylnaphthalene	142	8.966	8.964	0.002	5098	0.1005	
49 1,2,4,5-Tetrachlorobenzene	216	9.038	9.040	-0.002	2056	0.0999	
50 2,4,6-Trichlorophenol	196	9.158	9.156	0.002	675	0.1028	
51 2,4,5-Trichlorophenol	196	9.187	9.190	-0.003	741	0.1134	
52 1,1'-Biphenyl	154	9.336	9.334	0.002	6456	0.1041	
53 2-Chloronaphthalene	162	9.346	9.348	-0.002	6151	0.1060	
54 Phenyl ether	170	9.442	9.440	0.002	3536	0.1025	
68 4-Nitroaniline	138	9.456	9.459	-0.003	728	0.1124	
56 Dimethyl phthalate	163	9.644	9.646	-0.002	4815	0.0957	
63 2,4-Dinitrotoluene	165	9.702	9.704	-0.002	619	0.1101	M
58 Acenaphthylene	152	9.754	9.752	0.002	5793	0.0900	
61 Acenaphthene	153	9.923	9.925	-0.002	5115	0.1047	
64 Dibenzofuran	168	10.096	10.098	-0.002	6850	0.1033	
57 2,6-Dinitrotoluene	165	10.101	10.098	0.003	563	0.1147	M
65 2,3,4,6-Tetrachlorophenol	232	10.221	10.223	-0.002	206	0.1188	
66 Diethyl phthalate	149	10.341	10.344	-0.003	5637	0.1045	
69 Fluorene	166	10.432	10.435	-0.003	5029	0.1006	
67 4-Chlorophenyl phenyl ether	204	10.442	10.440	0.002	2592	0.1041	
59 3-Nitroaniline	138	10.457	10.459	-0.003	356	0.1125	
72 N-Nitrosodiphenylamine	169	10.557	10.560	-0.003	3469	0.0892	
71 Diphenylamine	169	10.557	10.560	-0.003	3469	0.0892	
74 Azobenzene	77	10.596	10.599	-0.002	6290	0.0860	
73 1,2-Diphenylhydrazine	77	10.596	10.599	-0.002	6290	0.0860	
13 Benzophenone	105	10.610	10.608	0.002	4109	0.0883	
75 4-Bromophenyl phenyl ether	248	10.923	10.921	0.002	1162	0.0957	
76 Hexachlorobenzene	284	10.976	10.978	-0.002	1347	0.0992	
77 Atrazine	200	11.091	11.094	-0.003	735	0.1019	
79 Pentachloronitrobenzene	237	11.187	11.190	-0.003	262	0.1149	
80 Phenanthrene	178	11.375	11.378	-0.003	7908	0.1055	
81 Anthracene	178	11.428	11.426	0.002	5260	0.0892	
83 Carbazole	167	11.591	11.589	0.002	4585	0.0911	
84 Di-n-butyl phthalate	149	11.952	11.955	-0.003	7483	0.1034	
85 Pyrene	202	12.548	12.546	0.002	5024	0.1108	
87 Fluoranthene	202	12.765	12.767	-0.002	5446	0.0910	
89 Butyl benzyl phthalate	149	13.424	13.426	-0.002	1354	0.1458	
91 3,3'-Dichlorobenzidine	252	13.933	13.936	-0.003	1418	0.1493	
93 Benzo[a]anthracene	228	13.953	13.950	0.002	3960	0.0993	
94 Chrysene	228	13.981	13.984	-0.003	5956	0.1014	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
92 Bis(2-ethylhexyl) phthalate	149	14.005	14.003	0.002	2458	0.1292	
95 Di-n-octyl phthalate	149	14.645	14.648	-0.003	2050	0.1243	M
97 Benzo[b]fluoranthene	252	15.006	15.008	-0.002	3521	0.1044	
98 Benzo[k]fluoranthene	252	15.034	15.032	0.002	3359	0.1029	
99 Benzo[a]pyrene	252	15.318	15.316	0.002	1436	0.1135	
100 Indeno[1,2,3-cd]pyrene	276	16.314	16.316	-0.002	1552	0.1199	
101 Dibenz(a,h)anthracene	278	16.323	16.326	-0.003	1052	0.1159	
102 Benzo[g,h,i]perylene	276	16.554	16.557	-0.003	1778	0.1010	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 16-Sep-2009 12:06:17 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02949.D

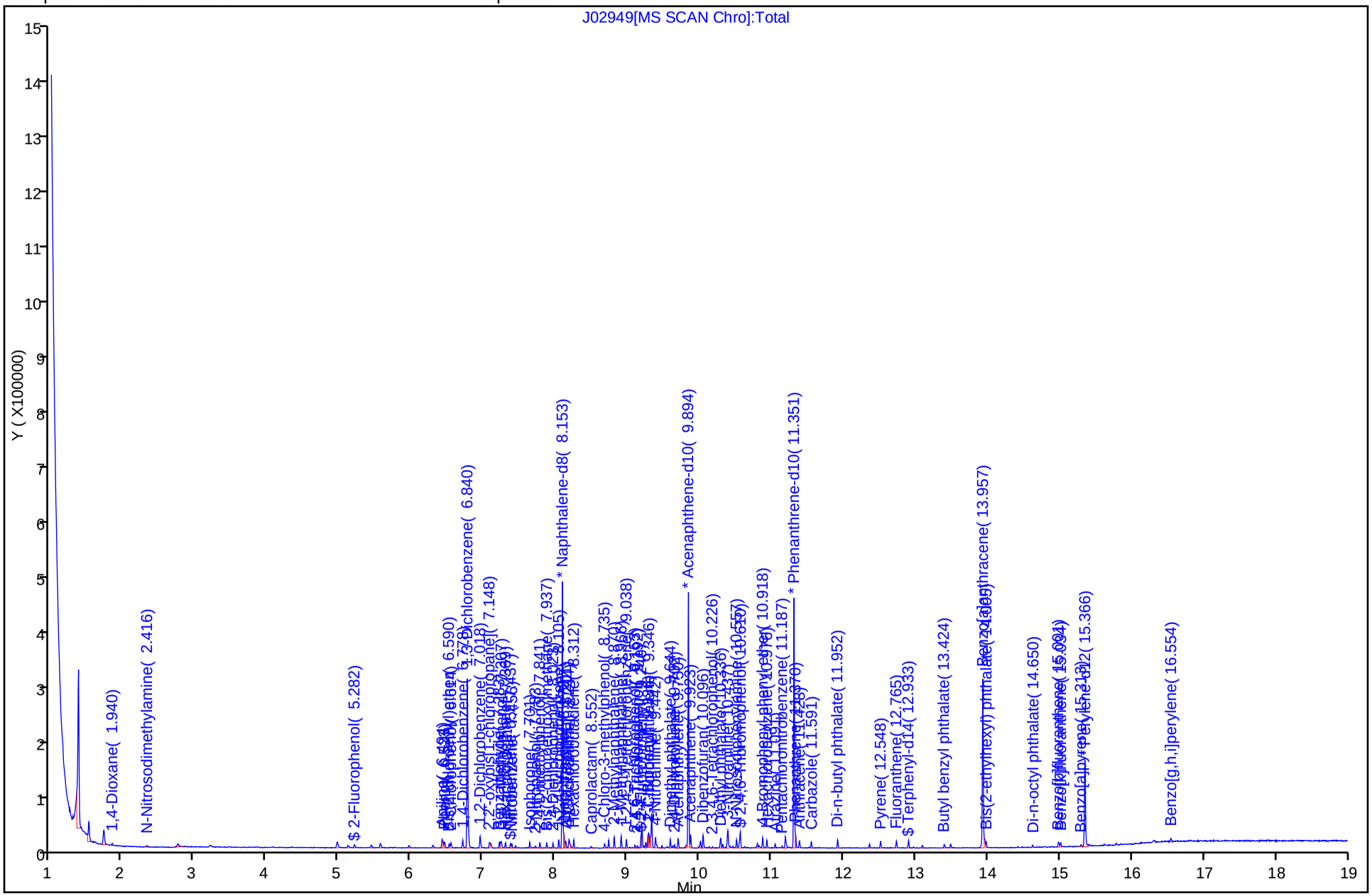
Inj Date: 15-Sep-2009 17:57:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48992 Lims Sample ID: 3

Client ID: Instrument: Inst. J

Sample Info: std01

Sample Amount: 1.00 uL Operator:



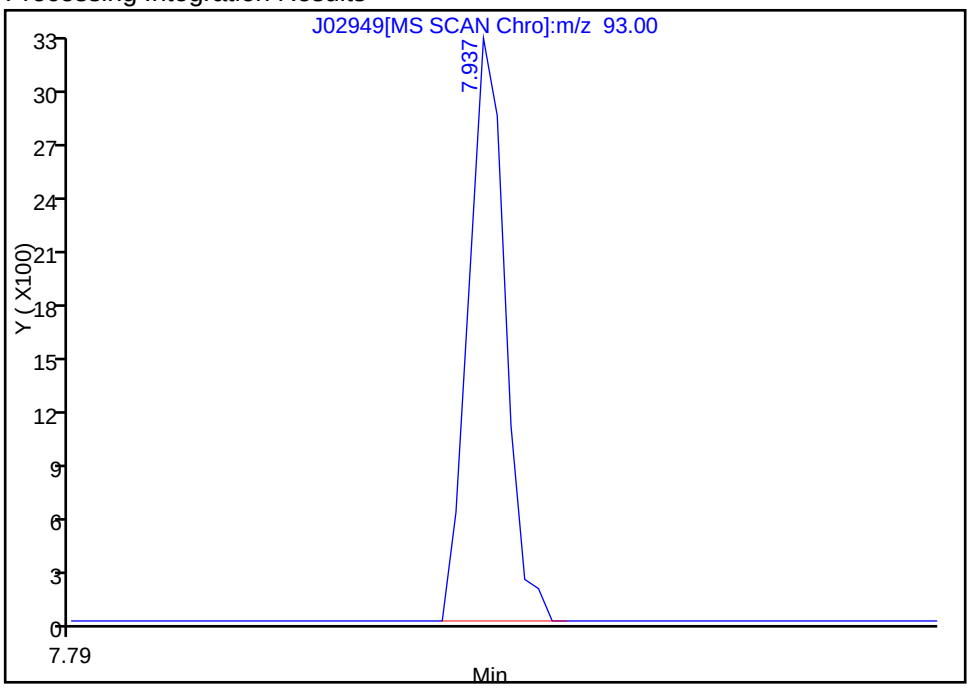
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02949.D		
Inj Date:	15-Sep-2009 17:57:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	std01		
Sample Amount:	1.00 uL	Operator:	

19 Aniline, Number: 1, m/z: 93 Type: quant, RT: 6.49

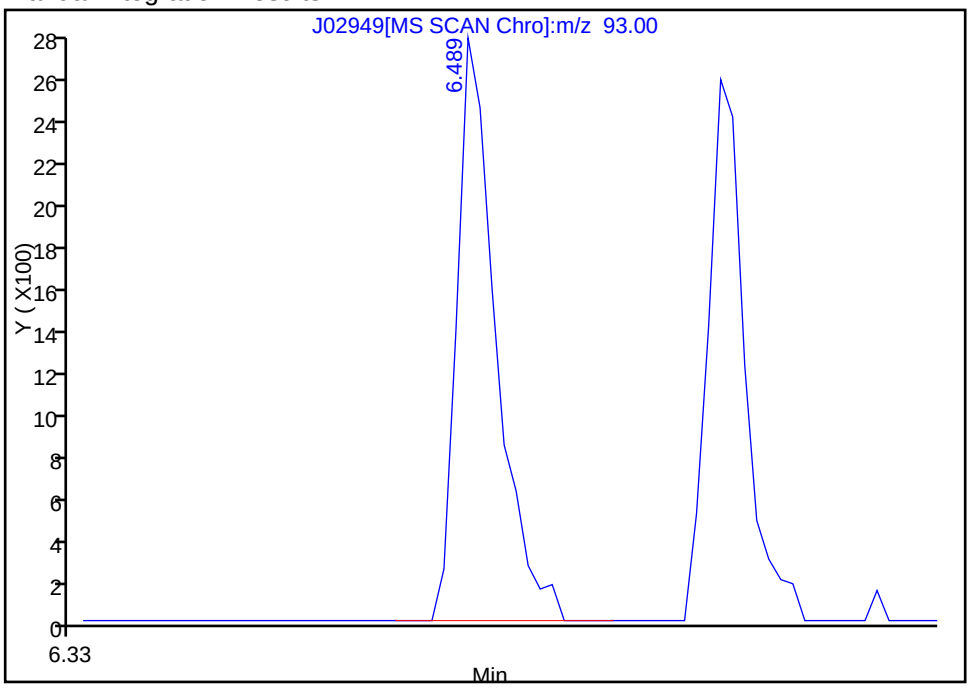
Processing Integration Results

RT: 7.94
Response: 2876
Amount: 0.096770



Manual Integration Results

RT: 6.49
Response: 3014
Amount: 0.099867



Reviewer: sullivanp, 16-Sep-2009 12:06:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02949.D		
Inj Date:	15-Sep-2009 17:57:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	std01		
Sample Amount:	1.00 uL	Operator:	

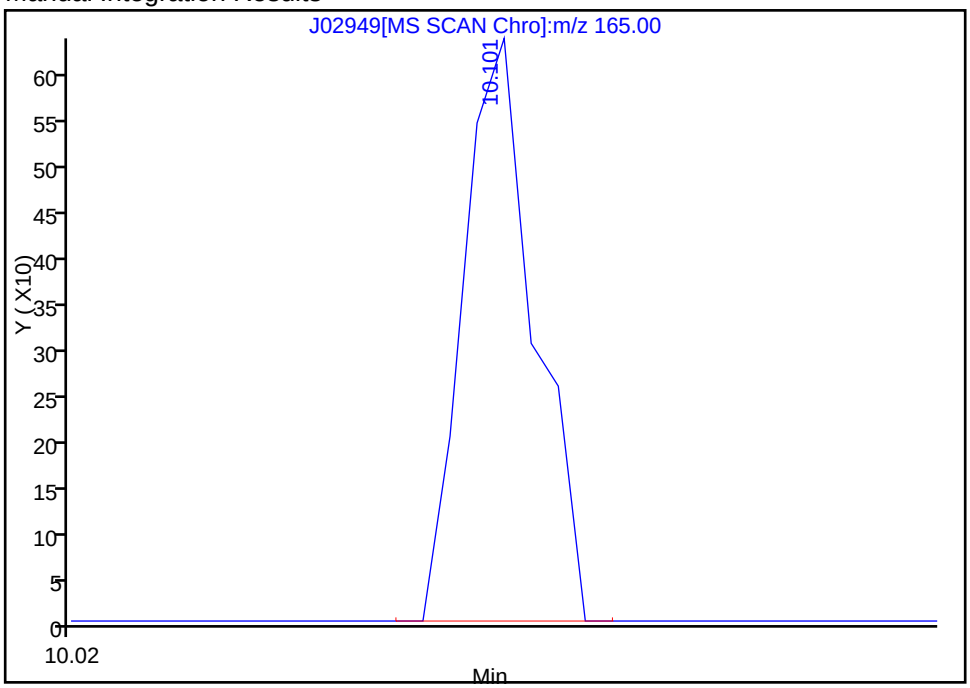
57 2,6-Dinitrotoluene, Number: 1, m/z: 165 Type: quant, RT: 10.10

Processing Integration Results

Not Detected
Expected RT: 10.10

Manual Integration Results

RT: 10.10
Response: 563
Amount: 0.114711



Reviewer: sullivanp, 16-Sep-2009 11:59:15
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02949.D		
Inj Date:	15-Sep-2009 17:57:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	std01		
Sample Amount:	1.00 uL	Operator:	

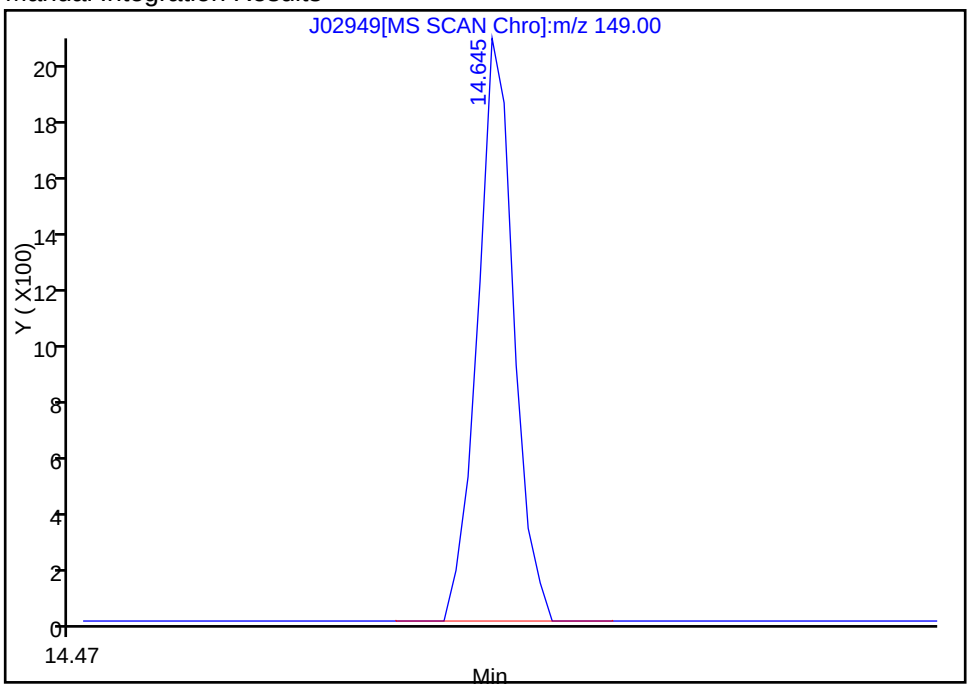
95 Di-n-octyl phthalate, Number: 1, m/z: 149 Type: quant, RT: 14.65

Processing Integration Results

Not Detected
Expected RT: 14.65

Manual Integration Results

RT: 14.64
Response: 2050
Amount: 0.124333



Reviewer: sullivanp, 16-Sep-2009 11:59:15
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02949.D		
Inj Date:	15-Sep-2009 17:57:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	std01		
Sample Amount:	1.00 uL	Operator:	

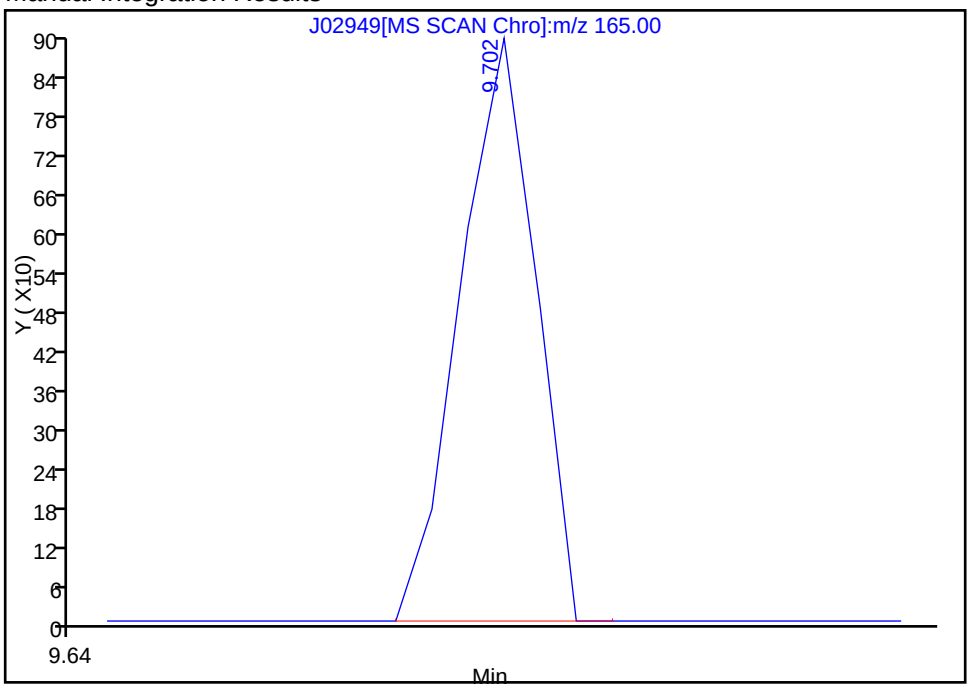
63 2,4-Dinitrotoluene, Number: 1, m/z: 165 Type: quant, RT: 9.70

Processing Integration Results

Not Detected
Expected RT: 9.70

Manual Integration Results

RT: 9.70
Response: 619
Amount: 0.110055



Reviewer: sullivanp, 16-Sep-2009 11:59:15
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02950.D		
Lims ID:	STD025	Client ID:	
Inject. Date:	15-Sep-2009 18:26:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	std025		
Misc. Info.:	360-0001180-004		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	48992	Lims Sample ID:	4
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\8270NDMA.m		
Last Update:	16-Sep-2009 12:04:55	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 16-Sep-2009 12:04:55

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.839	6.843	-0.004	73403	2.00	
* 2 Naphthalene-d8	136	8.152	8.156	-0.004	180485	2.00	
* 3 Acenaphthene-d10	164	9.893	9.896	-0.003	87590	2.00	
* 4 Phenanthrene-d10	188	11.350	11.353	-0.003	141170	2.00	
* 5 Chrysene-d12	240	13.956	13.960	-0.004	95283	2.00	
* 6 Perylene-d12	264	15.365	15.369	-0.004	58489	2.00	
$ 7 2-Fluorophenol	112	5.281	5.275	0.006	5815	0.2636	
$ 8 Phenol-d5	99	6.493	6.492	0.001	6898	0.2566	
$ 9 Nitrobenzene-d5	82	7.435	7.434	0.001	5959	0.2378	
$ 10 2-Fluorobiphenyl	172	9.239	9.238	0.001	14482	0.2601	
$ 11 2,4,6-Tribromophenol	330	10.672	10.671	0.001	689	0.2202	
$ 12 Terphenyl-d14	244	12.932	12.936	-0.004	9142	0.2523	
14 1,4-Dioxane	88	1.934	1.933	0.001	3152	0.2348	
16 Pyridine	79	2.468	2.395	0.073	3398	0.2500	
15 N-Nitrosodimethylamine	74	2.405	2.395	0.010	3167	0.2807	
18 Phenol	94	6.507	6.506	0.001	8655	0.2632	
20 Bis(2-chloroethyl)ether	93	6.589	6.588	0.001	6547	0.2620	
21 2-Chlorophenol	128	6.613	6.612	0.001	5869	0.2603	
22 1,4-Dichlorobenzene	146	6.777	6.776	0.001	7638	0.2670	
23 1,3-Dichlorobenzene	146	6.858	6.862	-0.004	8209	0.2760	
24 Benzyl alcohol	79	7.012	7.011	0.001	3637	0.2248	
25 1,2-Dichlorobenzene	146	7.017	7.021	-0.004	7315	0.2701	
26 2-Methylphenol	108	7.147	7.146	0.001	5214	0.2629	
27 2,2'-oxybis[1-chloropropane]	45	7.166	7.165	0.001	6682	0.2703	
30 Acetophenone	105	7.282	7.280	0.002	7722	0.2585	
17 Benzaldehyde	105	7.282	7.280	0.002	7722	0.2585	
29 N-Nitrosodi-n-propylamine	70	7.301	7.300	0.001	3672	0.2488	
28 3 & 4 Methylphenol	108	7.310	7.309	0.001	5282	0.2603	
31 Hexachloroethane	117	7.368	7.367	0.001	2658	0.2596	
32 Nitrobenzene	77	7.455	7.454	0.001	6241	0.2428	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	7.700	7.699	0.001	9438	0.2334	
34 2-Nitrophenol	139	7.782	7.781	0.001	2085	0.2219	
35 2,4-Dimethylphenol	107	7.844	7.843	0.001	4985	0.2419	
37 Bis(2-chloroethoxy)methane	93	7.936	7.934	0.002	7123	0.2468	
19 Aniline	93	6.488	6.488	0.000	7788	0.2750	M
38 2,4-Dichlorophenol	162	8.022	8.021	0.001	3743	0.2326	
39 1,2,4-Trichlorobenzene	180	8.104	8.103	0.001	6398	0.2649	
41 Naphthalene	128	8.176	8.175	0.001	21160	0.2568	
40 Alpha-Terpineol	59	8.200	8.199	0.001	3305	0.2278	
42 4-Chloroaniline	127	8.243	8.242	0.001	6567	0.2481	
43 Hexachlorobutadiene	225	8.311	8.314	-0.003	3479	0.2748	
44 Caprolactam	55	8.546	8.564	-0.018	952	0.1821	
45 4-Chloro-3-methylphenol	107	8.734	8.738	-0.004	3950	0.2229	
46 2-Methylnaphthalene	142	8.868	8.867	0.001	12781	0.2564	
47 1-Methylnaphthalene	142	8.965	8.964	0.001	12650	0.2515	
48 Hexachlorocyclopentadiene	237	9.032	9.031	0.001	370	0.2500	
49 1,2,4,5-Tetrachlorobenzene	216	9.037	9.040	-0.003	5293	0.2593	
50 2,4,6-Trichlorophenol	196	9.157	9.156	0.001	2118	0.2321	
51 2,4,5-Trichlorophenol	196	9.191	9.190	0.001	1987	0.2155	
52 1,1'-Biphenyl	154	9.335	9.334	0.001	16039	0.2607	
53 2-Chloronaphthalene	162	9.349	9.348	0.001	15142	0.2631	
54 Phenyl ether	170	9.441	9.440	0.001	8746	0.2557	
68 4-Nitroaniline	138	9.455	9.459	-0.004	2211	0.2181	
56 Dimethyl phthalate	163	9.643	9.646	-0.003	12904	0.2585	
63 2,4-Dinitrotoluene	165	9.700	9.700	0.000	1940	0.2241	M
58 Acenaphthylene	152	9.753	9.752	0.001	16482	0.2581	
61 Acenaphthene	153	9.926	9.925	0.001	12689	0.2618	
64 Dibenzofuran	168	10.099	10.098	0.001	17361	0.2640	
57 2,6-Dinitrotoluene	165	10.099	10.099	0.000	1905	0.2121	M
65 2,3,4,6-Tetrachlorophenol	232	10.225	10.223	0.002	918	0.2015	
66 Diethyl phthalate	149	10.340	10.344	-0.004	13318	0.2489	
69 Fluorene	166	10.431	10.435	-0.004	12621	0.2546	
67 4-Chlorophenyl phenyl ether	204	10.441	10.440	0.001	6367	0.2578	
59 3-Nitroaniline	138	10.455	10.459	-0.004	1310	0.2178	
71 Diphenylamine	169	10.556	10.560	-0.004	9944	0.2629	
72 N-Nitrosodiphenylamine	169	10.556	10.560	-0.004	9944	0.2629	
73 1,2-Diphenylhydrazine	77	10.595	10.599	-0.003	17398	0.2448	
74 Azobenzene	77	10.595	10.599	-0.003	17398	0.2448	
13 Benzophenone	105	10.609	10.608	0.001	11602	0.2564	
55 2-Nitroaniline	65	10.917	10.917	0.000	556	0.2710	M
75 4-Bromophenyl phenyl ether	248	10.922	10.921	0.001	3060	0.2591	
76 Hexachlorobenzene	284	10.979	10.978	0.001	3558	0.2695	
77 Atrazine	200	11.090	11.094	-0.004	2280	0.2379	
79 Pentachloronitrobenzene	237	11.186	11.190	-0.004	785	0.2116	
80 Phenanthrene	178	11.374	11.378	-0.004	19055	0.2615	
81 Anthracene	178	11.427	11.426	0.001	14417	0.2515	
83 Carbazole	167	11.590	11.589	0.001	12524	0.2559	
84 Di-n-butyl phthalate	149	11.956	11.955	0.001	15404	0.2188	
85 Pyrene	202	12.547	12.546	0.001	14016	0.2386	
86 Benzidine	184	12.687	12.690	-0.003	1254	0.2500	
87 Fluoranthene	202	12.768	12.767	0.001	15163	0.2606	
89 Butyl benzyl phthalate	149	13.427	13.426	0.001	3269	0.2019	

Report Date: 16-Sep-2009 12:04:56 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02950.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
91 3,3'-Dichlorobenzidine	252	13.932	13.936	-0.004	3253	0.1982	
93 Benzo[a]anthracene	228	13.951	13.950	0.001	8630	0.2186	
94 Chrysene	228	13.985	13.984	0.001	11587	0.2417	
92 Bis(2-ethylhexyl) phthalate	149	14.004	14.003	0.001	5104	0.1915	
95 Di-n-octyl phthalate	149	14.649	14.649	0.000	4484	0.1872	M
97 Benzo[b]fluoranthene	252	15.009	15.008	0.001	8063	0.2479	
98 Benzo[k]fluoranthene	252	15.033	15.032	0.001	8235	0.2617	
99 Benzo[a]pyrene	252	15.317	15.316	0.001	3701	0.2151	
100 Indeno[1,2,3-cd]pyrene	276	16.312	16.316	-0.004	3038	0.1987	
101 Dibenz(a,h)anthracene	278	16.327	16.326	0.001	2453	0.2090	
102 Benzo[g,h,i]perylene	276	16.553	16.557	-0.004	4122	0.2429	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 16-Sep-2009 12:04:56 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02950.D

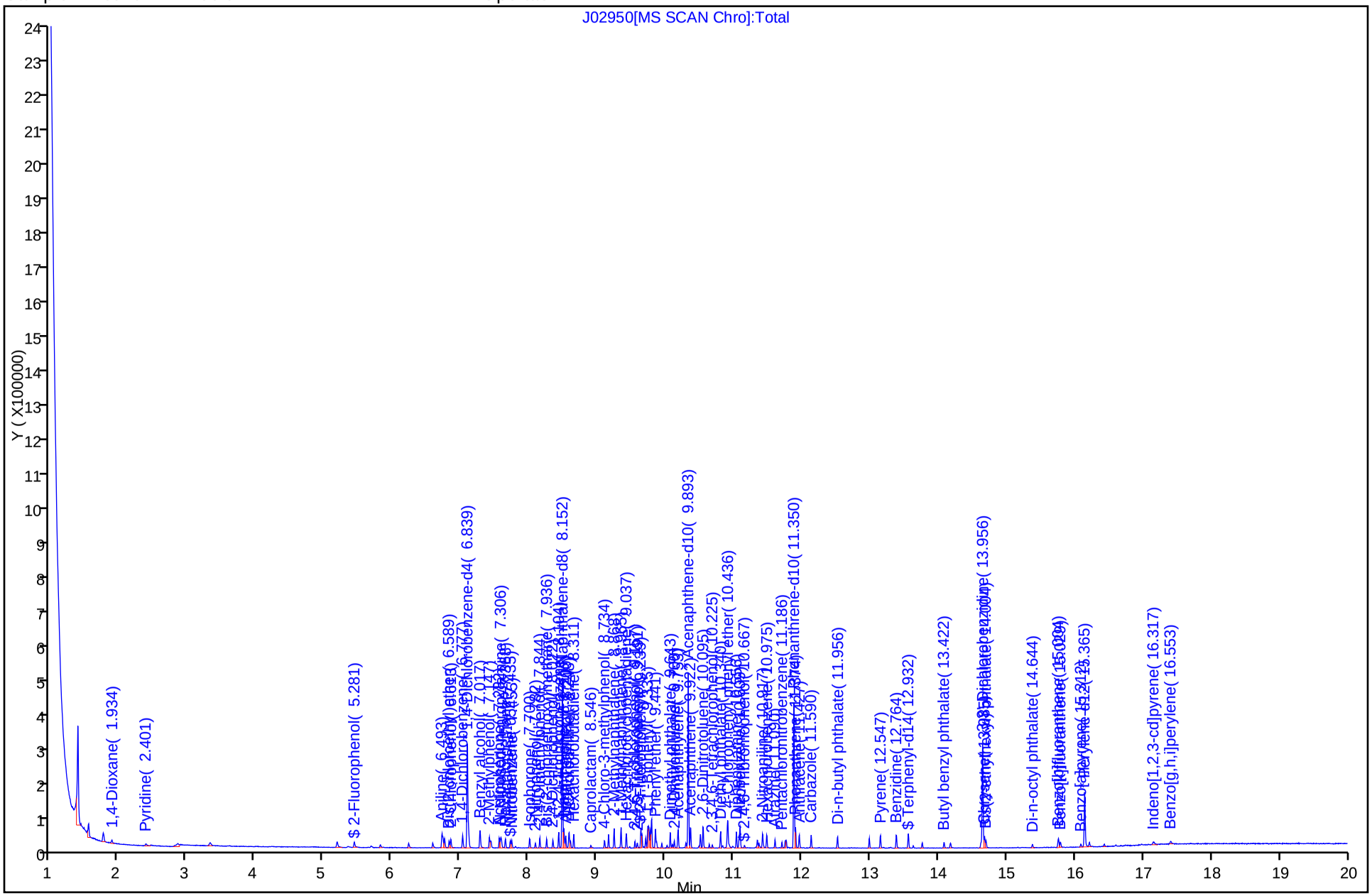
Inj Date: 15-Sep-2009 18:26:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48992 Lims Sample ID: 4

Client ID: Instrument: Inst. J

Sample Info: std025

Sample Amount: 1.00 uL Operator:



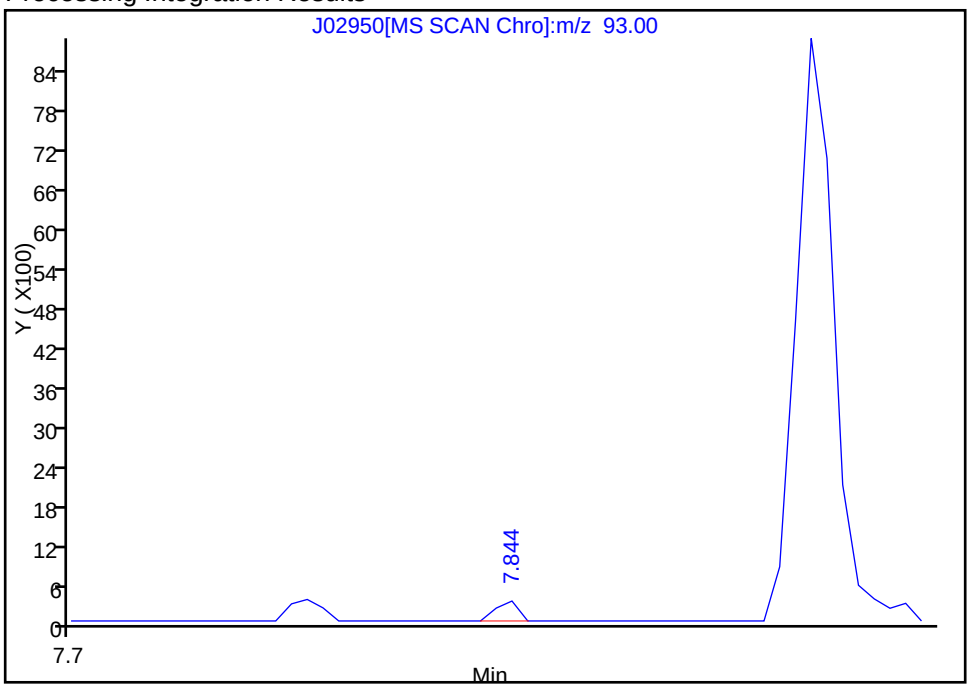
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02950.D		
Inj Date:	15-Sep-2009 18:26:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	std025		
Sample Amount:	1.00 uL	Operator:	

19 Aniline, Number: 1, m/z: 93 Type: quant, RT: 6.49

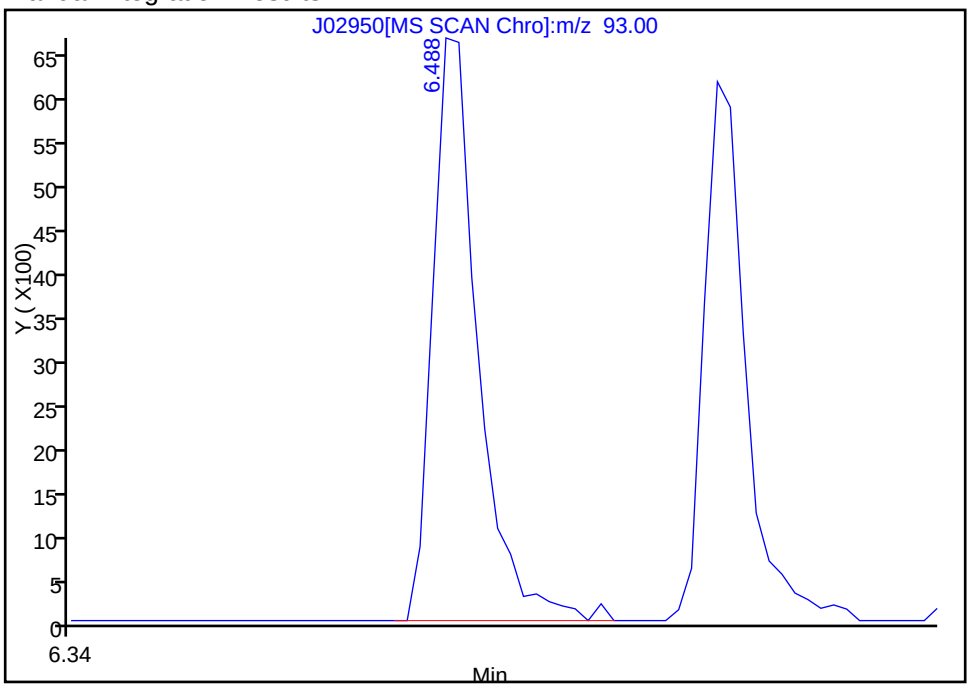
Processing Integration Results

RT: 7.84
Response: 144
Amount: 0.117561



Manual Integration Results

RT: 6.49
Response: 7788
Amount: 0.275025



Reviewer: sullivanp, 16-Sep-2009 12:04:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02950.D		
Inj Date:	15-Sep-2009 18:26:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	std025		
Sample Amount:	1.00 uL	Operator:	

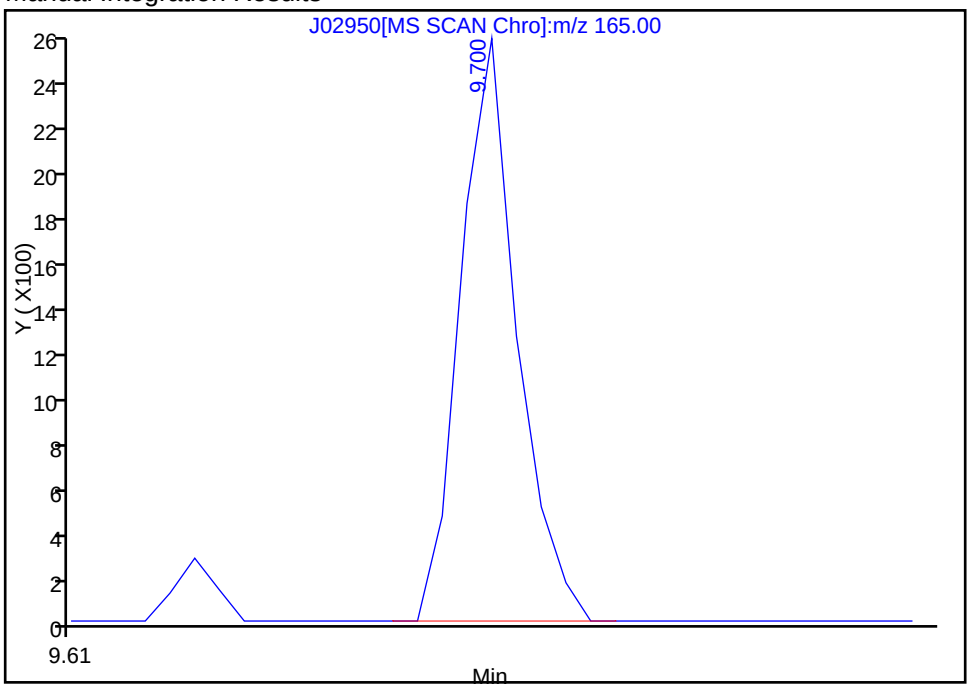
63 2,4-Dinitrotoluene, Number: 1, m/z: 165 Type: quant, RT: 9.70

Processing Integration Results

Not Detected
Expected RT: 9.70

Manual Integration Results

RT: 9.70
Response: 1940
Amount: 0.224068



Reviewer: sullivanp, 16-Sep-2009 12:04:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02950.D		
Inj Date:	15-Sep-2009 18:26:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	std025		
Sample Amount:	1.00 uL	Operator:	

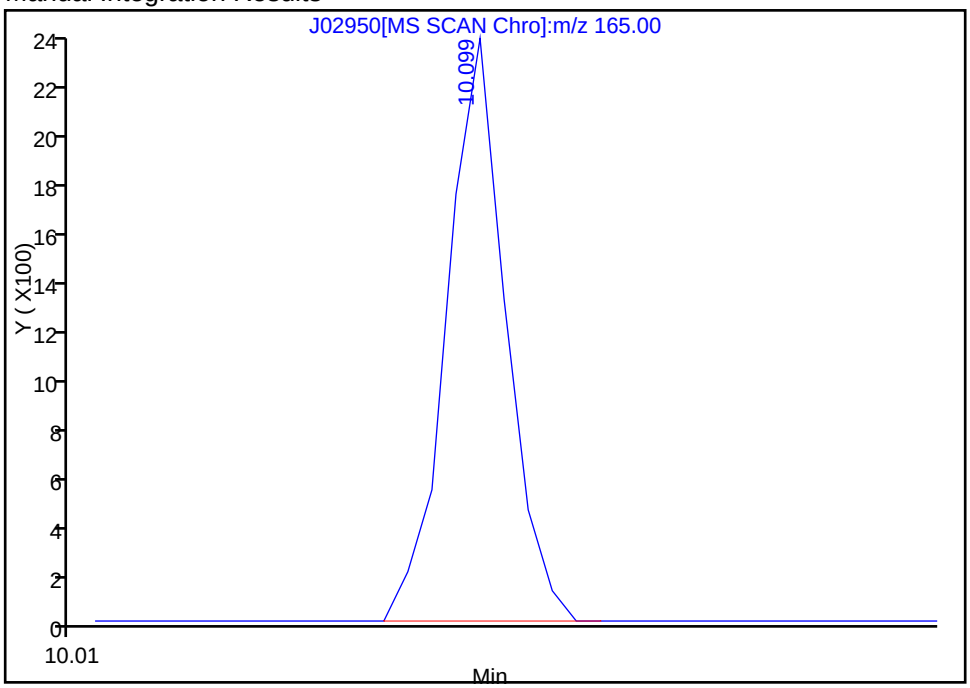
57 2,6-Dinitrotoluene, Number: 1, m/z: 165 Type: quant, RT: 10.10

Processing Integration Results

Not Detected
Expected RT: 10.10

Manual Integration Results

RT: 10.10
Response: 1905
Amount: 0.212061



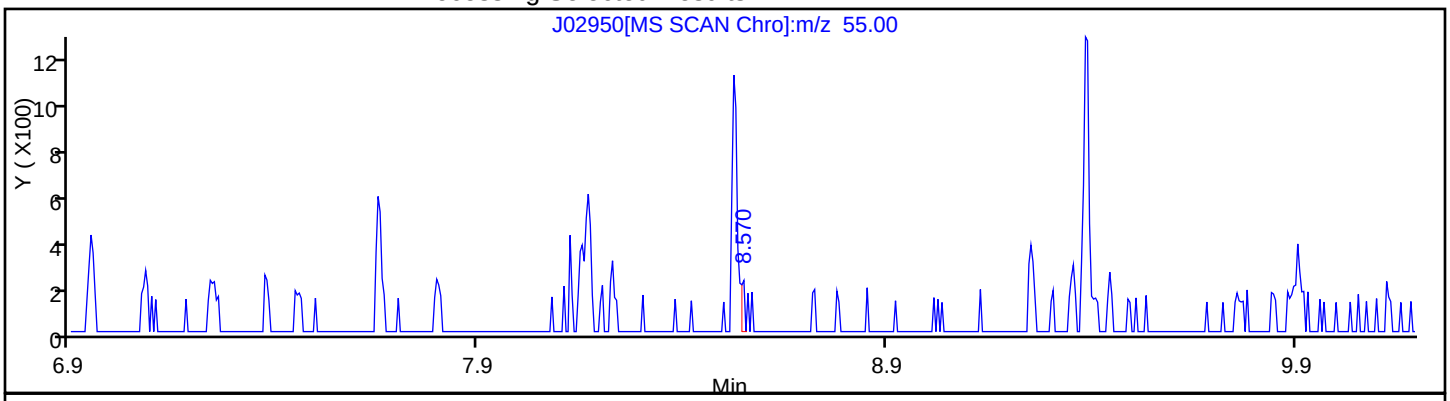
Reviewer: sullivanp, 16-Sep-2009 12:04:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

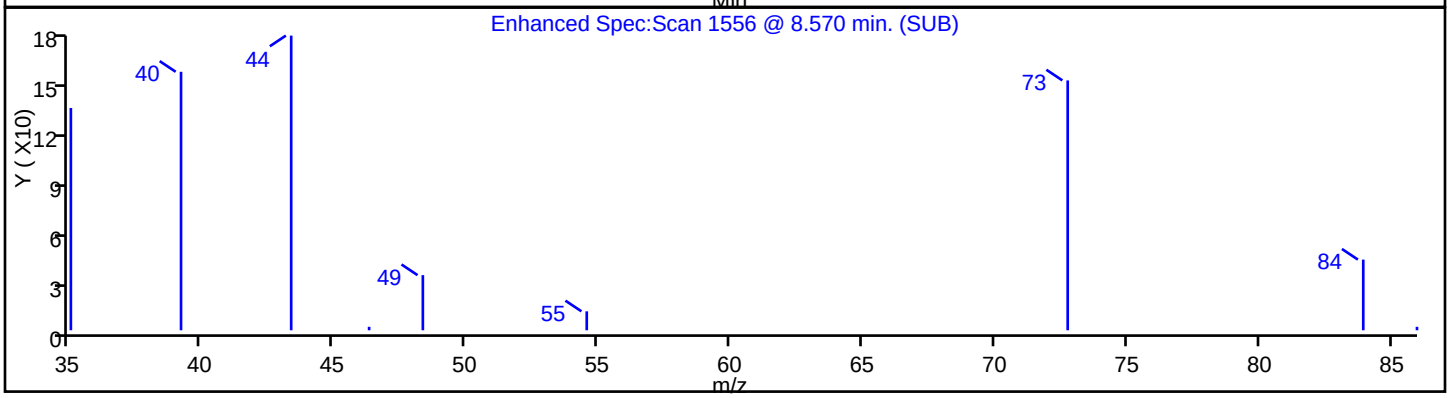
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02950.D		
Inj Date:	15-Sep-2009 18:26:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	std025		
Sample Amount:	1.00 uL	Operator:	

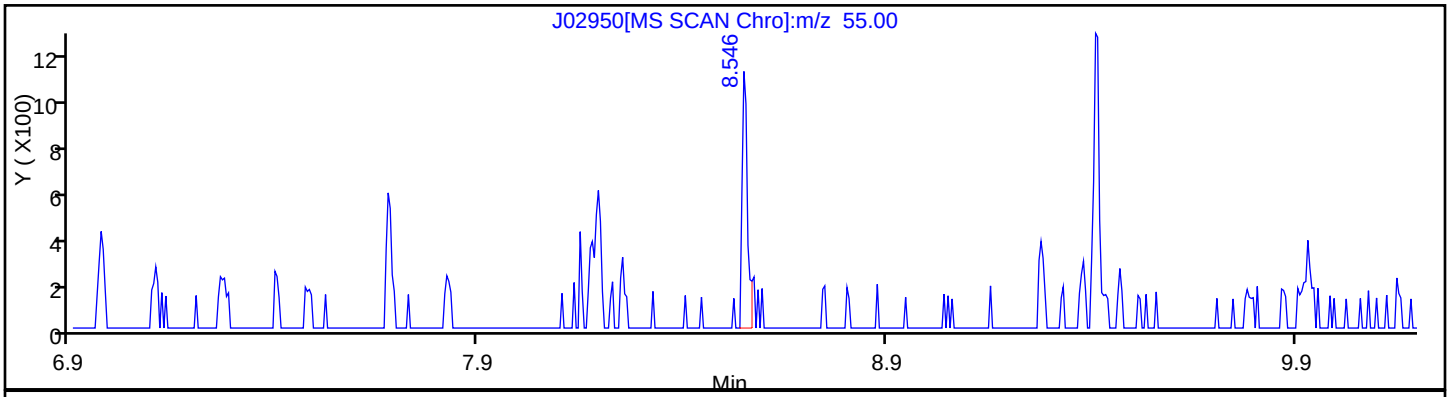
44 Caprolactam

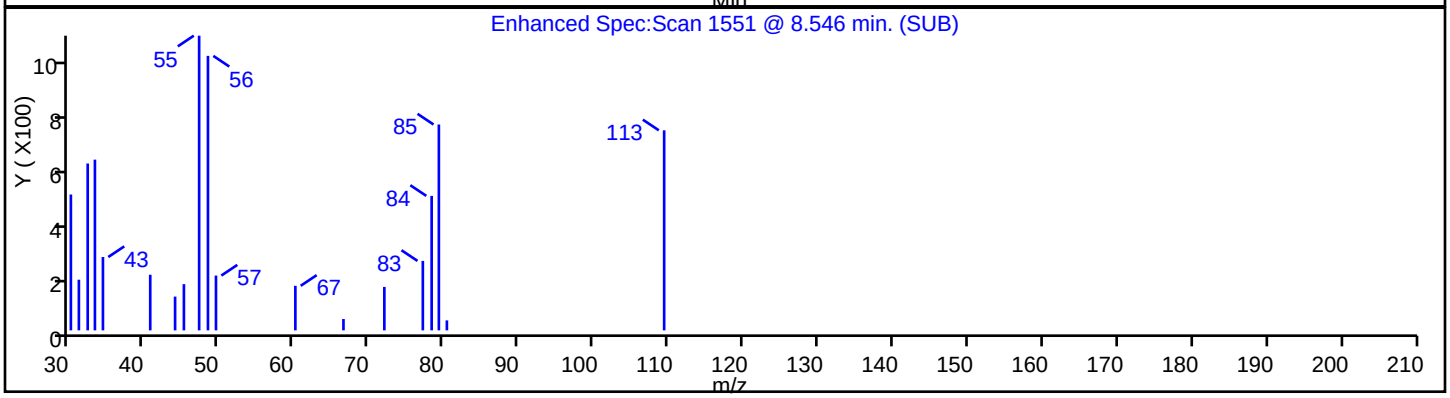
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 16-Sep-2009 12:04:55
Audit Action: Selected Alternate Hit
Audit Reason:

Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02950.D		
Inj Date:	15-Sep-2009 18:26:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	std025		
Sample Amount:	1.00 uL	Operator:	

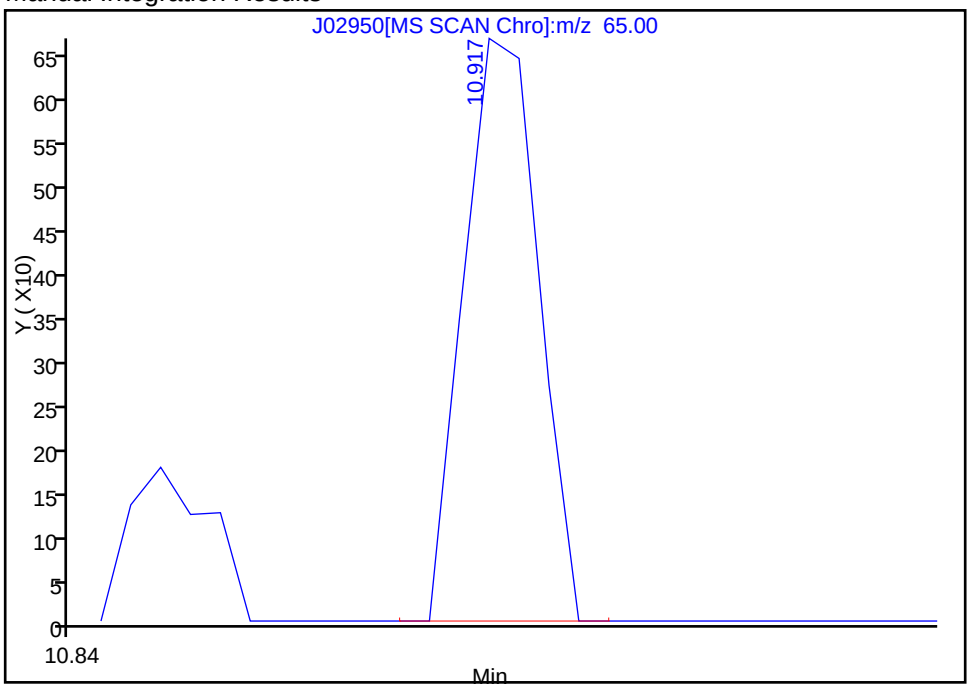
55 2-Nitroaniline, Number: 1, m/z: 65 Type: quant, RT: 10.92

Processing Integration Results

Not Detected
Expected RT: 10.92

Manual Integration Results

RT: 10.92
Response: 556
Amount: 0.270975



Reviewer: sullivanp, 16-Sep-2009 12:04:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

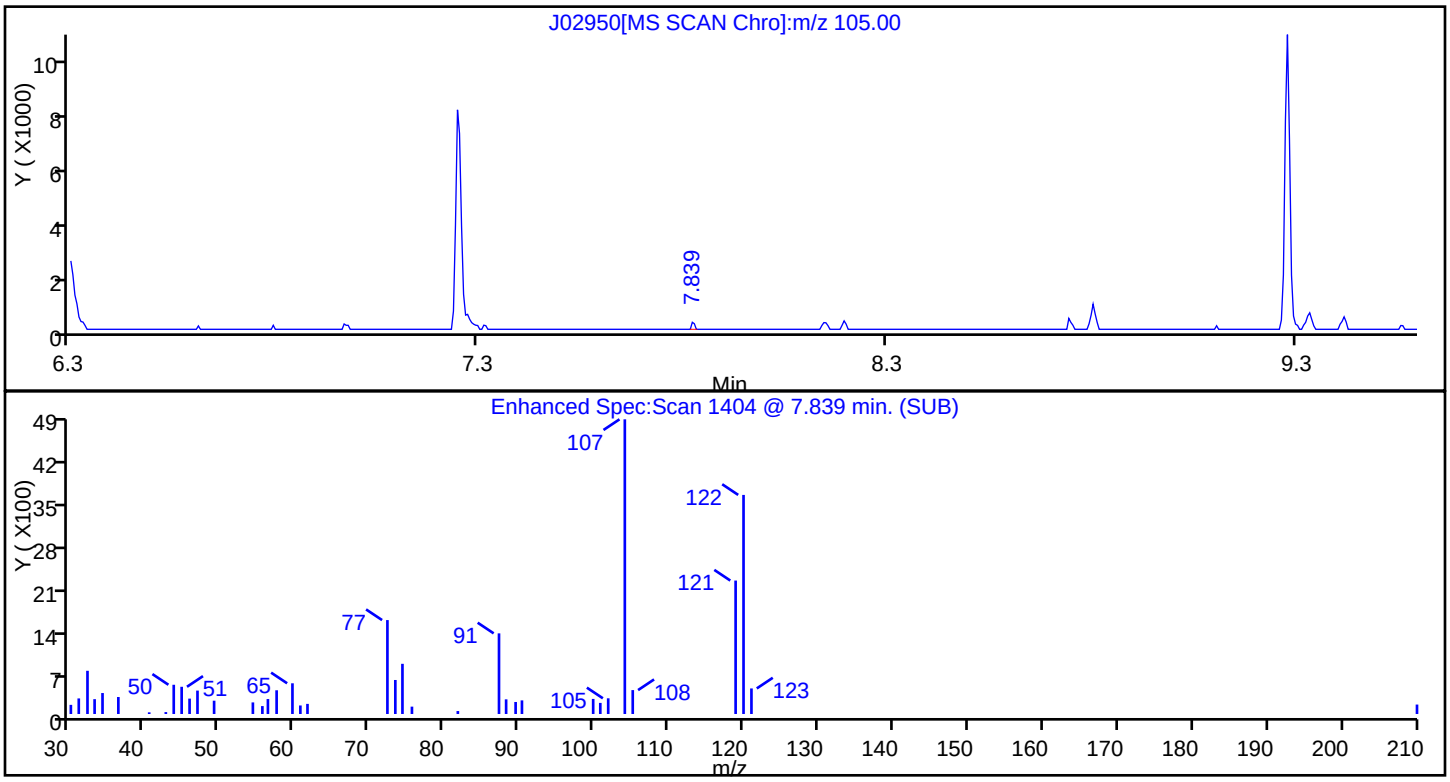
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02950.D		
Inj Date:	15-Sep-2009 18:26:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	std025		
Sample Amount:	1.00 uL	Operator:	

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
7.84	105.00	133	0.250000
7.84	122.00	4162	
7.84	77.00	1835	

Reviewer: sullivanp, 16-Sep-2009 12:04:55
Audit Action: Marked Compound Undetected
Audit Reason:

Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02950.D		
Inj Date:	15-Sep-2009 18:26:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	std025		
Sample Amount:	1.00 uL	Operator:	

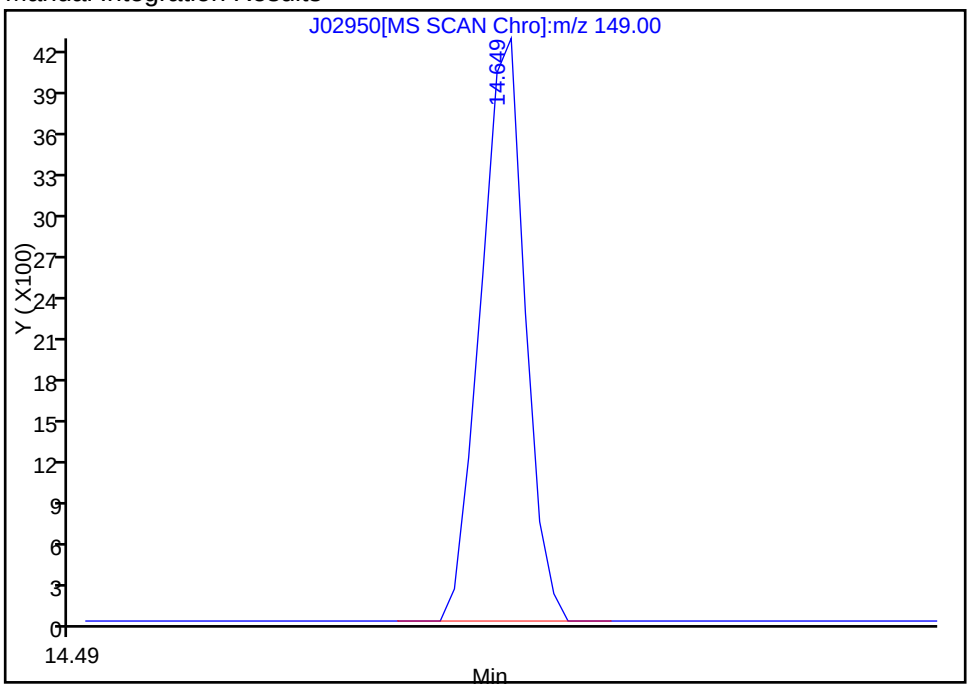
95 Di-n-octyl phthalate, Number: 1, m/z: 149 Type: quant, RT: 14.65

Processing Integration Results

Not Detected
Expected RT: 14.65

Manual Integration Results

RT: 14.65
Response: 4484
Amount: 0.187247



Reviewer: sullivanp, 16-Sep-2009 12:04:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02951.D		
Lims ID:	STD050	Client ID:	
Inject. Date:	15-Sep-2009 18:55:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	std050		
Misc. Info.:	360-0001180-005		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	48992	Lims Sample ID:	5
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\8270NDMA.m		
Last Update:	16-Sep-2009 12:08:09	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 16-Sep-2009 12:08:09

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.844	6.843	0.001	79135	2.00	
* 2 Naphthalene-d8	136	8.152	8.156	-0.004	191710	2.00	
* 3 Acenaphthene-d10	164	9.893	9.896	-0.003	95953	2.00	
* 4 Phenanthrene-d10	188	11.350	11.353	-0.003	158510	2.00	
* 5 Chrysene-d12	240	13.957	13.960	-0.003	106117	2.00	
* 6 Perylene-d12	264	15.366	15.369	-0.003	70488	2.00	
$ 7 2-Fluorophenol	112	5.281	5.275	0.006	11709	0.4942	
$ 8 Phenol-d5	99	6.493	6.492	0.001	15923	0.5362	
$ 9 Nitrobenzene-d5	82	7.436	7.434	0.002	14050	0.5206	
$ 10 2-Fluorobiphenyl	172	9.239	9.238	0.001	33277	0.5335	
$ 11 2,4,6-Tribromophenol	330	10.672	10.671	0.001	2037	0.4602	
$ 12 Terphenyl-d14	244	12.932	12.936	-0.004	22176	0.5363	
14 1,4-Dioxane	88	1.944	1.933	0.011	6539	0.5971	
15 N-Nitrosodimethylamine	74	2.406	2.395	0.011	6735	0.5393	
16 Pyridine	79	2.435	2.395	0.040	9630	0.5287	
19 Aniline	93	6.488	6.489	-0.001	18418	0.5413	
18 Phenol	94	6.508	6.506	0.002	20226	0.5511	
20 Bis(2-chloroethyl)ether	93	6.589	6.588	0.001	14537	0.5292	
21 2-Chlorophenol	128	6.614	6.612	0.002	14131	0.5586	
22 1,4-Dichlorobenzene	146	6.777	6.776	0.001	17280	0.5440	
23 1,3-Dichlorobenzene	146	6.859	6.862	-0.003	17339	0.5299	
24 Benzyl alcohol	79	7.013	7.011	0.002	9680	0.5401	
25 1,2-Dichlorobenzene	146	7.017	7.021	-0.004	16506	0.5337	
26 2-Methylphenol	108	7.147	7.146	0.001	12226	0.5520	
27 2,2'-oxybis[1-chloropropane]	45	7.167	7.165	0.002	14935	0.5440	
30 Acetophenone	105	7.282	7.280	0.002	18481	0.5534	
17 Benzaldehyde	105	7.282	7.280	0.002	18481	0.5534	
29 N-Nitrosodi-n-propylamine	70	7.296	7.300	-0.004	8991	0.5472	
28 3 & 4 Methylphenol	108	7.311	7.309	0.002	12889	0.5641	
31 Hexachloroethane	117	7.368	7.367	0.001	5765	0.5166	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.455	7.454	0.001	15289	0.5437	
33 Isophorone	82	7.700	7.699	0.001	23036	0.4948	
34 2-Nitrophenol	139	7.782	7.781	0.001	5116	0.4517	
35 2,4-Dimethylphenol	107	7.840	7.843	-0.003	11868	0.5021	
37 Bis(2-chloroethoxy)methane	93	7.936	7.934	0.002	16145	0.5197	
36 Benzoic acid	105	7.845	7.963	-0.118	376	0.5000	
38 2,4-Dichlorophenol	162	8.022	8.021	0.001	9308	0.5016	
39 1,2,4-Trichlorobenzene	180	8.104	8.103	0.001	13650	0.5236	
41 Naphthalene	128	8.172	8.175	-0.003	46741	0.5251	
40 Alpha-Terpineol	59	8.200	8.199	0.001	8463	0.5359	
42 4-Chloroaniline	127	8.244	8.242	0.002	14734	0.4904	
43 Hexachlorobutadiene	225	8.311	8.314	-0.003	7251	0.5289	
44 Caprolactam	55	8.551	8.564	-0.013	2639	0.4015	
45 4-Chloro-3-methylphenol	107	8.734	8.738	-0.004	10135	0.4924	
46 2-Methylnaphthalene	142	8.869	8.867	0.002	28213	0.5242	
47 1-Methylnaphthalene	142	8.965	8.964	0.001	28880	0.5297	
48 Hexachlorocyclopentadiene	237	9.028	9.031	-0.003	1264	0.4538	
49 1,2,4,5-Tetrachlorobenzene	216	9.037	9.040	-0.003	11730	0.5302	
50 2,4,6-Trichlorophenol	196	9.157	9.156	0.001	5329	0.4845	
51 2,4,5-Trichlorophenol	196	9.191	9.190	0.001	5509	0.4691	
52 1,1'-Biphenyl	154	9.335	9.334	0.001	37248	0.5385	
53 2-Chloronaphthalene	162	9.345	9.348	-0.003	34936	0.5396	
54 Phenyl ether	170	9.441	9.440	0.001	20091	0.5388	
68 4-Nitroaniline	138	9.456	9.459	-0.003	5844	0.4487	
56 Dimethyl phthalate	163	9.643	9.646	-0.003	30869	0.5468	
63 2,4-Dinitrotoluene	165	9.701	9.704	-0.003	5504	0.5041	
58 Acenaphthylene	152	9.754	9.752	0.002	39867	0.5507	
61 Acenaphthene	153	9.922	9.925	-0.003	27938	0.5194	
62 4-Nitrophenol	109	10.037	10.036	0.001	979	0.5000	
64 Dibenzofuran	168	10.095	10.098	-0.003	38493	0.5253	
57 2,6-Dinitrotoluene	165	10.100	10.098	0.002	5233	0.4311	
65 2,3,4,6-Tetrachlorophenol	232	10.225	10.223	0.002	2878	0.4137	
66 Diethyl phthalate	149	10.340	10.344	-0.004	29135	0.4978	
69 Fluorene	166	10.432	10.435	-0.003	29422	0.5307	
67 4-Chlorophenyl phenyl ether	204	10.441	10.440	0.001	14703	0.5318	
59 3-Nitroaniline	138	10.456	10.459	-0.003	3742	0.4568	
70 4,6-Dinitro-2-methylphenol	198	10.499	10.498	0.001	500	0.5000	
72 N-Nitrosodiphenylamine	169	10.557	10.560	-0.003	23034	0.5310	
71 Diphenylamine	169	10.557	10.560	-0.003	23034	0.5310	
74 Azobenzene	77	10.595	10.599	-0.003	44607	0.5429	
73 1,2-Diphenylhydrazine	77	10.595	10.599	-0.003	44607	0.5429	
13 Benzophenone	105	10.605	10.608	-0.003	27908	0.5360	
75 4-Bromophenyl phenyl ether	248	10.917	10.921	-0.004	7234	0.5334	
55 2-Nitroaniline	65	10.917	10.921	-0.004	1233	0.5314	
76 Hexachlorobenzene	284	10.975	10.978	-0.003	7820	0.5203	
77 Atrazine	200	11.091	11.094	-0.004	6272	0.5167	
78 Pentachlorophenol	266	11.177	11.177	0.000	128	0.0652	M
79 Pentachloronitrobenzene	237	11.187	11.190	-0.003	2128	0.4263	
80 Phenanthrene	178	11.374	11.378	-0.004	42791	0.5170	
81 Anthracene	178	11.422	11.426	-0.004	34073	0.5218	
83 Carbazole	167	11.591	11.589	0.002	30328	0.5380	
84 Di-n-butyl phthalate	149	11.951	11.955	-0.004	37274	0.4784	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	12.543	12.546	-0.003	32735	0.4720	
86 Benzidine	184	12.687	12.690	-0.003	4793	0.3923	
87 Fluoranthene	202	12.764	12.767	-0.003	34702	0.5230	
89 Butyl benzyl phthalate	149	13.423	13.426	-0.003	9667	0.4033	
91 3,3'-Dichlorobenzidine	252	13.933	13.936	-0.004	9863	0.3942	
93 Benzo[a]anthracene	228	13.947	13.950	-0.003	21920	0.4988	
94 Chrysene	228	13.985	13.984	0.001	25673	0.5189	
92 Bis(2-ethylhexyl) phthalate	149	14.005	14.003	0.002	14673	0.3948	
95 Di-n-octyl phthalate	149	14.649	14.648	0.001	12298	0.3948	
97 Benzo[b]fluoranthene	252	15.005	15.008	-0.003	20968	0.5258	
98 Benzo[k]fluoranthene	252	15.029	15.032	-0.003	19377	0.5082	
99 Benzo[a]pyrene	252	15.317	15.316	0.001	10359	0.4396	
100 Indeno[1,2,3-cd]pyrene	276	16.313	16.316	-0.003	9610	0.4579	
101 Dibenz(a,h)anthracene	278	16.322	16.326	-0.004	7466	0.4583	
102 Benzo[g,h,i]perylene	276	16.553	16.557	-0.004	10931	0.5254	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 16-Sep-2009 12:08:09 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02951.D

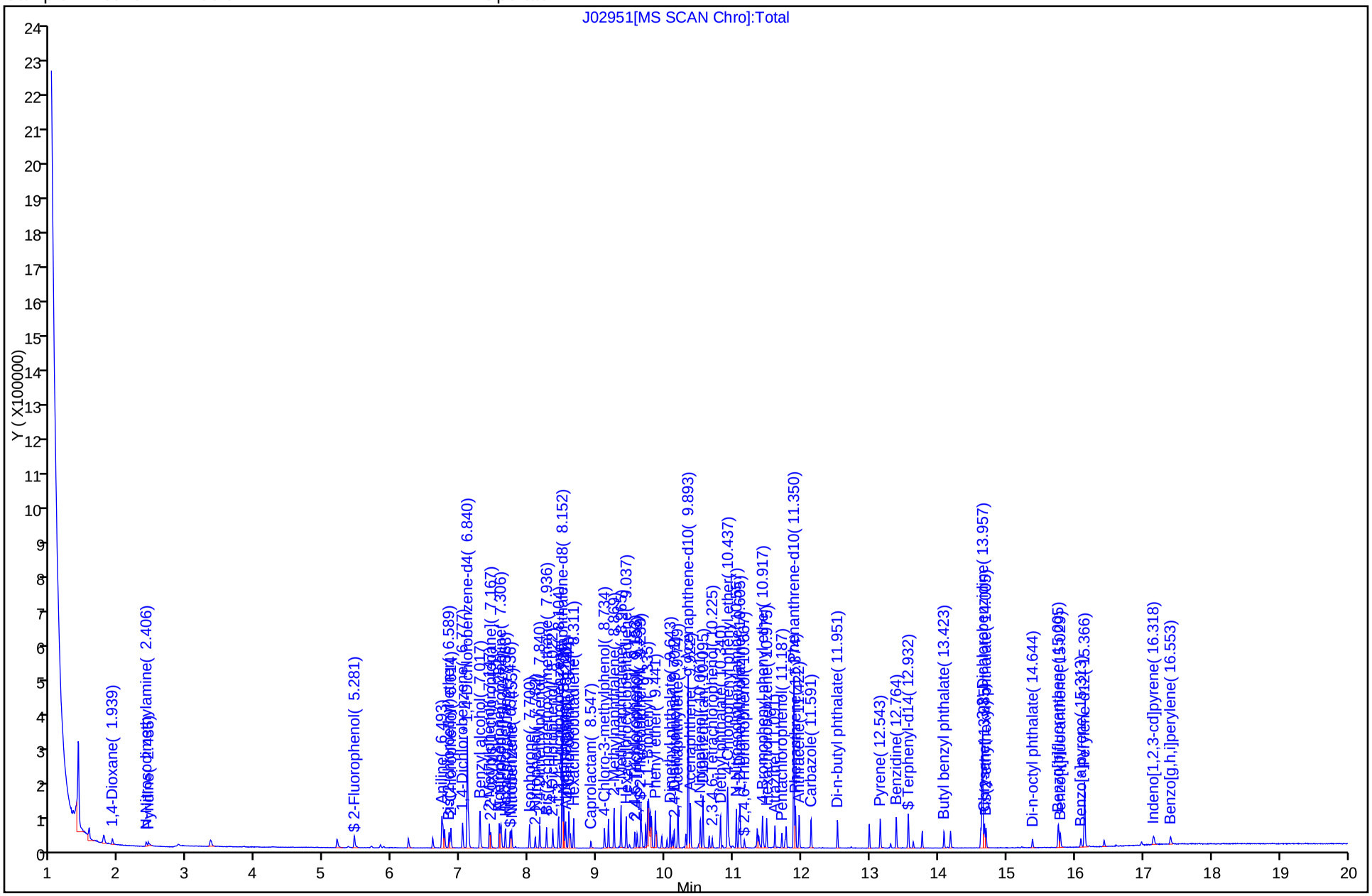
Inj Date: 15-Sep-2009 18:55:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48992 Lims Sample ID: 5

Client ID: Instrument: Inst. J

Sample Info: std050

Sample Amount: 1.00 uL Operator:



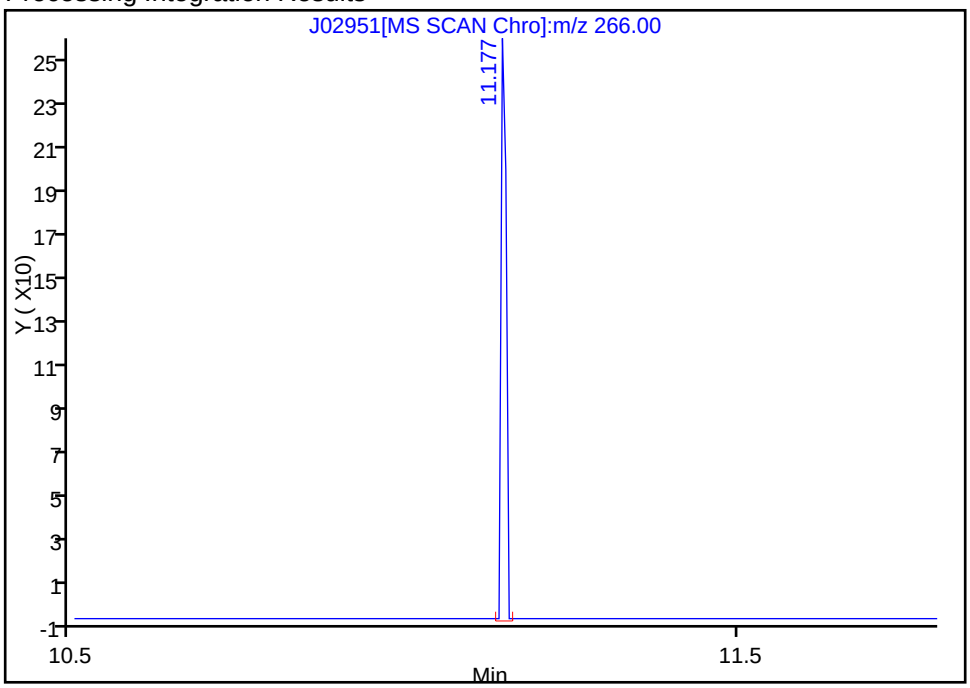
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02951.D		
Inj Date:	15-Sep-2009 18:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	std050		
Sample Amount:	1.00 uL	Operator:	

78 Pentachlorophenol, Number: 1, m/z: 266 Type: quant, RT: 11.18

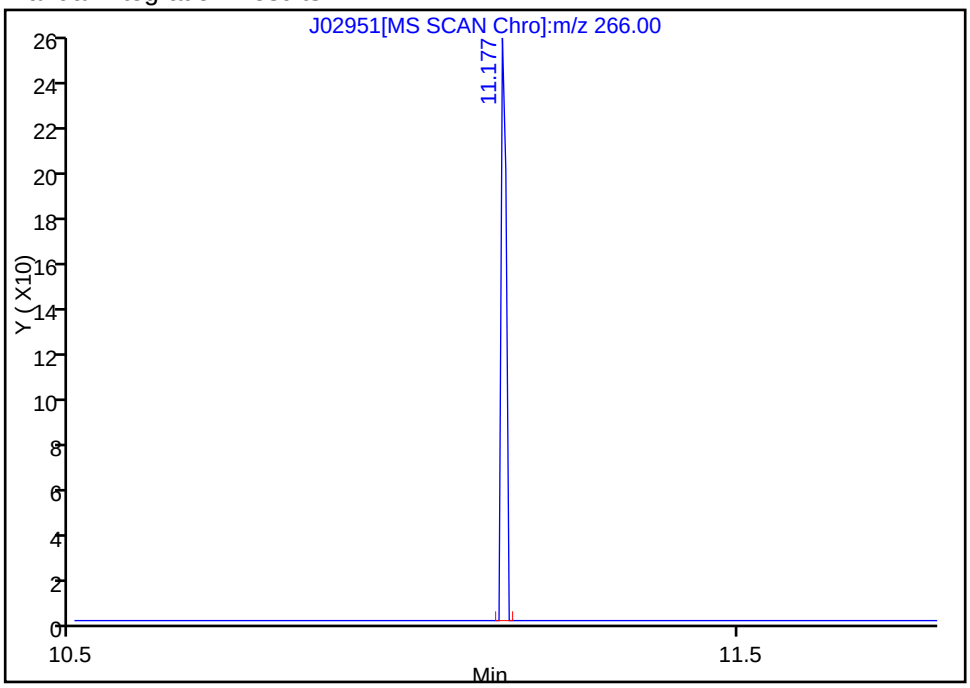
Processing Integration Results

RT: 11.18
Response: 130
Amount: 0.066102



Manual Integration Results

RT: 11.18
Response: 128
Amount: 0.065151



Reviewer: sullivanp, 16-Sep-2009 12:08:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02952.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	15-Sep-2009 19:25:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	std1		
Misc. Info.:	360-0001180-006		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	48992	Lims Sample ID:	6
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\8270NDMA.m		
Last Update:	16-Sep-2009 12:09:39	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 16-Sep-2009 12:09:39

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.839	6.843	-0.004	75860	2.00	
* 2 Naphthalene-d8	136	8.152	8.156	-0.004	178045	2.00	
* 3 Acenaphthene-d10	164	9.893	9.896	-0.003	89937	2.00	
* 4 Phenanthrene-d10	188	11.350	11.353	-0.003	140381	2.00	
* 5 Chrysene-d12	240	13.956	13.960	-0.004	104925	2.00	
* 6 Perylene-d12	264	15.365	15.369	-0.004	73772	2.00	
$ 7 2-Fluorophenol	112	5.281	5.275	0.006	24947	1.08	
$ 8 Phenol-d5	99	6.493	6.492	0.001	30665	1.06	
$ 9 Nitrobenzene-d5	82	7.431	7.434	-0.003	27993	1.09	
$ 10 2-Fluorobiphenyl	172	9.239	9.238	0.001	59409	1.01	
$ 11 2,4,6-Tribromophenol	330	10.672	10.671	0.001	4163	1.01	
$ 12 Terphenyl-d14	244	12.932	12.936	-0.004	40664	1.00	
14 1,4-Dioxane	88	1.934	1.933	0.001	10678	1.12	
15 N-Nitrosodimethylamine	74	2.401	2.395	0.006	12744	1.05	
16 Pyridine	79	2.410	2.395	0.015	20458	1.13	
19 Aniline	93	6.488	6.489	-0.001	35713	1.07	
18 Phenol	94	6.503	6.506	-0.003	37720	1.06	
20 Bis(2-chloroethyl)ether	93	6.589	6.588	0.001	27968	1.05	
21 2-Chlorophenol	128	6.613	6.612	0.001	26887	1.09	
22 1,4-Dichlorobenzene	146	6.777	6.776	0.001	31129	1.02	
23 1,3-Dichlorobenzene	146	6.858	6.862	-0.004	31754	1.01	
24 Benzyl alcohol	79	7.012	7.011	0.001	19720	1.11	
25 1,2-Dichlorobenzene	146	7.017	7.021	-0.004	30120	1.01	
26 2-Methylphenol	108	7.147	7.146	0.001	23469	1.08	
27 2,2'-oxybis[1-chloropropane]	45	7.166	7.165	0.001	27172	1.03	
30 Acetophenone	105	7.282	7.280	0.002	35798	1.09	
17 Benzaldehyde	105	7.282	7.280	0.002	35798	1.09	
29 N-Nitrosodi-n-propylamine	70	7.296	7.300	-0.004	17596	1.09	
28 3 & 4 Methylphenol	108	7.310	7.309	0.001	24871	1.11	
31 Hexachloroethane	117	7.368	7.367	0.001	11407	1.05	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.455	7.454	0.001	29465	1.10	
33 Isophorone	82	7.700	7.699	0.001	45516	1.01	
34 2-Nitrophenol	139	7.782	7.781	0.001	10818	1.02	
35 2,4-Dimethylphenol	107	7.844	7.843	0.001	21592	1.05	
37 Bis(2-chloroethoxy)methane	93	7.936	7.934	0.002	30588	1.05	
36 Benzoic acid	105	7.839	7.963	-0.124	673	0.8251	
38 2,4-Dichlorophenol	162	8.022	8.021	0.001	18128	1.10	
39 1,2,4-Trichlorobenzene	180	8.104	8.103	0.001	24678	1.02	
41 Naphthalene	128	8.171	8.175	-0.004	85366	1.03	
40 Alpha-Terpineol	59	8.200	8.199	0.001	16736	1.11	
42 4-Chloroaniline	127	8.243	8.242	0.001	29059	1.10	
43 Hexachlorobutadiene	225	8.311	8.314	-0.003	13272	1.03	
44 Caprolactam	55	8.551	8.564	-0.013	5197	0.8390	
45 4-Chloro-3-methylphenol	107	8.734	8.738	-0.004	19944	1.00	
46 2-Methylnaphthalene	142	8.868	8.867	0.001	52901	1.05	
47 1-Methylnaphthalene	142	8.965	8.964	0.001	54411	1.06	
48 Hexachlorocyclopentadiene	237	9.032	9.031	0.001	3379	0.9815	
49 1,2,4,5-Tetrachlorobenzene	216	9.037	9.040	-0.003	21916	1.05	
50 2,4,6-Trichlorophenol	196	9.157	9.156	0.001	10722	0.99	
51 2,4,5-Trichlorophenol	196	9.186	9.190	-0.004	11312	0.9655	
52 1,1'-Biphenyl	154	9.335	9.334	0.001	65663	1.01	
53 2-Chloronaphthalene	162	9.349	9.348	0.001	63156	1.03	
54 Phenyl ether	170	9.441	9.440	0.001	35021	1.01	
68 4-Nitroaniline	138	9.455	9.459	-0.004	12408	0.9411	
56 Dimethyl phthalate	163	9.643	9.646	-0.003	56153	1.05	
63 2,4-Dinitrotoluene	165	9.700	9.704	-0.004	11625	1.05	
58 Acenaphthylene	152	9.753	9.752	0.001	74131	1.07	
61 Acenaphthene	153	9.926	9.925	0.001	50915	1.01	
60 2,4-Dinitrophenol	184	9.975	9.973	0.001	422	0.4124	
62 4-Nitrophenol	109	10.037	10.036	0.001	2569	0.8895	
64 Dibenzofuran	168	10.095	10.098	-0.003	70381	1.02	
57 2,6-Dinitrotoluene	165	10.100	10.098	0.002	12188	0.9558	
65 2,3,4,6-Tetrachlorophenol	232	10.225	10.223	0.002	6714	0.8893	
66 Diethyl phthalate	149	10.340	10.344	-0.004	55292	1.01	
69 Fluorene	166	10.431	10.435	-0.004	55228	1.05	
67 4-Chlorophenyl phenyl ether	204	10.441	10.440	0.001	26346	1.01	
59 3-Nitroaniline	138	10.455	10.459	-0.004	8375	0.9839	
70 4,6-Dinitro-2-methylphenol	198	10.499	10.498	0.001	1820	0.9132	
72 N-Nitrosodiphenylamine	169	10.556	10.560	-0.004	44242	1.12	
71 Diphenylamine	169	10.556	10.560	-0.004	44242	1.12	
74 Azobenzene	77	10.595	10.599	-0.003	88826	1.17	
73 1,2-Diphenylhydrazine	77	10.595	10.599	-0.003	88826	1.17	
13 Benzophenone	105	10.609	10.608	0.001	53884	1.13	
75 4-Bromophenyl phenyl ether	248	10.922	10.921	0.001	13419	1.09	
55 2-Nitroaniline	65	10.917	10.921	-0.004	2207	1.01	
76 Hexachlorobenzene	284	10.975	10.978	-0.003	14269	1.06	
77 Atrazine	200	11.090	11.094	-0.004	12482	1.07	
78 Pentachlorophenol	266	11.172	11.177	-0.005	1174	0.7568	
79 Pentachloronitrobenzene	237	11.186	11.190	-0.004	4834	0.9763	
80 Phenanthrene	178	11.374	11.378	-0.004	74502	1.01	
81 Anthracene	178	11.427	11.426	0.001	65773	1.11	
83 Carbazole	167	11.590	11.589	0.001	57728	1.12	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.951	11.955	-0.004	73288	1.05	
85 Pyrene	202	12.542	12.546	-0.004	61207	0.8895	
86 Benzidine	184	12.687	12.690	-0.003	14091	0.7964	
87 Fluoranthene	202	12.764	12.767	-0.003	65631	1.09	
89 Butyl benzyl phthalate	149	13.427	13.426	0.001	21263	0.7795	
91 3,3'-Dichlorobenzidine	252	13.932	13.936	-0.004	23943	0.7980	
93 Benzo[a]anthracene	228	13.947	13.950	-0.003	44145	1.01	
94 Chrysene	228	13.985	13.984	0.001	47787	0.9396	
92 Bis(2-ethylhexyl) phthalate	149	14.004	14.003	0.001	30735	0.7574	
95 Di-n-octyl phthalate	149	14.649	14.648	0.001	27666	0.7508	
97 Benzo[b]fluoranthene	252	15.005	15.008	-0.003	42834	1.02	
98 Benzo[k]fluoranthene	252	15.033	15.032	0.001	40590	1.01	
99 Benzo[a]pyrene	252	15.317	15.316	0.001	24276	0.9225	
100 Indeno[1,2,3-cd]pyrene	276	16.313	16.316	-0.004	21974	0.9511	
101 Dibenz(a,h)anthracene	278	16.322	16.326	-0.004	16580	0.9230	
102 Benzo[g,h,i]perylene	276	16.553	16.557	-0.004	22993	1.04	

Report Date: 16-Sep-2009 12:09:39 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02952.D

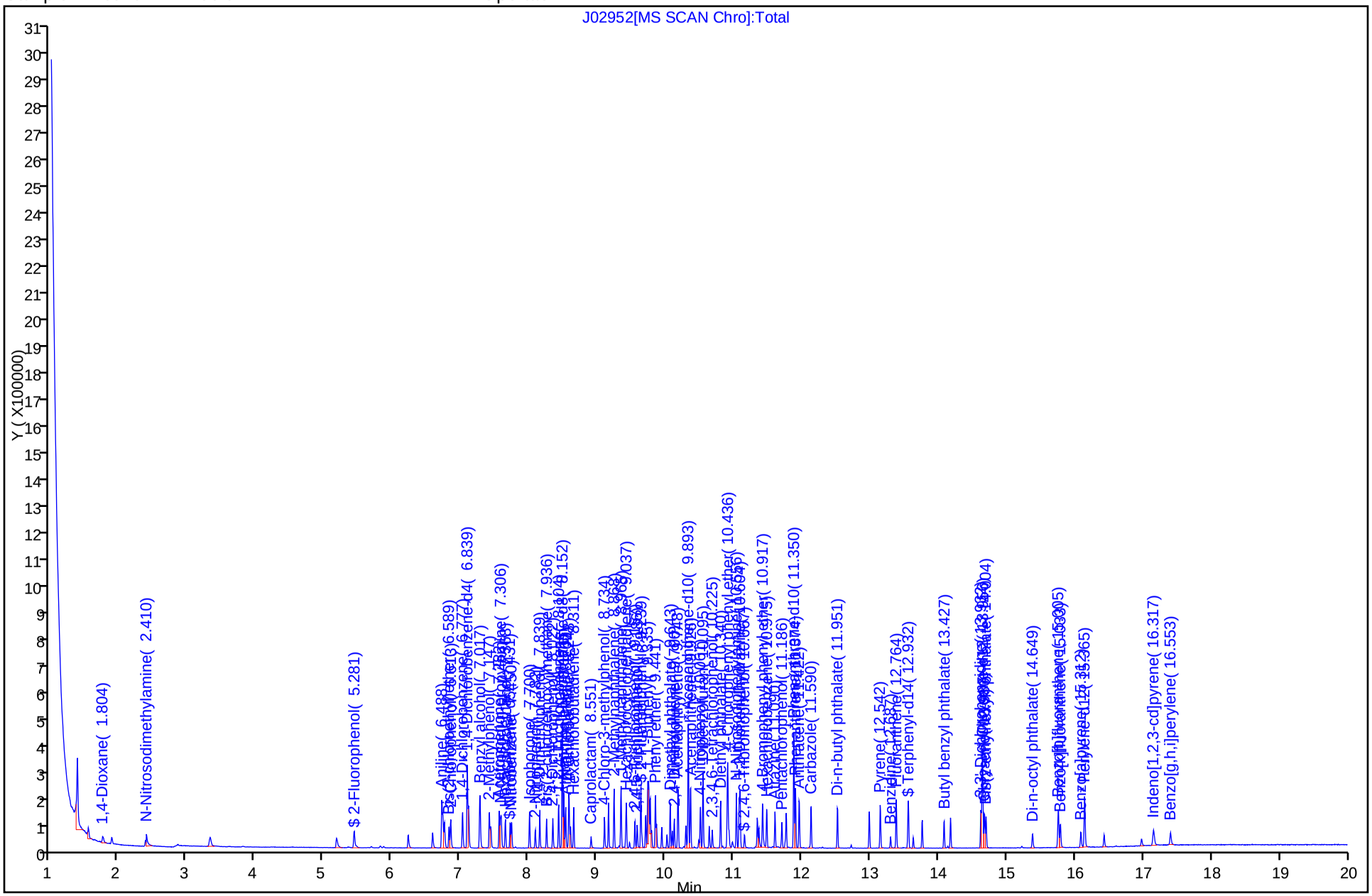
Inj Date: 15-Sep-2009 19:25:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48992 Lims Sample ID: 6

Client ID: Instrument: Inst. J

Sample Info: std1

Sample Amount: 1.00 uL Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02953.D		
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Inject. Date:	15-Sep-2009 19:54:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	std25		
Misc. Info.:	360-0001180-007		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	48992	Lims Sample ID:	7
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\8270NDMA.m		
Last Update:	16-Sep-2009 12:10:46	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 16-Sep-2009 12:10:46

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.840	6.843	-0.003	95150	2.00	
* 2 Naphthalene-d8	136	8.152	8.156	-0.004	214601	2.00	
* 3 Acenaphthene-d10	164	9.893	9.896	-0.003	105014	2.00	
* 4 Phenanthrene-d10	188	11.350	11.353	-0.003	171924	2.00	
* 5 Chrysene-d12	240	13.957	13.960	-0.003	130315	2.00	
* 6 Perylene-d12	264	15.366	15.369	-0.003	94304	2.00	
$ 7 2-Fluorophenol	112	5.277	5.275	0.002	72561	2.50	
$ 8 Phenol-d5	99	6.493	6.492	0.001	91269	2.51	
$ 9 Nitrobenzene-d5	82	7.431	7.434	-0.003	82554	2.64	
$ 10 2-Fluorobiphenyl	172	9.239	9.238	0.001	167736	2.46	
$ 11 2,4,6-Tribromophenol	330	10.672	10.671	0.001	15384	2.66	
$ 12 Terphenyl-d14	244	12.932	12.936	-0.004	123927	2.45	
14 1,4-Dioxane	88	1.939	1.933	0.006	30465	2.71	
15 N-Nitrosodimethylamine	74	2.396	2.395	0.001	38179	2.51	
16 Pyridine	79	2.401	2.395	0.006	66228	2.83	
19 Aniline	93	6.489	6.489	0.000	111675	2.65	
18 Phenol	94	6.503	6.506	-0.003	110050	2.47	
20 Bis(2-chloroethyl)ether	93	6.590	6.588	0.002	79480	2.40	
21 2-Chlorophenol	128	6.614	6.612	0.002	78292	2.52	
22 1,4-Dichlorobenzene	146	6.777	6.776	0.001	89510	2.36	
23 1,3-Dichlorobenzene	146	6.859	6.862	-0.003	91601	2.35	
24 Benzyl alcohol	79	7.013	7.011	0.002	62035	2.74	
25 1,2-Dichlorobenzene	146	7.017	7.021	-0.004	84002	2.29	
26 2-Methylphenol	108	7.147	7.146	0.001	70447	2.58	
27 2,2'-oxybis[1-chloropropane]	45	7.162	7.165	-0.003	78947	2.40	
30 Acetophenone	105	7.282	7.280	0.002	105955	2.56	
17 Benzaldehyde	105	7.282	7.280	0.002	105955	2.56	
29 N-Nitrosodi-n-propylamine	70	7.296	7.300	-0.004	53406	2.62	
28 3 & 4 Methylphenol	108	7.311	7.309	0.002	73270	2.58	
31 Hexachloroethane	117	7.369	7.367	0.002	31853	2.37	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.450	7.454	-0.004	85978	2.63	
33 Isophorone	82	7.700	7.699	0.001	147605	2.62	
34 2-Nitrophenol	139	7.777	7.781	-0.004	36054	2.67	
35 2,4-Dimethylphenol	107	7.840	7.843	-0.003	64278	2.57	
37 Bis(2-chloroethoxy)methane	93	7.936	7.934	0.002	88913	2.52	
36 Benzoic acid	105	7.946	7.946	0.000	3795	2.53	M
38 2,4-Dichlorophenol	162	8.023	8.021	0.002	58150	2.85	
39 1,2,4-Trichlorobenzene	180	8.104	8.103	0.001	70308	2.42	
41 Naphthalene	128	8.172	8.175	-0.003	240065	2.41	
40 Alpha-Terpineol	59	8.200	8.199	0.001	51128	2.76	
42 4-Chloroaniline	127	8.244	8.242	0.002	90348	2.77	
43 Hexachlorobutadiene	225	8.311	8.314	-0.003	37433	2.43	
44 Caprolactam	55	8.556	8.564	-0.008	21593	2.51	
45 4-Chloro-3-methylphenol	107	8.739	8.738	0.001	64139	2.58	
46 2-Methylnaphthalene	142	8.869	8.867	0.002	153283	2.51	
47 1-Methylnaphthalene	142	8.965	8.964	0.001	156272	2.52	
48 Hexachlorocyclopentadiene	237	9.028	9.031	-0.003	12596	2.67	
49 1,2,4,5-Tetrachlorobenzene	216	9.037	9.040	-0.003	63306	2.52	
50 2,4,6-Trichlorophenol	196	9.157	9.156	0.001	36466	2.73	
51 2,4,5-Trichlorophenol	196	9.186	9.190	-0.004	37425	2.59	
52 1,1'-Biphenyl	154	9.335	9.334	0.001	186195	2.46	
53 2-Chloronaphthalene	162	9.345	9.348	-0.003	178995	2.50	
54 Phenyl ether	170	9.441	9.440	0.001	99394	2.40	
68 4-Nitroaniline	138	9.456	9.459	-0.003	43582	2.64	
56 Dimethyl phthalate	163	9.643	9.646	-0.003	162779	2.59	
63 2,4-Dinitrotoluene	165	9.701	9.704	-0.003	37203	2.71	
58 Acenaphthylene	152	9.754	9.752	0.002	219180	2.68	
61 Acenaphthene	153	9.927	9.925	0.002	143644	2.45	
60 2,4-Dinitrophenol	184	9.975	9.973	0.002	3024	2.52	
62 4-Nitrophenol	109	10.037	10.036	0.001	12744	2.58	
64 Dibenzofuran	168	10.095	10.098	-0.003	202121	2.51	
57 2,6-Dinitrotoluene	165	10.100	10.098	0.002	43757	2.68	
65 2,3,4,6-Tetrachlorophenol	232	10.225	10.223	0.002	26495	2.67	
66 Diethyl phthalate	149	10.340	10.344	-0.004	163833	2.54	
69 Fluorene	166	10.432	10.435	-0.003	161803	2.61	
67 4-Chlorophenyl phenyl ether	204	10.441	10.440	0.001	75854	2.50	
59 3-Nitroaniline	138	10.456	10.459	-0.003	30610	2.78	
70 4,6-Dinitro-2-methylphenol	198	10.499	10.498	0.001	9207	2.52	
72 N-Nitrosodiphenylamine	169	10.557	10.560	-0.003	134748	2.73	
71 Diphenylamine	169	10.557	10.560	-0.003	134748	2.73	
74 Azobenzene	77	10.595	10.599	-0.003	271666	2.84	
73 1,2-Diphenylhydrazine	77	10.595	10.599	-0.003	271666	2.84	
13 Benzophenone	105	10.610	10.608	0.002	162006	2.73	
75 4-Bromophenyl phenyl ether	248	10.922	10.921	0.001	39697	2.61	
55 2-Nitroaniline	65	10.917	10.921	-0.004	6334	2.49	
76 Hexachlorobenzene	284	10.980	10.978	0.002	41601	2.51	
77 Atrazine	200	11.091	11.094	-0.003	39354	2.64	
78 Pentachlorophenol	266	11.177	11.177	0.000	8768	3.81	
79 Pentachloronitrobenzene	237	11.187	11.190	-0.003	16687	2.58	
80 Phenanthrene	178	11.374	11.378	-0.004	215354	2.41	
81 Anthracene	178	11.427	11.426	0.001	207428	2.79	
83 Carbazole	167	11.591	11.589	0.002	177958	2.76	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.956	11.955	0.001	244577	2.79	
85 Pyrene	202	12.543	12.546	-0.003	192020	2.33	
86 Benzidine	184	12.687	12.690	-0.003	73582	2.54	
87 Fluoranthene	202	12.764	12.767	-0.003	204896	2.73	
89 Butyl benzyl phthalate	149	13.428	13.426	0.002	86140	2.29	
91 3,3'-Dichlorobenzidine	252	13.933	13.936	-0.003	96067	2.32	
93 Benzo[a]anthracene	228	13.947	13.950	-0.003	141080	2.59	
94 Chrysene	228	13.985	13.984	0.001	139489	2.25	
92 Bis(2-ethylhexyl) phthalate	149	14.005	14.003	0.002	128353	2.33	
95 Di-n-octyl phthalate	149	14.649	14.648	0.001	150299	2.49	
97 Benzo[b]fluoranthene	252	15.005	15.008	-0.003	130416	2.44	
98 Benzo[k]fluoranthene	252	15.034	15.032	0.002	126519	2.48	
99 Benzo[a]pyrene	252	15.313	15.316	-0.003	91673	2.57	
100 Indeno[1,2,3-cd]pyrene	276	16.313	16.316	-0.003	80835	2.60	
101 Dibenz(a,h)anthracene	278	16.323	16.326	-0.003	62076	2.57	
102 Benzo[g,h,i]perylene	276	16.553	16.557	-0.004	74687	2.63	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 16-Sep-2009 12:10:47 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02953.D

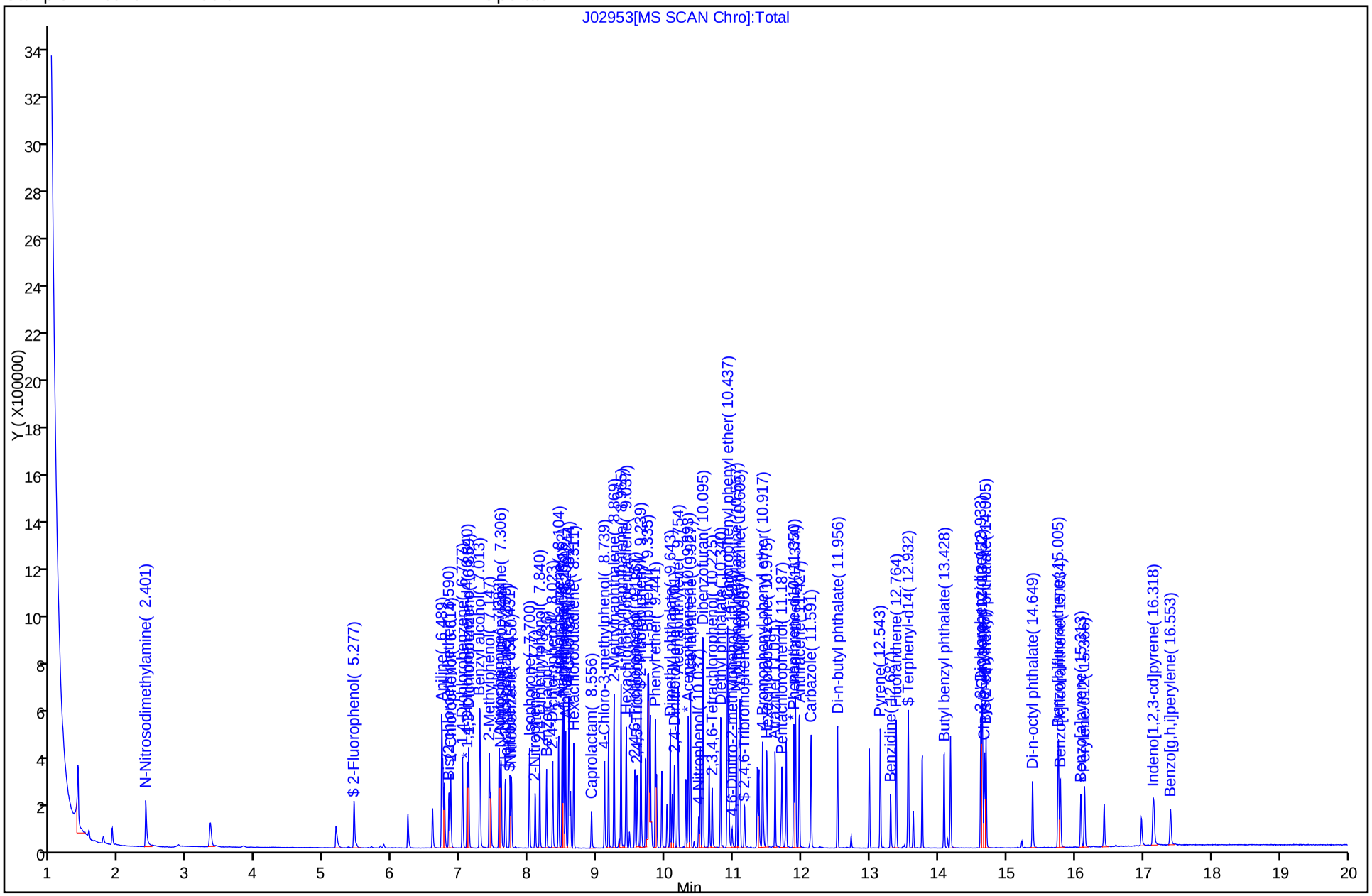
Inj Date: 15-Sep-2009 19:54:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48992 Lims Sample ID: 7

Client ID: Instrument: Inst. J

Sample Info: std25

Sample Amount: 1.00 uL Operator:



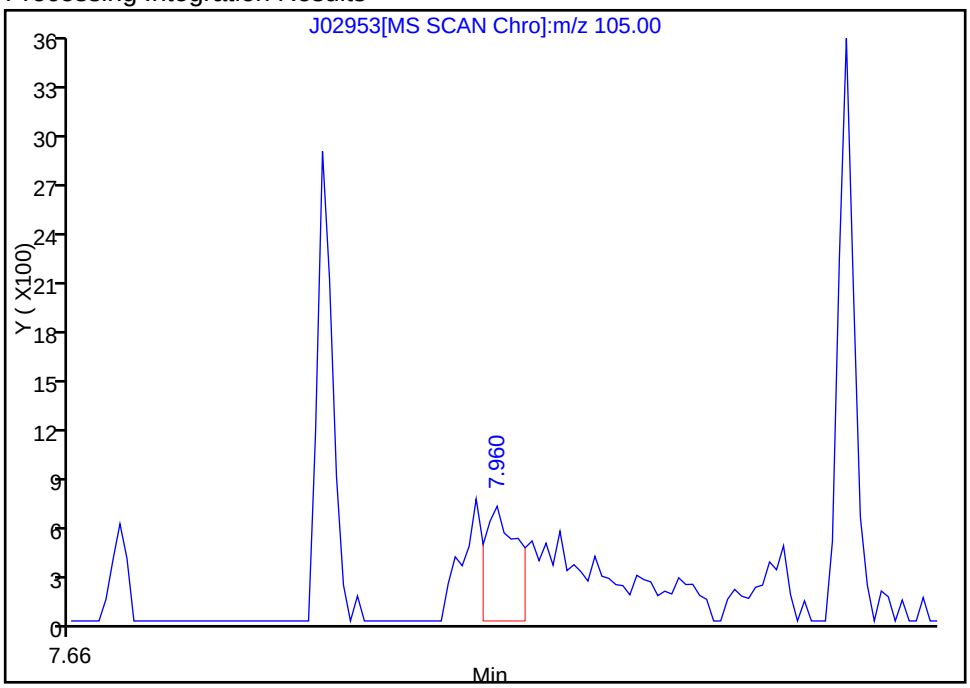
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02953.D		
Inj Date:	15-Sep-2009 19:54:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	7
Client ID:		Instrument:	Inst. J
Sample Info:	std25		
Sample Amount:	1.00 uL	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.95

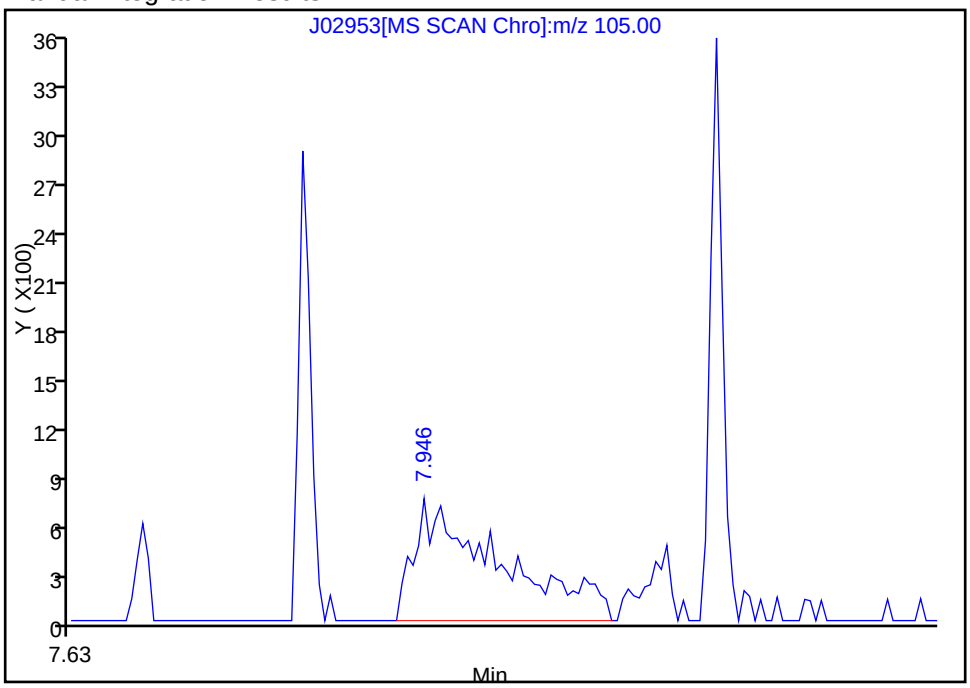
Processing Integration Results

RT: 7.96
Response: 1089
Amount: 2.383186



Manual Integration Results

RT: 7.95
Response: 3795
Amount: 2.533396



Reviewer: sullivanp, 16-Sep-2009 12:10:46
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02954.D		
Lims ID:	STD8	Client ID:	
Inject. Date:	15-Sep-2009 20:24:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	std8		
Misc. Info.:	360-0001180-008		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	48992	Lims Sample ID:	8
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\8270NDMA.m		
Last Update:	16-Sep-2009 12:19:43	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	16-Sep-2009 12:11:53
Reviewed By:	sullivanp	Date:	16-Sep-2009 12:19:43

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.843	6.843	0.000	104102	2.00	
* 2 Naphthalene-d8	136	8.156	8.156	0.000	189882	2.00	
* 3 Acenaphthene-d10	164	9.896	9.896	0.000	98057	2.00	
* 4 Phenanthrene-d10	188	11.354	11.353	0.001	158454	2.00	
* 5 Chrysene-d12	240	13.960	13.960	0.000	125327	2.00	
* 6 Perylene-d12	264	15.369	15.369	0.000	96823	2.00	
$ 7 2-Fluorophenol	112	5.275	5.275	0.000	221207	6.78	
$ 8 Phenol-d5	99	6.492	6.492	0.000	271980	6.75	
$ 9 Nitrobenzene-d5	82	7.434	7.434	0.000	252510	8.66	
$ 10 2-Fluorobiphenyl	172	9.238	9.238	0.000	485681	7.80	
$ 11 2,4,6-Tribromophenol	330	10.671	10.671	0.000	52609	8.20	
$ 12 Terphenyl-d14	244	12.936	12.936	0.000	370893	7.74	
14 1,4-Dioxane	88	1.923	1.933	-0.010	84407	6.77	
15 N-Nitrosodimethylamine	74	2.390	2.395	-0.005	110886	6.46	
16 Pyridine	79	2.385	2.385	0.000	238611	7.28	M
19 Aniline	93	6.487	6.489	-0.002	331817	6.94	
18 Phenol	94	6.506	6.506	0.000	324024	6.60	
20 Bis(2-chloroethyl)ether	93	6.588	6.588	0.000	229367	6.39	
21 2-Chlorophenol	128	6.612	6.612	0.000	235511	6.77	
22 1,4-Dichlorobenzene	146	6.776	6.776	0.000	257645	6.33	
23 1,3-Dichlorobenzene	146	6.862	6.862	0.000	265275	6.34	
24 Benzyl alcohol	79	7.011	7.011	0.000	194456	7.36	
25 1,2-Dichlorobenzene	146	7.016	7.021	-0.005	242292	6.23	
26 2-Methylphenol	108	7.146	7.146	0.000	210878	6.87	
27 2,2'-oxybis[1-chloropropane]	45	7.165	7.165	0.000	226551	6.34	
30 Acetophenone	105	7.280	7.280	0.000	316303	6.82	
17 Benzaldehyde	105	7.280	7.280	0.000	316303	6.82	
29 N-Nitrosodi-n-propylamine	70	7.300	7.300	0.000	162764	6.99	
28 3 & 4 Methylphenol	108	7.309	7.309	0.000	222206	6.93	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	7.367	7.367	0.000	96292	6.52	
32 Nitrobenzene	77	7.454	7.454	0.000	256887	8.57	
33 Isophorone	82	7.699	7.699	0.000	449182	8.45	
34 2-Nitrophenol	139	7.781	7.781	0.000	116733	7.95	
35 2,4-Dimethylphenol	107	7.843	7.843	0.000	197129	8.51	
37 Bis(2-chloroethoxy)methane	93	7.939	7.934	0.005	266042	8.36	
36 Benzoic acid	105	7.944	7.986	-0.042	39417	7.90	M
38 2,4-Dichlorophenol	162	8.021	8.021	0.000	177792	8.44	
39 1,2,4-Trichlorobenzene	180	8.103	8.103	0.000	201059	7.89	
41 Naphthalene	128	8.175	8.175	0.000	696108	8.00	
40 Alpha-Terpineol	59	8.199	8.199	0.000	158052	9.02	
42 4-Chloroaniline	127	8.242	8.242	0.000	269799	8.83	
43 Hexachlorobutadiene	225	8.314	8.314	0.000	108125	7.99	
44 Caprolactam	55	8.574	8.564	0.010	74909	8.04	
45 4-Chloro-3-methylphenol	107	8.738	8.738	0.000	202651	8.53	
46 2-Methylnaphthalene	142	8.867	8.867	0.000	431830	8.00	
47 1-Methylnaphthalene	142	8.964	8.964	0.000	445637	8.14	
48 Hexachlorocyclopentadiene	237	9.031	9.031	0.000	49405	7.80	
49 1,2,4,5-Tetrachlorobenzene	216	9.040	9.040	0.000	174206	7.92	
50 2,4,6-Trichlorophenol	196	9.156	9.156	0.000	115866	8.53	
51 2,4,5-Trichlorophenol	196	9.190	9.190	0.000	121550	8.08	
52 1,1'-Biphenyl	154	9.334	9.334	0.000	534692	7.76	
53 2-Chloronaphthalene	162	9.348	9.348	0.000	477360	7.27	
54 Phenyl ether	170	9.440	9.440	0.000	288613	7.93	
68 4-Nitroaniline	138	9.459	9.459	0.000	140161	7.87	
56 Dimethyl phthalate	163	9.646	9.646	0.000	481589	8.15	
63 2,4-Dinitrotoluene	165	9.704	9.704	0.000	110761	8.22	
58 Acenaphthylene	152	9.752	9.752	0.000	648158	8.36	
61 Acenaphthene	153	9.925	9.925	0.000	415042	7.72	
60 2,4-Dinitrophenol	184	9.973	9.973	0.000	22584	7.25	
62 4-Nitrophenol	109	10.041	10.036	0.005	50921	8.07	
64 Dibenzofuran	168	10.098	10.098	0.000	566280	7.72	
57 2,6-Dinitrotoluene	165	10.098	10.098	0.000	135654	7.92	
65 2,3,4,6-Tetrachlorophenol	232	10.223	10.223	0.000	87700	7.97	
66 Diethyl phthalate	149	10.344	10.344	0.000	487432	8.06	
69 Fluorene	166	10.435	10.435	0.000	462638	8.06	
67 4-Chlorophenyl phenyl ether	204	10.445	10.440	0.005	214012	7.72	
59 3-Nitroaniline	138	10.459	10.459	0.000	97514	7.79	
70 4,6-Dinitro-2-methylphenol	198	10.498	10.498	0.000	43593	7.77	
72 N-Nitrosodiphenylamine	169	10.560	10.560	0.000	395534	8.50	
71 Diphenylamine	169	10.560	10.560	0.000	395534	8.50	
74 Azobenzene	77	10.599	10.599	0.001	809757	8.78	
73 1,2-Diphenylhydrazine	77	10.599	10.599	0.001	809757	8.78	
13 Benzophenone	105	10.608	10.608	0.000	489722	8.60	
75 4-Bromophenyl phenyl ether	248	10.921	10.921	0.000	118105	8.35	
55 2-Nitroaniline	65	10.921	10.921	0.000	16638	7.38	
76 Hexachlorobenzene	284	10.978	10.978	0.000	120550	7.98	
77 Atrazine	200	11.094	11.094	0.000	122829	8.53	
78 Pentachlorophenol	266	11.176	11.177	-0.001	45480	8.19	
79 Pentachloronitrobenzene	237	11.190	11.190	0.000	53276	8.08	
80 Phenanthrene	178	11.378	11.378	0.000	629219	7.81	
81 Anthracene	178	11.426	11.426	0.000	616910	8.68	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.589	11.589	0.000	528203	8.64	
84 Di-n-butyl phthalate	149	11.955	11.955	0.000	773168	8.99	
85 Pyrene	202	12.546	12.546	0.000	575770	7.95	
86 Benzidine	184	12.690	12.690	0.000	346334	7.72	
87 Fluoranthene	202	12.767	12.767	0.000	618944	8.69	
89 Butyl benzyl phthalate	149	13.426	13.426	0.000	304732	8.06	
91 3,3'-Dichlorobenzidine	252	13.936	13.936	0.000	328352	8.28	
93 Benzo[a]anthracene	228	13.950	13.950	0.000	456968	8.54	
94 Chrysene	228	13.984	13.984	0.000	430472	7.42	
92 Bis(2-ethylhexyl) phthalate	149	14.008	14.003	0.005	444348	8.02	
95 Di-n-octyl phthalate	149	14.648	14.648	0.000	635065	7.88	
97 Benzo[b]fluoranthene	252	15.008	15.008	0.000	450116	8.14	
98 Benzo[k]fluoranthene	252	15.032	15.032	0.000	412214	7.76	
99 Benzo[a]pyrene	252	15.316	15.316	0.000	339069	8.06	
100 Indeno[1,2,3-cd]pyrene	276	16.316	16.316	0.000	289233	8.98	
101 Dibenz(a,h)anthracene	278	16.326	16.326	0.000	226790	8.87	
102 Benzo[g,h,i]perylene	276	16.557	16.557	0.000	250082	8.63	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 16-Sep-2009 12:19:44 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02954.D

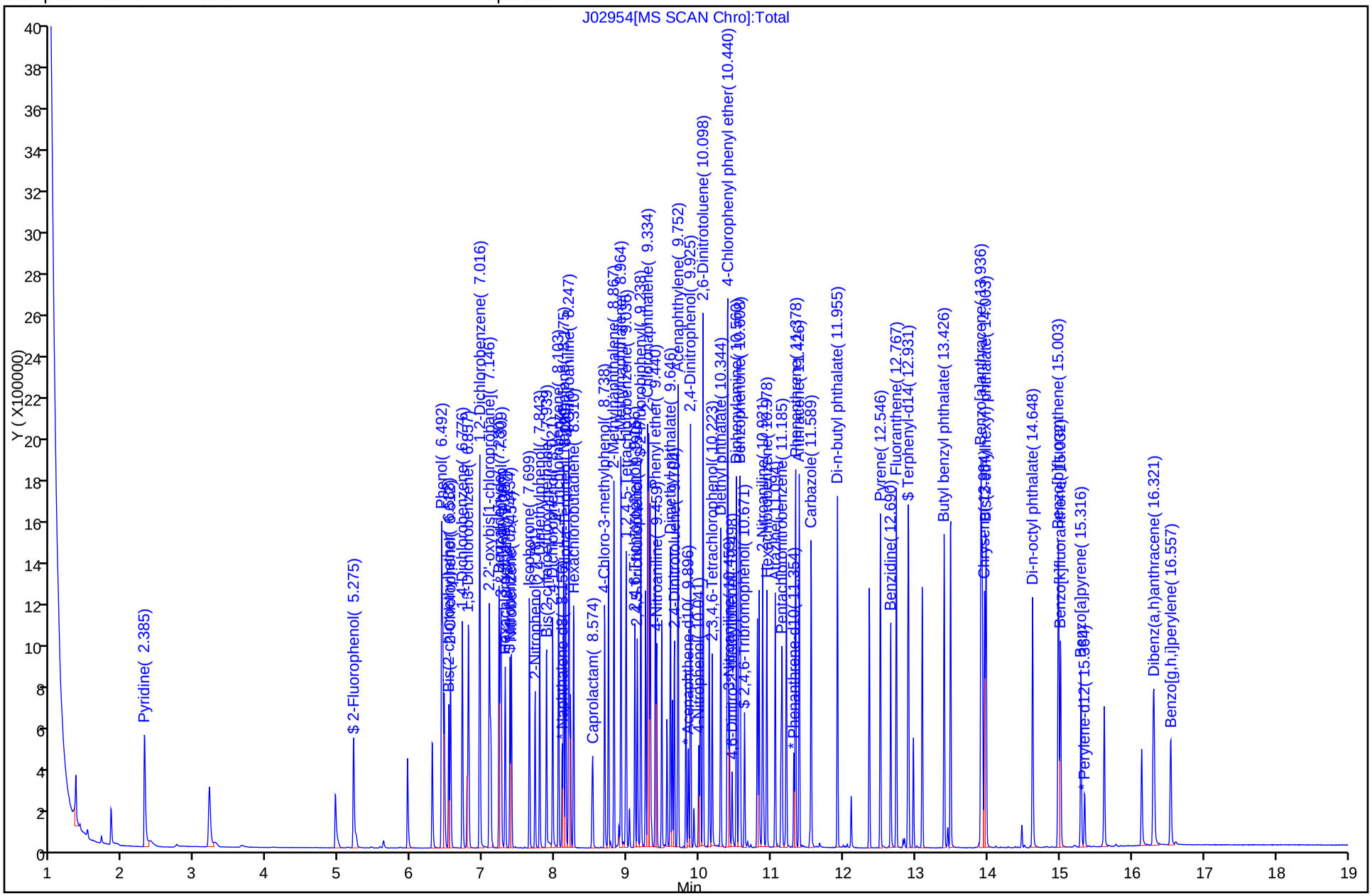
Inj Date: 15-Sep-2009 20:24:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48992 Lims Sample ID: 8

Client ID: Instrument: Inst. J

Sample Info: std8

Sample Amount: 1.00 uL Operator:



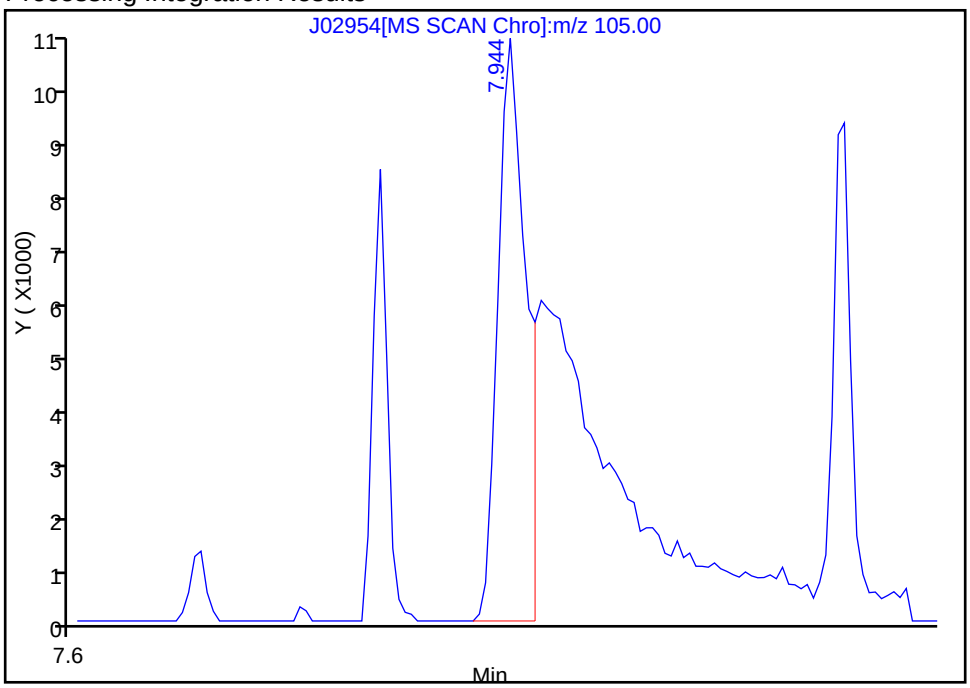
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02954.D		
Inj Date:	15-Sep-2009 20:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	8
Client ID:		Instrument:	Inst. J
Sample Info:	std8		
Sample Amount:	1.00 uL	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.99

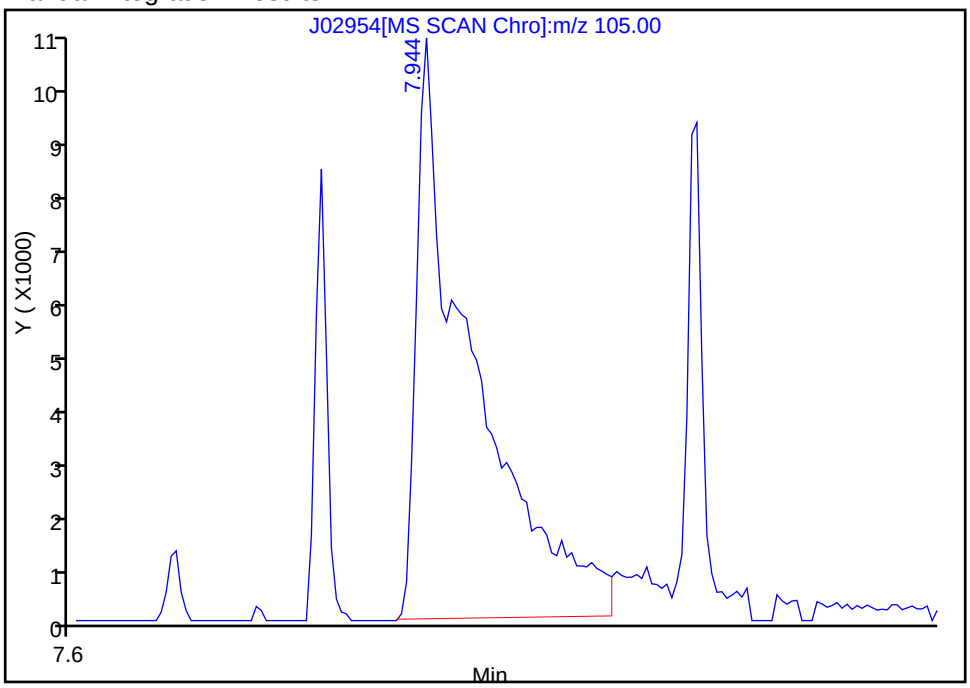
Processing Integration Results

RT: 7.94
Response: 16331
Amount: 8.150062



Manual Integration Results

RT: 7.94
Response: 39417
Amount: 7.895296



Reviewer: sullivanp, 16-Sep-2009 12:11:53
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

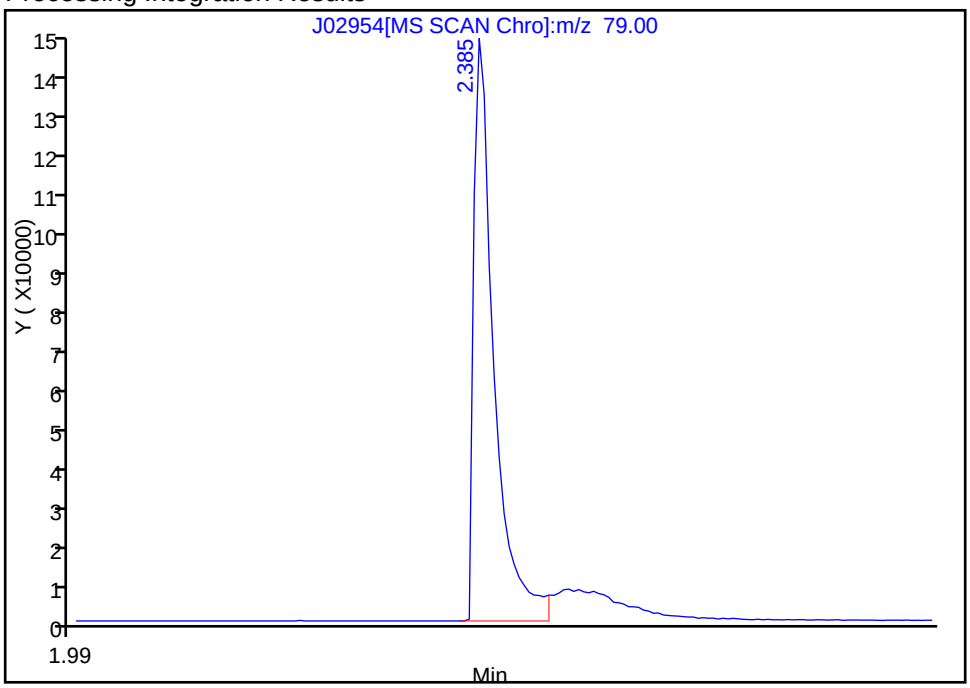
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02954.D		
Inj Date:	15-Sep-2009 20:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	8
Client ID:		Instrument:	Inst. J
Sample Info:	std8		
Sample Amount:	1.00 uL	Operator:	

16 Pyridine, Number: 1, m/z: 79 Type: quant, RT: 2.39

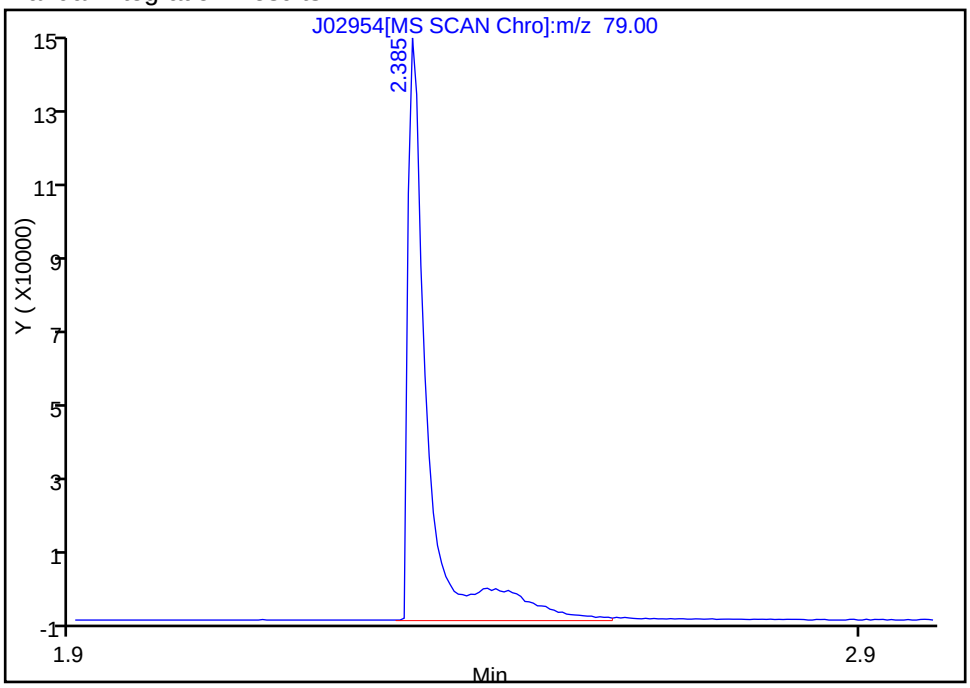
Processing Integration Results

RT: 2.39
Response: 198832
Amount: 7.123891



Manual Integration Results

RT: 2.39
Response: 238611
Amount: 7.284511



Reviewer: sullivanp, 16-Sep-2009 12:19:43
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02955.D		
Lims ID:	STD10	Client ID:	
Inject. Date:	15-Sep-2009 20:53:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	std10		
Misc. Info.:	360-0001180-009		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	48992	Lims Sample ID:	9
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\8270NDMA.m		
Last Update:	16-Sep-2009 12:13:10	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 16-Sep-2009 12:13:10

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.842	6.843	-0.001	74644	2.00	
* 2 Naphthalene-d8	136	8.155	8.156	-0.001	179215	2.00	
* 3 Acenaphthene-d10	164	9.896	9.896	0.000	92778	2.00	
* 4 Phenanthrene-d10	188	11.353	11.353	0.000	149998	2.00	
* 5 Chrysene-d12	240	13.960	13.960	0.000	117763	2.00	
* 6 Perylene-d12	264	15.368	15.369	-0.001	84307	2.00	
$ 7 2-Fluorophenol	112	5.270	5.275	-0.005	267751	11.7	
$ 8 Phenol-d5	99	6.491	6.492	-0.001	331340	11.6	
$ 9 Nitrobenzene-d5	82	7.434	7.434	0.000	312976	11.5	
$ 10 2-Fluorobiphenyl	172	9.242	9.238	0.004	576928	9.68	
$ 11 2,4,6-Tribromophenol	330	10.675	10.671	0.004	63469	10.6	
$ 12 Terphenyl-d14	244	12.935	12.936	-0.001	444679	9.83	
14 1,4-Dioxane	88	1.918	1.933	-0.015	105251	9.00	
15 N-Nitrosodimethylamine	74	2.380	2.395	-0.015	153570	12.7	
16 Pyridine	79	2.375	2.395	-0.020	256158	13.3	
19 Aniline	93	6.487	6.489	-0.002	405705	12.1	
18 Phenol	94	6.506	6.506	0.000	396339	11.4	
20 Bis(2-chloroethyl)ether	93	6.588	6.588	0.000	277533	10.9	
21 2-Chlorophenol	128	6.612	6.612	0.000	288079	11.7	
22 1,4-Dichlorobenzene	146	6.775	6.776	-0.001	311838	10.7	
23 1,3-Dichlorobenzene	146	6.862	6.862	0.000	320523	10.7	
24 Benzyl alcohol	79	7.011	7.011	0.000	235272	12.8	
25 1,2-Dichlorobenzene	146	7.016	7.021	-0.005	290948	10.4	
26 2-Methylphenol	108	7.145	7.146	-0.001	255959	11.8	
27 2,2'-oxybis[1-chloropropane]	45	7.165	7.165	0.000	278927	11.0	
30 Acetophenone	105	7.280	7.280	0.000	386242	11.8	
17 Benzaldehyde	105	7.280	7.280	0.000	386242	11.8	
29 N-Nitrosodi-n-propylamine	70	7.299	7.300	-0.001	200901	12.3	
28 3 & 4 Methylphenol	108	7.309	7.309	0.000	268327	11.9	
31 Hexachloroethane	117	7.367	7.367	0.000	116994	11.2	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.453	7.454	-0.001	310742	11.1	
33 Isophorone	82	7.698	7.699	-0.001	548800	11.0	
34 2-Nitrophenol	139	7.780	7.781	-0.001	147249	10.8	
35 2,4-Dimethylphenol	107	7.843	7.843	0.000	240483	11.1	
37 Bis(2-chloroethoxy)methane	93	7.939	7.934	0.005	321690	10.7	
36 Benzoic acid	105	7.949	7.949	0.000	66148	10.0	M
38 2,4-Dichlorophenol	162	8.021	8.021	0.000	217477	11.0	
39 1,2,4-Trichlorobenzene	180	8.102	8.103	-0.001	245015	10.1	
41 Naphthalene	128	8.175	8.175	0.000	835808	10.1	
40 Alpha-Terpineol	59	8.203	8.199	0.004	191015	11.7	
42 4-Chloroaniline	127	8.247	8.242	0.005	336749	11.8	
43 Hexachlorobutadiene	225	8.314	8.314	0.000	130637	10.2	
44 Caprolactam	55	8.578	8.564	0.014	94132	10.4	
45 4-Chloro-3-methylphenol	107	8.742	8.738	0.004	245236	11.1	
46 2-Methylnaphthalene	142	8.872	8.867	0.005	531804	10.4	
47 1-Methylnaphthalene	142	8.963	8.964	-0.001	529377	10.2	
48 Hexachlorocyclopentadiene	237	9.030	9.031	-0.001	65825	10.0	
49 1,2,4,5-Tetrachlorobenzene	216	9.040	9.040	0.000	209265	10.0	
50 2,4,6-Trichlorophenol	196	9.160	9.156	0.004	141705	11.2	
51 2,4,5-Trichlorophenol	196	9.194	9.190	0.004	145889	10.4	
52 1,1'-Biphenyl	154	9.333	9.334	-0.001	642736	9.73	
53 2-Chloronaphthalene	162	9.348	9.348	0.000	646093	10.3	
54 Phenyl ether	170	9.439	9.440	-0.001	351808	10.2	
68 4-Nitroaniline	138	9.458	9.459	-0.001	172955	10.6	
56 Dimethyl phthalate	163	9.651	9.646	0.005	576078	10.3	
63 2,4-Dinitrotoluene	165	9.704	9.704	0.000	135792	10.7	
58 Acenaphthylene	152	9.757	9.752	0.005	783824	10.6	
61 Acenaphthene	153	9.930	9.925	0.005	505813	9.85	
60 2,4-Dinitrophenol	184	9.973	9.973	0.000	32326	17.8	
62 4-Nitrophenol	109	10.040	10.036	0.004	64909	9.97	
64 Dibenzofuran	168	10.098	10.098	0.000	680622	9.68	
57 2,6-Dinitrotoluene	165	10.103	10.098	0.005	170220	10.6	
65 2,3,4,6-Tetrachlorophenol	232	10.228	10.223	0.005	106156	10.5	
66 Diethyl phthalate	149	10.343	10.344	-0.001	592888	10.4	
69 Fluorene	166	10.435	10.435	0.000	554654	10.1	
67 4-Chlorophenyl phenyl ether	204	10.444	10.440	0.004	257868	9.73	
59 3-Nitroaniline	138	10.464	10.459	0.005	125032	10.5	
70 4,6-Dinitro-2-methylphenol	198	10.502	10.498	0.004	61695	10.0	
72 N-Nitrosodiphenylamine	169	10.560	10.560	0.000	477355	10.8	
71 Diphenylamine	169	10.560	10.560	0.000	477355	10.8	
74 Azobenzene	77	10.598	10.599	0.000	988217	11.4	
73 1,2-Diphenylhydrazine	77	10.598	10.599	0.000	988217	11.4	
13 Benzophenone	105	10.613	10.608	0.005	601783	11.2	
75 4-Bromophenyl phenyl ether	248	10.920	10.921	-0.001	140612	10.5	
55 2-Nitroaniline	65	10.920	10.921	-0.001	19894	9.16	
76 Hexachlorobenzene	284	10.978	10.978	0.000	142966	9.93	
77 Atrazine	200	11.098	11.094	0.004	148100	10.8	
78 Pentachlorophenol	266	11.175	11.177	-0.002	57722	9.90	
79 Pentachloronitrobenzene	237	11.190	11.190	0.000	64359	10.4	
80 Phenanthrene	178	11.377	11.378	-0.001	750530	9.72	
81 Anthracene	178	11.425	11.426	-0.001	747971	11.1	
83 Carbazole	167	11.589	11.589	0.000	629787	10.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.954	11.955	-0.001	949159	11.8	
85 Pyrene	202	12.546	12.546	0.000	700079	11.6	
86 Benzidine	184	12.690	12.690	0.000	418443	10.2	
87 Fluoranthene	202	12.767	12.767	0.000	726503	10.8	
89 Butyl benzyl phthalate	149	13.426	13.426	0.000	373876	15.7	
91 3,3'-Dichlorobenzidine	252	13.935	13.936	-0.001	379505	15.0	
93 Benzo[a]anthracene	228	13.950	13.950	0.000	545297	10.8	
94 Chrysene	228	13.988	13.984	0.004	512862	9.33	
92 Bis(2-ethylhexyl) phthalate	149	14.003	14.003	0.000	537111	10.3	
95 Di-n-octyl phthalate	149	14.647	14.648	-0.001	773878	10.0	
97 Benzo[b]fluoranthene	252	15.008	15.008	0.000	497485	10.3	
98 Benzo[k]fluoranthene	252	15.037	15.032	0.005	488690	10.6	
99 Benzo[a]pyrene	252	15.316	15.316	0.000	387370	10.7	
100 Indeno[1,2,3-cd]pyrene	276	16.316	16.316	0.000	300516	10.0	
101 Dibenz(a,h)anthracene	278	16.325	16.326	-0.001	235770	10.1	
102 Benzo[g,h,i]perylene	276	16.556	16.557	-0.001	255836	9.97	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 16-Sep-2009 12:13:11 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02955.D

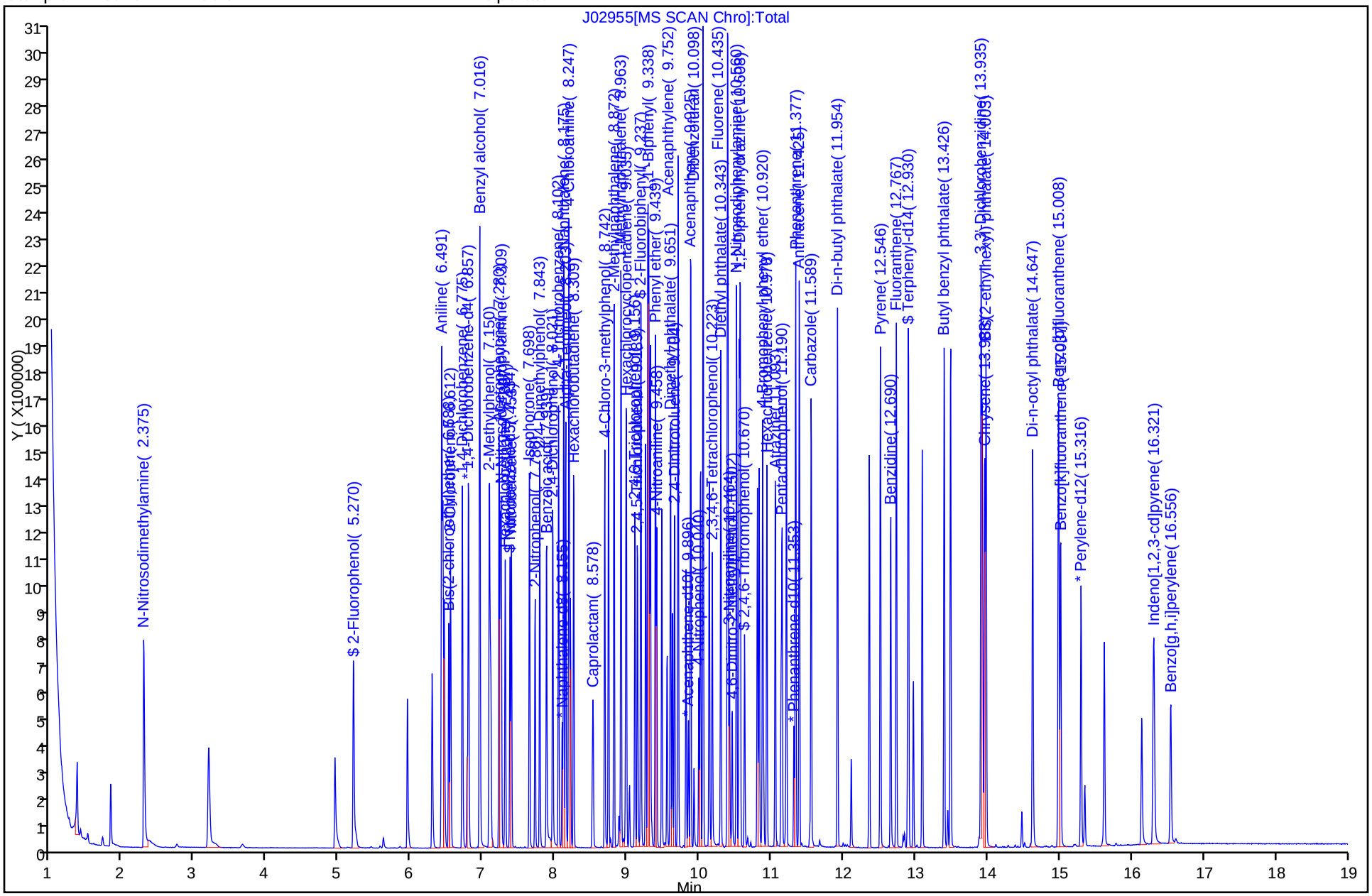
Inj Date: 15-Sep-2009 20:53:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48992 Lims Sample ID: 9

Client ID: Instrument: Inst. J

Sample Info: std10

Sample Amount: 1.00 uL Operator:



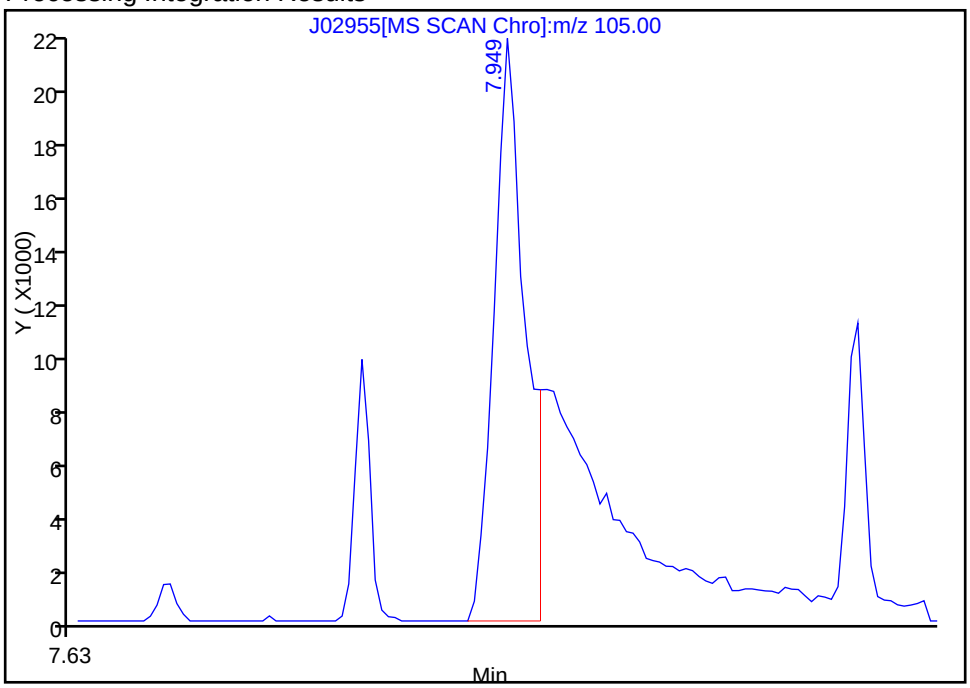
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02955.D		
Inj Date:	15-Sep-2009 20:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	9
Client ID:		Instrument:	Inst. J
Sample Info:	std10		
Sample Amount:	1.00 uL	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.95

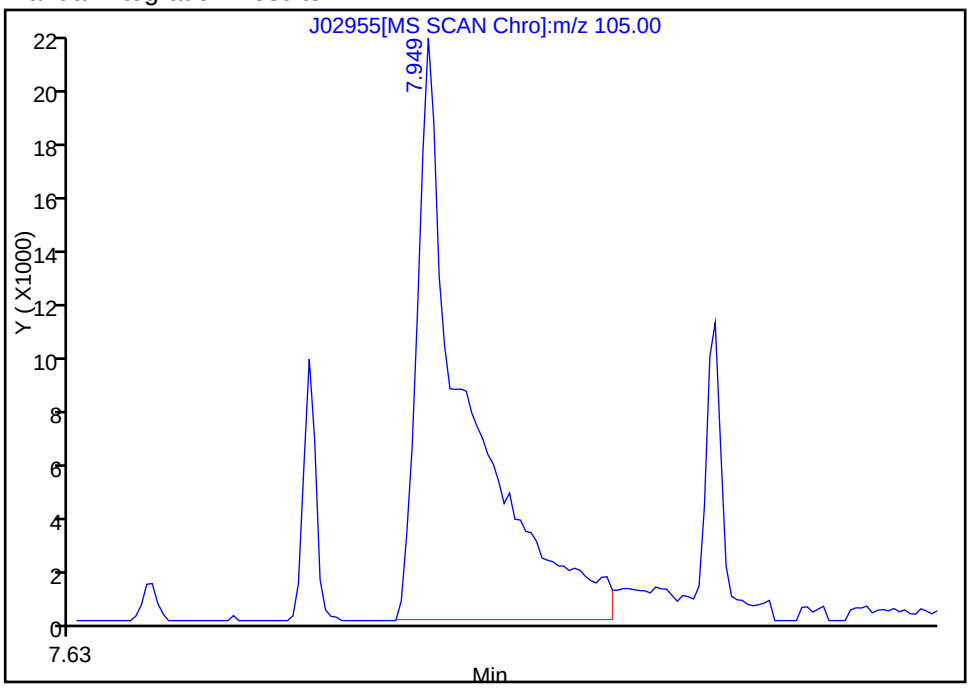
Processing Integration Results

RT: 7.95
Response: 35082
Amount: 16.766766



Manual Integration Results

RT: 7.95
Response: 66148
Amount: 10.030792



Reviewer: sullivanp, 16-Sep-2009 12:13:10
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Lims ID:	STD20	Client ID:	
Inject. Date:	15-Sep-2009 21:23:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	std20		
Misc. Info.:	360-0001180-010		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	48992	Lims Sample ID:	10
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\8270NDMA.m		
Last Update:	16-Sep-2009 12:14:32	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	16-Sep-2009 12:14:32

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.842	6.843	-0.001	97767	2.00	
* 2 Naphthalene-d8	136	8.154	8.156	-0.002	244276	2.00	
* 3 Acenaphthene-d10	164	9.900	9.896	0.004	124305	2.00	
* 4 Phenanthrene-d10	188	11.357	11.353	0.004	205231	2.00	
* 5 Chrysene-d12	240	13.963	13.960	0.003	156729	2.00	
* 6 Perylene-d12	264	15.368	15.369	-0.001	102750	2.00	
$ 7 2-Fluorophenol	112	5.279	5.275	0.004	710449	23.2	
$ 8 Phenol-d5	99	6.500	6.492	0.008	832763	22.0	
$ 9 Nitrobenzene-d5	82	7.438	7.434	0.004	813756	21.7	
$ 10 2-Fluorobiphenyl	172	9.246	9.238	0.008	1430225	18.1	
$ 11 2,4,6-Tribromophenol	330	10.679	10.671	0.008	172356	20.6	
$ 12 Terphenyl-d14	244	12.939	12.936	0.003	1146784	19.1	
14 1,4-Dioxane	88	1.927	1.933	-0.006	266258	19.9	
15 N-Nitrosodimethylamine	74	2.398	2.395	0.003	363816	22.6	
16 Pyridine	79	2.384	2.395	-0.011	652538	24.9	
19 Aniline	93	6.495	6.489	0.006	1038728	23.1	
18 Phenol	94	6.515	6.506	0.009	991978	21.5	
20 Bis(2-chloroethyl)ether	93	6.592	6.588	0.004	710432	21.1	
21 2-Chlorophenol	128	6.616	6.612	0.004	737992	22.6	
22 1,4-Dichlorobenzene	146	6.779	6.776	0.003	779231	20.4	
23 1,3-Dichlorobenzene	146	6.861	6.862	-0.001	801240	20.4	
24 Benzyl alcohol	79	7.020	7.011	0.009	605310	24.4	
25 1,2-Dichlorobenzene	146	7.020	7.021	-0.001	719822	19.7	
26 2-Methylphenol	108	7.154	7.146	0.008	652487	22.6	
27 2,2'-oxybis[1-chloropropane]	45	7.169	7.165	0.004	719047	21.4	
30 Acetophenone	105	7.289	7.280	0.009	992056	22.8	
17 Benzaldehyde	105	7.289	7.280	0.009	992056	22.8	5
29 N-Nitrosodi-n-propylamine	70	7.308	7.300	0.008	511208	23.4	
28 3 & 4 Methylphenol	108	7.318	7.309	0.009	692647	23.0	
31 Hexachloroethane	117	7.366	7.367	-0.001	303710	21.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.457	7.454	0.003	808364	21.0	
33 Isophorone	82	7.707	7.699	0.008	1416752	20.7	
34 2-Nitrophenol	139	7.784	7.781	0.003	389533	20.5	
35 2,4-Dimethylphenol	107	7.847	7.843	0.004	652539	21.9	
37 Bis(2-chloroethoxy)methane	93	7.943	7.934	0.009	817756	20.0	
36 Benzoic acid	105	7.986	7.986	0.000	373410	20.0	M
38 2,4-Dichlorophenol	162	8.029	8.021	0.008	565013	20.8	
39 1,2,4-Trichlorobenzene	180	8.106	8.103	0.003	611593	18.7	
41 Naphthalene	128	8.178	8.175	0.003	2039430	18.2	
40 Alpha-Terpineol	59	8.207	8.199	0.008	492745	21.9	
42 4-Chloroaniline	127	8.251	8.242	0.009	829506	21.1	
43 Hexachlorobutadiene	225	8.313	8.314	-0.001	328126	18.8	
44 Caprolactam	55	8.616	8.564	0.052	250564	20.7	
45 4-Chloro-3-methylphenol	107	8.746	8.738	0.008	659598	21.5	
46 2-Methylnaphthalene	142	8.871	8.867	0.004	1325974	19.1	
47 1-Methylnaphthalene	142	8.967	8.964	0.003	1335257	18.9	
48 Hexachlorocyclopentadiene	237	9.034	9.031	0.003	167831	20.0	
49 1,2,4,5-Tetrachlorobenzene	216	9.044	9.040	0.004	531171	18.8	
50 2,4,6-Trichlorophenol	196	9.159	9.156	0.003	372729	21.6	
51 2,4,5-Trichlorophenol	196	9.198	9.190	0.008	391174	20.4	
52 1,1'-Biphenyl	154	9.342	9.334	0.008	1556981	17.8	
53 2-Chloronaphthalene	162	9.357	9.348	0.009	1585142	19.0	
54 Phenyl ether	170	9.443	9.440	0.003	872609	18.6	
68 4-Nitroaniline	138	9.467	9.459	0.008	473426	20.8	
56 Dimethyl phthalate	163	9.660	9.646	0.014	1475996	19.7	
63 2,4-Dinitrotoluene	165	9.712	9.704	0.008	355808	20.8	
58 Acenaphthylene	152	9.761	9.752	0.009	1916816	19.5	
61 Acenaphthene	153	9.934	9.925	0.009	1261043	18.5	
60 2,4-Dinitrophenol	184	9.977	9.973	0.004	119757	39.6	
62 4-Nitrophenol	109	10.049	10.036	0.013	214051	20.0	
64 Dibenzofuran	168	10.102	10.098	0.004	1671471	18.0	
57 2,6-Dinitrotoluene	165	10.107	10.098	0.009	445055	20.3	
65 2,3,4,6-Tetrachlorophenol	232	10.232	10.223	0.009	294269	20.9	
66 Diethyl phthalate	149	10.352	10.344	0.008	1524498	19.9	
69 Fluorene	166	10.439	10.435	0.004	1345234	18.5	
67 4-Chlorophenyl phenyl ether	204	10.443	10.440	0.003	645551	18.4	
59 3-Nitroaniline	138	10.472	10.459	0.013	335455	20.9	
70 4,6-Dinitro-2-methylphenol	198	10.511	10.498	0.013	190423	19.9	
72 N-Nitrosodiphenylamine	169	10.568	10.560	0.008	1193590	19.8	
71 Diphenylamine	169	10.568	10.560	0.008	1193590	19.8	
74 Azobenzene	77	10.602	10.599	0.004	2485111	20.8	
73 1,2-Diphenylhydrazine	77	10.602	10.599	0.004	2485111	20.8	
13 Benzophenone	105	10.616	10.608	0.008	1522510	20.7	
75 4-Bromophenyl phenyl ether	248	10.924	10.921	0.003	355555	19.4	
55 2-Nitroaniline	65	10.924	10.921	0.003	50065	17.5	
76 Hexachlorobenzene	284	10.982	10.978	0.004	367749	18.8	
77 Atrazine	200	11.102	11.094	0.008	364526	19.5	
78 Pentachlorophenol	266	11.179	11.177	0.002	184091	19.9	
79 Pentachloronitrobenzene	237	11.194	11.190	0.004	173999	20.2	
80 Phenanthrene	178	11.381	11.378	0.003	1888864	18.1	
81 Anthracene	178	11.434	11.426	0.008	1858295	20.2	
83 Carbazole	167	11.597	11.589	0.008	1589540	20.1	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.958	11.955	0.003	2408459	21.6	
85 Pyrene	202	12.550	12.546	0.004	1781012	19.7	
86 Benzidine	184	12.694	12.690	0.004	1276786	20.5	
87 Fluoranthene	202	12.771	12.767	0.004	1859826	20.2	
89 Butyl benzyl phthalate	149	13.430	13.426	0.004	974059	20.4	
91 3,3'-Dichlorobenzidine	252	13.944	13.936	0.008	1011269	20.2	
93 Benzo[a]anthracene	228	13.954	13.950	0.004	1425571	21.3	
94 Chrysene	228	13.992	13.984	0.008	1305277	18.0	
92 Bis(2-ethylhexyl) phthalate	149	14.007	14.003	0.004	1433960	20.5	
95 Di-n-octyl phthalate	149	14.651	14.648	0.003	2177997	20.0	
97 Benzo[b]fluoranthene	252	15.017	15.008	0.009	1173873	20.0	
98 Benzo[k]fluoranthene	252	15.041	15.032	0.009	1182123	21.0	
99 Benzo[a]pyrene	252	15.320	15.316	0.004	912306	20.3	
100 Indeno[1,2,3-cd]pyrene	276	16.315	16.316	-0.001	627334	18.3	
101 Dibenz(a,h)anthracene	278	16.329	16.326	0.003	508308	18.7	
102 Benzo[g,h,i]perylene	276	16.555	16.557	-0.002	530720	17.3	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 16-Sep-2009 12:14:33 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D

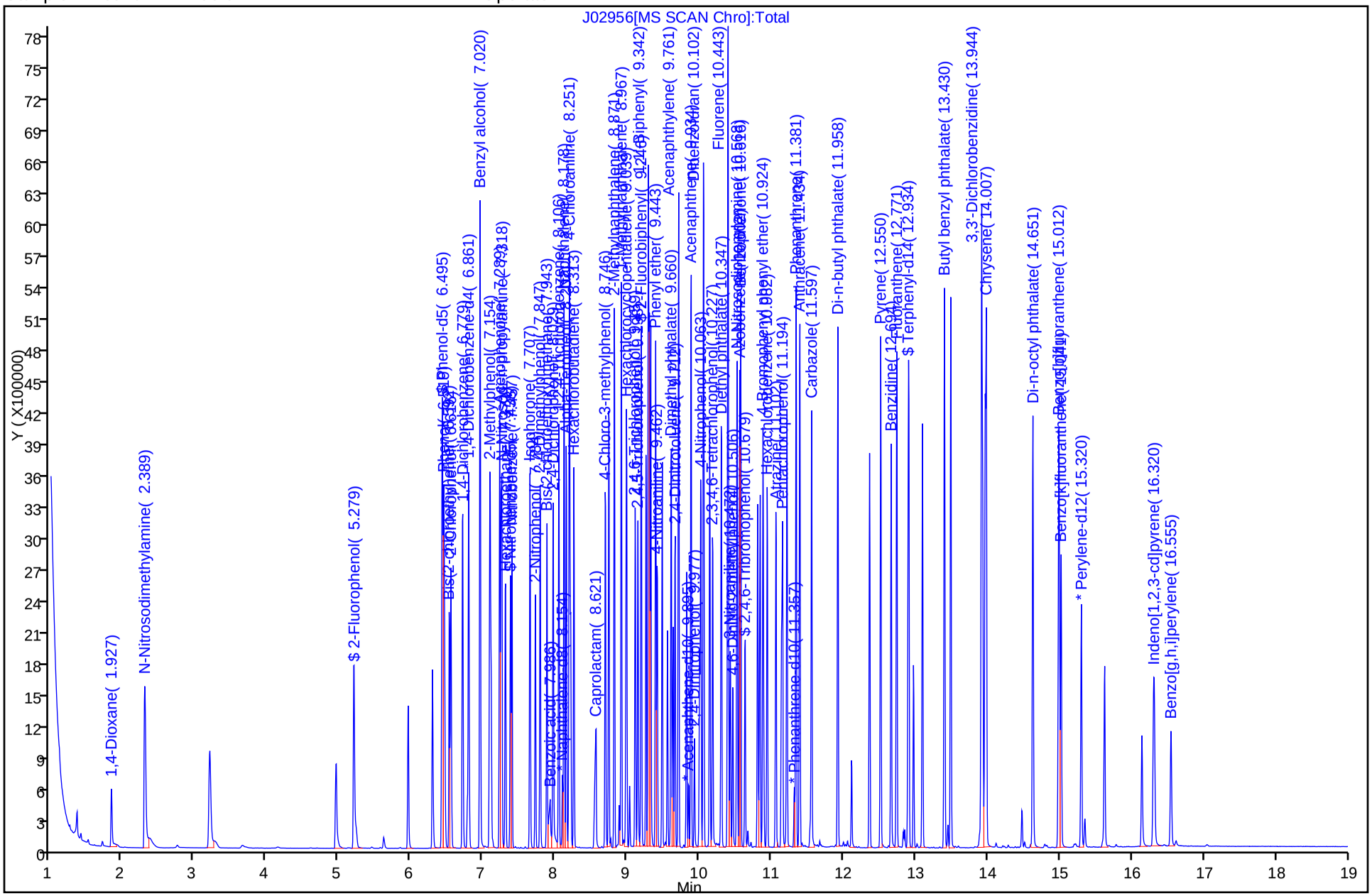
Inj Date: 15-Sep-2009 21:23:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48992 Lims Sample ID: 10

Client ID: Instrument: Inst. J

Sample Info: std20

Sample Amount: 1.00 uL Operator:

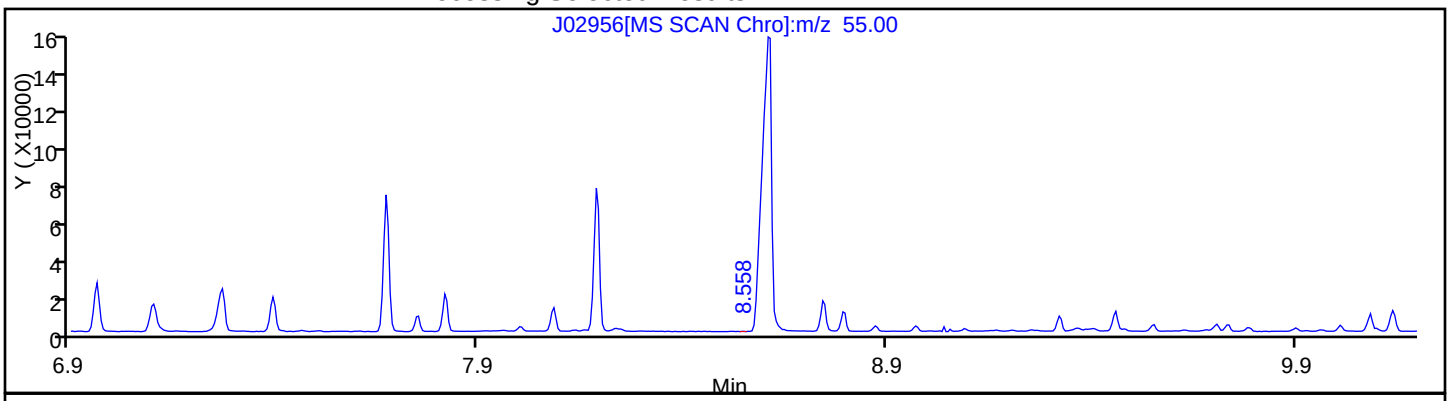


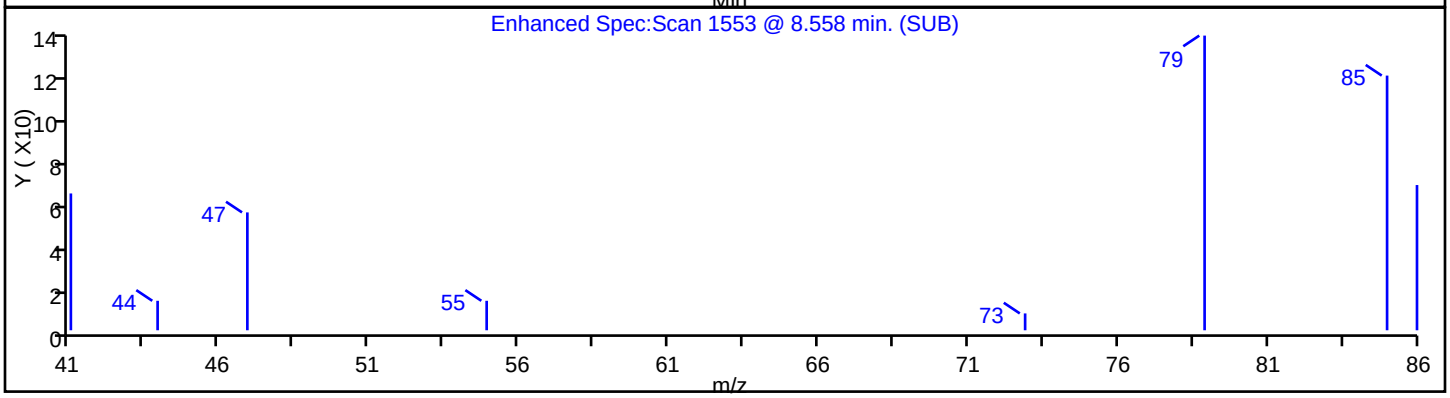
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Inj Date:	15-Sep-2009 21:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	10
Client ID:		Instrument:	Inst. J
Sample Info:	std20		
Sample Amount:	1.00 uL	Operator:	

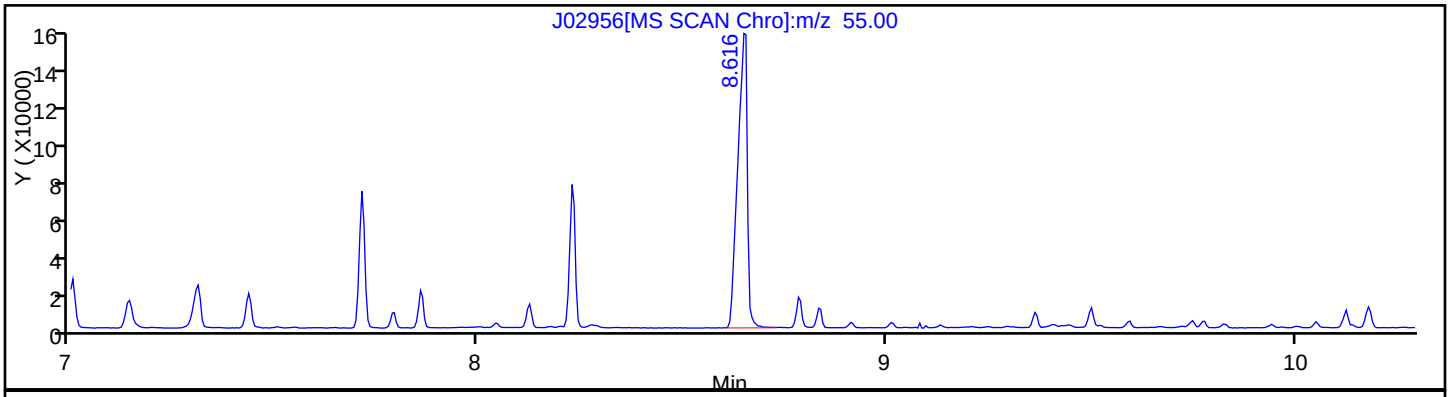
44 Caprolactam

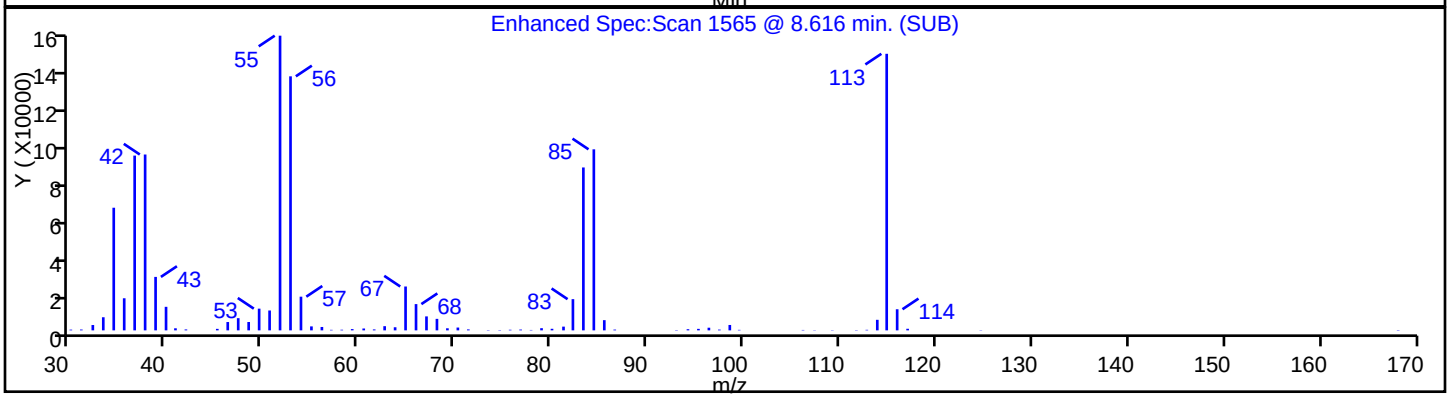
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 16-Sep-2009 12:14:32
Audit Action: Selected Alternate Hit
Audit Reason:

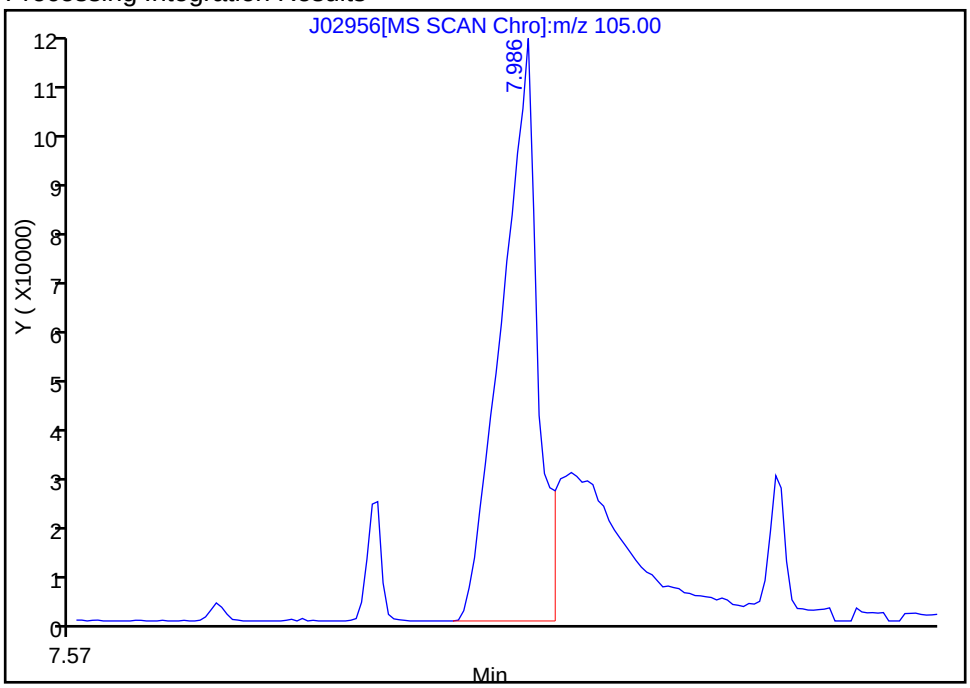
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Inj Date:	15-Sep-2009 21:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	Lims Sample ID:	10
Client ID:		Instrument:	Inst. J
Sample Info:	std20		
Sample Amount:	1.00 uL	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.99

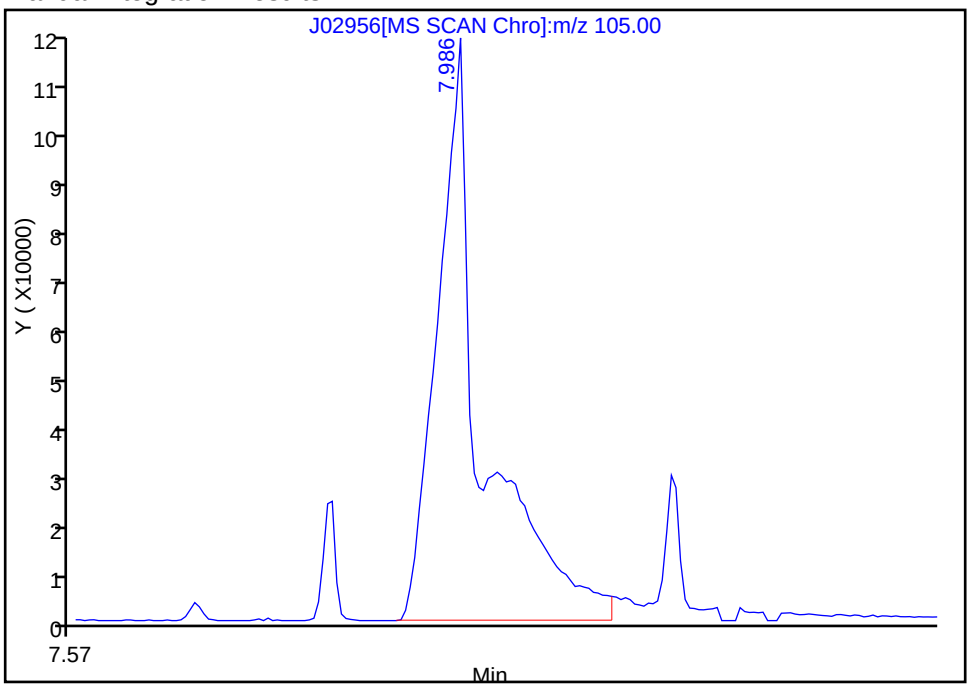
Processing Integration Results

RT: 7.99
Response: 252633
Amount: 19.920416



Manual Integration Results

RT: 7.99
Response: 373410
Amount: 19.984111



Reviewer: sullivanp, 16-Sep-2009 12:14:32
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab Sample ID: CCV 360-49098/2 Calibration Date: 09/17/2009 19:14

Instrument ID: Inst. B Calib Start Date: 09/17/2009 13:00

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/17/2009 17:32

Lab File ID: B10372.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.2103		5050	5000	1.0	30.0
N-Nitrosodimethylamine	Ave	0.4116	0.3748		4550	5000	-8.9	30.0
Pyridine	Ave	0.5013	0.5216		5200	5000	4.1	30.0
Benzaldehyde	Lin		0.1817		4290	5000	-14.2	30.0
Phenol	Ave	0.7088	0.6427		4530	5000	-9.3	20.0
Aniline	Lin1		0.6988		4770	5000	-4.7	30.0
Bis(2-chloroethyl)ether	Ave	0.5954	0.5087		4270	5000	-14.6	30.0
2-Chlorophenol	Ave	0.5931	0.5487		4630	5000	-7.5	30.0
1,4-Dichlorobenzene	Ave	0.7270	0.6527		4490	5000	-10.2	20.0
1,3-Dichlorobenzene	Ave	0.7568	0.6776		4480	5000	-10.5	30.0
Benzyl alcohol	Lin1		0.3591		4040	5000	-19.3	30.0
1,2-Dichlorobenzene	Ave	0.6988	0.6235		4460	5000	-10.8	30.0
2-Methylphenol	Ave	0.5589	0.5169		4620	5000	-7.5	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.060	0.9617		4540	5000	-9.3	30.0
3 & 4 Methylphenol	Ave	0.5469	0.4996		4570	5000	-8.7	30.0
N-Nitrosodi-n-propylamine	Ave	0.4016	0.3749	0.0500	4670	5000	-6.6	30.0
Acetophenone	Ave	0.8113	0.7402		4560	5000	-8.8	30.0
Hexachloroethane	Ave	0.2552	0.2346		4600	5000	-8.1	30.0
Nitrobenzene	Ave	0.2697	0.2481		4600	5000	-8.0	30.0
Isophorone	Ave	0.4369	0.4195		4800	5000	-4.0	30.0
2,4-Dimethylphenol	Ave	0.2025	0.1763		4350	5000	-13.0	30.0
2-Nitrophenol	Ave	0.1295	0.1257		4850	5000	-3.0	20.0
Benzoic acid	Qua		0.0588		4570	5000	-8.6	30.0
Bis(2-chloroethoxy)methane	Ave	0.2715	0.2391		4400	5000	-11.9	30.0
2,4-Dichlorophenol	Ave	0.1912	0.1766		4620	5000	-7.6	20.0
1,2,4-Trichlorobenzene	Ave	0.2361	0.2090		4420	5000	-11.5	30.0
Alpha-Terpineol	Ave	0.2063	0.1903		4610	5000	-7.7	30.0
Naphthalene	Lin		0.7119		5500	5000	10.0	30.0
4-Chloroaniline	Lin1		0.3388		5020	5000	0.4	30.0
Hexachlorobutadiene	Ave	0.1174	0.1061		4520	5000	-9.6	20.0
Caprolactam	Ave	0.1058	0.1034		4890	5000	-2.2	30.0
4-Chloro-3-methylphenol	Ave	0.1866	0.1670		4480	5000	-10.5	20.0
2-Methylnaphthalene	Ave	0.4933	0.4421		4480	5000	-10.4	30.0
1-Methylnaphthalene	Ave	0.4958	0.4439		4480	5000	-10.5	30.0
Hexachlorocyclopentadiene	Lin2		0.1568	0.0500	4840	5000	-3.2	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2073	0.1817		4380	5000	-12.4	30.0
2,4,6-Trichlorophenol	Ave	0.3010	0.2817		4680	5000	-6.4	20.0
2,4,5-Trichlorophenol	Ave	0.3130	0.2657		4240	5000	-15.1	30.0
1,1'-Biphenyl	Ave	1.422	1.403		4930	5000	-1.3	30.0
2-Chloronaphthalene	Ave	1.331	1.283		4820	5000	-3.6	30.0
Phenyl ether	Ave	0.3388	0.3058		4510	5000	-9.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab Sample ID: CCV 360-49098/2 Calibration Date: 09/17/2009 19:14

Instrument ID: Inst. B Calib Start Date: 09/17/2009 13:00

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/17/2009 17:32

Lab File ID: B10372.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Lin2		0.3683		4860	5000	-2.7	30.0
Dimethyl phthalate	Ave	1.252	1.194		4770	5000	-4.6	30.0
2,6-Dinitrotoluene	Ave	0.2850	0.2922		5130	5000	2.5	30.0
Acenaphthylene	Ave	1.619	1.647		5090	5000	1.7	30.0
3-Nitroaniline	Lin1		0.2718		4560	5000	-8.9	30.0
2,4-Dinitrophenol	Qua		0.0806	0.0500	5210	5000	4.2	30.0
4-Nitrophenol	Lin1		0.1226	0.0500	3600	5000	-28.0	30.0
Acenaphthene	Ave	1.160	1.117		4810	5000	-3.7	20.0
2,4-Dinitrotoluene	Lin1		0.3599		4480	5000	-10.4	30.0
Dibenzofuran	Ave	1.479	1.459		4930	5000	-1.3	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2215		4210	5000	-15.8	30.0
Diethyl phthalate	Ave	1.264	1.223		4840	5000	-3.2	30.0
4-Chlorophenyl phenyl ether	Ave	0.5686	0.5426		4770	5000	-4.6	30.0
2-Nitroaniline	Lin		0.2990		4500	5000	-10.0	30.0
Fluorene	Ave	1.254	1.259		5020	5000	0.4	30.0
4,6-Dinitro-2-methylphenol	Qua		0.0801		5280	5000	5.7	30.0
Diphenylamine	Ave	0.6403	0.6235		4870	5000	-2.6	30.0
N-Nitrosodiphenylamine	Ave	0.6403	0.6235		4870	5000	-2.6	20.0
1,2-Diphenylhydrazine	Ave	1.161	1.165		5020	5000	0.4	30.0
Azobenzene	Ave	1.161	1.165		5020	5000	0.4	30.0
Benzophenone	Ave	0.7281	0.7077		4860	5000	-2.8	30.0
4-Bromophenyl phenyl ether	Ave	0.1774	0.1699		4790	5000	-4.2	30.0
Atrazine	Ave	0.1820	0.1821		5000	5000	0.1	30.0
Hexachlorobenzene	Ave	0.1666	0.1533		4600	5000	-8.0	30.0
Pentachlorophenol	Qua		0.0680		4210	5000	-15.8	20.0
Pentachloronitrobenzene	Lin1		0.0730		4290	5000	-14.1	30.0
Phenanthrene	Ave	1.019	0.9653		4730	5000	-5.3	30.0
Anthracene	Ave	0.9544	0.9490		4970	5000	-0.6	30.0
Carbazole	Ave	0.7793	0.7253		4650	5000	-6.9	30.0
Di-n-butyl phthalate	Ave	1.222	1.142		4670	5000	-6.6	30.0
Fluoranthene	Ave	0.9200	0.8822		4790	5000	-4.1	20.0
Benzidine	Lin		0.5482		5580	5000	11.7	30.0
Pyrene	Ave	1.328	1.257		4730	5000	-5.4	30.0
Butyl benzyl phthalate	Ave	0.6084	0.6134		5040	5000	0.8	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.8794	0.8515		4840	5000	-3.2	30.0
3,3'-Dichlorobenzidine	Lin1		0.5640		4420	5000	-11.6	30.0
Benzo[a]anthracene	Ave	0.8743	0.8464		4840	5000	-3.2	30.0
Chrysene	Ave	0.8521	0.7929		4650	5000	-6.9	30.0
Di-n-octyl phthalate	Lin1		2.210		4710	5000	-5.9	20.0
Benzo[b]fluoranthene	Ave	1.145	1.155		5040	5000	0.8	30.0
Benzo[k]fluoranthene	Ave	1.064	1.037		4880	5000	-2.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab Sample ID: CCV 360-49098/2 Calibration Date: 09/17/2009 19:14

Instrument ID: Inst. B Calib Start Date: 09/17/2009 13:00

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/17/2009 17:32

Lab File ID: B10372.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Lin1		0.8466		4470	5000	-10.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.5735	0.5445		4750	5000	-5.1	30.0
Dibenz(a,h)anthracene	Lin1		0.4437		4250	5000	-15.0	30.0
Benzo[g,h,i]perylene	Ave	0.5157	0.4463		4330	5000	-13.5	30.0
2-Fluorophenol	Ave	0.5632	0.5138		4560	5000	-8.8	30.0
Phenol-d5	Ave	0.6736	0.6186		4590	5000	-8.2	30.0
Nitrobenzene-d5	Ave	0.2761	0.2575		4660	5000	-6.7	30.0
2-Fluorobiphenyl	Ave	1.298	1.246		4800	5000	-4.0	30.0
2,4,6-Tribromophenol	Lin1		0.0574		4010	5000	-19.8	30.0
Terphenyl-d14	Ave	0.7925	0.7391		4660	5000	-6.7	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10372.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	17-Sep-2009 19:14:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	ccv		
Misc. Info.:	360-0001208-002		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49098	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\8270B.m		
Last Update:	18-Sep-2009 13:01:48	Calib Date:	17-Sep-2009 17:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	18-Sep-2009 13:01:48

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.243	8.243	0.000	662776	2.00	
* 2 Naphthalene-d8	136	9.363	9.363	0.000	1570331	2.00	
* 3 Acenaphthene-d10	164	10.878	10.874	0.004	620870	2.00	
* 4 Phenanthrene-d10	188	12.162	12.162	0.000	1050055	2.00	
* 5 Chrysene-d12	240	15.932	15.932	0.000	779955	2.00	
* 6 Perylene-d12	264	18.625	18.625	0.000	453542	2.00	
$ 7 2-Fluorophenol	112	7.012	7.007	0.005	851247	4.56	
$ 8 Phenol-d5	99	7.858	7.854	0.004	1024944	4.59	
$ 9 Nitrobenzene-d5	82	8.729	8.729	0.000	1010855	4.66	
$ 10 2-Fluorobiphenyl	172	10.258	10.258	0.000	1934736	4.80	
$ 11 2,4,6-Tribromophenol	330	11.547	11.547	0.000	150755	4.01	
$ 12 Terphenyl-d14	244	13.965	13.961	0.004	1441088	4.66	
14 1,4-Dioxane	88	5.021	5.007	0.014	348507	5.05	
15 N-Nitrosodimethylamine	42	5.468	5.459	0.009	620992	4.55	
16 Pyridine	79	5.521	5.517	0.004	864329	5.20	
17 Benzaldehyde	105	7.853	7.854	-0.001	301016	4.29	
18 Phenol	94	7.873	7.868	0.005	1064863	4.53	
19 Aniline	93	7.940	7.940	0.000	1157824	4.77	
20 Bis(2-chloroethyl)ether	93	7.974	7.969	0.005	842931	4.27	
21 2-Chlorophenol	128	8.055	8.056	-0.001	909173	4.63	
22 1,4-Dichlorobenzene	146	8.200	8.195	0.005	1081514	4.49	
23 1,3-Dichlorobenzene	146	8.257	8.258	-0.001	1122694	4.48	
24 Benzyl alcohol	79	8.339	8.334	0.005	594956	4.04	
25 1,2-Dichlorobenzene	146	8.402	8.402	0.000	1033066	4.46	
26 2-Methylphenol	108	8.411	8.411	0.000	856472	4.62	
27 2,2'-oxybis[1-chloropropane]	45	8.445	8.440	0.005	1593480	4.54	
28 3 & 4 Methylphenol	108	8.541	8.536	0.005	827720	4.57	
29 N-Nitrosodi-n-propylamine	70	8.560	8.561	0.000	621261	4.67	
30 Acetophenone	105	8.580	8.580	0.000	1226485	4.56	
31 Hexachloroethane	117	8.705	8.705	0.000	388696	4.60	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.743	8.743	0.000	974085	4.60	
33 Isophorone	82	8.935	8.936	-0.001	1646910	4.80	
35 2,4-Dimethylphenol	107	9.003	9.003	0.000	691912	4.35	
34 2-Nitrophenol	139	9.022	9.017	0.005	493342	4.85	
36 Benzoic acid	105	9.051	9.037	0.014	230881	4.57	
37 Bis(2-chloroethoxy)methane	93	9.084	9.085	-0.001	938628	4.40	
38 2,4-Dichlorophenol	162	9.224	9.219	0.005	693444	4.62	
39 1,2,4-Trichlorobenzene	180	9.301	9.301	0.000	820293	4.42	
40 Alpha-Terpineol	59	9.349	9.344	0.005	747185	4.61	
41 Naphthalene	128	9.387	9.383	0.004	2794891	5.50	
42 4-Chloroaniline	127	9.402	9.402	0.000	1330090	5.02	
43 Hexachlorobutadiene	225	9.464	9.465	-0.001	416471	4.52	
44 Caprolactam	55	9.705	9.691	0.014	406030	4.89	
45 4-Chloro-3-methylphenol	107	9.777	9.772	0.005	655612	4.48	
46 2-Methylnaphthalene	142	9.969	9.969	0.000	1735669	4.48	
47 1-Methylnaphthalene	142	10.061	10.061	0.000	1742694	4.48	
48 Hexachlorocyclopentadiene	237	10.094	10.095	-0.001	243388	4.84	
49 1,2,4,5-Tetrachlorobenzene	216	10.114	10.114	0.000	713171	4.38	
50 2,4,6-Trichlorophenol	196	10.195	10.191	0.004	437222	4.68	
51 2,4,5-Trichlorophenol	196	10.234	10.229	0.005	412428	4.24	
52 1,1'-Biphenyl	154	10.354	10.354	0.000	2178018	4.93	
53 2-Chloronaphthalene	162	10.397	10.397	0.000	1990821	4.82	
54 Phenyl ether	170	10.431	10.431	0.000	1200605	4.51	
68 4-Nitroaniline	138	10.465	10.460	0.005	571687	4.86	
56 Dimethyl phthalate	163	10.570	10.571	-0.001	1853070	4.77	
57 2,6-Dinitrotoluene	165	10.643	10.643	0.000	453592	5.13	
58 Acenaphthylene	152	10.763	10.763	0.000	2556173	5.09	
59 3-Nitroaniline	138	10.806	10.806	0.000	421838	4.56	
60 2,4-Dinitrophenol	184	10.888	10.888	0.000	125108	5.21	
62 4-Nitrophenol	109	10.897	10.893	0.004	190226	3.60	
61 Acenaphthene	153	10.907	10.902	0.005	1734166	4.81	
63 2,4-Dinitrotoluene	165	10.994	10.989	0.005	558610	4.48	
64 Dibenzofuran	168	11.046	11.047	-0.001	2264495	4.93	
65 2,3,4,6-Tetrachlorophenol	232	11.138	11.133	0.005	343737	4.21	
66 Diethyl phthalate	149	11.152	11.152	0.000	1898459	4.84	
67 4-Chlorophenyl phenyl ether	204	11.301	11.302	-0.001	842252	4.77	
55 2-Nitroaniline	65	11.335	11.330	0.005	464027	4.50	
69 Fluorene	166	11.340	11.340	0.000	1954695	5.02	
70 4,6-Dinitro-2-methylphenol	198	11.345	11.345	0.000	210164	5.28	
71 Diphenylamine	169	11.398	11.393	0.005	1636813	4.87	
72 N-Nitrosodiphenylamine	169	11.398	11.393	0.005	1636813	4.87	
73 1,2-Diphenylhydrazine	77	11.441	11.441	0.000	3059499	5.02	
74 Azobenzene	77	11.441	11.441	0.000	3059499	5.02	
13 Benzophenone	105	11.450	11.451	-0.001	1857862	4.86	
75 4-Bromophenyl phenyl ether	248	11.725	11.725	-0.001	445967	4.79	
77 Atrazine	200	11.801	11.802	-0.001	478144	5.00	
76 Hexachlorobenzene	284	11.821	11.816	0.005	402498	4.60	
78 Pentachlorophenol	266	11.970	11.976	-0.006	178614	4.21	
79 Pentachloronitrobenzene	237	11.984	11.980	0.004	191634	4.29	
80 Phenanthrene	178	12.186	12.182	0.004	2534000	4.73	
81 Anthracene	178	12.234	12.230	0.004	2491212	4.97	
83 Carbazole	167	12.354	12.355	-0.001	1904050	4.65	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.580	12.581	-0.001	2997543	4.67	
87 Fluoranthene	202	13.494	13.494	0.000	2315794	4.79	
86 Benzidine	184	13.600	13.616	-0.016	1439072	5.58	
85 Pyrene	202	13.840	13.836	0.004	2450779	4.73	
89 Butyl benzyl phthalate	149	14.778	14.778	0.000	1196026	5.04	
92 Bis(2-ethylhexyl) phthalate	149	15.793	15.793	0.000	1660373	4.84	
91 3,3'-Dichlorobenzidine	252	15.826	15.827	-0.001	1099807	4.42	
93 Benzo[a]anthracene	228	15.918	15.913	0.005	1650442	4.84	
94 Chrysene	228	15.975	15.971	0.004	1546096	4.65	
95 Di-n-octyl phthalate	149	16.860	16.861	0.000	2506161	4.71	
97 Benzo[b]fluoranthene	252	17.803	17.798	0.005	1309300	5.04	
98 Benzo[k]fluoranthene	252	17.856	17.851	0.005	1176232	4.88	
99 Benzo[a]pyrene	252	18.505	18.500	0.005	959924	4.47	
100 Indeno[1,2,3-cd]pyrene	276	21.419	21.419	0.000	617353	4.75	
101 Dibenz(a,h)anthracene	278	21.448	21.438	0.010	503138	4.25	
102 Benzo[g,h,i]perylene	276	22.275	22.275	0.000	506023	4.33	

Report Date: 18-Sep-2009 13:01:49 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-2.b\B10372.D

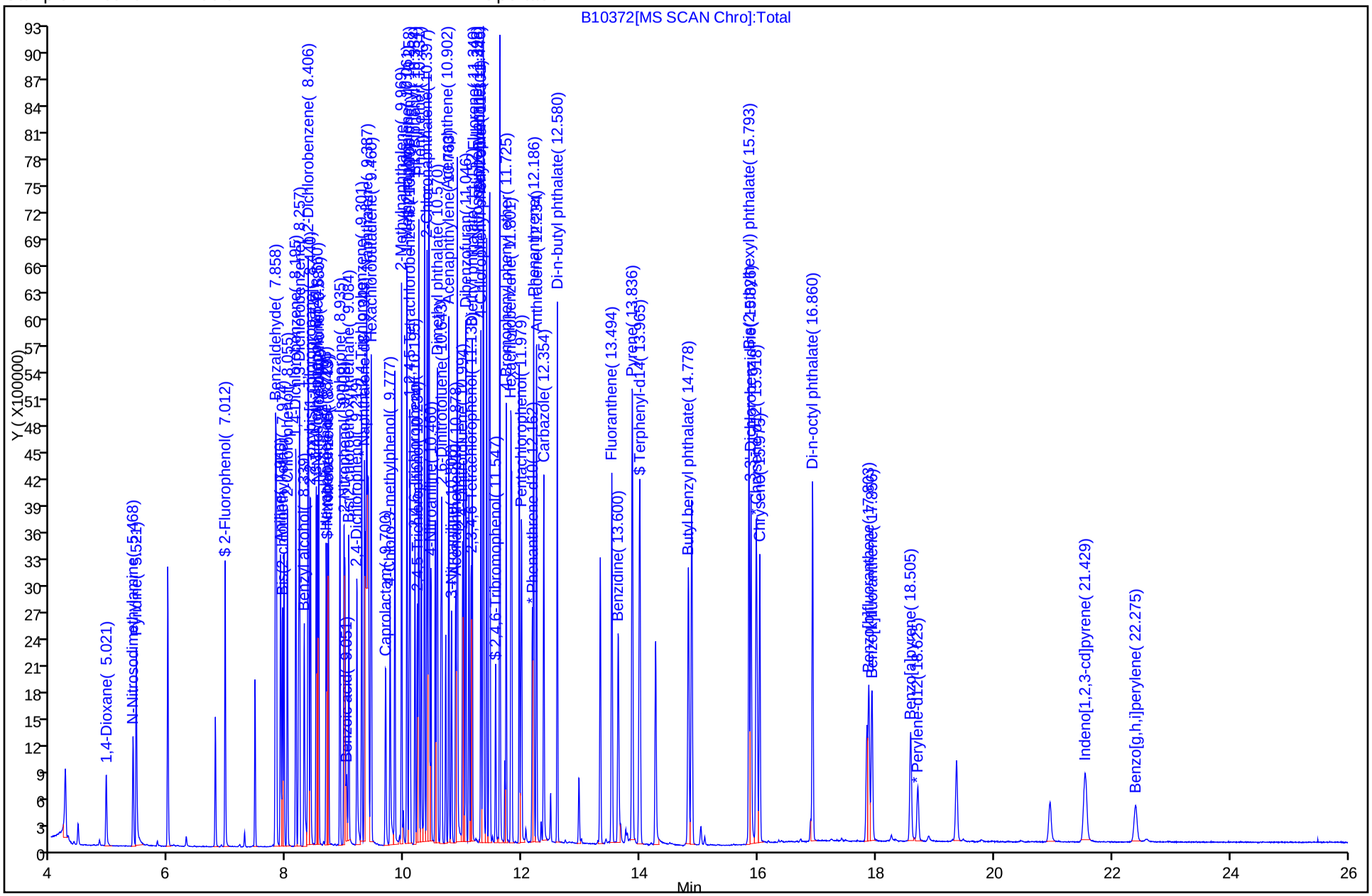
Inj Date: 17-Sep-2009 19:14:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49098 Lims Sample ID: 2

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.: 360-24327-2

SDG No.: OCRI-07A

Lab Sample ID: CCV 360-49095/2 Calibration Date: 09/17/2009 12:17

Instrument ID: Inst. J Calib Start Date: 09/15/2009 17:27

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/15/2009 21:23

Lab File ID: J02994.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Qua		0.2293		4860	5000	-2.8	30.0
N-Nitrosodimethylamine	Ave	0.3299	0.3103		4700	5000	-6.0	30.0
Pyridine	Lin1		0.5429		4370	5000	-12.5	30.0
Aniline	Ave	0.9185	0.8594		4680	5000	-6.4	30.0
Phenol	Ave	0.9427	0.7803		4140	5000	-17.2	20.0
Bis(2-chloroethyl)ether	Ave	0.6893	0.5902		4280	5000	-14.4	30.0
2-Chlorophenol	Ave	0.6685	0.6169		4610	5000	-7.7	30.0
1,4-Dichlorobenzene	Ave	0.7818	0.6671		4270	5000	-14.7	20.0
1,3-Dichlorobenzene	Ave	0.8034	0.6850		4260	5000	-14.7	30.0
1,2-Dichlorobenzene	Ave	0.7472	0.6202		4150	5000	-17.0	30.0
Benzyl alcohol	Ave	0.5078	0.5263		5180	5000	3.7	30.0
2-Methylphenol	Ave	0.5900	0.5435		4610	5000	-7.9	30.0
2,2'-oxybis[1-chloropropane]	Ave	0.6869	0.6033		4390	5000	-12.2	30.0
Acetophenone	Ave	0.8911	0.8448		4740	5000	-5.2	30.0
Benzaldehyde	Ave	0.8911	0.8448		4740	5000	-5.2	30.0
N-Nitrosodi-n-propylamine	Ave	0.4473	0.4433	0.0500	4960	5000	-0.9	30.0
3 & 4 Methylphenol	Ave	0.6159	0.5701		4630	5000	-7.4	30.0
Hexachloroethane	Ave	0.2836	0.2637		4650	5000	-7.0	30.0
Nitrobenzene	Ave	0.3156	0.3190		5050	5000	1.1	30.0
Isophorone	Lin2		0.5545		4970	5000	-0.6	30.0
2-Nitrophenol	Lin1		0.1469		4780	5000	-4.3	20.0
2,4-Dimethylphenol	Ave	0.2439	0.2581		5290	5000	5.8	30.0
Benzoic acid	Qua		0.0279		4940	5000	-1.1	30.0
Bis(2-chloroethoxy)methane	Ave	0.3351	0.3223		4810	5000	-3.8	30.0
2,4-Dichlorophenol	Lin2		0.2142		4840	5000	-3.1	20.0
1,2,4-Trichlorobenzene	Ave	0.2684	0.2443		4550	5000	-9.0	30.0
Naphthalene	Ave	0.9169	0.8435		4600	5000	-8.0	30.0
Alpha-Terpineol	Ave	0.1845	0.1928		5220	5000	4.5	30.0
4-Chloroaniline	Ave	0.3218	0.3404		5290	5000	5.8	30.0
Hexachlorobutadiene	Ave	0.1426	0.1341		4700	5000	-5.9	20.0
Caprolactam	Lin1		0.0922		4750	5000	-5.1	30.0
4-Chloro-3-methylphenol	Lin2		0.2560		5130	5000	2.6	20.0
2-Methylnaphthalene	Ave	0.5685	0.5341		4700	5000	-6.0	30.0
1-Methylnaphthalene	Ave	0.5770	0.5374		4660	5000	-6.9	30.0
Hexachlorocyclopentadiene	Lin		0.1289	0.0500	5190	5000	3.8	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2318	0.2109		4550	5000	-9.0	30.0
2,4,6-Trichlorophenol	Lin2		0.2815		5100	5000	2.0	20.0
2,4,5-Trichlorophenol	Lin1		0.2839		4660	5000	-6.8	30.0
1,1'-Biphenyl	Ave	1.405	1.287		4580	5000	-8.4	30.0
2-Chloronaphthalene	Ave	1.339	1.287		4800	5000	-3.9	30.0
Phenyl ether	Ave	0.3833	0.3477		4540	5000	-9.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab Sample ID: CCV 360-49095/2 Calibration Date: 09/17/2009 12:17

Instrument ID: Inst. J Calib Start Date: 09/15/2009 17:27

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/15/2009 21:23

Lab File ID: J02994.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Lin1		0.3389		4710	5000	-5.9	30.0
Dimethyl phthalate	Ave	1.206	1.183		4900	5000	-1.9	30.0
2,4-Dinitrotoluene	Lin2		0.2743		5010	5000	0.3	30.0
Acenaphthylene	Ave	1.582	1.577		4990	5000	-0.3	30.0
Acenaphthene	Ave	1.097	1.024		4670	5000	-6.7	20.0
2,4-Dinitrophenol	Lin		0.0536	0.0500	5510	5000	10.2	30.0
4-Nitrophenol	Qua		0.1412	0.0500	5920	5000	18.5	30.0
Dibenzofuran	Ave	1.497	1.355		4530	5000	-9.5	30.0
2,6-Dinitrotoluene	Lin1		0.3320		4790	5000	-4.1	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2027		4580	5000	-8.4	30.0
Diethyl phthalate	Ave	1.234	1.208		4890	5000	-2.1	30.0
Fluorene	Ave	1.171	1.121		4780	5000	-4.3	30.0
4-Chlorophenyl phenyl ether	Ave	0.5655	0.5135		4540	5000	-9.2	30.0
3-Nitroaniline	Lin1		0.2164		4300	5000	-14.1	30.0
4,6-Dinitro-2-methylphenol	Qua		0.0676		5360	5000	7.1	30.0
Diphenylamine	Ave	0.5876	0.5972		5080	5000	1.6	30.0
N-Nitrosodiphenylamine	Ave	0.5876	0.5972		5080	5000	1.6	20.0
1,2-Diphenylhydrazine	Ave	1.165	1.246		5350	5000	7.0	30.0
Azobenzene	Ave	1.165	1.246		5350	5000	7.0	30.0
Benzophenone	Ave	0.7185	0.7541		5250	5000	5.0	30.0
2-Nitroaniline	Ave	0.0460	0.0407		4420	5000	-11.6	30.0
4-Bromophenyl phenyl ether	Ave	0.1786	0.1789		5010	5000	0.1	30.0
Hexachlorobenzene	Ave	0.1906	0.1879		4930	5000	-1.4	30.0
Atrazine	Lin2		0.1846		5100	5000	2.0	30.0
Pentachlorophenol	Qua		0.0642		5260	5000	5.1	20.0
Pentachloronitrobenzene	Lin1		0.0846		5120	5000	2.3	30.0
Phenanthrene	Ave	1.017	0.9315		4580	5000	-8.4	30.0
Anthracene	Ave	0.8971	0.9047		5040	5000	0.8	30.0
Carbazole	Ave	0.7715	0.7683		4980	5000	-0.4	30.0
Di-n-butyl phthalate	Ave	1.086	1.223		5630	5000	12.6	30.0
Pyrene	Ave	1.155	1.116		4830	5000	-3.4	30.0
Benzidine	Lin		0.5718		5330	5000	6.7	30.0
Fluoranthene	Ave	0.8987	0.8771		4880	5000	-2.4	20.0
Butyl benzyl phthalate	Lin1		0.6375		5330	5000	6.5	30.0
3,3'-Dichlorobenzidine	Lin1		0.6205		4940	5000	-1.1	30.0
Benzo[a]anthracene	Ave	0.8540	0.8703		5100	5000	1.9	30.0
Chrysene	Ave	0.9253	0.8487		4590	5000	-8.3	30.0
Bis(2-ethylhexyl) phthalate	Lin1		0.8858		5050	5000	1.0	30.0
Di-n-octyl phthalate	Qua		1.758		5660	5000	13.2	20.0
Benzo[b]fluoranthene	Ave	1.142	1.120		4900	5000	-1.9	30.0
Benzo[k]fluoranthene	Ave	1.097	1.018		4640	5000	-7.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab Sample ID: CCV 360-49095/2 Calibration Date: 09/17/2009 12:17

Instrument ID: Inst. J Calib Start Date: 09/15/2009 17:27

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/15/2009 21:23

Lab File ID: J02994.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Lin1		0.8497		4920	5000	-1.5	20.0
Indeno[1,2,3-cd]pyrene	Lin1		0.6915		5220	5000	4.3	30.0
Dibenz(a,h)anthracene	Lin1		0.5451		5180	5000	3.7	30.0
Benzo[g,h,i]perylene	Ave	0.5986	0.5951		4970	5000	-0.6	30.0
2-Fluorophenol	Ave	0.6265	0.5729		4570	5000	-8.5	30.0
Phenol-d5	Ave	0.7745	0.7115		4590	5000	-8.1	30.0
Nitrobenzene-d5	Ave	0.3070	0.3155		5140	5000	2.8	30.0
2-Fluorobiphenyl	Ave	1.270	1.171		4610	5000	-7.8	30.0
2,4,6-Tribromophenol	Lin1		0.0785		4900	5000	-2.1	30.0
Terphenyl-d14	Ave	0.7644	0.7067		4620	5000	-7.6	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090917-1.b\J02994.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	17-Sep-2009 12:17:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCV		
Misc. Info.:	360-0001206-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49095	Lims Sample ID:	2
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090917-1.b\8270NDMA.m		
Last Update:	18-Sep-2009 10:31:24	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	17-Sep-2009 13:06:27
Reviewed By:	sullivanp	Date:	18-Sep-2009 10:31:24

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.600	6.600	0.000	119294	2.00	
* 2 Naphthalene-d8	136	7.922	7.922	0.000	251410	2.00	
* 3 Acenaphthene-d10	164	9.658	9.658	0.000	125622	2.00	
* 4 Phenanthrene-d10	188	11.106	11.106	0.000	196429	2.00	
* 5 Chrysene-d12	240	13.688	13.688	0.000	148369	2.00	
* 6 Perylene-d12	264	15.063	15.063	0.000	103622	2.00	
$ 7 2-Fluorophenol	112	4.950	4.950	0.000	170861	4.57	
$ 8 Phenol-d5	99	6.263	6.263	0.000	212203	4.59	
$ 9 Nitrobenzene-d5	82	7.201	7.201	0.000	198289	5.14	
$ 10 2-Fluorobiphenyl	172	9.009	9.009	0.000	367766	4.61	
$ 11 2,4,6-Tribromophenol	330	10.428	10.428	0.000	38571	4.90	
$ 12 Terphenyl-d14	244	12.683	12.683	0.000	262140	4.62	
14 1,4-Dioxane	88	1.656	1.656	0.000	68397	4.86	
16 Pyridine	79	2.046	2.046	0.000	161906	4.37	
15 N-Nitrosodimethylamine	74	2.046	2.046	0.000	92530	4.70	
19 Aniline	93	6.244	6.244	0.000	256296	4.68	
18 Phenol	94	6.278	6.278	0.000	232721	4.14	
20 Bis(2-chloroethyl)ether	93	6.350	6.350	0.000	176002	4.28	
21 2-Chlorophenol	128	6.364	6.364	0.000	183981	4.61	
22 1,4-Dichlorobenzene	146	6.532	6.532	0.000	198942	4.27	
23 1,3-Dichlorobenzene	146	6.619	6.619	0.000	204297	4.26	
25 1,2-Dichlorobenzene	146	6.778	6.778	0.000	184950	4.15	
24 Benzyl alcohol	79	6.782	6.782	0.000	156971	5.18	
26 2-Methylphenol	108	6.927	6.927	0.000	162086	4.61	
27 2,2'-oxybis[1-chloropropane]	45	6.936	6.936	0.000	179934	4.39	
30 Acetophenone	105	7.052	7.052	0.000	251945	4.74	
17 Benzaldehyde	105	7.052	7.052	0.000	251945	4.74	
29 N-Nitrosodi-n-propylamine	70	7.071	7.071	0.000	132213	4.96	
28 3 & 4 Methylphenol	108	7.090	7.090	0.000	170013	4.63	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	7.129	7.129	0.000	78640	4.65	
32 Nitrobenzene	77	7.220	7.220	0.000	200483	5.05	
33 Isophorone	82	7.475	7.475	0.000	348513	4.97	
34 2-Nitrophenol	139	7.547	7.547	0.000	92308	4.78	
35 2,4-Dimethylphenol	107	7.624	7.624	0.000	162195	5.29	
36 Benzoic acid	105	7.715	7.715	0.000	17515	4.94	M
37 Bis(2-chloroethoxy)methane	93	7.715	7.715	0.000	202574	4.81	
38 2,4-Dichlorophenol	162	7.797	7.797	0.000	134647	4.84	
39 1,2,4-Trichlorobenzene	180	7.874	7.874	0.000	153569	4.55	
41 Naphthalene	128	7.941	7.941	0.000	530170	4.60	
40 Alpha-Terpineol	59	7.975	7.975	0.000	121178	5.22	
42 4-Chloroaniline	127	8.018	8.018	0.000	213966	5.29	
43 Hexachlorobutadiene	225	8.086	8.086	0.000	84297	4.70	
44 Caprolactam	55	8.341	8.341	0.000	57945	4.75	
45 4-Chloro-3-methylphenol	107	8.518	8.518	0.000	160901	5.13	
46 2-Methylnaphthalene	142	8.639	8.639	0.000	335720	4.70	
47 1-Methylnaphthalene	142	8.730	8.730	0.000	337757	4.66	
48 Hexachlorocyclopentadiene	237	8.797	8.797	0.000	40466	5.19	
49 1,2,4,5-Tetrachlorobenzene	216	8.807	8.807	0.000	132562	4.55	
50 2,4,6-Trichlorophenol	196	8.927	8.927	0.000	88401	5.10	
51 2,4,5-Trichlorophenol	196	8.961	8.961	0.000	89150	4.66	
52 1,1'-Biphenyl	154	9.105	9.105	0.000	404126	4.58	
53 2-Chloronaphthalene	162	9.115	9.115	0.000	404085	4.80	
54 Phenyl ether	170	9.211	9.211	0.000	218545	4.54	
68 4-Nitroaniline	138	9.225	9.225	0.000	106441	4.71	
56 Dimethyl phthalate	163	9.423	9.423	0.000	371419	4.90	
63 2,4-Dinitrotoluene	165	9.475	9.475	0.000	86137	5.01	
58 Acenaphthylene	152	9.514	9.514	0.000	495366	4.99	
61 Acenaphthene	153	9.687	9.687	0.000	321498	4.67	
60 2,4-Dinitrophenol	184	9.740	9.740	0.000	16830	5.51	
62 4-Nitrophenol	109	9.817	9.817	0.000	44336	5.92	
64 Dibenzofuran	168	9.860	9.860	0.000	425589	4.53	
57 2,6-Dinitrotoluene	165	9.870	9.870	0.000	104272	4.79	
65 2,3,4,6-Tetrachlorophenol	232	9.990	9.990	0.000	63654	4.58	
66 Diethyl phthalate	149	10.115	10.115	0.000	379279	4.89	
69 Fluorene	166	10.192	10.192	0.000	351932	4.78	
67 4-Chlorophenyl phenyl ether	204	10.206	10.206	0.000	161273	4.54	
59 3-Nitroaniline	138	10.226	10.226	0.000	67974	4.30	
70 4,6-Dinitro-2-methylphenol	198	10.264	10.264	0.000	33172	5.36	
72 N-Nitrosodiphenylamine	169	10.327	10.327	0.000	293256	5.08	
71 Diphenylamine	169	10.327	10.327	0.000	293256	5.08	
73 1,2-Diphenylhydrazine	77	10.360	10.360	0.000	611988	5.35	
74 Azobenzene	77	10.360	10.360	0.000	611988	5.35	
13 Benzophenone	105	10.375	10.375	0.000	370293	5.25	
55 2-Nitroaniline	65	10.682	10.682	0.000	12774	4.42	
75 4-Bromophenyl phenyl ether	248	10.682	10.682	0.000	87835	5.01	
76 Hexachlorobenzene	284	10.731	10.731	0.000	92269	4.93	
77 Atrazine	200	10.865	10.865	0.000	90633	5.10	
78 Pentachlorophenol	266	10.932	10.932	0.000	31510	5.26	
79 Pentachloronitrobenzene	237	10.942	10.942	0.000	41526	5.12	
80 Phenanthrene	178	11.125	11.125	0.000	457440	4.58	
81 Anthracene	178	11.178	11.178	0.000	444273	5.04	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.346	11.346	0.000	377280	4.98	
84 Di-n-butyl phthalate	149	11.721	11.721	0.000	600399	5.63	
85 Pyrene	202	12.289	12.289	0.000	414099	4.83	
86 Benzidine	184	12.438	12.438	0.000	280808	5.33	
87 Fluoranthene	202	12.505	12.505	0.000	430721	4.88	
89 Butyl benzyl phthalate	149	13.183	13.183	0.000	236465	5.33	
91 3,3'-Dichlorobenzidine	252	13.673	13.673	0.000	230144	4.94	
93 Benzo[a]anthracene	228	13.678	13.678	0.000	322810	5.10	
94 Chrysene	228	13.717	13.717	0.000	314793	4.59	
92 Bis(2-ethylhexyl) phthalate	149	13.760	13.760	0.000	328550	5.05	
95 Di-n-octyl phthalate	149	14.390	14.390	0.000	455469	5.66	
97 Benzo[b]fluoranthene	252	14.712	14.712	0.000	290112	4.90	
98 Benzo[k]fluoranthene	252	14.736	14.736	0.000	263598	4.64	
99 Benzo[a]pyrene	252	15.010	15.010	0.000	220116	4.92	
100 Indeno[1,2,3-cd]pyrene	276	15.987	15.987	0.000	179124	5.22	
101 Dibenz(a,h)anthracene	278	16.006	16.006	0.000	141209	5.18	
102 Benzo[g,h,i]perylene	276	16.203	16.203	0.000	154158	4.97	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Sep-2009 10:31:25 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090917-1.b\J02994.D

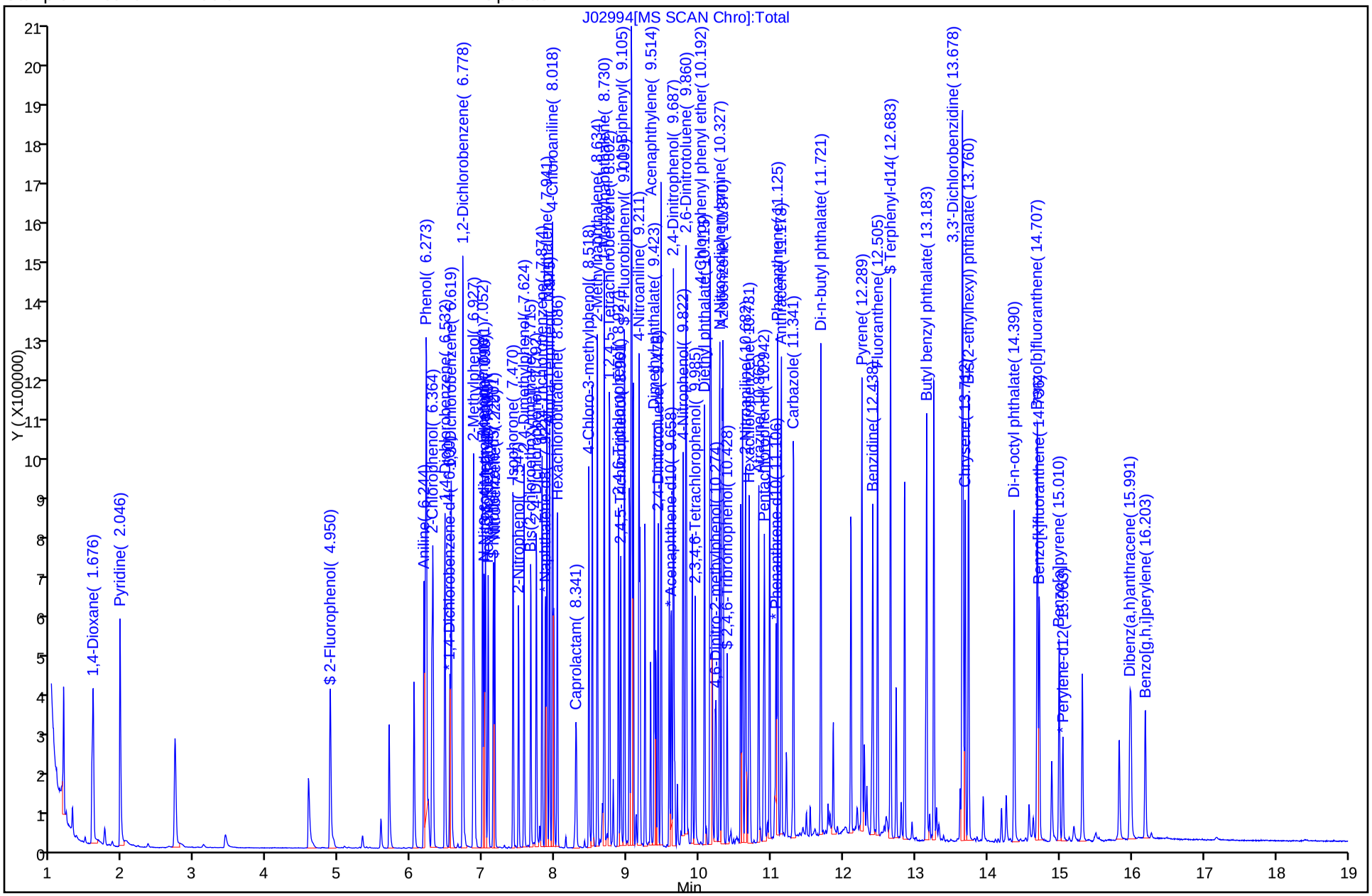
Inj Date: 17-Sep-2009 12:17:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49095 Lims Sample ID: 2

Client ID: Instrument: Inst. J

Sample Info: CCV

Sample Amount: 1.00 uL Operator:



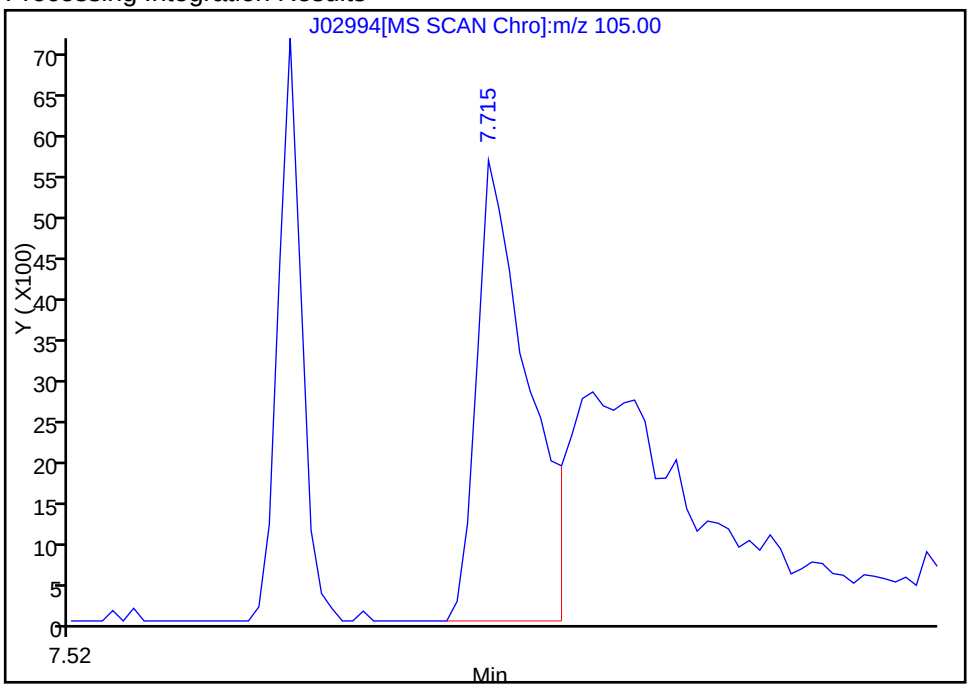
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090917-1.b\J02994.D		
Inj Date:	17-Sep-2009 12:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49095	Lims Sample ID:	2
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: 7.72

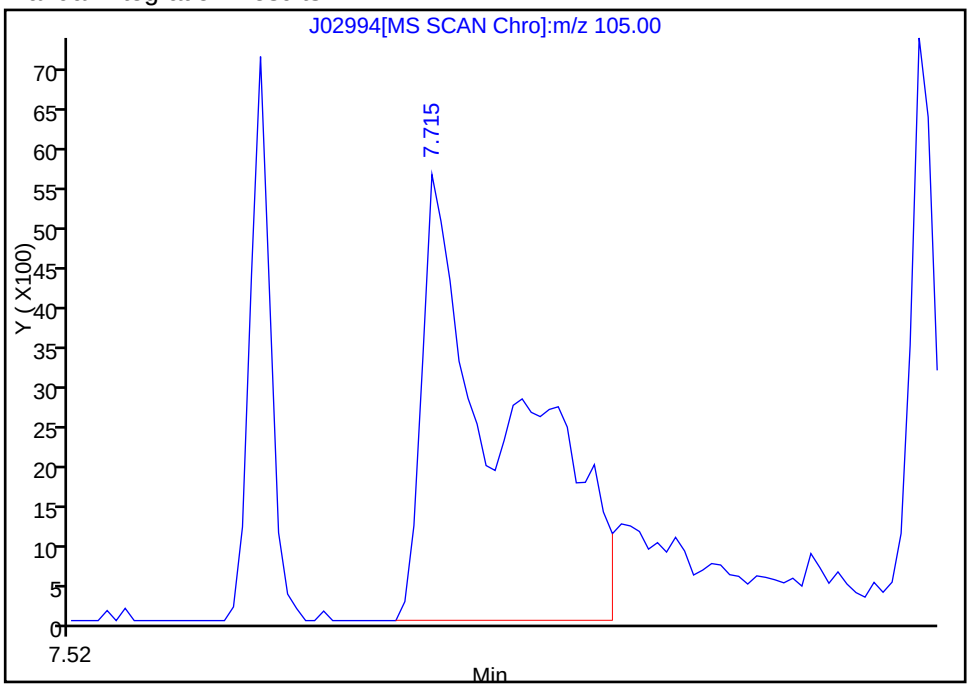
Processing Integration Results

RT: 7.72
Response: 9267
Amount: 3.845219



Manual Integration Results

RT: 7.72
Response: 17515
Amount: 4.943271



Reviewer: sullivanp, 17-Sep-2009 13:06:27
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab Sample ID: CCV 360-49174/2 Calibration Date: 09/18/2009 14:26

Instrument ID: Inst. J Calib Start Date: 09/15/2009 17:27

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/15/2009 21:23

Lab File ID: J03007.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Qua		0.2220		4710	5000	-5.9	30.0
Pyridine	Lin1		0.5240		4230	5000	-15.5	30.0
N-Nitrosodimethylamine	Ave	0.3299	0.2847		4310	5000	-13.7	30.0
Aniline	Ave	0.9185	0.8124		4420	5000	-11.6	30.0
Phenol	Ave	0.9427	0.7740		4100	5000	-17.9	20.0
Bis(2-chloroethyl)ether	Ave	0.6893	0.5757		4180	5000	-16.5	30.0
2-Chlorophenol	Ave	0.6685	0.5931		4440	5000	-11.3	30.0
1,4-Dichlorobenzene	Ave	0.7818	0.6573		4200	5000	-15.9	20.0
1,3-Dichlorobenzene	Ave	0.8034	0.6770		4210	5000	-15.7	30.0
1,2-Dichlorobenzene	Ave	0.7472	0.6110		4090	5000	-18.2	30.0
Benzyl alcohol	Ave	0.5078	0.5161		5080	5000	1.6	30.0
2-Methylphenol	Ave	0.5900	0.5320		4510	5000	-9.8	30.0
2,2'-oxybis[1-chloropropane]	Ave	0.6869	0.5865		4270	5000	-14.6	30.0
Acetophenone	Ave	0.8911	0.8083		4540	5000	-9.3	30.0
Benzaldehyde	Ave	0.8911	0.8083		4540	5000	-9.3	30.0
N-Nitrosodi-n-propylamine	Ave	0.4473	0.4136	0.0500	4620	5000	-7.5	30.0
3 & 4 Methylphenol	Ave	0.6159	0.5708		4630	5000	-7.3	30.0
Hexachloroethane	Ave	0.2836	0.2500		4410	5000	-11.8	30.0
Nitrobenzene	Ave	0.3156	0.3141		4980	5000	-0.5	30.0
Isophorone	Lin2		0.5273		4730	5000	-5.4	30.0
2-Nitrophenol	Lin1		0.1268		4140	5000	-17.2	20.0
2,4-Dimethylphenol	Ave	0.2439	0.2608		5350	5000	6.9	30.0
Benzoic acid	Qua		0.0166		4020	5000	-19.5	30.0
Bis(2-chloroethoxy)methane	Ave	0.3351	0.3153		4710	5000	-5.9	30.0
2,4-Dichlorophenol	Lin2		0.2104		4760	5000	-4.8	20.0
1,2,4-Trichlorobenzene	Ave	0.2684	0.2423		4510	5000	-9.7	30.0
Naphthalene	Ave	0.9169	0.8377		4570	5000	-8.6	30.0
Alpha-Terpineol	Ave	0.1845	0.1850		5010	5000	0.3	30.0
4-Chloroaniline	Ave	0.3218	0.3355		5210	5000	4.3	30.0
Hexachlorobutadiene	Ave	0.1426	0.1316		4620	5000	-7.7	20.0
Caprolactam	Lin1		0.0881		4540	5000	-9.2	30.0
4-Chloro-3-methylphenol	Lin2		0.2510		5030	5000	0.6	20.0
2-Methylnaphthalene	Ave	0.5685	0.5319		4680	5000	-6.4	30.0
1-Methylnaphthalene	Ave	0.5770	0.5304		4600	5000	-8.1	30.0
Hexachlorocyclopentadiene	Lin		0.1272	0.0500	5130	5000	2.6	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2318	0.2105		4540	5000	-9.2	30.0
2,4,6-Trichlorophenol	Lin2		0.2764		5010	5000	0.2	20.0
2,4,5-Trichlorophenol	Lin1		0.2879		4720	5000	-5.5	30.0
1,1'-Biphenyl	Ave	1.405	1.268		4510	5000	-9.8	30.0
2-Chloronaphthalene	Ave	1.339	1.247		4660	5000	-6.8	30.0
Phenyl ether	Ave	0.3833	0.3440		4490	5000	-10.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab Sample ID: CCV 360-49174/2 Calibration Date: 09/18/2009 14:26

Instrument ID: Inst. J Calib Start Date: 09/15/2009 17:27

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/15/2009 21:23

Lab File ID: J03007.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Lin1		0.3313		4600	5000	-8.0	30.0
Dimethyl phthalate	Ave	1.206	1.167		4840	5000	-3.2	30.0
2,4-Dinitrotoluene	Lin2		0.2604		4760	5000	-4.7	30.0
Acenaphthylene	Ave	1.582	1.562		4940	5000	-1.3	30.0
Acenaphthene	Ave	1.097	1.011		4610	5000	-7.9	20.0
2,4-Dinitrophenol	Lin		0.0372*	0.0500	4760	5000	-4.7	30.0
4-Nitrophenol	Qua		0.1593	0.0500	6520	5000	30.5*	30.0
Dibenzofuran	Ave	1.497	1.406		4700	5000	-6.1	30.0
2,6-Dinitrotoluene	Lin1		0.3326		4800	5000	-4.0	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2046		4620	5000	-7.6	30.0
Diethyl phthalate	Ave	1.234	1.190		4820	5000	-3.6	30.0
Fluorene	Ave	1.171	1.131		4830	5000	-3.5	30.0
4-Chlorophenyl phenyl ether	Ave	0.5655	0.5224		4620	5000	-7.6	30.0
3-Nitroaniline	Lin1		0.2345		4640	5000	-7.1	30.0
4,6-Dinitro-2-methylphenol	Qua		0.0399		3680	5000	-26.5	30.0
Diphenylamine	Ave	0.5876	0.5688		4840	5000	-3.2	30.0
N-Nitrosodiphenylamine	Ave	0.5876	0.5688		4840	5000	-3.2	20.0
1,2-Diphenylhydrazine	Ave	1.165	1.197		5140	5000	2.8	30.0
Azobenzene	Ave	1.165	1.197		5140	5000	2.8	30.0
Benzophenone	Ave	0.7185	0.7110		4950	5000	-1.0	30.0
2-Nitroaniline	Ave	0.0460	0.0449		4880	5000	-2.4	30.0
4-Bromophenyl phenyl ether	Ave	0.1786	0.1704		4770	5000	-4.6	30.0
Hexachlorobenzene	Ave	0.1906	0.1782		4670	5000	-6.5	30.0
Atrazine	Lin2		0.1658		4580	5000	-8.3	30.0
Pentachlorophenol	Qua		0.0557		4740	5000	-5.2	20.0
Pentachloronitrobenzene	Lin1		0.0797		4830	5000	-3.4	30.0
Phenanthrene	Ave	1.017	0.9009		4430	5000	-11.4	30.0
Anthracene	Ave	0.8971	0.8730		4870	5000	-2.7	30.0
Carbazole	Ave	0.7715	0.7619		4940	5000	-1.2	30.0
Di-n-butyl phthalate	Ave	1.086	1.095		5040	5000	0.8	30.0
Fluoranthene	Ave	0.8987	0.8197		4560	5000	-8.8	20.0
Benzidine	Lin		0.5453		5120	5000	2.5	30.0
Pyrene	Ave	1.155	1.103		4770	5000	-4.5	30.0
Butyl benzyl phthalate	Lin1		0.5625		4710	5000	-5.8	30.0
3,3'-Dichlorobenzidine	Lin1		0.6186		4930	5000	-1.4	30.0
Benzo[a]anthracene	Ave	0.8540	0.8074		4730	5000	-5.5	30.0
Chrysene	Ave	0.9253	0.7711		4170	5000	-16.7	30.0
Bis(2-ethylhexyl) phthalate	Lin1		0.7674		4390	5000	-12.3	30.0
Di-n-octyl phthalate	Qua		1.506		4980	5000	-0.4	20.0
Benzo[b]fluoranthene	Ave	1.142	1.066		4670	5000	-6.6	30.0
Benzo[k]fluoranthene	Ave	1.097	1.012		4610	5000	-7.8	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab Sample ID: CCV 360-49174/2 Calibration Date: 09/18/2009 14:26

Instrument ID: Inst. J Calib Start Date: 09/15/2009 17:27

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/15/2009 21:23

Lab File ID: J03007.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Lin1		0.7970		4620	5000	-7.5	20.0
Indeno[1,2,3-cd]pyrene	Lin1		0.8174		6160	5000	23.1	30.0
Dibenz(a,h)anthracene	Lin1		0.6635		6300	5000	26.0	30.0
Benzo[g,h,i]perylene	Ave	0.5986	0.7082		5920	5000	18.3	30.0
2-Fluorophenol	Ave	0.6265	0.5326		4250	5000	-15.0	30.0
Phenol-d5	Ave	0.7745	0.6958		4490	5000	-10.2	30.0
Nitrobenzene-d5	Ave	0.3070	0.3033		4940	5000	-1.2	30.0
2-Fluorobiphenyl	Ave	1.270	1.152		4530	5000	-9.3	30.0
2,4,6-Tribromophenol	Lin1		0.0779		4860	5000	-2.8	30.0
Terphenyl-d14	Ave	0.7644	0.6918		4520	5000	-9.5	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03007.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	18-Sep-2009 14:26:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	ccv		
Misc. Info.:	360-0001221-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49174	Lims Sample ID:	2
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\8270NDMA.m		
Last Update:	18-Sep-2009 15:14:31	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	18-Sep-2009 15:14:31

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.419	6.419	0.000	88471	2.00	
* 2 Naphthalene-d8	136	7.746	7.746	0.000	187840	2.00	
* 3 Acenaphthene-d10	164	9.477	9.477	0.000	94481	2.00	
* 4 Phenanthrene-d10	188	10.920	10.920	0.000	157437	2.00	
* 5 Chrysene-d12	240	13.497	13.497	0.000	125886	2.00	
* 6 Perylene-d12	264	14.844	14.844	0.000	91207	2.00	s
$ 7 2-Fluorophenol	112	4.654	4.654	0.000	117807	4.25	
$ 8 Phenol-d5	99	6.082	6.082	0.000	153884	4.49	
$ 9 Nitrobenzene-d5	82	7.025	7.025	0.000	142415	4.94	
$ 10 2-Fluorobiphenyl	172	8.842	8.842	0.000	272041	4.53	
$ 11 2,4,6-Tribromophenol	330	10.251	10.251	0.000	30670	4.86	
$ 12 Terphenyl-d14	244	12.502	12.502	0.000	217710	4.52	
14 1,4-Dioxane	88	1.466	1.466	0.000	49103	4.71	
15 N-Nitrosodimethylamine	74	1.812	1.812	0.000	62965	4.31	
16 Pyridine	79	1.807	1.807	0.000	115898	4.23	
19 Aniline	93	6.048	6.048	0.000	179677	4.42	
18 Phenol	94	6.096	6.096	0.000	171185	4.10	
20 Bis(2-chloroethyl)ether	93	6.169	6.169	0.000	127324	4.18	
21 2-Chlorophenol	128	6.173	6.173	0.000	131179	4.44	
22 1,4-Dichlorobenzene	146	6.346	6.346	0.000	145384	4.20	
23 1,3-Dichlorobenzene	146	6.438	6.438	0.000	149726	4.21	
25 1,2-Dichlorobenzene	146	6.597	6.597	0.000	135145	4.09	
24 Benzyl alcohol	79	6.606	6.606	0.000	114145	5.08	
26 2-Methylphenol	108	6.755	6.755	0.000	117663	4.51	
27 2,2'-oxybis[1-chloropropane]	45	6.770	6.770	0.000	129729	4.27	
30 Acetophenone	105	6.875	6.875	0.000	178775	4.54	
17 Benzaldehyde	105	6.875	6.875	0.000	178775	4.54	
29 N-Nitrosodi-n-propylamine	70	6.904	6.904	0.000	91475	4.62	
28 3 & 4 Methylphenol	108	6.928	6.928	0.000	126255	4.63	
31 Hexachloroethane	117	6.948	6.948	0.000	55288	4.41	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.044	7.044	0.000	147507	4.98	
33 Isophorone	82	7.303	7.303	0.000	247624	4.73	
34 2-Nitrophenol	139	7.376	7.376	0.000	59531	4.14	
35 2,4-Dimethylphenol	107	7.462	7.462	0.000	122479	5.35	
37 Bis(2-chloroethoxy)methane	93	7.553	7.553	0.000	148062	4.71	
36 Benzoic acid	105	7.549	7.549	0.000	7799	4.02	
38 2,4-Dichlorophenol	162	7.626	7.626	0.000	98808	4.76	
39 1,2,4-Trichlorobenzene	180	7.703	7.703	0.000	113767	4.51	
41 Naphthalene	128	7.765	7.765	0.000	393393	4.57	
40 Alpha-Terpineol	59	7.808	7.808	0.000	86884	5.01	
42 4-Chloroaniline	127	7.847	7.847	0.000	157559	5.21	
43 Hexachlorobutadiene	225	7.914	7.914	0.000	61814	4.62	
44 Caprolactam	55	8.169	8.169	0.000	41384	4.54	
45 4-Chloro-3-methylphenol	107	8.357	8.357	0.000	117856	5.03	
46 2-Methylnaphthalene	142	8.462	8.462	0.000	249781	4.68	
47 1-Methylnaphthalene	142	8.559	8.559	0.000	249051	4.60	
48 Hexachlorocyclopentadiene	237	8.626	8.626	0.000	30037	5.13	
49 1,2,4,5-Tetrachlorobenzene	216	8.635	8.635	0.000	98843	4.54	
50 2,4,6-Trichlorophenol	196	8.756	8.756	0.000	65290	5.01	
51 2,4,5-Trichlorophenol	196	8.789	8.789	0.000	67991	4.72	
52 1,1'-Biphenyl	154	8.934	8.934	0.000	299515	4.51	
53 2-Chloronaphthalene	162	8.938	8.938	0.000	294639	4.66	
54 Phenyl ether	170	9.039	9.039	0.000	161524	4.49	
68 4-Nitroaniline	138	9.054	9.054	0.000	78255	4.60	
56 Dimethyl phthalate	163	9.256	9.256	0.000	275651	4.84	
63 2,4-Dinitrotoluene	165	9.304	9.304	0.000	61514	4.76	
58 Acenaphthylene	152	9.338	9.338	0.000	368901	4.94	
61 Acenaphthene	153	9.511	9.511	0.000	238700	4.61	
60 2,4-Dinitrophenol	184	9.568	9.568	0.000	8781	4.76	
62 4-Nitrophenol	109	9.650	9.650	0.000	37616	6.52	
64 Dibenzofuran	168	9.679	9.679	0.000	331983	4.70	
57 2,6-Dinitrotoluene	165	9.698	9.698	0.000	78557	4.80	
65 2,3,4,6-Tetrachlorophenol	232	9.814	9.814	0.000	48322	4.62	
66 Diethyl phthalate	149	9.948	9.948	0.000	280991	4.82	
69 Fluorene	166	10.016	10.016	0.000	267075	4.83	
67 4-Chlorophenyl phenyl ether	204	10.035	10.035	0.000	123385	4.62	
59 3-Nitroaniline	138	10.049	10.049	0.000	55397	4.64	
70 4,6-Dinitro-2-methylphenol	198	10.093	10.093	0.000	15699	3.68	
72 N-Nitrosodiphenylamine	169	10.150	10.150	0.000	223854	4.84	
71 Diphenylamine	169	10.150	10.150	0.000	223854	4.84	
74 Azobenzene	77	10.184	10.184	0.000	471050	5.14	
73 1,2-Diphenylhydrazine	77	10.184	10.184	0.000	471050	5.14	
13 Benzophenone	105	10.198	10.198	0.000	279839	4.95	
75 4-Bromophenyl phenyl ether	248	10.506	10.506	0.000	67077	4.77	
55 2-Nitroaniline	65	10.501	10.501	0.000	10609	4.88	
76 Hexachlorobenzene	284	10.549	10.549	0.000	70138	4.67	
77 Atrazine	200	10.694	10.694	0.000	65244	4.58	
78 Pentachlorophenol	266	10.751	10.751	0.000	21917	4.74	
79 Pentachloronitrobenzene	237	10.766	10.766	0.000	31381	4.83	
80 Phenanthrene	178	10.944	10.944	0.000	354573	4.43	
81 Anthracene	178	10.992	10.992	0.000	343587	4.87	
83 Carbazole	167	11.165	11.165	0.000	299859	4.94	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.550	11.550	0.000	431017	5.04	
85 Pyrene	202	12.314	12.314	0.000	347078	4.77	
86 Benzidine	184	12.257	12.257	0.000	214630	5.12	
87 Fluoranthene	202	12.098	12.098	0.000	322625	4.56	
89 Butyl benzyl phthalate	149	13.007	13.007	0.000	177015	4.71	
91 3,3'-Dichlorobenzidine	252	13.488	13.488	0.000	194667	4.93	
93 Benzo[a]anthracene	228	13.488	13.488	0.000	254084	4.73	
94 Chrysene	228	13.521	13.521	0.000	242685	4.17	
92 Bis(2-ethylhexyl) phthalate	149	13.589	13.589	0.000	241500	4.39	
95 Di-n-octyl phthalate	149	14.204	14.204	0.000	343358	4.98	
97 Benzo[b]fluoranthene	252	14.497	14.497	0.000	243113	4.67	
98 Benzo[k]fluoranthene	252	14.526	14.526	0.000	230779	4.61	
99 Benzo[a]pyrene	252	14.791	14.791	0.000	181726	4.62	
100 Indeno[1,2,3-cd]pyrene	276	15.757	15.757	0.000	186385	6.16	
101 Dibenz(a,h)anthracene	278	15.777	15.777	0.000	151298	6.30	
102 Benzo[g,h,i]perylene	276	15.969	15.969	0.000	161486	5.92	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Report Date: 18-Sep-2009 15:14:33 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03007.D

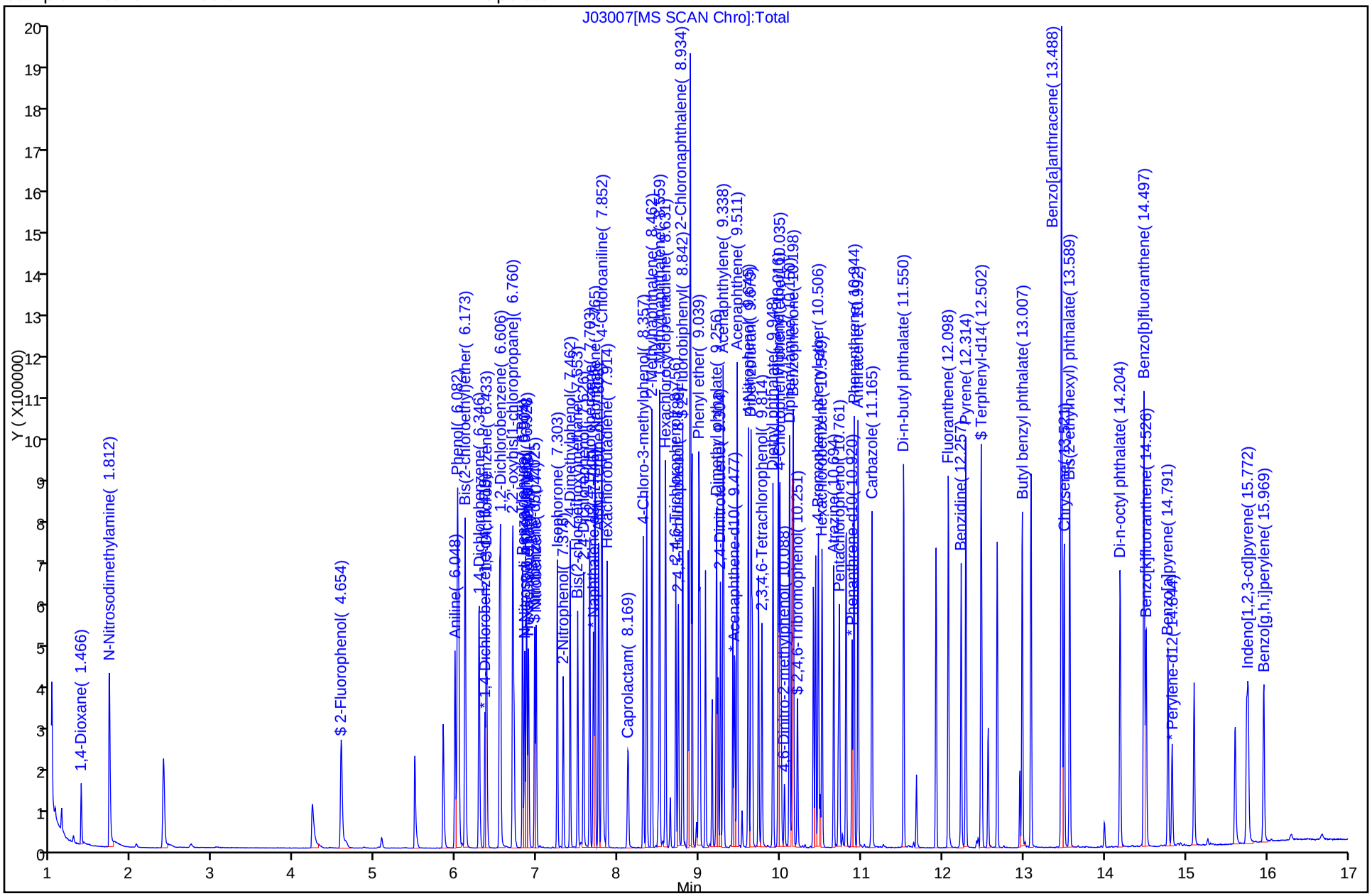
Inj Date: 18-Sep-2009 14:26:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49174 Lims Sample ID: 2

Client ID: Instrument: Inst. J

Sample Info: ccv

Sample Amount: 1.00 uL Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10360.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	17-Sep-2009 12:27:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	360-0001207-001		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	1
Lims Batch ID:	49097	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\8270B.m		
Last Update:	18-Sep-2009 12:56:50	Calib Date:	17-Sep-2009 17:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	18-Sep-2009 12:56:50

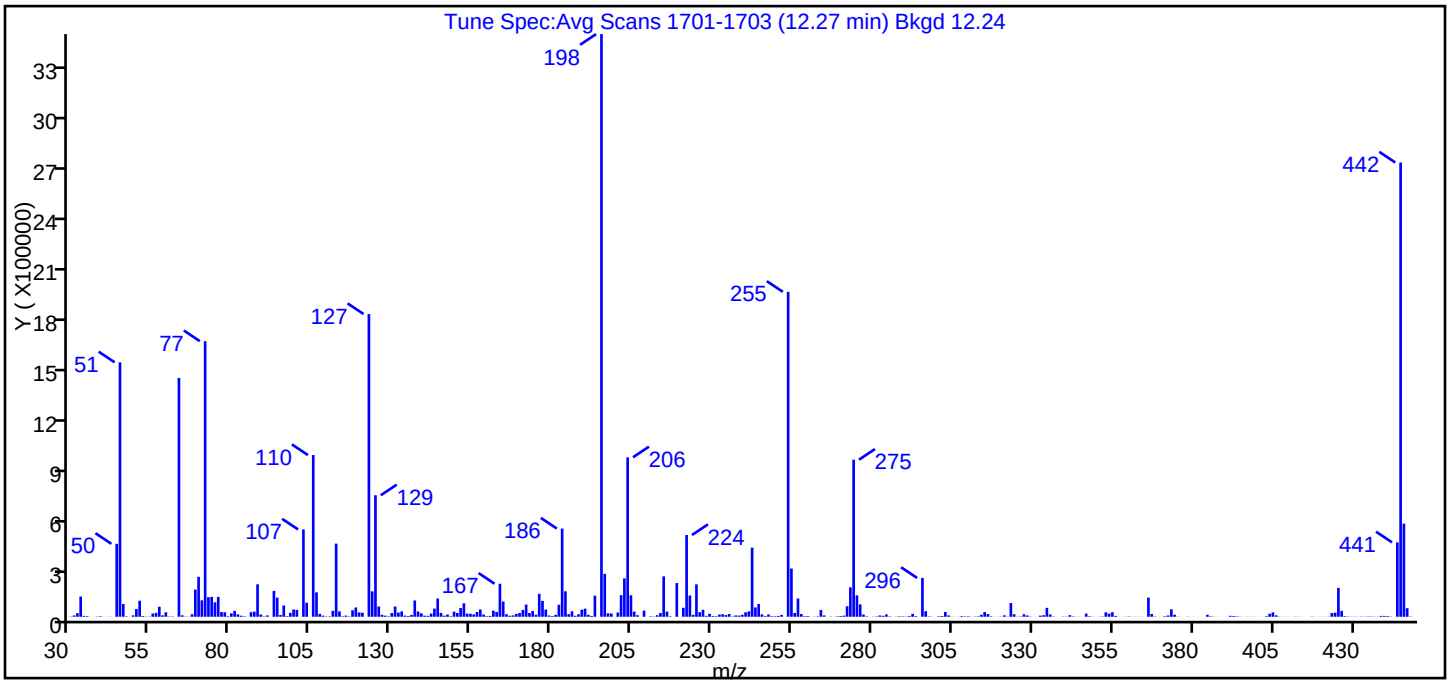
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.976	11.976	0.000	3229777		
82 DFTPP	198	12.274	12.274	0.000	3950573		
86 Benzidine	184	13.616	13.616	0.000	11315452		
88 4,4'-DDD	235	14.443	14.443	0.000	374646		
90 4,4'-DDT	235	15.068	15.068	0.000	7991033		

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10360.D		
Inj Date:	17-Sep-2009 12:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49097	Lims Sample ID:	1
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	2.00 uL	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	43.67
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	40.98
70	Less than 2.00% of mass 69	0.25 (0.61)
127	40.00 - 60.00% of mass 198	51.96
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.37
275	10.00 - 30.00% of mass 198	26.96
365	Greater than 1.00% of mass 198	3.30
441	Present, but less than mass 443%	12.77 (79.87)
442	Greater than 40.00% of mass 198	77.97
443	17.00 - 23.00% of mass 442	15.99 (20.51)

Report Date: 18-Sep-2009 12:56:51 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-1.b\B10360.D\8270B.rslt\spectra.d
Injection Date: 17-Sep-2009 12:27:30
Spectrum: Tune Spec:Avg Scans 1701-1703 (12.27 min) Bkgd 12.24
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	119744	108.00	83520	180.00	94176	246.00	75664
50.00	432256	110.00	958336	181.00	42624	255.00	1925632
51.00	1507840	111.00	144960	185.00	71104	256.00	285824
52.00	75408	116.00	35320	186.00	522688	258.00	108328
56.00	46152	117.00	433408	187.00	150976	265.00	40304
57.00	95104	122.00	38400	192.00	41784	273.00	62440
63.00	59696	123.00	55120	193.00	48080	274.00	174464
69.00	1415168	127.00	1794048	196.00	125448	275.00	930816
74.00	161024	128.00	150784	198.00	3452928	276.00	126520
75.00	236800	129.00	720000	199.00	254528	277.00	73400
76.00	97736	130.00	61096	204.00	128096	296.00	230144
77.00	1633280	135.00	60928	205.00	227328	323.00	81376
78.00	116304	141.00	96512	206.00	944960	334.00	52864
79.00	118024	147.00	48520	207.00	127512	365.00	113888
80.00	85808	148.00	108224	211.00	36712	372.00	44488
81.00	117912	155.00	51896	217.00	239296	423.00	171136
86.00	35184	156.00	80008	221.00	199744	424.00	35032
93.00	192320	161.00	43200	223.00	53376	441.00	441024
98.00	153408	165.00	36144	224.00	484416	442.00	2692096
99.00	113584	167.00	195648	225.00	126240	443.00	552192
101.00	66712	168.00	90352	227.00	191936	444.00	50768
104.00	43456	174.00	40728	229.00	41400		
105.00	40984	175.00	72352	244.00	409664		
107.00	517440	179.00	135808	245.00	55496		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10371.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	17-Sep-2009 18:40:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	360-0001208-001		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49098	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\8270B.m		
Last Update:	18-Sep-2009 13:02:28	Calib Date:	17-Sep-2009 17:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	18-Sep-2009 13:02:28

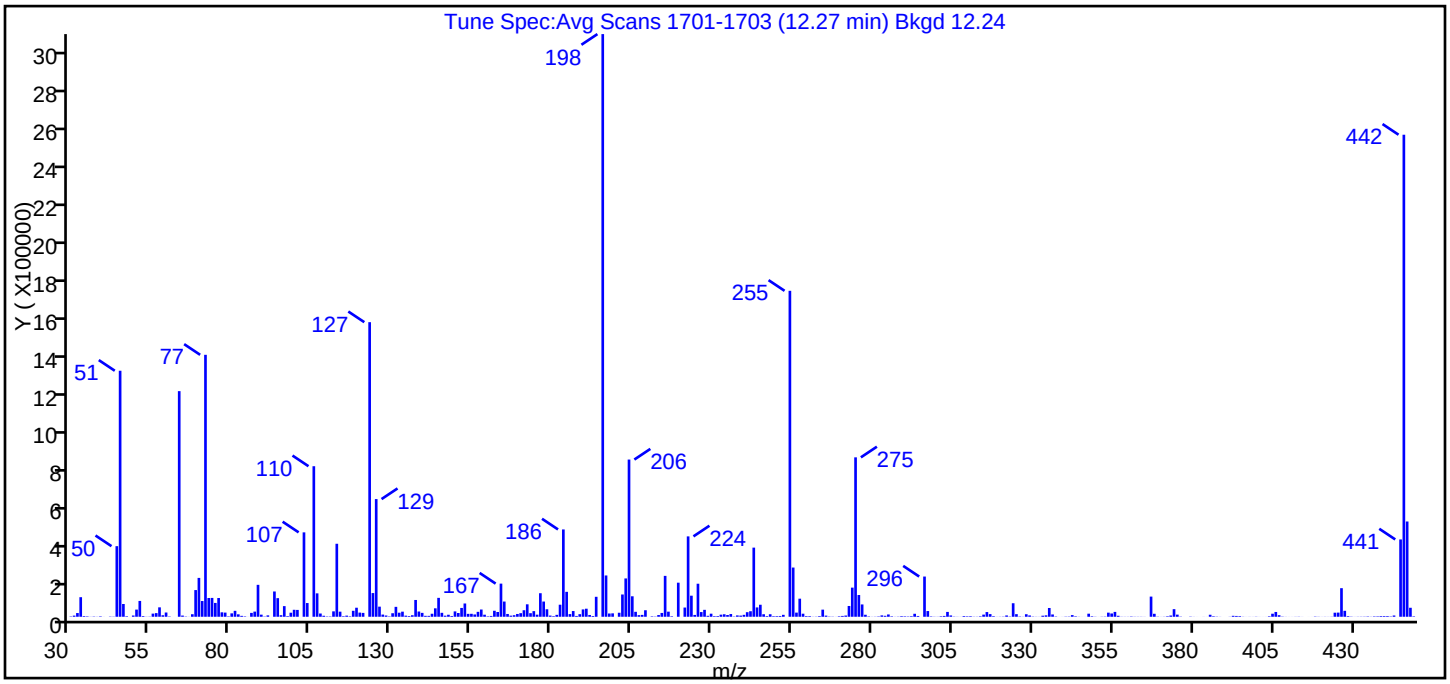
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.976	11.976	0.000	2876595		
82 DFTPP	198	12.274	12.274	0.000	3597072		
86 Benzidine	184	13.611	13.611	0.000	10627164		
88 4,4'-DDD	235	14.438	14.443	-0.005	572149		
90 4,4'-DDT	235	15.063	15.068	-0.005	6805588		

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10371.D		
Inj Date:	17-Sep-2009 18:40:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49098	Lims Sample ID:	1
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 uL	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	42.22
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.72
70	Less than 2.00% of mass 69	0.21 (0.53)
127	40.00 - 60.00% of mass 198	50.56
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.09
275	10.00 - 30.00% of mass 198	27.36
365	Greater than 1.00% of mass 198	3.46
441	Present, but less than mass 443%	13.27 (81.16)
442	Greater than 40.00% of mass 198	82.73
443	17.00 - 23.00% of mass 442	16.35 (19.76)

Report Date: 18-Sep-2009 13:02:29 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-2.b\B10371.D\8270B.rslt\spectra.d
Injection Date: 17-Sep-2009 18:40:30
Spectrum: Tune Spec:Avg Scans 1701-1703 (12.27 min) Bkgd 12.24
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	103216	107.00	444928	179.00	124144	244.00	364480
50.00	372160	108.00	72392	180.00	80264	245.00	49256
51.00	1296896	110.00	793600	181.00	39560	246.00	63408
52.00	67280	111.00	123440	185.00	63552	255.00	1718272
56.00	37792	117.00	384832	186.00	460352	256.00	259456
57.00	83432	122.00	31512	187.00	131456	258.00	95328
63.00	49704	123.00	47672	192.00	38744	265.00	37552
69.00	1189376	127.00	1552896	193.00	42440	273.00	56832
74.00	140736	128.00	124928	196.00	105264	274.00	153600
75.00	204864	129.00	620352	198.00	3071488	275.00	840384
76.00	82984	130.00	53320	199.00	217728	276.00	114656
77.00	1380864	135.00	52296	204.00	117472	277.00	64992
78.00	98864	141.00	88528	205.00	202048	296.00	212032
79.00	99376	147.00	44536	206.00	828736	323.00	71288
80.00	72992	148.00	99640	207.00	107976	334.00	46280
81.00	98824	155.00	46520	211.00	34376	365.00	106344
86.00	31304	156.00	70000	217.00	215552	372.00	40120
93.00	168320	161.00	38192	221.00	179648	423.00	150720
98.00	133312	165.00	31664	223.00	48592	424.00	31384
99.00	98136	167.00	174720	224.00	423744	441.00	407616
101.00	56104	168.00	80224	225.00	111072	442.00	2541056
104.00	36792	174.00	34424	227.00	174208	443.00	502208
105.00	36112	175.00	65688	229.00	36552	444.00	47416

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02947.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	15-Sep-2009 16:58:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	360-0001180-001		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	48992	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\8270NDMA.m		
Last Update:	16-Sep-2009 12:21:43	Calib Date:	01-Jan-0001 00:00:00
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	15-Sep-2009 18:09:00
Reviewed By:	sullivanp	Date:	16-Sep-2009 12:21:43

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.179	11.179	0.000	323089		
88 4,4'-DDD	235	13.213	13.213	0.000	102409		
90 4,4'-DDT	235	13.511	13.511	0.000	1030638		
82 DFTPP	198	11.669	11.669	0.000	546715		
86 Benzidine	184	12.694	12.694	0.000	1539518		

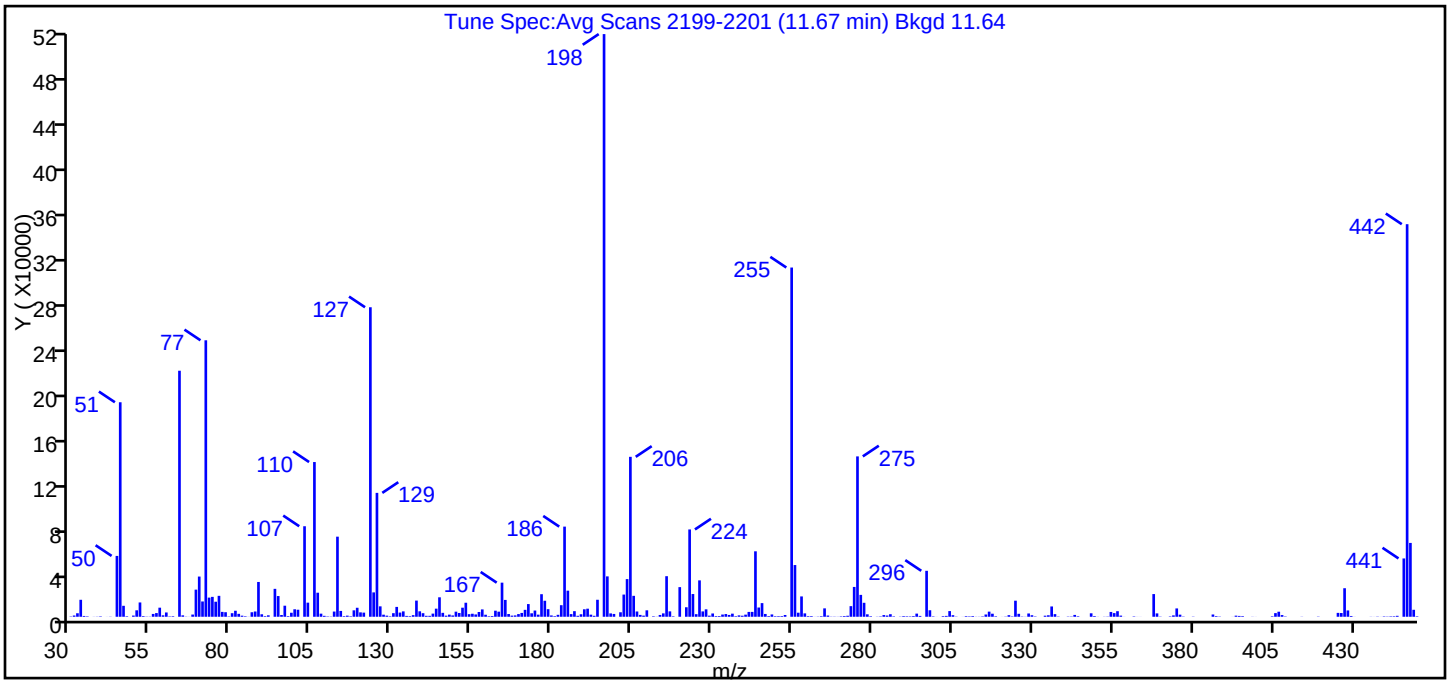
Report Date: 16-Sep-2009 12:21:44

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02947.D		
Inj Date:	15-Sep-2009 16:58:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48992	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	36.82
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	42.23
70	Less than 2.00% of mass 69	0.24 (0.58)
127	40.00 - 60.00% of mass 198	53.12
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.93
275	10.00 - 30.00% of mass 198	27.52
365	Greater than 1.00% of mass 198	3.89
441	Present, but less than mass 443%	10.01 (78.97)
442	Greater than 40.00% of mass 198	67.38
443	17.00 - 23.00% of mass 442	12.67 (18.81)

Report Date: 16-Sep-2009 12:21:44 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02947.D\8270NDMA.rslt\spectra.d
Injection Date: 15-Sep-2009 16:58:30
Spectrum: Tune Spec:Avg Scans 2199-2201 (11.67 min) Bkgd 11.64
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 95

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	14995	108.00	12459	179.00	19936	245.00	8169
50.00	53736	110.00	136640	180.00	14135	246.00	12056
51.00	189440	111.00	21240	181.00	6704	255.00	308416
52.00	9683	117.00	70736	185.00	10223	256.00	45672
56.00	5708	118.00	5161	186.00	79616	258.00	17968
57.00	12642	122.00	5685	187.00	23056	265.00	7422
63.00	8022	123.00	7948	192.00	6612	273.00	9386
69.00	217280	127.00	273344	193.00	7137	274.00	26344
74.00	23960	128.00	21528	196.00	15017	275.00	141632
75.00	35512	129.00	109416	198.00	514560	276.00	19328
76.00	13513	130.00	9201	199.00	35664	277.00	12342
77.00	244160	135.00	8708	204.00	19608	296.00	40584
78.00	16920	141.00	14282	205.00	33264	297.00	5748
79.00	17568	147.00	7162	206.00	141248	323.00	14194
80.00	13283	148.00	17200	207.00	18480	334.00	9104
81.00	18480	155.00	8014	211.00	5693	365.00	20040
86.00	5307	156.00	12389	217.00	35840	372.00	7364
93.00	30736	161.00	6498	221.00	26176	423.00	25208
98.00	24664	165.00	5356	223.00	8401	424.00	5597
99.00	18296	167.00	30128	224.00	77120	441.00	51504
101.00	9768	168.00	14878	225.00	20072	442.00	346688
104.00	6604	174.00	6118	227.00	32144	443.00	65216
105.00	6214	175.00	11209	229.00	6568	444.00	6166
107.00	79944	177.00	5492	244.00	57808		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090917-1.b\J02993.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	17-Sep-2009 11:47:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	360-0001206-001		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49095	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090917-1.b\8270NDMA.m		
Last Update:	17-Sep-2009 13:08:22	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	17-Sep-2009 13:08:22

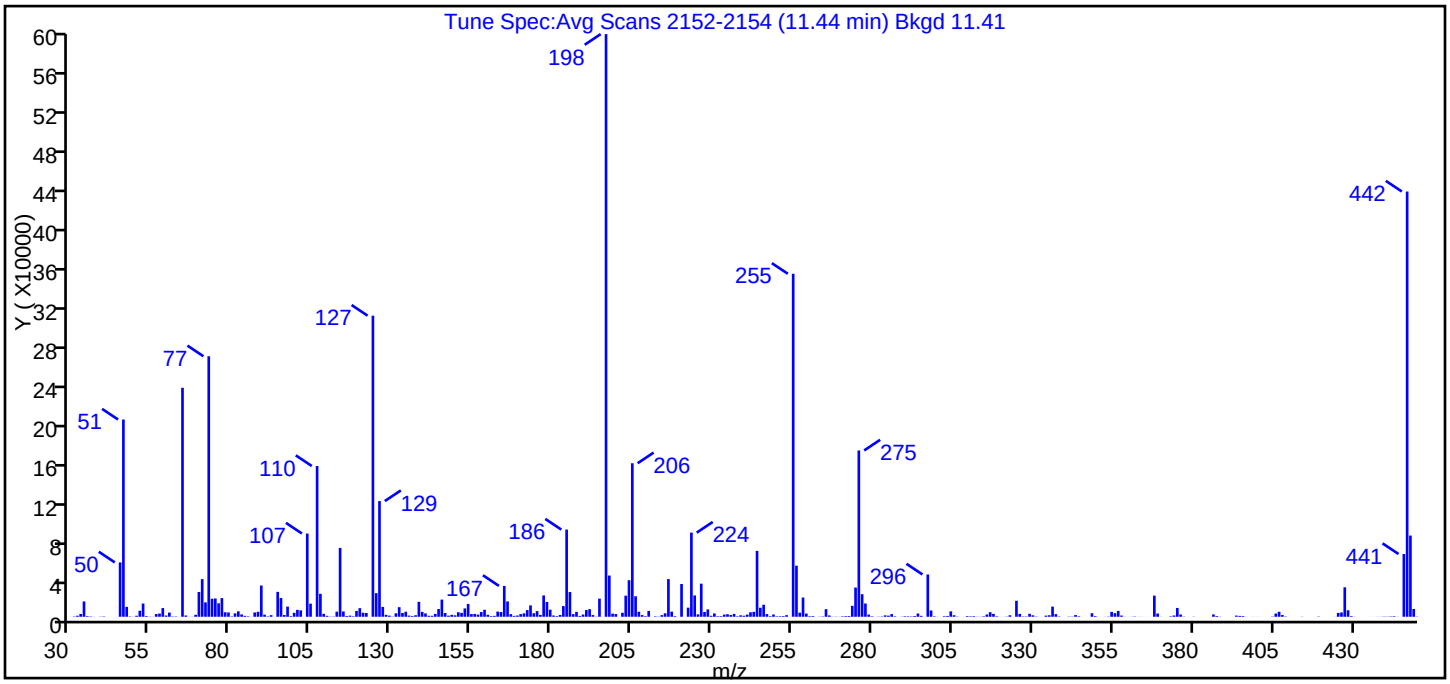
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.932	10.932	0.000	397284		
82 DFTPP	198	11.442	11.442	0.000	653069		
86 Benzidine	184	12.447	12.447	0.000	1689611		
88 4,4'-DDD	235	12.966	12.966	0.000	61223		
90 4,4'-DDT	235	13.260	13.260	0.000	1352887		

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090917-1.b\J02993.D		
Inj Date:	17-Sep-2009 11:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49095	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	33.85
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.30
70	Less than 2.00% of mass 69	0.22 (0.57)
127	40.00 - 60.00% of mass 198	51.67
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.08
275	10.00 - 30.00% of mass 198	28.54
365	Greater than 1.00% of mass 198	3.63
441	Present, but less than mass 443%	10.77 (77.24)
442	Greater than 40.00% of mass 198	72.98
443	17.00 - 23.00% of mass 442	13.94 (19.10)

Report Date: 17-Sep-2009 13:08:23 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090917-1.b\J02993.D\8270NDMA.rslt\spectra.d
Injection Date: 17-Sep-2009 11:47:30
Spectrum: Tune Spec:Avg Scans 2152-2154 (11.44 min) Bkgd 11.41
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	15639	108.00	13365	181.00	7257	246.00	12250
50.00	55480	110.00	153856	185.00	10930	255.00	350016
51.00	201280	111.00	23432	186.00	88960	256.00	52128
52.00	10114	117.00	70272	187.00	25216	258.00	19640
56.00	6142	122.00	5951	192.00	6870	265.00	7768
57.00	13507	123.00	8771	193.00	7764	273.00	11133
63.00	8889	127.00	307264	196.00	18496	274.00	29824
69.00	233664	128.00	24104	198.00	594624	275.00	169728
74.00	25264	129.00	118072	199.00	42080	276.00	23032
75.00	38400	130.00	10033	204.00	21536	277.00	13512
76.00	14697	135.00	9789	205.00	37304	296.00	43168
77.00	265856	141.00	15262	206.00	156672	297.00	6375
78.00	18424	147.00	7885	207.00	20904	323.00	16322
79.00	18648	148.00	17520	211.00	5992	334.00	10356
80.00	13737	155.00	8512	217.00	38456	354.00	5958
81.00	19080	156.00	13093	221.00	33440	365.00	21560
93.00	31912	161.00	7134	223.00	9292	372.00	8991
98.00	25408	167.00	31488	224.00	85880	423.00	30056
99.00	19112	168.00	15640	225.00	21744	424.00	6653
101.00	10375	174.00	6824	227.00	33768	441.00	64024
104.00	7048	175.00	11612	229.00	7506	442.00	433984
105.00	6512	179.00	21776	244.00	67216	443.00	82888
107.00	84944	180.00	15119	245.00	9219	444.00	7918

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03006.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	18-Sep-2009 13:59:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	360-0001221-001		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49174	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\8270NDMA.m		
Last Update:	21-Sep-2009 07:31:59	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	21-Sep-2009 07:31:59

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.757	10.757	0.000	426795		
82 DFTPP	198	11.276	11.276	0.000	579343		
86 Benzidine	184	12.267	12.267	0.000	1909916		
88 4,4'-DDD	235	12.786	12.786	0.000	125472		
90 4,4'-DDT	235	13.074	13.074	0.000	1190918		

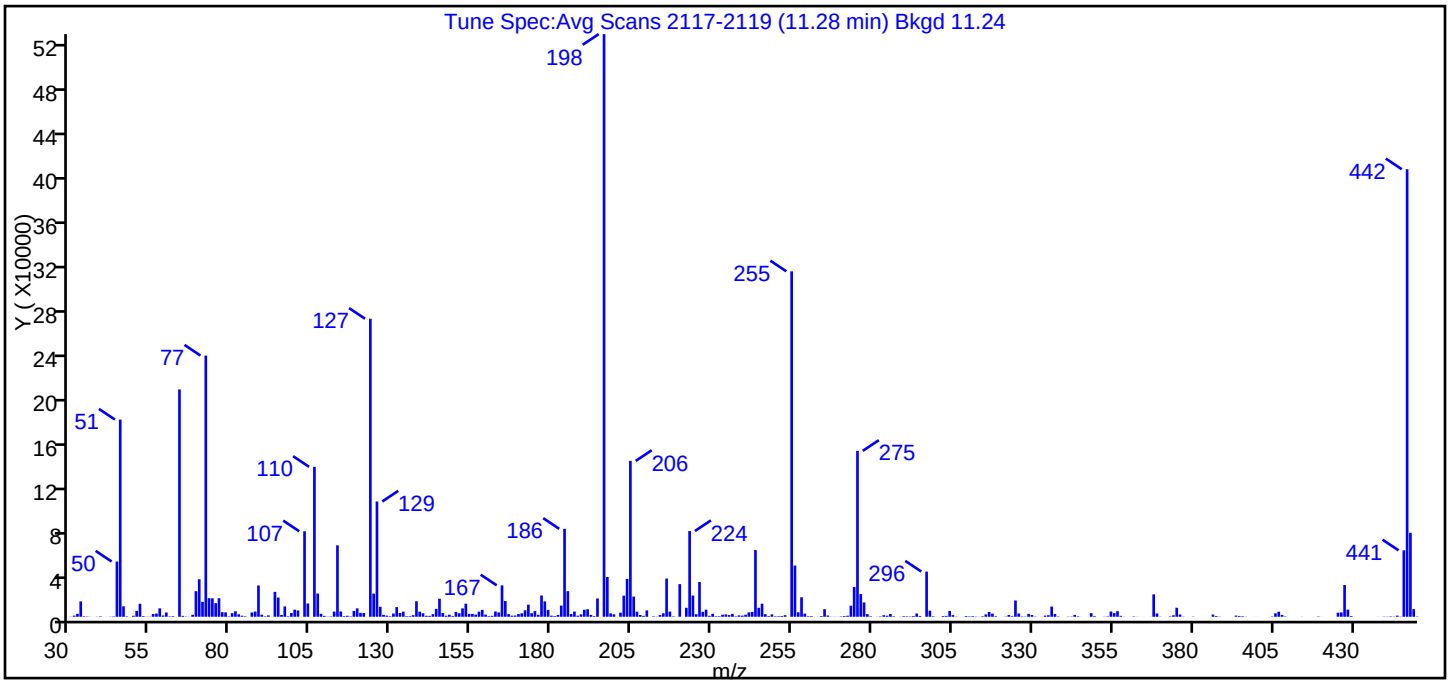
Report Date: 21-Sep-2009 07:32:00

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03006.D		
Inj Date:	18-Sep-2009 13:59:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	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	33.85
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.02
70	Less than 2.00% of mass 69	0.15 (0.39)
127	40.00 - 60.00% of mass 198	51.15
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.82
275	10.00 - 30.00% of mass 198	28.48
365	Greater than 1.00% of mass 198	3.85
441	Present, but less than mass 443%	11.40 (79.10)
442	Greater than 40.00% of mass 198	76.81
443	17.00 - 23.00% of mass 442	14.42 (18.77)

Report Date: 21-Sep-2009 07:32:00 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03006.D\8270NDMA.rslt\spectra.d
Injection Date: 18-Sep-2009 13:59:30
Spectrum: Tune Spec:Avg Scans 2117-2119 (11.28 min) Bkgd 11.24
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 91

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	13960	108.00	12037	181.00	6264	246.00	11867
50.00	50176	110.00	136192	185.00	10130	255.00	313792
51.00	179136	111.00	21104	186.00	79880	256.00	46552
52.00	9478	117.00	64904	187.00	23280	258.00	17688
56.00	5317	122.00	5332	192.00	6354	265.00	6901
57.00	11791	123.00	7632	193.00	6860	273.00	10064
63.00	7630	127.00	270720	196.00	16664	274.00	27056
69.00	206528	128.00	21048	198.00	529280	275.00	150720
74.00	23248	129.00	104712	199.00	36120	276.00	20600
75.00	34048	130.00	9046	204.00	19208	277.00	13011
76.00	13547	135.00	8772	205.00	34384	296.00	41072
77.00	237248	141.00	14086	206.00	141568	297.00	5526
78.00	16904	147.00	7187	207.00	18312	323.00	14798
79.00	16792	148.00	16378	211.00	5775	334.00	9264
80.00	12358	155.00	7637	217.00	34696	365.00	20376
81.00	16808	156.00	11867	221.00	29664	372.00	8207
93.00	28416	161.00	6317	223.00	8165	423.00	28824
98.00	22632	167.00	28544	224.00	77904	424.00	6505
99.00	17480	168.00	14320	225.00	19312	441.00	60352
101.00	9395	174.00	5901	227.00	31624	442.00	406528
104.00	6429	175.00	10944	229.00	6461	443.00	76296
105.00	5726	179.00	19328	244.00	60592	444.00	6970
107.00	77648	180.00	13940	245.00	8161		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: MB 360-48691/1-A

Matrix: Solid | Lab File ID: B10373.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.00(g) | Date Analyzed: 09/17/2009 19:48

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.: 49098 | 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	2.2
120-82-1	1,2,4-Trichlorobenzene	ND		33	6.5
95-50-1	1,2-Dichlorobenzene	ND		33	3.6
541-73-1	1,3-Dichlorobenzene	ND		33	9.7
106-46-7	1,4-Dichlorobenzene	ND		33	6.0
90-12-0	1-Methylnaphthalene	ND		33	2.0
108-60-1	2,2'-oxybis[1-chloropropane]	ND		33	3.4
58-90-2	2,3,4,6-Tetrachlorophenol	ND		33	2.0
95-95-4	2,4,5-Trichlorophenol	ND		33	3.8
88-06-2	2,4,6-Trichlorophenol	ND		33	7.0
120-83-2	2,4-Dichlorophenol	ND		33	6.4
105-67-9	2,4-Dimethylphenol	ND		33	5.8
51-28-5	2,4-Dinitrophenol	ND		33	4.9
121-14-2	2,4-Dinitrotoluene	ND		33	4.7
606-20-2	2,6-Dinitrotoluene	ND		33	4.2
91-58-7	2-Chloronaphthalene	ND		33	5.1
95-57-8	2-Chlorophenol	ND		33	3.3
91-57-6	2-Methylnaphthalene	ND		33	25
95-48-7	2-Methylphenol	ND		33	4.8
88-74-4	2-Nitroaniline	ND		170	21
88-75-5	2-Nitrophenol	ND		33	3.9
15831-10-4	3 & 4 Methylphenol	ND		33	6.3
91-94-1	3,3'-Dichlorobenzidine	ND		67	24
99-09-2	3-Nitroaniline	ND		170	9.5
534-52-1	4,6-Dinitro-2-methylphenol	ND		170	8.5
101-55-3	4-Bromophenyl phenyl ether	ND		33	6.9
59-50-7	4-Chloro-3-methylphenol	ND		67	9.2
106-47-8	4-Chloroaniline	ND		67	14
7005-72-3	4-Chlorophenyl phenyl ether	ND		33	5.3
100-01-6	4-Nitroaniline	ND		170	8.9
100-02-7	4-Nitrophenol	ND		170	6.5
83-32-9	Acenaphthene	ND		33	4.9
208-96-8	Acenaphthylene	ND		33	5.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: MB 360-48691/1-A

Matrix: Solid | Lab File ID: B10373.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.00(g) | Date Analyzed: 09/17/2009 19:48

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.: 49098 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		33	3.6
62-53-3	Aniline	ND		33	17
120-12-7	Anthracene	ND		33	11
1912-24-9	Atrazine	ND		33	10
103-33-3	Azobenzene	ND		33	4.1
100-52-7	Benzaldehyde	ND		33	10
56-55-3	Benzo[a]anthracene	ND		33	6.4
50-32-8	Benzo[a]pyrene	ND		33	6.1
205-99-2	Benzo[b]fluoranthene	ND		33	7.6
191-24-2	Benzo[g,h,i]perylene	ND		33	6.5
207-08-9	Benzo[k]fluoranthene	ND		33	9.2
65-85-0	Benzoic acid	71.7	J	170	14
119-61-9	Benzophenone	ND		33	2.0
100-51-6	Benzyl alcohol	ND		67	7.7
111-91-1	Bis(2-chloroethoxy)methane	ND		33	6.0
111-44-4	Bis(2-chloroethyl)ether	ND		33	8.1
117-81-7	Bis(2-ethylhexyl) phthalate	ND		33	11
85-68-7	Butyl benzyl phthalate	ND		33	7.3
105-60-2	Caprolactam	ND		33	10
86-74-8	Carbazole	ND		33	33
218-01-9	Chrysene	ND		33	7.2
53-70-3	Dibenz(a,h)anthracene	ND		33	6.7
132-64-9	Dibenzofuran	ND		33	19
84-66-2	Diethyl phthalate	ND		33	4.7
131-11-3	Dimethyl phthalate	ND		33	4.9
84-74-2	Di-n-butyl phthalate	77.0		33	10
117-84-0	Di-n-octyl phthalate	ND		33	9.4
101-84-8	Diphenyl oxide	ND		33	10
206-44-0	Fluoranthene	ND		33	21
86-73-7	Fluorene	ND		33	13
118-74-1	Hexachlorobenzene	ND		33	7.9
87-68-3	Hexachlorobutadiene	ND		33	6.6
77-47-4	Hexachlorocyclopentadiene	ND		67	9.1
67-72-1	Hexachloroethane	ND		33	6.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: MB 360-48691/1-A

Matrix: Solid | Lab File ID: B10373.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.00(g) | Date Analyzed: 09/17/2009 19:48

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.: 49098 | 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	7.1
91-20-3	Naphthalene	ND		80	74
98-95-3	Nitrobenzene	ND		33	4.5
62-75-9	N-Nitrosodimethylamine	ND		33	3.9
621-64-7	N-Nitrosodi-n-propylamine	ND		33	3.8
86-30-6	N-Nitrosodiphenylamine	ND		33	6.7
87-86-5	Pentachlorophenol	ND		33	6.9
85-01-8	Phenanthrene	ND		40	38
108-95-2	Phenol	ND		33	4.2
129-00-0	Pyrene	ND		33	8.8

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	72	30-130	
321-60-8	2-Fluorobiphenyl	73	30-130	
367-12-4	2-Fluorophenol	85	30-130	
4165-60-0	Nitrobenzene-d5	75	30-130	
4165-62-2	Phenol-d5	83	30-130	
1718-51-0	Terphenyl-d14	77	30-130	

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

Lab Name: TestAmerica Westfield
Job No.: 360-24327-2
SDG No.: OCRI-07A
Client Sample ID:
Lab Sample ID: MB 360-48691/1-A
Matrix: Solid
Lab File ID: B10373.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3546
Date Extracted: 09/08/2009 12:06
Sample wt/vol: 30.00(g)
Date Analyzed: 09/17/2009 19:48
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.: 49098
Units: ug/Kg
Number TICs Found: 2
TIC Result Total: 216.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	11.77	168	T J
593-45-3	Octadecane	11.90	48.4	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10373.D		
Lims ID:	MB 360-48691/1-A	Client ID:	
Inject. Date:	17-Sep-2009 19:48:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48691/1-a		
Misc. Info.:	360-0001208-003		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49098	Lims Sample ID:	3
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\8270B.m		
Last Update:	18-Sep-2009 13:16:10	Calib Date:	17-Sep-2009 17:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	18-Sep-2009 13:16:10

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.260	8.260	0.000	593699	2.00	
* 2 Naphthalene-d8	136	9.366	9.362	0.004	1443024	2.00	
* 3 Acenaphthene-d10	164	10.876	10.874	0.002	698816	2.00	
* 4 Phenanthrene-d10	188	12.159	12.162	-0.003	1191697	2.00	
* 5 Chrysene-d12	240	15.930	15.932	-0.002	850348	2.00	
* 6 Perylene-d12	264	18.622	18.625	-0.003	520899	2.00	
$ 7 2-Fluorophenol	112	7.077	7.007	0.070	1421149	8.50	
$ 8 Phenol-d5	99	7.880	7.854	0.026	1666235	8.33	
$ 9 Nitrobenzene-d5	82	8.736	8.729	0.007	749314	3.76	
$ 10 2-Fluorobiphenyl	172	10.255	10.258	-0.003	1647542	3.63	
$ 11 2,4,6-Tribromophenol	330	11.544	11.547	-0.003	312825	7.25	
$ 12 Terphenyl-d14	244	13.963	13.961	0.002	1294718	3.84	
30 Acetophenone	105	8.587	8.580	0.007	17372	0.0721	
36 Benzoic acid	105	9.029	9.037	-0.008	58492	2.15	
66 Diethyl phthalate	149	11.150	11.152	-0.002	15624	0.0354	
84 Di-n-butyl phthalate	149	12.578	12.581	-0.003	1682984	2.31	
89 Butyl benzyl phthalate	149	14.771	14.778	-0.007	11896	0.0460	
92 Bis(2-ethylhexyl) phthalate	149	15.790	15.793	-0.003	75000	0.2006	
91 3,3'-Dichlorobenzidine	252	15.814	15.827	-0.013	976	0.1188	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10373.D		
Lims ID:	MB 360-48691/1-A	Client ID:	
Inject. Date:	17-Sep-2009 19:48:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48691/1-a		
Misc. Info.:	360-0001208-003		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49098	Lims Sample ID:	3
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\8270B.m		
Last Update:	18-Sep-2009 13:16:10	Calib Date:	17-Sep-2009 17:32:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	18-Sep-2009 13:16:10

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
11.770	8048493	5.05	4			
593-45-3		Octadecane				
11.900	2310185	1.45	4	99	112329	

Quantitation Compounds

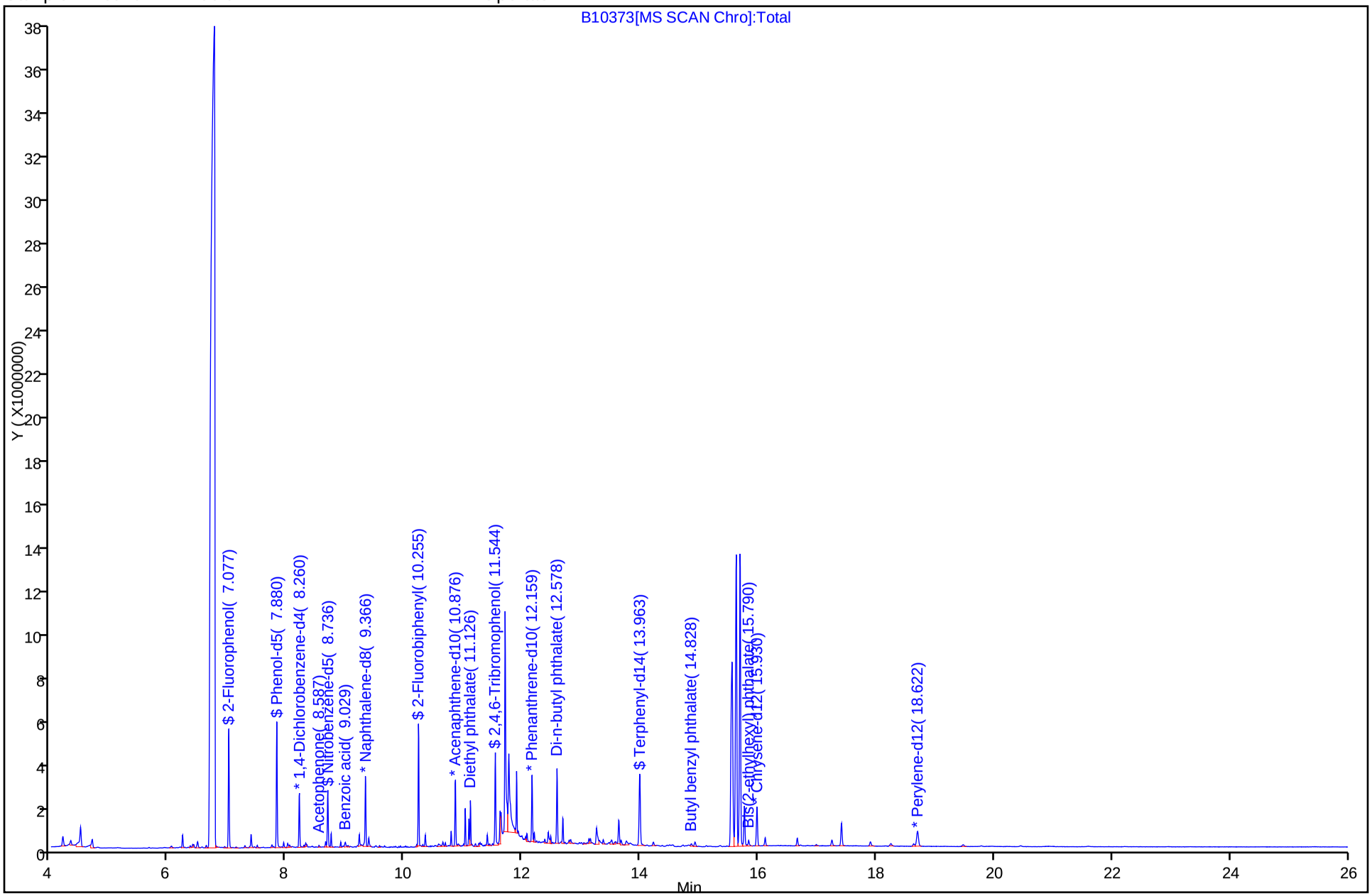
Compound	RT	Response	Amount ug/mL
* 4 Phenanthrene-d10	12.159	3185348	2.00

QC Flag Legend

Processing Flags

Report Date: 18-Sep-2009 13:16:11 Chrom Revision: 1.0.2009.910

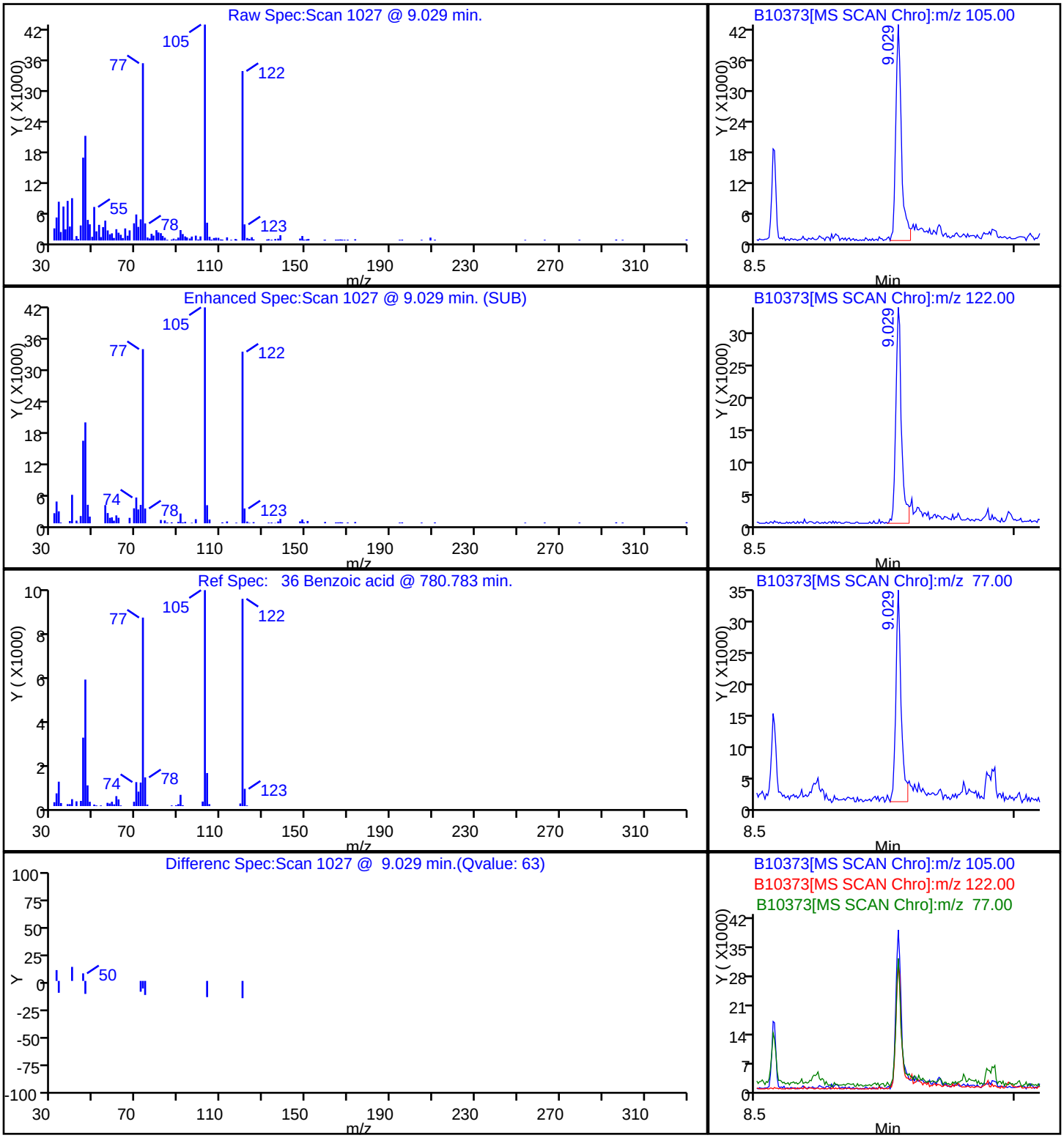
Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10373.D		
Inj Date:	17-Sep-2009 19:48:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49098	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-48691/1-a		
Sample Amount:	1.00 uL	Operator:	MZ



Report Date: 18-Sep-2009 13:16:12 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10373.D		
Inj Date:	17-Sep-2009 19:48:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49098	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-48691/1-a		
Sample Amount:	1.00 uL	Operator:	MZ

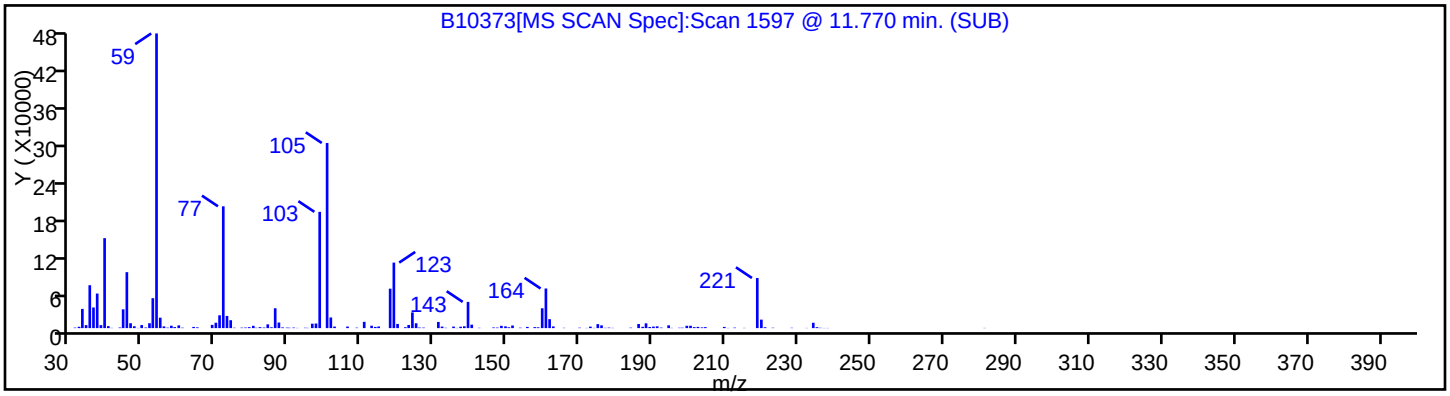
36 Benzoic acid



Report Date: 18-Sep-2009 13:16:13 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10373.D		
Inj Date:	17-Sep-2009 19:48:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49098	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-48691/1-a		
Sample Amount:	1.00 uL	Operator:	MZ

No Library Matches Found above the Threshold: 50



Report Date: 18-Sep-2009 13:16:14 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-2.b\B10373.D

Inj Date: 17-Sep-2009 19:48:30 Limit Group: SMS - 8270LL SVOA Calibration

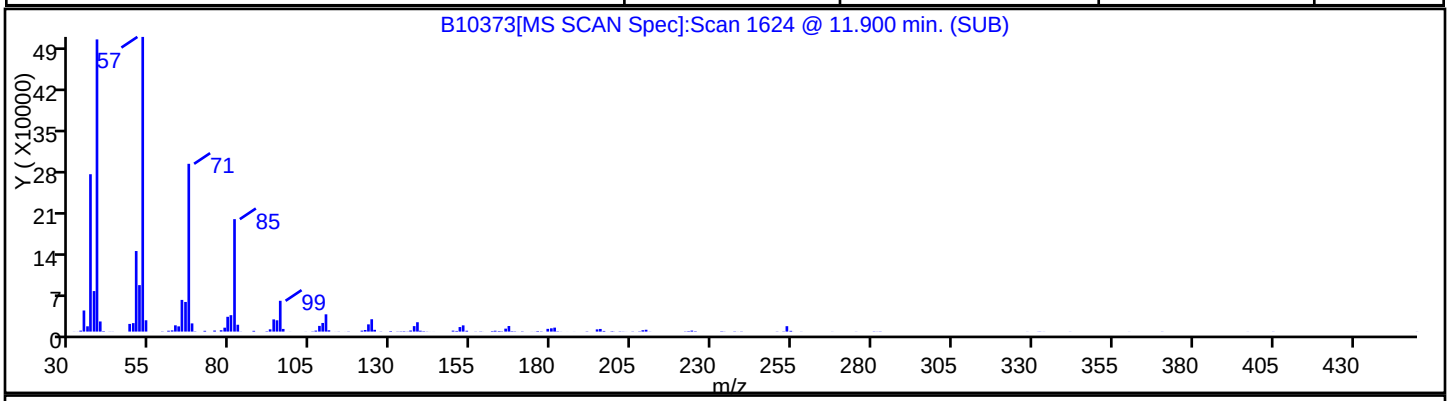
Lims Batch ID: 49098 Lims Sample ID: 3

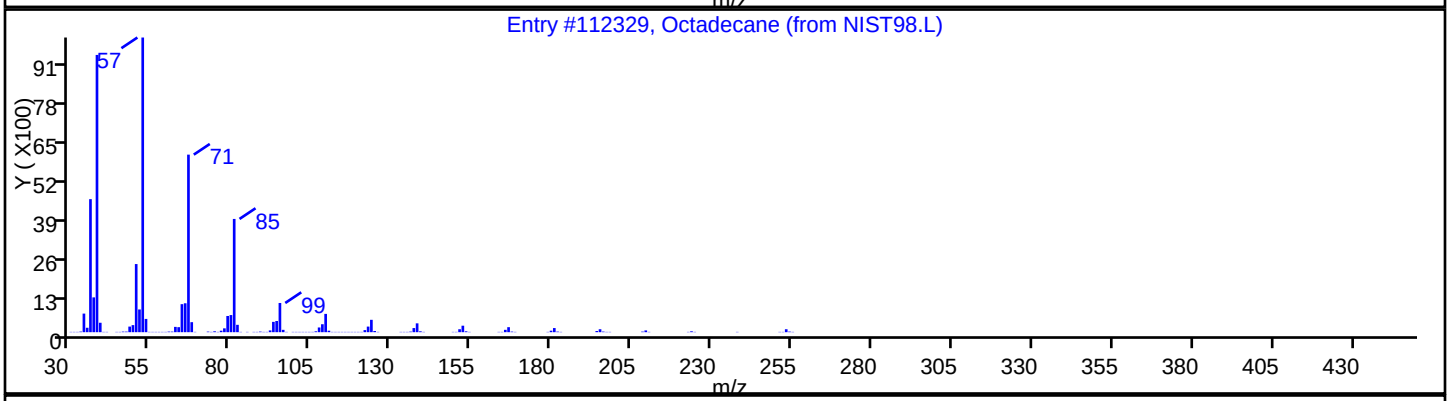
Client ID: Instrument: Inst. B

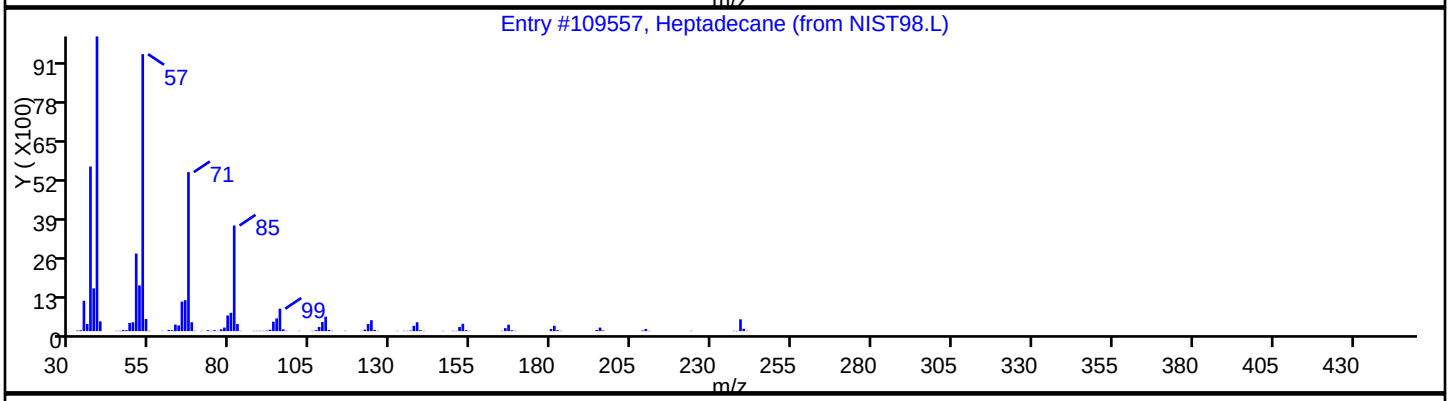
Sample Info: mb 360-48691/1-a

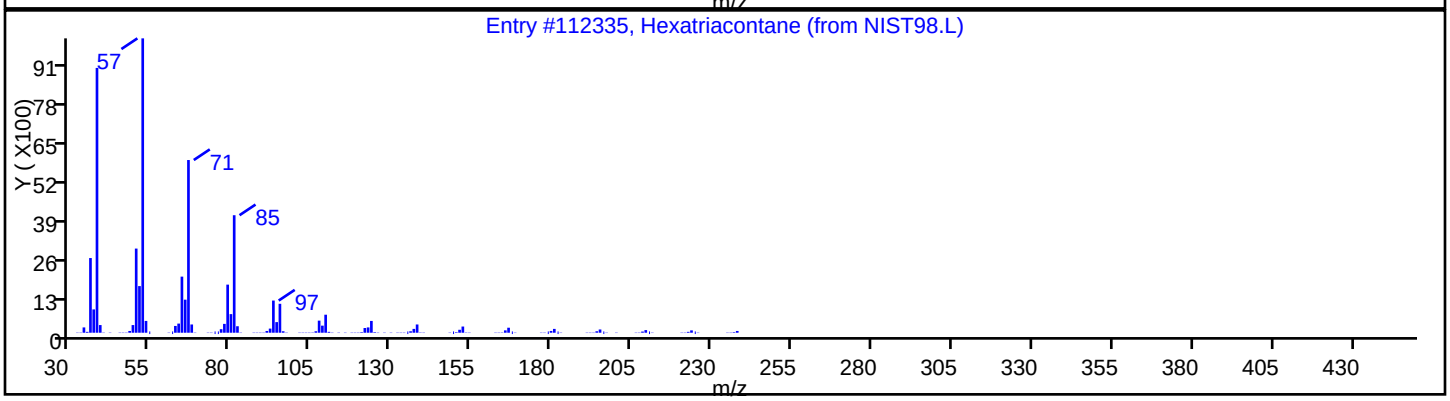
Sample Amount: 1.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112329	99
Heptadecane	629-78-7	NIST98.L	109557	96
Hexatriacontane	630-6-8	NIST98.L	112335	91









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: MB 360-48703/1-A

Matrix: Solid | Lab File ID: J03008.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 14:53

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.: 49174 | 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	2.2
120-82-1	1,2,4-Trichlorobenzene	ND		33	6.5
95-50-1	1,2-Dichlorobenzene	ND		33	3.6
541-73-1	1,3-Dichlorobenzene	ND		33	9.7
106-46-7	1,4-Dichlorobenzene	ND		33	6.0
90-12-0	1-Methylnaphthalene	ND		33	2.0
108-60-1	2,2'-oxybis[1-chloropropane]	ND		33	3.4
58-90-2	2,3,4,6-Tetrachlorophenol	ND		33	2.0
95-95-4	2,4,5-Trichlorophenol	ND		33	3.8
88-06-2	2,4,6-Trichlorophenol	ND		33	7.0
120-83-2	2,4-Dichlorophenol	ND		33	6.4
105-67-9	2,4-Dimethylphenol	ND		33	5.8
51-28-5	2,4-Dinitrophenol	ND		33	4.9
121-14-2	2,4-Dinitrotoluene	ND		33	4.7
606-20-2	2,6-Dinitrotoluene	ND		33	4.2
91-58-7	2-Chloronaphthalene	ND		33	5.1
95-57-8	2-Chlorophenol	ND		33	3.3
91-57-6	2-Methylnaphthalene	ND		33	25
95-48-7	2-Methylphenol	ND		33	4.8
88-74-4	2-Nitroaniline	ND		170	21
88-75-5	2-Nitrophenol	ND		33	3.9
15831-10-4	3 & 4 Methylphenol	ND		33	6.3
91-94-1	3,3'-Dichlorobenzidine	ND		67	24
99-09-2	3-Nitroaniline	ND		170	9.5
534-52-1	4,6-Dinitro-2-methylphenol	ND		170	8.5
101-55-3	4-Bromophenyl phenyl ether	ND		33	6.9
59-50-7	4-Chloro-3-methylphenol	ND		67	9.2
106-47-8	4-Chloroaniline	ND		67	14
7005-72-3	4-Chlorophenyl phenyl ether	ND		33	5.3
100-01-6	4-Nitroaniline	ND		170	8.9
100-02-7	4-Nitrophenol	ND		170	6.5
83-32-9	Acenaphthene	ND		33	4.9
208-96-8	Acenaphthylene	ND		33	5.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: MB 360-48703/1-A

Matrix: Solid | Lab File ID: J03008.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 14:53

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.: 49174 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		33	3.6
62-53-3	Aniline	ND		33	17
120-12-7	Anthracene	ND		33	11
1912-24-9	Atrazine	ND		33	10
103-33-3	Azobenzene	ND		33	4.1
100-52-7	Benzaldehyde	ND		33	10
56-55-3	Benzo[a]anthracene	ND		33	6.4
50-32-8	Benzo[a]pyrene	ND		33	6.1
205-99-2	Benzo[b]fluoranthene	ND		33	7.6
191-24-2	Benzo[g,h,i]perylene	ND		33	6.5
207-08-9	Benzo[k]fluoranthene	ND		33	9.2
65-85-0	Benzoic acid	77.0	J	170	14
119-61-9	Benzophenone	ND		33	2.0
100-51-6	Benzyl alcohol	ND		67	7.7
111-91-1	Bis(2-chloroethoxy)methane	ND		33	6.0
111-44-4	Bis(2-chloroethyl)ether	ND		33	8.1
117-81-7	Bis(2-ethylhexyl) phthalate	ND		33	11
85-68-7	Butyl benzyl phthalate	ND		33	7.3
105-60-2	Caprolactam	ND		33	10
86-74-8	Carbazole	ND		33	33
218-01-9	Chrysene	ND		33	7.2
53-70-3	Dibenz(a,h)anthracene	ND		33	6.7
132-64-9	Dibenzofuran	ND		33	19
84-66-2	Diethyl phthalate	ND		33	4.7
131-11-3	Dimethyl phthalate	ND		33	4.9
84-74-2	Di-n-butyl phthalate	97.6		33	10
117-84-0	Di-n-octyl phthalate	ND		33	9.4
101-84-8	Diphenyl oxide	ND		33	10
206-44-0	Fluoranthene	ND		33	21
86-73-7	Fluorene	ND		33	13
118-74-1	Hexachlorobenzene	ND		33	7.9
87-68-3	Hexachlorobutadiene	ND		33	6.6
77-47-4	Hexachlorocyclopentadiene	ND		67	9.1
67-72-1	Hexachloroethane	ND		33	6.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: MB 360-48703/1-A

Matrix: Solid | Lab File ID: J03008.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 14:53

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.: 49174 | 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	7.1
91-20-3	Naphthalene	ND		80	74
98-95-3	Nitrobenzene	ND		33	4.5
62-75-9	N-Nitrosodimethylamine	ND		33	3.9
621-64-7	N-Nitrosodi-n-propylamine	ND		33	3.8
86-30-6	N-Nitrosodiphenylamine	ND		33	6.7
87-86-5	Pentachlorophenol	ND		33	6.9
85-01-8	Phenanthrene	ND		40	38
108-95-2	Phenol	ND		33	4.2
129-00-0	Pyrene	ND		33	8.8

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	71	30-130	
321-60-8	2-Fluorobiphenyl	67	30-130	
367-12-4	2-Fluorophenol	79	30-130	
4165-60-0	Nitrobenzene-d5	67	30-130	
4165-62-2	Phenol-d5	78	30-130	
1718-51-0	Terphenyl-d14	80	30-130	

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

Lab Name: TestAmerica Westfield
Job No.: 360-24327-2
SDG No.: OCRI-07A
Client Sample ID:
Lab Sample ID: MB 360-48703/1-A
Matrix: Solid
Lab File ID: J03008.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3546
Date Extracted: 09/08/2009 14:52
Sample wt/vol: 30.00(g)
Date Analyzed: 09/18/2009 14:53
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.: 49174
Units: ug/Kg
Number TICs Found: 4
TIC Result Total: 676.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
122-99-6	Ethanol, 2-phenoxy-	7.94	214	T J N
	Unknown	10.63	193	T J
593-45-3	Octadecane	10.89	36.5	T J N
	Unknown	13.45	233	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03008.D		
Lims ID:	MB 360-48703/1-A	Client ID:	
Inject. Date:	18-Sep-2009 14:53:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48703/1-a		
Misc. Info.:	360-0001221-013		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49174	Lims Sample ID:	13
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\8270NDMA.m		
Last Update:	21-Sep-2009 07:37:56	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 07:37:56

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.415	6.419	-0.004	67047	2.00	
* 2 Naphthalene-d8	136	7.742	7.746	-0.004	173955	2.00	
* 3 Acenaphthene-d10	164	9.478	9.477	0.001	86094	2.00	
* 4 Phenanthrene-d10	188	10.921	10.920	0.001	144554	2.00	
* 5 Chrysene-d12	240	13.494	13.497	-0.003	98629	2.00	
* 6 Perylene-d12	264	14.845	14.844	0.001	66079	2.00	
$ 7 2-Fluorophenol	112	4.698	4.654	0.044	166763	7.94	
$ 8 Phenol-d5	99	6.088	6.082	0.006	203043	7.82	
$ 9 Nitrobenzene-d5	82	7.026	7.025	0.001	89952	3.37	
$ 10 2-Fluorobiphenyl	172	8.839	8.842	-0.003	183311	3.35	
$ 11 2,4,6-Tribromophenol	330	10.248	10.251	-0.003	41547	7.11	
$ 12 Terphenyl-d14	244	12.503	12.502	0.001	150008	3.98	
24 Benzyl alcohol	79	6.612	6.606	0.006	3005	0.1765	
36 Benzoic acid	105	7.536	7.549	-0.013	1359	2.31	
40 Alpha-Terpineol	59	7.810	7.808	0.002	2586	0.1611	
66 Diethyl phthalate	149	9.945	9.948	-0.003	2841	0.0535	
80 Phenanthrene	178	10.940	10.944	-0.004	1549	0.0211	
84 Di-n-butyl phthalate	149	11.551	11.550	0.001	229724	2.93	
92 Bis(2-ethylhexyl) phthalate	149	13.585	13.589	-0.004	4518	0.2064	M

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03008.D		
Lims ID:	MB 360-48703/1-A	Client ID:	
Inject. Date:	18-Sep-2009 14:53:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48703/1-a		
Misc. Info.:	360-0001221-013		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49174	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\8270NDMA.m		
Last Update:	21-Sep-2009 07:37:56	Calib Date:	15-Sep-2009 21:23:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	21-Sep-2009 07:37:56

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
122-99-6	Ethanol, 2-phenoxy-					
7.944	1456428	6.41	2	97	40669	
	Unknown					
10.632	1199270	5.80	4			
593-45-3	Octadecane					
10.892	226235	1.09	4	98	112330	
	Unknown					
13.446	2046079	6.99	5			

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 2 Naphthalene-d8	7.747	454083	2.00
* 4 Phenanthrene-d10	10.916	413758	2.00
* 5 Chrysene-d12	13.498	585280	2.00

QC Flag Legend

Processing Flags

Report Date: 21-Sep-2009 07:37:57 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03008.D

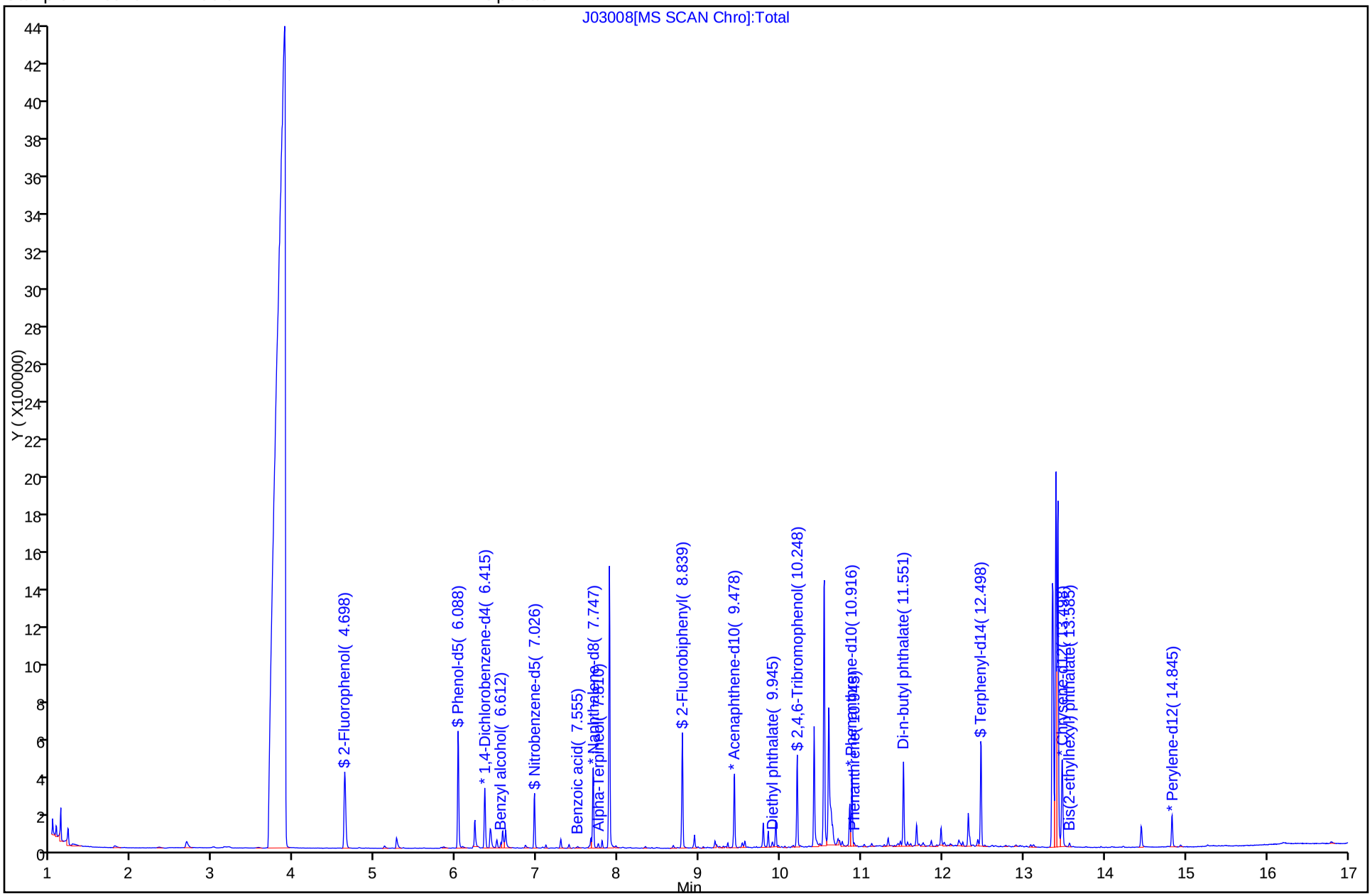
Inj Date: 18-Sep-2009 14:53:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49174 Lims Sample ID: 13

Client ID: Instrument: Inst. J

Sample Info: mb 360-48703/1-a

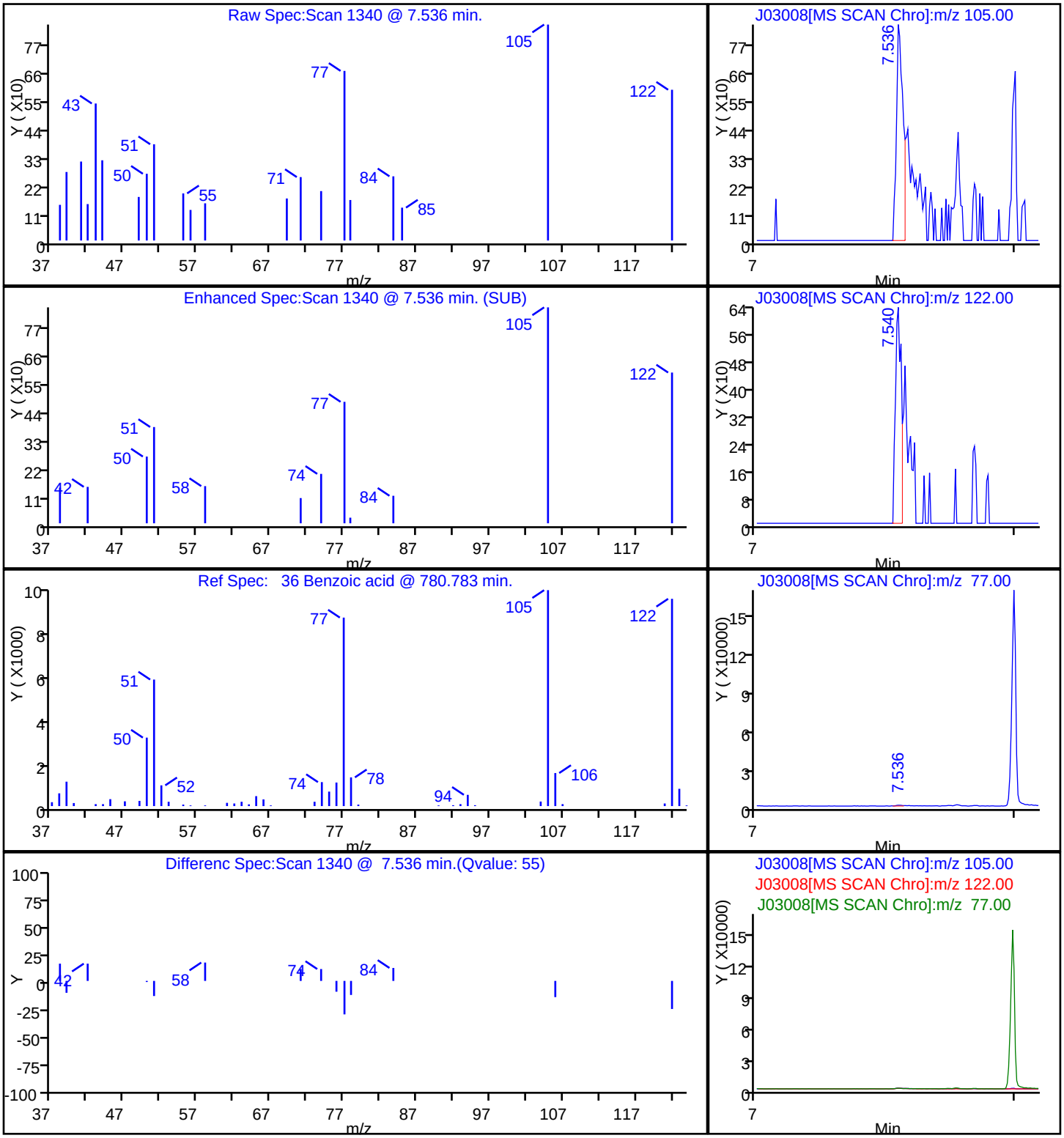
Sample Amount: 1.00 uL Operator:



Report Date: 21-Sep-2009 07:37:57 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03008.D		
Inj Date:	18-Sep-2009 14:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	13
Client ID:		Instrument:	Inst. J
Sample Info:	mb 360-48703/1-a		
Sample Amount:	1.00 uL	Operator:	

36 Benzoic acid



Report Date: 21-Sep-2009 07:37:58 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03008.D

Inj Date: 18-Sep-2009 14:53:30 Limit Group: SMS - 8270LL SVOA Calibration

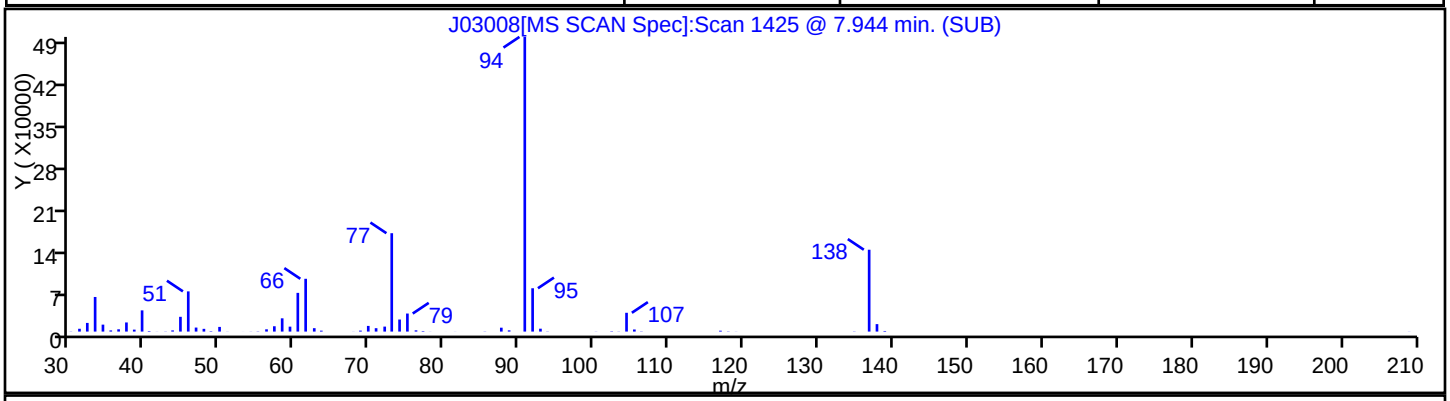
Lims Batch ID: 49174 Lims Sample ID: 13

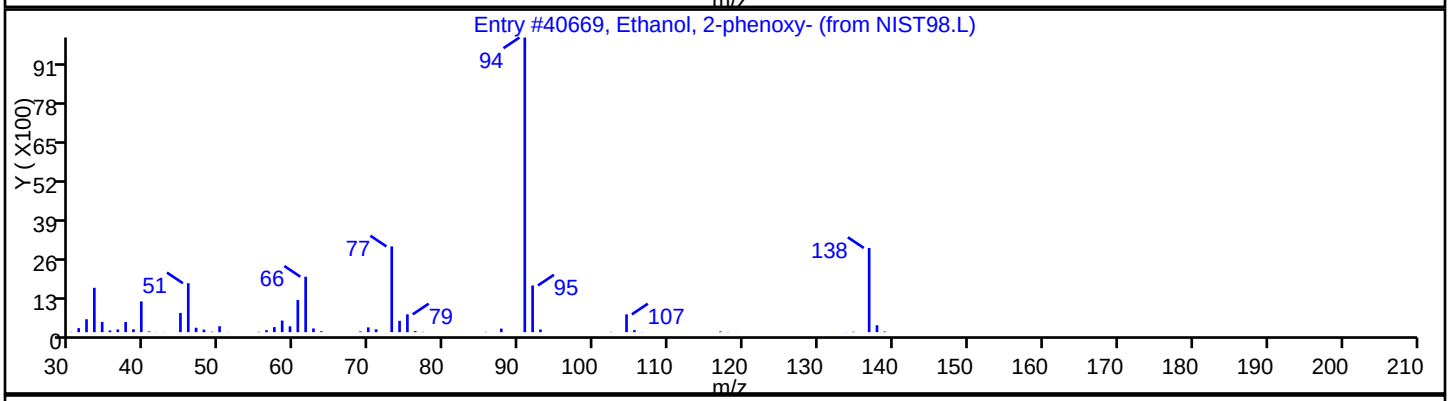
Client ID: Instrument: Inst. J

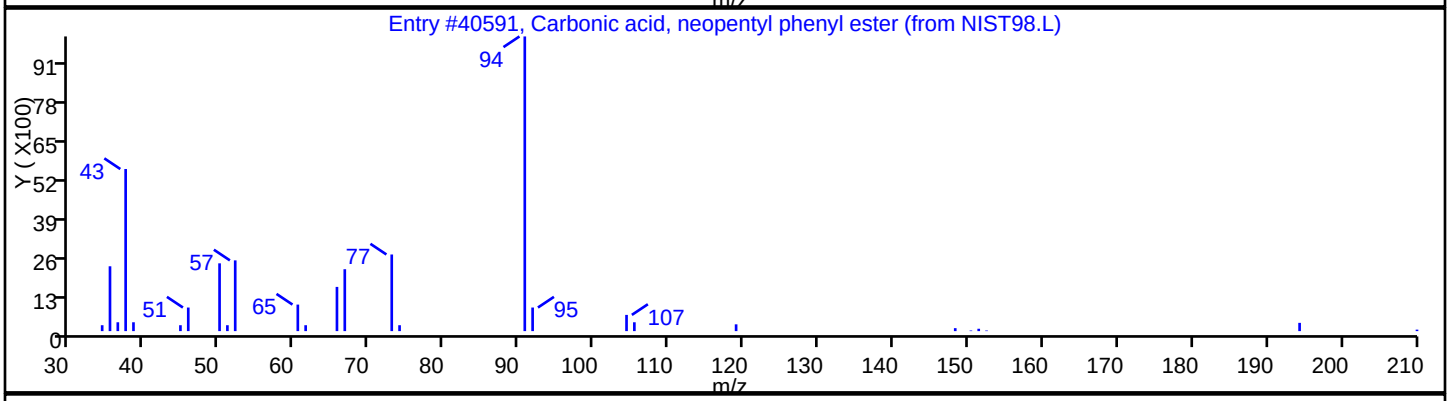
Sample Info: mb 360-48703/1-a

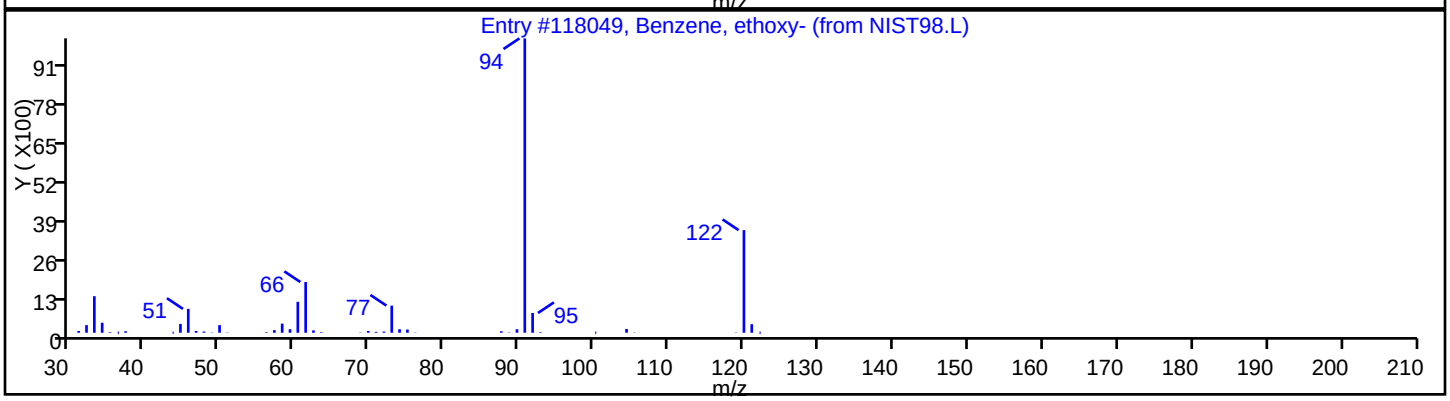
Sample Amount: 1.00 uL Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Ethanol, 2-phenoxy-	122-99-6	NIST98.L	40669	97
Carbonic acid, neopentyl phenyl ester	13183-19-2	NIST98.L	40591	64
Benzene, ethoxy-	103-73-1	NIST98.L	118049	59





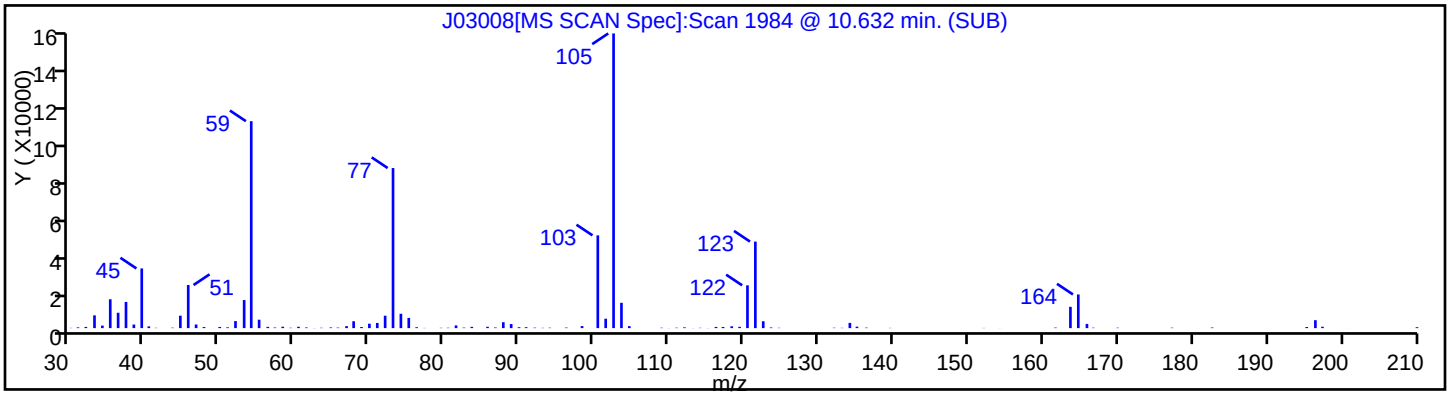




Report Date: 21-Sep-2009 07:37:58 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03008.D		
Inj Date:	18-Sep-2009 14:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	13
Client ID:		Instrument:	Inst. J
Sample Info:	mb 360-48703/1-a		
Sample Amount:	1.00 uL	Operator:	

No Library Matches Found above the Threshold: 50



Report Date: 21-Sep-2009 07:37:58 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03008.D

Inj Date: 18-Sep-2009 14:53:30 Limit Group: SMS - 8270LL SVOA Calibration

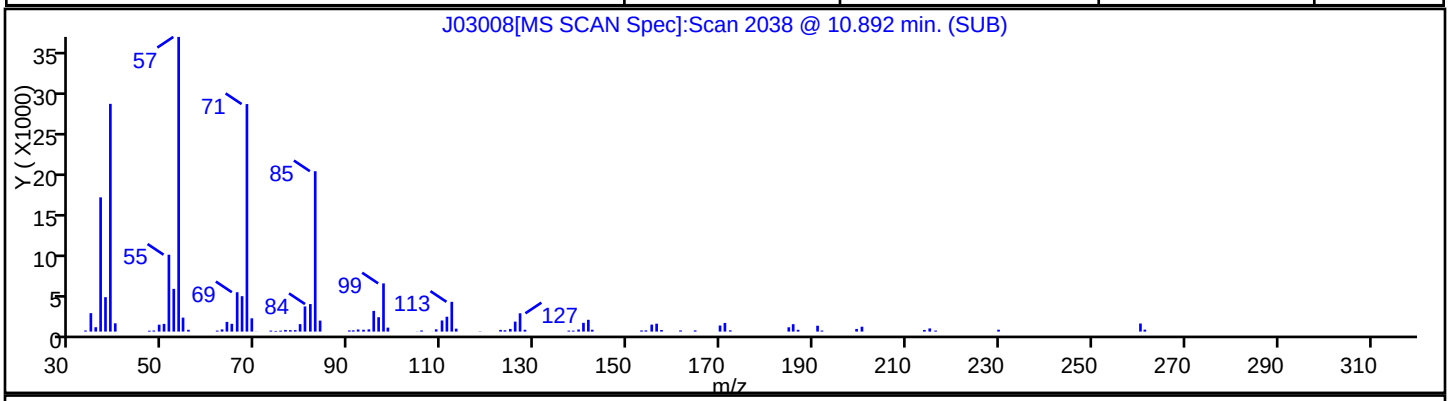
Lims Batch ID: 49174 Lims Sample ID: 13

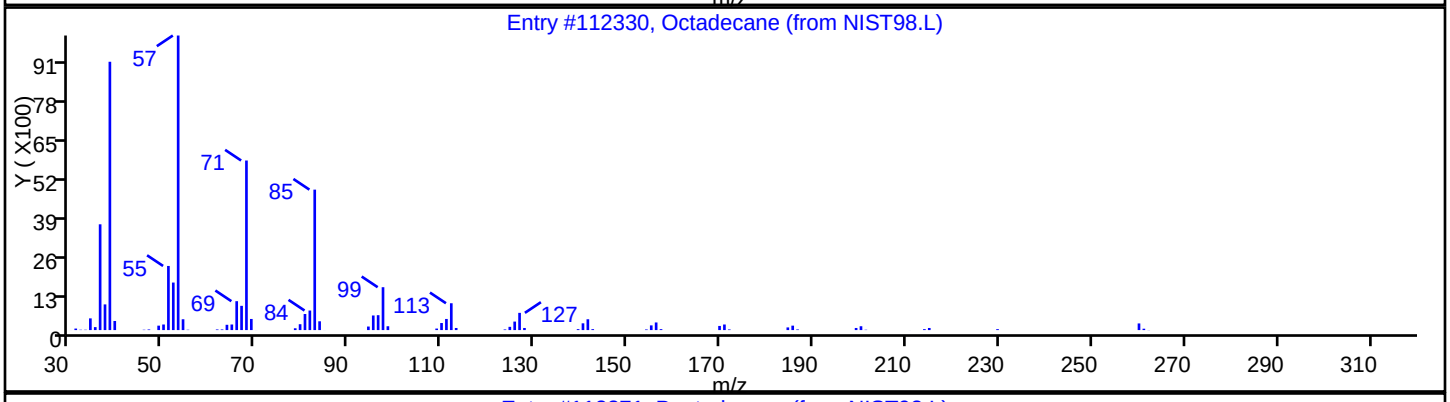
Client ID: Instrument: Inst. J

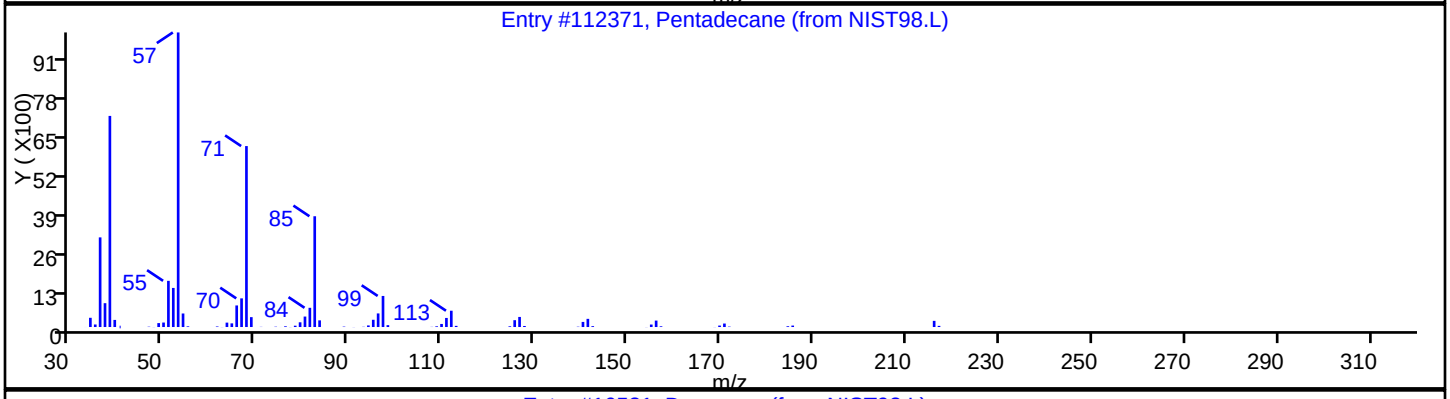
Sample Info: mb 360-48703/1-a

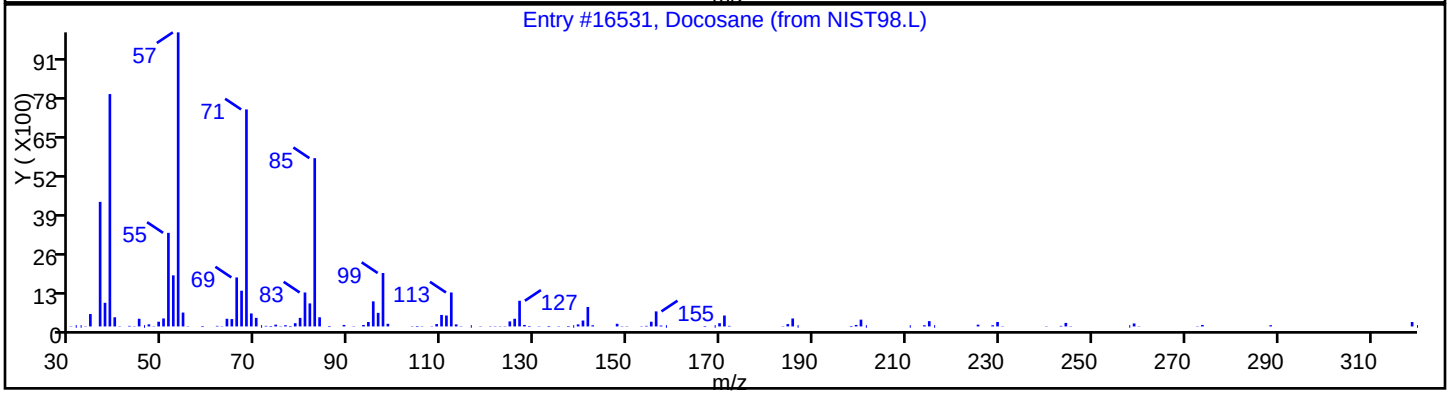
Sample Amount: 1.00 uL Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112330	98
Pentadecane	629-62-9	NIST98.L	112371	96
Docosane	629-97-0	NIST98.L	16531	91





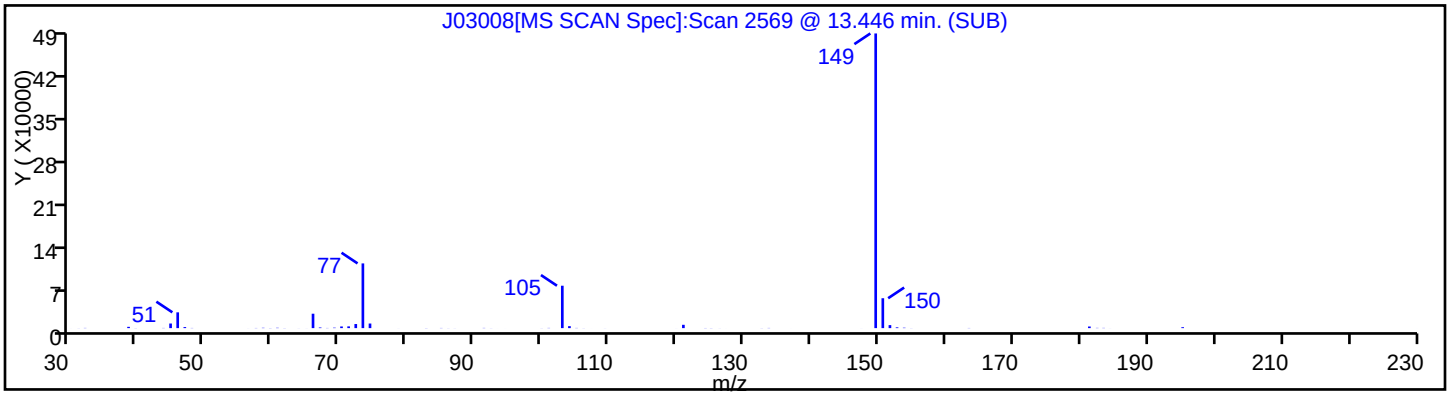




Report Date: 21-Sep-2009 07:37:58 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03008.D		
Inj Date:	18-Sep-2009 14:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49174	Lims Sample ID:	13
Client ID:		Instrument:	Inst. J
Sample Info:	mb 360-48703/1-a		
Sample Amount:	1.00 uL	Operator:	

No Library Matches Found above the Threshold: 50



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: LCS 360-48691/2-A

Matrix: Solid | Lab File ID: B10374.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.00(g) | Date Analyzed: 09/17/2009 20:22

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.: 49098 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	276		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	272		33	2.2
120-82-1	1,2,4-Trichlorobenzene	251		33	6.5
95-50-1	1,2-Dichlorobenzene	205		33	3.6
541-73-1	1,3-Dichlorobenzene	197		33	9.7
106-46-7	1,4-Dichlorobenzene	194		33	6.0
90-12-0	1-Methylnaphthalene	283		33	2.0
108-60-1	2,2'-oxybis[1-chloropropane]	208		33	3.4
58-90-2	2,3,4,6-Tetrachlorophenol	246		33	2.0
95-95-4	2,4,5-Trichlorophenol	314		33	3.8
88-06-2	2,4,6-Trichlorophenol	309		33	7.0
120-83-2	2,4-Dichlorophenol	317		33	6.4
105-67-9	2,4-Dimethylphenol	373		33	5.8
51-28-5	2,4-Dinitrophenol	223		33	4.9
121-14-2	2,4-Dinitrotoluene	264		33	4.7
606-20-2	2,6-Dinitrotoluene	288		33	4.2
91-58-7	2-Chloronaphthalene	211		33	5.1
95-57-8	2-Chlorophenol	223		33	3.3
91-57-6	2-Methylnaphthalene	279		33	25
95-48-7	2-Methylphenol	251		33	4.8
88-74-4	2-Nitroaniline	290		170	21
88-75-5	2-Nitrophenol	303		33	3.9
15831-10-4	3 & 4 Methylphenol	249		33	6.3
91-94-1	3,3'-Dichlorobenzidine	108		67	24
99-09-2	3-Nitroaniline	260		170	9.5
534-52-1	4,6-Dinitro-2-methylphenol	308		170	8.5
101-55-3	4-Bromophenyl phenyl ether	298		33	6.9
59-50-7	4-Chloro-3-methylphenol	344		67	9.2
106-47-8	4-Chloroaniline	259		67	14
7005-72-3	4-Chlorophenyl phenyl ether	285		33	5.3
100-01-6	4-Nitroaniline	300		170	8.9
100-02-7	4-Nitrophenol	309		170	6.5
83-32-9	Acenaphthene	316		33	4.9
208-96-8	Acenaphthylene	273		33	5.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: LCS 360-48691/2-A

Matrix: Solid | Lab File ID: B10374.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.00(g) | Date Analyzed: 09/17/2009 20:22

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.: 49098 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	222		33	3.6
62-53-3	Aniline	102		33	17
120-12-7	Anthracene	338		33	11
1912-24-9	Atrazine	370		33	10
103-33-3	Azobenzene	295		33	4.1
100-52-7	Benzaldehyde	474		33	10
56-55-3	Benzo[a]anthracene	350		33	6.4
50-32-8	Benzo[a]pyrene	314		33	6.1
205-99-2	Benzo[b]fluoranthene	329		33	7.6
191-24-2	Benzo[g,h,i]perylene	297		33	6.5
207-08-9	Benzo[k]fluoranthene	349		33	9.2
65-85-0	Benzoic acid	203		170	14
119-61-9	Benzophenone	309		33	2.0
100-51-6	Benzyl alcohol	236		67	7.7
111-91-1	Bis(2-chloroethoxy)methane	270		33	6.0
111-44-4	Bis(2-chloroethyl)ether	124		33	8.1
117-81-7	Bis(2-ethylhexyl) phthalate	316		33	11
85-68-7	Butyl benzyl phthalate	313		33	7.3
105-60-2	Caprolactam	357		33	10
86-74-8	Carbazole	333		33	33
218-01-9	Chrysene	335		33	7.2
53-70-3	Dibenz(a,h)anthracene	282		33	6.7
132-64-9	Dibenzofuran	277		33	19
84-66-2	Diethyl phthalate	290		33	4.7
131-11-3	Dimethyl phthalate	278		33	4.9
84-74-2	Di-n-butyl phthalate	346		33	10
117-84-0	Di-n-octyl phthalate	285		33	9.4
101-84-8	Diphenyl oxide	288		33	10
206-44-0	Fluoranthene	312		33	21
86-73-7	Fluorene	337		33	13
118-74-1	Hexachlorobenzene	302		33	7.9
87-68-3	Hexachlorobutadiene	260		33	6.6
77-47-4	Hexachlorocyclopentadiene	261		67	9.1
67-72-1	Hexachloroethane	205		33	6.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: LCS 360-48691/2-A

Matrix: Solid | Lab File ID: B10374.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.00(g) | Date Analyzed: 09/17/2009 20:22

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.: 49098 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	329		33	10
78-59-1	Isophorone	247		33	7.1
91-20-3	Naphthalene	322		80	74
98-95-3	Nitrobenzene	267		33	4.5
62-75-9	N-Nitrosodimethylamine	212		33	3.9
621-64-7	N-Nitrosodi-n-propylamine	230		33	3.8
86-30-6	N-Nitrosodiphenylamine	216		33	6.7
87-86-5	Pentachlorophenol	302		33	6.9
85-01-8	Phenanthrene	305		40	38
108-95-2	Phenol	236		33	4.2
129-00-0	Pyrene	310		33	8.8

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	65	30-130	
4165-60-0	Nitrobenzene-d5	76	30-130	
4165-62-2	Phenol-d5	70	30-130	
1718-51-0	Terphenyl-d14	75	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10374.D		
Lims ID:	LCS 360-48691/2-A	Client ID:	
Inject. Date:	17-Sep-2009 20:22:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-48691/2-a		
Misc. Info.:	360-0001208-004		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49098	Lims Sample ID:	4
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\8270B.m		
Last Update:	18-Sep-2009 13:21:37	Calib Date:	17-Sep-2009 17:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	18-Sep-2009 13:17:40
Reviewed By:	sullivanp	Date:	18-Sep-2009 13:22:35

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.260	8.260	0.000	794463	2.00	
* 2 Naphthalene-d8	136	9.366	9.362	0.004	1547576	2.00	
* 3 Acenaphthene-d10	164	10.876	10.874	0.002	701829	2.00	
* 4 Phenanthrene-d10	188	12.165	12.162	0.003	1162081	2.00	
* 5 Chrysene-d12	240	15.935	15.932	0.003	903409	2.00	
* 6 Perylene-d12	264	18.628	18.625	0.003	534419	2.00	
$ 7 2-Fluorophenol	112	7.068	7.007	0.061	1451204	6.49	
$ 8 Phenol-d5	99	7.880	7.854	0.026	1868424	6.98	
$ 9 Nitrobenzene-d5	82	8.736	8.729	0.007	811163	3.80	
$ 10 2-Fluorobiphenyl	172	10.256	10.258	-0.002	1735137	3.81	
$ 11 2,4,6-Tribromophenol	330	11.549	11.547	0.002	339528	8.06	
$ 12 Terphenyl-d14	244	13.963	13.961	0.002	1335985	3.73	
14 1,4-Dioxane	88	5.187	5.007	0.180	292510	3.48	M
15 N-Nitrosodimethylamine	42	5.596	5.459	0.137	1040950	6.37	M
16 Pyridine	79	5.654	5.517	0.137	982838	4.94	M
17 Benzaldehyde	105	7.876	7.854	0.022	1155763	14.2	
18 Phenol	94	7.895	7.868	0.027	1990162	7.07	
19 Aniline	93	7.962	7.940	0.022	878680	3.06	
20 Bis(2-chloroethyl)ether	93	7.962	7.969	-0.007	878680	3.72	
21 2-Chlorophenol	128	8.078	8.056	0.022	1577339	6.69	
22 1,4-Dichlorobenzene	146	8.212	8.195	0.017	1678588	5.81	
23 1,3-Dichlorobenzene	146	8.275	8.258	0.017	1773478	5.90	
24 Benzyl alcohol	79	8.352	8.334	0.018	1265010	7.08	
25 1,2-Dichlorobenzene	146	8.414	8.402	0.012	1709741	6.16	
26 2-Methylphenol	108	8.424	8.411	0.013	1669757	7.52	
27 2,2'-oxybis[1-chloropropane]	45	8.453	8.440	0.013	2625897	6.23	
28 3 & 4 Methylphenol	108	8.549	8.536	0.013	1626017	7.48	
29 N-Nitrosodi-n-propylamine	70	8.568	8.561	0.008	1099868	6.89	
30 Acetophenone	105	8.592	8.580	0.012	2148591	6.67	
31 Hexachloroethane	117	8.712	8.705	0.007	622106	6.14	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.756	8.743	0.013	1674295	8.02	
33 Isophorone	82	8.943	8.936	0.007	2502515	7.40	
35 2,4-Dimethylphenol	107	9.010	9.003	0.007	1755838	11.2	
34 2-Nitrophenol	139	9.025	9.017	0.008	909733	9.08	
36 Benzoic acid	105	9.049	9.037	0.012	369070	6.10	M
37 Bis(2-chloroethoxy)methane	93	9.092	9.085	0.007	1699834	8.09	
38 2,4-Dichlorophenol	162	9.227	9.219	0.008	1405466	9.50	
39 1,2,4-Trichlorobenzene	180	9.304	9.301	0.003	1373895	7.52	
40 Alpha-Terpineol	59	9.347	9.344	0.003	1391444	8.72	
41 Naphthalene	128	9.390	9.383	0.007	4631122	9.65	
42 4-Chloroaniline	127	9.405	9.402	0.003	2029987	7.76	
43 Hexachlorobutadiene	225	9.467	9.465	0.002	707879	7.79	
44 Caprolactam	55	9.717	9.691	0.026	876786	10.7	
45 4-Chloro-3-methylphenol	107	9.780	9.772	0.008	1492071	10.3	
46 2-Methylnaphthalene	142	9.972	9.969	0.003	3194196	8.37	
47 1-Methylnaphthalene	142	10.064	10.061	0.003	3258202	8.49	
48 Hexachlorocyclopentadiene	237	10.097	10.095	0.002	447050	7.84	
49 1,2,4,5-Tetrachlorobenzene	216	10.112	10.114	-0.002	1306620	8.15	
50 2,4,6-Trichlorophenol	196	10.198	10.191	0.007	978090	9.26	
51 2,4,5-Trichlorophenol	196	10.237	10.229	0.008	1035573	9.43	
52 1,1'-Biphenyl	154	10.357	10.354	0.003	4127150	8.27	
53 2-Chloronaphthalene	162	10.400	10.397	0.003	2949724	6.32	
54 Phenyl ether	170	10.434	10.431	0.003	2263090	8.63	
68 4-Nitroaniline	138	10.463	10.460	0.003	1202361	9.01	
56 Dimethyl phthalate	163	10.568	10.571	-0.003	3661309	8.34	
57 2,6-Dinitrotoluene	165	10.645	10.643	0.002	863691	8.64	
58 Acenaphthylene	152	10.761	10.763	-0.002	4651511	8.19	
59 3-Nitroaniline	138	10.809	10.806	0.003	825245	7.81	
60 2,4-Dinitrophenol	184	10.891	10.888	0.003	200958	6.69	
62 4-Nitrophenol	109	10.905	10.893	0.012	589317	9.27	
61 Acenaphthene	153	10.905	10.902	0.003	3863524	9.49	
63 2,4-Dinitrotoluene	165	10.996	10.989	0.007	1127004	7.93	
64 Dibenzofuran	168	11.049	11.047	0.002	4304086	8.30	
65 2,3,4,6-Tetrachlorophenol	232	11.136	11.133	0.003	686980	7.37	
66 Diethyl phthalate	149	11.155	11.152	0.003	3863322	8.71	
67 4-Chlorophenyl phenyl ether	204	11.304	11.302	0.002	1703110	8.54	
55 2-Nitroaniline	65	11.338	11.330	0.008	1082276	8.71	
69 Fluorene	166	11.343	11.340	0.003	4451559	10.1	
70 4,6-Dinitro-2-methylphenol	198	11.348	11.345	0.003	486644	9.25	
72 N-Nitrosodiphenylamine	169	11.400	11.393	0.007	2410575	6.48	
73 1,2-Diphenylhydrazine	77	11.444	11.441	0.003	5971119	8.85	
74 Azobenzene	77	11.444	11.441	0.003	5971119	8.85	
13 Benzophenone	105	11.453	11.451	0.002	3917111	9.26	
75 4-Bromophenyl phenyl ether	248	11.727	11.725	0.002	920774	8.93	
77 Atrazine	200	11.809	11.802	0.007	1175359	11.1	
76 Hexachlorobenzene	284	11.819	11.816	0.003	878420	9.07	
78 Pentachlorophenol	266	11.973	11.970	0.003	505294	9.05	
79 Pentachloronitrobenzene	237	11.987	11.980	0.007	413502	8.29	
80 Phenanthrene	178	12.189	12.182	0.007	5416481	9.14	
81 Anthracene	178	12.237	12.230	0.007	5616515	10.1	
83 Carbazole	167	12.357	12.355	0.002	4527006	10.0	
84 Di-n-butyl phthalate	149	12.583	12.581	0.002	7365307	10.4	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
87 Fluoranthene	202	13.497	13.494	0.003	5000166	9.35	
86 Benzidine	184	13.608	13.600	0.008	11033	1.75	
85 Pyrene	202	13.843	13.836	0.007	5587723	9.31	
89 Butyl benzyl phthalate	149	14.781	14.778	0.003	2581814	9.40	
92 Bis(2-ethylhexyl) phthalate	149	15.796	15.793	0.003	3762722	9.47	
91 3,3'-Dichlorobenzidine	252	15.834	15.827	0.007	926485	3.25	
93 Benzo[a]anthracene	228	15.921	15.913	0.008	4151082	10.5	
94 Chrysene	228	15.978	15.971	0.007	3870596	10.1	
95 Di-n-octyl phthalate	149	16.863	16.861	0.003	5426153	8.56	
97 Benzo[b]fluoranthene	252	17.806	17.798	0.008	3017257	9.86	
98 Benzo[k]fluoranthene	252	17.863	17.851	0.012	2973817	10.5	
99 Benzo[a]pyrene	252	18.513	18.500	0.013	2406517	9.42	
100 Indeno[1,2,3-cd]pyrene	276	21.432	21.419	0.013	1514787	9.88	
101 Dibenz(a,h)anthracene	278	21.451	21.438	0.013	1190060	8.45	
102 Benzo[g,h,i]perylene	276	22.288	22.275	0.013	1226955	8.90	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Sep-2009 13:22:36 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-2.b\B10374.D

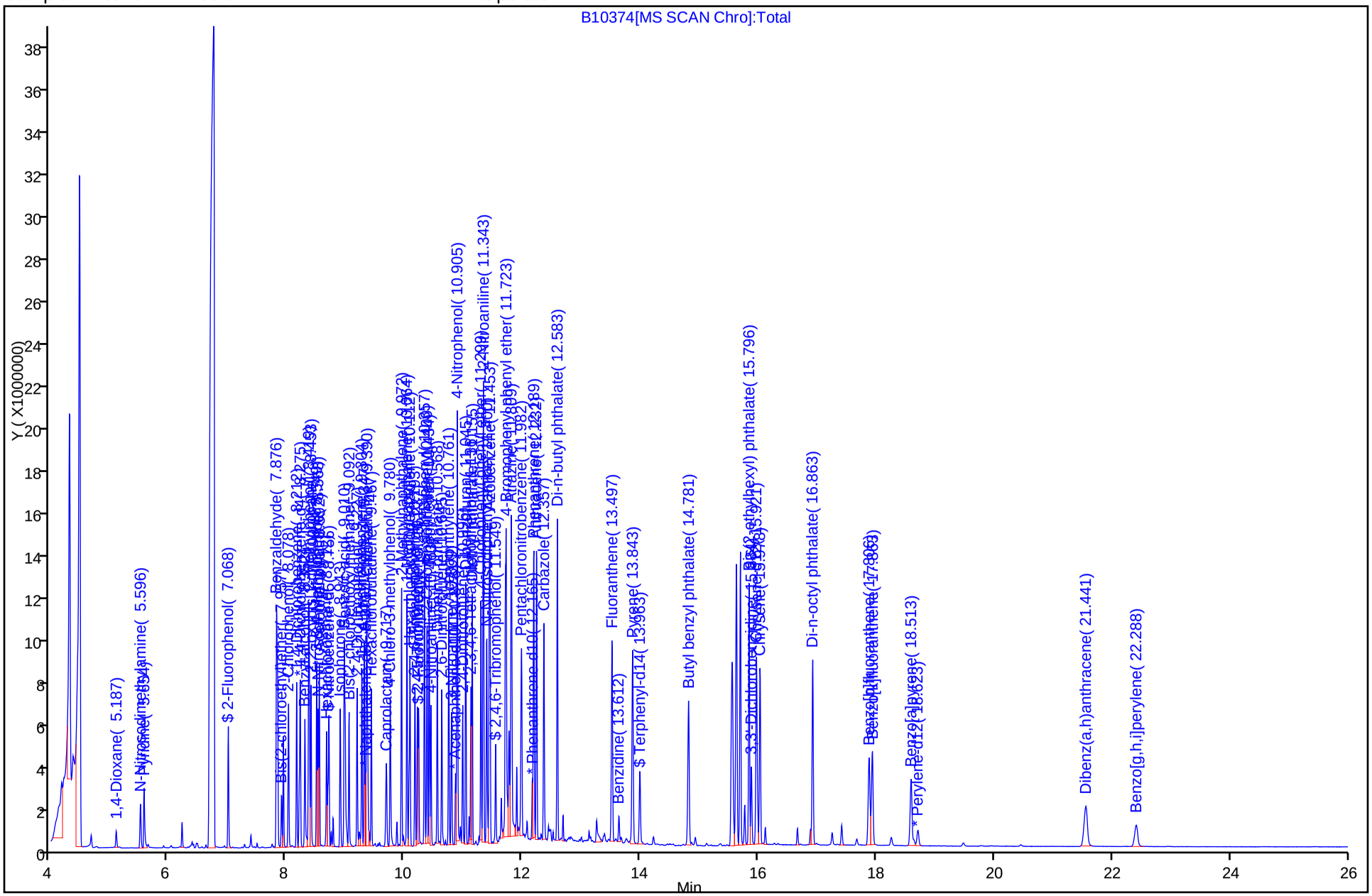
Inj Date: 17-Sep-2009 20:22:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49098 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: lcs 360-48691/2-a

Sample Amount: 1.00 uL Operator: MZ



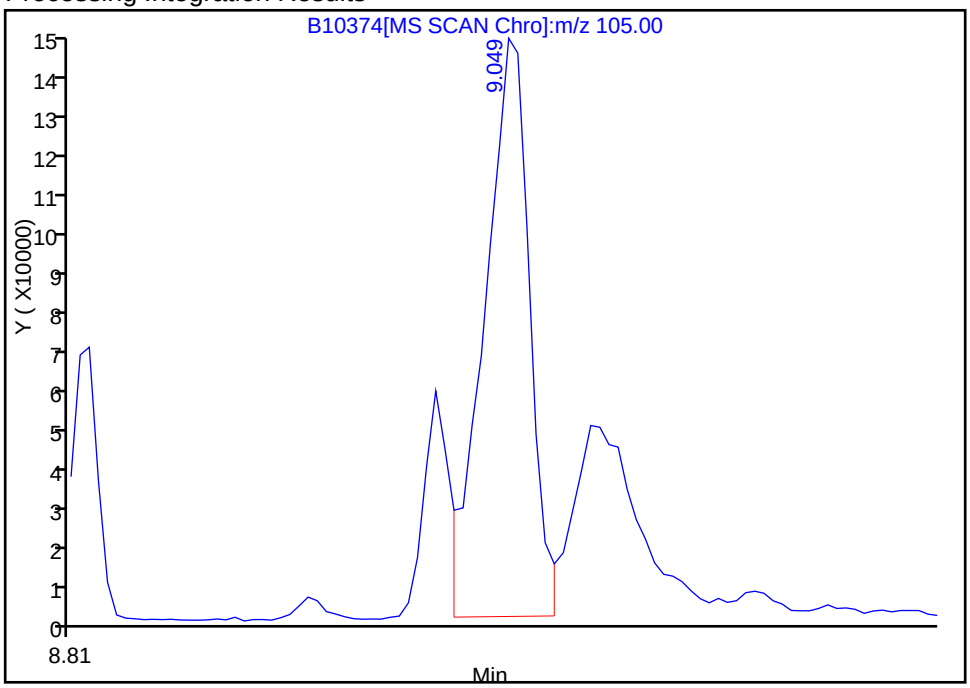
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10374.D		
Inj Date:	17-Sep-2009 20:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49098	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	lcs 360-48691/2-a		
Sample Amount:	1.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 9.04

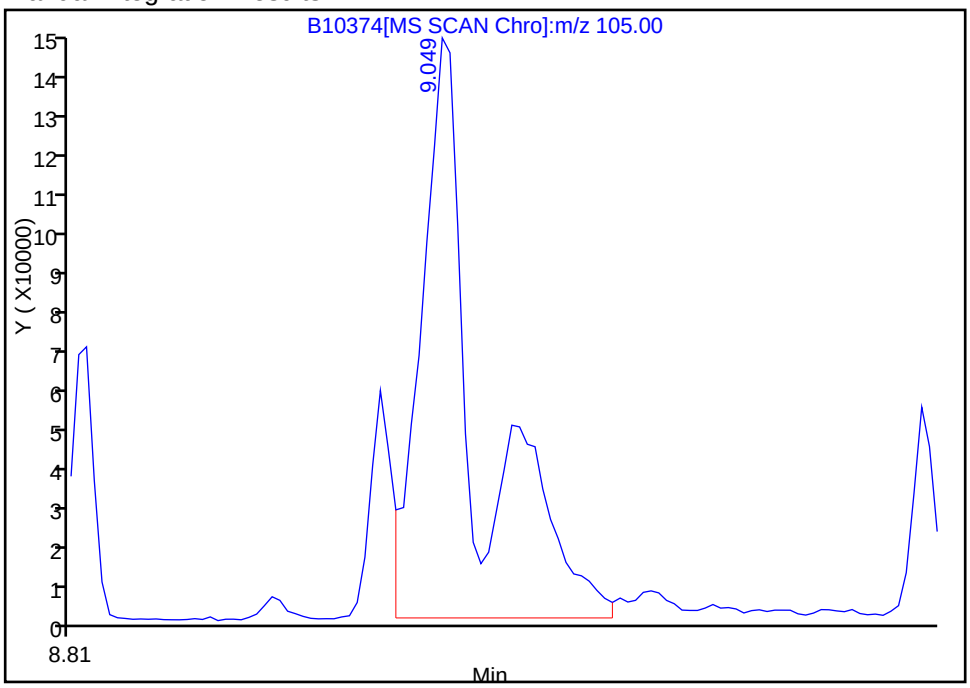
Processing Integration Results

RT: 9.05
Response: 248913
Amount: 4.825174



Manual Integration Results

RT: 9.05
Response: 369070
Amount: 6.103603



Reviewer: sullivanp, 18-Sep-2009 13:22:35
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: LCS 360-48703/2-A

Matrix: Solid | Lab File ID: J03009.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 15:20

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.: 49174 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	218		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	204		33	2.2
120-82-1	1,2,4-Trichlorobenzene	185		33	6.5
95-50-1	1,2-Dichlorobenzene	166		33	3.6
541-73-1	1,3-Dichlorobenzene	162		33	9.7
106-46-7	1,4-Dichlorobenzene	162		33	6.0
90-12-0	1-Methylnaphthalene	209		33	2.0
108-60-1	2,2'-oxybis[1-chloropropane]	179		33	3.4
58-90-2	2,3,4,6-Tetrachlorophenol	214		33	2.0
95-95-4	2,4,5-Trichlorophenol	249		33	3.8
88-06-2	2,4,6-Trichlorophenol	252		33	7.0
120-83-2	2,4-Dichlorophenol	232		33	6.4
105-67-9	2,4-Dimethylphenol	283		33	5.8
51-28-5	2,4-Dinitrophenol	170		33	4.9
121-14-2	2,4-Dinitrotoluene	222		33	4.7
606-20-2	2,6-Dinitrotoluene	230		33	4.2
91-58-7	2-Chloronaphthalene	167		33	5.1
95-57-8	2-Chlorophenol	190		33	3.3
91-57-6	2-Methylnaphthalene	211		33	25
95-48-7	2-Methylphenol	204		33	4.8
88-74-4	2-Nitroaniline	216		170	21
88-75-5	2-Nitrophenol	199		33	3.9
15831-10-4	3 & 4 Methylphenol	212		33	6.3
91-94-1	3,3'-Dichlorobenzidine	107		67	24
99-09-2	3-Nitroaniline	256		170	9.5
534-52-1	4,6-Dinitro-2-methylphenol	181		170	8.5
101-55-3	4-Bromophenyl phenyl ether	223		33	6.9
59-50-7	4-Chloro-3-methylphenol	250		67	9.2
106-47-8	4-Chloroaniline	208		67	14
7005-72-3	4-Chlorophenyl phenyl ether	220		33	5.3
100-01-6	4-Nitroaniline	229		170	8.9
100-02-7	4-Nitrophenol	304		170	6.5
83-32-9	Acenaphthene	242		33	4.9
208-96-8	Acenaphthylene	228		33	5.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: LCS 360-48703/2-A

Matrix: Solid | Lab File ID: J03009.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 15:20

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.: 49174 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	195		33	3.6
62-53-3	Aniline	86.7		33	17
120-12-7	Anthracene	273		33	11
1912-24-9	Atrazine	253		33	10
103-33-3	Azobenzene	239		33	4.1
100-52-7	Benzaldehyde	195		33	10
56-55-3	Benzo[a]anthracene	273		33	6.4
50-32-8	Benzo[a]pyrene	255		33	6.1
205-99-2	Benzo[b]fluoranthene	224		33	7.6
191-24-2	Benzo[g,h,i]perylene	324		33	6.5
207-08-9	Benzo[k]fluoranthene	252		33	9.2
65-85-0	Benzoic acid	157	J	170	14
119-61-9	Benzophenone	239		33	2.0
100-51-6	Benzyl alcohol	233		67	7.7
111-91-1	Bis(2-chloroethoxy)methane	208		33	6.0
111-44-4	Bis(2-chloroethyl)ether	171		33	8.1
117-81-7	Bis(2-ethylhexyl) phthalate	231		33	11
85-68-7	Butyl benzyl phthalate	238		33	7.3
105-60-2	Caprolactam	234		33	10
86-74-8	Carbazole	252		33	33
218-01-9	Chrysene	234		33	7.2
53-70-3	Dibenz(a,h)anthracene	340		33	6.7
132-64-9	Dibenzofuran	215		33	19
84-66-2	Diethyl phthalate	239		33	4.7
131-11-3	Dimethyl phthalate	231		33	4.9
84-74-2	Di-n-butyl phthalate	332		33	10
117-84-0	Di-n-octyl phthalate	236		33	9.4
101-84-8	Diphenyl oxide	208		33	10
206-44-0	Fluoranthene	237		33	21
86-73-7	Fluorene	261		33	13
118-74-1	Hexachlorobenzene	218		33	7.9
87-68-3	Hexachlorobutadiene	197		33	6.6
77-47-4	Hexachlorocyclopentadiene	247		67	9.1
67-72-1	Hexachloroethane	177		33	6.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: LCS 360-48703/2-A

Matrix: Solid | Lab File ID: J03009.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 15:20

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.: 49174 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	333		33	10
78-59-1	Isophorone	185		33	7.1
91-20-3	Naphthalene	196		80	74
98-95-3	Nitrobenzene	215		33	4.5
62-75-9	N-Nitrosodimethylamine	198		33	3.9
621-64-7	N-Nitrosodi-n-propylamine	203		33	3.8
86-30-6	N-Nitrosodiphenylamine	167		33	6.7
87-86-5	Pentachlorophenol	265		33	6.9
85-01-8	Phenanthrene	233		40	38
108-95-2	Phenol	174		33	4.2
129-00-0	Pyrene	252		33	8.8

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	68	30-130	
321-60-8	2-Fluorobiphenyl	62	30-130	
367-12-4	2-Fluorophenol	57	30-130	
4165-60-0	Nitrobenzene-d5	63	30-130	
4165-62-2	Phenol-d5	57	30-130	
1718-51-0	Terphenyl-d14	61	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03009.D		
Lims ID:	LCS 360-48703/2-A	Client ID:	
Inject. Date:	18-Sep-2009 15:20:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-48703/2-a		
Misc. Info.:	360-0001221-014		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49174	Lims Sample ID:	14
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\8270NDMA.m		
Last Update:	21-Sep-2009 07:38:53	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 07:38:53

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.420	6.419	0.001	91731	2.00	
* 2 Naphthalene-d8	136	7.747	7.746	0.001	189771	2.00	
* 3 Acenaphthene-d10	164	9.478	9.477	0.001	94933	2.00	
* 4 Phenanthrene-d10	188	10.921	10.920	0.001	164619	2.00	
* 5 Chrysene-d12	240	13.498	13.497	0.001	136986	2.00	
* 6 Perylene-d12	264	14.845	14.844	0.001	112514	2.00	
$ 7 2-Fluorophenol	112	4.703	4.654	0.049	165073	5.75	
$ 8 Phenol-d5	99	6.093	6.082	0.011	204064	5.74	
$ 9 Nitrobenzene-d5	82	7.026	7.025	0.001	92070	3.16	
$ 10 2-Fluorobiphenyl	172	8.838	8.842	-0.004	187815	3.12	
$ 11 2,4,6-Tribromophenol	330	10.252	10.251	0.001	44954	6.76	
$ 12 Terphenyl-d14	244	12.503	12.502	0.001	158594	3.03	
14 1,4-Dioxane	88	1.544	1.466	0.078	44330	4.11	
16 Pyridine	79	1.890	1.807	0.083	130153	4.57	
15 N-Nitrosodimethylamine	74	1.875	1.812	0.063	90037	5.95	
19 Aniline	93	6.054	6.048	0.006	109628	2.60	
18 Phenol	94	6.107	6.096	0.011	225594	5.22	
20 Bis(2-chloroethyl)ether	93	6.170	6.169	0.001	162046	5.13	
21 2-Chlorophenol	128	6.184	6.173	0.011	174744	5.70	
22 1,4-Dichlorobenzene	146	6.348	6.346	0.002	173917	4.85	
23 1,3-Dichlorobenzene	146	6.434	6.438	-0.004	178852	4.85	
25 1,2-Dichlorobenzene	146	6.598	6.597	0.001	171101	4.99	
24 Benzyl alcohol	79	6.612	6.606	0.006	162941	7.00	
26 2-Methylphenol	108	6.761	6.755	0.006	165724	6.12	
27 2,2'-oxybis[1-chloropropane]	45	6.771	6.770	0.001	169340	5.37	
30 Acetophenone	105	6.876	6.875	0.001	239316	5.86	
17 Benzaldehyde	105	6.876	6.875	0.001	239316	5.86	
29 N-Nitrosodi-n-propylamine	70	6.901	6.904	-0.003	124850	6.09	
28 3 & 4 Methylphenol	108	6.929	6.928	0.001	179520	6.36	
31 Hexachloroethane	117	6.949	6.948	0.001	69047	5.31	
32 Nitrobenzene	77	7.045	7.044	0.001	192808	6.44	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	7.304	7.303	0.001	294142	5.55	
34 2-Nitrophenol	139	7.377	7.376	0.001	87423	5.98	
35 2,4-Dimethylphenol	107	7.463	7.462	0.001	196607	8.50	
36 Benzoic acid	105	7.555	7.549	0.006	11791	4.72	
37 Bis(2-chloroethoxy)methane	93	7.555	7.553	0.002	198315	6.24	
38 2,4-Dichlorophenol	162	7.627	7.626	0.001	146580	6.97	
39 1,2,4-Trichlorobenzene	180	7.699	7.703	-0.004	141100	5.54	
41 Naphthalene	128	7.766	7.765	0.001	510430	5.87	
40 Alpha-Terpineol	59	7.809	7.808	0.001	117535	6.71	
42 4-Chloroaniline	127	7.848	7.847	0.001	190108	6.23	
43 Hexachlorobutadiene	225	7.915	7.914	0.001	79761	5.90	
44 Caprolactam	55	8.184	8.169	0.015	65270	7.02	
45 4-Chloro-3-methylphenol	107	8.358	8.357	0.001	177615	7.49	
46 2-Methylnaphthalene	142	8.463	8.462	0.001	341190	6.33	
47 1-Methylnaphthalene	142	8.560	8.559	0.001	343076	6.27	
48 Hexachlorocyclopentadiene	237	8.627	8.626	0.001	45191	7.40	
49 1,2,4,5-Tetrachlorobenzene	216	8.632	8.635	-0.003	134647	6.12	
50 2,4,6-Trichlorophenol	196	8.757	8.756	0.001	99261	7.56	
51 2,4,5-Trichlorophenol	196	8.790	8.789	0.001	108567	7.46	
52 1,1'-Biphenyl	154	8.930	8.934	-0.004	435240	6.53	
53 2-Chloronaphthalene	162	8.939	8.938	0.001	318709	5.01	
54 Phenyl ether	170	9.040	9.039	0.001	226711	6.23	
68 4-Nitroaniline	138	9.055	9.054	0.001	118333	6.87	
56 Dimethyl phthalate	163	9.257	9.256	0.001	396544	6.93	
63 2,4-Dinitrotoluene	165	9.305	9.304	0.001	86745	6.66	
58 Acenaphthylene	152	9.339	9.338	0.001	513484	6.84	
61 Acenaphthene	153	9.512	9.511	0.001	377890	7.26	
60 2,4-Dinitrophenol	184	9.569	9.568	0.001	10524	5.09	
62 4-Nitrophenol	109	9.651	9.650	0.001	57505	9.11	
64 Dibenzofuran	168	9.680	9.679	0.001	458259	6.45	
57 2,6-Dinitrotoluene	165	9.694	9.698	-0.004	114346	6.91	
65 2,3,4,6-Tetrachlorophenol	232	9.815	9.814	0.001	68089	6.42	
66 Diethyl phthalate	149	9.949	9.948	0.001	420588	7.18	
69 Fluorene	166	10.017	10.016	0.001	436096	7.84	
67 4-Chlorophenyl phenyl ether	204	10.036	10.035	0.001	177354	6.61	
59 3-Nitroaniline	138	10.050	10.049	0.001	92866	7.67	
70 4,6-Dinitro-2-methylphenol	198	10.089	10.093	-0.004	28257	5.42	
72 N-Nitrosodiphenylamine	169	10.151	10.150	0.001	241697	5.00	
73 1,2-Diphenylhydrazine	77	10.185	10.184	0.001	686071	7.16	
74 Azobenzene	77	10.185	10.184	0.001	686071	7.16	
13 Benzophenone	105	10.199	10.198	0.001	423695	7.16	
55 2-Nitroaniline	65	10.502	10.501	0.001	14170	6.49	
75 4-Bromophenyl phenyl ether	248	10.507	10.506	0.001	98238	6.68	
76 Hexachlorobenzene	284	10.550	10.549	0.001	102511	6.53	
77 Atrazine	200	10.699	10.694	0.005	113422	7.59	
78 Pentachlorophenol	266	10.752	10.757	-0.005	45477	7.95	
79 Pentachloronitrobenzene	237	10.767	10.766	0.001	47547	6.95	
80 Phenanthrene	178	10.945	10.944	0.001	584078	6.98	
81 Anthracene	178	10.993	10.992	0.001	603816	8.18	
83 Carbazole	167	11.161	11.165	-0.004	480035	7.56	
84 Di-n-butyl phthalate	149	11.551	11.550	0.001	889416	9.95	
87 Fluoranthene	202	12.099	12.098	0.001	526377	7.12	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	12.258	12.267	-0.009	8942	0.9896	
85 Pyrene	202	12.315	12.314	0.001	597298	7.55	
89 Butyl benzyl phthalate	149	13.008	13.007	0.001	294717	7.15	
91 3,3'-Dichlorobenzidine	252	13.489	13.488	0.001	136753	3.22	
93 Benzo[a]anthracene	228	13.489	13.488	0.001	479027	8.19	
94 Chrysene	228	13.522	13.521	0.001	444689	7.02	
92 Bis(2-ethylhexyl) phthalate	149	13.590	13.589	0.001	419565	6.94	
95 Di-n-octyl phthalate	149	14.205	14.204	0.001	647780	7.08	
97 Benzo[b]fluoranthene	252	14.503	14.497	0.006	431342	6.71	
98 Benzo[k]fluoranthene	252	14.527	14.526	0.001	467184	7.57	
99 Benzo[a]pyrene	252	14.797	14.791	0.006	373428	7.64	
100 Indeno[1,2,3-cd]pyrene	276	15.758	15.757	0.001	373695	9.98	
101 Dibenz(a,h)anthracene	278	15.778	15.777	0.001	302873	10.2	
102 Benzo[g,h,i]perylene	276	15.970	15.969	0.001	327544	9.73	

Report Date: 21-Sep-2009 07:38:54 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03009.D

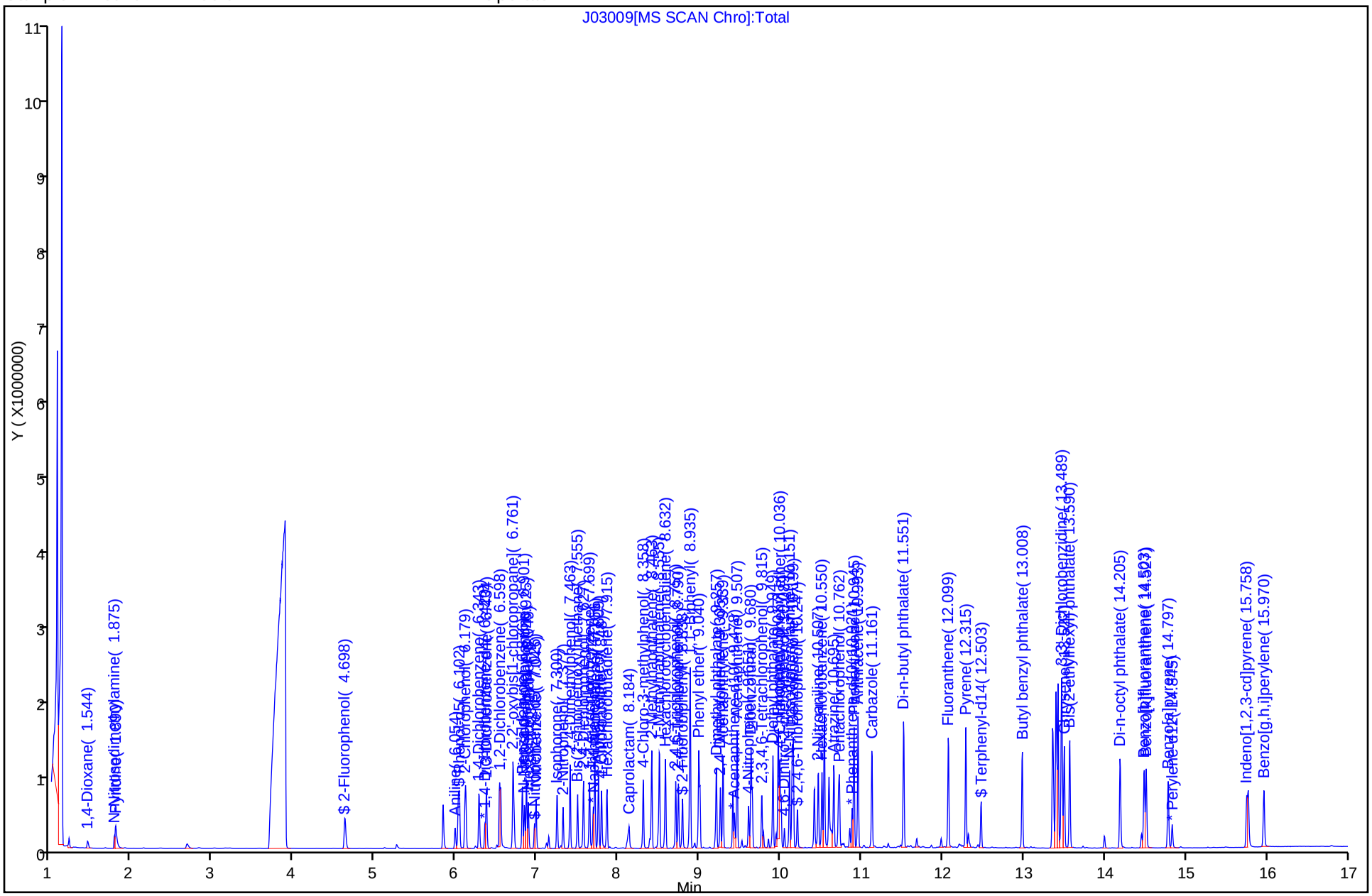
Inj Date: 18-Sep-2009 15:20:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49174 Lims Sample ID: 14

Client ID: Instrument: Inst. J

Sample Info: lcs 360-48703/2-a

Sample Amount: 1.00 uL Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: LCSD 360-48691/3-A

Matrix: Solid | Lab File ID: B10375.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.00(g) | Date Analyzed: 09/17/2009 20:56

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.: 49098 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	264		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	258		33	2.2
120-82-1	1,2,4-Trichlorobenzene	241		33	6.5
95-50-1	1,2-Dichlorobenzene	214		33	3.6
541-73-1	1,3-Dichlorobenzene	203		33	9.7
106-46-7	1,4-Dichlorobenzene	200		33	6.0
90-12-0	1-Methylnaphthalene	258		33	2.0
108-60-1	2,2'-oxybis[1-chloropropane]	215		33	3.4
58-90-2	2,3,4,6-Tetrachlorophenol	233		33	2.0
95-95-4	2,4,5-Trichlorophenol	310		33	3.8
88-06-2	2,4,6-Trichlorophenol	301		33	7.0
120-83-2	2,4-Dichlorophenol	307		33	6.4
105-67-9	2,4-Dimethylphenol	352		33	5.8
51-28-5	2,4-Dinitrophenol	210		33	4.9
121-14-2	2,4-Dinitrotoluene	258		33	4.7
606-20-2	2,6-Dinitrotoluene	285		33	4.2
91-58-7	2-Chloronaphthalene	214		33	5.1
95-57-8	2-Chlorophenol	228		33	3.3
91-57-6	2-Methylnaphthalene	271		33	25
95-48-7	2-Methylphenol	249		33	4.8
88-74-4	2-Nitroaniline	292		170	21
88-75-5	2-Nitrophenol	295		33	3.9
15831-10-4	3 & 4 Methylphenol	251		33	6.3
91-94-1	3,3'-Dichlorobenzidine	103		67	24
99-09-2	3-Nitroaniline	249		170	9.5
534-52-1	4,6-Dinitro-2-methylphenol	300		170	8.5
101-55-3	4-Bromophenyl phenyl ether	290		33	6.9
59-50-7	4-Chloro-3-methylphenol	329		67	9.2
106-47-8	4-Chloroaniline	248		67	14
7005-72-3	4-Chlorophenyl phenyl ether	284		33	5.3
100-01-6	4-Nitroaniline	298		170	8.9
100-02-7	4-Nitrophenol	304		170	6.5
83-32-9	Acenaphthene	318		33	4.9
208-96-8	Acenaphthylene	279		33	5.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: LCSD 360-48691/3-A

Matrix: Solid | Lab File ID: B10375.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.00(g) | Date Analyzed: 09/17/2009 20:56

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.: 49098 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	227		33	3.6
62-53-3	Aniline	107		33	17
120-12-7	Anthracene	331		33	11
1912-24-9	Atrazine	330		33	10
103-33-3	Azobenzene	281		33	4.1
100-52-7	Benzaldehyde	453		33	10
56-55-3	Benzo[a]anthracene	333		33	6.4
50-32-8	Benzo[a]pyrene	292		33	6.1
205-99-2	Benzo[b]fluoranthene	302		33	7.6
191-24-2	Benzo[g,h,i]perylene	304		33	6.5
207-08-9	Benzo[k]fluoranthene	327		33	9.2
65-85-0	Benzoic acid	222		170	14
119-61-9	Benzophenone	285		33	2.0
100-51-6	Benzyl alcohol	236		67	7.7
111-91-1	Bis(2-chloroethoxy)methane	259		33	6.0
111-44-4	Bis(2-chloroethyl)ether	205		33	8.1
117-81-7	Bis(2-ethylhexyl) phthalate	303		33	11
85-68-7	Butyl benzyl phthalate	297		33	7.3
105-60-2	Caprolactam	316		33	10
86-74-8	Carbazole	323		33	33
218-01-9	Chrysene	320		33	7.2
53-70-3	Dibenz(a,h)anthracene	293		33	6.7
132-64-9	Dibenzofuran	276		33	19
84-66-2	Diethyl phthalate	287		33	4.7
131-11-3	Dimethyl phthalate	275		33	4.9
84-74-2	Di-n-butyl phthalate	340		33	10
117-84-0	Di-n-octyl phthalate	260		33	9.4
101-84-8	Diphenyl oxide	263		33	10
206-44-0	Fluoranthene	300		33	21
86-73-7	Fluorene	334		33	13
118-74-1	Hexachlorobenzene	291		33	7.9
87-68-3	Hexachlorobutadiene	250		33	6.6
77-47-4	Hexachlorocyclopentadiene	258		67	9.1
67-72-1	Hexachloroethane	213		33	6.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: LCSD 360-48691/3-A

Matrix: Solid | Lab File ID: B10375.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 12:06

Sample wt/vol: 30.00(g) | Date Analyzed: 09/17/2009 20:56

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.: 49098 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	337		33	10
78-59-1	Isophorone	235		33	7.1
91-20-3	Naphthalene	307		80	74
98-95-3	Nitrobenzene	259		33	4.5
62-75-9	N-Nitrosodimethylamine	220		33	3.9
621-64-7	N-Nitrosodi-n-propylamine	237		33	3.8
86-30-6	N-Nitrosodiphenylamine	209		33	6.7
87-86-5	Pentachlorophenol	292		33	6.9
85-01-8	Phenanthrene	298		40	38
108-95-2	Phenol	238		33	4.2
129-00-0	Pyrene	296		33	8.8

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	73	30-130	
321-60-8	2-Fluorobiphenyl	72	30-130	
367-12-4	2-Fluorophenol	62	30-130	
4165-60-0	Nitrobenzene-d5	68	30-130	
4165-62-2	Phenol-d5	65	30-130	
1718-51-0	Terphenyl-d14	68	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\B10375.D		
Lims ID:	LCSD 360-48691/3-A	Client ID:	
Inject. Date:	17-Sep-2009 20:56:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-48691/3-a		
Misc. Info.:	360-0001208-005		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	49098	Lims Sample ID:	5
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090917-2.b\8270B.m		
Last Update:	18-Sep-2009 13:21:37	Calib Date:	17-Sep-2009 17:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090917-1.b\B10369.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 18-Sep-2009 13:21:37

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.257	8.260	-0.003	739455	2.00	
* 2 Naphthalene-d8	136	9.368	9.362	0.006	1527790	2.00	
* 3 Acenaphthene-d10	164	10.873	10.874	-0.001	657837	2.00	
* 4 Phenanthrene-d10	188	12.162	12.162	0.000	1110851	2.00	
* 5 Chrysene-d12	240	15.937	15.932	0.005	882304	2.00	
* 6 Perylene-d12	264	18.625	18.625	0.000	551412	2.00	
$ 7 2-Fluorophenol	112	7.079	7.007	0.072	1285682	6.17	
$ 8 Phenol-d5	99	7.887	7.854	0.033	1630862	6.55	
$ 9 Nitrobenzene-d5	82	8.738	8.729	0.009	713350	3.38	
$ 10 2-Fluorobiphenyl	172	10.257	10.258	-0.001	1543205	3.61	
$ 11 2,4,6-Tribromophenol	330	11.551	11.547	0.004	294027	7.31	
$ 12 Terphenyl-d14	244	13.965	13.961	0.004	1183008	3.38	
14 1,4-Dioxane	88	5.218	5.007	0.211	288499	3.70	M
15 N-Nitrosodimethylamine	42	5.617	5.459	0.158	1004710	6.60	M
16 Pyridine	79	5.675	5.517	0.158	957613	5.17	M
17 Benzaldehyde	105	7.877	7.854	0.023	1028184	13.6	
18 Phenol	94	7.896	7.868	0.028	1870019	7.14	
19 Aniline	93	7.964	7.940	0.024	855042	3.20	
20 Bis(2-chloroethyl)ether	93	7.992	7.969	0.023	1356290	6.16	
21 2-Chlorophenol	128	8.079	8.056	0.023	1499800	6.84	
22 1,4-Dichlorobenzene	146	8.214	8.195	0.019	1612485	6.00	
23 1,3-Dichlorobenzene	146	8.276	8.258	0.018	1703286	6.09	
24 Benzyl alcohol	79	8.353	8.334	0.019	1177514	7.08	
25 1,2-Dichlorobenzene	146	8.416	8.402	0.014	1655650	6.41	
26 2-Methylphenol	108	8.425	8.411	0.014	1546627	7.48	
27 2,2'-oxybis[1-chloropropane]	45	8.454	8.440	0.014	2524646	6.44	
28 3 & 4 Methylphenol	108	8.550	8.536	0.014	1525470	7.54	
29 N-Nitrosodi-n-propylamine	70	8.569	8.561	0.009	1056325	7.11	
30 Acetophenone	105	8.594	8.580	0.014	2044309	6.82	
31 Hexachloroethane	117	8.714	8.705	0.009	601848	6.38	
32 Nitrobenzene	77	8.752	8.743	0.009	1602750	7.78	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	8.945	8.936	0.009	2356352	7.06	
35 2,4-Dimethylphenol	107	9.012	9.003	0.009	1633488	10.6	
34 2-Nitrophenol	139	9.026	9.017	0.009	875960	8.86	
36 Benzoic acid	105	9.050	9.037	0.013	423600	6.67	M
37 Bis(2-chloroethoxy)methane	93	9.089	9.085	0.004	1614425	7.78	
38 2,4-Dichlorophenol	162	9.223	9.219	0.004	1343960	9.20	
39 1,2,4-Trichlorobenzene	180	9.305	9.301	0.004	1302544	7.22	
40 Alpha-Terpineol	59	9.348	9.344	0.004	1302951	8.27	
41 Naphthalene	128	9.387	9.383	0.004	4380739	9.22	
42 4-Chloroaniline	127	9.401	9.402	-0.001	1924115	7.45	
43 Hexachlorobutadiene	225	9.464	9.465	-0.001	671985	7.49	
44 Caprolactam	55	9.714	9.691	0.023	766880	9.49	
45 4-Chloro-3-methylphenol	107	9.781	9.772	0.009	1407166	9.87	
46 2-Methylnaphthalene	142	9.969	9.969	0.000	3061143	8.12	
47 1-Methylnaphthalene	142	10.060	10.061	-0.001	2933657	7.75	
48 Hexachlorocyclopentadiene	237	10.094	10.095	-0.001	412829	7.73	
49 1,2,4,5-Tetrachlorobenzene	216	10.113	10.114	-0.001	1225599	7.74	
50 2,4,6-Trichlorophenol	196	10.195	10.191	0.004	894618	9.04	
51 2,4,5-Trichlorophenol	196	10.238	10.229	0.009	958621	9.31	
52 1,1'-Biphenyl	154	10.354	10.354	0.000	3708972	7.93	
53 2-Chloronaphthalene	162	10.397	10.397	0.000	2809979	6.42	
54 Phenyl ether	170	10.435	10.431	0.004	2038494	7.88	
68 4-Nitroaniline	138	10.464	10.460	0.004	1119421	8.95	
56 Dimethyl phthalate	163	10.570	10.571	-0.001	3396274	8.25	
57 2,6-Dinitrotoluene	165	10.647	10.643	0.004	801164	8.55	
58 Acenaphthylene	152	10.762	10.763	-0.001	4451105	8.36	
59 3-Nitroaniline	138	10.810	10.806	0.004	739438	7.47	
60 2,4-Dinitrophenol	184	10.892	10.888	0.004	173139	6.30	
62 4-Nitrophenol	109	10.907	10.893	0.014	542816	9.12	
61 Acenaphthene	153	10.907	10.902	0.005	3644390	9.55	
63 2,4-Dinitrotoluene	165	10.993	10.989	0.004	1031524	7.74	
64 Dibenzofuran	168	11.046	11.047	-0.001	4021381	8.27	
65 2,3,4,6-Tetrachlorophenol	232	11.137	11.133	0.004	610150	6.99	
66 Diethyl phthalate	149	11.157	11.152	0.005	3579176	8.61	
67 4-Chlorophenyl phenyl ether	204	11.301	11.302	-0.001	1592242	8.51	
55 2-Nitroaniline	65	11.335	11.330	0.005	1018865	8.75	
69 Fluorene	166	11.344	11.340	0.004	4135914	10.0	
70 4,6-Dinitro-2-methylphenol	198	11.349	11.345	0.004	447673	8.99	
72 N-Nitrosodiphenylamine	169	11.397	11.393	0.004	2226293	6.26	
73 1,2-Diphenylhydrazine	77	11.440	11.441	-0.001	5440112	8.43	
74 Azobenzene	77	11.440	11.441	-0.001	5440112	8.43	
13 Benzophenone	105	11.450	11.451	-0.001	3453110	8.54	
75 4-Bromophenyl phenyl ether	248	11.724	11.725	-0.001	857107	8.70	
77 Atrazine	200	11.806	11.802	0.004	1001134	9.90	
76 Hexachlorobenzene	284	11.820	11.816	0.004	806580	8.72	
78 Pentachlorophenol	266	11.974	11.970	0.004	462654	8.75	
79 Pentachloronitrobenzene	237	11.984	11.980	0.004	380482	7.98	
80 Phenanthrene	178	12.186	12.182	0.004	5066744	8.95	
81 Anthracene	178	12.234	12.230	0.004	5261731	9.93	
83 Carbazole	167	12.359	12.355	0.004	4191615	9.68	
84 Di-n-butyl phthalate	149	12.580	12.581	-0.001	6934118	10.2	
87 Fluoranthene	202	13.498	13.494	0.004	4592419	8.99	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	13.609	13.600	0.009	25527	1.79	
85 Pyrene	202	13.845	13.836	0.009	5200609	8.88	
89 Butyl benzyl phthalate	149	14.778	14.778	0.000	2392604	8.91	
92 Bis(2-ethylhexyl) phthalate	149	15.792	15.793	-0.001	3526272	9.09	
91 3,3'-Dichlorobenzidine	252	15.831	15.827	0.004	858949	3.09	
93 Benzo[a]anthracene	228	15.917	15.913	0.004	3851750	9.99	
94 Chrysene	228	15.980	15.971	0.009	3613887	9.61	
95 Di-n-octyl phthalate	149	16.860	16.861	0.000	5102671	7.81	
97 Benzo[b]fluoranthene	252	17.807	17.798	0.009	2858602	9.05	
98 Benzo[k]fluoranthene	252	17.860	17.851	0.009	2874035	9.80	
99 Benzo[a]pyrene	252	18.509	18.500	0.009	2307149	8.76	
100 Indeno[1,2,3-cd]pyrene	276	21.428	21.419	0.009	1600737	10.1	
101 Dibenz(a,h)anthracene	278	21.447	21.438	0.009	1277746	8.79	
102 Benzo[g,h,i]perylene	276	22.289	22.275	0.014	1297467	9.13	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 18-Sep-2009 13:21:38 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090917-2.b\B10375.D

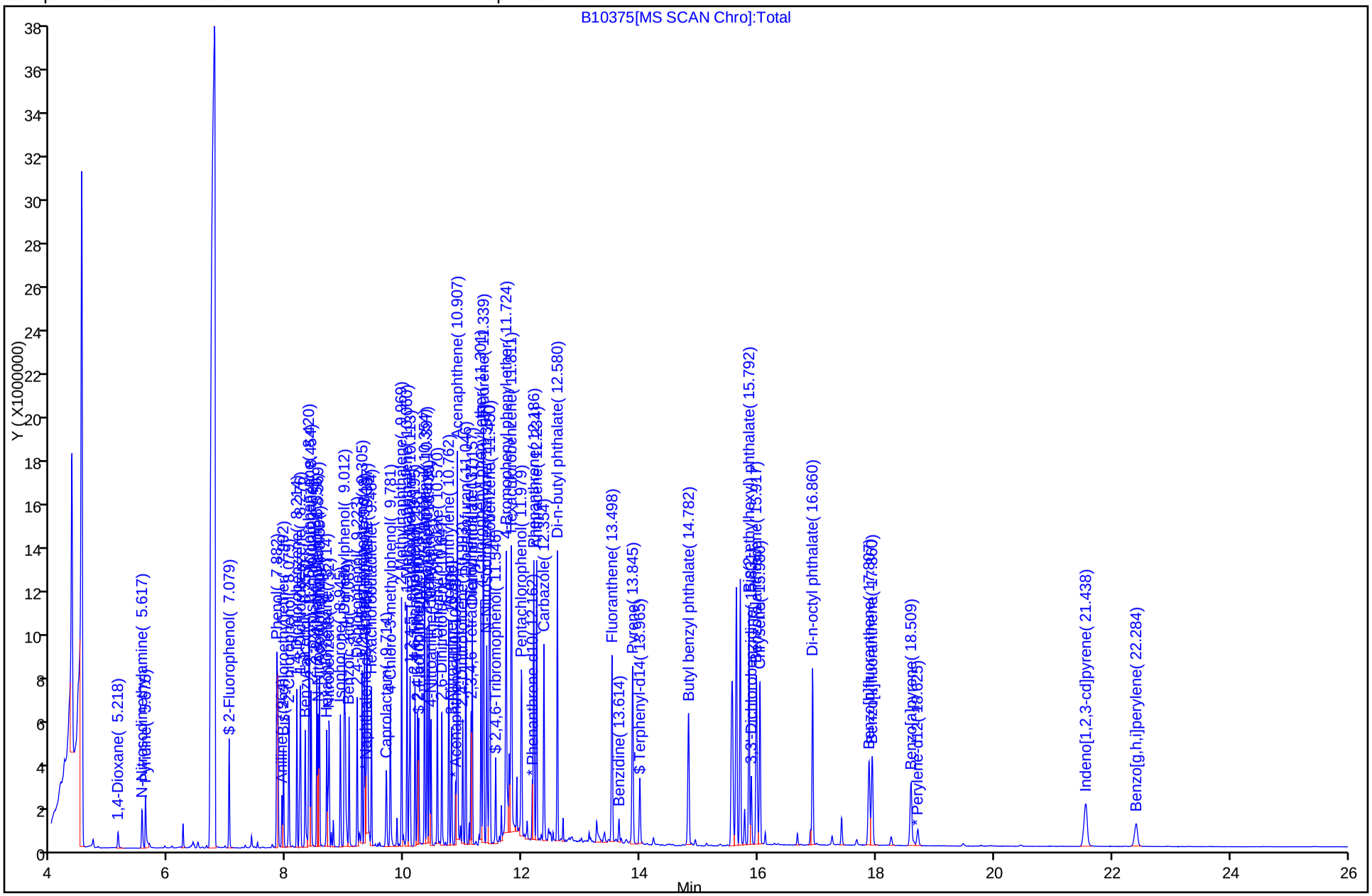
Inj Date: 17-Sep-2009 20:56:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49098 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: lcsd 360-48691/3-a

Sample Amount: 1.00 uL Operator: MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: LCSD 360-48703/3-A

Matrix: Solid | Lab File ID: J03010.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 15:47

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.: 49174 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	217		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	210		33	2.2
120-82-1	1,2,4-Trichlorobenzene	191		33	6.5
95-50-1	1,2-Dichlorobenzene	167		33	3.6
541-73-1	1,3-Dichlorobenzene	166		33	9.7
106-46-7	1,4-Dichlorobenzene	165		33	6.0
90-12-0	1-Methylnaphthalene	212		33	2.0
108-60-1	2,2'-oxybis[1-chloropropane]	183		33	3.4
58-90-2	2,3,4,6-Tetrachlorophenol	220		33	2.0
95-95-4	2,4,5-Trichlorophenol	249		33	3.8
88-06-2	2,4,6-Trichlorophenol	270		33	7.0
120-83-2	2,4-Dichlorophenol	241		33	6.4
105-67-9	2,4-Dimethylphenol	292		33	5.8
51-28-5	2,4-Dinitrophenol	162		33	4.9
121-14-2	2,4-Dinitrotoluene	232		33	4.7
606-20-2	2,6-Dinitrotoluene	241		33	4.2
91-58-7	2-Chloronaphthalene	170		33	5.1
95-57-8	2-Chlorophenol	194		33	3.3
91-57-6	2-Methylnaphthalene	218		33	25
95-48-7	2-Methylphenol	206		33	4.8
88-74-4	2-Nitroaniline	227		170	21
88-75-5	2-Nitrophenol	210		33	3.9
15831-10-4	3 & 4 Methylphenol	215		33	6.3
91-94-1	3,3'-Dichlorobenzidine	110		67	24
99-09-2	3-Nitroaniline	261		170	9.5
534-52-1	4,6-Dinitro-2-methylphenol	179		170	8.5
101-55-3	4-Bromophenyl phenyl ether	230		33	6.9
59-50-7	4-Chloro-3-methylphenol	266		67	9.2
106-47-8	4-Chloroaniline	219		67	14
7005-72-3	4-Chlorophenyl phenyl ether	229		33	5.3
100-01-6	4-Nitroaniline	243		170	8.9
100-02-7	4-Nitrophenol	328		170	6.5
83-32-9	Acenaphthene	252		33	4.9
208-96-8	Acenaphthylene	237		33	5.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: LCSD 360-48703/3-A

Matrix: Solid | Lab File ID: J03010.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 15:47

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.: 49174 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	196		33	3.6
62-53-3	Aniline	88.6		33	17
120-12-7	Anthracene	281		33	11
1912-24-9	Atrazine	257		33	10
103-33-3	Azobenzene	244		33	4.1
100-52-7	Benzaldehyde	196		33	10
56-55-3	Benzo[a]anthracene	290		33	6.4
50-32-8	Benzo[a]pyrene	265		33	6.1
205-99-2	Benzo[b]fluoranthene	241		33	7.6
191-24-2	Benzo[g,h,i]perylene	323		33	6.5
207-08-9	Benzo[k]fluoranthene	262		33	9.2
65-85-0	Benzoic acid	154	J	170	14
119-61-9	Benzophenone	247		33	2.0
100-51-6	Benzyl alcohol	239		67	7.7
111-91-1	Bis(2-chloroethoxy)methane	217		33	6.0
111-44-4	Bis(2-chloroethyl)ether	174		33	8.1
117-81-7	Bis(2-ethylhexyl) phthalate	234		33	11
85-68-7	Butyl benzyl phthalate	242		33	7.3
105-60-2	Caprolactam	240		33	10
86-74-8	Carbazole	265		33	33
218-01-9	Chrysene	238		33	7.2
53-70-3	Dibenz(a,h)anthracene	338		33	6.7
132-64-9	Dibenzofuran	223		33	19
84-66-2	Diethyl phthalate	252		33	4.7
131-11-3	Dimethyl phthalate	238		33	4.9
84-74-2	Di-n-butyl phthalate	345		33	10
117-84-0	Di-n-octyl phthalate	247		33	9.4
101-84-8	Diphenyl oxide	213		33	10
206-44-0	Fluoranthene	250		33	21
86-73-7	Fluorene	271		33	13
118-74-1	Hexachlorobenzene	227		33	7.9
87-68-3	Hexachlorobutadiene	201		33	6.6
77-47-4	Hexachlorocyclopentadiene	254		67	9.1
67-72-1	Hexachloroethane	180		33	6.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24327-2

SDG No.: OCRI-07A

Client Sample ID: | Lab Sample ID: LCSD 360-48703/3-A

Matrix: Solid | Lab File ID: J03010.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/08/2009 14:52

Sample wt/vol: 30.00(g) | Date Analyzed: 09/18/2009 15:47

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.: 49174 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	335		33	10
78-59-1	Isophorone	191		33	7.1
91-20-3	Naphthalene	202		80	74
98-95-3	Nitrobenzene	225		33	4.5
62-75-9	N-Nitrosodimethylamine	199		33	3.9
621-64-7	N-Nitrosodi-n-propylamine	205		33	3.8
86-30-6	N-Nitrosodiphenylamine	175		33	6.7
87-86-5	Pentachlorophenol	268		33	6.9
85-01-8	Phenanthrene	240		40	38
108-95-2	Phenol	175		33	4.2
129-00-0	Pyrene	259		33	8.8

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	70	30-130	
321-60-8	2-Fluorobiphenyl	62	30-130	
367-12-4	2-Fluorophenol	57	30-130	
4165-60-0	Nitrobenzene-d5	65	30-130	
4165-62-2	Phenol-d5	58	30-130	
1718-51-0	Terphenyl-d14	62	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03010.D		
Lims ID:	LCSD 360-48703/3-A	Client ID:	
Inject. Date:	18-Sep-2009 15:47:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-48703/3-a		
Misc. Info.:	360-0001221-015		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49174	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090918-1.b\8270NDMA.m		
Last Update:	21-Sep-2009 07:39:36	Calib Date:	15-Sep-2009 21:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090915-1.b\J02956.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 21-Sep-2009 07:39:36

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.415	6.419	-0.004	96174	2.00	
* 2 Naphthalene-d8	136	7.747	7.746	0.001	193532	2.00	
* 3 Acenaphthene-d10	164	9.478	9.477	0.001	97256	2.00	
* 4 Phenanthrene-d10	188	10.921	10.920	0.001	166384	2.00	
* 5 Chrysene-d12	240	13.498	13.497	0.001	142067	2.00	
* 6 Perylene-d12	264	14.845	14.844	0.001	113959	2.00	
$ 7 2-Fluorophenol	112	4.698	4.654	0.044	171373	5.69	
$ 8 Phenol-d5	99	6.093	6.082	0.011	214408	5.76	
$ 9 Nitrobenzene-d5	82	7.025	7.025	0.000	96335	3.24	
$ 10 2-Fluorobiphenyl	172	8.838	8.842	-0.004	191536	3.10	
$ 11 2,4,6-Tribromophenol	330	10.252	10.251	0.001	47385	7.05	
$ 12 Terphenyl-d14	244	12.503	12.502	0.001	168051	3.09	
14 1,4-Dioxane	88	1.548	1.466	0.082	45831	4.05	
16 Pyridine	79	1.890	1.807	0.083	137382	4.60	
15 N-Nitrosodimethylamine	74	1.875	1.812	0.063	94703	5.97	
19 Aniline	93	6.049	6.048	0.001	117466	2.66	
18 Phenol	94	6.102	6.096	0.006	238236	5.26	
20 Bis(2-chloroethyl)ether	93	6.169	6.169	0.000	173289	5.23	
21 2-Chlorophenol	128	6.179	6.173	0.006	186913	5.81	
22 1,4-Dichlorobenzene	146	6.343	6.346	-0.003	186194	4.95	
23 1,3-Dichlorobenzene	146	6.434	6.438	-0.004	192273	4.98	
25 1,2-Dichlorobenzene	146	6.593	6.597	-0.004	180520	5.02	
24 Benzyl alcohol	79	6.612	6.606	0.006	175089	7.17	
26 2-Methylphenol	108	6.761	6.755	0.006	175702	6.19	
27 2,2'-oxybis[1-chloropropane]	45	6.771	6.770	0.001	181754	5.50	
30 Acetophenone	105	6.876	6.875	0.001	252299	5.89	
17 Benzaldehyde	105	6.876	6.875	0.001	252299	5.89	
29 N-Nitrosodi-n-propylamine	70	6.900	6.904	-0.004	132315	6.15	
28 3 & 4 Methylphenol	108	6.924	6.928	-0.004	190998	6.45	
31 Hexachloroethane	117	6.949	6.948	0.000	73514	5.39	
32 Nitrobenzene	77	7.045	7.044	0.001	205829	6.74	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	7.300	7.303	-0.003	309337	5.73	
34 2-Nitrophenol	139	7.376	7.376	0.000	93908	6.29	
35 2,4-Dimethylphenol	107	7.463	7.462	0.001	206610	8.75	
36 Benzoic acid	105	7.559	7.549	0.010	11337	4.61	
37 Bis(2-chloroethoxy)methane	93	7.554	7.553	0.001	211355	6.52	
38 2,4-Dichlorophenol	162	7.627	7.626	0.001	155106	7.23	
39 1,2,4-Trichlorobenzene	180	7.699	7.703	-0.004	149012	5.74	
41 Naphthalene	128	7.766	7.765	0.001	537973	6.06	
40 Alpha-Terpineol	59	7.809	7.808	0.001	126123	7.06	
42 4-Chloroaniline	127	7.848	7.847	0.001	204812	6.58	
43 Hexachlorobutadiene	225	7.915	7.914	0.001	83233	6.03	
44 Caprolactam	55	8.184	8.169	0.015	68323	7.21	
45 4-Chloro-3-methylphenol	107	8.357	8.357	0.000	193408	7.99	
46 2-Methylnaphthalene	142	8.463	8.462	0.001	360155	6.55	
47 1-Methylnaphthalene	142	8.559	8.559	0.000	354441	6.35	
48 Hexachlorocyclopentadiene	237	8.627	8.626	0.001	47802	7.62	
49 1,2,4,5-Tetrachlorobenzene	216	8.632	8.635	-0.003	141260	6.30	
50 2,4,6-Trichlorophenol	196	8.757	8.756	0.001	109090	8.10	
51 2,4,5-Trichlorophenol	196	8.790	8.789	0.001	111189	7.46	
52 1,1'-Biphenyl	154	8.930	8.934	-0.004	445131	6.51	
53 2-Chloronaphthalene	162	8.939	8.938	0.001	332787	5.11	
54 Phenyl ether	170	9.040	9.039	0.001	236469	6.38	
68 4-Nitroaniline	138	9.055	9.054	0.001	128605	7.29	
56 Dimethyl phthalate	163	9.257	9.256	0.001	418445	7.14	
63 2,4-Dinitrotoluene	165	9.305	9.304	0.001	92729	6.95	
58 Acenaphthylene	152	9.338	9.338	0.000	546391	7.10	
61 Acenaphthene	153	9.512	9.511	0.001	402717	7.55	
60 2,4-Dinitrophenol	184	9.569	9.568	0.001	9599	4.87	
62 4-Nitrophenol	109	9.651	9.650	0.001	65104	9.85	
64 Dibenzofuran	168	9.680	9.679	0.001	486730	6.69	
57 2,6-Dinitrotoluene	165	9.694	9.698	-0.004	122942	7.24	
65 2,3,4,6-Tetrachlorophenol	232	9.815	9.814	0.001	71725	6.60	
66 Diethyl phthalate	149	9.949	9.948	0.001	454160	7.57	
69 Fluorene	166	10.017	10.016	0.001	463642	8.14	
67 4-Chlorophenyl phenyl ether	204	10.036	10.035	0.001	188636	6.86	
59 3-Nitroaniline	138	10.050	10.049	0.001	97235	7.83	
70 4,6-Dinitro-2-methylphenol	198	10.093	10.093	0.000	28167	5.37	
72 N-Nitrosodiphenylamine	169	10.151	10.150	0.001	255977	5.24	
73 1,2-Diphenylhydrazine	77	10.185	10.184	0.001	708039	7.31	
74 Azobenzene	77	10.185	10.184	0.001	708039	7.31	
13 Benzophenone	105	10.199	10.198	0.001	443023	7.41	
55 2-Nitroaniline	65	10.502	10.501	0.001	15238	6.81	
75 4-Bromophenyl phenyl ether	248	10.507	10.506	0.001	102466	6.90	
76 Hexachlorobenzene	284	10.550	10.549	0.001	108134	6.82	
77 Atrazine	200	10.695	10.694	0.001	116439	7.71	
78 Pentachlorophenol	266	10.752	10.757	-0.005	46558	8.03	
79 Pentachloronitrobenzene	237	10.767	10.766	0.001	51013	7.38	
80 Phenanthrene	178	10.945	10.944	0.001	609679	7.21	
81 Anthracene	178	10.993	10.992	0.001	628830	8.43	
83 Carbazole	167	11.166	11.165	0.001	510439	7.95	
84 Di-n-butyl phthalate	149	11.551	11.550	0.001	934096	10.3	
87 Fluoranthene	202	12.099	12.098	0.001	560673	7.50	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	12.257	12.267	-0.010	12360	1.05	
85 Pyrene	202	12.315	12.314	0.001	636665	7.76	
89 Butyl benzyl phthalate	149	13.008	13.007	0.001	310543	7.26	
91 3,3'-Dichlorobenzidine	252	13.488	13.488	0.000	145965	3.31	
93 Benzo[a]anthracene	228	13.488	13.488	0.000	527301	8.69	
94 Chrysene	228	13.522	13.521	0.001	469607	7.14	
92 Bis(2-ethylhexyl) phthalate	149	13.589	13.589	0.000	440738	7.03	
95 Di-n-octyl phthalate	149	14.205	14.204	0.001	692157	7.40	
97 Benzo[b]fluoranthene	252	14.503	14.497	0.006	470089	7.22	
98 Benzo[k]fluoranthene	252	14.527	14.526	0.001	490673	7.85	
99 Benzo[a]pyrene	252	14.796	14.791	0.005	393564	7.95	
100 Indeno[1,2,3-cd]pyrene	276	15.763	15.757	0.006	381426	10.1	
101 Dibenz(a,h)anthracene	278	15.777	15.777	0.000	305167	10.1	
102 Benzo[g,h,i]perylene	276	15.970	15.969	0.001	330741	9.70	

Report Date: 21-Sep-2009 07:39:37 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090918-1.b\J03010.D

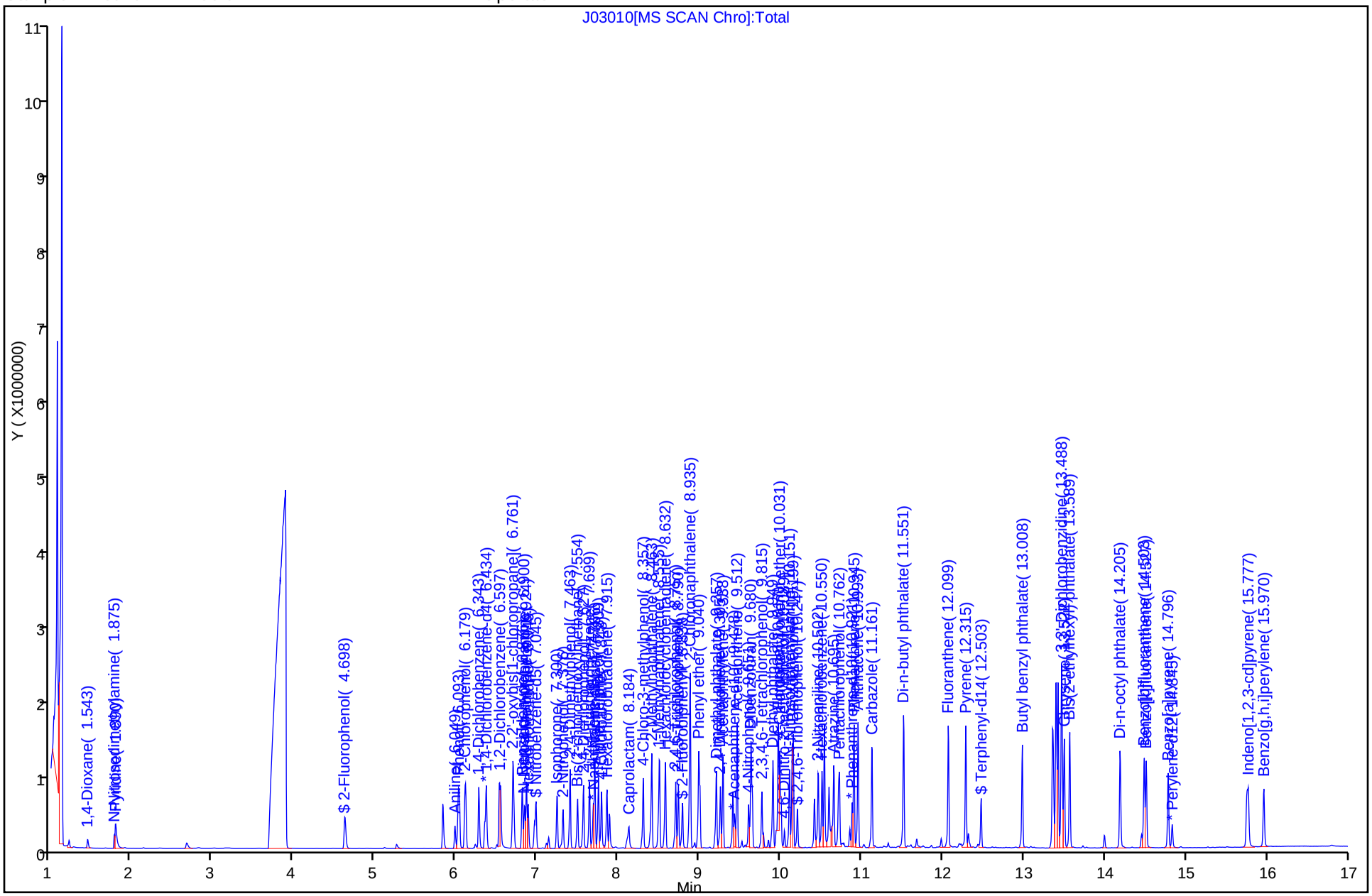
Inj Date: 18-Sep-2009 15:47:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49174 Lims Sample ID: 15

Client ID: Instrument: Inst. J

Sample Info: lcsd 360-48703/3-a

Sample Amount: 1.00 uL Operator:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Instrument ID: Inst. B Start Date: 09/17/2009 12:27

Analysis Batch Number: 49097 End Date: 09/17/2009 18:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49097/1		09/17/2009 12:27	1	B10360.D	Rtx-5ms 0.25(um)
STD5 360-49097/2 ICIS		09/17/2009 13:00	1	B10361.D	Rtx-5ms 0.25(um)
STD01 360-49097/3 IC		09/17/2009 13:34	1	B10362.D	Rtx-5ms 0.25(um)
STD025 360-49097/4 IC		09/17/2009 14:08	1	B10363.D	Rtx-5ms 0.25(um)
STD05 360-49097/5 IC		09/17/2009 14:42	1	B10364.D	Rtx-5ms 0.25(um)
STD1 360-49097/6 IC		09/17/2009 15:16	1	B10365.D	Rtx-5ms 0.25(um)
STD25 360-49097/7 IC		09/17/2009 15:50	1	B10366.D	Rtx-5ms 0.25(um)
STD8 360-49097/8 IC		09/17/2009 16:24	1	B10367.D	Rtx-5ms 0.25(um)
STD10 360-49097/9 IC		09/17/2009 16:58	1	B10368.D	Rtx-5ms 0.25(um)
STD20 360-49097/10 IC		09/17/2009 17:32	1	B10369.D	Rtx-5ms 0.25(um)
ICV 360-49097/11		09/17/2009 18:06	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Instrument ID: Inst. B Start Date: 09/17/2009 18:40

Analysis Batch Number: 49098 End Date: 09/18/2009 06:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49098/1		09/17/2009 18:40	1	B10371.D	Rtx-5ms 0.25(um)
CCV 360-49098/2 CCVIS		09/17/2009 19:14	1	B10372.D	Rtx-5ms 0.25(um)
MB 360-48691/1-A		09/17/2009 19:48	1	B10373.D	Rtx-5ms 0.25(um)
LCS 360-48691/2-A		09/17/2009 20:22	1	B10374.D	Rtx-5ms 0.25(um)
LCSD 360-48691/3-A		09/17/2009 20:56	1	B10375.D	Rtx-5ms 0.25(um)
ZZZZZ		09/17/2009 21:30	1		Rtx-5ms 0.25(um)
ZZZZZ		09/17/2009 22:04	1		Rtx-5ms 0.25(um)
ZZZZZ		09/17/2009 22:38	1		Rtx-5ms 0.25(um)
ZZZZZ		09/17/2009 23:12	1		Rtx-5ms 0.25(um)
ZZZZZ		09/17/2009 23:46	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 00:19	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 00:53	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 01:27	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 02:01	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 02:34	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 03:08	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 03:42	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 04:15	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 04:49	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 05:23	1		Rtx-5ms 0.25(um)
360-24327-2	OC-SB-403-13/15-XXX	09/18/2009 05:56	1	B10391.D	Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 06:30	10		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Instrument ID: Inst. J Start Date: 09/15/2009 16:58

Analysis Batch Number: 48992 End Date: 09/15/2009 23:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-48992/1		09/15/2009 16:58	1	J02947.D	Rtx-5ms 0.25(um)
STD5 360-48992/2 ICIS		09/15/2009 17:27	1	J02948.D	Rtx-5ms 0.25(um)
STD01 360-48992/3 IC		09/15/2009 17:57	1	J02949.D	Rtx-5ms 0.25(um)
STD025 360-48992/4 IC		09/15/2009 18:26	1	J02950.D	Rtx-5ms 0.25(um)
STD050 360-48992/5 IC		09/15/2009 18:55	1	J02951.D	Rtx-5ms 0.25(um)
STD1 360-48992/6 IC		09/15/2009 19:25	1	J02952.D	Rtx-5ms 0.25(um)
STD25 360-48992/7 IC		09/15/2009 19:54	1	J02953.D	Rtx-5ms 0.25(um)
STD8 360-48992/8 IC		09/15/2009 20:24	1	J02954.D	Rtx-5ms 0.25(um)
STD10 360-48992/9 IC		09/15/2009 20:53	1	J02955.D	Rtx-5ms 0.25(um)
STD20 360-48992/10 IC		09/15/2009 21:23	1	J02956.D	Rtx-5ms 0.25(um)
ICV 360-48992/11		09/15/2009 21:52	1		Rtx-5ms 0.25(um)
MDLV 360-48992/12		09/15/2009 22:22	1		Rtx-5ms 0.25(um)
MDLV 360-48992/13		09/15/2009 22:52	1		Rtx-5ms 0.25(um)
MDLV 360-48992/14		09/15/2009 23:22	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Instrument ID: Inst. J Start Date: 09/17/2009 11:47

Analysis Batch Number: 49095 End Date: 09/17/2009 17:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49095/1		09/17/2009 11:47	1	J02993.D	Rtx-5ms 0.25(um)
CCV 360-49095/2 CCVIS		09/17/2009 12:17	1	J02994.D	Rtx-5ms 0.25(um)
ZZZZZ		09/17/2009 13:21	5		Rtx-5ms 0.25(um)
ZZZZZ		09/17/2009 13:50	1		Rtx-5ms 0.25(um)
ZZZZZ		09/17/2009 14:19	1		Rtx-5ms 0.25(um)
ZZZZZ		09/17/2009 14:48	1		Rtx-5ms 0.25(um)
ZZZZZ		09/17/2009 15:18	1		Rtx-5ms 0.25(um)
ZZZZZ		09/17/2009 15:47	1		Rtx-5ms 0.25(um)
ZZZZZ		09/17/2009 16:16	1		Rtx-5ms 0.25(um)
360-24327-4	OC-SB-404-13/15-XXX	09/17/2009 16:45	1	J03002.D	Rtx-5ms 0.25(um)
ZZZZZ		09/17/2009 17:14	1		Rtx-5ms 0.25(um)
ZZZZZ		09/17/2009 17:44	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Instrument ID: Inst. J Start Date: 09/18/2009 13:59

Analysis Batch Number: 49174 End Date: 09/19/2009 01:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49174/1		09/18/2009 13:59	1	J03006.D	Rtx-5ms 0.25(um)
CCV 360-49174/2 CCVIS		09/18/2009 14:26	1	J03007.D	Rtx-5ms 0.25(um)
MB 360-48703/1-A		09/18/2009 14:53	1	J03008.D	Rtx-5ms 0.25(um)
LCS 360-48703/2-A		09/18/2009 15:20	1	J03009.D	Rtx-5ms 0.25(um)
LCSD 360-48703/3-A		09/18/2009 15:47	1	J03010.D	Rtx-5ms 0.25(um)
360-24327-7	OC-SB-409-15/17-XXX	09/18/2009 16:14	1	J03011.D	Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 16:41	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 17:08	10		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 17:35	50		Rtx-5ms 0.25(um)
360-24327-10	OC-SB-410-17/19-XXX	09/18/2009 18:02	1	J03015.D	Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 18:29	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 18:56	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 19:23	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 19:51	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 20:18	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 20:45	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 21:13	1		Rtx-5ms 0.25(um)
360-24327-16	OC-SB-418-15/17-XXX	09/18/2009 21:40	1	J03023.D	Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 22:07	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 22:34	10		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 23:02	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 23:29	1		Rtx-5ms 0.25(um)
ZZZZZ		09/18/2009 23:56	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 00:23	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 00:50	1		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 01:17	10		Rtx-5ms 0.25(um)
ZZZZZ		09/19/2009 01:44	1		Rtx-5ms 0.25(um)

Organic Prep Worksheet

Batch Number: 360-48691
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 08 2009 12:06PM
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~360-48691/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-48691/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-48691/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24309-A-12	OC-SB-414-0.0/1.0-XXX		T	30.06 g	1.0 mL	50 uL		
360-24309-A-13	OC-SB-414-20/22-XXX		T	30.05 g	1.0 mL	50 uL		
360-24309-A-14	OC-SB-414-6.0/8.0-XXX		T	30.05 g	1.0 mL	50 uL		
360-24309-A-15	OC-SB-422-0.0/1.0-XXX		T	30.60 g	1.0 mL	50 uL		
360-24309-A-16	OC-SB-422-13/15-XXX		T	30.55 g	1.0 mL	50 uL		
360-24309-A-17	OC-SB-422-6.0/8.0-XXX		T	30.57 g	1.0 mL	50 uL		
360-24309-A-18	OC-SB-429-16/18-XXX		T	30.13 g	1.0 mL	50 uL		
360-24309-A-19	OC-SB-429-6.0/8.0-XXX		T	30.24 g	1.0 mL	50 uL		
360-24309-A-20	OC-SB-430-0.0/1.0-XXX		T	30.66 g	1.0 mL	50 uL		
360-24309-A-21	OC-SB-430-19/21-XXX		T	30.57 g	1.0 mL	50 uL		
360-24309-A-22	OC-SB-430-8.0/10-DUP		T	30.80 g	1.0 mL	50 uL		
360-24309-A-23	OC-SB-430-8.0/10-XXX		T	30.25 g	1.0 mL	50 uL		
360-24309-A-23~MS	OC-SB-430-8.0/10-XMS		T	30.68 g	1.0 mL	50 uL	.100 mL	100 uL
360-24309-A-23~MSD	OC-SB-430-8.0/10-MSD		T	30.41 g	1.0 mL	50 uL	.100 mL	100 uL
360-24327-A-1	OC-SB-403-0.0/1.0-XXX		T	30.34 g	1.0 mL	50 uL		
360-24327-A-2	OC-SB-403-13/15-XXX		T	30.05 g	1.0 mL	50 uL		
360-24327-A-3	OC-SB-403-6.0/8.0-XXX		T	30.02 g	1.0 mL	50 uL		
360-24327-A-4	OC-SB-404-13/15-XXX		T	30.25 g	1.0 mL	50 uL		
360-24327-A-5	OC-SB-404-5.0/7.0-XXX		T	30.45 g	1.0 mL	50 uL		
360-24327-A-6	OC-SB-409-0.0/1.0-XXX		T	30.58 g	1.0 mL	50 uL		
360-24309-A-13	OC-SB-414-20/22-XXX		T	30.05 g	1.0 mL	50 uL		
360-24309-A-16	OC-SB-422-13/15-XXX		T	30.55 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48691
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 08 2009 12:06PM
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
360-24309-A-18	OC-SB-429-16/18-XXX		T	30.13 g	1.0 mL	50 uL		
360-24309-A-21	OC-SB-430-19/21-XXX		T	30.57 g	1.0 mL	50 uL		
360-24327-A-2	OC-SB-403-13/15-XXX	3546, 8270C LL	T	30.05 g	1.0 mL	50 uL		
360-24327-A-4	OC-SB-404-13/15-XXX	3546, 8270C LL	T	30.25 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48703
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 08 2009 2:52PM
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~360-48703/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-48703/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-48703/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24327-A-7	OC-SB-409-15/17-XXX		T	30.38 g	1.0 mL	50 uL		
360-24327-A-8	OC-SB-409-6.0/8.0-XXX		T	30.23 g	1.0 mL	50 uL		
360-24327-A-9	OC-SB-410-0.0/1.0-XXX		T	30.72 g	1.0 mL	50 uL		
360-24327-A-10	OC-SB-410-17/19-XXX		T	30.35 g	1.0 mL	50 uL		
360-24327-A-11	OC-SB-410-6.0/8.0-DUP		T	30.35 g	1.0 mL	50 uL		
360-24327-A-12	OC-SB-410-6.0/8.0-XXX		T	30.74 g	1.0 mL	50 uL		
360-24327-A-12~MS	OC-SB-410-6.0/8.0-XMS		T	30.64 g	1.0 mL	50 uL	.100 mL	100 uL
360-24327-A-12~MSD	OC-SB-410-6.0/8.0-MSD		T	30.26 g	1.0 mL	50 uL	.100 mL	100 uL
360-24327-A-13	OC-SB-411-0.0/1.0-XXX		T	30.08 g	1.0 mL	50 uL		
360-24327-A-14	OC-SB-411-4.7/6.7-XXX		T	30.85 g	1.0 mL	50 uL		
360-24327-A-15	OC-SB-418-0.0/1.0-XXX		T	30.34 g	1.0 mL	50 uL		
360-24327-A-16	OC-SB-418-15/17-XXX		T	30.04 g	1.0 mL	50 uL		
360-24327-A-17	OC-SB-418-8/10-XXX		T	30.33 g	1.0 mL	50 uL		
360-24343-A-1	OC-SB-444-0.0/1.0-XXX		T	30.61 g	1.0 mL	50 uL		
360-24343-A-2	OC-SB-444-12/14-XXX		T	30.80 g	1.0 mL	50 uL		
360-24343-A-3	OC-SB-444-5.0/7.0-XXX		T	30.68 g	1.0 mL	50 uL		
360-24343-A-4	OC-SB-449-0.0/1.0-XXX		T	30.56 g	1.0 mL	50 uL		
360-24343-A-5	OC-SB-449-11/13-XXX		T	30.06 g	1.0 mL	50 uL		
360-24343-A-6	OC-SB-449-6.0/8.0-XXX		T	30.03 g	1.0 mL	50 uL		
360-24343-A-7	OC-SB-451-0.0/1.0-XXX		T	30.48 g	1.0 mL	50 uL		
360-24327-A-7	OC-SB-409-15/17-XXX	3546, 8270C LL	T	30.38 g	1.0 mL	50 uL		
360-24327-A-10	OC-SB-410-17/19-XXX	3546, 8270C LL	T	30.35 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48703
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 08 2009 2:52PM
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
360-24327-A-16	OC-SB-418-15/17-XXX	3546, 8270C LL	T	30.04 g	1.0 mL	50 uL		
360-24343-A-2	OC-SB-444-12/14-XXX		T	30.80 g	1.0 mL	50 uL		
360-24343-A-5	OC-SB-449-11/13-XXX		T	30.06 g	1.0 mL	50 uL		

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24327-2

SDG No.: OCRI-07A

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SB-403-13/15-XXX	360-24327-2
OC-SB-404-13/15-XXX	360-24327-4
OC-SB-409-15/17-XXX	360-24327-7
OC-SB-410-17/19-XXX	360-24327-10
OC-SB-418-15/17-XXX	360-24327-16

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-403-13/15-XXX
Lab Sample ID: 360-24327-2
Lab Name: TestAmerica Westfield
Job No.: 360-24327-2
SDG ID.: OCRI-07A
Matrix: Solid
Date Sampled: 08/26/2009 13:40
Reporting Basis: DRY
Date Received: 08/27/2009 17:10
% Solids: 79.7

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3000	3.2	0.84	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.64	0.23	mg/Kg			1	6010B
7440-38-2	Arsenic	1.2	1.3	0.12	mg/Kg	J		1	6010B
7440-39-3	Barium	7.5	0.64	0.084	mg/Kg			1	6010B
7440-41-7	Beryllium	0.090	0.26	0.032	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.049	0.26	0.0090	mg/Kg	J		1	6010B
7440-70-2	Calcium	550	13	3.2	mg/Kg		B	1	6010B
7440-47-3	Chromium	5.3	0.64	0.086	mg/Kg		B	1	6010B
7440-48-4	Cobalt	1.6	0.64	0.084	mg/Kg			1	6010B
7440-50-8	Copper	4.9	1.3	0.084	mg/Kg		B	1	6010B
7439-89-6	Iron	3100	6.4	1.0	mg/Kg		B	1	6010B
7439-92-1	Lead	1.5	0.64	0.073	mg/Kg		B	1	6010B
7439-95-4	Magnesium	890	13	0.64	mg/Kg		B	1	6010B
7439-96-5	Manganese	32	1.3	0.086	mg/Kg			1	6010B
7440-02-0	Nickel	4.8	1.3	0.084	mg/Kg			1	6010B
7440-09-7	Potassium	620	260	40	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.64	0.30	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.64	0.065	mg/Kg			1	6010B
7440-23-5	Sodium	28	130	17	mg/Kg	J	B	1	6010B
7440-28-0	Thallium	ND	1.3	0.093	mg/Kg			1	6010B
7440-62-2	Vanadium	5.0	1.3	0.084	mg/Kg			1	6010B
7440-66-6	Zinc	8.1	3.2	0.76	mg/Kg			1	6010B
7440-31-5	Tin	1.8	6.4	0.41	mg/Kg	J	^ B	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-404-13/15-XXX
Lab Sample ID: 360-24327-4
Lab Name: TestAmerica Westfield
Job No.: 360-24327-2
SDG ID.: OCRI-07A
Matrix: Solid
Date Sampled: 08/26/2009 15:40
Reporting Basis: DRY
Date Received: 08/27/2009 17:10
% Solids: 93.5

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10000	2.7	0.70	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.53	0.19	mg/Kg			1	6010B
7440-38-2	Arsenic	2.2	1.1	0.098	mg/Kg			1	6010B
7440-39-3	Barium	13	0.53	0.070	mg/Kg			1	6010B
7440-41-7	Beryllium	0.38	0.21	0.027	mg/Kg			1	6010B
7440-43-9	Cadmium	0.26	0.21	0.0075	mg/Kg			1	6010B
7440-70-2	Calcium	1400	11	2.7	mg/Kg		B	1	6010B
7440-47-3	Chromium	11	0.53	0.071	mg/Kg		B	1	6010B
7440-48-4	Cobalt	6.0	0.53	0.070	mg/Kg			1	6010B
7440-50-8	Copper	12	1.1	0.070	mg/Kg		B	1	6010B
7439-89-6	Iron	16000	5.3	0.85	mg/Kg		B	1	6010B
7439-92-1	Lead	4.1	0.53	0.061	mg/Kg		B	1	6010B
7439-95-4	Magnesium	5300	11	0.53	mg/Kg		B	1	6010B
7439-96-5	Manganese	200	1.1	0.071	mg/Kg			1	6010B
7440-02-0	Nickel	10	1.1	0.070	mg/Kg			1	6010B
7440-09-7	Potassium	930	210	33	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.53	0.25	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.53	0.054	mg/Kg			1	6010B
7440-23-5	Sodium	14	110	14	mg/Kg	J	B	1	6010B
7440-28-0	Thallium	ND	1.1	0.077	mg/Kg			1	6010B
7440-62-2	Vanadium	26	1.1	0.070	mg/Kg			1	6010B
7440-66-6	Zinc	34	2.7	0.63	mg/Kg			1	6010B
7440-31-5	Tin	3.3	5.3	0.34	mg/Kg	J	^ B	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-409-15/17-XXX
Lab Sample ID: 360-24327-7
Lab Name: TestAmerica Westfield
Job No.: 360-24327-2
SDG ID.: OCRI-07A
Matrix: Solid
Date Sampled: 08/26/2009 17:15
Reporting Basis: DRY
Date Received: 08/27/2009 17:10
% Solids: 88.5

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10000	3.3	0.85	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.65	0.24	mg/Kg			1	6010B
7440-38-2	Arsenic	4.7	1.3	0.12	mg/Kg			1	6010B
7440-39-3	Barium	55	0.65	0.085	mg/Kg			1	6010B
7440-41-7	Beryllium	0.35	0.26	0.033	mg/Kg			1	6010B
7440-43-9	Cadmium	0.39	0.26	0.0091	mg/Kg			1	6010B
7440-70-2	Calcium	2800	13	3.3	mg/Kg		B	1	6010B
7440-47-3	Chromium	22	0.65	0.087	mg/Kg		B	1	6010B
7440-48-4	Cobalt	14	0.65	0.085	mg/Kg			1	6010B
7440-50-8	Copper	25	1.3	0.085	mg/Kg		B	1	6010B
7439-89-6	Iron	23000	6.5	1.0	mg/Kg		B	1	6010B
7439-92-1	Lead	0.75	0.65	0.075	mg/Kg		B	1	6010B
7439-95-4	Magnesium	6900	13	0.65	mg/Kg		B	1	6010B
7439-96-5	Manganese	180	1.3	0.087	mg/Kg			1	6010B
7440-02-0	Nickel	18	1.3	0.085	mg/Kg			1	6010B
7440-09-7	Potassium	2500	260	41	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.65	0.31	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.65	0.066	mg/Kg			1	6010B
7440-23-5	Sodium	210	130	17	mg/Kg		B	1	6010B
7440-28-0	Thallium	ND	1.3	0.094	mg/Kg			1	6010B
7440-62-2	Vanadium	33	1.3	0.085	mg/Kg			1	6010B
7440-66-6	Zinc	17	3.3	0.77	mg/Kg			1	6010B
7440-31-5	Tin	7.3	6.5	0.42	mg/Kg		^ B	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-410-17/19-XXX
Lab Sample ID: 360-24327-10
Lab Name: TestAmerica Westfield
Job No.: 360-24327-2
SDG ID.: OCRI-07A
Matrix: Solid
Date Sampled: 08/27/2009 11:15
Reporting Basis: DRY
Date Received: 08/27/2009 17:10
% Solids: 91.8

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9500	3.3	0.86	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.66	0.24	mg/Kg			1	6010B
7440-38-2	Arsenic	1.8	1.3	0.12	mg/Kg			1	6010B
7440-39-3	Barium	38	0.66	0.086	mg/Kg			1	6010B
7440-41-7	Beryllium	0.23	0.27	0.033	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.27	0.27	0.0093	mg/Kg			1	6010B
7440-70-2	Calcium	4100	13	3.3	mg/Kg		B	1	6010B
7440-47-3	Chromium	20	0.66	0.088	mg/Kg		B	1	6010B
7440-48-4	Cobalt	12	0.66	0.086	mg/Kg			1	6010B
7440-50-8	Copper	34	1.3	0.086	mg/Kg		B	1	6010B
7439-89-6	Iron	15000	6.6	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	1.8	0.66	0.076	mg/Kg		B	1	6010B
7439-95-4	Magnesium	7300	13	0.66	mg/Kg		B	1	6010B
7439-96-5	Manganese	150	1.3	0.089	mg/Kg			1	6010B
7440-02-0	Nickel	16	1.3	0.086	mg/Kg			1	6010B
7440-09-7	Potassium	2000	270	42	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.66	0.31	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.66	0.067	mg/Kg			1	6010B
7440-23-5	Sodium	270	130	17	mg/Kg		B	1	6010B
7440-28-0	Thallium	ND	1.3	0.096	mg/Kg			1	6010B
7440-62-2	Vanadium	28	1.3	0.086	mg/Kg			1	6010B
7440-66-6	Zinc	17	3.3	0.78	mg/Kg			1	6010B
7440-31-5	Tin	6.7	6.6	0.43	mg/Kg		^ B	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-418-15/17-XXX
Lab Sample ID: 360-24327-16
Lab Name: TestAmerica Westfield
Job No.: 360-24327-2
SDG ID.: OCRI-07A
Matrix: Solid
Date Sampled: 08/27/2009 09:00
Reporting Basis: DRY
Date Received: 08/27/2009 17:10
% Solids: 90.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9100	3.5	0.90	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.69	0.25	mg/Kg			1	6010B
7440-38-2	Arsenic	2.8	1.4	0.13	mg/Kg			1	6010B
7440-39-3	Barium	27	0.69	0.090	mg/Kg			1	6010B
7440-41-7	Beryllium	0.24	0.28	0.035	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.24	0.28	0.0097	mg/Kg	J		1	6010B
7440-70-2	Calcium	3400	14	3.5	mg/Kg		B	1	6010B
7440-47-3	Chromium	29	0.69	0.092	mg/Kg		B	1	6010B
7440-48-4	Cobalt	7.6	0.69	0.090	mg/Kg			1	6010B
7440-50-8	Copper	43	1.4	0.090	mg/Kg		B	1	6010B
7439-89-6	Iron	16000	6.9	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	1.2	0.69	0.079	mg/Kg		B	1	6010B
7439-95-4	Magnesium	4300	14	0.69	mg/Kg		B	1	6010B
7439-96-5	Manganese	110	1.4	0.093	mg/Kg			1	6010B
7440-02-0	Nickel	15	1.4	0.090	mg/Kg			1	6010B
7440-09-7	Potassium	1200	280	43	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.69	0.32	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.69	0.070	mg/Kg			1	6010B
7440-23-5	Sodium	160	140	18	mg/Kg		B	1	6010B
7440-28-0	Thallium	ND	1.4	0.10	mg/Kg			1	6010B
7440-62-2	Vanadium	27	1.4	0.090	mg/Kg			1	6010B
7440-66-6	Zinc	17	3.5	0.82	mg/Kg			1	6010B
7440-31-5	Tin	10	6.9	0.44	mg/Kg		^ B	1	6010B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49406/6 09/23/2009 10:45				CCV 360-49406/13 09/23/2009 11:06				CCV 360-49406/21 09/23/2009 14:24			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	984		1000	98	992		1000	99	984		1000	98
Al	987		1000	99	4940		5000	99	4910		5000	98
As	981		1000	98	994		1000	99	982		1000	98
Ba	987		1000	99	988		1000	99	984		1000	98
Be	992		1000	99	992		1000	99	984		1000	98
Cd	991		1000	99	993		1000	99	981		1000	98
Co	997		1000	100	993		1000	99	983		1000	98
Cr	985		1000	98	992		1000	99	989		1000	99
Cu	976		1000	98	983		1000	98	980		1000	98
Fe	974		1000	97	5000		5000	100	4950		5000	99
Mn	991		1000	99	991		1000	99	984		1000	98
Ni	995		1000	100	990		1000	99	988		1000	99
Pb	993		1000	99	992		1000	99	980		1000	98
Sb	950		1000	95	990		1000	99	981		1000	98
Se	994		1000	99	999		1000	100	974		1000	97
Tl	983		1000	98	996		1000	100	978		1000	98
V	994		1000	99	990		1000	99	982		1000	98
Zn	999		1000	100	993		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.: 360-24327-2

SDG No.: OCRI-07A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49406/26 09/23/2009 14:59				CCV 360-49406/38 09/23/2009 15:33				CCV 360-49406/50 09/23/2009 16:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	954		1000	95	991		1000	99	994		1000	99
Al	4710		5000	94	4950		5000	99	4960		5000	99
As	952		1000	95	989		1000	99	990		1000	99
Ba	948		1000	95	994		1000	99	995		1000	99
Be	960		1000	96	992		1000	99	995		1000	99
Cd	965		1000	96	986		1000	99	988		1000	99
Co	960		1000	96	991		1000	99	992		1000	99
Cr	969		1000	97	1000		1000	100	1000		1000	100
Cu	943		1000	94	989		1000	99	999		1000	100
Fe	4830		5000	97	5000		5000	100	5010		5000	100
Mn	960		1000	96	992		1000	99	994		1000	99
Ni	975		1000	98	995		1000	100	1000		1000	100
Pb	958		1000	96	985		1000	99	987		1000	99
Sb	952		1000	95	988		1000	99	990		1000	99
Se	943		1000	94	982		1000	98	984		1000	98
Tl	962		1000	96	994		1000	99	993		1000	99
V	954		1000	95	992		1000	99	995		1000	100
Zn	970		1000	97	985		1000	99	987		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.: 360-24327-2

SDG No.: OCRI-07A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49406/52 09/23/2009 17:35											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	974		1000	97								
Al	4870		5000	97								
As	976		1000	98								
Ba	978		1000	98								
Be	973		1000	97								
Cd	968		1000	97								
Co	971		1000	97								
Cr	980		1000	98								
Cu	978		1000	98								
Fe	4900		5000	98								
Mn	972		1000	97								
Ni	978		1000	98								
Pb	967		1000	97								
Sb	973		1000	97								
Se	965		1000	96								
Tl	970		1000	97								
V	972		1000	97								
Zn	965		1000	96								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49406/6 09/23/2009 10:45				CCV 360-49406/13 09/23/2009 11:06				CCV 360-49406/21 09/23/2009 14:24			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	9990		10000	100	19800		20000	99	19600		20000	98
Mg	9850		10000	99	19900		20000	99	19600		20000	98
Na	9250		10000	92	19900		20000	100	19700		20000	99
Sn	982		1000	98	989		1000	99	975		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.: 360-24327-2

SDG No.: OCRI-07A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49406/26 09/23/2009 14:59				CCV 360-49406/38 09/23/2009 15:33				CCV 360-49406/50 09/23/2009 16:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	19200		20000	96	19800		20000	99	19800		20000	99
Mg	19200		20000	96	19800		20000	99	19800		20000	99
Na	19200		20000	96	20000		20000	100	20000		20000	100
Sn	949		1000	95	982		1000	98	983		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.: 360-24327-2

SDG No.: OCRI-07A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49406/52 09/23/2009 17:35											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	19400		20000	97								
Mg	19400		20000	97								
Na	19500		20000	97								
Sn	963		1000	96								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49406/13 09/23/2009 11:06				ICV 360-49406/16 09/23/2009 11:15				CCV 360-49406/21 09/23/2009 14:24			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	19900		20000	99	76800		75000	102	20300		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.: 360-24327-2

SDG No.: OCRI-07A

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49406/26 09/23/2009 14:59				CCV 360-49406/38 09/23/2009 15:33				CCV 360-49406/50 09/23/2009 16:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	19600		20000	98	20800		20000	104	20900		20000	104

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.: 360-24327-2

SDG No.: OCRI-07A

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49406/52 09/23/2009 17:35											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	19900		20000	99								

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.: 360-24327-2

SDG No.: OCRI-07A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49406/8 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	97.6	J	98	70-130
Antimony	10.0	9.08	J	91	70-130
Arsenic	10.0	9.72	J	97	70-130
Barium	10.0	11.0		110	70-130
Beryllium	1.00	1.01		101	70-130
Cadmium	1.00	1.07		107	70-130
Calcium	400	413		103	70-130
Chromium	5.00	5.23		105	70-130
Cobalt	10.0	10.7		107	70-130
Copper	10.0	10.9		109	70-130
Iron	100	105		105	70-130
Lead	5.00	5.09		102	70-130
Magnesium	400	421		105	70-130
Manganese	10.0	10.6		106	70-130
Nickel	10.0	10.5		105	70-130
Potassium	4000	3570	J	89	70-130
Silver	5.00	3.83	J	77	70-130
Sodium	2000	2020		101	70-130
Thallium	10.0	10.8		108	70-130
Vanadium	10.0	10.4		104	70-130
Zinc	50.0	51.5		103	70-130
Tin	50.0	28.9	J	58	70-130

Lab Sample ID: CRI 360-49406/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	6.00	6.37	J	106	70-130
Arsenic	50.0	48.8		98	70-130
Barium	2000	2120		106	70-130
Beryllium	4.00	4.17		104	70-130
Cadmium	5.00	5.17		103	70-130
Chromium	100	107		107	70-130
Lead	15.0	16.8		112	70-130
Nickel	100	110		110	70-130

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49406/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Selenium	50.0	49.4		99	70-130
Silver	7.00	7.45		106	70-130
Thallium	2.00	2.02	J	101	70-130
Vanadium	50.0	51.8		104	70-130
Zinc	900	943		105	70-130

Lab Sample ID: CRI 360-49406/18 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	12.5		125	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.: 360-24327-2

SDG No.: OCRI-07A

Concentration Units: ug/L

Analyte	RL	ICB 360-49406/7 09/23/2009 10:48		CCB 360-49406/14 09/23/2009 11:09		CCB 360-49406/22 09/23/2009 14:27		CCB 360-49406/27 09/23/2009 15:01	
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND		ND		ND	
Al	100	ND		ND		ND		ND	
As	10	ND		ND		ND		ND	
Ba	10	ND		ND		ND		ND	
Be	1.0	ND		ND		ND		ND	
Ca	400	ND		ND		ND		ND	
Cd	1.0	ND		ND		ND		ND	
Co	10	ND		ND		ND		ND	
Cr	5.0	ND		ND		ND		ND	
Cu	10	ND		ND		ND		ND	
Fe	100	ND		ND		ND		ND	
K	4000	ND		ND		ND		ND	
Mg	400	ND		ND		ND		ND	
Mn	10	ND		ND		ND		ND	
Na	2000	ND		ND		ND		ND	
Ni	10	ND		ND		ND		ND	
Pb	5.0	ND		ND		ND		ND	
Sb	10	ND		ND		ND		4.23	J
Se	10	3.20	J	3.00	J	3.88	J	ND	
Sn	50	ND		ND		ND		ND	
Tl	10	1.55	J	ND		1.49	J	ND	
V	10	ND		ND		ND		ND	
Zn	50	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Concentration Units: ug/L

Analyte	RL	CCB 360-49406/39 09/23/2009 15:36		CCB 360-49406/51 09/23/2009 16:11		CCB 360-49406/53 09/23/2009 17:38			
		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		0.214	J		
Ca	400	ND		ND		ND			
Cd	1.0	ND		ND		0.209	J		
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	ND		4.68	J	ND			
Sn	50	ND		ND		ND			
Tl	10	ND		1.50	J	1.99	J		
V	10	ND		ND		ND			
Zn	50	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Concentration Units: mg/Kg Lab Sample ID: MB 360-49332/1-A

Instrument Code: Varian ICP Batch No.: 49406

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010B
7440-36-0	Antimony	ND			6010B
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-70-2	Calcium	7.85	J		6010B
7440-47-3	Chromium	0.147	J		6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	0.0710	J		6010B
7439-89-6	Iron	1.98	J		6010B
7439-92-1	Lead	0.145	J		6010B
7439-95-4	Magnesium	2.04	J		6010B
7439-96-5	Manganese	ND			6010B
7440-02-0	Nickel	ND			6010B
7440-09-7	Potassium	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B
7440-23-5	Sodium	13.1	J		6010B
7440-28-0	Thallium	0.154	J		6010B
7440-62-2	Vanadium	ND			6010B
7440-66-6	Zinc	ND			6010B
7440-31-5	Tin	0.454	J		6010B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Lab Sample ID: ICSA 360-49406/10 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		**0.377**	
Al	**100000**	**114656**	**115**
As		**0.809**	
Ba		**0.474**	
Be		**0.0065**	
Ca	**100000**	**106348**	**106**
Cd		**0.593**	
Co		**2.17**	
Cr		**0.377**	
Cu		**0.749**	
Fe	**40000**	**44321**	**111**
K		**1891**	
Mg	**100000**	**111527**	**112**
Mn		**3.22**	
Na		**147**	
Ni		**4.95**	
Pb		**-0.923**	
Sb		**0.0428**	
Se		**0.394**	
Sn		**1.85**	
Tl		**-1.53**	
V		**1.72**	
Zn		**0.0601**	
B		*3.43*	
Li		*1.03*	
Mo		*0.897*	
Si		*-0.207*	
Si		*-0.0582*	
SiO2		*-0.444*	
Sr		*0.610*	
Ti		*1.68*	
Zr		*0.546*	

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.: 360-24327-2

SDG No.: OCRI-07A

Lab Sample ID: ICSAB 360-49406/11 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**	**613**	**102**
Al	**100000**	**111924**	**112**
As	**2000**	**1989**	**99**
Ba	**600**	**593**	**99**
Be	**200**	**193**	**97**
Ca	**100000**	**102982**	**103**
Cd	**600**	**575**	**96**
Co	**600**	**580**	**97**
Cr	**600**	**575**	**96**
Cu	**600**	**605**	**101**
Fe	**40000**	**43159**	**108**
K	**40000**	**42722**	**107**
Mg	**100000**	**107314**	**107**
Mn	**400**	**388**	**97**
Na		**-12.3**	
Ni	**600**	**583**	**97**
Pb	**2000**	**1885**	**94**
Sb		**942**	
Se	**1000**	**986**	**99**
Sn		**254**	
Tl	**2000**	**1875**	**94**
V	**600**	**593**	**99**
Zn	**600**	**554**	**92**
B		*2.48*	
Li		*1.02*	
Mo		*0.594*	
Si		*-1.24*	
Si		*0.268*	
SiO2		*-2.65*	
Sr		*0.637*	
Ti		*1.73*	
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.: 360-24327-2

SDG No.: OCRI-07A

Lab Sample ID: ICSA 360-49406/54 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		**0.626**	
Al	**100000**	**112659**	**113**
As		**1.42**	
Ba		**0.487**	
Be		**0.0019**	
Ca	**100000**	**103536**	**104**
Cd		**0.495**	
Co		**1.99**	
Cr		**0.556**	
Cu		**0.826**	
Fe	**40000**	**43405**	**109**
K		**1399**	
Mg	**100000**	**109089**	**109**
Mn		**3.17**	
Na		**133**	
Ni		**4.92**	
Pb		**-1.56**	
Sb		**-0.916**	
Se		**1.27**	
Sn		**1.10**	
Tl		**1.32**	
V		**2.02**	
Zn		**-0.828**	
B		*8.63*	
Li		*1.08*	
Mo		*2.97*	
Si		*-0.523*	
Si		*-0.947*	
SiO2		*-1.12*	
Sr		*0.600*	
Ti		*1.73*	
Zr		*0.853*	

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.: 360-24327-2

SDG No.: OCRI-07A

Lab Sample ID: ICSAB 360-49406/55 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**	**600**	**100**
Al	**100000**	**109536**	**110**
As	**2000**	**1945**	**97**
Ba	**600**	**583**	**97**
Be	**200**	**189**	**95**
Ca	**100000**	**101702**	**102**
Cd	**600**	**563**	**94**
Co	**600**	**567**	**95**
Cr	**600**	**570**	**95**
Cu	**600**	**593**	**99**
Fe	**40000**	**42183**	**105**
K	**40000**	**42207**	**106**
Mg	**100000**	**104820**	**105**
Mn	**400**	**380**	**95**
Na		**29.6**	
Ni	**600**	**575**	**96**
Pb	**2000**	**1842**	**92**
Sb		**923**	
Se	**1000**	**949**	**95**
Sn		**243**	
Tl	**2000**	**1840**	**92**
V	**600**	**580**	**97**
Zn	**600**	**542**	**90**
B		*5.86*	
Li		*1.09*	
Mo		*1.30*	
Si		*-0.662*	
Si		*-0.662*	
SiO2		*-1.42*	
Sr		*0.626*	
Ti		*1.65*	
Zr		*3.13*	

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 360-49332/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	250	220		88	80	120		6010B
Antimony	50.0	41.9		84	80	120		6010B
Arsenic	50.0	44.2		88	80	120		6010B
Barium	50.0	45.4		91	80	120		6010B
Beryllium	50.0	45.1		90	80	120		6010B
Cadmium	50.0	44.6		89	80	120		6010B
Calcium	1000	915		92	80	120		6010B
Chromium	50.0	45.8		92	80	120		6010B
Cobalt	50.0	45.0		90	80	120		6010B
Copper	50.0	44.9		90	80	120		6010B
Iron	250	228		91	80	120		6010B
Lead	50.0	44.3		89	80	120		6010B
Magnesium	1000	881		88	80	120		6010B
Manganese	50.0	45.5		91	80	120		6010B
Nickel	50.0	45.2		90	80	120		6010B
Potassium	1000	901		90	80	120		6010B
Selenium	50.0	43.9		88	80	120		6010B
Silver	50.0	44.4		89	80	120		6010B
Sodium	1000	880		88	80	120		6010B
Thallium	50.0	43.8		88	80	120		6010B
Vanadium	50.0	45.4		91	80	120		6010B
Zinc	50.0	44.3		89	80	120		6010B
Tin	50.0	45.0		90	80	120		6010B

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 360-49332/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	220		250	88	80-120	0	30		6010B
Antimony	41.7		50.0	83	80-120	0	30		6010B
Arsenic	44.2		50.0	88	80-120	0	30		6010B
Barium	45.2		50.0	90	80-120	0	30		6010B
Beryllium	45.0		50.0	90	80-120	0	30		6010B
Cadmium	44.9		50.0	90	80-120	1	30		6010B
Calcium	917		1000	92	80-120	0	30		6010B
Chromium	45.9		50.0	92	80-120	0	30		6010B
Cobalt	45.1		50.0	90	80-120	0	30		6010B
Copper	44.4		50.0	89	80-120	1	30		6010B
Iron	228		250	91	80-120	0	30		6010B
Lead	44.5		50.0	89	80-120	0	30		6010B
Magnesium	885		1000	88	80-120	0	30		6010B
Manganese	45.5		50.0	91	80-120	0	30		6010B
Nickel	45.3		50.0	91	80-120	0	30		6010B
Potassium	873		1000	87	80-120	3	30		6010B
Selenium	43.8		50.0	88	80-120	0	30		6010B
Silver	44.4		50.0	89	80-120	0	30		6010B
Sodium	877		1000	88	80-120	0	30		6010B
Thallium	44.3		50.0	89	80-120	1	30		6010B
Vanadium	45.4		50.0	91	80-120	0	30		6010B
Zinc	44.5		50.0	89	80-120	1	30		6010B
Tin	44.8		50.0	90	80-120	0	30		6010B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24327-2

SDG Number: OCRI-07A

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: 360-24327-2

SDG No.: OCRI-07A

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: 360-24327-2

SDG No.: OCRI-07A

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: 360-24327-2

SDG No.: OCRI-07A

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: 360-24327-2

SDG No.: OCRI-07A

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: 360-24327-2

SDG No.: OCRI-07A

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: 360-24327-2

SDG No.: OCRI-07A

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: 360-24327-2

SDG No.: OCRI-07A

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: 360-24327-2

SDG No.: OCRI-07A

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: 360-24327-2

SDG No.: OCRI-07A

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.: 360-24327-2

SDG No.: OCRI-07A

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-49332/1-A	09/23/2009 09:07	49332	2.0		100
LCS 360-49332/2-A	09/23/2009 09:07	49332	2.0		100
LCSD 360-49332/3-A	09/23/2009 09:07	49332	2.0		100
360-24327-2	09/23/2009 09:07	49332	1.95		100
360-24327-4	09/23/2009 09:07	49332	2.00		100
360-24327-7	09/23/2009 09:07	49332	1.73		100
360-24327-10	09/23/2009 09:07	49332	1.64		100
360-24327-16	09/23/2009 09:07	49332	1.60		100

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/23/2009 10:31 End Date: 09/23/2009 17:44

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			10:31																				
ZZZZZZ			10:34																				
ZZZZZZ			10:37																				
ZZZZZZ			10:40																				
ZZZZZZ			10:42																				
ICV 360-49406/6	1		10:45	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
ICB 360-49406/7	1		10:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-49406/8	1		10:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
CRI 360-49406/9	1		10:54	X		X	X	X		X		X							X	X	X	X	
ICSA 360-49406/10	1		10:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49406/11	1		11:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:03																				
CCV 360-49406/13	1		11:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49406/14	1		11:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-49406/15			11:12																				
ICV 360-49406/16	1		11:15												X								
ICV 360-49406/17			11:17																				
CRI 360-49406/18	1		11:22																			X	
CCV 360-49406/19			11:44																				
CCB 360-49406/20			11:47																				
CCV 360-49406/21	1		14:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49406/22	1		14:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 360-49332/1-A	1	T	14:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 360-49332/2-A	1	T	14:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 360-49332/3-A	1	T	14:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49406/26	1		14:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49406/27	1		15:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:04																				
ZZZZZZ			15:07																				
ZZZZZZ			15:10																				
ZZZZZZ			15:13																				
ZZZZZZ			15:16																				
ZZZZZZ			15:19																				
ZZZZZZ			15:22																				
ZZZZZZ			15:24																				
ZZZZZZ			15:27																				
ZZZZZZ			15:30																				
CCV 360-49406/38	1		15:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49406/39	1		15:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:39																				
ZZZZZZ			15:42																				
ZZZZZZ			15:45																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/23/2009 10:31 End Date: 09/23/2009 17:44

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			15:48																				
ZZZZZZ			15:50																				
360-24327-2	1	T	15:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24327-4	1	T	15:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24327-7	1	T	15:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24327-10	1	T	16:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24327-16	1	T	16:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49406/50	1		16:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49406/51	1		16:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49406/52	1		17:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49406/53	1		17:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 360-49406/54	1		17:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49406/55	1		17:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/23/2009 10:31 End Date: 09/23/2009 17:44

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			10:31																				
ZZZZZZ			10:34																				
ZZZZZZ			10:37																				
ZZZZZZ			10:40																				
ZZZZZZ			10:42																				
ICV 360-49406/6	1		10:45	X	X	X																	
ICB 360-49406/7	1		10:48	X	X	X																	
CRI 360-49406/8	1		10:51	X	X	X																	
CRI 360-49406/9	1		10:54	X	X	X																	
ICSA 360-49406/10	1		10:57	X	X	X																	
ICSAB 360-49406/11	1		11:00	X	X	X																	
ZZZZZZ			11:03																				
CCV 360-49406/13	1		11:06	X	X	X																	
CCB 360-49406/14	1		11:09	X	X	X																	
ICB 360-49406/15			11:12																				
ICV 360-49406/16	1		11:15																				
ICV 360-49406/17			11:17																				
CRI 360-49406/18	1		11:22																				
CCV 360-49406/19			11:44																				
CCB 360-49406/20			11:47																				
CCV 360-49406/21	1		14:24	X	X	X																	
CCB 360-49406/22	1		14:27	X	X	X																	
MB 360-49332/1-A	1	T	14:50	X	X	X																	
LCS 360-49332/2-A	1	T	14:53	X	X	X																	
LCSD 360-49332/3-A	1	T	14:56	X	X	X																	
CCV 360-49406/26	1		14:59	X	X	X																	
CCB 360-49406/27	1		15:01	X	X	X																	
ZZZZZZ			15:04																				
ZZZZZZ			15:07																				
ZZZZZZ			15:10																				
ZZZZZZ			15:13																				
ZZZZZZ			15:16																				
ZZZZZZ			15:19																				
ZZZZZZ			15:22																				
ZZZZZZ			15:24																				
ZZZZZZ			15:27																				
ZZZZZZ			15:30																				
CCV 360-49406/38	1		15:33	X	X	X																	
CCB 360-49406/39	1		15:36	X	X	X																	
ZZZZZZ			15:39																				
ZZZZZZ			15:42																				
ZZZZZZ			15:45																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24327-2

SDG No.: OCRI-07A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/23/2009 10:31 End Date: 09/23/2009 17:44

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			15:48																				
ZZZZZZ			15:50																				
360-24327-2	1	T	15:53	X	X	X																	
360-24327-4	1	T	15:56	X	X	X																	
360-24327-7	1	T	15:59	X	X	X																	
360-24327-10	1	T	16:02	X	X	X																	
360-24327-16	1	T	16:05	X	X	X																	
CCV 360-49406/50	1		16:08	X	X	X																	
CCB 360-49406/51	1		16:11	X	X	X																	
CCV 360-49406/52	1		17:35	X	X	X																	
CCB 360-49406/53	1		17:38	X	X	X																	
ICSA 360-49406/54	1		17:41	X	X	X																	
ICSAB 360-49406/55	1		17:44	X	X	X																	

Prep Types
T = Total/NA

MET092309emn@720/725/730/735-ES@Quant@. All Data Report 9/24/2009, 7:20:44 AM

Blank (Blk) **9/23/2009, 10:31:24 AM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	3.609	150.9	2.39197
Al 237.312	0.000000	ug/L	0.344	1.2	29.0046
As 188.980	0.000000	ug/L	0.761	49.0	1.55473
B 249.678	0.000000	ug/L	8.080	19.3	41.8230
Ba 493.408	0.000000	ug/L	18.455	14.4	128.255
Be 313.042	0.000000	ug/L	3.221	2.1	155.378
Ca 373.690	0.000000	ug/L	2.894	7.8	37.1534
Cd 214.439	0.000000	ug/L	0.733	23.5	3.11250
Co 228.615	0.000000	ug/L	2.025	16.6	12.1697
Cr 267.716	0.000000	ug/L	1.435	5.9	24.5264
Cu 327.395	0.000000	ug/L	2.444	3.4	72.0865
Fe 273.955	0.000000	ug/L	1.076	5.2	20.6930
K 404.721	0.000000	ug/L	2.531	16.3	15.4933
Li 610.365	0.000000	ug/L	1.969	29.5	6.67969
Mg 279.078	0.000000	ug/L	2.860	23.3	12.2645
Mn 257.610	0.000000	ug/L	0.899	1.5	59.5739
Mo 202.032	0.000000	ug/L	2.984	36.0	8.29082
Na 330.237	0.000000	ug/L	1.532	14.3	10.7402
Ni 216.555	0.000000	ug/L	0.508	11.5	4.42546
Pb 220.353	0.000000	ug/L	1.645	32.5	5.06036
Sb 217.582	0.000000	ug/L	0.101	2.3	4.31532
Se 196.026	0.000000	ug/L	0.713	35.7	1.99672
Si 251.611	0.000000	ug/L	4.106	9.7	42.5416
Si 288.158	0.000000	ug/L	8.881	2.0	447.427
Sn 283.998	0.000000	ug/L	0.637	4.8	13.3920
Sr 421.552	0.000000	ug/L	3.973	14.6	27.2544
Ti 336.122	0.000000	ug/L	5.240	14.7	35.7461
Tl 190.794	0.000000	ug/L	0.707	36.5	1.93586
V 292.401	0.000000	ug/L	2.414	21.5	11.2327
Zn 202.548	0.000000	ug/L	0.232	0.5	48.8936
Zr 339.198	0.000000	ug/L	0.277	8.0	3.47119

Standard 1 (Std) **9/23/2009, 10:34:18 AM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	2.851	0.0	8553.89
Al 237.312	5000.00	ug/L	5.260	0.0	22198.7
As 188.980	1000.00	ug/L	5.352	0.5	1072.32
B 249.678	1000.00	ug/L	387.287	1.3	29897.3
Ba 493.408	1000.00	ug/L	2019.143	0.1	2451259
Be 313.042	1000.00	ug/L	2117.608	0.1	3418522
Ca 373.690	20000.0	ug/L	31.080	0.0	99385.6
Cd 214.439	1000.00	ug/L	26.865	0.1	39491.4
Co 228.615	1000.00	ug/L	1.219	0.0	9005.60
Cr 267.716	1000.00	ug/L	123.028	0.3	47851.0
Cu 327.395	1000.00	ug/L	427.529	0.6	68584.6
Fe 273.955	5000.00	ug/L	669.669	0.8	79328.8
K 404.721	20000.0	ug/L	3.180	1.1	284.857
Li 610.365	5000.00	ug/L	285.428	0.1	376315
Mg 279.078	20000.0	ug/L	143.659	0.2	89666.3
Mn 257.610	1000.00	ug/L	242.250	0.1	302283
Mo 202.032	1000.00	ug/L	18.005	0.2	9298.35
Na 330.237	20000.0	ug/L	4.742	0.2	2739.21

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	19.209	0.2	8656.24
Pb 220.353	1000.00	ug/L	0.878	0.0	5152.43
Sb 217.582	1000.00	ug/L	3.937	0.2	1971.46
Se 196.026	1000.00	ug/L	0.771	0.1	559.482
Si 251.611	1000.00	ug/L	29.689	0.6	5293.00
Si 288.158	1000.00	ug/L	77.827	0.6	12623.5
Sn 283.998	1000.00	ug/L	8.924	0.2	4656.03
Sr 421.552	1000.00	ug/L	4623.241	0.2	2418074
Ti 336.122	1000.00	ug/L	423.767	0.2	244567
Tl 190.794	1000.00	ug/L	1.363	0.2	818.028
V 292.401	1000.00	ug/L	28.168	0.1	38989.2
Zn 202.548	1000.00	ug/L	17.599	0.1	24505.2
Zr 339.198	1000.00	ug/L	210.237	0.4	58154.1

Standard 2 (Std) **9/23/2009, 10:37:11 AM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	298.907	0.3	104482
Ca 373.690	100000	ug/L	555.631	0.1	467714
Fe 273.955	25000.0	ug/L	609.614	0.2	358891
K 404.721	100000	ug/L	2.322	0.1	1817.98
Mg 279.078	100000	ug/L	511.172	0.1	422988
Na 330.237	100000	ug/L	15.514	0.1	15909.2

RB (ICV) **9/23/2009, 10:40:06 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	14.5849	ug/L	0.876845	6.0	127.115	-
Al 237.312	-4.52013uv	ug/L	0.238710	5.3	8.67352	-
As 188.980	3.64945	ug/L	0.489351	13.4	5.46244	-
B 249.678	5.96329	ug/L	0.585268	9.8	219.860	-
Ba 493.408	10.5681	ug/L	0.006208	0.1	26032.1	-
Be 313.042	0.147883	ug/L	0.008679	5.9	660.896	-
Ca 373.690	-0.032576uv	ug/L	0.219351	673.4	36.9893	-
Cd 214.439	0.193498	ug/L	0.066128	34.2	10.7534	-
Co 228.615	0.177677	ug/L	0.177081	99.7	13.7676	-
Cr 267.716	0.184671	ug/L	0.083132	45.0	33.3585	-
Cu 327.395	0.122795	ug/L	0.167008	136.0	80.4995	-
Fe 273.955	2.84324	ug/L	0.515283	18.1	66.8619	-
K 404.721	-154.875uv	ug/L	385.548	248.9	13.5842	-
Li 610.365	-0.092840uv	ug/L	0.094779	102.1	-0.307617	-
Mg 279.078	2.40158	ug/L	1.05895	44.1	23.1819	-
Mn 257.610	0.094223	ug/L	0.003214	3.4	88.0504	-
Mo 202.032	2.44067	ug/L	0.823983	33.8	30.9648	-
Na 330.237	-34.4930uv	ug/L	5.01203	14.5	6.22913	-
Ni 216.555	-0.073892uv	ug/L	0.074302	100.6	3.78616	-
Pb 220.353	0.668896	ug/L	0.059212	8.9	8.50342	-
Sb 217.582	-0.827752uv	ug/L	0.595374	71.9	2.68701	-
Se 196.026	9.57505	ug/L	3.40243	35.5	7.33467	-
Si 251.611	-0.016449uv	ug/L	0.738888	4492.0	42.4553	-
Si 288.158	0.014246uv	ug/L	1.32287	9285.8	447.601	-
Sn 283.998	-0.415750uv	ug/L	0.314059	75.5	11.4618	-
Sr 421.552	0.153168	ug/L	0.005158	3.4	397.621	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	0.066970	ug/L	0.047675	71.2	52.1223	-
Tl 190.794	2.13117	ug/L	0.675853	31.7	3.67509	-
V 292.401	0.314429	ug/L	0.024601	7.8	23.4885	-
Zn 202.548	0.073280	ug/L	0.016688	22.8	50.6858	-
Zr 339.198	0.299169	ug/L	0.071532	23.9	20.8680	-

IPC (ICV) **9/23/2009, 10:42:59 AM** **Rack 0, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	996.760	ug/L	0.390799	0.0	8526.19	99.67605
Al 237.312	4969.43	ug/L	7.93631	0.2	22065.1	99.38853
As 188.980	1001.24	ug/L	1.62500	0.2	1073.65	100.12413
B 249.678	999.903	ug/L	18.0651	1.8	29894.4	99.99033
Ba 493.408	993.360	ug/L	1.20226	0.1	2434983	99.33600
Be 313.042	996.339	ug/L	0.003496	0.0	3406007	99.63389
Ca 373.690	19896.2	ug/L	13.8010	0.1	98877.5	99.48103
Cd 214.439	993.270	ug/L	1.92974	0.2	39225.7	99.32703
Co 228.615	995.840	ug/L	0.071729	0.0	8968.19	99.58396
Cr 267.716	997.311	ug/L	1.15548	0.1	47722.4	99.73112
Cu 327.395	991.501	ug/L	0.638442	0.1	68002.4	99.15013
Fe 273.955	5010.88	ug/L	11.3690	0.2	79497.4	100.21768
K 404.721	20078.1	ug/L	271.017	1.3	286.000	100.39060
Li 610.365	4983.51	ug/L	0.743705	0.0	375074	99.67023
Mg 279.078	19882.5	ug/L	17.5948	0.1	89147.2	99.41273
Mn 257.610	995.215	ug/L	1.09804	0.1	300837	99.52154
Mo 202.032	995.841	ug/L	3.16545	0.3	9259.71	99.58407
Na 330.237	19914.4	ug/L	66.0482	0.3	2727.05	99.57177
Ni 216.555	992.340	ug/L	0.460802	0.0	8589.97	99.23405
Pb 220.353	991.277	ug/L	1.85288	0.2	5107.53	99.12767
Sb 217.582	993.926	ug/L	1.08625	0.1	1959.52	99.39264
Se 196.026	1002.17	ug/L	4.40535	0.4	560.692	100.21706
Si 251.611	996.493	ug/L	10.7646	1.1	5274.59	99.64928
Si 288.158	997.863	ug/L	11.4271	1.1	12597.5	99.78625
Sn 283.998	992.972	ug/L	2.78255	0.3	4623.40	99.29716
Sr 421.552	995.702	ug/L	0.134784	0.0	2407682	99.57024
Ti 336.122	993.430	ug/L	0.850522	0.1	242960	99.34296
Tl 190.794	991.851	ug/L	4.06513	0.4	811.378	99.18512
V 292.401	996.262	ug/L	0.731060	0.1	38843.5	99.62622
Zn 202.548	991.612	ug/L	3.26705	0.3	24300.1	99.16124
Zr 339.198	1009.46	ug/L	0.053128	0.0	58704.0	100.94566

ICV (ICV) **9/23/2009, 10:45:53 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	984.359	ug/L	1.52414	0.2	8420.14	98.43590
Al 237.312	986.831	ug/L	2.59680	0.3	4455.22	98.68307
As 188.980	981.139	ug/L	1.84537	0.2	1052.13	98.11395
B 249.678	969.733	ug/L	15.3688	1.6	28993.6	96.97332
Ba 493.408	986.966	ug/L	1.52643	0.2	2419309	98.69655
Be 313.042	992.291	ug/L	1.74899	0.2	3392169	99.22908
Ca 373.690	9993.15	ug/L	15.2242	0.2	50040.6	99.93147

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	991.027	ug/L	0.664898	0.1	39137.1	99.10268
Co 228.615	996.643	ug/L	0.208153	0.0	8975.42	99.66434
Cr 267.716	984.616	ug/L	1.90795	0.2	47115.3	98.46162
Cu 327.395	975.922	ug/L	0.046784	0.0	66935.0	97.59221
Fe 273.955	974.105	ug/L	2.39020	0.2	15767.0	97.41053
K 404.721	8864.48	ug/L	103.874	1.2	129.260	88.64484Q
Li 610.365	9973.67	ug/L	18.9697	0.2	750642	99.73670
Mg 279.078	9851.37	ug/L	4.90693	0.0	44489.2	98.51373
Mn 257.610	991.436	ug/L	1.32453	0.1	299695	99.14361
Mo 202.032	972.054	ug/L	4.48731	0.5	9038.73	97.20536
Na 330.237	9249.47	ug/L	5.65754	0.1	1244.54	92.49473
Ni 216.555	995.235	ug/L	1.19691	0.1	8615.01	99.52348
Pb 220.353	992.879	ug/L	0.136467	0.0	5115.77	99.28793
Sb 217.582	949.708	ug/L	0.065212	0.0	1872.53	94.97075
Se 196.026	994.271	ug/L	3.68840	0.4	556.288	99.42714
Si 251.611	562.486	ug/L	21.3551	3.8	2995.85	112.49717Q
Si 288.158	558.065	ug/L	22.2162	4.0	7242.46	111.61299Q
Sn 283.998	982.173	ug/L	0.771801	0.1	4573.27	98.21730
Sr 421.552	987.871	ug/L	2.80439	0.3	2388747	98.78715
Ti 336.122	955.681	ug/L	2.33841	0.2	233729	95.56808
Tl 190.794	982.928	ug/L	4.14661	0.4	804.096	98.29283
V 292.401	994.319	ug/L	2.12180	0.2	38767.8	99.43190
Zn 202.548	999.040	ug/L	1.29056	0.1	24481.7	99.90401
Zr 339.198	1018.70	ug/L	3.68818	0.4	59241.8	101.87047

ICB (ICB) **9/23/2009, 10:48:47 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	0.404189	ug/L	0.042697	10.6	5.84839	0.40419
Al 237.312	-3.76670uv	ug/L	0.109078	2.9	12.0624	-3.76670
As 188.980	2.11723	ug/L	0.331900	15.7	3.82179	2.11723
B 249.678	30.5091	ug/L	5.31862	17.4	952.687	30.50914
Ba 493.408	0.102732	ug/L	0.026376	25.7	380.065	0.10273
Be 313.042	0.073394	ug/L	0.031503	42.9	406.264	0.07339
Ca 373.690	-0.230210uv	ug/L	0.749984	325.8	35.9932	-0.23021
Cd 214.439	0.079412	ug/L	0.018928	23.8	6.24834	0.07941
Co 228.615	0.306542	ug/L	0.153202	50.0	14.9266	0.30654
Cr 267.716	0.021236	ug/L	0.022748	107.1	25.5420	0.02124
Cu 327.395	0.154823	ug/L	0.054189	35.0	82.6938	0.15482
Fe 273.955	0.718528	ug/L	0.206104	28.7	32.3607	0.71853
K 404.721	-242.190uv	ug/L	85.1616	35.2	12.5073	-242.19025
Li 610.365	-0.089739uv	ug/L	0.068630	76.5	-0.074219	-0.08974
Mg 279.078	1.04045	ug/L	0.107622	10.3	16.9943	1.04045
Mn 257.610	0.048823	ug/L	0.027667	56.7	74.3295	0.04882
Mo 202.032	11.4420	ug/L	2.34573	20.5	114.587	11.44196
Na 330.237	-27.1445uv	ug/L	28.0103	103.2	7.19019	-27.14454
Ni 216.555	0.233499	ug/L	0.131947	56.5	6.44565	0.23350
Pb 220.353	0.147158uv	ug/L	0.228622	155.4	5.81784	0.14716
Sb 217.582	1.27443	ug/L	1.45961	114.5	6.82231	1.27443
Se 196.026	3.20236	ug/L	0.761834	23.8	3.78199	3.20236
Si 251.611	0.566932uv	ug/L	0.985264	173.8	45.5183	0.56693
Si 288.158	0.669824	ug/L	0.621136	92.7	455.583	0.66982
Sn 283.998	-1.11862uv	ug/L	0.621239	55.5	8.19861	-1.11862

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.086717	ug/L	0.033949	39.1	236.940	0.08672
Ti 336.122	0.492147	ug/L	0.116644	23.7	156.091	0.49215
Tl 190.794	1.54725	ug/L	0.500681	32.4	3.19855	1.54725
V 292.401	0.171358	ug/L	0.155143	90.5	17.9119	0.17136
Zn 202.548	0.135487	ug/L	0.021020	15.5	52.2071	0.13549
Zr 339.198	0.146898	ug/L	0.089299	60.8	12.0134	0.14690

CRI-RL (CRI) **9/23/2009, 10:51:41 AM** **Rack 0, Tube 8**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	3.82802	ug/L	0.071474	1.9	35.1273	76.56035
Al 237.312	97.6402	ug/L	0.527627	0.5	468.059	97.64017
As 188.980	9.72030	ug/L	0.558773	5.7	11.9629	97.20300
B 249.678	20.4796	ug/L	1.04928	5.1	653.251	204.79630R
Ba 493.408	11.0279	ug/L	0.010726	0.1	27159.1	110.27925
Be 313.042	1.01228	ug/L	0.003340	0.3	3615.72	101.22797
Ca 373.690	412.513	ug/L	1.40431	0.3	2115.63	103.12819
Cd 214.439	1.07248	ug/L	0.041507	3.9	45.4630	107.24827
Co 228.615	10.6660	ug/L	0.244699	2.3	108.094	106.66042
Cr 267.716	5.23106	ug/L	0.051334	1.0	274.710	104.62119
Cu 327.395	10.8575	ug/L	0.131402	1.2	815.962	108.57502
Fe 273.955	104.558	ug/L	0.001014	0.0	1717.71	104.55779
K 404.721	3567.71	ug/L	216.439	6.1	60.2059	89.19283
Li 610.365	80.2824	ug/L	0.045511	0.1	6048.87	-R
Mg 279.078	421.398	ug/L	1.03343	0.2	1927.35	105.34949
Mn 257.610	10.5784	ug/L	0.015713	0.1	3256.63	105.78442
Mo 202.032	12.8824	ug/L	1.00219	7.8	127.969	128.82422
Na 330.237	2021.11	ug/L	82.3038	4.1	276.221	101.05566
Ni 216.555	10.4715	ug/L	0.241995	2.3	95.0228	104.71487
Pb 220.353	5.08983	ug/L	0.164103	3.2	31.2596	101.79659
Sb 217.582	9.08305	ug/L	1.05500	11.6	22.1830	90.83049
Se 196.026	13.3504	ug/L	1.24574	9.3	9.43936	133.50385R
Si 251.611	95.5137	ug/L	0.699926	0.7	544.033	95.51369
Si 288.158	97.8397	ug/L	0.298208	0.3	1638.73	97.83968
Sn 283.998	28.8871	ug/L	0.606625	2.1	147.505	57.77429R
Sr 421.552	21.8332	ug/L	0.004861	0.0	52821.0	109.16608
Ti 336.122	10.3528	ug/L	0.014031	0.1	2567.33	103.52802
Tl 190.794	10.7891	ug/L	1.08319	10.0	10.7408	107.89135
V 292.401	10.3833	ug/L	0.031058	0.3	415.954	103.83320
Zn 202.548	51.4736	ug/L	0.087501	0.2	1307.75	102.94716
Zr 339.198	9.50607	ug/L	0.085761	0.9	556.255	-R

CRI2-MCP (CRI) **9/23/2009, 10:54:35 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	7.44888	ug/L	0.155181	2.1	66.0911	106.41257
Al 237.312	-4.01356uv	ug/L	0.066898	1.7	10.9520	-
As 188.980	48.7857	ug/L	0.352558	0.7	53.7928	97.57135
B 249.678	5.65415	ug/L	0.781289	13.8	210.630	-
Ba 493.408	2121.94	ug/L	5.07646	0.2	5201279	106.09697
Be 313.042	4.16916	ug/L	0.012788	0.3	14407.1	104.22891

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	13.0757	ug/L	0.343966	2.6	103.056	-
Cd 214.439	5.16738	ug/L	0.024185	0.5	207.164	103.34761
Co 228.615	0.081153	ug/L	0.081946	101.0	12.8995	-
Cr 267.716	106.869	ug/L	0.361079	0.3	5135.70	106.86903
Cu 327.395	0.237856	ug/L	0.070122	29.5	88.3827	-
Fe 273.955	1.12586	ug/L	0.312046	27.7	38.9749	-
K 404.721	-64.8463uv	ug/L	417.961	644.5	14.6953	-
Li 610.365	-0.076322uv	ug/L	0.005395	7.1	0.935547	-
Mg 279.078	0.163156	ug/L	0.192972	118.3	13.0062	-
Mn 257.610	0.047105	ug/L	0.000767	1.6	73.8101	-
Mo 202.032	1.34306	ug/L	0.712435	53.0	20.7679	-
Na 330.237	58.2313	ug/L	21.9038	37.6	18.3569	-
Ni 216.555	109.972	ug/L	0.463354	0.4	955.881	109.97183
Pb 220.353	16.7678	ug/L	0.140292	0.8	91.3704	111.78530
Sb 217.582	6.36748	ug/L	0.062967	1.0	16.8411	106.12461
Se 196.026	49.4390	ug/L	0.847814	1.7	29.5582	98.87800
Si 251.611	0.262486uv	ug/L	1.29059	491.7	43.9198	-
Si 288.158	0.273734uv	ug/L	1.14263	417.4	450.760	-
Sn 283.998	48.2302	ug/L	0.557674	1.2	237.307	-
Sr 421.552	0.025070	ug/L	0.000420	1.7	87.8755	-
Ti 336.122	0.040276	ug/L	0.055772	138.5	45.5947	-
Tl 190.794	2.02330	ug/L	1.37895	68.2	3.58706	101.16497
V 292.401	51.8177	ug/L	0.124002	0.2	2030.98	103.63545
Zn 202.548	943.410	ug/L	2.59718	0.3	23121.2	104.82331
Zr 339.198	0.018704	ug/L	0.008894	47.6	4.55884	-

Interf Check A (ICSA) **9/23/2009, 10:57:30 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	0.376838	ug/L	0.215158	57.1	5.61450	0.37684
Al 237.312	114656	ug/L	292.234	0.3	4504034	656.21094K
As 188.980	0.809324	ug/L	0.431275	53.3	2.42133	0.80932
B 249.678	3.43488	ug/L	0.396661	11.5	144.373	3.43488
Ba 493.408	0.474033	ug/L	0.018375	3.9	1290.17	0.47403
Be 313.042	0.006548	ug/L	0.000472	7.2	177.760	0.00655
Ca 373.690	106348	ug/L	256.028	0.2	4950946	347.51563K
Cd 214.439	0.592862	ug/L	0.051932	8.8	26.5236	0.59286
Co 228.615	2.17390	ug/L	0.467074	21.5	31.7205	2.17390
Cr 267.716	0.376673	ug/L	0.090115	23.9	42.5413	0.37667
Cu 327.395	0.749408	ug/L	0.131001	17.5	123.430	0.74941
Fe 273.955	44321.1	ug/L	12.9599	0.0	5998504	321.06250K
K 404.721	1891.41	ug/L	663.095	35.1	39.0288	1891.41418
Li 610.365	1.03039	ug/L	0.012588	1.2	84.2285	1.03039
Mg 279.078	111527	ug/L	326.496	0.3	4680981	526.54688K
Mn 257.610	3.22490	ug/L	0.001195	0.0	1034.22	3.22490
Mo 202.032	0.897279	ug/L	0.280776	31.3	16.6266	0.89728
Na 330.237	146.557	ug/L	58.3981	39.8	29.9139	146.55682
Ni 216.555	4.94906	ug/L	0.110073	2.2	47.2438	4.94906
Pb 220.353	-0.922719uv	ug/L	0.354935	38.5	0.310791	-0.92272
Sb 217.582	0.042841uv	ug/L	1.89553	4424.6	4.39960	0.04284
Se 196.026	0.394214uv	ug/L	1.37925	349.9	2.21649	0.39421
Si 251.611	-0.207338uv	ug/L	1.79447	865.5	41.4530	-0.20734
Si 288.158	-0.058198uv	ug/L	0.825733	1418.8	446.719	-0.05820

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 283.998	1.84955	ug/L	0.169709	9.2	21.9788	1.84955
Sr 421.552	0.609803	ug/L	0.001310	0.2	1501.79	0.60980
Ti 336.122	1.67990	ug/L	0.085703	5.1	446.535	1.67990
Tl 190.794	-1.52587uv	ug/L	0.237516	15.6	0.690605	-1.52587
V 292.401	1.71791	ug/L	0.125899	7.3	78.1934	1.71791
Zn 202.548	0.060093uv	ug/L	0.616702	1026.2	50.3633	0.06009
Zr 339.198	0.546371	ug/L	0.099657	18.2	35.2430	0.54637

Interf Check AB (ICSAB) **9/23/2009, 11:00:24 AM** **Rack 0, Tube 11**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	613.455	ug/L	0.640470	0.1	5248.35	102.24249
Al 237.312	111924	ug/L	187.195	0.2	439861	111.92381
As 188.980	1988.62	ug/L	6.97310	0.4	2130.90	99.43093
B 249.678	2.48047	ug/L	0.586165	23.6	115.879	-
Ba 493.408	592.600	ug/L	1.07775	0.2	1452667	98.76659
Be 313.042	193.402	ug/L	0.275426	0.1	661275	96.70113
Ca 373.690	102982	ug/L	3.56316	0.0	480578	102.98227
Cd 214.439	575.280	ug/L	0.471764	0.1	22719.9	95.87997
Co 228.615	579.681	ug/L	0.325285	0.1	5225.49	96.61344
Cr 267.716	575.397	ug/L	1.61896	0.3	27543.7	95.89948
Cu 327.395	605.396	ug/L	0.243845	0.0	41549.3	100.89939
Fe 273.955	43159.0	ug/L	63.3579	0.1	585358	107.89750
K 404.721	42722.0	ug/L	41.8243	0.1	646.172	106.80500
Li 610.365	1.01854	ug/L	0.027947	2.7	83.3369	-
Mg 279.078	107314	ug/L	138.427	0.1	451612	107.31400
Mn 257.610	387.649	ug/L	0.503701	0.1	117216	96.91230
Mo 202.032	0.594447	ug/L	0.190009	32.0	13.8133	-
Na 330.237	-12.2562uv	ug/L	13.3571	109.0	9.13733	-
Ni 216.555	582.922	ug/L	0.506161	0.1	5047.76	97.15372
Pb 220.353	1884.57	ug/L	0.587126	0.0	9705.61	94.22830
Sb 217.582	942.379	ug/L	2.95540	0.3	1858.11	94.23790
Se 196.026	985.813	ug/L	2.29568	0.2	551.573	98.58134
Si 251.611	-1.24002uv	ug/L	0.992555	80.0	36.0309	-
Si 288.158	0.268070	ug/L	0.069926	26.1	450.691	-
Sn 283.998	254.329	ug/L	0.601088	0.2	1194.15	-
Sr 421.552	0.637104	ug/L	0.000206	0.0	1567.80	-
Ti 336.122	1.72882	ug/L	0.055755	3.2	458.498	-
Tl 190.794	1874.64	ug/L	8.13820	0.4	1531.81	93.73186
V 292.401	592.556	ug/L	0.781598	0.1	23107.9	98.75928
Zn 202.548	554.264	ug/L	2.05274	0.4	13604.1	92.37726
Zr 339.198	1.64144	ug/L	0.029227	1.8	98.9218	-

RB (ICSAB) **9/23/2009, 11:03:18 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	-0.057506uv	ug/L	0.284735	495.1	1.90021	-
Al 237.312	-0.299944uv	ug/L	0.179431	59.8	27.6555	-
As 188.980	1.68126	ug/L	0.816515	48.6	3.35497	-
B 249.678	0.959772	ug/L	0.008876	0.9	70.4774	-
Ba 493.408	0.024740	ug/L	0.003492	14.1	188.896	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	0.006344	ug/L	0.001255	19.8	177.064	-
Ca 373.690	0.483163	ug/L	0.374787	77.6	39.5886	-
Cd 214.439	0.035287	ug/L	0.032330	91.6	4.50592	-
Co 228.615	-0.097896uv	ug/L	0.067496	68.9	11.2893	-
Cr 267.716	-0.028726uv	ug/L	0.061541	214.2	23.1525	-
Cu 327.395	-0.104095uv	ug/L	0.050538	48.6	64.9547	-
Fe 273.955	5.70297	ug/L	1.09559	19.2	113.297	-
K 404.721	-497.965uv	ug/L	34.4035	6.9	9.35388	-
Li 610.365	0.210425	ug/L	0.008166	3.9	22.5166	-
Mg 279.078	1.51684	ug/L	1.29097	85.1	19.1599	-
Mn 257.610	-0.025892uv	ug/L	0.006602	25.5	51.7486	-
Mo 202.032	0.421358	ug/L	0.200682	47.6	12.2053	-
Na 330.237	-20.4802uv	ug/L	27.6777	135.1	8.06177	-
Ni 216.555	0.023931uv	ug/L	0.383131	1601.0	4.63251	-
Pb 220.353	0.356889uv	ug/L	0.603151	169.0	6.89740	-
Sb 217.582	1.34921	ug/L	0.890636	66.0	6.96942	-
Se 196.026	4.72811	ug/L	1.39174	29.4	4.63257	-
Si 251.611	-0.052189uv	ug/L	0.330383	633.0	42.2676	-
Si 288.158	-0.105498uv	ug/L	0.962155	912.0	446.143	-
Sn 283.998	-1.28591uv	ug/L	0.639478	49.7	7.42194	-
Sr 421.552	0.003953	ug/L	0.003975	100.5	36.8130	-
Ti 336.122	0.011035	ug/L	0.009478	85.9	38.4446	-
Tl 190.794	5.55929	ug/L	0.414976	7.5	6.47275	-
V 292.401	0.095940	ug/L	0.021412	22.3	14.9722	-
Zn 202.548	-0.095023uv	ug/L	0.069617	73.3	46.5697	-
Zr 339.198	0.003800uv	ug/L	0.012528	329.7	3.69214	-

CCV (CCV) **9/23/2009, 11:06:15 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	991.577	ug/L	0.196630	0.0	8481.86	99.15770
Al 237.312	4940.11	ug/L	8.91272	0.2	21936.9	98.80211
As 188.980	994.173	ug/L	1.65568	0.2	1066.08	99.41734
B 249.678	986.289	ug/L	10.6121	1.1	29487.9	98.62886
Ba 493.408	987.750	ug/L	0.238062	0.0	2421232	98.77495
Be 313.042	992.158	ug/L	2.15606	0.2	3391715	99.21581
Ca 373.690	19812.0	ug/L	18.5961	0.1	98465.1	99.05994
Cd 214.439	993.439	ug/L	0.945643	0.1	39232.3	99.34386
Co 228.615	992.661	ug/L	1.77437	0.2	8939.61	99.26615
Cr 267.716	991.956	ug/L	1.10593	0.1	47466.3	99.19563
Cu 327.395	983.416	ug/L	3.26894	0.3	67448.4	98.34157
Fe 273.955	5001.91	ug/L	6.44234	0.1	79358.4	100.03824
K 404.721	19890.1	ug/L	304.298	1.5	283.255	99.45066
Li 610.365	4964.76	ug/L	5.08751	0.1	373663	99.29521
Mg 279.078	19856.8	ug/L	21.4535	0.1	89033.6	99.28419
Mn 257.610	990.897	ug/L	1.37938	0.1	299532	99.08974
Mo 202.032	992.455	ug/L	3.37883	0.3	9228.26	99.24551
Na 330.237	19922.7	ug/L	28.9417	0.1	2728.22	99.61329
Ni 216.555	990.455	ug/L	1.97467	0.2	8573.66	99.04554
Pb 220.353	991.997	ug/L	1.84010	0.2	5111.23	99.19966
Sb 217.582	989.684	ug/L	0.274789	0.0	1951.17	98.96838
Se 196.026	998.913	ug/L	0.935501	0.1	558.876	99.89128
Si 251.611	989.948	ug/L	5.79134	0.6	5240.22	98.99475

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	989.037	ug/L	7.40416	0.7	12490.0	98.90371
Sn 283.998	988.902	ug/L	0.279666	0.0	4604.51	98.89024
Sr 421.552	989.362	ug/L	1.15444	0.1	2392350	98.93616
Ti 336.122	987.709	ug/L	3.53100	0.4	241561	98.77091
Tl 190.794	996.443	ug/L	0.804040	0.1	815.125	99.64427
V 292.401	989.887	ug/L	1.50006	0.2	38595.0	98.98866
Zn 202.548	993.198	ug/L	1.76336	0.2	24338.8	99.31981
Zr 339.198	970.515	ug/L	5.68978	0.6	56439.5	97.05145

CCB (CCB) **9/23/2009, 11:09:12 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	0.009742uv	ug/L	0.447608	4594.4	2.47528	0.00974
Al 237.312	-4.21386uv	ug/L	0.459668	10.9	10.0511	-4.21386
As 188.980	1.67412	ug/L	0.373375	22.3	3.34732	1.67412
B 249.678	20.0538	ug/L	3.74642	18.7	640.538	20.05380
Ba 493.408	0.055509	ug/L	0.037894	68.3	264.315	0.05551
Be 313.042	0.055209	ug/L	0.033192	60.1	344.101	0.05521
Ca 373.690	-2.46672uv	ug/L	0.679288	27.5	24.7209	-2.46672
Cd 214.439	0.028828uv	ug/L	0.050600	175.5	4.25085	0.02883
Co 228.615	0.022971uv	ug/L	0.061661	268.4	12.3763	0.02297
Cr 267.716	-0.045501uv	ug/L	0.058482	128.5	22.3502	-0.04550
Cu 327.395	-0.007677uv	ug/L	0.044524	579.9	71.5605	-0.00768
Fe 273.955	1.33541	ug/L	0.982232	73.6	42.3777	1.33541
K 404.721	-136.783uv	ug/L	96.5594	70.6	13.8069	-136.78339
Li 610.365	0.032400uv	ug/L	0.078888	243.5	9.11816	0.03240
Mg 279.078	0.654224	ug/L	0.552162	84.4	15.2385	0.65422
Mn 257.610	-0.050403uv	ug/L	0.040740	80.8	44.3408	-0.05040
Mo 202.032	10.1768	ug/L	2.00154	19.7	102.834	10.17683
Na 330.237	-20.7808uv	ug/L	12.1783	58.6	8.02246	-20.78076
Ni 216.555	-0.014427uv	ug/L	0.226349	1569.0	4.30064	-0.01443
Pb 220.353	0.456889	ug/L	0.184787	40.4	7.41214	0.45689
Sb 217.582	0.539408	ug/L	0.270328	50.1	5.37642	0.53941
Se 196.026	3.00049	ug/L	0.356085	11.9	3.66945	3.00049
Si 251.611	0.108180uv	ug/L	1.09853	1015.5	43.1096	0.10818
Si 288.158	-0.002286uv	ug/L	0.944248	41309.1	447.399	-0.00229
Sn 283.998	-0.904056uv	ug/L	0.205165	22.7	9.19476	-0.90406
Sr 421.552	0.054091	ug/L	0.037792	69.9	158.050	0.05409
Ti 336.122	0.340619	ug/L	0.110087	32.3	119.038	0.34062
Tl 190.794	1.42278	ug/L	0.294446	20.7	3.09698	1.42278
V 292.401	0.094529	ug/L	0.044007	46.6	14.9172	0.09453
Zn 202.548	-0.149497uv	ug/L	0.050760	34.0	45.2374	-0.14950
Zr 339.198	0.603659	ug/L	0.102198	16.9	38.5743	0.60366

ICB RR (Samp) **9/23/2009, 11:12:08 AM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.137958	ug/L	0.012042	8.7	3.57172
Al 237.312	-4.71456uv	ug/L	0.372083	7.9	7.79901
As 188.980	0.847518	ug/L	0.023534	2.8	2.46222
B 249.678	6.77780	ug/L	1.02581	15.1	244.177

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	0.013471	ug/L	0.004012	29.8	161.274
Be 313.042	0.013871	ug/L	0.005401	38.9	202.795
Ca 373.690	-2.06109uv	ug/L	0.152902	7.4	26.7654
Cd 214.439	0.025980uv	ug/L	0.038209	147.1	4.13840
Co 228.615	0.040046	ug/L	0.032373	80.8	12.5298
Cr 267.716	0.017130uv	ug/L	0.084516	493.4	25.3456
Cu 327.395	0.019435uv	ug/L	0.116863	601.3	73.4181
Fe 273.955	0.523841	ug/L	0.098610	18.8	29.1993
K 404.721	-66.1165uv	ug/L	333.355	504.2	14.6790
Li 610.365	-0.016362uv	ug/L	0.030186	184.5	5.44824
Mg 279.078	1.08138	ug/L	0.261252	24.2	17.1804
Mn 257.610	-0.075775uv	ug/L	0.006008	7.9	36.6729
Mo 202.032	2.48411	ug/L	0.878978	35.4	31.3684
Na 330.237	-3.23362uv	ug/L	31.6530	978.9	10.3174
Ni 216.555	-0.035534uv	ug/L	0.295453	831.5	4.11803
Pb 220.353	0.004097uv	ug/L	0.128913	3146.7	5.08145
Sb 217.582	0.809617uv	ug/L	1.14687	141.7	5.90796
Se 196.026	-0.785951uv	ug/L	1.26944	161.5	1.55857
Si 251.611	-0.084169uv	ug/L	0.323133	383.9	42.0997
Si 288.158	0.316202uv	ug/L	0.579984	183.4	451.277
Sn 283.998	-1.06965uv	ug/L	1.14202	106.8	8.42596
Sr 421.552	0.016891	ug/L	0.002241	13.3	68.0974
Ti 336.122	0.088992	ug/L	0.037191	41.8	57.5073
Tl 190.794	0.874486	ug/L	0.825019	94.3	2.64952
V 292.401	0.040437	ug/L	0.009943	24.6	12.8088
Zn 202.548	-0.199883uv	ug/L	0.030725	15.4	44.0052
Zr 339.198	0.269412	ug/L	0.029966	11.1	19.1377

ICVNa K Mg Ca 75ppm (Samp) 9/23/2009, 11:15:03 AM Rack 1, Tube 2
Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.116011uv	ug/L	0.254787	219.6	3.38403
Al 237.312	-0.292820uv	ug/L	0.050260	17.2	27.6876
As 188.980	1.14602	ug/L	1.16030	101.2	2.78185
B 249.678	3.44846	ug/L	0.091089	2.6	144.778
Ba 493.408	0.263468	ug/L	0.010041	3.8	774.050
Be 313.042	0.045094	ug/L	0.005512	12.2	309.525
Ca 373.690	76719.1	ug/L	130.892	0.2	365324
Cd 214.439	0.030048	ug/L	0.017637	58.7	4.29904
Co 228.615	0.458061	ug/L	0.169796	37.1	16.2892
Cr 267.716	0.114095	ug/L	0.038590	33.8	29.9832
Cu 327.395	0.077995	ug/L	0.070835	90.8	77.4302
Fe 273.955	4.59873	ug/L	0.630236	13.7	95.3671
K 404.721	76786.6	ug/L	181.931	0.2	1298.04
Li 610.365	0.913791	ug/L	0.009322	1.0	75.4531
Mg 279.078	77619.1	ug/L	116.236	0.1	333815
Mn 257.610	3.74185	ug/L	0.005424	0.1	1190.45
Mo 202.032	1.17936	ug/L	0.542485	46.0	19.2472
Na 330.237	77105.6	ug/L	228.268	0.3	11771.5
Ni 216.555	0.755282	ug/L	0.009388	1.2	10.9600
Pb 220.353	0.400904	ug/L	0.471614	117.6	7.12396
Sb 217.582	0.686190	ug/L	0.570450	83.1	5.66516
Se 196.026	1.47376	ug/L	1.79128	121.5	2.81832

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	3.84510	ug/L	0.709108	18.4	62.7302
Si 288.158	2.41776	ug/L	0.247833	10.3	476.866
Sn 283.998	-1.01973uv	ug/L	0.426133	41.8	8.65771
Sr 421.552	0.505973	ug/L	0.007645	1.5	1250.72
Ti 336.122	1.45169	ug/L	0.027573	1.9	390.729
Tl 190.794	1.03701	ug/L	0.371287	35.8	2.78216
V 292.401	1.59745	ug/L	0.001484	0.1	73.4979
Zn 202.548	-0.179136uv	ug/L	0.696405	388.8	44.5126
Zr 339.198	0.552648	ug/L	0.073598	13.3	35.6080

ICV Sb 1ppm (Samp) **9/23/2009, 11:17:58 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.033310uv	ug/L	0.459740	1380.2	2.67682
Al 237.312	-4.15409uv	ug/L	0.175477	4.2	10.3199
As 188.980	0.535179uv	ug/L	0.794659	148.5	2.12778
B 249.678	1.67267	ug/L	0.060920	3.6	91.7613
Ba 493.408	0.016046	ug/L	0.009347	58.3	167.585
Be 313.042	0.014399	ug/L	0.005739	39.9	204.599
Ca 373.690	2.58282	ug/L	0.201986	7.8	50.1710
Cd 214.439	0.100184	ug/L	0.001202	1.2	7.06862
Co 228.615	-0.068447uv	ug/L	0.029333	42.9	11.5541
Cr 267.716	-0.008808uv	ug/L	0.007096	80.6	24.1051
Cu 327.395	-0.063034uv	ug/L	0.078805	125.0	67.7679
Fe 273.955	1.28338	ug/L	0.045816	3.6	41.5328
K 404.721	-289.453uv	ug/L	554.356	191.5	11.9249
Li 610.365	-0.089791uv	ug/L	0.050243	56.0	-0.078125
Mg 279.078	4.49095	ug/L	1.71762	38.2	32.6800
Mn 257.610	0.270334	ug/L	0.002716	1.0	141.275
Mo 202.032	0.706770	ug/L	0.224570	31.8	14.8568
Na 330.237	-33.5793uv	ug/L	53.4810	159.3	6.34863
Ni 216.555	0.082026	ug/L	0.034075	41.5	5.13513
Pb 220.353	0.206831uv	ug/L	0.313465	151.6	6.12500
Sb 217.582	990.888	ug/L	1.69746	0.2	1953.54
Se 196.026	0.316276uv	ug/L	1.39030	439.6	2.17304
Si 251.611	2.09849	ug/L	0.426359	20.3	53.5597
Si 288.158	2.70200	ug/L	1.11524	41.3	480.327
Sn 283.998	-0.203392uv	ug/L	0.291841	143.5	12.4477
Sr 421.552	0.017282	ug/L	0.006136	35.5	69.0439
Ti 336.122	0.050081	ug/L	0.008157	16.3	47.9924
Tl 190.794	0.575660	ug/L	0.363532	63.2	2.40565
V 292.401	0.092874	ug/L	0.038583	41.5	14.8527
Zn 202.548	-0.972325uv	ug/L	0.061950	6.4	25.1141
Zr 339.198	15.3562	ug/L	1.70670	11.1	896.442

CRI RL B Se (Samp) **9/23/2009, 11:22:42 AM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	3.75840	ug/L	0.476758	12.7	34.5319
Al 237.312	98.0998	ug/L	0.189686	0.2	470.125
As 188.980	9.03203	ug/L	1.39994	15.5	11.2259

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	9.89497	ug/L	0.136997	1.4	337.242
Ba 493.408	10.9493	ug/L	0.000220	0.0	26966.3
Be 313.042	1.00381	ug/L	0.001080	0.1	3586.75
Ca 373.690	410.010	ug/L	0.399064	0.1	2103.03
Cd 214.439	1.03525	ug/L	0.019008	1.8	43.9928
Co 228.615	10.3295	ug/L	0.224575	2.2	105.068
Cr 267.716	5.10454	ug/L	0.132235	2.6	268.659
Cu 327.395	10.6747	ug/L	0.092958	0.9	803.434
Fe 273.955	104.540	ug/L	0.002131	0.0	1717.42
K 404.721	3445.79	ug/L	77.3771	2.2	58.6528
Li 610.365	79.7850	ug/L	0.059418	0.1	6011.43
Mg 279.078	419.879	ug/L	0.367839	0.1	1920.45
Mn 257.610	10.5651	ug/L	0.014953	0.1	3252.60
Mo 202.032	9.87909	ug/L	0.277214	2.8	100.068
Na 330.237	1974.72	ug/L	24.5436	1.2	270.100
Ni 216.555	10.4325	ug/L	0.133324	1.3	94.6858
Pb 220.353	5.88340	ug/L	0.659764	11.2	35.3444
Sb 217.582	9.12739	ug/L	0.723589	7.9	22.2703
Se 196.026	12.5372	ug/L	2.01361	16.1	8.98605
Si 251.611	95.0051	ug/L	0.901999	0.9	541.363
Si 288.158	97.4425	ug/L	0.641689	0.7	1633.89
Sn 283.998	28.7372	ug/L	0.168408	0.6	146.808
Sr 421.552	21.6650	ug/L	0.020127	0.1	52414.3
Ti 336.122	10.1303	ug/L	0.004561	0.0	2512.91
Tl 190.794	9.78028	ug/L	1.06420	10.9	9.91747
V 292.401	10.3121	ug/L	0.128746	1.2	413.177
Zn 202.548	51.7249	ug/L	0.236413	0.5	1313.89
Zr 339.198	11.0802	ug/L	0.342570	3.1	647.792

CCV (CCV) **9/23/2009, 11:44:10 AM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	995.204	ug/L	0.059645	0.0	8512.88	99.52037
Al 237.312	4955.35	ug/L	3.40364	0.1	22003.6	99.10706
As 188.980	1001.25	ug/L	2.16513	0.2	1073.66	100.12500
B 249.678	998.396	ug/L	14.4120	1.4	29849.4	99.83959
Ba 493.408	991.277	ug/L	1.68827	0.2	2429879	99.12774
Be 313.042	997.759	ug/L	1.07067	0.1	3410862	99.77592
Ca 373.690	19938.9	ug/L	2.98311	0.0	99086.3	99.69434
Cd 214.439	997.010	ug/L	1.85529	0.2	39373.4	99.70103
Co 228.615	996.809	ug/L	0.245183	0.0	8976.90	99.68089
Cr 267.716	1000.33	ug/L	0.817247	0.1	47866.8	100.03302
Cu 327.395	991.819	ug/L	0.751819	0.1	68024.1	99.18188
Fe 273.955	5029.64	ug/L	8.70763	0.2	79787.7	100.59271
K 404.721	19881.9	ug/L	209.518	1.1	283.134	99.40957
Li 610.365	4995.35	ug/L	0.253081	0.0	375965	99.90705
Mg 279.078	19967.6	ug/L	18.5339	0.1	89522.9	99.83778
Mn 257.610	996.254	ug/L	0.351352	0.0	301151	99.62537
Mo 202.032	1000.19	ug/L	1.87476	0.2	9300.08	100.01859
Na 330.237	19945.1	ug/L	25.7693	0.1	2731.42	99.72561
Ni 216.555	998.139	ug/L	1.42651	0.1	8640.14	99.81390
Pb 220.353	994.772	ug/L	1.54140	0.2	5125.52	99.47723
Sb 217.582	993.543	ug/L	1.51387	0.2	1958.76	99.35435

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Se 196.026	996.399	ug/L	7.56674	0.8	557.474	99.63985
Si 251.611	1001.41	ug/L	7.90959	0.8	5300.40	100.14091
Si 288.158	999.061	ug/L	5.45669	0.5	12612.1	99.90608
Sn 283.998	992.528	ug/L	1.24024	0.1	4621.34	99.25283
Sr 421.552	993.635	ug/L	0.353553	0.0	2402683	99.36349
Ti 336.122	994.211	ug/L	1.13058	0.1	243151	99.42110
Tl 190.794	995.049	ug/L	1.92879	0.2	813.988	99.50491
V 292.401	995.315	ug/L	0.032067	0.0	38806.6	99.53148
Zn 202.548	997.124	ug/L	1.08807	0.1	24434.9	99.71243
Zr 339.198	1034.56	ug/L	5.62172	0.5	60163.7	103.45591

CCB (CCB) **9/23/2009, 11:47:04 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	0.228710	ug/L	0.240352	105.1	4.34778	0.22871
Al 237.312	-5.24988uv	ug/L	0.136463	2.6	5.39117	-5.24988
As 188.980	0.455017uv	ug/L	0.764959	168.1	2.04195	0.45502
B 249.678	25.3748	ug/L	3.94304	15.5	799.399	25.37482
Ba 493.408	0.055070	ug/L	0.006992	12.7	263.239	0.05507
Be 313.042	0.049712	ug/L	0.006140	12.4	325.310	0.04971
Ca 373.690	-2.14274uv	ug/L	0.193559	9.0	26.3539	-2.14274
Cd 214.439	0.074621	ug/L	0.035201	47.2	6.05917	0.07462
Co 228.615	0.032930uv	ug/L	0.221521	672.7	12.4659	0.03293
Cr 267.716	-0.002776uv	ug/L	0.005943	214.1	24.3936	-0.00278
Cu 327.395	0.021181uv	ug/L	0.126256	596.1	73.5377	0.02118
Fe 273.955	1.70346	ug/L	0.629464	37.0	48.3541	1.70346
K 404.721	250.577	ug/L	83.2326	33.2	18.5864	250.57730
Li 610.365	-0.114457uv	ug/L	0.144324	126.1	-1.93457	-0.11446
Mg 279.078	1.52288	ug/L	0.269891	17.7	19.1874	1.52288
Mn 257.610	-0.027339uv	ug/L	0.020972	76.7	51.3113	-0.02734
Mo 202.032	10.1128	ug/L	2.20067	21.8	102.240	10.11282
Na 330.237	-18.3176uv	ug/L	29.4874	161.0	8.34460	-18.31758
Ni 216.555	-0.238349uv	ug/L	0.180584	75.8	2.36331	-0.23835
Pb 220.353	-0.275149uv	ug/L	0.113502	41.3	3.64407	-0.27515
Sb 217.582	0.365547uv	ug/L	0.857343	234.5	5.03441	0.36555
Se 196.026	4.44216	ug/L	0.452324	10.2	4.47316	4.44216
Si 251.611	2.49494	ug/L	0.179515	7.2	55.6412	2.49494
Si 288.158	2.27038	ug/L	0.260523	11.5	475.071	2.27038
Sn 283.998	-0.153987uv	ug/L	0.163927	106.5	12.6771	-0.15399
Sr 421.552	0.048832	ug/L	0.004409	9.0	145.332	0.04883
Ti 336.122	0.444604	ug/L	0.131260	29.5	144.466	0.44460
Tl 190.794	0.061080uv	ug/L	0.860829	1409.4	1.98571	0.06108
V 292.401	0.120479	ug/L	0.085453	70.9	15.9287	0.12048
Zn 202.548	-0.217752uv	ug/L	0.072838	33.5	43.5682	-0.21775
Zr 339.198	0.582835	ug/L	0.094017	16.1	37.3634	0.58283

CCV (CCV) **9/23/2009, 2:24:46 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	983.691	ug/L	0.669775	0.1	8414.42	98.36906
Al 237.312	4905.23	ug/L	6.26073	0.1	21784.5	98.10467

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	982.152	ug/L	1.17253	0.1	1053.21	98.21523
B 249.678	971.568	ug/L	17.4202	1.8	29048.4	97.15680
Ba 493.408	983.568	ug/L	2.17682	0.2	2410982	98.35680
Be 313.042	984.070	ug/L	0.218122	0.0	3364067	98.40700
Ca 373.690	19620.8	ug/L	13.6270	0.1	97529.1	98.10418
Cd 214.439	981.336	ug/L	0.075052	0.0	38754.4	98.13364
Co 228.615	982.601	ug/L	0.445955	0.0	8849.13	98.26013
Cr 267.716	989.440	ug/L	0.034225	0.0	47346.0	98.94405
Cu 327.395	979.612	ug/L	3.16221	0.3	67187.8	97.96120
Fe 273.955	4952.32	ug/L	0.231674	0.0	78590.3	99.04636
K 404.721	20340.3	ug/L	95.9925	0.5	289.835	101.70168
Li 610.365	4907.49	ug/L	2.45278	0.0	369353	98.14988
Mg 279.078	19616.8	ug/L	20.6912	0.1	87972.5	98.08417
Mn 257.610	983.712	ug/L	0.371939	0.0	297360	98.37117
Mo 202.032	983.996	ug/L	3.06032	0.3	9149.67	98.39957
Na 330.237	19719.7	ug/L	45.8017	0.2	2699.41	98.59853
Ni 216.555	987.701	ug/L	2.66102	0.3	8549.83	98.77010
Pb 220.353	980.444	ug/L	0.138840	0.0	5051.76	98.04437
Sb 217.582	980.983	ug/L	2.56132	0.3	1934.05	98.09831
Se 196.026	974.038	ug/L	3.06157	0.3	545.008	97.40382
Si 251.611	1004.99	ug/L	2.95885	0.3	5319.22	100.49922
Si 288.158	996.900	ug/L	5.28794	0.5	12585.7	99.69003
Sn 283.998	974.751	ug/L	1.58918	0.2	4538.81	97.47514
Sr 421.552	981.597	ug/L	0.785396	0.1	2373575	98.15974
Ti 336.122	981.621	ug/L	0.527438	0.1	240073	98.16215
Tl 190.794	978.053	ug/L	1.34771	0.1	800.118	97.80531
V 292.401	982.352	ug/L	0.347943	0.0	38301.3	98.23521
Zn 202.548	979.650	ug/L	0.543796	0.1	24007.5	97.96501
Zr 339.198	924.195	ug/L	11.6095	1.3	53746.0	92.41947

CCB (CCB) **9/23/2009, 2:27:40 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	0.193951uv	ug/L	0.319185	164.6	4.05054	0.19395
Al 237.312	-4.20474uv	ug/L	0.157112	3.7	10.0921	-4.20474
As 188.980	-0.086781uv	ug/L	0.623182	718.1	1.46181	-0.08678
B 249.678	24.5810	ug/L	4.04621	16.5	775.699	24.58099
Ba 493.408	0.105517	ug/L	0.008941	8.5	386.892	0.10552
Be 313.042	0.088213	ug/L	0.004738	5.4	456.923	0.08821
Ca 373.690	-0.167456uv	ug/L	0.236785	141.4	36.3094	-0.16746
Cd 214.439	0.152648	ug/L	0.020428	13.4	9.14034	0.15265
Co 228.615	0.154272	ug/L	0.128523	83.3	13.5571	0.15427
Cr 267.716	0.296521	ug/L	0.121605	41.0	38.7079	0.29652
Cu 327.395	0.035896	ug/L	0.049331	137.4	74.5459	0.03590
Fe 273.955	1.97756	ug/L	0.341662	17.3	52.8049	1.97756
K 404.721	381.224	ug/L	195.887	51.4	20.2028	381.22351
Li 610.365	-0.059726uv	ug/L	0.002184	3.7	2.18457	-0.05973
Mg 279.078	1.42586	ug/L	0.216650	15.2	18.7463	1.42586
Mn 257.610	0.050105	ug/L	0.008770	17.5	74.7168	0.05010
Mo 202.032	10.5097	ug/L	2.51167	23.9	105.926	10.50965
Na 330.237	-39.9552uv	ug/L	10.5085	26.3	5.51477	-39.95517
Ni 216.555	-0.000222uv	ug/L	0.021183	9532.5	4.42354	-0.00022
Pb 220.353	0.363914	ug/L	0.006129	1.7	6.93356	0.36391

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sb 217.582	0.454045uv	ug/L	0.681487	150.1	5.20850	0.45404
Se 196.026	3.88020	ug/L	1.60655	41.4	4.15988	3.88020
Si 251.611	1.59968	ug/L	0.158579	9.9	50.9407	1.59968
Si 288.158	0.431901	ug/L	0.424485	98.3	452.686	0.43190
Sn 283.998	-0.626714uv	ug/L	0.230338	36.8	10.4824	-0.62671
Sr 421.552	0.101282	ug/L	0.004400	4.3	272.158	0.10128
Ti 336.122	0.442522	ug/L	0.126859	28.7	143.957	0.44252
Tl 190.794	1.48855	ug/L	0.660325	44.4	3.15065	1.48855
V 292.401	0.261660	ug/L	0.057480	22.0	21.4316	0.26166
Zn 202.548	-0.033386uv	ug/L	0.041141	123.2	48.0771	-0.03339
Zr 339.198	0.484298	ug/L	0.045098	9.3	31.6334	0.48430

MB 360-49332/1-A (Samp) **9/23/2009, 2:50:23 PM** **Rack 1, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.465256	ug/L	0.350778	75.4	6.37061
Al 237.312	-0.691633uv	ug/L	0.741039	107.1	25.8937
As 188.980	1.38807	ug/L	0.551921	39.8	3.04103
B 249.678	3.65807	ug/L	0.466370	12.7	151.036
Ba 493.408	0.918362	ug/L	0.006606	0.7	2379.28
Be 313.042	0.002731	ug/L	0.000256	9.4	164.713
Ca 373.690	157.072	ug/L	0.882222	0.6	828.718
Cd 214.439	0.057675	ug/L	0.050316	87.2	5.38998
Co 228.615	0.043195	ug/L	0.046026	106.6	12.5582
Cr 267.716	2.94733	ug/L	0.151057	5.1	165.487
Cu 327.395	1.42047	ug/L	0.003369	0.2	169.407
Fe 273.955	39.5362	ug/L	0.131398	0.3	662.578
K 404.721	6.12469uv	ug/L	243.409	3974.2	15.5697
Li 610.365	-0.053719uv	ug/L	0.004294	8.0	2.63672
Mg 279.078	40.7412	ug/L	0.027953	0.1	197.466
Mn 257.610	0.603843	ug/L	0.022171	3.7	242.069
Mo 202.032	-0.005737uv	ug/L	0.407383	7100.7	8.23753
Na 330.237	262.393	ug/L	0.800350	0.3	45.0763
Ni 216.555	0.634500	ug/L	0.241107	38.0	9.91504
Pb 220.353	2.89698	ug/L	0.342006	11.8	19.9722
Sb 217.582	-1.22691uv	ug/L	0.227744	18.6	1.90181
Se 196.026	4.16504	ug/L	0.265093	6.4	4.31867
Si 251.611	45.3555	ug/L	1.57010	3.5	280.679
Si 288.158	43.6435	ug/L	1.87200	4.3	978.833
Sn 283.998	9.07159	ug/L	0.337485	3.7	55.5081
Sr 421.552	0.385363	ug/L	0.000481	0.1	959.080
Ti 336.122	0.475939	ug/L	0.065797	13.8	152.128
Tl 190.794	3.08610	ug/L	1.02899	33.3	4.45440
V 292.401	0.271992	ug/L	0.122896	45.2	21.8344
Zn 202.548	4.43566	ug/L	0.103677	2.3	157.374
Zr 339.198	0.052157	ug/L	0.048450	92.9	6.50415

LCS 360-49332/2-A (Samp) **9/23/2009, 2:53:15 PM** **Rack 1, Tube 49**
Weight: 1 **Volume: 1** **Dilution: 1**

MET092309emn@720/725/730/735-ES@Quant@. All Data Report 9/24/2009, 7:20:44 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	887.311	ug/L	3.07214	0.3	7590.23
Al 237.312	4407.19	ug/L	12.6471	0.3	19603.7
As 188.980	884.942	ug/L	1.01798	0.1	949.120
B 249.678	867.817	ug/L	13.3170	1.5	25950.9
Ba 493.408	907.814	ug/L	3.11301	0.3	2225300
Be 313.042	901.787	ug/L	3.62138	0.4	3082795
Ca 373.690	18302.5	ug/L	72.4329	0.4	91066.1
Cd 214.439	891.072	ug/L	3.26920	0.4	35190.0
Co 228.615	900.887	ug/L	2.47177	0.3	8114.24
Cr 267.716	916.996	ug/L	5.04530	0.6	43881.3
Cu 327.395	897.983	ug/L	1.52876	0.2	61595.2
Fe 273.955	4550.99	ug/L	18.5643	0.4	72360.8
K 404.721	18023.3	ug/L	348.479	1.9	256.209
Li 610.365	4239.09	ug/L	17.8341	0.4	319048
Mg 279.078	17623.2	ug/L	82.1321	0.5	79144.3
Mn 257.610	909.225	ug/L	2.60025	0.3	274849
Mo 202.032	939.415	ug/L	4.68169	0.5	8735.51
Na 330.237	17610.0	ug/L	91.5593	0.5	2401.29
Ni 216.555	903.079	ug/L	5.83903	0.6	7817.70
Pb 220.353	886.856	ug/L	3.70484	0.4	4570.04
Sb 217.582	837.719	ug/L	6.04420	0.7	1652.23
Se 196.026	878.318	ug/L	1.21702	0.1	491.646
Si 251.611	988.911	ug/L	11.6787	1.2	5234.78
Si 288.158	977.469	ug/L	9.36765	1.0	12349.1
Sn 283.998	899.017	ug/L	1.80842	0.2	4187.20
Sr 421.552	908.192	ug/L	3.01047	0.3	2196078
Ti 336.122	918.590	ug/L	2.80314	0.3	224660
Tl 190.794	876.917	ug/L	3.39195	0.4	717.581
V 292.401	908.481	ug/L	3.48409	0.4	35422.0
Zn 202.548	885.371	ug/L	3.42371	0.4	21701.8
Zr 339.198	830.156	ug/L	10.8774	1.3	48277.6

LCSD 360-49332/3-A (Samp) **9/23/2009, 2:56:08 PM** **Rack 1, Tube 50**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	887.071	ug/L	1.54606	0.2	7588.18
Al 237.312	4395.83	ug/L	9.60498	0.2	19553.9
As 188.980	883.899	ug/L	1.04025	0.1	948.004
B 249.678	878.087	ug/L	6.98108	0.8	26257.5
Ba 493.408	903.794	ug/L	3.36808	0.4	2215444
Be 313.042	899.147	ug/L	4.95790	0.6	3073770
Ca 373.690	18343.1	ug/L	55.8559	0.3	91265.3
Cd 214.439	897.974	ug/L	0.541767	0.1	35462.6
Co 228.615	902.720	ug/L	2.70763	0.3	8130.73
Cr 267.716	918.986	ug/L	3.22255	0.4	43976.4
Cu 327.395	888.054	ug/L	9.72509	1.1	60914.9
Fe 273.955	4557.35	ug/L	19.0308	0.4	72459.6
K 404.721	17459.4	ug/L	494.922	2.8	248.120
Li 610.365	4253.40	ug/L	11.1538	0.3	320124
Mg 279.078	17697.0	ug/L	74.0197	0.4	79471.7
Mn 257.610	909.448	ug/L	2.53525	0.3	274916
Mo 202.032	937.084	ug/L	4.75756	0.5	8713.86
Na 330.237	17548.1	ug/L	79.2747	0.5	2392.58

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ni 216.555	906.570	ug/L	4.36754	0.5	7847.90
Pb 220.353	890.538	ug/L	3.29449	0.4	4588.99
Sb 217.582	834.624	ug/L	3.61080	0.4	1646.15
Se 196.026	875.571	ug/L	2.46827	0.3	490.115
Si 251.611	1054.49	ug/L	11.9570	1.1	5579.13
Si 288.158	1042.03	ug/L	8.49866	0.8	13135.2
Sn 283.998	896.521	ug/L	2.60797	0.3	4175.61
Sr 421.552	907.054	ug/L	3.13908	0.3	2193327
Ti 336.122	909.801	ug/L	4.76395	0.5	222510
Tl 190.794	885.041	ug/L	9.23287	1.0	724.211
V 292.401	907.607	ug/L	2.00311	0.2	35387.9
Zn 202.548	890.246	ug/L	3.36657	0.4	21821.0
Zr 339.198	906.545	ug/L	0.265295	0.0	52719.6

CCV (CCV) **9/23/2009, 2:59:01 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	954.250	ug/L	2.03367	0.2	8162.66	95.42495
Al 237.312	4708.52	ug/L	19.7762	0.4	20923.9	94.17048
As 188.980	951.689	ug/L	0.046352	0.0	1020.59	95.16885
B 249.678	955.305	ug/L	3.54473	0.4	28562.9	95.53054
Ba 493.408	947.844	ug/L	2.62360	0.3	2323418	94.78443
Be 313.042	959.547	ug/L	2.00207	0.2	3280240	95.95473
Ca 373.690	19214.5	ug/L	55.7192	0.3	95538.6	96.07265
Cd 214.439	964.970	ug/L	4.39982	0.5	38108.1	96.49696
Co 228.615	959.972	ug/L	2.79848	0.3	8645.61	95.99718
Cr 267.716	968.727	ug/L	1.89621	0.2	46355.4	96.87273
Cu 327.395	943.158	ug/L	7.46312	0.8	64690.3	94.31583
Fe 273.955	4830.81	ug/L	18.0174	0.4	76706.8	96.61623
K 404.721	19567.6	ug/L	131.271	0.7	278.552	97.83813
Li 610.365	4784.93	ug/L	1.94592	0.0	360128	95.69852
Mg 279.078	19201.9	ug/L	49.7806	0.3	86137.3	96.00973
Mn 257.610	959.669	ug/L	3.38772	0.4	290094	95.96686
Mo 202.032	967.668	ug/L	5.07952	0.5	8997.99	96.76681
Na 330.237	19180.9	ug/L	42.7054	0.2	2623.03	95.90434
Ni 216.555	975.277	ug/L	0.817549	0.1	8442.34	97.52766
Pb 220.353	957.621	ug/L	4.48748	0.5	4934.29	95.76210
Sb 217.582	952.406	ug/L	2.95872	0.3	1877.84	95.24058
Se 196.026	943.271	ug/L	0.427699	0.0	527.856	94.32710
Si 251.611	952.277	ug/L	12.3969	1.3	5042.44	95.22766
Si 288.158	940.743	ug/L	11.0566	1.2	11902.0	94.07426
Sn 283.998	949.324	ug/L	3.66225	0.4	4420.76	94.93236
Sr 421.552	950.562	ug/L	2.60698	0.3	2298530	95.05618
Ti 336.122	948.214	ug/L	3.86078	0.4	231904	94.82144
Tl 190.794	961.698	ug/L	1.13636	0.1	786.770	96.16980
V 292.401	953.945	ug/L	2.20967	0.2	37194.1	95.39445
Zn 202.548	970.003	ug/L	3.76259	0.4	23771.6	97.00027
Zr 339.198	968.918	ug/L	0.593600	0.1	56346.7	96.89177

CCB (CCB) **9/23/2009, 3:01:54 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	0.174380uv	ug/L	0.286824	164.5	3.88318	0.17438
Al 237.312	-4.14918uv	ug/L	1.21541	29.3	10.3420	-4.14918
As 188.980	0.236021	ug/L	0.331129	140.3	1.80745	0.23602
B 249.678	35.4072	ug/L	4.51765	12.8	1098.92	35.40725
Ba 493.408	0.123010	ug/L	0.008456	6.9	429.768	0.12301
Be 313.042	0.100141	ug/L	0.002478	2.5	497.697	0.10014
Ca 373.690	0.250095	ug/L	0.060592	24.2	38.4139	0.25009
Cd 214.439	0.072333	ug/L	0.021455	29.7	5.96883	0.07233
Co 228.615	0.150202	ug/L	0.036359	24.2	13.5205	0.15020
Cr 267.716	0.156955	ug/L	0.015691	10.0	32.0330	0.15695
Cu 327.395	0.245491	ug/L	0.050107	20.4	88.9058	0.24549
Fe 273.955	1.91836	ug/L	0.345154	18.0	51.8437	1.91836
K 404.721	-110.209uv	ug/L	106.613	96.7	14.1345	-110.20889
Li 610.365	-0.236544uv	ug/L	0.101660	43.0	-11.1230	-0.23654
Mg 279.078	2.17274	ug/L	0.682608	31.4	22.1416	2.17274
Mn 257.610	0.080471	ug/L	0.012640	15.7	83.8940	0.08047
Mo 202.032	10.8528	ug/L	2.47609	22.8	109.114	10.85283
Na 330.237	31.3229	ug/L	11.4785	36.6	14.8370	31.32288
Ni 216.555	0.094022	ug/L	0.035537	37.8	5.23892	0.09402
Pb 220.353	0.707510	ug/L	0.408252	57.7	8.70218	0.70751
Sb 217.582	4.23136	ug/L	0.798907	18.9	12.6390	4.23136
Se 196.026	1.82484	ug/L	1.99608	109.4	3.01405	1.82484
Si 251.611	0.698233uv	ug/L	1.28541	184.1	46.2077	0.69823
Si 288.158	-3.76097uv	ug/L	0.454635	12.1	401.633	-3.76097
Sn 283.998	-0.612818uv	ug/L	0.791618	129.2	10.5469	-0.61282
Sr 421.552	0.115795	ug/L	0.003404	2.9	307.252	0.11580
Ti 336.122	0.465951	ug/L	0.137378	29.5	149.686	0.46595
Tl 190.794	0.842378uv	ug/L	1.38282	164.2	2.62332	0.84238
V 292.401	0.294711	ug/L	0.144095	48.9	22.7199	0.29471
Zn 202.548	-0.054251uv	ug/L	0.025872	47.7	47.5668	-0.05425
Zr 339.198	0.497980	ug/L	0.054539	11.0	32.4291	0.49798

360-24715-A-1-A (Samp) **9/23/2009, 3:04:47 PM** **Rack 1, Tube 51**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	21.6273	ug/L	2.06389	9.5	187.337
Al 237.312	119976	ug/L	752.196	0.6	470928
As 188.980	785.141	ug/L	5.04651	0.6	842.258
B 249.678	43.8779	ug/L	0.816910	1.9	1351.82
Ba 493.408	-o	ug/L	10.0169	0.1	35178456
Be 313.042	4.14365	ug/L	0.023015	0.6	14319.9
Ca 373.690	59044.7	ug/L	330.815	0.6	284961
Cd 214.439	119.404	ug/L	0.511594	0.4	4718.19
Co 228.615	76.3967	ug/L	0.033173	0.0	699.239
Cr 267.716	471.391	ug/L	2.39939	0.5	22569.5
Cu 327.395	434.913	ug/L	3.20598	0.7	29869.1
Fe 273.955	188056	ug/L	832.165	0.4	2392407
K 404.721	10241.0	ug/L	294.596	2.9	147.731
Li 610.365	140.947	ug/L	0.914256	0.6	10614.6
Mg 279.078	37354.4	ug/L	182.276	0.5	165411

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3899.89	ug/L	22.9426	0.6	1178700
Mo 202.032	16.6564	ug/L	1.99174	12.0	163.030
Na 330.237	5480.46	ug/L	114.502	2.1	735.965
Ni 216.555	190.640	ug/L	1.33762	0.7	1653.81
Pb 220.353	-x	ug/L	806.411	0.1	3533129
Sb 217.582	-1.61240uv	ug/L	1.88965	117.2	1.14349
Se 196.026	12.5610	ug/L	4.81626	38.3	8.99928
Si 251.611	3699.92	ug/L	23.6532	0.6	19468.8
Si 288.158	3717.65	ug/L	22.3087	0.6	45713.8
Sn 283.998	202.453	ug/L	2.28502	1.1	953.307
Sr 421.552	1337.53	ug/L	8.94690	0.7	3234241
Ti 336.122	6561.01	ug/L	5.52980	0.1	1604407
Tl 190.794	1.61376	ug/L	1.25457	77.7	3.25284
V 292.401	658.515	ug/L	4.34199	0.7	25678.8
Zn 202.548	-x	ug/L	222.554	0.5	1078061
Zr 339.198	135.777	ug/L	8.74934	6.4	7899.01

360-24715-A-1-B DU (Samp) **9/23/2009, 3:07:40 PM** **Rack 1, Tube 52**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	21.2123	ug/L	0.116180	0.5	183.789
Al 237.312	105885	ug/L	309.508	0.3	416561
As 188.980	567.156	ug/L	3.43243	0.6	608.846
B 249.678	37.6849	ug/L	0.295319	0.8	1166.92
Ba 493.408	-o	ug/L	117.041	0.8	35854736
Be 313.042	3.87042	ug/L	0.009997	0.3	13385.9
Ca 373.690	45791.9	ug/L	149.202	0.3	223214
Cd 214.439	140.840	ug/L	0.028981	0.0	5564.67
Co 228.615	73.4852	ug/L	0.232019	0.3	673.054
Cr 267.716	486.009	ug/L	1.80475	0.4	23268.6
Cu 327.395	403.736	ug/L	1.46792	0.4	27733.0
Fe 273.955	166189	ug/L	552.206	0.3	2119704
K 404.721	9889.32	ug/L	105.795	1.1	142.990
Li 610.365	115.733	ug/L	0.341356	0.3	8716.96
Mg 279.078	32617.5	ug/L	92.4266	0.3	144925
Mn 257.610	3904.95	ug/L	15.5021	0.4	1180229
Mo 202.032	11.5403	ug/L	0.799665	6.9	115.501
Na 330.237	6786.64	ug/L	37.7042	0.6	911.308
Ni 216.555	165.740	ug/L	0.839344	0.5	1438.37
Pb 220.353	-x	ug/L	1662.54	0.3	3255199
Sb 217.582	0.408838uv	ug/L	1.54073	376.9	5.11957
Se 196.026	6.38346	ug/L	0.089145	1.4	5.55540
Si 251.611	3155.16	ug/L	38.1974	1.2	16608.6
Si 288.158	3167.81	ug/L	36.9777	1.2	39018.9
Sn 283.998	210.042	ug/L	1.36789	0.7	988.542
Sr 421.552	1130.76	ug/L	2.43586	0.2	2734256
Ti 336.122	7047.26	ug/L	34.1593	0.5	1723309
Tl 190.794	0.712099uv	ug/L	2.06211	289.6	2.51700
V 292.401	733.444	ug/L	1.85749	0.3	28599.4
Zn 202.548	-x	ug/L	52.4695	0.1	1131235
Zr 339.198	39.5308	ug/L	7.42379	18.8	2302.21

360-24715-A-1-C MS (Samp) **9/23/2009, 3:10:33 PM** **Rack 1, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	918.796	ug/L	6.27169	0.7	7859.47
Al 237.312	124019	ug/L	929.829	0.7	486527
As 188.980	1766.48	ug/L	8.48614	0.5	1893.05
B 249.678	875.198	ug/L	7.43140	0.8	26171.2
Ba 493.408	-o	ug/L	176.335	1.2	35698376
Be 313.042	888.750	ug/L	3.98887	0.4	3038229
Ca 373.690	74734.2	ug/L	408.984	0.5	356412
Cd 214.439	978.109	ug/L	4.42192	0.5	38627.0
Co 228.615	946.751	ug/L	6.60478	0.7	8526.72
Cr 267.716	1369.80	ug/L	9.00750	0.7	65537.3
Cu 327.395	1371.70	ug/L	14.3880	1.0	94050.6
Fe 273.955	167890	ug/L	1176.39	0.7	2140916
K 404.721	29356.7	ug/L	316.448	1.1	426.523
Li 610.365	4739.84	ug/L	32.9630	0.7	356735
Mg 279.078	50881.4	ug/L	328.133	0.6	223130
Mn 257.610	4530.95	ug/L	27.6870	0.6	1369419
Mo 202.032	884.519	ug/L	6.05490	0.7	8225.53
Na 330.237	11190.3	ug/L	78.8935	0.7	1509.56
Ni 216.555	1030.66	ug/L	4.59827	0.4	8921.55
Pb 220.353	-x	ug/L	59.8389	0.0	3540333
Sb 217.582	274.546	ug/L	3.79168	1.4	544.388
Se 196.026	902.097	ug/L	11.6910	1.3	504.902
Si 251.611	4278.36	ug/L	16.8691	0.4	22505.9
Si 288.158	4266.59	ug/L	6.87427	0.2	52397.7
Sn 283.998	1014.55	ug/L	8.22132	0.8	4723.57
Sr 421.552	1922.81	ug/L	15.5536	0.8	4649471
Ti 336.122	8103.30	ug/L	25.7742	0.3	1981544
Tl 190.794	807.900	ug/L	4.77444	0.6	661.257
V 292.401	1601.77	ug/L	10.7443	0.7	62445.0
Zn 202.548	-x	ug/L	229.141	0.5	1093318
Zr 339.198	442.734	ug/L	3.52582	0.8	25748.7

360-24715-A-1-Asd@5 (Samp) **9/23/2009, 3:13:26 PM** **Rack 1, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	3.95867	ug/L	0.199049	5.0	36.2445
Al 237.312	23448.0	ug/L	9.16753	0.0	98462.8
As 188.980	164.841	ug/L	1.49559	0.9	178.061
B 249.678	26.6653	ug/L	2.92541	11.0	837.928
Ba 493.408	-o	ug/L	72.1145	0.6	28402324
Be 313.042	0.899100	ug/L	0.006075	0.7	3228.83
Ca 373.690	12117.2	ug/L	10.9028	0.1	60575.5
Cd 214.439	26.3359	ug/L	0.023194	0.1	1043.07
Co 228.615	16.7126	ug/L	0.155969	0.9	162.473
Cr 267.716	102.042	ug/L	0.037008	0.0	4904.82
Cu 327.395	89.3106	ug/L	0.338836	0.4	6190.98
Fe 273.955	39521.0	ug/L	42.4071	0.1	539987
K 404.721	1770.49	ug/L	4.98721	0.3	37.5002
Li 610.365	22.2531	ug/L	0.003211	0.0	1681.49
Mg 279.078	8203.07	ug/L	7.57170	0.1	37090.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	878.865	ug/L	0.833561	0.1	265673
Mo 202.032	4.91230	ug/L	0.660651	13.4	53.9264
Na 330.237	1357.22	ug/L	5.54715	0.4	188.761
Ni 216.555	41.6880	ug/L	0.342704	0.8	365.102
Pb 220.353	-x	ug/L	190.864	0.1	870439
Sb 217.582	0.315555uv	ug/L	1.24865	395.7	4.93607
Se 196.026	2.33011	ug/L	2.31302	99.3	3.29572
Si 251.611	786.005	ug/L	6.92360	0.9	4169.43
Si 288.158	784.893	ug/L	6.33582	0.8	10004.3
Sn 283.998	42.9957	ug/L	0.739133	1.7	213.005
Sr 421.552	287.375	ug/L	0.185257	0.1	694912
Ti 336.122	1444.60	ug/L	12.6853	0.9	353286
Tl 190.794	2.49360	ug/L	0.244880	9.8	3.97087
V 292.401	139.134	ug/L	0.037246	0.0	5434.41
Zn 202.548	12296.4	ug/L	182.070	1.5	300774
Zr 339.198	13.5070	ug/L	2.43699	18.0	788.913

360-24715-A-1-Apds (Samp) **9/23/2009, 3:16:19 PM** **Rack 1, Tube 55**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	929.482	ug/L	0.914008	0.1	7950.86
Al 237.312	120011	ug/L	13.2306	0.0	471064
As 188.980	1679.64	ug/L	2.49568	0.1	1800.05
B 249.678	937.512	ug/L	8.96555	1.0	28031.7
Ba 493.408	-o	ug/L	159.140	1.1	35441452
Be 313.042	892.923	ug/L	1.04111	0.1	3052495
Ca 373.690	76396.6	ug/L	212.591	0.3	363878
Cd 214.439	971.498	ug/L	3.32039	0.3	38365.9
Co 228.615	949.917	ug/L	2.07868	0.2	8555.19
Cr 267.716	1354.15	ug/L	3.22471	0.2	64788.7
Cu 327.395	1356.32	ug/L	2.07083	0.2	92997.0
Fe 273.955	184525	ug/L	439.091	0.2	2348377
K 404.721	29269.8	ug/L	190.893	0.7	425.159
Li 610.365	4779.98	ug/L	6.30319	0.1	359756
Mg 279.078	54299.9	ug/L	176.716	0.3	237534
Mn 257.610	4552.34	ug/L	11.5513	0.3	1375884
Mo 202.032	956.078	ug/L	2.89360	0.3	8890.32
Na 330.237	9896.97	ug/L	44.9973	0.5	1332.72
Ni 216.555	1051.68	ug/L	5.20438	0.5	9103.35
Pb 220.353	-x	ug/L	1108.26	0.2	3381075
Sb 217.582	828.677	ug/L	1.93673	0.2	1634.45
Se 196.026	909.056	ug/L	7.07789	0.8	508.782
Si 251.611	4487.06	ug/L	50.7663	1.1	23601.7
Si 288.158	4488.08	ug/L	49.5120	1.1	55094.6
Sn 283.998	1075.53	ug/L	1.92012	0.2	5006.70
Sr 421.552	2026.91	ug/L	0.751560	0.0	4901184
Ti 336.122	7172.45	ug/L	66.7367	0.9	1753923
Tl 190.794	817.426	ug/L	3.88374	0.5	669.031
V 292.401	1539.76	ug/L	3.00201	0.2	60028.2
Zn 202.548	-x	ug/L	500.132	1.2	1046977
Zr 339.198	932.667	ug/L	3.47874	0.4	54238.6

360-24715-A-2-A (Samp) **9/23/2009, 3:19:12 PM** **Rack 1, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.62869	ug/L	0.549524	11.9	41.9742
Al 237.312	129856	ug/L	351.946	0.3	509048
As 188.980	177.858	ug/L	0.667466	0.4	191.999
B 249.678	39.9335	ug/L	3.14621	7.9	1234.06
Ba 493.408	8923.21	ug/L	27.8037	0.3	21872080
Be 313.042	4.90468	ug/L	0.017127	0.3	16921.4
Ca 373.690	51631.2	ug/L	213.171	0.4	250577
Cd 214.439	84.5642	ug/L	0.266347	0.3	3342.41
Co 228.615	69.7821	ug/L	0.629524	0.9	639.751
Cr 267.716	451.361	ug/L	1.45556	0.3	21611.5
Cu 327.395	438.385	ug/L	0.465981	0.1	30107.0
Fe 273.955	179193	ug/L	33.6760	0.0	2281883
K 404.721	7633.92	ug/L	431.524	5.7	112.937
Li 610.365	147.412	ug/L	0.376578	0.3	11101.2
Mg 279.078	32681.3	ug/L	94.2524	0.3	145202
Mn 257.610	2509.44	ug/L	6.64328	0.3	758471
Mo 202.032	10.6053	ug/L	0.710232	6.7	106.815
Na 330.237	4369.57	ug/L	42.9823	1.0	587.591
Ni 216.555	175.993	ug/L	0.414655	0.2	1527.09
Pb 220.353	-x	ug/L	60.0433	0.1	486736
Sb 217.582	4.59221	ug/L	2.01511	43.9	13.3489
Se 196.026	3.55674	ug/L	0.186186	5.2	3.97955
Si 251.611	5663.80	ug/L	84.2641	1.5	29780.1
Si 288.158	5691.11	ug/L	91.3435	1.6	69742.7
Sn 283.998	176.986	ug/L	0.235677	0.1	835.075
Sr 421.552	259.374	ug/L	0.654583	0.3	627205
Ti 336.122	4508.04	ug/L	5.61335	0.1	1102393
Tl 190.794	2.35463	ug/L	1.42433	60.5	3.85745
V 292.401	336.959	ug/L	1.25051	0.4	13145.2
Zn 202.548	-x	ug/L	320.412	1.1	713511
Zr 339.198	40.2947	ug/L	5.81983	14.4	2346.64

360-24715-A-3-A (Samp) **9/23/2009, 3:22:05 PM** **Rack 1, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.596070	ug/L	0.795267	133.4	7.48926
Al 237.312	145438	ug/L	890.015	0.6	569170
As 188.980	86.2186	ug/L	2.92118	3.4	93.8746
B 249.678	20.9280	ug/L	0.260025	1.2	666.639
Ba 493.408	469.277	ug/L	3.19491	0.7	1150389
Be 313.042	5.32040	ug/L	0.036416	0.7	18342.4
Ca 373.690	22011.5	ug/L	124.191	0.6	109217
Cd 214.439	4.21269	ug/L	0.029909	0.7	169.465
Co 228.615	59.0699	ug/L	0.023076	0.0	543.411
Cr 267.716	245.486	ug/L	1.68858	0.7	11765.3
Cu 327.395	153.934	ug/L	2.03615	1.3	10618.5
Fe 273.955	172465	ug/L	1104.72	0.6	2197971
K 404.721	16250.5	ug/L	73.6296	0.5	230.888
Li 610.365	155.517	ug/L	0.285676	0.2	11711.2
Mg 279.078	32785.1	ug/L	196.264	0.6	145653

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2023.19	ug/L	11.1471	0.6	611517
Mo 202.032	6.93115	ug/L	0.455069	6.6	72.6817
Na 330.237	180.957	ug/L	20.3319	11.2	34.4156
Ni 216.555	194.150	ug/L	1.31560	0.7	1684.18
Pb 220.353	1277.77	ug/L	2.07531	0.2	6582.24
Sb 217.582	1.33582uv	ug/L	3.42316	256.3	6.94308
Se 196.026	-0.218480uv	ug/L	1.55564	712.0	1.87492
Si 251.611	5875.64	ug/L	41.8981	0.7	30892.4
Si 288.158	5857.35	ug/L	32.3415	0.6	71766.9
Sn 283.998	86.0685	ug/L	0.341129	0.4	412.977
Sr 421.552	59.6631	ug/L	0.433229	0.7	144295
Ti 336.122	4667.95	ug/L	8.22702	0.2	1141496
Tl 190.794	0.851086uv	ug/L	1.35670	159.4	2.63042
V 292.401	211.872	ug/L	1.43121	0.7	8269.58
Zn 202.548	653.473	ug/L	1.60765	0.2	16030.4
Zr 339.198	19.0939	ug/L	0.177234	0.9	1113.79

360-24715-A-4-A (Samp) **9/23/2009, 3:24:58 PM** **Rack 1, Tube 58**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.30384	ug/L	0.383320	29.4	13.5417
Al 237.312	137307	ug/L	400.952	0.3	537797
As 188.980	160.732	ug/L	2.76810	1.7	173.661
B 249.678	17.0260	ug/L	0.328783	1.9	550.140
Ba 493.408	819.589	ug/L	2.18765	0.3	2009047
Be 313.042	5.39512	ug/L	0.014684	0.3	18597.9
Ca 373.690	16386.5	ug/L	47.7097	0.3	81650.9
Cd 214.439	5.05326	ug/L	0.091898	1.8	202.657
Co 228.615	44.9329	ug/L	0.066227	0.1	416.271
Cr 267.716	262.607	ug/L	0.556851	0.2	12584.1
Cu 327.395	173.545	ug/L	0.464309	0.3	11962.1
Fe 273.955	156296	ug/L	158.127	0.1	1996326
K 404.721	9670.10	ug/L	295.405	3.1	140.045
Li 610.365	132.309	ug/L	0.026866	0.0	9964.46
Mg 279.078	27657.5	ug/L	65.0497	0.2	123323
Mn 257.610	1864.95	ug/L	4.60698	0.2	563692
Mo 202.032	7.51209	ug/L	0.295417	3.9	78.0786
Na 330.237	445.423	ug/L	8.18410	1.8	69.0500
Ni 216.555	148.360	ug/L	0.264108	0.2	1288.01
Pb 220.353	4372.24	ug/L	10.7271	0.2	22510.6
Sb 217.582	-0.833694uv	ug/L	1.49801	179.7	2.67532
Se 196.026	1.95823	ug/L	0.919472	47.0	3.08841
Si 251.611	3886.60	ug/L	82.8825	2.1	20449.0
Si 288.158	3920.96	ug/L	91.6974	2.3	48189.2
Sn 283.998	98.3060	ug/L	0.518499	0.5	469.791
Sr 421.552	79.0712	ug/L	0.173977	0.2	191225
Ti 336.122	3741.88	ug/L	0.041950	0.0	915042
Tl 190.794	1.91657	ug/L	1.41801	74.0	3.49995
V 292.401	224.289	ug/L	0.405408	0.2	8753.55
Zn 202.548	1229.86	ug/L	3.11776	0.3	30126.7
Zr 339.198	28.7809	ug/L	3.85912	13.4	1677.10

360-24715-A-5-A (Samp) **9/23/2009, 3:27:50 PM** **Rack 1, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.33404	ug/L	0.932663	69.9	13.8000
Al 237.312	130761	ug/L	1233.42	0.9	512540
As 188.980	119.019	ug/L	1.53573	1.3	128.996
B 249.678	27.8641	ug/L	0.316050	1.1	873.719
Ba 493.408	1694.29	ug/L	8.15305	0.5	4153060
Be 313.042	5.29781	ug/L	0.034640	0.7	18265.2
Ca 373.690	26547.0	ug/L	154.928	0.6	131276
Cd 214.439	17.0926	ug/L	0.245353	1.4	678.069
Co 228.615	49.7179	ug/L	0.012578	0.0	459.304
Cr 267.716	241.660	ug/L	0.734275	0.3	11582.3
Cu 327.395	238.040	ug/L	0.075991	0.0	16380.8
Fe 273.955	137419	ug/L	617.735	0.4	1760908
K 404.721	8670.20	ug/L	164.354	1.9	126.671
Li 610.365	112.199	ug/L	0.764966	0.7	8450.95
Mg 279.078	20545.6	ug/L	69.1956	0.3	92076.5
Mn 257.610	2384.81	ug/L	12.4163	0.5	720806
Mo 202.032	7.98476	ug/L	0.479187	6.0	82.4697
Na 330.237	490.765	ug/L	93.1083	19.0	74.9932
Ni 216.555	164.811	ug/L	0.419899	0.3	1430.34
Pb 220.353	14209.1	ug/L	76.4359	0.5	73144.6
Sb 217.582	-0.311847uv	ug/L	2.14751	688.6	3.70187
Se 196.026	5.43087	ug/L	2.03752	37.5	5.02435
Si 251.611	3914.96	ug/L	45.4499	1.2	20597.9
Si 288.158	3953.48	ug/L	42.9481	1.1	48585.2
Sn 283.998	92.3793	ug/L	0.235968	0.3	442.275
Sr 421.552	160.978	ug/L	0.389418	0.2	389280
Ti 336.122	4154.51	ug/L	6.31631	0.2	1015942
Tl 190.794	1.16802uv	ug/L	1.72625	147.8	2.88907
V 292.401	235.425	ug/L	0.551780	0.2	9187.64
Zn 202.548	6751.65	ug/L	69.7636	1.0	165169
Zr 339.198	22.2785	ug/L	3.61092	16.2	1298.98

360-24730-A-1-A (Samp) **9/23/2009, 3:30:43 PM** **Rack 1, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	8.52624	ug/L	0.648140	7.6	75.3041
Al 237.312	30878.3	ug/L	5.16796	0.0	127162
As 188.980	42.2309	ug/L	0.552354	1.3	46.7741
B 249.678	291.192	ug/L	2.88632	1.0	8735.47
Ba 493.408	681.654	ug/L	0.800372	0.1	1670952
Be 313.042	6.54458	ug/L	0.004434	0.1	22527.1
Ca 373.690	22977.1	ug/L	43.4097	0.2	113926
Cd 214.439	1.29556	ug/L	0.031940	2.5	54.2718
Co 228.615	36.2919	ug/L	0.010943	0.0	338.559
Cr 267.716	128.852	ug/L	0.053279	0.0	6187.07
Cu 327.395	12573.5	ug/L	12.4579	0.1	861516
Fe 273.955	81129.0	ug/L	125.296	0.2	1058893
K 404.721	9950.63	ug/L	173.345	1.7	143.815
Li 610.365	7.42297	ug/L	0.323386	4.4	565.345
Mg 279.078	5630.72	ug/L	13.5251	0.2	25508.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3363.75	ug/L	1.69802	0.1	1016665
Mo 202.032	20.9410	ug/L	0.050696	0.2	202.834
Na 330.237	8204.52	ug/L	35.3664	0.4	1102.74
Ni 216.555	203.166	ug/L	1.38946	0.7	1762.18
Pb 220.353	910.523	ug/L	1.20848	0.1	4691.85
Sb 217.582	-1.21446uv	ug/L	0.398927	32.8	1.92630
Se 196.026	6.07239	ug/L	0.211424	3.5	5.38199
Si 251.611	4161.72	ug/L	58.8639	1.4	21893.5
Si 288.158	4211.05	ug/L	58.1616	1.4	51721.4
Sn 283.998	260.211	ug/L	0.780929	0.3	1221.46
Sr 421.552	486.621	ug/L	0.376341	0.1	1176699
Ti 336.122	1155.39	ug/L	1.00939	0.1	282564
Tl 190.794	1.17136	ug/L	0.203234	17.4	2.89180
V 292.401	90.8130	ug/L	0.111192	0.1	3550.94
Zn 202.548	942.745	ug/L	6.11925	0.6	23104.9
Zr 339.198	16.6014	ug/L	1.99995	12.0	968.854

CCV (CCV) **9/23/2009, 3:33:35 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	991.384	ug/L	1.10447	0.1	8480.21	99.13835
Al 237.312	4952.04	ug/L	5.40792	0.1	21989.1	99.04074
As 188.980	988.790	ug/L	0.607713	0.1	1060.32	98.87903
B 249.678	982.542	ug/L	13.3439	1.4	29376.0	98.25415
Ba 493.408	994.297	ug/L	1.23541	0.1	2437279	99.42967
Be 313.042	992.052	ug/L	0.099351	0.0	3391352	99.20518
Ca 373.690	19811.8	ug/L	8.40380	0.0	98464.4	99.05922
Cd 214.439	986.383	ug/L	0.172288	0.0	38953.7	98.63826
Co 228.615	990.819	ug/L	0.753200	0.1	8923.04	99.08190
Cr 267.716	999.860	ug/L	0.554369	0.1	47844.3	99.98596
Cu 327.395	989.312	ug/L	4.39352	0.4	67852.4	98.93121
Fe 273.955	4996.90	ug/L	3.37498	0.1	79280.8	99.93793
K 404.721	20772.8	ug/L	192.798	0.9	296.181	103.86412
Li 610.365	4963.21	ug/L	5.44486	0.1	373546	99.26417
Mg 279.078	19777.4	ug/L	14.0386	0.1	88682.2	98.88678
Mn 257.610	992.143	ug/L	0.144537	0.0	299909	99.21428
Mo 202.032	987.314	ug/L	4.72092	0.5	9180.50	98.73138
Na 330.237	19976.4	ug/L	3.46786	0.0	2735.86	99.88207
Ni 216.555	995.389	ug/L	4.78311	0.5	8616.35	99.53894
Pb 220.353	985.340	ug/L	3.02458	0.3	5076.97	98.53403
Sb 217.582	988.024	ug/L	1.49889	0.2	1947.91	98.80242
Se 196.026	981.629	ug/L	5.21431	0.5	549.240	98.16286
Si 251.611	1017.40	ug/L	9.26144	0.9	5384.38	101.74039
Si 288.158	1005.87	ug/L	7.78858	0.8	12694.9	100.58684
Sn 283.998	981.601	ug/L	0.324033	0.0	4570.61	98.16006
Sr 421.552	991.655	ug/L	1.77761	0.2	2397895	99.16548
Ti 336.122	990.027	ug/L	1.72875	0.2	242128	99.00272
Tl 190.794	993.661	ug/L	0.017738	0.0	812.855	99.36613
V 292.401	992.069	ug/L	1.01258	0.1	38680.1	99.20693
Zn 202.548	985.299	ug/L	0.528992	0.1	24145.7	98.52989
Zr 339.198	842.703	ug/L	6.39361	0.8	49007.2	84.27032Q

CCB (CCB) **9/23/2009, 3:36:28 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	0.166579uv	ug/L	0.530820	318.7	3.81647	0.16658
Al 237.312	-2.81647uv	ug/L	0.115526	4.1	16.3364	-2.81647
As 188.980	0.591813uv	ug/L	0.995117	168.1	2.18842	0.59181
B 249.678	25.7619	ug/L	4.10391	15.9	810.957	25.76193
Ba 493.408	1.44363	ug/L	0.145284	10.1	3666.78	1.44363
Be 313.042	0.121547	ug/L	0.003461	2.8	570.871	0.12155
Ca 373.690	1.99398	ug/L	0.063880	3.2	47.2032	1.99398
Cd 214.439	0.126057	ug/L	0.014246	11.3	8.09030	0.12606
Co 228.615	0.215935	ug/L	0.130098	60.2	14.1117	0.21594
Cr 267.716	0.093285	ug/L	0.095389	102.3	28.9879	0.09328
Cu 327.395	0.036306uv	ug/L	0.143852	396.2	74.5740	0.03631
Fe 273.955	4.05162	ug/L	1.14622	28.3	86.4833	4.05162
K 404.721	-275.656uv	ug/L	119.243	43.3	12.0947	-275.65588
Li 610.365	-0.140110uv	ug/L	0.036554	26.1	-3.86523	-0.14011
Mg 279.078	2.53066	ug/L	0.631911	25.0	23.7687	2.53066
Mn 257.610	0.111402	ug/L	0.001964	1.8	93.2421	0.11140
Mo 202.032	11.3871	ug/L	2.57929	22.7	114.078	11.38715
Na 330.237	-18.3568uv	ug/L	12.4463	67.8	8.33948	-18.35677
Ni 216.555	0.191677	ug/L	0.169851	88.6	6.08382	0.19168
Pb 220.353	0.644825	ug/L	0.127127	19.7	8.37952	0.64483
Sb 217.582	0.520001	ug/L	0.316094	60.8	5.33824	0.52000
Se 196.026	2.00372	ug/L	2.19902	109.7	3.11377	2.00372
Si 251.611	9.33847	ug/L	0.117158	1.3	91.5729	9.33847
Si 288.158	7.62020	ug/L	0.078086	1.0	540.211	7.62020
Sn 283.998	-0.602419uv	ug/L	0.049883	8.3	10.5952	-0.60242
Sr 421.552	0.159426	ug/L	0.006228	3.9	412.754	0.15943
Ti 336.122	1.75007	ug/L	0.796368	45.5	463.692	1.75007
Tl 190.794	-0.049034uv	ug/L	0.201304	410.5	1.89584	-0.04903
V 292.401	0.312919	ug/L	0.027094	8.7	23.4296	0.31292
Zn 202.548	0.040475	ug/L	0.002611	6.5	49.8835	0.04047
Zr 339.198	0.517781	ug/L	0.086979	16.8	33.5805	0.51778

360-24309-A-8-C (Samp) **9/23/2009, 3:39:21 PM** **Rack 2, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.00844	ug/L	1.02173	101.3	11.0156
Al 237.312	190045	ug/L	521.790	0.3	741277
As 188.980	75.6443	ug/L	0.821719	1.1	82.5520
B 249.678	19.3868	ug/L	0.728722	3.8	620.624
Ba 493.408	1036.25	ug/L	3.48556	0.3	2540109
Be 313.042	5.99522	ug/L	0.019849	0.3	20649.3
Ca 373.690	66469.2	ug/L	194.543	0.3	318996
Cd 214.439	6.72883	ug/L	0.006831	0.1	268.823
Co 228.615	202.081	ug/L	0.329201	0.2	1829.58
Cr 267.716	297.393	ug/L	1.34980	0.5	14247.8
Cu 327.395	422.204	ug/L	2.80709	0.7	28998.4
Fe 273.955	403703	ug/L	3043.92	0.8	5081808
K 404.721	48563.6	ug/L	156.655	0.3	748.567
Li 610.365	182.892	ug/L	0.926427	0.5	13771.4
Mg 279.078	119731	ug/L	169.115	0.1	500208

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3273.59	ug/L	8.08857	0.2	989414
Mo 202.032	12.1374	ug/L	1.16891	9.6	121.048
Na 330.237	2672.97	ug/L	0.382383	0.0	362.335
Ni 216.555	311.692	ug/L	1.81084	0.6	2701.13
Pb 220.353	92.6476	ug/L	1.43742	1.6	481.952
Sb 217.582	-0.342052uv	ug/L	1.28847	376.7	3.64246
Se 196.026	-0.698646uv	ug/L	2.67179	382.4	1.60724
Si 251.611	1680.88	ug/L	11.5509	0.7	8867.95
Si 288.158	1700.57	ug/L	6.36621	0.4	21153.6
Sn 283.998	87.7191	ug/L	0.861857	1.0	420.640
Sr 421.552	154.004	ug/L	0.439546	0.3	372416
Ti 336.122	12400.4	ug/L	40.1870	0.3	3032322
Tl 190.794	-0.003431uv	ug/L	1.81046	52768.4	1.93306
V 292.401	661.856	ug/L	3.10287	0.5	25809.1
Zn 202.548	415.522	ug/L	1.57125	0.4	10211.0
Zr 339.198	55.8255	ug/L	1.37213	2.5	3249.76

360-24309-A-13-D (Samp) **9/23/2009, 3:42:14 PM** **Rack 2, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.071002uv	ug/L	0.318256	448.2	2.99915
Al 237.312	160584	ug/L	326.031	0.2	627609
As 188.980	38.6974	ug/L	1.92290	5.0	42.9906
B 249.678	12.9354	ug/L	0.093569	0.7	428.014
Ba 493.408	626.492	ug/L	1.42582	0.2	1535742
Be 313.042	3.99359	ug/L	0.008998	0.2	13806.9
Ca 373.690	55573.7	ug/L	140.938	0.3	268912
Cd 214.439	4.51267	ug/L	0.028602	0.6	181.310
Co 228.615	204.656	ug/L	0.068546	0.0	1852.73
Cr 267.716	319.787	ug/L	1.53672	0.5	15318.8
Cu 327.395	577.382	ug/L	1.53993	0.3	39630.0
Fe 273.955	276920	ug/L	828.464	0.3	3500666
K 404.721	22912.2	ug/L	451.348	2.0	327.885
Li 610.365	228.002	ug/L	0.479274	0.2	17166.5
Mg 279.078	102479	ug/L	380.904	0.4	432691
Mn 257.610	2930.88	ug/L	4.48726	0.2	885839
Mo 202.032	7.53049	ug/L	0.725474	9.6	78.2495
Na 330.237	2118.92	ug/L	49.5879	2.3	289.126
Ni 216.555	238.186	ug/L	1.69034	0.7	2065.16
Pb 220.353	34.9309	ug/L	0.914283	2.6	184.863
Sb 217.582	0.943933uv	ug/L	1.43410	151.9	6.17218
Se 196.026	-3.08683uv	ug/L	0.066230	2.1	0.275864
Si 251.611	2127.56	ug/L	3.38310	0.2	11213.2
Si 288.158	2152.89	ug/L	9.18099	0.4	26661.1
Sn 283.998	107.099	ug/L	0.190868	0.2	510.613
Sr 421.552	121.964	ug/L	0.345040	0.3	294943
Ti 336.122	8667.19	ug/L	1.57096	0.0	2119433
Tl 190.794	0.387662uv	ug/L	2.35123	606.5	2.25223
V 292.401	521.429	ug/L	1.28703	0.2	20335.5
Zn 202.548	479.734	ug/L	2.67651	0.6	11781.4
Zr 339.198	34.3377	ug/L	1.74559	5.1	2000.23

360-24309-A-16-E (Samp) **9/23/2009, 3:45:07 PM** **Rack 2, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.499972	ug/L	0.287551	57.5	6.66748
Al 237.312	131535	ug/L	785.656	0.6	515529
As 188.980	61.1893	ug/L	0.121744	0.2	67.0742
B 249.678	7.63510	ug/L	0.150502	2.0	269.772
Ba 493.408	472.869	ug/L	0.597377	0.1	1159192
Be 313.042	5.26157	ug/L	0.016162	0.3	18141.4
Ca 373.690	17195.3	ug/L	31.5118	0.2	85628.8
Cd 214.439	2.61710	ug/L	0.061077	2.3	106.458
Co 228.615	82.3641	ug/L	0.179469	0.2	752.906
Cr 267.716	269.812	ug/L	0.916144	0.3	12928.7
Cu 327.395	237.786	ug/L	0.993031	0.4	16363.4
Fe 273.955	145633	ug/L	490.290	0.3	1863344
K 404.721	21841.0	ug/L	338.485	1.5	311.946
Li 610.365	187.571	ug/L	0.192659	0.1	14123.6
Mg 279.078	45472.8	ug/L	108.226	0.2	200191
Mn 257.610	1402.89	ug/L	3.68737	0.3	424047
Mo 202.032	6.20048	ug/L	0.289354	4.7	65.8937
Na 330.237	1125.92	ug/L	26.0412	2.3	158.349
Ni 216.555	211.931	ug/L	0.672170	0.3	1838.01
Pb 220.353	58.1093	ug/L	0.297685	0.5	304.170
Sb 217.582	-1.68195uv	ug/L	0.760359	45.2	1.00668
Se 196.026	-2.12959uv	ug/L	0.742112	34.8	0.809509
Si 251.611	3295.29	ug/L	84.5347	2.6	17344.4
Si 288.158	3322.96	ug/L	64.5710	1.9	40908.0
Sn 283.998	93.3550	ug/L	2.22336	2.4	446.805
Sr 421.552	61.2278	ug/L	0.105107	0.2	148079
Ti 336.122	5909.12	ug/L	2.42895	0.0	1444998
Tl 190.794	1.29400uv	ug/L	2.00140	154.7	2.99188
V 292.401	268.872	ug/L	0.766104	0.3	10491.3
Zn 202.548	299.609	ug/L	1.32522	0.4	7376.21
Zr 339.198	46.1678	ug/L	2.54700	5.5	2688.16

360-24309-A-18-D (Samp) **9/23/2009, 3:48:01 PM** **Rack 2, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.12384	ug/L	0.194850	9.2	20.5540
Al 237.312	-x	ug/L	56.4802	0.0	793904
As 188.980	13.2426	ug/L	2.69333	20.3	15.7344
B 249.678	10.8390	ug/L	0.789286	7.3	365.427
Ba 493.408	327.289	ug/L	0.690879	0.2	802357
Be 313.042	3.16783	ug/L	0.001045	0.0	10984.2
Ca 373.690	56637.1	ug/L	46.9729	0.1	273839
Cd 214.439	5.74962	ug/L	0.054544	0.9	230.155
Co 228.615	180.689	ug/L	0.369047	0.2	1637.18
Cr 267.716	411.102	ug/L	0.600808	0.1	19686.1
Cu 327.395	257.822	ug/L	0.770140	0.3	17736.1
Fe 273.955	344346	ug/L	9230.24	2.7	4341547
K 404.721	19264.7	ug/L	187.497	1.0	274.148
Li 610.365	370.335	ug/L	0.717551	0.2	27878.7
Mg 279.078	194133	ug/L	255.984	0.1	791383

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	4600.16	ug/L	5.04780	0.1	1390336
Mo 202.032	6.34422	ug/L	0.542649	8.6	67.2290
Na 330.237	2198.59	ug/L	40.7185	1.9	299.642
Ni 216.555	352.151	ug/L	0.093783	0.0	3051.17
Pb 220.353	17.7130	ug/L	1.99103	11.2	96.2358
Sb 217.582	0.136729uv	ug/L	0.378194	276.6	4.58429
Se 196.026	0.726687uv	ug/L	1.14386	157.4	2.40184
Si 251.611	1494.51	ug/L	14.2775	1.0	7889.41
Si 288.158	1517.68	ug/L	16.8930	1.1	18926.7
Sn 283.998	138.868	ug/L	1.09716	0.8	658.108
Sr 421.552	146.171	ug/L	0.033415	0.0	353477
Ti 336.122	8809.37	ug/L	5.02363	0.1	2154201
Tl 190.794	0.500650uv	ug/L	1.01609	203.0	2.34444
V 292.401	486.454	ug/L	0.778404	0.2	18972.3
Zn 202.548	539.915	ug/L	4.34359	0.8	13253.2
Zr 339.198	26.9753	ug/L	0.566540	2.1	1572.10

360-24309-A-21-C (Samp) **9/23/2009, 3:50:54 PM** **Rack 2, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	33.9668	ug/L	2.45632	7.2	292.859
Al 237.312	196650	ug/L	580.734	0.3	766762
As 188.980	48.2777	ug/L	0.039722	0.1	53.2488
B 249.678	9.85013	ug/L	0.492827	5.0	335.903
Ba 493.408	2479.10	ug/L	14.3072	0.6	6076721
Be 313.042	2.77932	ug/L	0.017022	0.6	9656.10
Ca 373.690	88846.7	ug/L	383.296	0.4	419153
Cd 214.439	5.94177	ug/L	0.128069	2.2	237.743
Co 228.615	235.260	ug/L	1.04799	0.4	2127.97
Cr 267.716	332.679	ug/L	1.26730	0.4	15935.4
Cu 327.395	441.124	ug/L	3.44220	0.8	30294.6
Fe 273.955	355771	ug/L	7191.87	2.0	4484042
K 404.721	88009.4	ug/L	151.094	0.2	1541.74
Li 610.365	187.129	ug/L	0.667444	0.4	14090.3
Mg 279.078	156820	ug/L	117.623	0.1	645355
Mn 257.610	3688.09	ug/L	8.53983	0.2	1114688
Mo 202.032	7.27120	ug/L	0.049235	0.7	75.8408
Na 330.237	4639.28	ug/L	31.7083	0.7	623.551
Ni 216.555	221.512	ug/L	0.651681	0.3	1920.90
Pb 220.353	16.5943	ug/L	1.81365	10.9	90.4772
Sb 217.582	-1.23675uv	ug/L	0.774818	62.6	1.88245
Se 196.026	-1.29087uv	ug/L	2.75188	213.2	1.27708
Si 251.611	2491.37	ug/L	28.4747	1.1	13123.4
Si 288.158	2527.04	ug/L	35.6997	1.4	31216.9
Sn 283.998	104.072	ug/L	0.401664	0.4	496.562
Sr 421.552	206.300	ug/L	1.20788	0.6	498871
Ti 336.122	17892.7	ug/L	2.49283	0.0	4375368
Tl 190.794	1.45306uv	ug/L	2.63588	181.4	3.12169
V 292.401	643.921	ug/L	1.03550	0.2	25110.0
Zn 202.548	527.556	ug/L	3.44999	0.7	12951.0
Zr 339.198	38.3456	ug/L	0.897049	2.3	2233.30

360-24327-A-2-E (Samp) **9/23/2009, 3:53:48 PM** **Rack 2, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.023682uv	ug/L	0.508402	2146.8	2.59448
Al 237.312	46133.6	ug/L	203.597	0.4	186022
As 188.980	18.6027	ug/L	0.138261	0.7	21.4738
B 249.678	2.37850	ug/L	0.246613	10.4	112.834
Ba 493.408	116.717	ug/L	0.546412	0.5	286217
Be 313.042	1.40617	ug/L	0.004830	0.3	4962.17
Ca 373.690	8577.49	ug/L	43.3524	0.5	43001.1
Cd 214.439	0.760535	ug/L	0.022027	2.9	33.1448
Co 228.615	25.4600	ug/L	0.165367	0.6	241.143
Cr 267.716	82.3188	ug/L	0.344555	0.4	3961.55
Cu 327.395	76.6197	ug/L	0.538201	0.7	5321.50
Fe 273.955	47487.1	ug/L	233.605	0.5	639334
K 404.721	9683.17	ug/L	395.697	4.1	140.222
Li 610.365	59.9617	ug/L	0.345628	0.6	4519.50
Mg 279.078	13866.6	ug/L	57.5339	0.4	62441.0
Mn 257.610	505.058	ug/L	1.55767	0.3	152700
Mo 202.032	1.65102	ug/L	0.535783	32.5	23.6289
Na 330.237	437.074	ug/L	23.9432	5.5	67.9562
Ni 216.555	74.4192	ug/L	0.131876	0.2	648.287
Pb 220.353	23.3638	ug/L	0.978662	4.2	125.323
Sb 217.582	-1.25568uv	ug/L	0.759065	60.5	1.84521
Se 196.026	-2.52247uv	ug/L	0.926904	36.7	0.590485
Si 251.611	2915.77	ug/L	17.1575	0.6	15351.7
Si 288.158	2949.37	ug/L	15.3582	0.5	36359.1
Sn 283.998	28.2851	ug/L	0.246978	0.9	144.709
Sr 421.552	27.2866	ug/L	0.143533	0.5	66007.6
Ti 336.122	2336.48	ug/L	0.143286	0.0	571378
Tl 190.794	-1.03948uv	ug/L	1.61084	155.0	1.08755
V 292.401	77.2867	ug/L	0.286620	0.4	3023.71
Zn 202.548	126.318	ug/L	1.73084	1.4	3138.17
Zr 339.198	21.0548	ug/L	0.934528	4.4	1227.82

360-24327-A-4-E (Samp) **9/23/2009, 3:56:41 PM** **Rack 2, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.125803uv	ug/L	0.275640	219.1	3.46777
Al 237.312	188244	ug/L	436.064	0.2	734326
As 188.980	41.9491	ug/L	1.11858	2.7	46.4724
B 249.678	8.86285	ug/L	0.876043	9.9	306.427
Ba 493.408	245.804	ug/L	0.012807	0.0	602627
Be 313.042	7.02114	ug/L	0.015324	0.2	24156.2
Ca 373.690	27090.1	ug/L	216.071	0.8	133907
Cd 214.439	4.78059	ug/L	0.043512	0.9	191.890
Co 228.615	112.081	ug/L	0.347468	0.3	1020.16
Cr 267.716	209.269	ug/L	0.297663	0.1	10033.1
Cu 327.395	215.677	ug/L	1.18943	0.6	14848.6
Fe 273.955	296412	ug/L	842.628	0.3	3743752
K 404.721	17422.8	ug/L	126.709	0.7	247.590
Li 610.365	525.480	ug/L	0.368961	0.1	39555.2
Mg 279.078	98509.1	ug/L	276.528	0.3	417146

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3669.82	ug/L	12.1444	0.3	1109165
Mo 202.032	4.66723	ug/L	0.195972	4.2	51.6497
Na 330.237	269.727	ug/L	20.3360	7.5	46.0366
Ni 216.555	193.685	ug/L	0.143739	0.1	1680.15
Pb 220.353	77.4387	ug/L	2.08909	2.7	403.666
Sb 217.582	-1.83784uv	ug/L	0.304390	16.6	0.700012
Se 196.026	-0.129635uv	ug/L	1.62926	1256.8	1.92445
Si 251.611	2999.70	ug/L	67.7409	2.3	15792.4
Si 288.158	3069.32	ug/L	65.6375	2.1	37819.7
Sn 283.998	61.8352	ug/L	1.42546	2.3	300.470
Sr 421.552	53.3401	ug/L	0.051728	0.1	129006
Ti 336.122	5712.42	ug/L	10.2158	0.2	1396901
Tl 190.794	-0.982482uv	ug/L	1.81134	184.4	1.13406
V 292.401	483.856	ug/L	0.342591	0.1	18871.0
Zn 202.548	635.878	ug/L	6.20307	1.0	15600.1
Zr 339.198	27.6937	ug/L	1.25790	4.5	1613.88

360-24327-A-7-E (Samp) **9/23/2009, 3:59:35 PM** **Rack 2, Tube 8**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.131099uv	ug/L	0.302954	231.1	1.27087
Al 237.312	158035	ug/L	394.090	0.2	617772
As 188.980	71.1958	ug/L	1.19923	1.7	77.7888
B 249.678	7.20273	ug/L	0.109772	1.5	256.864
Ba 493.408	836.385	ug/L	3.18815	0.4	2050216
Be 313.042	5.28195	ug/L	0.013270	0.3	18211.0
Ca 373.690	43078.1	ug/L	184.585	0.4	210412
Cd 214.439	5.90920	ug/L	0.093208	1.6	236.457
Co 228.615	221.563	ug/L	0.748614	0.3	2004.78
Cr 267.716	343.128	ug/L	1.17570	0.3	16435.2
Cu 327.395	383.299	ug/L	2.47276	0.6	26332.9
Fe 273.955	355111	ug/L	861.499	0.2	4475807
K 404.721	39016.6	ug/L	378.990	1.0	583.241
Li 610.365	118.061	ug/L	0.301111	0.3	8892.12
Mg 279.078	105785	ug/L	392.361	0.4	445629
Mn 257.610	2788.90	ug/L	5.03779	0.2	842930
Mo 202.032	4.04636	ug/L	0.062888	1.6	45.8818
Na 330.237	3203.29	ug/L	1.46877	0.0	432.570
Ni 216.555	279.769	ug/L	0.320839	0.1	2424.93
Pb 220.353	11.4792	ug/L	0.636823	5.5	64.1482
Sb 217.582	-1.25258uv	ug/L	1.03800	82.9	1.85132
Se 196.026	0.241294uv	ug/L	2.99984	1243.2	2.13124
Si 251.611	1803.63	ug/L	6.27635	0.3	9512.45
Si 288.158	1826.53	ug/L	6.01282	0.3	22687.3
Sn 283.998	111.120	ug/L	0.087083	0.1	529.282
Sr 421.552	114.658	ug/L	0.258573	0.2	277277
Ti 336.122	7066.14	ug/L	11.1290	0.2	1727927
Tl 190.794	-1.56216uv	ug/L	0.069463	4.4	0.660995
V 292.401	506.807	ug/L	1.56743	0.3	19765.6
Zn 202.548	256.945	ug/L	2.89308	1.1	6332.82
Zr 339.198	34.1075	ug/L	0.245156	0.7	1986.84

360-24327-A-10-E (Samp) **9/23/2009, 4:02:28 PM** **Rack 2, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.538543	ug/L	0.132713	24.6	6.99731
Al 237.312	142843	ug/L	137.333	0.1	559157
As 188.980	26.4033	ug/L	1.63570	6.2	29.8265
B 249.678	7.90736	ug/L	0.422722	5.3	277.901
Ba 493.408	572.426	ug/L	0.135690	0.0	1403220
Be 313.042	3.44941	ug/L	0.007602	0.2	11946.7
Ca 373.690	61961.8	ug/L	107.654	0.2	298381
Cd 214.439	4.03789	ug/L	0.006047	0.1	162.562
Co 228.615	187.097	ug/L	0.346799	0.2	1694.81
Cr 267.716	296.774	ug/L	0.263115	0.1	14218.2
Cu 327.395	515.012	ug/L	3.93915	0.8	35356.8
Fe 273.955	223967	ug/L	669.851	0.3	2840266
K 404.721	30799.8	ug/L	118.703	0.4	449.257
Li 610.365	117.105	ug/L	0.516703	0.4	8820.20
Mg 279.078	109584	ug/L	243.642	0.2	460497
Mn 257.610	2249.76	ug/L	0.341642	0.0	679991
Mo 202.032	11.2013	ug/L	0.068621	0.6	112.352
Na 330.237	4085.07	ug/L	1.41646	0.0	549.705
Ni 216.555	247.644	ug/L	0.620747	0.3	2147.00
Pb 220.353	27.7937	ug/L	2.06709	7.4	148.125
Sb 217.582	2.13386	ug/L	0.630718	29.6	8.51294
Se 196.026	0.106602uv	ug/L	3.56339	3342.7	2.05615
Si 251.611	1936.58	ug/L	5.23917	0.3	10210.5
Si 288.158	1953.54	ug/L	10.7107	0.5	24233.8
Sn 283.998	100.724	ug/L	1.98546	2.0	481.016
Sr 421.552	149.881	ug/L	0.120034	0.1	362447
Ti 336.122	7806.85	ug/L	25.1113	0.3	1909053
Tl 190.794	-0.487525uv	ug/L	0.795431	163.2	1.53799
V 292.401	422.327	ug/L	0.189767	0.0	16472.7
Zn 202.548	254.272	ug/L	3.76265	1.5	6267.46
Zr 339.198	21.3674	ug/L	0.048747	0.2	1246.00

360-24327-A-16-D (Samp) **9/23/2009, 4:05:21 PM** **Rack 2, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.690711	ug/L	0.112848	16.3	8.29858
Al 237.312	130797	ug/L	259.978	0.2	512678
As 188.980	39.8189	ug/L	2.89059	7.3	44.1915
B 249.678	6.39459	ug/L	0.834209	13.0	232.736
Ba 493.408	393.507	ug/L	1.44906	0.4	964664
Be 313.042	3.47567	ug/L	0.009193	0.3	12036.5
Ca 373.690	48557.7	ug/L	107.069	0.2	236206
Cd 214.439	3.44675	ug/L	0.032305	0.9	139.219
Co 228.615	109.764	ug/L	0.387729	0.4	999.324
Cr 267.716	423.245	ug/L	1.37578	0.3	20266.9
Cu 327.395	617.792	ug/L	3.17141	0.5	42398.5
Fe 273.955	227452	ug/L	183.052	0.1	2883736
K 404.721	16997.2	ug/L	308.956	1.8	241.510
Li 610.365	106.309	ug/L	0.179625	0.2	8007.71
Mg 279.078	61398.3	ug/L	164.513	0.3	267206

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1610.88	ug/L	16.4486	1.0	486905
Mo 202.032	6.20615	ug/L	0.357032	5.8	65.9464
Na 330.237	2368.95	ug/L	22.4769	0.9	322.142
Ni 216.555	217.021	ug/L	0.464589	0.2	1882.05
Pb 220.353	17.7418	ug/L	0.691675	3.9	96.3840
Sb 217.582	1.06187	ug/L	0.212375	20.0	6.40417
Se 196.026	2.45105	ug/L	2.42170	98.8	3.36314
Si 251.611	1757.76	ug/L	3.36109	0.2	9271.59
Si 288.158	1778.36	ug/L	5.93643	0.3	22100.8
Sn 283.998	151.398	ug/L	0.671954	0.4	716.280
Sr 421.552	106.675	ug/L	0.287899	0.3	257972
Ti 336.122	5741.67	ug/L	24.1967	0.4	1404052
Tl 190.794	-1.08642uv	ug/L	0.849029	78.1	1.04924
V 292.401	382.927	ug/L	0.746165	0.2	14937.0
Zn 202.548	244.470	ug/L	0.869425	0.4	6027.72
Zr 339.198	21.5106	ug/L	0.966650	4.5	1254.33

CCV (CCV) **9/23/2009, 4:08:15 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	994.294	ug/L	1.61896	0.2	8505.10	99.42942
Al 237.312	4963.59	ug/L	7.52509	0.2	22039.6	99.27180
As 188.980	989.989	ug/L	0.814744	0.1	1061.60	98.99895
B 249.678	977.939	ug/L	6.06254	0.6	29238.6	97.79391
Ba 493.408	994.794	ug/L	0.030038	0.0	2438499	99.47945
Be 313.042	994.732	ug/L	0.428217	0.0	3400515	99.47324
Ca 373.690	19848.8	ug/L	8.96175	0.0	98645.5	99.24412
Cd 214.439	988.000	ug/L	0.377075	0.0	39017.6	98.79999
Co 228.615	991.901	ug/L	1.48460	0.1	8932.77	99.19010
Cr 267.716	1002.29	ug/L	0.569216	0.1	47960.5	100.22886
Cu 327.395	998.781	ug/L	6.02258	0.6	68501.1	99.87813
Fe 273.955	5012.13	ug/L	1.57994	0.0	79516.7	100.24263
K 404.721	20863.7	ug/L	193.156	0.9	297.517	104.31858
Li 610.365	4977.45	ug/L	3.39846	0.1	374618	99.54898
Mg 279.078	19814.8	ug/L	19.7824	0.1	88847.8	99.07404
Mn 257.610	994.401	ug/L	0.222784	0.0	300591	99.44006
Mo 202.032	993.971	ug/L	1.10157	0.1	9242.35	99.39714
Na 330.237	19991.9	ug/L	40.4984	0.2	2738.06	99.95940
Ni 216.555	999.834	ug/L	2.76006	0.3	8654.80	99.98340
Pb 220.353	987.403	ug/L	0.898687	0.1	5087.59	98.74030
Sb 217.582	990.197	ug/L	4.31541	0.4	1952.18	99.01973
Se 196.026	983.666	ug/L	2.03660	0.2	550.376	98.36658
Si 251.611	1007.28	ug/L	8.67341	0.9	5331.21	100.72775
Si 288.158	997.340	ug/L	9.97878	1.0	12591.1	99.73402
Sn 283.998	983.090	ug/L	1.46449	0.1	4577.52	98.30904
Sr 421.552	995.404	ug/L	1.48914	0.1	2406960	99.54038
Ti 336.122	995.492	ug/L	1.82659	0.2	243465	99.54922
Tl 190.794	993.222	ug/L	3.49108	0.4	812.497	99.32216
V 292.401	995.031	ug/L	0.771499	0.1	38795.6	99.50313
Zn 202.548	986.973	ug/L	0.075355	0.0	24186.6	98.69727
Zr 339.198	960.690	ug/L	3.29626	0.3	55868.2	96.06898

CCB (CCB) **9/23/2009, 4:11:08 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.134075	ug/L	0.167264	124.8	3.53851	0.13408
Al 237.312	-3.05494uv	ug/L	0.998018	32.7	15.2638	-3.05494
As 188.980	0.827781uv	ug/L	1.26522	152.8	2.44109	0.82778
B 249.678	22.4357	ug/L	3.79468	16.9	711.650	22.43568
Ba 493.408	0.256850	ug/L	0.002619	1.0	757.828	0.25685
Be 313.042	0.140546	ug/L	0.001768	1.3	635.816	0.14055
Ca 373.690	1.46274	ug/L	0.428392	29.3	44.5258	1.46274
Cd 214.439	0.173856	ug/L	0.052026	29.9	9.97780	0.17386
Co 228.615	0.260934	ug/L	0.010433	4.0	14.5164	0.26093
Cr 267.716	0.193175	ug/L	0.054371	28.1	33.7653	0.19318
Cu 327.395	0.104972	ug/L	0.020967	20.0	79.2784	0.10497
Fe 273.955	4.59348	ug/L	1.03565	22.5	95.2818	4.59348
K 404.721	-444.657uv	ug/L	110.212	24.8	10.0111	-444.65735
Li 610.365	0.012067uv	ug/L	0.049546	410.6	7.58789	0.01207
Mg 279.078	2.61511	ug/L	0.033077	1.3	24.1526	2.61511
Mn 257.610	0.151983	ug/L	0.016265	10.7	105.507	0.15198
Mo 202.032	10.1084	ug/L	2.24007	22.2	102.198	10.10837
Na 330.237	-18.8861uv	ug/L	37.3242	197.6	8.27026	-18.88606
Ni 216.555	0.072043	ug/L	0.068879	95.6	5.04877	0.07204
Pb 220.353	0.668902	ug/L	0.544736	81.4	8.50345	0.66890
Sb 217.582	0.171705	ug/L	0.140183	81.6	4.65309	0.17170
Se 196.026	4.67536	ug/L	2.47443	52.9	4.60316	4.67536
Si 251.611	3.91414	ug/L	0.569615	14.6	63.0927	3.91414
Si 288.158	2.30208	ug/L	0.174263	7.6	475.457	2.30208
Sn 283.998	-0.265825uv	ug/L	0.061020	23.0	12.1578	-0.26583
Sr 421.552	0.163773	ug/L	0.008339	5.1	423.266	0.16377
Ti 336.122	1.26620	ug/L	0.244316	19.3	345.372	1.26620
Tl 190.794	1.50103	ug/L	1.88115	125.3	3.16084	1.50103
V 292.401	0.471351	ug/L	0.025360	5.4	29.6050	0.47135
Zn 202.548	-0.017367uv	ug/L	0.012737	73.3	48.4689	-0.01737
Zr 339.198	0.565865	ug/L	0.041951	7.4	36.3766	0.56586

CCV (CCV) **9/23/2009, 5:35:30 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	973.710	ug/L	1.80001	0.2	8329.08	97.37105
Al 237.312	4867.59	ug/L	0.309705	0.0	21619.9	97.35184
As 188.980	975.655	ug/L	1.76475	0.2	1046.25	97.56551
B 249.678	958.022	ug/L	7.66583	0.8	28644.0	95.80225
Ba 493.408	977.822	ug/L	0.474958	0.0	2396897	97.78215
Be 313.042	972.919	ug/L	2.55118	0.3	3325948	97.29185
Ca 373.690	19352.6	ug/L	30.0741	0.2	96215.1	96.76298
Cd 214.439	968.166	ug/L	1.44792	0.1	38234.4	96.81659
Co 228.615	970.890	ug/L	2.56201	0.3	8743.81	97.08901
Cr 267.716	979.672	ug/L	1.03265	0.1	46878.8	97.96715
Cu 327.395	977.772	ug/L	11.3142	1.2	67061.7	97.77715
Fe 273.955	4900.04	ug/L	3.01556	0.1	77780.2	98.00083
K 404.721	19874.0	ug/L	105.617	0.5	283.018	99.37023
Li 610.365	4861.52	ug/L	4.78782	0.1	365893	97.23035
Mg 279.078	19393.2	ug/L	3.26484	0.0	86983.6	96.96624

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	972.351	ug/L	1.14460	0.1	293927	97.23515
Mo 202.032	971.793	ug/L	1.87825	0.2	9036.31	97.17931
Na 330.237	19499.6	ug/L	20.8776	0.1	2668.20	97.49812
Ni 216.555	977.707	ug/L	0.968862	0.1	8463.37	97.77069
Pb 220.353	967.377	ug/L	1.43489	0.1	4984.50	96.73766
Sb 217.582	972.920	ug/L	3.05104	0.3	1918.19	97.29203
Se 196.026	964.577	ug/L	0.639478	0.1	539.734	96.45766
Si 251.611	984.559	ug/L	9.06904	0.9	5211.94	98.45595
Si 288.158	971.513	ug/L	9.02053	0.9	12276.6	97.15134
Sn 283.998	963.432	ug/L	0.430764	0.0	4486.26	96.34316
Sr 421.552	974.451	ug/L	0.352302	0.0	2356295	97.44508
Ti 336.122	972.035	ug/L	0.129734	0.0	237729	97.20353
Tl 190.794	970.299	ug/L	4.04631	0.4	793.789	97.02987
V 292.401	971.937	ug/L	1.77778	0.2	37895.4	97.19370
Zn 202.548	964.693	ug/L	1.72629	0.2	23641.7	96.46928
Zr 339.198	994.923	ug/L	0.448761	0.0	57858.9	99.49233

CCB (CCB) **9/23/2009, 5:38:24 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.881136	ug/L	0.143917	16.3	9.92700	0.88114
Al 237.312	-2.02351uv	ug/L	0.701103	34.6	19.9031	-2.02351
As 188.980	1.48545	ug/L	0.947505	63.8	3.14530	1.48545
B 249.678	23.5093	ug/L	4.29958	18.3	743.705	23.50935
Ba 493.408	0.272200	ug/L	0.005855	2.2	795.453	0.27220
Be 313.042	0.213532	ug/L	0.002395	1.1	885.307	0.21353
Ca 373.690	2.69348	ug/L	0.223119	8.3	50.7288	2.69348
Cd 214.439	0.208673	ug/L	0.016530	7.9	11.3526	0.20867
Co 228.615	0.205384	ug/L	0.046393	22.6	14.0168	0.20538
Cr 267.716	0.588118	ug/L	0.069349	11.8	52.6540	0.58812
Cu 327.395	0.065615	ug/L	0.063991	97.5	76.5820	0.06562
Fe 273.955	3.62345	ug/L	0.428591	11.8	79.5308	3.62345
K 404.721	-133.645uv	ug/L	0.126022	0.1	13.8456	-133.64473
Li 610.365	-0.238166uv	ug/L	0.060280	25.3	-11.2451	-0.23817
Mg 279.078	4.84298	ug/L	0.072040	1.5	34.2803	4.84298
Mn 257.610	0.228942	ug/L	0.001461	0.6	128.765	0.22894
Mo 202.032	11.8791	ug/L	2.82999	23.8	118.649	11.87914
Na 330.237	-6.81845uv	ug/L	24.1149	353.7	9.84851	-6.81845
Ni 216.555	0.160141	ug/L	0.124809	77.9	5.81097	0.16014
Pb 220.353	0.637652	ug/L	0.893592	140.1	8.34259	0.63765
Sb 217.582	-0.156377uv	ug/L	0.678294	433.8	4.00771	-0.15638
Se 196.026	2.40829	ug/L	0.277769	11.5	3.33931	2.40829
Si 251.611	2.70373	ug/L	1.80511	66.8	56.7375	2.70373
Si 288.158	1.59552	ug/L	1.95790	122.7	466.854	1.59552
Sn 283.998	0.993493	ug/L	0.259472	26.1	18.0044	0.99349
Sr 421.552	0.237407	ug/L	0.001824	0.8	601.315	0.23741
Ti 336.122	0.667553	ug/L	0.157474	23.6	198.984	0.66755
Tl 190.794	1.99241	ug/L	0.378922	19.0	3.56185	1.99241
V 292.401	0.520612	ug/L	0.014773	2.8	31.5251	0.52061
Zn 202.548	0.011734uv	ug/L	0.034409	293.2	49.1806	0.01173
Zr 339.198	0.594454	ug/L	0.134846	22.7	38.0391	0.59445

Interf Check A (ICSA) **9/23/2009, 5:41:19 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	0.625547	ug/L	0.462556	73.9	7.74133	0.62555
Al 237.312	112659	ug/L	98.4812	0.1	4426992	659.48438K
As 188.980	1.41565	ug/L	1.27859	90.3	3.07056	1.41565
B 249.678	8.62994	ug/L	0.302618	3.5	299.474	8.62994
Ba 493.408	0.486626	ug/L	0.000677	0.1	1321.04	0.48663
Be 313.042	0.001908	ug/L	0.001511	79.2	161.899	0.00191
Ca 373.690	103536	ug/L	265.298	0.3	4829683	536.44531K
Cd 214.439	0.494936	ug/L	0.057233	11.6	22.6567	0.49494
Co 228.615	1.98878	ug/L	0.252186	12.7	30.0557	1.98878
Cr 267.716	0.556198	ug/L	0.104900	18.9	51.1274	0.55620
Cu 327.395	0.826258	ug/L	0.080727	9.8	128.696	0.82626
Fe 273.955	43405.3	ug/L	87.6757	0.2	5884293	405.25000K
K 404.721	1398.80	ug/L	48.6038	3.5	32.8506	1398.79907
Li 610.365	1.07506	ug/L	0.051546	4.8	87.5908	1.07506
Mg 279.078	109089	ug/L	245.493	0.2	4585589	088.85938K
Mn 257.610	3.16772	ug/L	0.007159	0.2	1016.93	3.16772
Mo 202.032	2.96884	ug/L	0.822631	27.7	35.8715	2.96884
Na 330.237	133.025	ug/L	29.0101	21.8	28.1428	133.02534
Ni 216.555	4.91881	ug/L	0.138093	2.8	46.9821	4.91881
Pb 220.353	-1.56194uv	ug/L	0.700546	44.9	-2.97949	-1.56194
Sb 217.582	-0.916055uv	ug/L	1.67122	182.4	2.51331	-0.91606
Se 196.026	1.27090uv	ug/L	3.28725	258.7	2.70523	1.27090
Si 251.611	-0.522694uv	ug/L	0.909419	174.0	39.7972	-0.52269
Si 288.158	-0.947273uv	ug/L	0.948062	100.1	435.893	-0.94727
Sn 283.998	1.09772	ug/L	0.785780	71.6	18.4883	1.09772
Sr 421.552	0.599754	ug/L	0.003907	0.7	1477.49	0.59975
Ti 336.122	1.73117	ug/L	0.180205	10.4	459.072	1.73117
Tl 190.794	1.31841uv	ug/L	2.30106	174.5	3.01180	1.31841
V 292.401	2.02245	ug/L	0.034896	1.7	90.0636	2.02245
Zn 202.548	-0.828179uv	ug/L	0.808507	97.6	28.6394	-0.82818
Zr 339.198	0.852667	ug/L	0.035153	4.1	53.0543	0.85267

Interf Check AB (ICSAB) **9/23/2009, 5:44:14 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	600.256	ug/L	0.782289	0.1	5135.48	100.04266
Al 237.312	109536	ug/L	112.844	0.1	430647	109.53562
As 188.980	1945.22	ug/L	1.11349	0.1	2084.43	97.26118
B 249.678	5.86365	ug/L	0.588073	10.0	216.885	-
Ba 493.408	582.607	ug/L	0.471894	0.1	1428175	97.10120
Be 313.042	189.392	ug/L	0.148778	0.1	647567	94.69612
Ca 373.690	101702	ug/L	1617.40	1.6	475057	101.70238
Cd 214.439	562.586	ug/L	1.41361	0.3	22218.7	93.76431
Co 228.615	567.461	ug/L	0.420233	0.1	5115.59	94.57687
Cr 267.716	569.635	ug/L	0.369695	0.1	27268.2	94.93916
Cu 327.395	593.054	ug/L	0.064867	0.0	40703.7	98.84232
Fe 273.955	42183.4	ug/L	20.2547	0.0	573191	105.45853
K 404.721	42206.5	ug/L	263.892	0.6	637.325	105.51631
Li 610.365	1.09108	ug/L	0.124433	11.4	88.7959	-
Mg 279.078	104820	ug/L	145.029	0.1	441852	104.82030

MET092309emn@720/725/730/735-ES@Quant@. All Data Report 9/24/2009, 7:20:44 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	379.827	ug/L	0.234350	0.1	114852	94.95679
Mo 202.032	1.29520	ug/L	0.461380	35.6	20.3233	-
Na 330.237	29.5550uv	ug/L	46.3484	156.8	14.6061	-
Ni 216.555	574.841	ug/L	0.426275	0.1	4977.84	95.80686
Pb 220.353	1841.71	ug/L	4.28373	0.2	9485.04	92.08568
Sb 217.582	923.373	ug/L	1.28249	0.1	1820.73	92.33733
Se 196.026	948.957	ug/L	5.17758	0.5	531.026	94.89571
Si 251.611	-0.662004uv	ug/L	0.461335	69.7	39.0658	-
Si 288.158	-0.661999uv	ug/L	1.67241	252.6	439.367	-
Sn 283.998	243.158	ug/L	0.012527	0.0	1142.29	-
Sr 421.552	0.625972	ug/L	0.001610	0.3	1540.88	-
Ti 336.122	1.64750	ug/L	0.109239	6.6	438.610	-
Tl 190.794	1839.76	ug/L	11.1901	0.6	1503.35	91.98815
V 292.401	580.252	ug/L	0.105393	0.0	22628.3	96.70859
Zn 202.548	542.384	ug/L	3.17054	0.6	13313.6	90.39734
Zr 339.198	3.12937	ug/L	0.465126	14.9	185.446	-

Metals Worksheet

Batch Number: 360-49332
Method: 3050B
Analyst: Burton, Teresa F

Date Open: Sep 23 2009 9:07AM
Batch End: Sep 23 2009 1:30PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	stlma-3_00039	stlma2_00035
MB~360-49332/1		3050B, 6010B		2.0 g	100 mL		
LCS~360-49332/2		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
LCSD~360-49332/3		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
360-24715-A-1	Comp 1/64753-3-6		T	1.78 g	100 mL		
360-24715-A-1~DU			T	1.74 g	100 mL		
360-24715-A-1~MS			T	1.79 g	100 mL	1.0 mL	1.0 mL
360-24715-A-2	Comp 2/64753-7-10		T	1.62 g	100 mL		
360-24715-A-3	SF-9/64753-1		T	1.73 g	100 mL		
360-24715-A-4	WF-9/64753-2		T	1.74 g	100 mL		
360-24715-A-5	WC-1/64753-11		T	1.67 g	100 mL		
360-24730-A-1	GAC-092209		T	1.87 g	100 mL		
360-24309-A-8	OC-SB-407-26/28-XXX		T	2.00 g	100 mL		
360-24309-A-13	OC-SB-414-20/22-XXX		T	1.92 g	100 mL		
360-24309-A-16	OC-SB-422-13/15-XXX		T	1.93 g	100 mL		
360-24309-A-18	OC-SB-429-16/18-XXX		T	1.61 g	100 mL		
360-24309-A-21	OC-SB-430-19/21-XXX		T	1.59 g	100 mL		
360-24327-A-2	OC-SB-403-13/15-XXX	3050B, 6010B	T	1.95 g	100 mL		
360-24327-A-4	OC-SB-404-13/15-XXX	3050B, 6010B	T	2.00 g	100 mL		
360-24327-A-7	OC-SB-409-15/17-XXX	3050B, 6010B	T	1.73 g	100 mL		
360-24327-A-10	OC-SB-410-17/19-XXX	3050B, 6010B	T	1.64 g	100 mL		
360-24327-A-16	OC-SB-418-15/17-XXX	3050B, 6010B	T	1.60 g	100 mL		

Balance ID:	37037
Hood ID or number:	5
Hot Block ID number:	1
Lot # of hydrochloric acid:	432372
Lot # of Nitric Acid:	432376
Logbook ID for diluted Nitric:	433275
Hydrogen peroxide lot number:	415984
Oven, Bath or Block Temperature 1:	95 Degrees C

Shipping and Receiving Documents

State Accreditation Matrix

Method Name	Description	State where Primary Accreditation is Carried				
		New York (NELAC)	Mass	Conn	Florida (NELAC)	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)				NP	
SM 4500 Cl F	Chlorine, Residual		NP			
SM 9215B	Heterotrophic Plate Count (Pour Plate Method)		P			
SM 9215E	Heterotrophic Plate Count (SimPlate)		P			
SM 9221F	E.Coli (Multiple-Tube Fermentation; EC-MUG)		P			
SM 9222B	Coliforms, Total (Membrane Filter)		P			
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP			
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P			
200.8	Metals (ICP/MS) (list upon request)	NP/P	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW		NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	NP/P		
7470A	Mercury (CVAA)	NP		NP		
7471A	Mercury (CVAA)	SW		SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	NP/P		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		NP/P		
3010A	Preparation, Total Metals	NP/P		NP/P		
3020A	Preparation, Total Metals	NP/P/SW		NP/P/SW		
3050B	Preparation, Metals	SW		SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)		P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP		NP		
3546	Microwave Extraction	SW				
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		NP		
3540C	Soxhlet Extraction					
3550B	Ultrasonic Extraction	SW		SW		
600/4-81-045	Polychlorinated Biphenyls (PCBs) (GC)		NP	NP		
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW		NP/SW		
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW		NP/SW		
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW		
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	P		
524.2	Trihalomethanes		P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	NP		
5035	Closed System Purge and Trap	SW		SW		
5030B	Purge and Trap	NP		NP		
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
180.1	Turbidity, Nephelometric		P	P		
300	Anions, Ion Chromatography	NP/P	NP/P	NP/P		
410.4	COD	NP	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	NP		
7196A	Chromium, Hexavalent	NP/SW		NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		NP		
9040B	pH	NP		NP		
9045C	pH	SW		SW		
L107041C	Nitrogen, Nitrate	NP	P	NP/P		
L107-06-1B	Nitrogen Ammonia	NP	NP	NP/P		
L204001A CN	Cyanide, Total		NP/P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP		NP		
SM 4500 H+ B	pH	NP/P	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	NP/P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	NP/P		
SM 4500 P E	Phosphorus, Total	NP	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP		NP		
SM 5210B	BOD, 5-Day	NP	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP	NP	NP/P		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is listing is subject to change based on the laboratories current certification standing.

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-24327-2
SDG Number: OCRI-07A

Login Number: 24327

List Source: TestAmerica Westfield

Creator: Rinard, Kimberley A

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	7.6 C / 10.0 C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

TAL-Soil

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360-24327

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email: SGMorrow@olin.com Email Rpt:

Requested Turnaround Time (SPECIFY): Standard ____ Rush ____ (Lab Approval Required)

Regulatory Programs: MADEP MCP ____ Superfund ____

Report Requirements Level IV Package ____ Level II Package ____

EDD Requirements: MACTEC EQUIS EZ EDD ____

INVOICE INFO (Shaded Areas for office use only)

Company Name:	Olin Corp
Company Contact:	ERG Accounts Payable
Address:	Same as Client
Phone:	Email
Job #	Quote #
Lab SDG #	PO #

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Ammonia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*	Comments (Special Instructions)
							ME	-	-	-	-	ME	-	-	-	-	-	-	-	-	<--Preservative Type (4)
							V	G	G	G	G	V	G	G	G	G	G	G	G	G	<--Bottle Type (5)
OC-SB-403-0.0/1.0-XXX	8/26/2009 1:25:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X			X	X	Category 1
OC-SB-403-13/15-XXX	8/26/2009 1:40:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X			X	X	Category 3

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Cooler: Y / N MADEP Requirement: Samples Iced: Y / N

Temp @ receipt: 7.6° 10.9°C Deg C

Preservation / pH checked? Y / N

By: ____ Date: 8/27/09

Relinquished: [signature] Date: 8/27/09 Time: 1455 Received: Jim Knollmy Date: 8/27/09 Time: 14

Relinquished: Jim Knollmy Date: 8/27/09 Time: 1710 Received: [signature] Date: 8/27/09 Time: @ 1710

Custody Seals intact

TAL-Soil

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36@ 24327

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 (6035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Amonnia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)							Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*			Comments (Special Instructions)
							ME	-	-	-	-	ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<--Preservative Type (4)
							V	G	G	G	G	V	G	G	G	G	G	G							G	G			<--Bottle Type (5)
OC-SB-403-6.0/8.0-XXX	8/26/2009 1:30:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-SB-404-13/15-XXX	8/26/2009 3:40:00 PM	T	FS	SO	G	9	X	X	X	X			X	X	X	X									X	X			Category 3
OC-SB-404-5.0/7.0-XXX	8/26/2009 3:20:00 PM	T	FS	SO	G	9	X	X	X	X			X	X	X	X									X	X			Category 2
OC-SB-409-0.0/1.0-XXX	8/26/2009 4:50:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-409-15/17-XXX	8/26/2009 5:15:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 3
OC-SB-409-6.0/8.0-XXX	8/26/2009 5:05:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-SB-410-0.0/1.0-XXX	8/27/2009 10:10:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-410-17/19-XXX	8/27/2009 11:15:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 3

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, ES = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida ** = Using Method 3620B

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida *** = Sulfate, Chloride

Cooler? Y / N MADEP Requirement: Samples Iced? Y / N

Temp @ receipt: 7.0°C (0.0°C) Deg C

Preservation / pH checked? Y / N

By: KW Date: 8/27/09

Relinquished: [signature] Date: 8/27/09 Time: 1455 Received: Tim Kyrollos Date: 8/27/09 Time: 1455

Relinquished: Tim Kyrollos Date: 8/27/09 Time: 1710 Received: [signature] Date: 8/27/09 Time: @1710

Custody Seals intact

TAL-Soil

360 24327

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Amonnia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)							Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*			Comments (Special Instructions)
							ME V	G	G	G	G	ME V	G	G	G	G	G	G							G	G			<--Preservative Type (4) <--Bottle Type (5)
OC-SB-410-6.0/8.0-DUP	8/27/2009 10:15:00	T	FD	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-SB-410-6.0/8.0-MSD	8/27/2009 10:15:00	T	MSD	SO	G	8	X	X	X	X															X	X			Category 2
OC-SB-410-6.0/8.0-XMS	8/27/2009 10:15:00	T	MS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-SB-410-6.0/8.0-XXX	8/27/2009 10:15:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-SB-411-0.0/1.0-XXX	8/26/2009 10:20:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-411-4.7/6.7-XXX	8/26/2009 10:35:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-SB-418-0.0/1.0-XXX	8/27/2009 8:25:00 AM	T	FS	SO	G	5	X	X					X		X	X									X				Category 1
OC-SB-418-15/17-XXX	8/27/2009 9:00:00 AM	T	FS	SO	G	5	X	X					X		X	X									X				Category 3

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida ** = Using Method 3620B

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida *** = Sulfate, Chloride

Cooler (Y) / N MADEP Requirement: Samples Iced (Y) / N

Temp @ receipt: 7.6/1.00 Deg C

Preservation / pH checked? Y (N)

By: KAN Date: 8/27/09

Relinquished: [signature] *Date:* 8/27/09 *Time:* 1455 *Received:* Tim Kroeller *Date:* 8/27/09 *Time:* 1455

Relinquished: Tim Kroeller *Date:* 8/27/09 *Time:* 1710 *Received:* [signature] *Date:* 8/27/09 *Time:* @1710

Custody seals intact

TAL-Soil

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MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Amonnia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)							Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*			Comments (Special Instructions)
							ME V	- G	- G	- G	- G	ME V	- G	- G	- G	- G	- G	- G	-	-	-	-	-	-	- G	- G	-	-	<--Preservative Type (4) <--Bottle Type (5)
OC-SB-418-8/10-XXX	8/27/2009 8:35:00 AM	T	FS	SO	G	5	X	X					X		X	X									X				Category 2

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

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: 7.6°C/10.09 Deg C

Preservation / pH checked: Y / N

By: [illegible] Date: 8/27/09

Custody seals intact

Relinquished: [signature] Date: 8/27/09 Time: 1455 Received: Tim Kindling Date: 8/27/09 Time: 1455

Relinquished: Tim Kindling Date: 8/27/09 Time: 1710 Received: [signature] Date: 8/27/09 Time: @ 1710

TAL-Soil

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360-24327

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:

INVOICE INFO	Shaded Areas for office use only
Company Name:	Olin Corp
Company Contact:	ERG Accounts Payable
Address:	Same as Client
Phone:	Email
Job #:	Quote #:
Lab SDG #:	PO #:

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Ammnia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*	Comments (Special Instructions)
							ME	-	-	-	-	ME	-	-	-	-	-	-	-	-	<--Preservative Type (4)
							V	G	G	G	G	V	G	G	G	G	G	G	G	G	<--Bottle Type (5)
OC-TBK-009	8/27/2009 2:40:00 PM	T	TB	SO	G	3	X														Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Cooler? Y / N: 0 MADEP Requirement

Samples Iced? Y / N

Temp. @ receipt: 7.6°C / 10.08 Deg C

Preservation / pH checked? Y / N

By: [illegible] Date: 8/27/09

Custody Seals intact

Relinquished: [signature] Date: 8/27/09 Time: 1455 Received: [signature] Date: 8/27/09 Time: 1455

Relinquished: [signature] Date: 8/27/09 Time: 1710 Received: [signature] Date: 8/27/09 Time: @ 1710

TAL-Water

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Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:

INVOICE INFO — Shaded Areas for office use only

Company Name:	Olin Corp
Company Contact:	ERG Accounts Payable
Address:	Same as Client
Phone:	Email

360 24327

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 ____

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 (8260B)	SVOA and TICs (8270C)	NDMA/DPA (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)***	Ammonia (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)
<--Preservative Type (4)							HA	-	-	-	-	-	HA	HA	NI	-	SA	-	NI	-	-	-	-	SA	SA	-	-	SA	-	
<--Bottle Type (5)							V	AG	AG	AG	AG	AG	AG	V	P	P	P	P	P	P	P	P	P	AG	P	AG	V	AG	AG	
OC-EBK-005	8/27/2009 8:00:00 AM	T	EB	BW	G	~~17~~ 15 (TC)	X	X	X	X					X	X	X									X	X			Category 1

Diphenylamine in same containers as SVOA (TC)

NDMA analysis by Method 8270C-Low Level (TC)

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 8/27/09)

Relinquished: [signature] Date: 8/27/09 Time: 1455 Received: [signature] Date: 8/27/09 Time: 1455

Relinquished: [signature] Date: 8/27/09 Time: 1710 Received: [signature] Date: 8/27/09 Time: 1710

CUSTODY SEALS INTACT

Cooler? Y/N	MADEP Requirement
	Samples Iced? Y/N
Temp @ receipt: 7.6°C / 10.0°C Deg C	
Preservation / pH checked? Y/N	
By: [signature]	Date: 8/27/09

PH checked Yes 8/27/09

7.6°C | 10.0°C

10/26/2009

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368 24327

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.

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
360-24327	OC-SB-403-13/15-XXX	(360-24327-2)	08/26/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24327	OC-SB-404-13/15-XXX	(360-24327-4)	08/26/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24327	OC-SB-409-15/17-XXX	(360-24327-7)	08/25/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24327	OC-SB-410-17/19-XXX	(360-24327-10)	08/25/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24327	OC-SB-418-15/17-XXX	(360-24327-16)	08/25/09	Category 3	SVOC[1]	Analyze SVOC Sample as Previously Requested on COC
360-24327	OC-SB-403-13/15-XXX	(360-24327-2)	08/26/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24327	OC-SB-404-13/15-XXX	(360-24327-4)	08/25/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24327	OC-SB-409-15/17-XXX	(360-24327-7)	08/25/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24327	OC-SB-410-17/19-XXX	(360-24327-10)	08/25/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24327	OC-SB-403-13/15-XXX	(360-24327-2)	08/26/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC
360-24327	OC-SB-404-13/15-XXX	(360-24327-4)	08/26/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC
360-24327	OC-SB-409-15/17-XXX	(360-24327-7)	08/25/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC
360-24327	OC-SB-410-17/19-XXX	(360-24327-10)	08/25/09	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

Tige Cunningham
Sample Manager
MACTEC Engineering & Consulting, Inc.

10-1-09
Date

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OCRI-07.xls, SVOCs Pending Samples

360-24327-2

Supplemental Instructions to Laboratory
Soil Samples
Olin Chemical Superfund Site

LABORATORY: TestAmerica Laboratory

Lab SDG / Work Order #	MACTEC Field Sample ID	Lab Sample ID	Sample Date	Sample Category on the COC	Analyte/Method	Action Item/Comments
360-24327	OC-SB-403-13/15-XXX	(360-24327-2)	08/26/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24327	OC-SB-404-13/15-XXX	(360-24327-4)	08/26/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24327	OC-SB-409-15/17-XXX	(360-24327-7)	08/26/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24327	OC-SB-410-17/19-XXX	(360-24327-10)	08/27/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24327	OC-SB-418-15/17-XXX	(360-24327-16)	08/27/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24327	OC-SB-403-13/15-XXX	(360-24327-2)	08/26/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24327	OC-SB-404-13/15-XXX	(360-24327-4)	08/26/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24327	OC-SB-409-15/17-XXX	(360-24327-7)	08/26/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24327	OC-SB-410-17/19-XXX	(360-24327-10)	08/27/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24327	OC-SB-418-15/17-XXX	(360-24327-16)	08/27/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC

Tige Cunningham

Sample Manager
MACTEC Engineering & Consulting, Inc.

9/18/09
Date

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