TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

FILE COPY

ANALYTICAL REPORT

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

Job Number: 360-24194-2

SDG Number: OCRI-02A

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
10/19/2009 3:00 PM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
10/19/2009

cc: Ms. Kelly Chatteron

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 #:	**360-24194-2**
Project Location:	**Willmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24194-(2,5,8)

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:** 10/19/09 14:29

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

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

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

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

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MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24194-2**
Project Location:	**Willmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24194-(2,5,8)

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

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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]

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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:** 10/19/09 14:29

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

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TestAmerica Westfield
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CASE NARRATIVE

Client: Olin Corporation

Project: Olin Chemical Superfund Site

Report Number: 360-24194-2

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 08/19/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.8 C.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 360-24194-2, 360-24194-5 and 360-24194-8 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 08/20/2009 and 08/25/2009 and analyzed on 08/28/2009, 08/31/2009 and 09/10/2009.

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

For samples 360-24194-2,2DL,DL2,DL3, Acetophenone was detected in method blank MB 360-47986/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

For sample 360-24194-2 (1X), batch 48213, the surrogate Terphenyl-d14 was high due to sample matrix interference. See chromatograms in raw data for details. Also the internal standard Chrysene-d12 was outside of method criteria (low) due to sample matrix interference from non-target compounds. Compounds affected by this failure are: Pyrene, Butyl benzyl phthalate, Bis(2-ethyhexyl)phthalate, 3,3-dichlorobenzidine, Benzo(a)anthracene and Chrysene. Results for Pyrene may be biased high.

For samples 360-24194-2,2DL,DL2,DL3, Aniline failed the recovery criteria low for LCS 360-47986/2-A. 2,3,4,6-Tetrachlorophenol, Atrazine, Benzophenone, Caprolactam and Diphenyl oxide failed the recovery criteria high for LCSD 360-47986/3-A. Several analytes exceeded the rpd limit. [For LCSD: Diphenyl oxide, Caprolactam, Benzophenone, 1,1-Biphenyl, 1-Methylnapthalene, Atrazine and 2,3,4,6-Tetrachlorophenol - these compounds may have been double spiked, resulting in both a high %R as well as a high recovery for % RPD.]

For samples 360-24194-5, 5DL, 8, 3,3'-Dichlorobenzidine, Aniline, Benzoic acid and Bis(2-chloroethyl)ether failed the recovery criteria low for LCS 360-48119/2-A. 1,3-Dichlorobenzene, 3,3'-Dichlorobenzidine and Aniline failed the recovery criteria low for LCSD 360-48119/3-A.

Several analytes failed the recovery criteria low for the MS/MSD of sample 360-24194-3 in batch 360-48213.
While for the MSD, 2,4-Dinitrophenol, Benzo[a]pyrene and Pentachlorophenol failed the recovery criteria high. Also, 4-Nitrophenol, Aniline, Bis(2-chloroethyl)ether and Caprolactam 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 sample 360-24194-2, batch 48213. CCV - Benzoic acid exceeded the max %D.
For sample 360-24194-2DL,DL2,DL3, batch 48389. CCV - several compounds exceeded the max %D however only reporting 1,1'-Biphenyl, Phenyl ether and Bis(2-ethylhexyl) phthalate, which were within control.

General method information:

For samples 360-24194-2,2DL,DL2,DL3, Diethyl phthalate and Di-n-butyl phthalate were detected in method blank MB 360-47986/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

For samples 360-24194-5, 5DL, 8, several analytes were detected in method blank MB 360-48119/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

For samples 360-24194-(5,5DL,8), batch 48751. ICAL: Quadratic regression used for: 1,2-Dichlorobenzene, 4,6-Dinitro-2-methylphenol, Benzoic acid and 2,4-Dinitrophenol. Initial Calibration criteria for regression is set as 0.99 (r2) for the coefficient of determination in the laboratory’s software. MethodSW846 8270C requires a minimum factor of 0.99 (r) based on the correlation coefficient. The Coefficient of determination for 2,4-Dinitrophenol for this ICAL is 0.983 (r2). The correlation coeffiecient for 2,4-Dinitrophenol is 0.992 (r).

For samples 360-24194-(2, 2DL, DL2, DL3), batch 48213. ICAL: A Quadratic equation calibration curve was used for Benzoic acid, Bis(2-chloroethyl)ether, and 3,3'-Dichlorobenzidine.

Samples 360-24194-2 (1X, 20X, 100X, 1000X - high targets, surrogates diluted out above 20X), and 360-24194-5(1X, 2X - high targets) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS
Samples 360-24194-2, 360-24194-5 and 360-24194-8 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 09/17/2009.

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

Tin exceeded the CRI method criteria with 63% recovery on the low reporting limit standard. The recommend MCP control criteria is 70-130%. The data has been flagged appropriately.

General method information:
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 360-49084/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

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: 360-24194-2
Sdg Number: OCRI-02A

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-24194-2	OC-SB-421-10.5/12.5-XXX	Solid	08/19/2009 0805	08/19/2009 1730
360-24194-5	OC-SB-424-17/19-XXX	Solid	08/19/2009 1235	08/19/2009 1730
360-24194-8	OC-SB-425-18/20-XXX	Solid	08/19/2009 1025	08/19/2009 1730

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24194-2	**OC-SB-421-10.5/12.5-XXX**					
1,1'-Biphenyl		11000		720	ug/Kg	8270C LL
1-Methylnaphthalene		58	*	36	ug/Kg	8270C LL
2,4-Dimethylphenol		35	J	36	ug/Kg	8270C LL
Acetophenone		8.5	J B	36	ug/Kg	8270C LL
Benzophenone		3.5	J *	36	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		420000		36000	ug/Kg	8270C LL
Dibenzofuran		38		36	ug/Kg	8270C LL
Di-n-butyl phthalate		590	B	36	ug/Kg	8270C LL
Diphenyl oxide		74000		3600	ug/Kg	8270C LL
N-Nitrosodiphenylamine		670		36	ug/Kg	8270C LL
Phenol		210		36	ug/Kg	8270C LL
Pyrene		15	J	36	ug/Kg	8270C LL
Aluminum		12000		3.2	mg/Kg	6010B
Arsenic		2.3		1.3	mg/Kg	6010B
Barium		61		0.64	mg/Kg	6010B
Beryllium		0.20	J	0.25	mg/Kg	6010B
Cadmium		0.32		0.25	mg/Kg	6010B
Calcium		7600	B	13	mg/Kg	6010B
Chromium		38		0.64	mg/Kg	6010B
Cobalt		16		0.64	mg/Kg	6010B
Copper		46		1.3	mg/Kg	6010B
Iron		22000	B	6.4	mg/Kg	6010B
Lead		1.1		0.64	mg/Kg	6010B
Magnesium		5800	B	13	mg/Kg	6010B
Manganese		170		1.3	mg/Kg	6010B
Nickel		28		1.3	mg/Kg	6010B
Potassium		2900		250	mg/Kg	6010B
Silver		2.1		0.64	mg/Kg	6010B
Sodium		900		130	mg/Kg	6010B
Vanadium		53		1.3	mg/Kg	6010B
Zinc		30		3.2	mg/Kg	6010B
Tin		13	B ^	6.4	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24194-5	**OC-SB-424-17/19-XXX**					
1,1'-Biphenyl		92		37	ug/Kg	8270C LL
4-Bromophenyl phenyl ether		11	J	37	ug/Kg	8270C LL
Benzoic acid		56	J *	180	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		1100		74	ug/Kg	8270C LL
Di-n-butyl phthalate		14	J B	37	ug/Kg	8270C LL
Diphenyl oxide		69		37	ug/Kg	8270C LL
N-Nitrosodiphenylamine		18	J	37	ug/Kg	8270C LL
Aluminum		9300		3.6	mg/Kg	6010B
Arsenic		2.3		1.4	mg/Kg	6010B
Barium		100		0.72	mg/Kg	6010B
Beryllium		0.17	J	0.29	mg/Kg	6010B
Cadmium		0.21	J	0.29	mg/Kg	6010B
Calcium		4300	B	14	mg/Kg	6010B
Chromium		88		0.72	mg/Kg	6010B
Cobalt		10		0.72	mg/Kg	6010B
Copper		16		1.4	mg/Kg	6010B
Iron		18000	B	7.2	mg/Kg	6010B
Lead		2.1		0.72	mg/Kg	6010B
Magnesium		7200	B	14	mg/Kg	6010B
Manganese		160		1.4	mg/Kg	6010B
Nickel		41		1.4	mg/Kg	6010B
Potassium		4200		290	mg/Kg	6010B
Silver		3.6		0.72	mg/Kg	6010B
Sodium		340		140	mg/Kg	6010B
Vanadium		35		1.4	mg/Kg	6010B
Zinc		17		3.6	mg/Kg	6010B
Tin		33	B ^	7.2	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24194-8	**OC-SB-425-18/20-XXX**					
1,1'-Biphenyl		150		35	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		62		35	ug/Kg	8270C LL
Di-n-butyl phthalate		24	J B	35	ug/Kg	8270C LL
Diphenyl oxide		64		35	ug/Kg	8270C LL
N-Nitrosodiphenylamine		170		35	ug/Kg	8270C LL
Aluminum		8600		3.3	mg/Kg	6010B
Arsenic		3.3		1.3	mg/Kg	6010B
Barium		29		0.66	mg/Kg	6010B
Beryllium		0.16	J	0.27	mg/Kg	6010B
Cadmium		0.21	J	0.27	mg/Kg	6010B
Calcium		3400	B	13	mg/Kg	6010B
Chromium		46		0.66	mg/Kg	6010B
Cobalt		8.2		0.66	mg/Kg	6010B
Copper		39		1.3	mg/Kg	6010B
Iron		16000	B	6.6	mg/Kg	6010B
Lead		2.1		0.66	mg/Kg	6010B
Magnesium		6100	B	13	mg/Kg	6010B
Manganese		150		1.3	mg/Kg	6010B
Nickel		20		1.3	mg/Kg	6010B
Potassium		1600		270	mg/Kg	6010B
Silver		0.27	J	0.66	mg/Kg	6010B
Sodium		190		130	mg/Kg	6010B
Vanadium		29		1.3	mg/Kg	6010B
Zinc		21		3.3	mg/Kg	6010B
Tin		16	B ^	6.6	mg/Kg	6010B

METHOD SUMMARY

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

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: 360-24194-2
Sdg Number: OCRI-02A

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-421-10.5/12.5-XXX**

Lab Sample ID: 360-24194-2
Client Matrix: Solid
% Moisture: 9.1

Date Sampled: 08/19/2009 0805
Date Received: 08/19/2009 1730

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48213		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-47986		Lab File ID:	B9905.D
Dilution:	1.0			Initial Weight/Volume:	30.61 g
Date Analyzed:	08/28/2009 2237			Final Weight/Volume:	1.0 mL
Date Prepared:	08/20/2009 1253			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
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		58	*	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		35	J	6.3	36
2,4-Dinitrophenol		ND		5.3	36
2,4-Dinitrotoluene		ND		5.1	36
2,6-Dinitrotoluene		ND		4.6	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		6.4	36
Acetophenone		8.5	J B	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		ND		6.9	36
Benzo[a]pyrene		ND		6.6	36
Benzo[b]fluoranthene		ND		8.2	36
Benzo[g,h,i]perylene		ND		7.0	36
Benzo[k]fluoranthene		ND		10	36
Benzoic acid		ND		15	180
Benzophenone		3.5	J *	2.2	36

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-421-10.5/12.5-XXX**

Lab Sample ID: 360-24194-2
Client Matrix: Solid
% Moisture: 9.1

Date Sampled: 08/19/2009 0805
Date Received: 08/19/2009 1730

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48213		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-47986		Lab File ID:	B9905.D
Dilution:	1.0			Initial Weight/Volume:	30.61 g
Date Analyzed:	08/28/2009 2237			Final Weight/Volume:	1.0 mL
Date Prepared:	08/20/2009 1253			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzyl alcohol		ND		8.3	72
Bis(2-chloroethoxy)methane		ND		6.5	36
Bis(2-chloroethyl)ether		ND		8.7	36
Butyl benzyl phthalate		ND		7.9	36
Caprolactam		ND	*	11	36
Carbazole		ND		36	36
Chrysene		ND		7.8	36
Dibenz(a,h)anthracene		ND		7.3	36
Dibenzofuran		38		21	36
Diethyl phthalate		ND		5.1	36
Dimethyl phthalate		ND		5.3	36
Di-n-butyl phthalate		590	B	11	36
Di-n-octyl phthalate		ND		10	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		670		7.2	36
Pentachlorophenol		ND		7.4	36
Phenanthrene		ND		41	43
Phenol		210		4.5	36
Pyrene		15	J	9.5	36

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	61		30 - 130
2-Fluorobiphenyl	70		30 - 130
2-Fluorophenol	91		30 - 130
Nitrobenzene-d5	65		30 - 130
Phenol-d5	95		30 - 130
Terphenyl-d14	219	X	30 - 130

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-421-10.5/12.5-XXX**

Lab Sample ID: 360-24194-2
Client Matrix: Solid
% Moisture: 9.1

Date Sampled: 08/19/2009 0805
Date Received: 08/19/2009 1730

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48213		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-47986		Lab File ID:	B9905.D
Dilution:	1.0			Initial Weight/Volume:	30.61 g
Date Analyzed:	08/28/2009 2237			Final Weight/Volume:	1.0 mL
Date Prepared:	08/20/2009 1253			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	7.17	880	T J
	Unknown	10.36	410	T J
84-69-5	1,2-Benzenedicarboxylic acid, bis(2-meth	14.47	680	T J N
	Unknown	15.09	32	T J
	Unknown	15.14	70	T J
	Unknown	17.15	25	T J

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-421-10.5/12.5-XXX**

Lab Sample ID: 360-24194-2
Client Matrix: Solid
% Moisture: 9.1

Date Sampled: 08/19/2009 0805
Date Received: 08/19/2009 1730

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48389		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-47986		Lab File ID:	B9922.D
Dilution:	20			Initial Weight/Volume:	30.61 g
Date Analyzed:	08/31/2009 2150	Run Type:	DL	Final Weight/Volume:	1.0 mL
Date Prepared:	08/20/2009 1253			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		11000		220	720

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	D X	30 - 130
2-Fluorobiphenyl	0	D X	30 - 130
2-Fluorophenol	0	D X	30 - 130
Nitrobenzene-d5	0	D X	30 - 130
Phenol-d5	0	D X	30 - 130
Terphenyl-d14	0	D X	30 - 130

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-421-10.5/12.5-XXX**

Lab Sample ID: 360-24194-2
Client Matrix: Solid
% Moisture: 9.1

Date Sampled: 08/19/2009 0805
Date Received: 08/19/2009 1730

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48389		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-47986		Lab File ID:	B9923.D
Dilution:	100			Initial Weight/Volume:	30.61 g
Date Analyzed:	08/31/2009 2224	Run Type:	DL2	Final Weight/Volume:	1.0 mL
Date Prepared:	08/20/2009 1253			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Diphenyl oxide		74000		1100	3600

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	D X	30 - 130
2-Fluorobiphenyl	0	D X	30 - 130
2-Fluorophenol	0	D X	30 - 130
Nitrobenzene-d5	0	D X	30 - 130
Phenol-d5	0	D X	30 - 130
Terphenyl-d14	0	D X	30 - 130

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-421-10.5/12.5-XXX**

Lab Sample ID: 360-24194-2
Client Matrix: Solid
% Moisture: 9.1

Date Sampled: 08/19/2009 0805
Date Received: 08/19/2009 1730

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48389		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-47986		Lab File ID:	B9924.D
Dilution:	1000			Initial Weight/Volume:	30.61 g
Date Analyzed:	08/31/2009 2258	Run Type:	DL3	Final Weight/Volume:	1.0 mL
Date Prepared:	08/20/2009 1253			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		420000		11000	36000

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	D X	30 - 130
2-Fluorobiphenyl	0	D X	30 - 130
2-Fluorophenol	0	D X	30 - 130
Nitrobenzene-d5	0	D X	30 - 130
Phenol-d5	0	D X	30 - 130
Terphenyl-d14	0	D X	30 - 130

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-424-17/19-XXX**

Lab Sample ID: 360-24194-5
Client Matrix: Solid
% Moisture: 11.2

Date Sampled: 08/19/2009 1235
Date Received: 08/19/2009 1730

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48751		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10157.D
Dilution:	1.0			Initial Weight/Volume:	30.59 g
Date Analyzed:	09/10/2009 0228			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		92		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		6.6	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		11	J	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		6.7	37
Benzo[b]fluoranthene		ND		8.4	37
Benzo[g,h,i]perylene		ND		7.2	37
Benzo[k]fluoranthene		ND		10	37
Benzoic acid		56	J *	16	180

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-424-17/19-XXX**

Lab Sample ID: 360-24194-5
Client Matrix: Solid
% Moisture: 11.2

Date Sampled: 08/19/2009 1235
Date Received: 08/19/2009 1730

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48751		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10157.D
Dilution:	1.0			Initial Weight/Volume:	30.59 g
Date Analyzed:	09/10/2009 0228			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			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
Butyl benzyl phthalate		ND		8.0	37
Caprolactam		ND		11	37
Carbazole		ND		37	37
Chrysene		ND		7.9	37
Dibenz(a,h)anthracene		ND		7.4	37
Dibenzofuran		ND		21	37
Diethyl phthalate		ND		5.2	37
Dimethyl phthalate		ND		5.4	37
Di-n-butyl phthalate		14	J B	11	37
Di-n-octyl phthalate		ND		10	37
Diphenyl oxide		69		11	37
Fluoranthene		ND		23	37
Fluorene		ND		14	37
Hexachlorobenzene		ND		8.7	37
Hexachlorobutadiene		ND		7.3	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	88
Nitrobenzene		ND		5.0	37
N-Nitrosodimethylamine		ND		4.3	37
N-Nitrosodi-n-propylamine		ND		4.2	37
N-Nitrosodiphenylamine		18	J	7.4	37
Pentachlorophenol		ND		7.6	37
Phenanthrene		ND		42	44
Phenol		ND		4.6	37
Pyrene		ND		9.8	37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	78		30 - 130
2-Fluorobiphenyl	65		30 - 130
2-Fluorophenol	103		30 - 130
Nitrobenzene-d5	63		30 - 130
Phenol-d5	98		30 - 130
Terphenyl-d14	71		30 - 130

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-424-17/19-XXX**

Lab Sample ID: 360-24194-5
Client Matrix: Solid
% Moisture: 11.2

Date Sampled: 08/19/2009 1235
Date Received: 08/19/2009 1730

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48751		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10157.D
Dilution:	1.0			Initial Weight/Volume:	30.59 g
Date Analyzed:	09/10/2009 0228			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	5.46	110	T J
112-84-5	Erucylamide	16.03	97	T J N
26603-23-6	p,p"-Dioctyldiphenylamine	17.08	76	T J N

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-424-17/19-XXX**

Lab Sample ID: 360-24194-5
Client Matrix: Solid
% Moisture: 11.2

Date Sampled: 08/19/2009 1235
Date Received: 08/19/2009 1730

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48751		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10171.D
Dilution:	2.0			Initial Weight/Volume:	30.59 g
Date Analyzed:	09/10/2009 1021	Run Type:	DL	Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bis(2-ethylhexyl) phthalate		1100		23	74

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	85		30 - 130
2-Fluorobiphenyl	84		30 - 130
2-Fluorophenol	101		30 - 130
Nitrobenzene-d5	76		30 - 130
Phenol-d5	93		30 - 130
Terphenyl-d14	104		30 - 130

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-425-18/20-XXX**

Lab Sample ID: 360-24194-8
Client Matrix: Solid
% Moisture: 7.4

Date Sampled: 08/19/2009 1025
Date Received: 08/19/2009 1730

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48751		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10161.D
Dilution:	1.0			Initial Weight/Volume:	30.43 g
Date Analyzed:	09/10/2009 0443			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		150		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		5.5	35
2-Chlorophenol		ND		3.5	35
2-Methylnaphthalene		ND		27	35
2-Methylphenol		ND		5.1	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		9.1	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		9.5	180
4-Nitrophenol		ND		6.9	180
Acenaphthene		ND		5.2	35
Acenaphthylene		ND		6.3	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: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-425-18/20-XXX**

Lab Sample ID: 360-24194-8
Client Matrix: Solid
% Moisture: 7.4

Date Sampled: 08/19/2009 1025
Date Received: 08/19/2009 1730

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48751		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10161.D
Dilution:	1.0			Initial Weight/Volume:	30.43 g
Date Analyzed:	09/10/2009 0443			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			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		62		11	35
Butyl benzyl phthalate		ND		7.8	35
Caprolactam		ND		11	35
Carbazole		ND		35	35
Chrysene		ND		7.7	35
Dibenz(a,h)anthracene		ND		7.2	35
Dibenzofuran		ND		21	35
Diethyl phthalate		ND		5.0	35
Dimethyl phthalate		ND		5.2	35
Di-n-butyl phthalate		24	J B	11	35
Di-n-octyl phthalate		ND		10	35
Diphenyl oxide		64		11	35
Fluoranthene		ND		22	35
Fluorene		ND		14	35
Hexachlorobenzene		ND		8.4	35
Hexachlorobutadiene		ND		7.1	35
Hexachlorocyclopentadiene		ND		9.7	71
Hexachloroethane		ND		6.8	35
Indeno[1,2,3-cd]pyrene		ND		11	35
Isophorone		ND		7.6	35
Naphthalene		ND		79	85
Nitrobenzene		ND		4.8	35
N-Nitrosodimethylamine		ND		4.1	35
N-Nitrosodi-n-propylamine		ND		4.0	35
N-Nitrosodiphenylamine		170		7.1	35
Pentachlorophenol		ND		7.3	35
Phenanthrene		ND		41	43
Phenol		ND		4.4	35
Pyrene		ND		9.4	35

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	87		30 - 130
2-Fluorobiphenyl	77		30 - 130
2-Fluorophenol	80		30 - 130
Nitrobenzene-d5	76		30 - 130
Phenol-d5	79		30 - 130
Terphenyl-d14	96		30 - 130

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-425-18/20-XXX**

Lab Sample ID: 360-24194-8
Client Matrix: Solid
% Moisture: 7.4

Date Sampled: 08/19/2009 1025
Date Received: 08/19/2009 1730

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48751		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10161.D
Dilution:	1.0			Initial Weight/Volume:	30.43 g
Date Analyzed:	09/10/2009 0443			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	11.82	88	T J
1560-89-0	Heptadecane, 2-methyl-	13.54	50	T J N
	Unknown	13.72	60	T J
629-99-2	Pentacosane	14.13	52	T J N
630-1-3	Hexacosane	14.85	46	T J N
7225-64-1	Heptadecane, 9-octyl-	15.49	49	T J N
112-84-5	Erucylamide	16.02	150	T J N
26603-23-6	p,p"-Dioctyldiphenylamine	17.09	1300	T J N

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-421-10.5/12.5-XXX**

Lab Sample ID: 360-24194-2
Client Matrix: Solid
% Moisture: 9.1

Date Sampled: 08/19/2009 0805
Date Received: 08/19/2009 1730

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49137		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49084		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.73 g
Date Analyzed:	09/17/2009 1622			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2009 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		12000		0.83	3.2
Antimony		ND		0.23	0.64
Arsenic		2.3		0.12	1.3
Barium		61		0.083	0.64
Beryllium		0.20	J	0.032	0.25
Cadmium		0.32		0.0089	0.25
Calcium		7600	B	3.2	13
Chromium		38		0.085	0.64
Cobalt		16		0.083	0.64
Copper		46		0.083	1.3
Iron		22000	B	1.0	6.4
Lead		1.1		0.073	0.64
Magnesium		5800	B	0.64	13
Manganese		170		0.085	1.3
Nickel		28		0.083	1.3
Potassium		2900		40	250
Selenium		ND		0.30	0.64
Silver		2.1		0.064	0.64
Sodium		900		17	130
Thallium		ND		0.092	1.3
Vanadium		53		0.083	1.3
Zinc		30		0.75	3.2
Tin		13	B ^	0.41	6.4

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-424-17/19-XXX**

Lab Sample ID: 360-24194-5
Client Matrix: Solid
% Moisture: 11.2

Date Sampled: 08/19/2009 1235
Date Received: 08/19/2009 1730

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49137		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49084		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.56 g
Date Analyzed:	09/17/2009 1625			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2009 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9300		0.94	3.6
Antimony		ND		0.26	0.72
Arsenic		2.3		0.13	1.4
Barium		100		0.094	0.72
Beryllium		0.17	J	0.036	0.29
Cadmium		0.21	J	0.010	0.29
Calcium		4300	B	3.6	14
Chromium		88		0.096	0.72
Cobalt		10		0.094	0.72
Copper		16		0.094	1.4
Iron		18000	B	1.2	7.2
Lead		2.1		0.082	0.72
Magnesium		7200	B	0.72	14
Manganese		160		0.096	1.4
Nickel		41		0.094	1.4
Potassium		4200		45	290
Selenium		ND		0.34	0.72
Silver		3.6		0.073	0.72
Sodium		340		19	140
Thallium		ND		0.10	1.4
Vanadium		35		0.094	1.4
Zinc		17		0.85	3.6
Tin		33	B ^	0.46	7.2

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Client Sample ID: **OC-SB-425-18/20-XXX**

Lab Sample ID: 360-24194-8
Client Matrix: Solid
% Moisture: 7.4

Date Sampled: 08/19/2009 1025
Date Received: 08/19/2009 1730

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49137		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49084		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.63 g
Date Analyzed:	09/17/2009 1628			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2009 0926				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8600		0.86	3.3
Antimony		ND		0.24	0.66
Arsenic		3.3		0.12	1.3
Barium		29		0.086	0.66
Beryllium		0.16	J	0.033	0.27
Cadmium		0.21	J	0.0093	0.27
Calcium		3400	B	3.3	13
Chromium		46		0.088	0.66
Cobalt		8.2		0.086	0.66
Copper		39		0.086	1.3
Iron		16000	B	1.1	6.6
Lead		2.1		0.076	0.66
Magnesium		6100	B	0.66	13
Manganese		150		0.089	1.3
Nickel		20		0.086	1.3
Potassium		1600		41	270
Selenium		ND		0.31	0.66
Silver		0.27	J	0.067	0.66
Sodium		190		17	130
Thallium		ND		0.096	1.3
Vanadium		29		0.086	1.3
Zinc		21		0.78	3.3
Tin		16	B ^	0.42	6.6

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

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
360-24194-2	OC-SB-421-10.5/12.5 -XXX	91	95	65	70	61	219X
360-24194-2 DL	OC-SB-421-10.5/12.5 -XXX DL	0D X	0D X	0D X	0D X	0D X	0D X
360-24194-2 DL2	OC-SB-421-10.5/12.5 -XXX DL2	0D X	0D X	0D X	0D X	0D X	0D X
360-24194-2 DL3	OC-SB-421-10.5/12.5 -XXX DL3	0D X	0D X	0D X	0D X	0D X	0D X
360-24194-5	OC-SB-424-17/19-XX X	103	98	63	65	78	71
360-24194-5 DL	OC-SB-424-17/19-XX X DL	101	93	76	84	85	104
360-24194-8	OC-SB-425-18/20-XX X	80	79	76	77	87	96
MB 360-47986/1-A		97	98	70	74	73	76
MB 360-48119/1-A		91	82	69	69	66	70
LCS 360-47986/2-A		71	73	80	73	78	67
LCS 360-48119/2-A		59	54	50	69	71	71
LCSD 360-47986/3-A		72	74	82	76	80	69
LCSD 360-48119/3-A		57	48	47	68	69	70

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: 360-24194-2
Sdg Number: OCRI-02A

Method Blank - Batch: 360-47986

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-47986/1-A	Analysis Batch:	360-48213	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-47986	Lab File ID:	B9886.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	08/28/2009 1152			Final Weight/Volume:	1.0 mL
Date Prepared:	08/20/2009 1253			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	4.17	J	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: 360-24194-2
Sdg Number: OCRI-02A

Method Blank - Batch: 360-47986

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-47986/1-A	Analysis Batch:	360-48213	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-47986	Lab File ID:	B9886.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	08/28/2009 1152			Final Weight/Volume:	1.0 mL
Date Prepared:	08/20/2009 1253			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	ND		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	4.98	J	4.7	33
Dimethyl phthalate	ND		4.9	33
Di-n-butyl phthalate	30.2	J	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	73	30 - 130

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	74	30 - 130
2-Fluorophenol	97	30 - 130
Nitrobenzene-d5	70	30 - 130
Phenol-d5	98	30 - 130
Terphenyl-d14	76	30 - 130

Method Blank TICs- Batch: 360-47986

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	4.86	21.2	T J
	Unknown	4.97	87.7	T J
71-43-2	Benzene	5.13	41.5	T J N
	Unknown	7.16	1680	T J
	Unknown	7.69	48.0	T J
96-48-0	Butyrolactone	7.78	37.3	T J N

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-47986

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-47986/2-A	Analysis Batch:	360-48213	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-47986	Lab File ID:	B9887.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	08/28/2009 1225			Final Weight/Volume:	1.0 mL
Date Prepared:	08/20/2009 1253			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-47986/3-A	Analysis Batch:	360-48213	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-47986	Lab File ID:	B9888.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	08/28/2009 1259			Final Weight/Volume:	1.0 mL
Date Prepared:	08/20/2009 1253			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	76	135	40 - 140	56	30		*
1,2,4,5-Tetrachlorobenzene	77	79	40 - 140	2	30		
1,2,4-Trichlorobenzene	71	70	40 - 140	1	30		
1,2-Dichlorobenzene	66	63	40 - 140	5	30		
1,3-Dichlorobenzene	71	69	40 - 140	3	30		
1,4-Dichlorobenzene	71	69	40 - 140	4	30		
1-Methylnaphthalene	74	140	40 - 140	62	30		*
2,2'-oxybis[1-chloropropane]	81	79	40 - 140	3	30		
2,3,4,6-Tetrachlorophenol	76	160	40 - 140	71	30		*
2,4,5-Trichlorophenol	92	91	30 - 130	1	30		
2,4,6-Trichlorophenol	88	87	30 - 130	1	30		
2,4-Dichlorophenol	91	91	30 - 130	0	30		
2,4-Dimethylphenol	102	99	30 - 130	2	30		
2,4-Dinitrophenol	71	69	30 - 130	3	30		
2,4-Dinitrotoluene	92	91	40 - 140	2	30		
2,6-Dinitrotoluene	85	84	40 - 140	1	30		
2-Chloronaphthalene	66	66	40 - 140	0	30		
2-Chlorophenol	78	76	30 - 130	3	30		
2-Methylnaphthalene	79	80	40 - 140	0	30		
2-Methylphenol	82	67	30 - 130	20	30		
2-Nitroaniline	95	94	40 - 140	1	30		
2-Nitrophenol	88	88	30 - 130	1	30		
3 & 4 Methylphenol	85	88	30 - 130	3	30		
3,3'-Dichlorobenzidine	100	95	40 - 140	5	30		
3-Nitroaniline	86	81	40 - 140	5	30		
4,6-Dinitro-2-methylphenol	90	88	30 - 130	1	30		
4-Bromophenyl phenyl ether	83	83	40 - 140	1	30		
4-Chloro-3-methylphenol	96	97	30 - 130	0	30		
4-Chloroaniline	69	62	40 - 140	10	30		
4-Chlorophenyl phenyl ether	87	86	40 - 140	2	30		
4-Nitroaniline	103	100	40 - 140	3	30		
4-Nitrophenol	99	95	30 - 130	4	30		

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-47986

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-47986/2-A	Analysis Batch:	360-48213	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-47986	Lab File ID:	B9887.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	08/28/2009 1225			Final Weight/Volume:	1.0 mL
Date Prepared:	08/20/2009 1253			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-47986/3-A	Analysis Batch:	360-48213	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-47986	Lab File ID:	B9888.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	08/28/2009 1259			Final Weight/Volume:	1.0 mL
Date Prepared:	08/20/2009 1253			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	90	89	40 - 140	1	30		
Acenaphthylene	83	83	40 - 140	0	30		
Acetophenone	75	73	40 - 140	3	30		
Aniline	28	75	40 - 140	90	30	*	*
Anthracene	97	96	40 - 140	1	30		
Atrazine	91	192	40 - 140	72	30		*
Azobenzene	84	108	40 - 140	25	30		
Benzaldehyde	80	78	40 - 140	3	30		
Benzo[a]anthracene	105	103	40 - 140	2	30		
Benzo[a]pyrene	97	96	40 - 140	1	30		
Benzo[b]fluoranthene	95	94	40 - 140	1	30		
Benzo[g,h,i]perylene	101	98	40 - 140	3	30		
Benzo[k]fluoranthene	102	102	40 - 140	0	30		
Benzoic acid	48	48	30 - 130	0	30	J	J
Benzophenone	88	148	40 - 140	51	30		*
Benzyl alcohol	83	69	30 - 130	18	30		
Bis(2-chloroethoxy)methane	78	79	40 - 140	0	30		
Bis(2-chloroethyl)ether	87	102	40 - 140	16	30		
Bis(2-ethylhexyl) phthalate	91	90	40 - 140	1	30		
Butyl benzyl phthalate	88	87	40 - 140	2	30		
Caprolactam	95	195	40 - 140	68	30		*
Carbazole	101	100	40 - 140	1	30		
Chrysene	98	94	40 - 140	5	30		
Dibenz(a,h)anthracene	98	96	40 - 140	2	30		
Dibenzofuran	81	80	40 - 140	1	30		
Diethyl phthalate	96	96	40 - 140	0	30		
Dimethyl phthalate	90	90	40 - 140	1	30		
Di-n-butyl phthalate	103	103	40 - 140	0	30		
Di-n-octyl phthalate	85	89	40 - 140	5	30		
Diphenyl oxide	76	154	40 - 140	68	30		*
Fluoranthene	98	97	40 - 140	1	30		
Fluorene	98	98	40 - 140	1	30		

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-47986

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-47986/2-A	Analysis Batch:	360-48213	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-47986	Lab File ID:	B9887.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	08/28/2009 1225			Final Weight/Volume:	1.0 mL
Date Prepared:	08/20/2009 1253			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-47986/3-A	Analysis Batch:	360-48213	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-47986	Lab File ID:	B9888.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	08/28/2009 1259			Final Weight/Volume:	1.0 mL
Date Prepared:	08/20/2009 1253			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hexachlorobenzene	83	83	40 - 140	0	30		
Hexachlorobutadiene	72	71	40 - 140	1	30		
Hexachlorocyclopentadiene	79	75	40 - 140	6	30		
Hexachloroethane	69	66	40 - 140	3	30		
Indeno[1,2,3-cd]pyrene	96	95	40 - 140	1	30		
Isophorone	76	75	40 - 140	2	30		
Naphthalene	68	69	40 - 140	1	30		
Nitrobenzene	86	86	40 - 140	0	30		
N-Nitrosodimethylamine	72	70	40 - 140	4	30		
N-Nitrosodi-n-propylamine	83	79	40 - 140	5	30		
N-Nitrosodiphenylamine	66	65	40 - 140	3	30		
Pentachlorophenol	67	69	30 - 130	3	30		
Phenanthrene	86	86	40 - 140	0	30		
Phenol	80	78	30 - 130	3	30		
Pyrene	82	82	40 - 140	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	78	80	30 - 130
2-Fluorobiphenyl	73	76	30 - 130
2-Fluorophenol	71	72	30 - 130
Nitrobenzene-d5	80	82	30 - 130
Phenol-d5	73	74	30 - 130
Terphenyl-d14	67	69	30 - 130

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-47986

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-47986/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-47986/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	08/28/2009 1225			Date Analyzed:	08/28/2009 1259
Date Prepared:	08/20/2009 1253			Date Prepared:	08/20/2009 1253

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1'-Biphenyl	333	333	252		449	*
1,2,4,5-Tetrachlorobenzene	333	333	258		264	
1,2,4-Trichlorobenzene	333	333	236		234	
1,2-Dichlorobenzene	333	333	219		209	
1,3-Dichlorobenzene	333	333	238		230	
1,4-Dichlorobenzene	333	333	238		229	
1-Methylnaphthalene	333	333	245		467	*
2,2'-oxybis[1-chloropropane]	333	333	272		263	
2,3,4,6-Tetrachlorophenol	333	333	253		532	*
2,4,5-Trichlorophenol	333	333	307		304	
2,4,6-Trichlorophenol	333	333	292		289	
2,4-Dichlorophenol	333	333	302		303	
2,4-Dimethylphenol	333	333	339		331	
2,4-Dinitrophenol	333	333	237		231	
2,4-Dinitrotoluene	333	333	307		302	
2,6-Dinitrotoluene	333	333	284		280	
2-Chloronaphthalene	333	333	220		220	
2-Chlorophenol	333	333	260		253	
2-Methylnaphthalene	333	333	264		265	
2-Methylphenol	333	333	274		224	
2-Nitroaniline	333	333	316		314	
2-Nitrophenol	333	333	292		295	
3 & 4 Methylphenol	333	333	284		292	
3,3'-Dichlorobenzidine	333	333	334		316	
3-Nitroaniline	333	333	285		270	
4,6-Dinitro-2-methylphenol	333	333	298		294	
4-Bromophenyl phenyl ether	333	333	278		275	
4-Chloro-3-methylphenol	333	333	320		322	
4-Chloroaniline	333	333	230		208	
4-Chlorophenyl phenyl ether	333	333	291		286	
4-Nitroaniline	333	333	345		334	
4-Nitrophenol	333	333	329		317	
Acenaphthene	333	333	298		297	
Acenaphthylene	333	333	276		276	
Acetophenone	333	333	251		245	
Aniline	333	333	94.2	*	249	*
Anthracene	333	333	325		320	
Atrazine	333	333	302		640	*
Azobenzene	333	333	280		360	

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-47986

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-47986/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-47986/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	08/28/2009 1225			Date Analyzed:	08/28/2009 1259
Date Prepared:	08/20/2009 1253			Date Prepared:	08/20/2009 1253

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Benzaldehyde	333	333	267		259	
Benzo[a]anthracene	333	333	351		343	
Benzo[a]pyrene	333	333	324		322	
Benzo[b]fluoranthene	333	333	318		313	
Benzo[g,h,i]perylene	333	333	336		326	
Benzo[k]fluoranthene	333	333	339		339	
Benzoic acid	333	333	160	J	159	J
Benzophenone	333	333	293		492	*
Benzyl alcohol	333	333	276		229	
Bis(2-chloroethoxy)methane	333	333	262		262	
Bis(2-chloroethyl)ether	333	333	291		340	
Bis(2-ethylhexyl) phthalate	333	333	304		301	
Butyl benzyl phthalate	333	333	295		290	
Caprolactam	333	333	318		650	*
Carbazole	333	333	336		333	
Chrysene	333	333	327		312	
Dibenz(a,h)anthracene	333	333	327		320	
Dibenzofuran	333	333	269		266	
Diethyl phthalate	333	333	321		320	
Dimethyl phthalate	333	333	301		299	
Di-n-butyl phthalate	333	333	344		343	
Di-n-octyl phthalate	333	333	284		297	
Diphenyl oxide	333	333	252		512	*
Fluoranthene	333	333	326		322	
Fluorene	333	333	328		325	
Hexachlorobenzene	333	333	276		275	
Hexachlorobutadiene	333	333	240		237	
Hexachlorocyclopentadiene	333	333	264		249	
Hexachloroethane	333	333	229		221	
Indeno[1,2,3-cd]pyrene	333	333	321		316	
Isophorone	333	333	253		248	
Naphthalene	333	333	226		229	
Nitrobenzene	333	333	288		288	
N-Nitrosodimethylamine	333	333	242		232	
N-Nitrosodi-n-propylamine	333	333	278		264	
N-Nitrosodiphenylamine	333	333	221		216	
Pentachlorophenol	333	333	224		230	
Phenanthrene	333	333	287		286	
Phenol	333	333	267		259	

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-47986

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-47986/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-47986/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	08/28/2009 1225			Date Analyzed:	08/28/2009 1259
Date Prepared:	08/20/2009 1253			Date Prepared:	08/20/2009 1253

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Pyrene	333	333	275	272

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Method Blank - Batch: 360-48119

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48119/1-A	Analysis Batch:	360-48751	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48119	Lab File ID:	B10153.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/10/2009 0013			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			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: 360-24194-2
Sdg Number: OCRI-02A

Method Blank - Batch: 360-48119

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48119/1-A	Analysis Batch:	360-48751	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48119	Lab File ID:	B10153.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/10/2009 0013			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			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	ND		14	170
Benzophenone	2.11	J	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	13.8	J	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	4.70	J	4.7	33
Dimethyl phthalate	ND		4.9	33
Di-n-butyl phthalate	23.2	J	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	66	30 - 130

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	69	30 - 130
2-Fluorophenol	91	30 - 130
Nitrobenzene-d5	69	30 - 130
Phenol-d5	82	30 - 130
Terphenyl-d14	70	30 - 130

Method Blank TICs- Batch: 360-48119

Cas Number	Analyte	RT	Est. Result	Qual
541-5-9	Cyclotrisiloxane, hexamethyl-	5.75	21.6	T J N
	Unknown	6.08	3280	T J
111-76-2	Ethanol, 2-butoxy-	6.65	35.7	T J N
	Unknown	6.76	28.2	T J
111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	7.44	18.1	T J N
541-2-6	Cyclopentasiloxane, decamethyl-	8.28	13.2	T J N

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48119

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48119/2-A	Analysis Batch:	360-48751	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48119	Lab File ID:	B10154.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/10/2009 0047			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48119/3-A	Analysis Batch:	360-48751	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48119	Lab File ID:	B10155.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/10/2009 0121			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	72	70	40 - 140	3	30		
1,2,4,5-Tetrachlorobenzene	60	57	40 - 140	5	30		
1,2,4-Trichlorobenzene	52	47	40 - 140	10	30		
1,2-Dichlorobenzene	50	42	40 - 140	16	30		
1,3-Dichlorobenzene	41	38	40 - 140	8	30		*
1,4-Dichlorobenzene	54	56	40 - 140	2	30		
1-Methylnaphthalene	51	54	40 - 140	6	30		
2,2'-oxybis[1-chloropropane]	49	45	40 - 140	10	30		
2,3,4,6-Tetrachlorophenol	73	71	40 - 140	2	30		
2,4,5-Trichlorophenol	79	85	30 - 130	7	30		
2,4,6-Trichlorophenol	95	85	30 - 130	10	30		
2,4-Dichlorophenol	55	64	30 - 130	15	30		
2,4-Dimethylphenol	57	63	30 - 130	10	30		
2,4-Dinitrophenol	58	56	30 - 130	4	30		
2,4-Dinitrotoluene	82	83	40 - 140	2	30		
2,6-Dinitrotoluene	80	82	40 - 140	3	30		
2-Chloronaphthalene	67	61	40 - 140	9	30		
2-Chlorophenol	50	48	30 - 130	4	30		
2-Methylnaphthalene	49	56	40 - 140	13	30		
2-Methylphenol	48	54	30 - 130	12	30		
2-Nitroaniline	81	83	40 - 140	3	30		
2-Nitrophenol	47	56	30 - 130	16	30		
3 & 4 Methylphenol	52	57	30 - 130	8	30		
3,3'-Dichlorobenzidine	33	33	40 - 140	1	30	*	*
3-Nitroaniline	84	86	40 - 140	2	30		
4,6-Dinitro-2-methylphenol	74	73	30 - 130	2	30		
4-Bromophenyl phenyl ether	72	78	40 - 140	8	30		
4-Chloro-3-methylphenol	60	64	30 - 130	6	30		
4-Chloroaniline	43	49	40 - 140	12	30		
4-Chlorophenyl phenyl ether	78	78	40 - 140	0	30		
4-Nitroaniline	87	89	40 - 140	2	30		
4-Nitrophenol	88	83	30 - 130	7	30		

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48119

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48119/2-A	Analysis Batch:	360-48751	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48119	Lab File ID:	B10154.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/10/2009 0047			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48119/3-A	Analysis Batch:	360-48751	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48119	Lab File ID:	B10155.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/10/2009 0121			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	84	86	40 - 140	2	30		
Acenaphthylene	77	75	40 - 140	2	30		
Acetophenone	52	47	40 - 140	9	30		
Aniline	38	31	40 - 140	20	30	*	*
Anthracene	87	89	40 - 140	3	30		
Atrazine	91	91	40 - 140	0	30		
Azobenzene	77	79	40 - 140	3	30		
Benzaldehyde	83	81	40 - 140	2	30		
Benzo[a]anthracene	99	99	40 - 140	0	30		
Benzo[a]pyrene	101	102	40 - 140	1	30		
Benzo[b]fluoranthene	90	85	40 - 140	5	30		
Benzo[g,h,i]perylene	87	93	40 - 140	7	30		
Benzo[k]fluoranthene	95	92	40 - 140	3	30		
Benzoic acid	27	33	30 - 130	18	30	J *	J
Benzophenone	74	81	40 - 140	8	30		
Benzyl alcohol	53	53	30 - 130	0	30		
Bis(2-chloroethoxy)methane	45	52	40 - 140	15	30		
Bis(2-chloroethyl)ether	34	40	40 - 140	15	30	*	
Bis(2-ethylhexyl) phthalate	93	93	40 - 140	0	30		
Butyl benzyl phthalate	84	85	40 - 140	1	30		
Caprolactam	56	67	40 - 140	17	30		
Carbazole	81	83	40 - 140	2	30		
Chrysene	93	94	40 - 140	1	30		
Dibenz(a,h)anthracene	81	86	40 - 140	6	30		
Dibenzofuran	75	75	40 - 140	1	30		
Diethyl phthalate	79	79	40 - 140	0	30		
Dimethyl phthalate	76	77	40 - 140	1	30		
Di-n-butyl phthalate	74	73	40 - 140	2	30		
Di-n-octyl phthalate	85	82	40 - 140	3	30		
Diphenyl oxide	53	56	40 - 140	6	30		
Fluoranthene	94	96	40 - 140	2	30		
Fluorene	93	90	40 - 140	2	30		

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48119

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48119/2-A	Analysis Batch:	360-48751	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48119	Lab File ID:	B10154.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/10/2009 0047			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48119/3-A	Analysis Batch:	360-48751	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48119	Lab File ID:	B10155.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/10/2009 0121			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hexachlorobenzene	82	81	40 - 140	1	30		
Hexachlorobutadiene	44	47	40 - 140	8	30		
Hexachlorocyclopentadiene	72	62	40 - 140	16	30		
Hexachloroethane	50	40	40 - 140	22	30		
Indeno[1,2,3-cd]pyrene	83	88	40 - 140	6	30		
Isophorone	42	48	40 - 140	14	30		
Naphthalene	55	50	40 - 140	10	30		
Nitrobenzene	45	48	40 - 140	6	30		
N-Nitrosodimethylamine	55	54	40 - 140	1	30		
N-Nitrosodi-n-propylamine	56	50	40 - 140	10	30		
N-Nitrosodiphenylamine	58	61	40 - 140	4	30		
Pentachlorophenol	76	80	30 - 130	4	30		
Phenanthrene	90	85	40 - 140	6	30		
Phenol	60	51	30 - 130	16	30		
Pyrene	76	78	40 - 140	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	71	69	30 - 130
2-Fluorobiphenyl	69	68	30 - 130
2-Fluorophenol	59	57	30 - 130
Nitrobenzene-d5	50	47	30 - 130
Phenol-d5	54	48	30 - 130
Terphenyl-d14	71	70	30 - 130

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48119

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48119/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48119/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/10/2009 0047			Date Analyzed:	09/10/2009 0121
Date Prepared:	08/25/2009 1123			Date Prepared:	08/25/2009 1123

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1'-Biphenyl	333	333	241		232	
1,2,4,5-Tetrachlorobenzene	333	333	200		189	
1,2,4-Trichlorobenzene	333	333	174		157	
1,2-Dichlorobenzene	333	333	165		141	
1,3-Dichlorobenzene	333	333	137		127	*
1,4-Dichlorobenzene	333	333	182		186	
1-Methylnaphthalene	333	333	171		181	
2,2'-oxybis[1-chloropropane]	333	333	164		149	
2,3,4,6-Tetrachlorophenol	333	333	242		236	
2,4,5-Trichlorophenol	333	333	265		285	
2,4,6-Trichlorophenol	333	333	315		285	
2,4-Dichlorophenol	333	333	184		214	
2,4-Dimethylphenol	333	333	189		209	
2,4-Dinitrophenol	333	333	192		185	
2,4-Dinitrotoluene	333	333	274		278	
2,6-Dinitrotoluene	333	333	266		273	
2-Chloronaphthalene	333	333	223		204	
2-Chlorophenol	333	333	166		159	
2-Methylnaphthalene	333	333	165		188	
2-Methylphenol	333	333	159		179	
2-Nitroaniline	333	333	270		278	
2-Nitrophenol	333	333	158		185	
3 & 4 Methylphenol	333	333	173		189	
3,3'-Dichlorobenzidine	333	333	111	*	110	*
3-Nitroaniline	333	333	282		287	
4,6-Dinitro-2-methylphenol	333	333	248		243	
4-Bromophenyl phenyl ether	333	333	241		262	
4-Chloro-3-methylphenol	333	333	201		213	
4-Chloroaniline	333	333	145		163	
4-Chlorophenyl phenyl ether	333	333	260		261	
4-Nitroaniline	333	333	289		295	
4-Nitrophenol	333	333	295		276	
Acenaphthene	333	333	280		285	
Acenaphthylene	333	333	255		250	
Acetophenone	333	333	174		158	
Aniline	333	333	127	*	104	*
Anthracene	333	333	290		298	
Atrazine	333	333	303		303	
Azobenzene	333	333	256		263	

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48119

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48119/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48119/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/10/2009 0047			Date Analyzed:	09/10/2009 0121
Date Prepared:	08/25/2009 1123			Date Prepared:	08/25/2009 1123

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Benzaldehyde	333	333	276		270	
Benzo[a]anthracene	333	333	331		331	
Benzo[a]pyrene	333	333	337		341	
Benzo[b]fluoranthene	333	333	299		285	
Benzo[g,h,i]perylene	333	333	289		309	
Benzo[k]fluoranthene	333	333	316		306	
Benzoic acid	333	333	91.0	J *	109	J
Benzophenone	333	333	248		269	
Benzyl alcohol	333	333	178		178	
Bis(2-chloroethoxy)methane	333	333	149		174	
Bis(2-chloroethyl)ether	333	333	114	*	133	
Bis(2-ethylhexyl) phthalate	333	333	311		310	
Butyl benzyl phthalate	333	333	280		282	
Caprolactam	333	333	187		222	
Carbazole	333	333	271		277	
Chrysene	333	333	310		313	
Dibenz(a,h)anthracene	333	333	270		287	
Dibenzofuran	333	333	249		251	
Diethyl phthalate	333	333	263		262	
Dimethyl phthalate	333	333	254		256	
Di-n-butyl phthalate	333	333	247		243	
Di-n-octyl phthalate	333	333	282		274	
Diphenyl oxide	333	333	176		187	
Fluoranthene	333	333	313		318	
Fluorene	333	333	309		302	
Hexachlorobenzene	333	333	272		269	
Hexachlorobutadiene	333	333	146		158	
Hexachlorocyclopentadiene	333	333	242		206	
Hexachloroethane	333	333	167		134	
Indeno[1,2,3-cd]pyrene	333	333	276		292	
Isophorone	333	333	138		159	
Naphthalene	333	333	184		165	
Nitrobenzene	333	333	150		159	
N-Nitrosodimethylamine	333	333	183		181	
N-Nitrosodi-n-propylamine	333	333	185		167	
N-Nitrosodiphenylamine	333	333	194		202	
Pentachlorophenol	333	333	254		266	
Phenanthrene	333	333	300		282	
Phenol	333	333	199		169	

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48119

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48119/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48119/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/10/2009 0047			Date Analyzed:	09/10/2009 0121
Date Prepared:	08/25/2009 1123			Date Prepared:	08/25/2009 1123

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Pyrene	333	333	254	262

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

Method Blank - Batch: 360-49084

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 360-49084/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2009 1516
Date Prepared: 09/17/2009 0926

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

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 2.0 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	7.00	J	2.5	10
Chromium	ND		0.066	0.50
Cobalt	ND		0.065	0.50
Copper	ND		0.065	1.0
Iron	2.27	J	0.80	5.0
Lead	ND		0.057	0.50
Magnesium	1.80	J	0.50	10
Manganese	ND		0.067	1.0
Nickel	ND		0.065	1.0
Potassium	ND		31	200
Selenium	ND		0.23	0.50
Silver	ND		0.050	0.50
Sodium	ND		13	100
Thallium	ND		0.072	1.0
Vanadium	ND		0.065	1.0
Zinc	ND		0.59	2.5
Tin	0.511	J	0.32	5.0

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

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

Method: 6010B
Preparation: 3050B

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

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

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

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

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

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

Method: 6010B
Preparation: 3050B

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

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

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

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

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
	X	Surrogate exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
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: 360-24194-2
Sdg Number: OCRI-02A

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 360-47986					
LCS 360-47986/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-47986/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-47986/1-A	Method Blank	T	Solid	3546	
360-24194-2	OC-SB-421-10.5/12.5-XXX	T	Solid	3546	
360-24194-2DL	OC-SB-421-10.5/12.5-XXX	T	Solid	3546	
360-24194-2DL2	OC-SB-421-10.5/12.5-XXX	T	Solid	3546	
360-24194-2DL3	OC-SB-421-10.5/12.5-XXX	T	Solid	3546	
Prep Batch: 360-48119					
LCS 360-48119/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-48119/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-48119/1-A	Method Blank	T	Solid	3546	
360-24194-5	OC-SB-424-17/19-XXX	T	Solid	3546	
360-24194-5DL	OC-SB-424-17/19-XXX	T	Solid	3546	
360-24194-8	OC-SB-425-18/20-XXX	T	Solid	3546	
Analysis Batch:360-48213					
LCS 360-47986/2-A	Lab Control Sample	T	Solid	8270C LL	360-47986
LCSD 360-47986/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-47986
MB 360-47986/1-A	Method Blank	T	Solid	8270C LL	360-47986
360-24194-2	OC-SB-421-10.5/12.5-XXX	T	Solid	8270C LL	360-47986
Analysis Batch:360-48389					
360-24194-2DL	OC-SB-421-10.5/12.5-XXX	T	Solid	8270C LL	360-47986
360-24194-2DL2	OC-SB-421-10.5/12.5-XXX	T	Solid	8270C LL	360-47986
360-24194-2DL3	OC-SB-421-10.5/12.5-XXX	T	Solid	8270C LL	360-47986
Analysis Batch:360-48751					
LCS 360-48119/2-A	Lab Control Sample	T	Solid	8270C LL	360-48119
LCSD 360-48119/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-48119
MB 360-48119/1-A	Method Blank	T	Solid	8270C LL	360-48119
360-24194-5	OC-SB-424-17/19-XXX	T	Solid	8270C LL	360-48119
360-24194-5DL	OC-SB-424-17/19-XXX	T	Solid	8270C LL	360-48119
360-24194-8	OC-SB-425-18/20-XXX	T	Solid	8270C LL	360-48119

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24194-2
Sdg Number: OCRI-02A

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-49084					
LCS 360-49084/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 360-49084/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 360-49084/1-A	Method Blank	T	Solid	3050B	
360-24194-2	OC-SB-421-10.5/12.5-XXX	T	Solid	3050B	
360-24194-5	OC-SB-424-17/19-XXX	T	Solid	3050B	
360-24194-8	OC-SB-425-18/20-XXX	T	Solid	3050B	
Analysis Batch:360-49137					
LCS 360-49084/2-A	Lab Control Sample	T	Solid	6010B	360-49084
LCSD 360-49084/3-A	Lab Control Sample Duplicate	T	Solid	6010B	360-49084
MB 360-49084/1-A	Method Blank	T	Solid	6010B	360-49084
360-24194-2	OC-SB-421-10.5/12.5-XXX	T	Solid	6010B	360-49084
360-24194-5	OC-SB-424-17/19-XXX	T	Solid	6010B	360-49084
360-24194-8	OC-SB-425-18/20-XXX	T	Solid	6010B	360-49084

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24194-2
SDG: OCRI-02A

Laboratory Chronicle

Lab ID: 360-24194-2 **Client ID:** OC-SB-421-10.5/12.5-XXX

Sample Date/Time: 08/19/2009 08:05 Received Date/Time: 08/19/2009 17:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24194-A-2-I		360-48213	360-47986	08/20/2009 12:53	1	TAL WFD	BRB
A:8270C LL	360-24194-A-2-I		360-48213	360-47986	08/28/2009 22:37	1	TAL WFD	PJS
P:3546	360-24194-A-2-I	DL	360-48389	360-47986	08/20/2009 12:53	20	TAL WFD	BRB
A:8270C LL	360-24194-A-2-I	DL	360-48389	360-47986	08/31/2009 21:50	20	TAL WFD	PJS
P:3546	360-24194-A-2-I	DL2	360-48389	360-47986	08/20/2009 12:53	100	TAL WFD	BRB
A:8270C LL	360-24194-A-2-I	DL2	360-48389	360-47986	08/31/2009 22:24	100	TAL WFD	PJS
P:3546	360-24194-A-2-I	DL3	360-48389	360-47986	08/20/2009 12:53	1000	TAL WFD	BRB
A:8270C LL	360-24194-A-2-I	DL3	360-48389	360-47986	08/31/2009 22:58	1000	TAL WFD	PJS
P:3050B	360-24194-A-2-H		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	360-24194-A-2-H		360-49137	360-49084	09/17/2009 16:22	1	TAL WFD	EMN

Lab ID: 360-24194-5 **Client ID:** OC-SB-424-17/19-XXX

Sample Date/Time: 08/19/2009 12:35 Received Date/Time: 08/19/2009 17:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24194-A-5-D		360-48751	360-48119	08/25/2009 11:23	1	TAL WFD	CAL
A:8270C LL	360-24194-A-5-D		360-48751	360-48119	09/10/2009 02:28	1	TAL WFD	PJS
P:3546	360-24194-A-5-D	DL	360-48751	360-48119	08/25/2009 11:23	2	TAL WFD	CAL
A:8270C LL	360-24194-A-5-D	DL	360-48751	360-48119	09/10/2009 10:21	2	TAL WFD	PJS
P:3050B	360-24194-A-5-C		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	360-24194-A-5-C		360-49137	360-49084	09/17/2009 16:25	1	TAL WFD	EMN

Lab ID: 360-24194-8 **Client ID:** OC-SB-425-18/20-XXX

Sample Date/Time: 08/19/2009 10:25 Received Date/Time: 08/19/2009 17:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24194-A-8-D		360-48751	360-48119	08/25/2009 11:23	1	TAL WFD	CAL
A:8270C LL	360-24194-A-8-D		360-48751	360-48119	09/10/2009 04:43	1	TAL WFD	PJS
P:3050B	360-24194-A-8-C		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	360-24194-A-8-C		360-49137	360-49084	09/17/2009 16:28	1	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-24194-2
SDG: OCRI-02A

Laboratory Chronicle

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 360-47986/1-A		360-48213	360-47986	08/20/2009 12:53	1	TAL WFD	BRB
A:8270C LL	MB 360-47986/1-A		360-48213	360-47986	08/28/2009 11:52	1	TAL WFD	PJS
P:3546	MB 360-48119/1-A		360-48751	360-48119	08/25/2009 11:23	1	TAL WFD	CAL
A:8270C LL	MB 360-48119/1-A		360-48751	360-48119	09/10/2009 00:13	1	TAL WFD	PJS
P:3050B	MB 360-49084/1-A		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	MB 360-49084/1-A		360-49137	360-49084	09/17/2009 15:16	1	TAL WFD	EMN

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	LCS 360-47986/2-A		360-48213	360-47986	08/20/2009 12:53	1	TAL WFD	BRB
A:8270C LL	LCS 360-47986/2-A		360-48213	360-47986	08/28/2009 12:25	1	TAL WFD	PJS
P:3546	LCS 360-48119/2-A		360-48751	360-48119	08/25/2009 11:23	1	TAL WFD	CAL
A:8270C LL	LCS 360-48119/2-A		360-48751	360-48119	09/10/2009 00:47	1	TAL WFD	PJS
P:3050B	LCS 360-49084/2-A		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	LCS 360-49084/2-A		360-49137	360-49084	09/17/2009 15:19	1	TAL WFD	EMN

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 360-47986/3-A		360-48213	360-47986	08/20/2009 12:53	1	TAL WFD	BRB
A:8270C LL	LCSD 360-47986/3-A		360-48213	360-47986	08/28/2009 12:59	1	TAL WFD	PJS
P:3546	LCSD 360-48119/3-A		360-48751	360-48119	08/25/2009 11:23	1	TAL WFD	CAL
A:8270C LL	LCSD 360-48119/3-A		360-48751	360-48119	09/10/2009 01:21	1	TAL WFD	PJS
P:3050B	LCSD 360-49084/3-A		360-49137	360-49084	09/17/2009 09:26	1	TAL WFD	TFB
A:6010B	LCSD 360-49084/3-A		360-49137	360-49084	09/17/2009 15:22	1	TAL WFD	EMN

Lab References:
TAL WFD = TestAmerica Westfield

Method 8270C Low Level

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

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

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-421-10.5/12.5-XXX	360-24194-2	91	95	65	70	61	219 X
OC-SB-421-10.5/12.5-XXX DL	360-24194-2 DL	0 D X	0 D X	0 D X	0 D X	0 D X	0 D X
OC-SB-421-10.5/12.5-XXX DL2	360-24194-2 DL2	0 D X	0 D X	0 D X	0 D X	0 D X	0 D X
OC-SB-421-10.5/12.5-XXX DL3	360-24194-2 DL3	0 D X	0 D X	0 D X	0 D X	0 D X	0 D X
OC-SB-424-17/19-XXX	360-24194-5	103	98	63	65	78	71
OC-SB-424-17/19-XXX DL	360-24194-5 DL	101	93	76	84	85	104
OC-SB-425-18/20-XXX	360-24194-8	80	79	76	77	87	96
	MB 360-47986/1-A	97	98	70	74	73	76
	MB 360-48119/1-A	91	82	69	69	66	70
	LCS 360-47986/2-A	71	73	80	73	78	67
	LCS 360-48119/2-A	59	54	50	69	71	71
	LCSD 360-47986/3-A	72	74	82	76	80	69
	LCSD 360-48119/3-A	57	48	47	68	69	70

	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.: 360-24194-2

SDG No.: OCRI-02A

Matrix: Solid Level: Low Lab File ID: B9887.D

Lab ID: LCS 360-47986/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	252	76	40-140	
1,2,4,5-Tetrachlorobenzene	333	258	77	40-140	
1,2,4-Trichlorobenzene	333	236	71	40-140	
1,2-Dichlorobenzene	333	219	66	40-140	
1,3-Dichlorobenzene	333	238	71	40-140	
1,4-Dichlorobenzene	333	238	71	40-140	
1-Methylnaphthalene	333	245	74	40-140	
2,2'-oxybis[1-chloropropane]	333	272	81	40-140	
2,3,4,6-Tetrachlorophenol	333	253	76	40-140	
2,4,5-Trichlorophenol	333	307	92	30-130	
2,4,6-Trichlorophenol	333	292	88	30-130	
2,4-Dichlorophenol	333	302	91	30-130	
2,4-Dimethylphenol	333	339	102	30-130	
2,4-Dinitrophenol	333	237	71	30-130	
2,4-Dinitrotoluene	333	307	92	40-140	
2,6-Dinitrotoluene	333	284	85	40-140	
2-Chloronaphthalene	333	220	66	40-140	
2-Chlorophenol	333	260	78	30-130	
2-Methylnaphthalene	333	264	79	40-140	
2-Methylphenol	333	274	82	30-130	
2-Nitroaniline	333	316	95	40-140	
2-Nitrophenol	333	292	88	30-130	
3 & 4 Methylphenol	333	284	85	30-130	
3,3'-Dichlorobenzidine	333	334	100	40-140	
3-Nitroaniline	333	285	86	40-140	
4,6-Dinitro-2-methylphenol	333	298	90	30-130	
4-Bromophenyl phenyl ether	333	278	83	40-140	
4-Chloro-3-methylphenol	333	320	96	30-130	
4-Chloroaniline	333	230	69	40-140	
4-Chlorophenyl phenyl ether	333	291	87	40-140	
4-Nitroaniline	333	345	103	40-140	
4-Nitrophenol	333	329	99	30-130	
Acenaphthene	333	298	90	40-140	
Acenaphthylene	333	276	83	40-140	
Acetophenone	333	251	75	40-140	
Aniline	333	94.2	28	40-140	*
Anthracene	333	325	97	40-140	
Atrazine	333	302	91	40-140	
Azobenzene	333	280	84	40-140	
Benzaldehyde	333	267	80	40-140	
Benzo[a]anthracene	333	351	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.: 360-24194-2

SDG No.: OCRI-02A

Matrix: Solid Level: Low Lab File ID: B9887.D

Lab ID: LCS 360-47986/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzo[a]pyrene	333	324	97	40-140	
Benzo[b]fluoranthene	333	318	95	40-140	
Benzo[g,h,i]perylene	333	336	101	40-140	
Benzo[k]fluoranthene	333	339	102	40-140	
Benzoic acid	333	160 J	48	30-130	
Benzophenone	333	293	88	40-140	
Benzyl alcohol	333	276	83	30-130	
Bis(2-chloroethoxy)methane	333	262	78	40-140	
Bis(2-chloroethyl)ether	333	291	87	40-140	
Bis(2-ethylhexyl) phthalate	333	304	91	40-140	
Butyl benzyl phthalate	333	295	88	40-140	
Caprolactam	333	318	95	40-140	
Carbazole	333	336	101	40-140	
Chrysene	333	327	98	40-140	
Dibenz(a,h)anthracene	333	327	98	40-140	
Dibenzofuran	333	269	81	40-140	
Diethyl phthalate	333	321	96	40-140	
Dimethyl phthalate	333	301	90	40-140	
Di-n-butyl phthalate	333	344	103	40-140	
Di-n-octyl phthalate	333	284	85	40-140	
Diphenyl oxide	333	252	76	40-140	
Fluoranthene	333	326	98	40-140	
Fluorene	333	328	98	40-140	
Hexachlorobenzene	333	276	83	40-140	
Hexachlorobutadiene	333	240	72	40-140	
Hexachlorocyclopentadiene	333	264	79	40-140	
Hexachloroethane	333	229	69	40-140	
Indeno[1,2,3-cd]pyrene	333	321	96	40-140	
Isophorone	333	253	76	40-140	
Naphthalene	333	226	68	40-140	
Nitrobenzene	333	288	86	40-140	
N-Nitrosodimethylamine	333	242	72	40-140	
N-Nitrosodi-n-propylamine	333	278	83	40-140	
N-Nitrosodiphenylamine	333	221	66	40-140	
Pentachlorophenol	333	224	67	30-130	
Phenanthrene	333	287	86	40-140	
Phenol	333	267	80	30-130	
Pyrene	333	275	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.: 360-24194-2

SDG No.: OCRI-02A

Matrix: Solid Level: Low Lab File ID: B10154.D

Lab ID: LCS 360-48119/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	241	72	40-140	
1,2,4,5-Tetrachlorobenzene	333	200	60	40-140	
1,2,4-Trichlorobenzene	333	174	52	40-140	
1,2-Dichlorobenzene	333	165	50	40-140	
1,3-Dichlorobenzene	333	137	41	40-140	
1,4-Dichlorobenzene	333	182	54	40-140	
1-Methylnaphthalene	333	171	51	40-140	
2,2'-oxybis[1-chloropropane]	333	164	49	40-140	
2,3,4,6-Tetrachlorophenol	333	242	73	40-140	
2,4,5-Trichlorophenol	333	265	79	30-130	
2,4,6-Trichlorophenol	333	315	95	30-130	
2,4-Dichlorophenol	333	184	55	30-130	
2,4-Dimethylphenol	333	189	57	30-130	
2,4-Dinitrophenol	333	192	58	30-130	
2,4-Dinitrotoluene	333	274	82	40-140	
2,6-Dinitrotoluene	333	266	80	40-140	
2-Chloronaphthalene	333	223	67	40-140	
2-Chlorophenol	333	166	50	30-130	
2-Methylnaphthalene	333	165	49	40-140	
2-Methylphenol	333	159	48	30-130	
2-Nitroaniline	333	270	81	40-140	
2-Nitrophenol	333	158	47	30-130	
3 & 4 Methylphenol	333	173	52	30-130	
3,3'-Dichlorobenzidine	333	111	33	40-140	*
3-Nitroaniline	333	282	84	40-140	
4,6-Dinitro-2-methylphenol	333	248	74	30-130	
4-Bromophenyl phenyl ether	333	241	72	40-140	
4-Chloro-3-methylphenol	333	201	60	30-130	
4-Chloroaniline	333	145	43	40-140	
4-Chlorophenyl phenyl ether	333	260	78	40-140	
4-Nitroaniline	333	289	87	40-140	
4-Nitrophenol	333	295	88	30-130	
Acenaphthene	333	280	84	40-140	
Acenaphthylene	333	255	77	40-140	
Acetophenone	333	174	52	40-140	
Aniline	333	127	38	40-140	*
Anthracene	333	290	87	40-140	
Atrazine	333	303	91	40-140	
Azobenzene	333	256	77	40-140	
Benzaldehyde	333	276	83	40-140	
Benzo[a]anthracene	333	331	99	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.: 360-24194-2

SDG No.: OCRI-02A

Matrix: Solid Level: Low Lab File ID: B10154.D

Lab ID: LCS 360-48119/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzo[a]pyrene	333	337	101	40-140	
Benzo[b]fluoranthene	333	299	90	40-140	
Benzo[g,h,i]perylene	333	289	87	40-140	
Benzo[k]fluoranthene	333	316	95	40-140	
Benzoic acid	333	91.0 J	27	30-130	*
Benzophenone	333	248	74	40-140	
Benzyl alcohol	333	178	53	30-130	
Bis(2-chloroethoxy)methane	333	149	45	40-140	
Bis(2-chloroethyl)ether	333	114	34	40-140	*
Bis(2-ethylhexyl) phthalate	333	311	93	40-140	
Butyl benzyl phthalate	333	280	84	40-140	
Caprolactam	333	187	56	40-140	
Carbazole	333	271	81	40-140	
Chrysene	333	310	93	40-140	
Dibenz(a,h)anthracene	333	270	81	40-140	
Dibenzofuran	333	249	75	40-140	
Diethyl phthalate	333	263	79	40-140	
Dimethyl phthalate	333	254	76	40-140	
Di-n-butyl phthalate	333	247	74	40-140	
Di-n-octyl phthalate	333	282	85	40-140	
Diphenyl oxide	333	176	53	40-140	
Fluoranthene	333	313	94	40-140	
Fluorene	333	309	93	40-140	
Hexachlorobenzene	333	272	82	40-140	
Hexachlorobutadiene	333	146	44	40-140	
Hexachlorocyclopentadiene	333	242	72	40-140	
Hexachloroethane	333	167	50	40-140	
Indeno[1,2,3-cd]pyrene	333	276	83	40-140	
Isophorone	333	138	42	40-140	
Naphthalene	333	184	55	40-140	
Nitrobenzene	333	150	45	40-140	
N-Nitrosodimethylamine	333	183	55	40-140	
N-Nitrosodi-n-propylamine	333	185	56	40-140	
N-Nitrosodiphenylamine	333	194	58	40-140	
Pentachlorophenol	333	254	76	30-130	
Phenanthrene	333	300	90	40-140	
Phenol	333	199	60	30-130	
Pyrene	333	254	76	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.: 360-24194-2

SDG No.: OCRI-02A

Matrix: Solid Level: Low Lab File ID: B9888.D

Lab ID: LCSD 360-47986/3-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	449	135	56	30	40-140	*
1,2,4,5-Tetrachlorobenzene	333	264	79	2	30	40-140	
1,2,4-Trichlorobenzene	333	234	70	1	30	40-140	
1,2-Dichlorobenzene	333	209	63	5	30	40-140	
1,3-Dichlorobenzene	333	230	69	3	30	40-140	
1,4-Dichlorobenzene	333	229	69	4	30	40-140	
1-Methylnaphthalene	333	467	140	62	30	40-140	*
2,2'-oxybis[1-chloropropane]	333	263	79	3	30	40-140	
2,3,4,6-Tetrachlorophenol	333	532	160	71	30	40-140	*
2,4,5-Trichlorophenol	333	304	91	1	30	30-130	
2,4,6-Trichlorophenol	333	289	87	1	30	30-130	
2,4-Dichlorophenol	333	303	91	0	30	30-130	
2,4-Dimethylphenol	333	331	99	2	30	30-130	
2,4-Dinitrophenol	333	231	69	3	30	30-130	
2,4-Dinitrotoluene	333	302	91	2	30	40-140	
2,6-Dinitrotoluene	333	280	84	1	30	40-140	
2-Chloronaphthalene	333	220	66	0	30	40-140	
2-Chlorophenol	333	253	76	3	30	30-130	
2-Methylnaphthalene	333	265	80	0	30	40-140	
2-Methylphenol	333	224	67	20	30	30-130	
2-Nitroaniline	333	314	94	1	30	40-140	
2-Nitrophenol	333	295	88	1	30	30-130	
3 & 4 Methylphenol	333	292	88	3	30	30-130	
3,3'-Dichlorobenzidine	333	316	95	5	30	40-140	
3-Nitroaniline	333	270	81	5	30	40-140	
4,6-Dinitro-2-methylphenol	333	294	88	1	30	30-130	
4-Bromophenyl phenyl ether	333	275	83	1	30	40-140	
4-Chloro-3-methylphenol	333	322	97	0	30	30-130	
4-Chloroaniline	333	208	62	10	30	40-140	
4-Chlorophenyl phenyl ether	333	286	86	2	30	40-140	
4-Nitroaniline	333	334	100	3	30	40-140	
4-Nitrophenol	333	317	95	4	30	30-130	
Acenaphthene	333	297	89	1	30	40-140	
Acenaphthylene	333	276	83	0	30	40-140	
Acetophenone	333	245	73	3	30	40-140	
Aniline	333	249	75	90	30	40-140	*
Anthracene	333	320	96	1	30	40-140	
Atrazine	333	640	192	72	30	40-140	*
Azobenzene	333	360	108	25	30	40-140	
Benzaldehyde	333	259	78	3	30	40-140	
Benzo[a]anthracene	333	343	103	2	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Matrix: Solid Level: Low Lab File ID: B9888.D

Lab ID: LCSD 360-47986/3-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	322	96	1	30	40-140	
Benzo[b]fluoranthene	333	313	94	1	30	40-140	
Benzo[g,h,i]perylene	333	326	98	3	30	40-140	
Benzo[k]fluoranthene	333	339	102	0	30	40-140	
Benzoic acid	333	159 J	48	0	30	30-130	
Benzophenone	333	492	148	51	30	40-140	*
Benzyl alcohol	333	229	69	18	30	30-130	
Bis(2-chloroethoxy)methane	333	262	79	0	30	40-140	
Bis(2-chloroethyl)ether	333	340	102	16	30	40-140	
Bis(2-ethylhexyl) phthalate	333	301	90	1	30	40-140	
Butyl benzyl phthalate	333	290	87	2	30	40-140	
Caprolactam	333	650	195	68	30	40-140	*
Carbazole	333	333	100	1	30	40-140	
Chrysene	333	312	94	5	30	40-140	
Dibenz(a,h)anthracene	333	320	96	2	30	40-140	
Dibenzofuran	333	266	80	1	30	40-140	
Diethyl phthalate	333	320	96	0	30	40-140	
Dimethyl phthalate	333	299	90	1	30	40-140	
Di-n-butyl phthalate	333	343	103	0	30	40-140	
Di-n-octyl phthalate	333	297	89	5	30	40-140	
Diphenyl oxide	333	512	154	68	30	40-140	*
Fluoranthene	333	322	97	1	30	40-140	
Fluorene	333	325	98	1	30	40-140	
Hexachlorobenzene	333	275	83	0	30	40-140	
Hexachlorobutadiene	333	237	71	1	30	40-140	
Hexachlorocyclopentadiene	333	249	75	6	30	40-140	
Hexachloroethane	333	221	66	3	30	40-140	
Indeno[1,2,3-cd]pyrene	333	316	95	1	30	40-140	
Isophorone	333	248	75	2	30	40-140	
Naphthalene	333	229	69	1	30	40-140	
Nitrobenzene	333	288	86	0	30	40-140	
N-Nitrosodimethylamine	333	232	70	4	30	40-140	
N-Nitrosodi-n-propylamine	333	264	79	5	30	40-140	
N-Nitrosodiphenylamine	333	216	65	3	30	40-140	
Pentachlorophenol	333	230	69	3	30	30-130	
Phenanthrene	333	286	86	0	30	40-140	
Phenol	333	259	78	3	30	30-130	
Pyrene	333	272	82	1	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Matrix: Solid Level: Low Lab File ID: B10155.D

Lab ID: LCSD 360-48119/3-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	232	70	3	30	40-140	
1,2,4,5-Tetrachlorobenzene	333	189	57	5	30	40-140	
1,2,4-Trichlorobenzene	333	157	47	10	30	40-140	
1,2-Dichlorobenzene	333	141	42	16	30	40-140	
1,3-Dichlorobenzene	333	127	38	8	30	40-140	*
1,4-Dichlorobenzene	333	186	56	2	30	40-140	
1-Methylnaphthalene	333	181	54	6	30	40-140	
2,2'-oxybis[1-chloropropane]	333	149	45	10	30	40-140	
2,3,4,6-Tetrachlorophenol	333	236	71	2	30	40-140	
2,4,5-Trichlorophenol	333	285	85	7	30	30-130	
2,4,6-Trichlorophenol	333	285	85	10	30	30-130	
2,4-Dichlorophenol	333	214	64	15	30	30-130	
2,4-Dimethylphenol	333	209	63	10	30	30-130	
2,4-Dinitrophenol	333	185	56	4	30	30-130	
2,4-Dinitrotoluene	333	278	83	2	30	40-140	
2,6-Dinitrotoluene	333	273	82	3	30	40-140	
2-Chloronaphthalene	333	204	61	9	30	40-140	
2-Chlorophenol	333	159	48	4	30	30-130	
2-Methylnaphthalene	333	188	56	13	30	40-140	
2-Methylphenol	333	179	54	12	30	30-130	
2-Nitroaniline	333	278	83	3	30	40-140	
2-Nitrophenol	333	185	56	16	30	30-130	
3 & 4 Methylphenol	333	189	57	8	30	30-130	
3,3'-Dichlorobenzidine	333	110	33	1	30	40-140	*
3-Nitroaniline	333	287	86	2	30	40-140	
4,6-Dinitro-2-methylphenol	333	243	73	2	30	30-130	
4-Bromophenyl phenyl ether	333	262	78	8	30	40-140	
4-Chloro-3-methylphenol	333	213	64	6	30	30-130	
4-Chloroaniline	333	163	49	12	30	40-140	
4-Chlorophenyl phenyl ether	333	261	78	0	30	40-140	
4-Nitroaniline	333	295	89	2	30	40-140	
4-Nitrophenol	333	276	83	7	30	30-130	
Acenaphthene	333	285	86	2	30	40-140	
Acenaphthylene	333	250	75	2	30	40-140	
Acetophenone	333	158	47	9	30	40-140	
Aniline	333	104	31	20	30	40-140	*
Anthracene	333	298	89	3	30	40-140	
Atrazine	333	303	91	0	30	40-140	
Azobenzene	333	263	79	3	30	40-140	
Benzaldehyde	333	270	81	2	30	40-140	
Benzo[a]anthracene	333	331	99	0	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Matrix: Solid Level: Low Lab File ID: B10155.D

Lab ID: LCSD 360-48119/3-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	341	102	1	30	40-140	
Benzo[b]fluoranthene	333	285	85	5	30	40-140	
Benzo[g,h,i]perylene	333	309	93	7	30	40-140	
Benzo[k]fluoranthene	333	306	92	3	30	40-140	
Benzoic acid	333	109 J	33	18	30	30-130	
Benzophenone	333	269	81	8	30	40-140	
Benzyl alcohol	333	178	53	0	30	30-130	
Bis(2-chloroethoxy)methane	333	174	52	15	30	40-140	
Bis(2-chloroethyl)ether	333	133	40	15	30	40-140	
Bis(2-ethylhexyl) phthalate	333	310	93	0	30	40-140	
Butyl benzyl phthalate	333	282	85	1	30	40-140	
Caprolactam	333	222	67	17	30	40-140	
Carbazole	333	277	83	2	30	40-140	
Chrysene	333	313	94	1	30	40-140	
Dibenz(a,h)anthracene	333	287	86	6	30	40-140	
Dibenzofuran	333	251	75	1	30	40-140	
Diethyl phthalate	333	262	79	0	30	40-140	
Dimethyl phthalate	333	256	77	1	30	40-140	
Di-n-butyl phthalate	333	243	73	2	30	40-140	
Di-n-octyl phthalate	333	274	82	3	30	40-140	
Diphenyl oxide	333	187	56	6	30	40-140	
Fluoranthene	333	318	96	2	30	40-140	
Fluorene	333	302	90	2	30	40-140	
Hexachlorobenzene	333	269	81	1	30	40-140	
Hexachlorobutadiene	333	158	47	8	30	40-140	
Hexachlorocyclopentadiene	333	206	62	16	30	40-140	
Hexachloroethane	333	134	40	22	30	40-140	
Indeno[1,2,3-cd]pyrene	333	292	88	6	30	40-140	
Isophorone	333	159	48	14	30	40-140	
Naphthalene	333	165	50	10	30	40-140	
Nitrobenzene	333	159	48	6	30	40-140	
N-Nitrosodimethylamine	333	181	54	1	30	40-140	
N-Nitrosodi-n-propylamine	333	167	50	10	30	40-140	
N-Nitrosodiphenylamine	333	202	61	4	30	40-140	
Pentachlorophenol	333	266	80	4	30	30-130	
Phenanthrene	333	282	85	6	30	40-140	
Phenol	333	169	51	16	30	30-130	
Pyrene	333	262	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.: 360-24194-2

SDG No.: OCRI-02A

Lab File ID: B9886.D Lab Sample ID: MB 360-47986/1-A

Matrix: Solid Date Extracted: 08/20/2009 12:53

Instrument ID: Inst. B Date Analyzed: 08/28/2009 11:52

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-47986/2-A	B9887.D	08/28/2009 12:25
	LCSD 360-47986/3-A	B9888.D	08/28/2009 12:59
OC-SB-421-10.5/12.5-XXX	360-24194-2	B9905.D	08/28/2009 22:37
OC-SB-421-10.5/12.5-XXX DL	360-24194-2 DL	B9922.D	08/31/2009 21:50
OC-SB-421-10.5/12.5-XXX DL2	360-24194-2 DL2	B9923.D	08/31/2009 22:24
OC-SB-421-10.5/12.5-XXX DL3	360-24194-2 DL3	B9924.D	08/31/2009 22:58

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab File ID: B10153.D Lab Sample ID: MB 360-48119/1-A

Matrix: Solid Date Extracted: 08/25/2009 11:23

Instrument ID: Inst. B Date Analyzed: 09/10/2009 00:13

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48119/2-A	B10154.D	09/10/2009 00:47
	LCSD 360-48119/3-A	B10155.D	09/10/2009 01:21
OC-SB-424-17/19-XXX	360-24194-5	B10157.D	09/10/2009 02:28
OC-SB-425-18/20-XXX	360-24194-8	B10161.D	09/10/2009 04:43
OC-SB-424-17/19-XXX DL	360-24194-5 DL	B10171.D	09/10/2009 10:21

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab File ID: B9838.D DFTPP Injection Date: 08/27/2009

Instrument ID: Inst. B DFTPP Injection Time: 08:38

Analysis Batch No.: 48241

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	39.8	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	35.6	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	48.0	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	24.4	
365	Greater than 1.0 % of mass 198	2.6	
441	Present but less than mass 443	8.4	
442	Greater than 40.0 % of mass 198	54.0	
443	17.0 - 23.0 % of mass 442	10.6	(19.6)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 360-48241/2	B9839.D	08/27/2009	09:11
	STD01 360-48241/3	B9840.D	08/27/2009	09:45
	STD025 360-48241/4	B9841.D	08/27/2009	10:19
	STD05 360-48241/5	B9842.D	08/27/2009	10:53
	STD1 360-48241/6	B9843.D	08/27/2009	11:27
	STD25 360-48241/7	B9844.D	08/27/2009	12:01
	STD8 360-48241/8	B9845.D	08/27/2009	12:35
	STD10 360-48241/9	B9846.D	08/27/2009	13:09
	STD20 360-48241/10	B9847.D	08/27/2009	13:43

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab File ID: B9884.D DFTPP Injection Date: 08/28/2009

Instrument ID: Inst. B DFTPP Injection Time: 10:44

Analysis Batch No.: 48213

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	33.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	32.0	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	45.1	
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	7.2	
275	10.0 - 30.0 % of mass 198	28.7	
365	Greater than 1.0 % of mass 198	2.9	
441	Present but less than mass 443	12.3	
442	Greater than 40.0 % of mass 198	78.0	
443	17.0 - 23.0 % of mass 442	15.7	(20.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-48213/2	B9885.D	08/28/2009	11:18
	MB 360-47986/1-A	B9886.D	08/28/2009	11:52
	LCS 360-47986/2-A	B9887.D	08/28/2009	12:25
	LCSD 360-47986/3-A	B9888.D	08/28/2009	12:59
OC-SB-421-10.5/12.5-XXX	360-24194-2	B9905.D	08/28/2009	22:37

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab File ID: B9909.D DFTPP Injection Date: 08/31/2009

Instrument ID: Inst. B DFTPP Injection Time: 14:28

Analysis Batch No.: 48389

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	38.0	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	35.2	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	47.7	
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	6.9	
275	10.0 - 30.0 % of mass 198	24.7	
365	Greater than 1.0 % of mass 198	2.4	
441	Present but less than mass 443	8.4	
442	Greater than 40.0 % of mass 198	53.5	
443	17.0 - 23.0 % of mass 442	10.5	(19.7)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 360-48389/2	B9910.D	08/31/2009	15:03
OC-SB-421-10.5/12.5-XXX DL	360-24194-2 DL	B9922.D	08/31/2009	21:50
OC-SB-421-10.5/12.5-XXX DL2	360-24194-2 DL2	B9923.D	08/31/2009	22:24
OC-SB-421-10.5/12.5-XXX DL3	360-24194-2 DL3	B9924.D	08/31/2009	22:58

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab File ID: B10140.D DFTPP Injection Date: 09/09/2009

Instrument ID: Inst. B DFTPP Injection Time: 16:53

Analysis Batch No.: 48761

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	42.7	
70	Less than 2.0 % of mass 69	0.2	(0.4)1
127	40.0 - 60.0 % of mass 198	53.4	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.3	
275	10.0 - 30.0 % of mass 198	26.2	
365	Greater than 1.0 % of mass 198	3.1	
441	Present but less than mass 443	11.9	
442	Greater than 40.0 % of mass 198	73.1	
443	17.0 - 23.0 % of mass 442	14.5	(19.8)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 360-48761/2	B10141.D	09/09/2009	17:26
	STD01 360-48761/3	B10142.D	09/09/2009	18:00
	STD025 360-48761/4	B10143.D	09/09/2009	18:34
	STD05 360-48761/5	B10144.D	09/09/2009	19:08
	STD1 360-48761/6	B10145.D	09/09/2009	19:42
	STD25 360-48761/7	B10146.D	09/09/2009	20:16
	STD8 360-48761/8	B10147.D	09/09/2009	20:50
	STD10 360-48761/9	B10148.D	09/09/2009	21:24
	STD20 360-48761/10	B10149.D	09/09/2009	21:58

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab File ID: B10151.D DFTPP Injection Date: 09/09/2009

Instrument ID: Inst. B DFTPP Injection Time: 23:05

Analysis Batch No.: 48751

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	39.4	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	39.8	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	50.5	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.2	
275	10.0 - 30.0 % of mass 198	26.6	
365	Greater than 1.0 % of mass 198	3.1	
441	Present but less than mass 443	12.4	
442	Greater than 40.0 % of mass 198	76.3	
443	17.0 - 23.0 % of mass 442	15.4	(20.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-48751/2	B10152.D	09/09/2009	23:39
	MB 360-48119/1-A	B10153.D	09/10/2009	00:13
	LCS 360-48119/2-A	B10154.D	09/10/2009	00:47
	LCSD 360-48119/3-A	B10155.D	09/10/2009	01:21
OC-SB-424-17/19-XXX	360-24194-5	B10157.D	09/10/2009	02:28
OC-SB-425-18/20-XXX	360-24194-8	B10161.D	09/10/2009	04:43
OC-SB-424-17/19-XXX DL	360-24194-5 DL	B10171.D	09/10/2009	10:21

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Sample No.: CCV 360-48213/2 Date Analyzed: 08/28/2009 11:18

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

Lab File ID (Standard): B9885.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		714038	8.59	1496440	9.71	728114	11.23
UPPER LIMIT		1428076	9.09	2992880	10.21	1456228	11.73
LOWER LIMIT		357019	8.09	748220	9.21	364057	10.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-47986/1-A		539525	8.60	1359797	9.71	678169	11.23
LCS 360-47986/2-A		744043	8.61	1497923	9.72	716981	11.23
LCSD 360-47986/3-A		729831	8.61	1426416	9.71	694467	11.23
360-24194-2	OC-SB-421-10.5/12.5-XXX	438035	8.61	1109973	9.72	603232	11.25

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.: 360-24194-2

SDG No.: OCRI-02A

Sample No.: CCV 360-48213/2 Date Analyzed: 08/28/2009 11:18

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

Lab File ID (Standard): B9885.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		1155556	12.56	922008	16.45	500792	19.45
UPPER LIMIT		2311112	13.06	1844016	16.95	1001584	19.95
LOWER LIMIT		577778	12.06	461004	15.95	250396	18.95
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-47986/1-A		1182847	12.56	887716	16.45	516691	19.45
LCS 360-47986/2-A		1198196	12.56	1061701	16.46	664754	19.46
LCSD 360-47986/3-A		1156077	12.56	1023307	16.46	615032	19.45
360-24194-2	OC-SB-421-10.5/12.5-X XX	1016341	12.56	218568*	16.73	326238	19.55

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.: 360-24194-2

SDG No.: OCRI-02A

Sample No.: CCV 360-48389/2 Date Analyzed: 08/31/2009 15:03

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

Lab File ID (Standard): B9910.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		509400	8.56	1075962	9.68	510838	11.20
UPPER LIMIT		1018800	9.06	2151924	10.18	1021676	11.70
LOWER LIMIT		254700	8.06	537981	9.18	255419	10.70
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24194-2 DL	OC-SB-421-10.5/12.5-XXX DL	479095	8.57	1193966	9.69	625235	11.21
360-24194-2 DL2	OC-SB-421-10.5/12.5-XXX DL2	479835	8.57	1177887	9.69	616796	11.21
360-24194-2 DL3	OC-SB-421-10.5/12.5-XXX DL3	366955	8.56	882741	9.69	452244	11.21

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.: 360-24194-2

SDG No.: OCRI-02A

Sample No.: CCV 360-48389/2 Date Analyzed: 08/31/2009 15:03

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

Lab File ID (Standard): B9910.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		817228	12.53	677505	16.41	497767	19.39
UPPER LIMIT		1634456	13.03	1355010	16.91	995534	19.89
LOWER LIMIT		408614	12.03	338753	15.91	248884	18.89
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24194-2 DL	OC-SB-421-10.5/12.5-XXX DL	1009214	12.53	781088	16.42	483157	19.40
360-24194-2 DL2	OC-SB-421-10.5/12.5-XXX DL2	970448	12.53	718953	16.41	427050	19.40
360-24194-2 DL3	OC-SB-421-10.5/12.5-XXX DL3	740105	12.53	533330	16.41	319232	19.39

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

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

Column used to flag values outside QC limits

FORM VIII 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Sample No.: CCV 360-48751/2 Date Analyzed: 09/09/2009 23:39

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

Lab File ID (Standard): B10152.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		729739	7.58	1485282	8.71	652083	10.22
UPPER LIMIT		1459478	8.08	2970564	9.21	1304166	10.72
LOWER LIMIT		364870	7.08	742641	8.21	326042	9.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-48119/1-A		651374	7.57	1582717	8.71	770019	10.22
LCS 360-48119/2-A		1094987	7.57	2298267	8.71	771835	10.22
LCSD 360-48119/3-A		1092541	7.58	2284685	8.71	812370	10.22
360-24194-5	OC-SB-424-17/19-XXX	498743	7.58	1330097	8.71	739321	10.22
360-24194-8	OC-SB-425-18/20-XXX	467922	7.58	929523	8.71	514313	10.22
360-24194-5 DL	OC-SB-424-17/19-XXX DL	473043	7.58	1127801	8.71	542099	10.22

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.: 360-24194-2

SDG No.: OCRI-02A

Sample No.: CCV 360-48751/2 Date Analyzed: 09/09/2009 23:39

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

Lab File ID (Standard): B10152.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		1082893	11.46	833265	14.77	568914	17.19
UPPER LIMIT		2165786	11.96	1666530	15.27	1137828	17.69
LOWER LIMIT		541447	10.96	416633	14.27	284457	16.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-48119/1-A		1312921	11.46	1100934	14.76	804945	17.18
LCS 360-48119/2-A		1368043	11.47	1191159	14.77	824757	17.19
LCSD 360-48119/3-A		1370213	11.46	1163001	14.77	801242	17.18
360-24194-5	OC-SB-424-17/19-XXX	1282192	11.46	1122703	14.77	909816	17.19
360-24194-8	OC-SB-425-18/20-XXX	918560	11.46	711468	14.76	447481	17.19
360-24194-5 DL	OC-SB-424-17/19-XXX DL	894316	11.46	581364	14.77	302002	17.20

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.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-421-10.5/12.5-XXX | Lab Sample ID: 360-24194-2

Matrix: Solid | Lab File ID: B9905.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 08:05

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.61(g) | Date Analyzed: 08/28/2009 22:37

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

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

% Moisture: 9.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48213 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	58	*	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	35	J	36	6.3
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	4.6
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	6.4
98-86-2	Acetophenone	8.5	J B	36	3.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-421-10.5/12.5-XXX | Lab Sample ID: 360-24194-2

Matrix: Solid | Lab File ID: B9905.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 08:05

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.61(g) | Date Analyzed: 08/28/2009 22:37

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

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

% Moisture: 9.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48213 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	ND		36	6.9
50-32-8	Benzo[a]pyrene	ND		36	6.6
205-99-2	Benzo[b]fluoranthene	ND		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	3.5	J *	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
85-68-7	Butyl benzyl phthalate	ND		36	7.9
105-60-2	Caprolactam	ND	*	36	11
86-74-8	Carbazole	ND		36	36
218-01-9	Chrysene	ND		36	7.8
53-70-3	Dibenz(a,h)anthracene	ND		36	7.3
132-64-9	Dibenzofuran	38		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	590	B	36	11
117-84-0	Di-n-octyl phthalate	ND		36	10
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
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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-421-10.5/12.5-XXX | Lab Sample ID: 360-24194-2

Matrix: Solid | Lab File ID: B9905.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 08:05

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.61(g) | Date Analyzed: 08/28/2009 22:37

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

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

% Moisture: 9.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48213 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	670		36	7.2
87-86-5	Pentachlorophenol	ND		36	7.4
85-01-8	Phenanthrene	ND		43	41
108-95-2	Phenol	210		36	4.5
129-00-0	Pyrene	15	J	36	9.5

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	61	30-130	
321-60-8	2-Fluorobiphenyl	70	30-130	
367-12-4	2-Fluorophenol	91	30-130	
4165-60-0	Nitrobenzene-d5	65	30-130	
4165-62-2	Phenol-d5	95	30-130	
1718-51-0	Terphenyl-d14	219	30-130	X

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

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-421-10.5/12.5-XXX | Lab Sample ID: 360-24194-2

Matrix: Solid | Lab File ID: B9905.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 08:05

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.61(g) | Date Analyzed: 08/28/2009 22:37

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

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

% Moisture: 9.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48213 | Units: ug/Kg

Number TICs Found: 6 | TIC Result Total: 2097

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.17	880	T J
	Unknown	10.36	410	T J
84-69-5	1,2-Benzenedicarboxylic acid, bis(2-meth	14.47	680	T J N
	Unknown	15.09	32	T J
	Unknown	15.14	70	T J
	Unknown	17.15	25	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Lims ID:	360-24194-A-2-A	Client ID:	OC-SB-421-10.5/12.5-XXX
Inject. Date:	28-Aug-2009 22:37:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24194-A-2-A		
Misc. Info.:	360-0000975-036		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	68
Lims Batch ID:	48213	Lims Sample ID:	36
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\8270B.m		
Last Update:	08-Sep-2009 16:47:52	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	31-Aug-2009 13:38:15
Reviewed By:	sullivanp	Date:	31-Aug-2009 13:48:00
Reviewed By:	sullivanp	Date:	08-Sep-2009 16:48:11
Reviewed By:	sullivanp	Date:	13-Oct-2009 15:55:35

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.606	8.592	0.014	438035	2.00	
* 2 Naphthalene-d8	136	9.717	9.712	0.005	1109973	2.00	
* 3 Acenaphthene-d10	164	11.251	11.232	0.019	603232	2.00	
* 4 Phenanthrene-d10	188	12.564	12.559	0.005	1016341	2.00	
* 5 Chrysene-d12	240	16.733	16.454	0.279	218568	2.00	sM
* 6 Perylene-d12	264	19.546	19.450	0.096	326238	2.00	
$ 7 2-Fluorophenol	112	7.433	7.380	0.053	1127505	9.12	
$ 8 Phenol-d5	99	8.231	8.202	0.029	1443064	9.47	
$ 9 Nitrobenzene-d5	82	9.082	9.077	0.005	565614	3.25	
$ 10 2-Fluorobiphenyl	172	10.631	10.607	0.025	1408418	3.49	
$ 11 2,4,6-Tribromophenol	330	11.920	11.910	0.010	229360	6.06	
$ 12 Terphenyl-d14	244	14.564	14.545	0.019	1046004	10.9	
18 Phenol	94	8.241	8.217	0.024	968846	5.77	
30 Acetophenone	105	8.933	8.923	0.010	43813	0.2368	
35 2,4-Dimethylphenol	107	9.284	9.342	-0.058	127060	0.9812	M
41 Naphthalene	128	9.736	9.731	0.005	719991	1.35	
47 1-Methylnaphthalene	142	10.419	10.414	0.005	526000	1.61	
52 1,1'-Biphenyl	154	10.751	10.707	0.044	35061106	78.6	5
54 Phenyl ether	170	10.804	10.784	0.020	39472591	179.1	5M
64 Dibenzofuran	168	11.419	11.405	0.014	500813	1.06	M
66 Diethyl phthalate	149	11.506	11.501	0.005	7051	0.0205	
72 N-Nitrosodiphenylamine	169	11.761	11.751	0.010	6382428	18.7	
71 Diphenylamine	169	11.761	11.751	0.010	6382428	18.7	
13 Benzophenone	105	11.814	11.809	0.005	36717	0.0963	
80 Phenanthrene	178	12.593	12.588	0.005	100202	0.1756	
81 Anthracene	178	12.641	12.636	0.005	21444	0.0405	
84 Di-n-butyl phthalate	149	13.001	12.992	0.009	8700103	16.3	
87 Fluoranthene	202	14.050	14.030	0.020	90101	0.1814	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	14.435	14.420	0.015	67352	0.4121	
92 Bis(2-ethylhexyl) phthalate	149	16.305	16.252	0.053	23451490	249.5	5

QC Flag Legend

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

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Lims ID:	360-24194-A-2-A	Client ID:	OC-SB-421-10.5/12.5-XXX
Inject. Date:	28-Aug-2009 22:37:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24194-A-2-A		
Misc. Info.:	360-0000975-036		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	68
Lims Batch ID:	48213	Lims Sample ID:	36
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\8270B.m		
Last Update:	08-Sep-2009 16:47:52	Calib Date:	27-Aug-2009 13:43:30
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:	31-Aug-2009 13:38:15
Reviewed By:	sullivanp	Date:	31-Aug-2009 13:48:00
Reviewed By:	sullivanp	Date:	08-Sep-2009 16:48:11
Reviewed By:	sullivanp	Date:	13-Oct-2009 15:55:35

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Alpha-Terpineol	9.727	16959	0.1336	
1,2-Diphenylhydrazine	11.809	27730	0.0472	
Benzidine	14.170	106	0.6788	
Pentachloronitrobenzene	12.362	121	0.2266	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
7.168	61149155	24.5	1			
	Unknown					
10.361	18427519	11.3	2			
84-69-5	1,2-Benzenedicarboxylic acid, bis(2-meth					
14.473	29508574	18.8	4	87	66775	
	Unknown					
15.093	24133521	0.9033	5			
	Unknown					
15.137	51832213	1.94	5			
	Unknown					
17.147	18754686	0.7020	5			

Report Date: 13-Oct-2009 15:55:37 Chrom Revision: 1.1 01-Oct-2009 08:19:20
Data File: \\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D
Quantitation Compounds

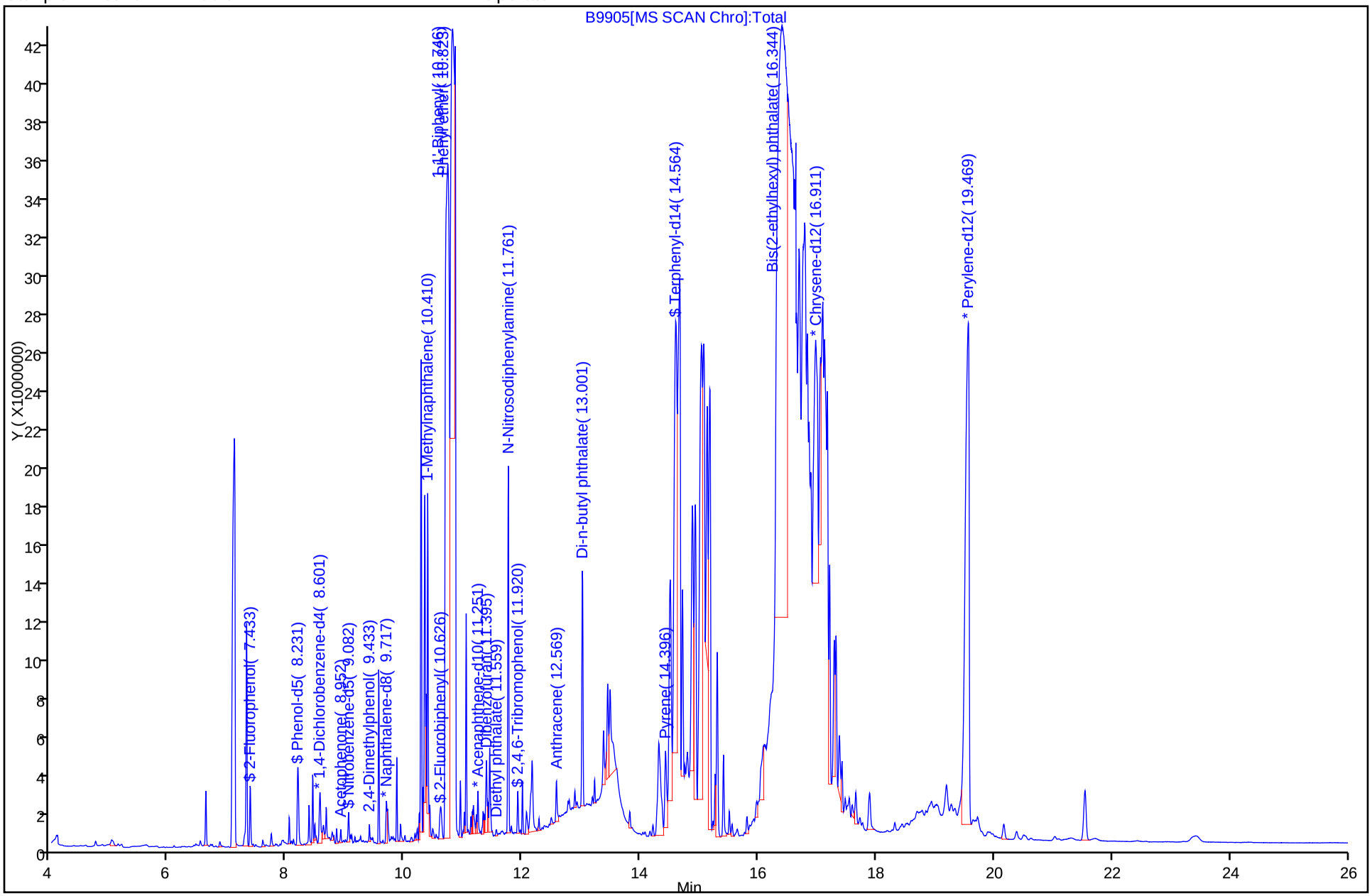
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	8.601	4999144	2.00
* 2 Naphthalene-d8	9.717	3247804	2.00
* 4 Phenanthrene-d10	12.569	3139195	2.00
* 5 Chrysene-d12	16.911	53431887	2.00

QC Flag Legend

Processing Flags

Report Date: 13-Oct-2009 15:55:37 Chrom Revision: 1.1 01-Oct-2009 08:19:20

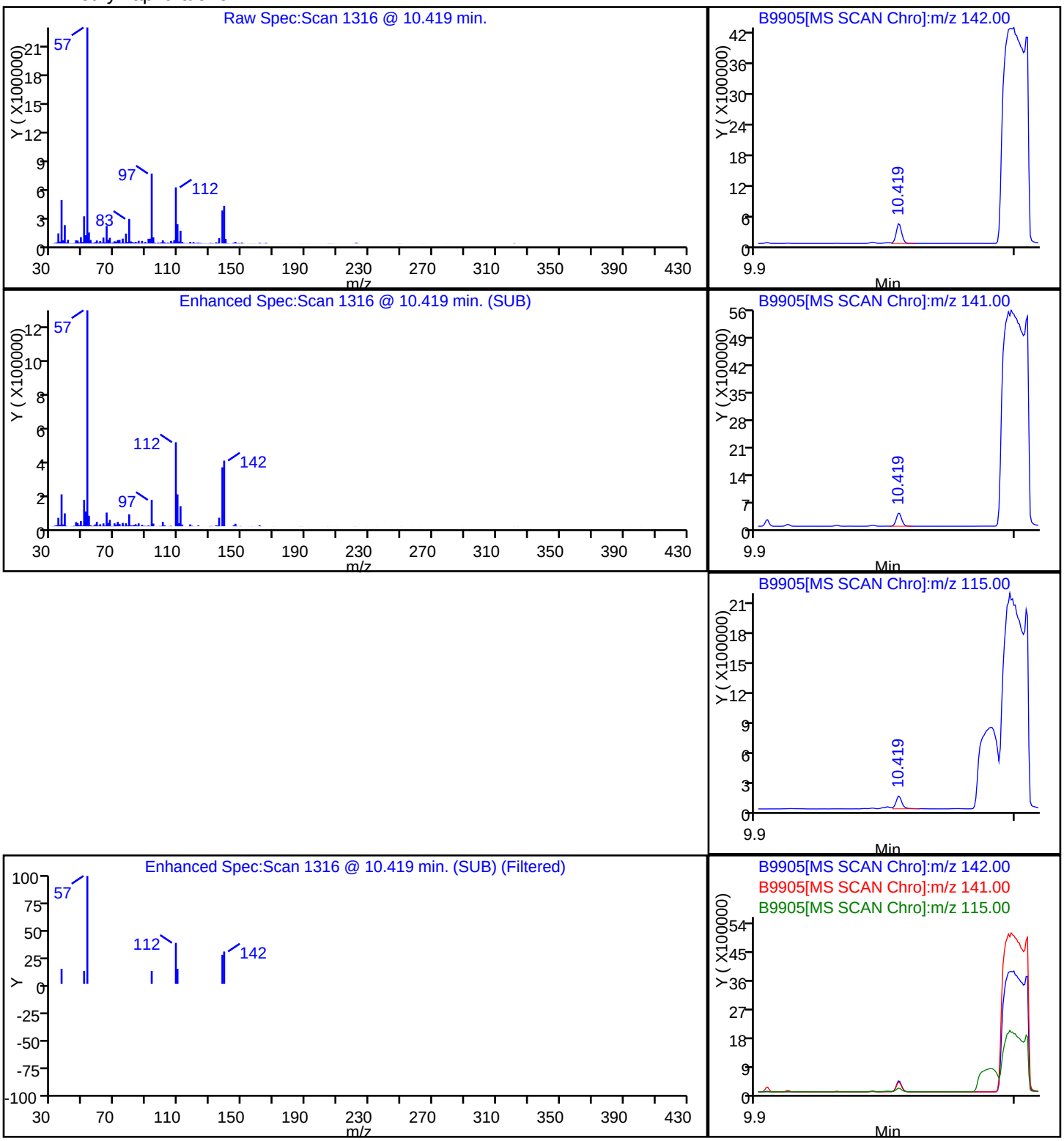
Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ



Report Date: 13-Oct-2009 15:55:39 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

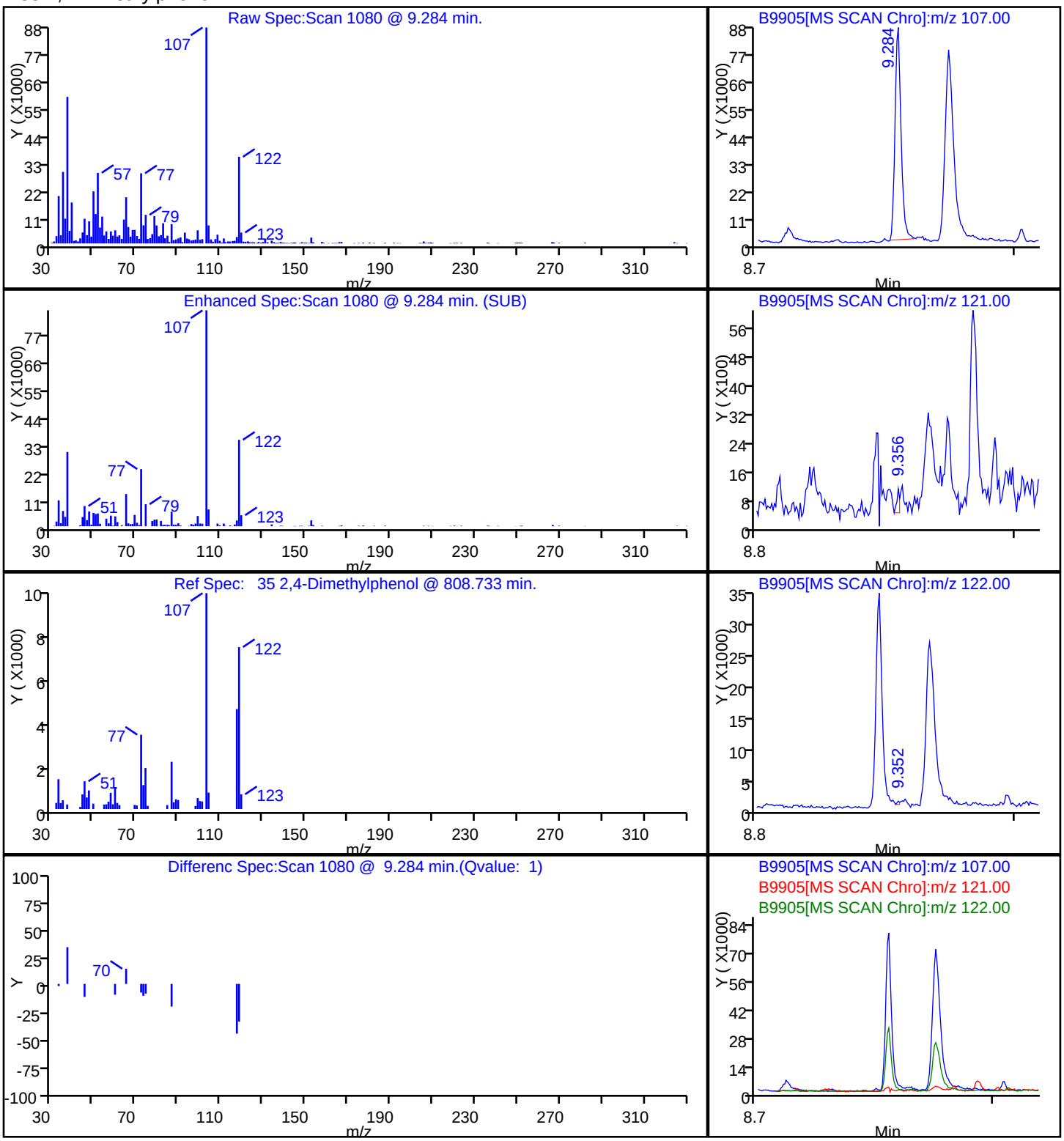
47 1-Methylnaphthalene



Report Date: 13-Oct-2009 15:55:39 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

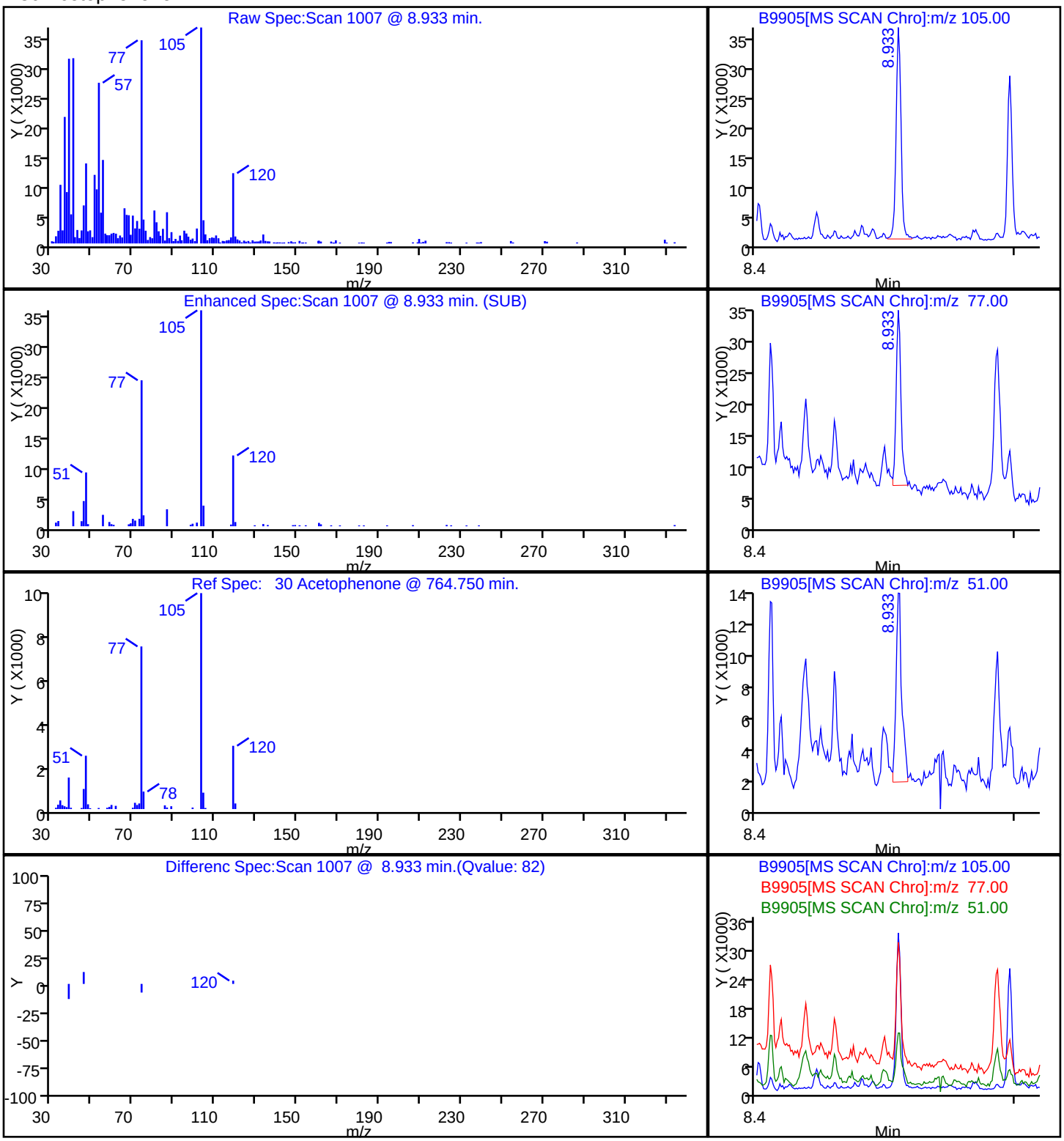
35 2,4-Dimethylphenol



Report Date: 13-Oct-2009 15:55:38 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

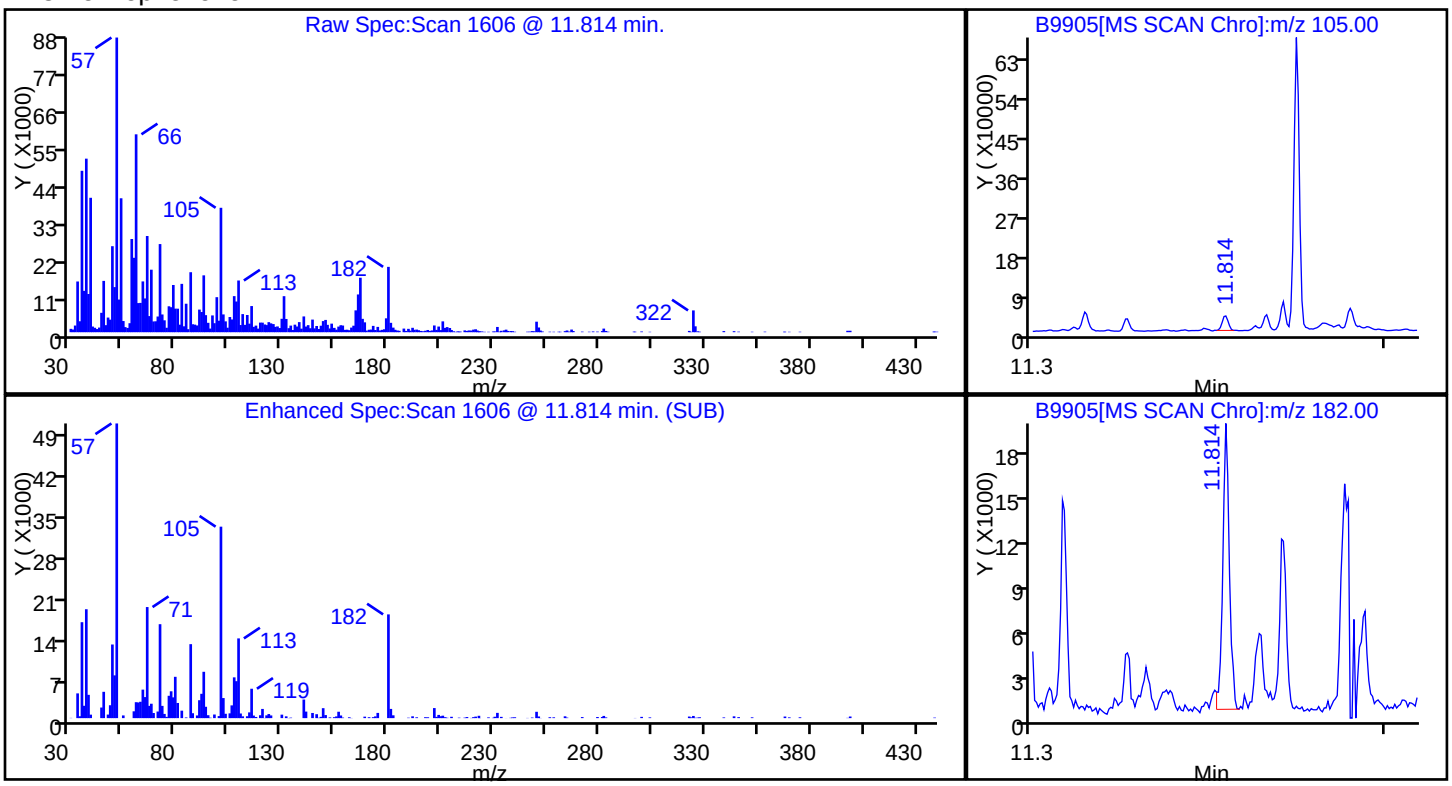
30 Acetophenone

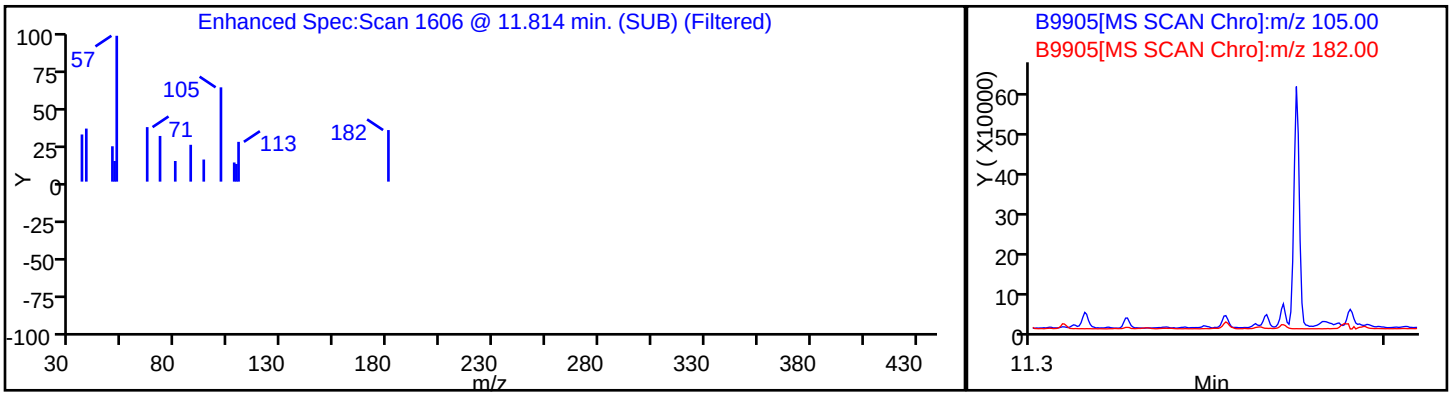


Report Date: 13-Oct-2009 15:55:41 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

13 Benzophenone

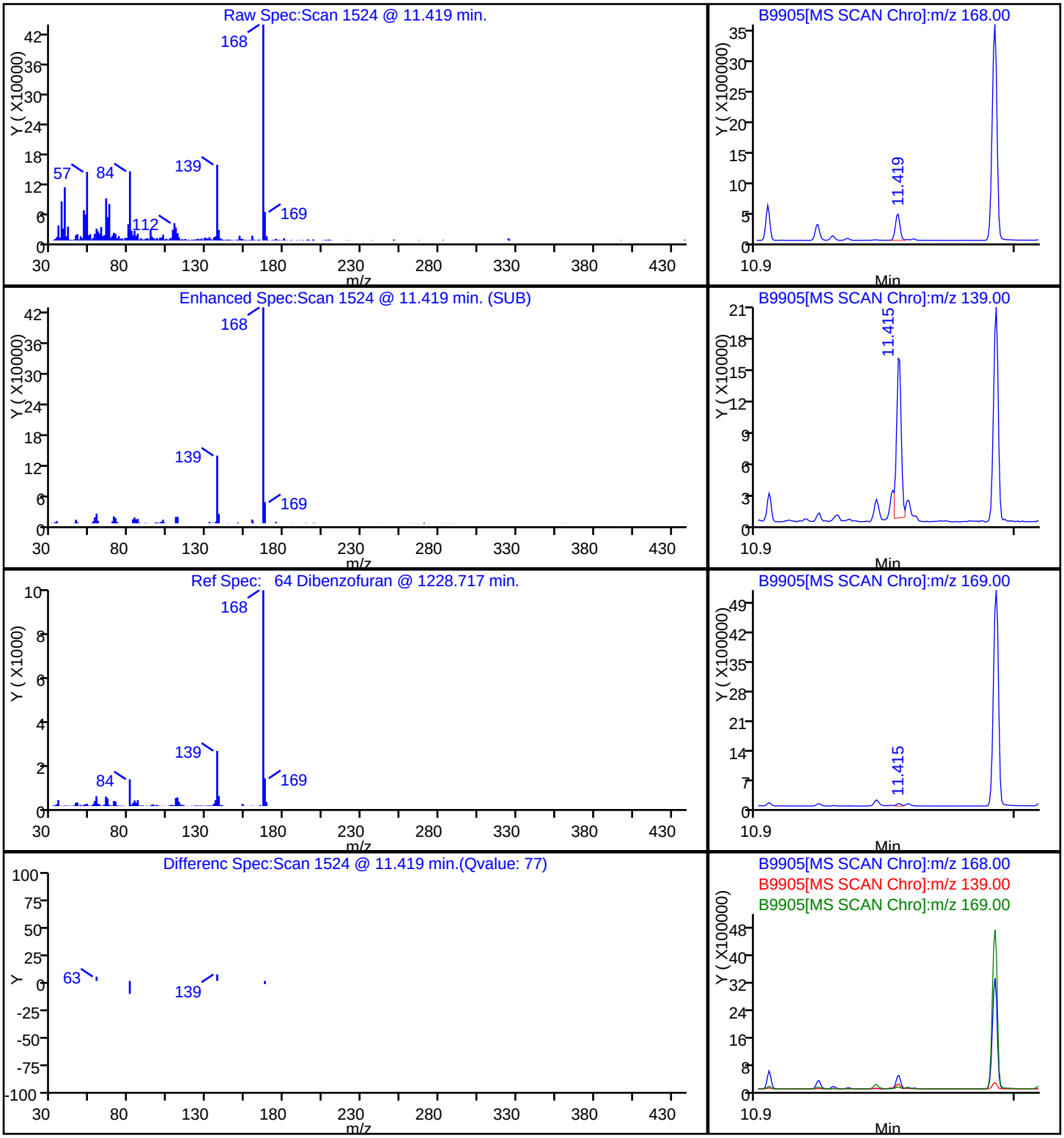




Report Date: 13-Oct-2009 15:55:40 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

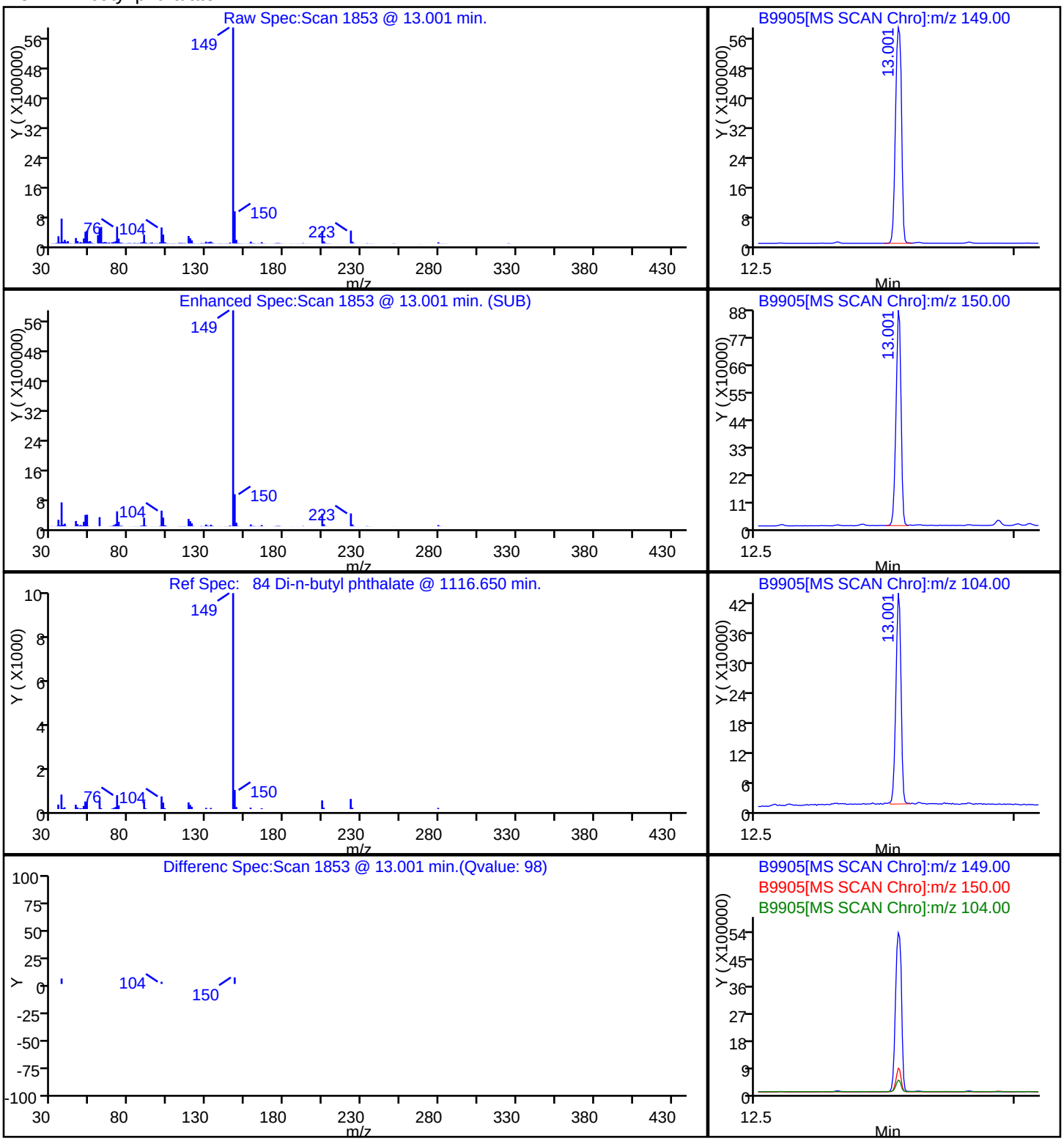
64 Dibenzofuran



Report Date: 13-Oct-2009 15:55:41 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

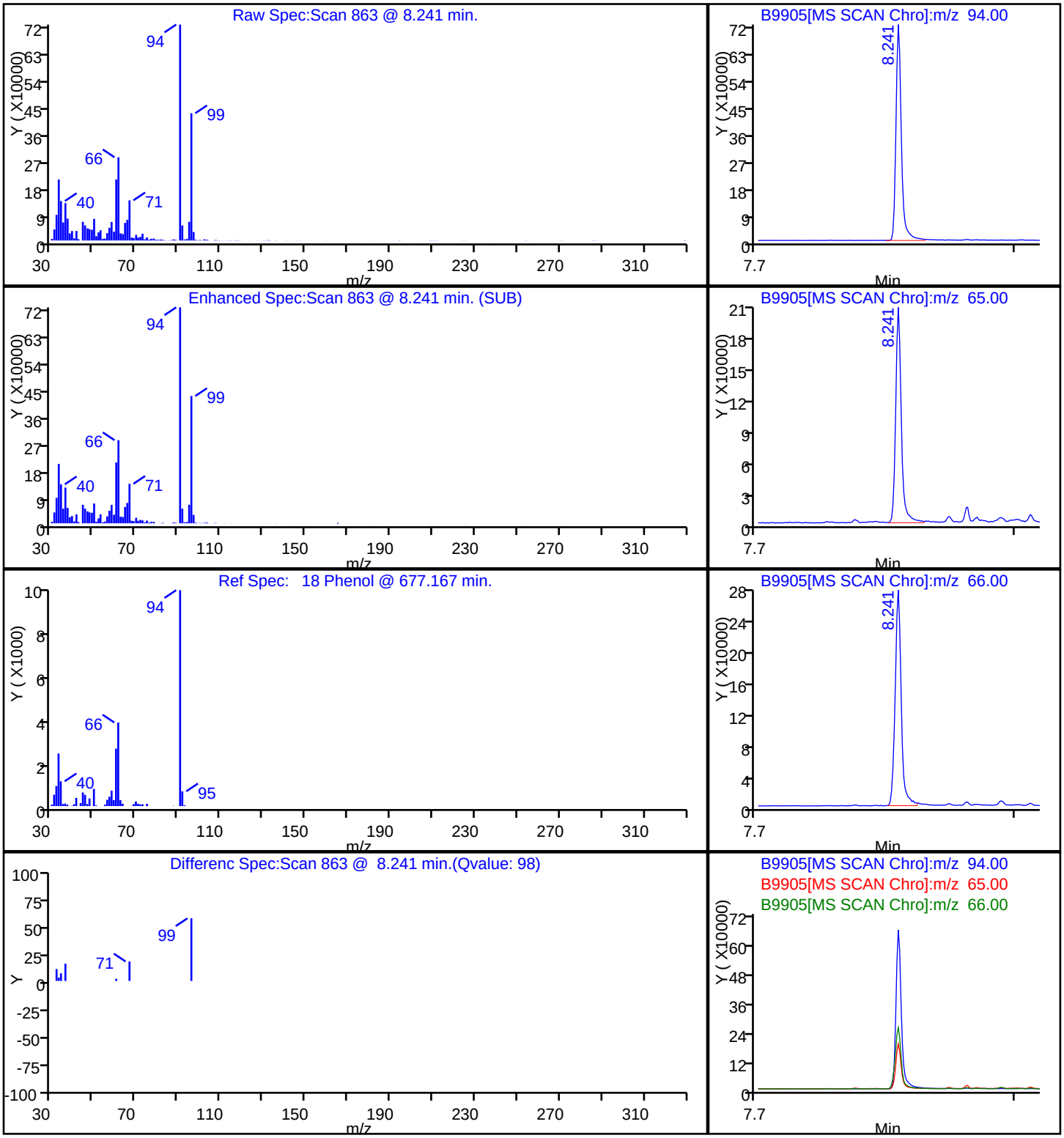
84 Di-n-butyl phthalate



Report Date: 13-Oct-2009 15:55:38 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

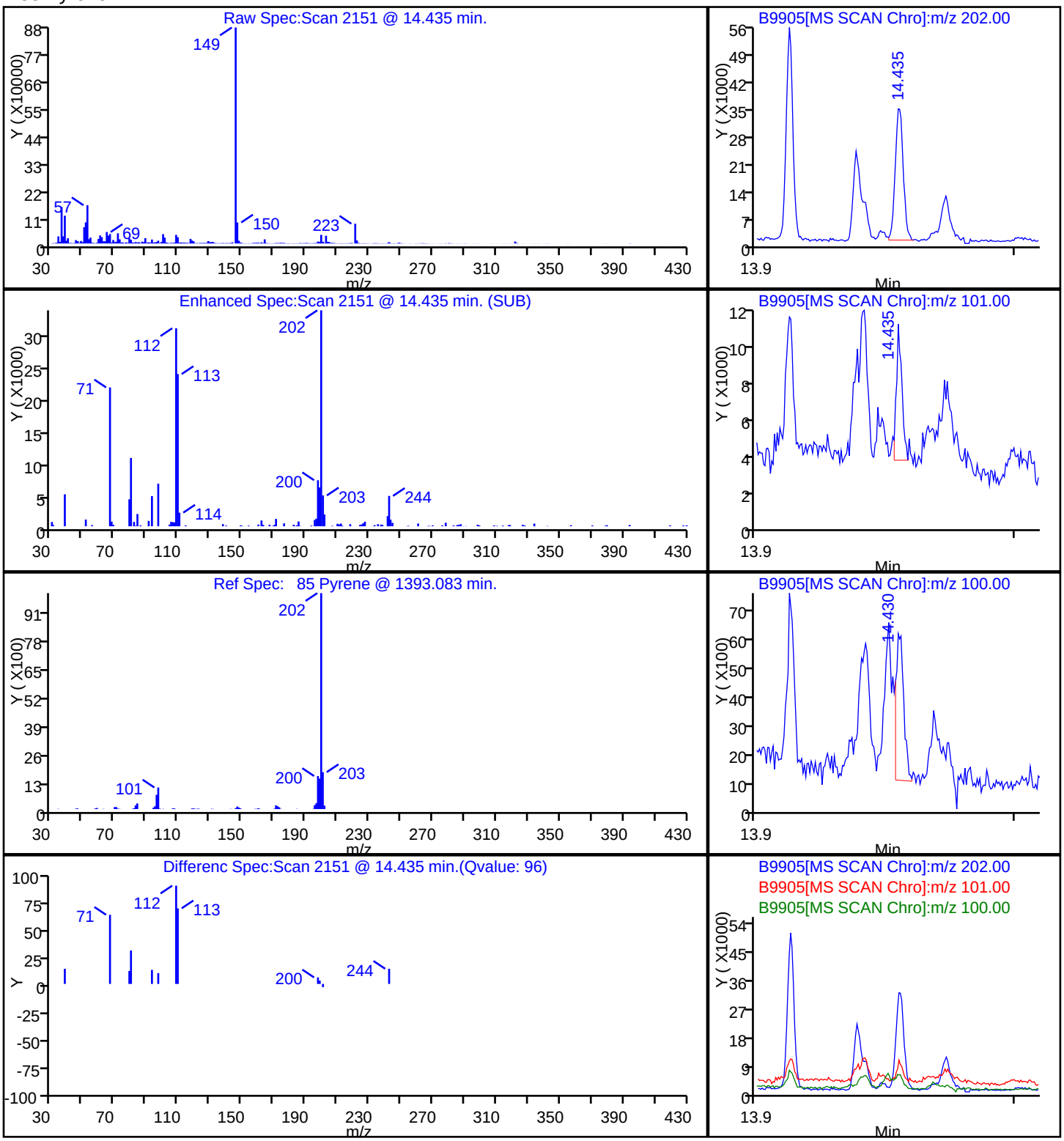
18 Phenol



Report Date: 13-Oct-2009 15:55:42 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

85 Pyrene



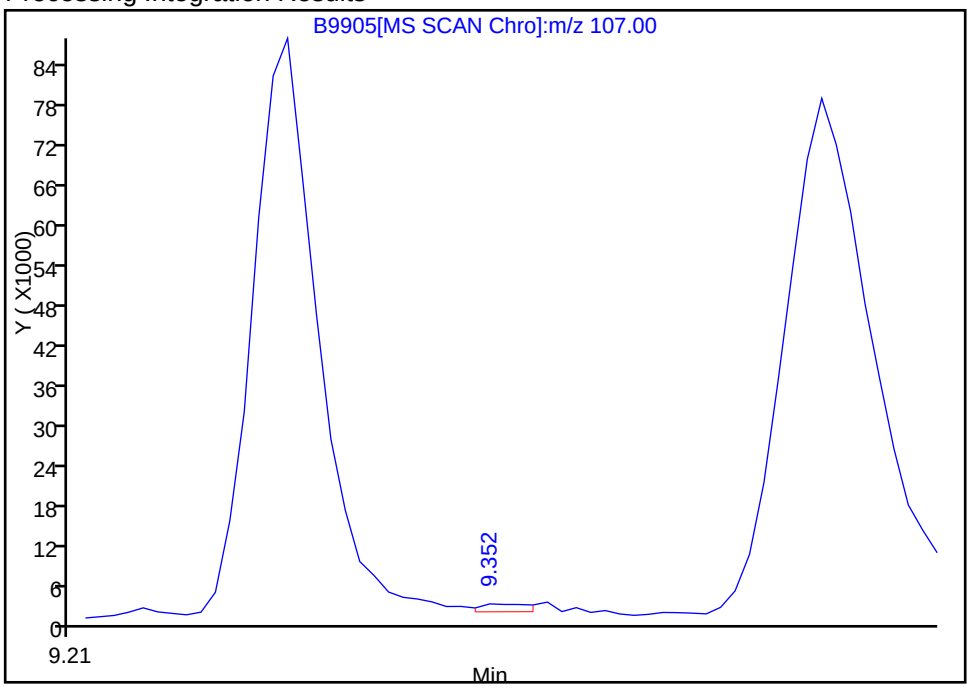
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

35 2,4-Dimethylphenol, Number: 1, m/z: 107 Type: quant, RT: 9.34

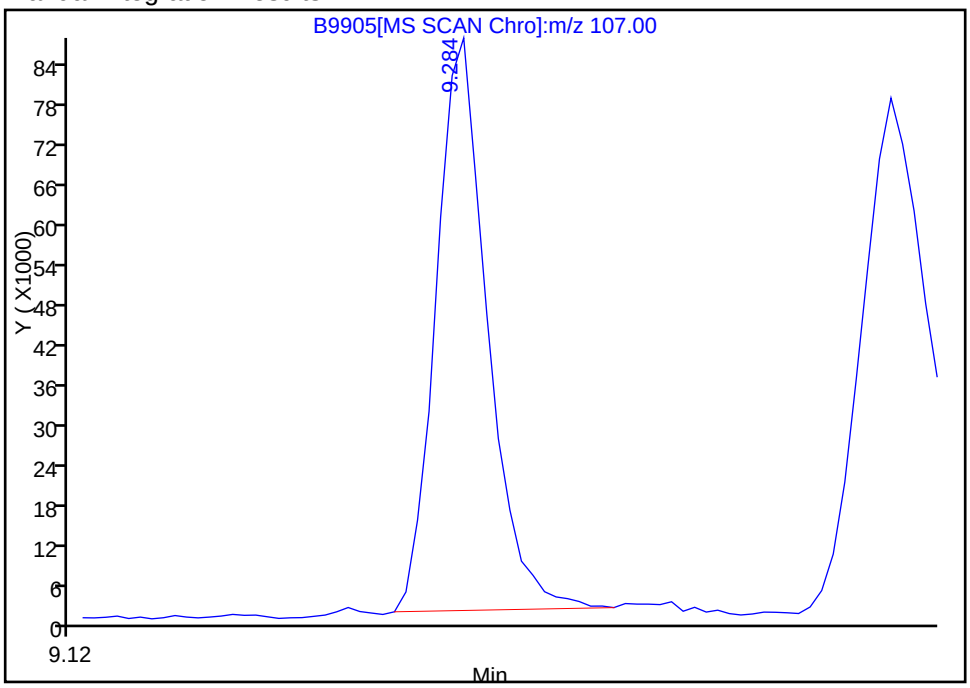
Processing Integration Results

RT: 9.35
Response: 1428
Amount: 0.011028



Manual Integration Results

RT: 9.28
Response: 127060
Amount: 0.981246



Reviewer: sullivanp, 31-Aug-2009 13:48:00
Audit Action: Manually Integrated
Audit Reason: Retention Time Shift

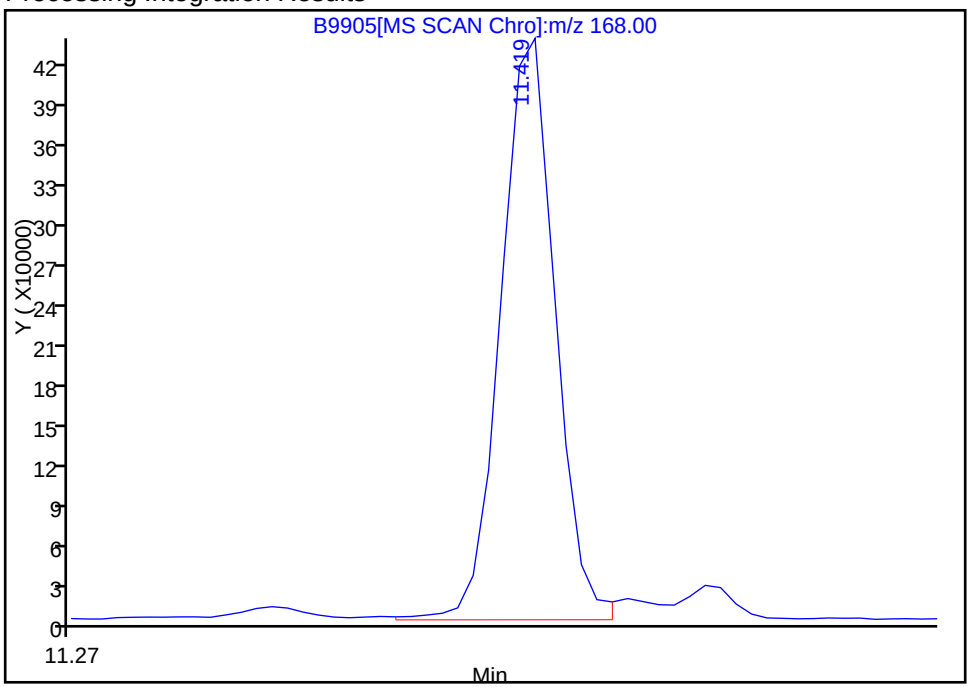
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

64 Dibenzofuran, Number: 1, m/z: 168 Type: quant, RT: 11.40

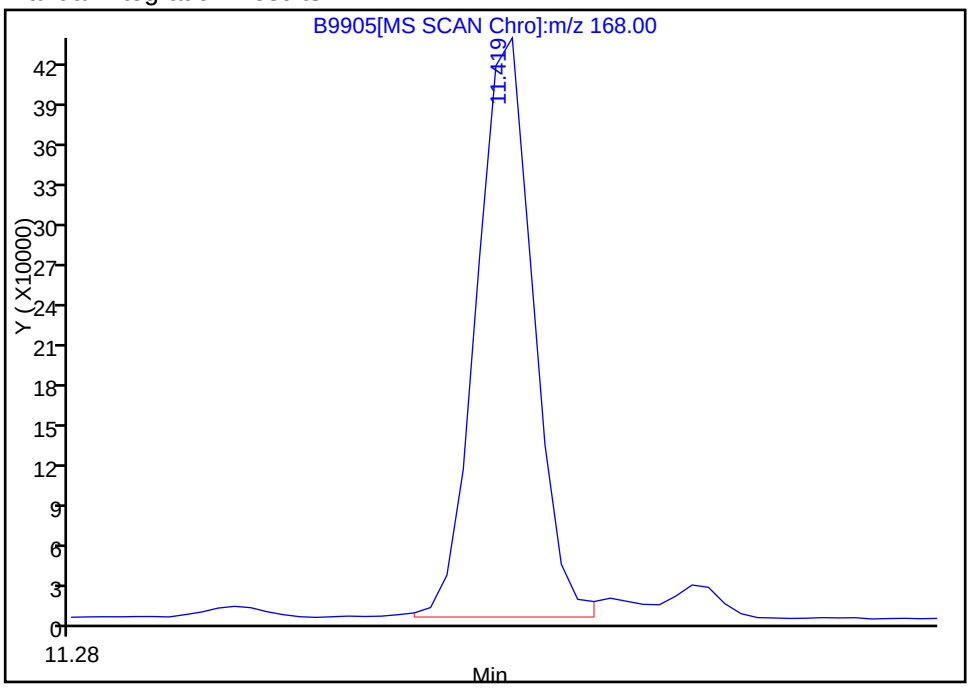
Processing Integration Results

RT: 11.42
Response: 509589
Amount: 1.076626



Manual Integration Results

RT: 11.42
Response: 500813
Amount: 1.058085

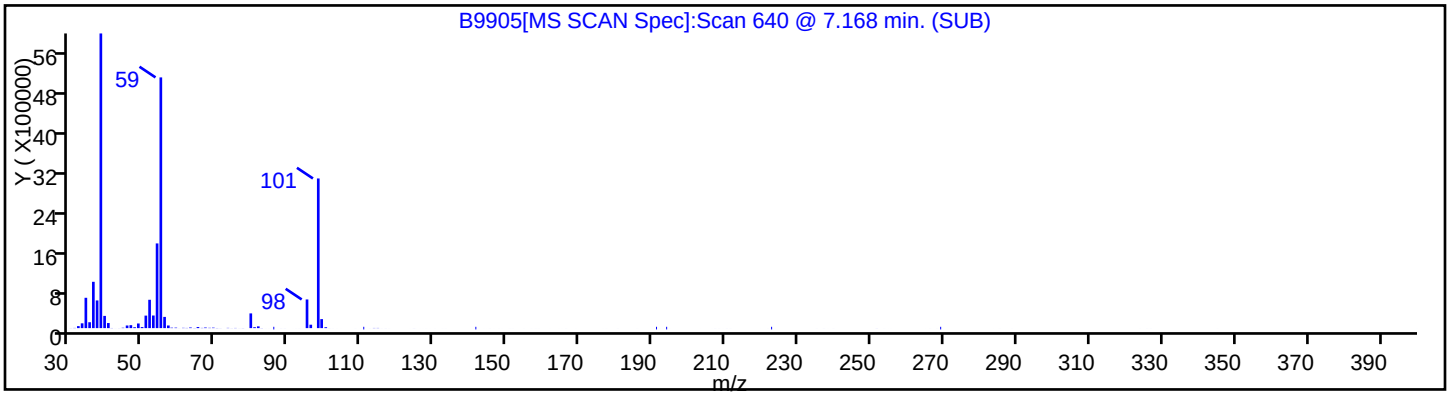


Reviewer: sullivanp, 31-Aug-2009 13:48:00
Audit Action: Manually Integrated
Audit Reason: Analyst error

Report Date: 13-Oct-2009 15:55:44 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

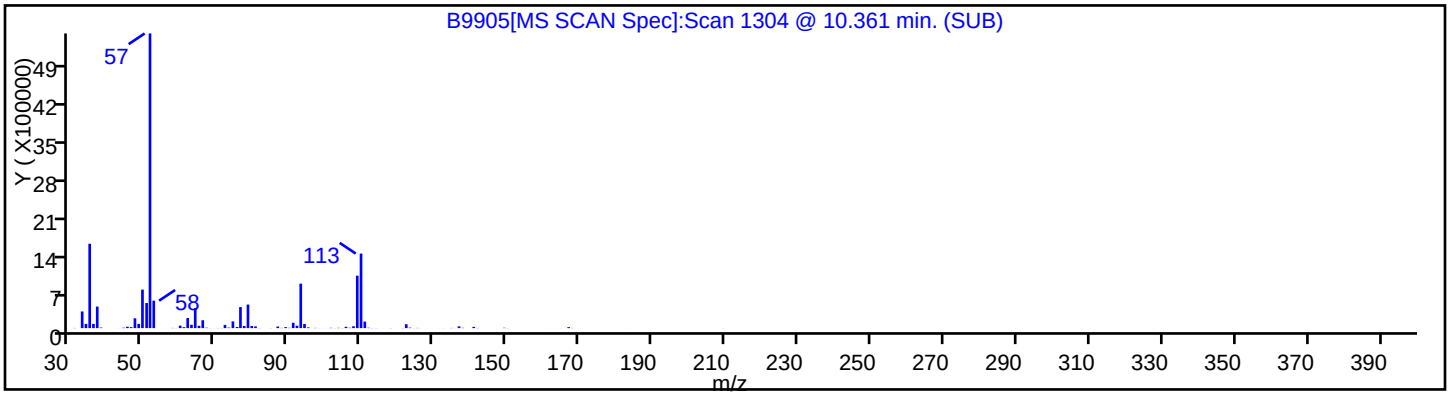
No Library Matches Found above the Threshold: 50



Report Date: 13-Oct-2009 15:55:44 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

No Library Matches Found above the Threshold: 50



Report Date: 13-Oct-2009 15:55:44 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D

Inj Date: 28-Aug-2009 22:37:30 Limit Group: SMS - 8270LL SVOA Calibration

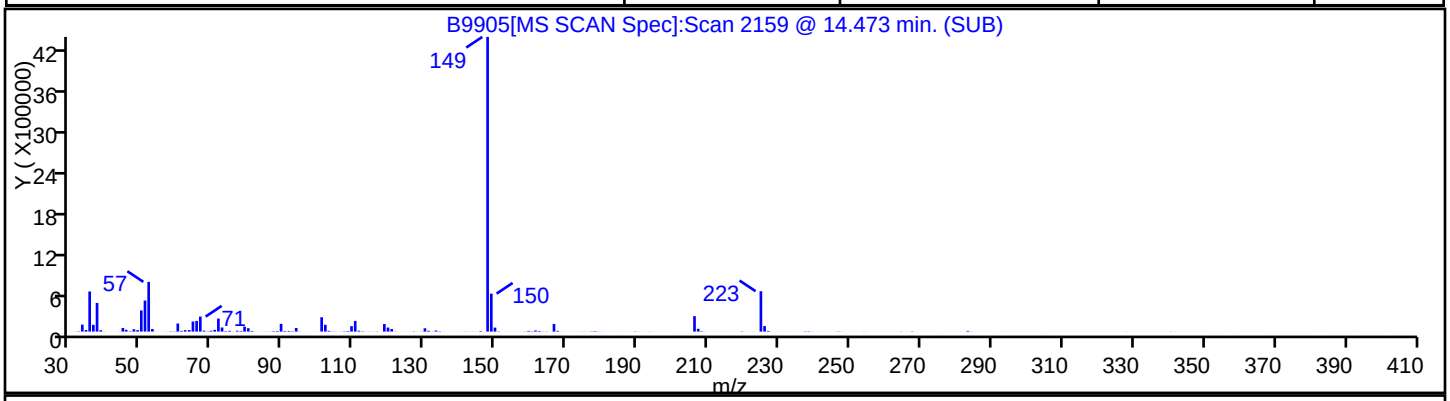
Lims Batch ID: 48213 Lims Sample ID: 36

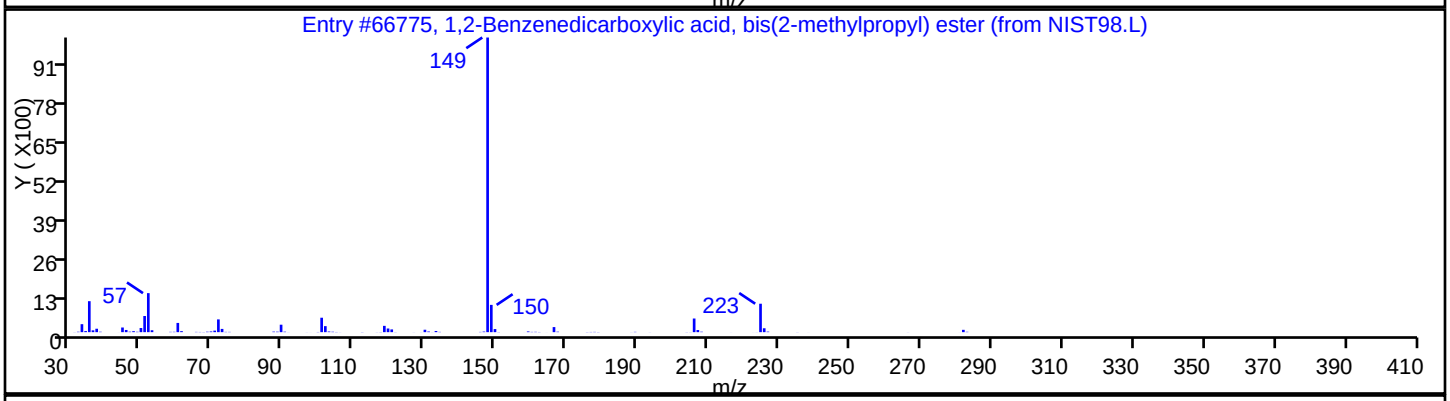
Client ID: OC-SB-421-10.5/12.5-XXX Instrument: Inst. B

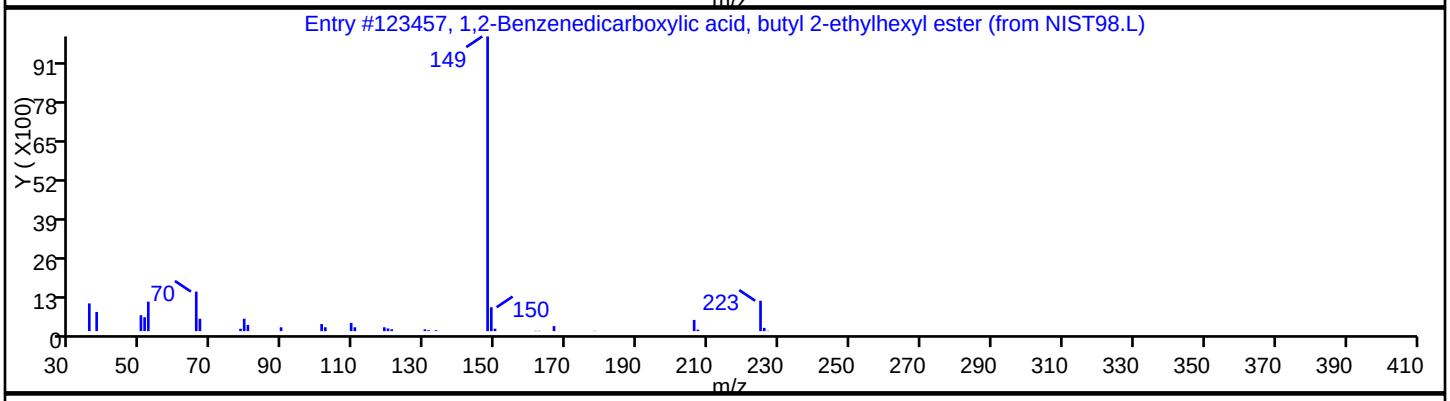
Sample Info: 360-24194-A-2-A

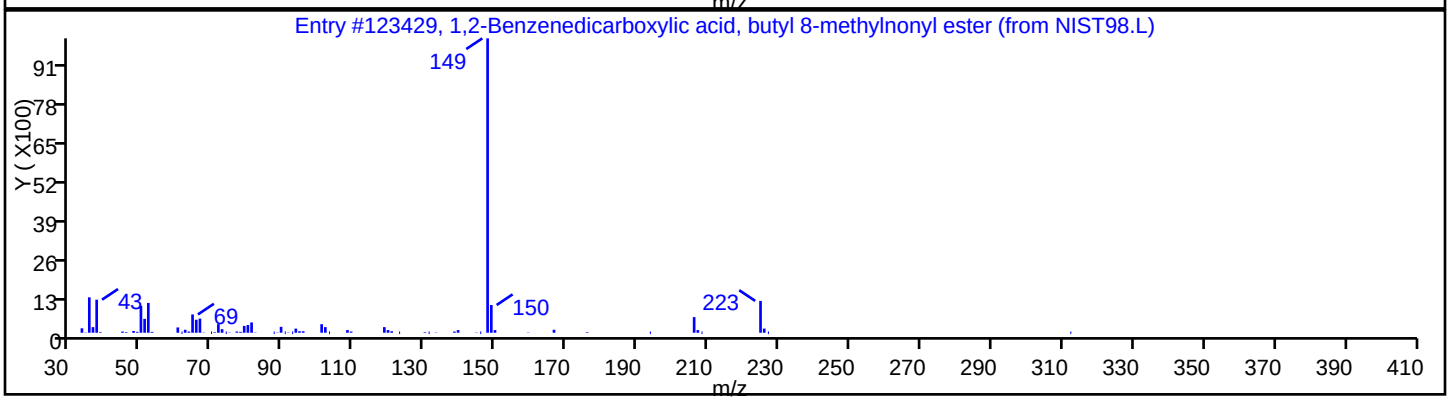
Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1,2-Benzenedicarboxylic acid, bis(2-meth	84-69-5	NIST98.L	66775	87
1,2-Benzenedicarboxylic acid, butyl 2-et	85-69-8	NIST98.L	123457	86
1,2-Benzenedicarboxylic acid, butyl 8-me	89-18-9	NIST98.L	123429	86





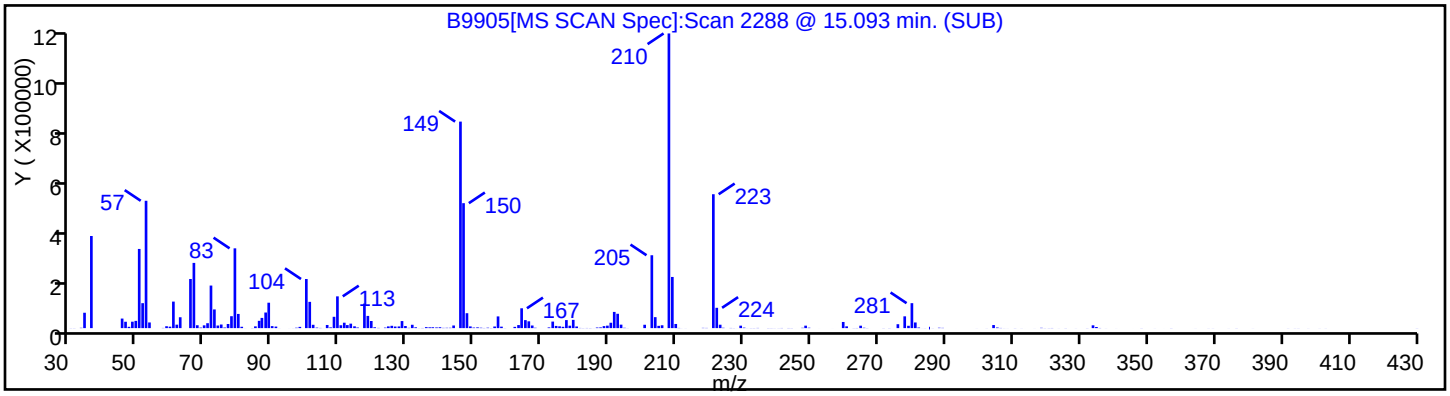




Report Date: 13-Oct-2009 15:55:45 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

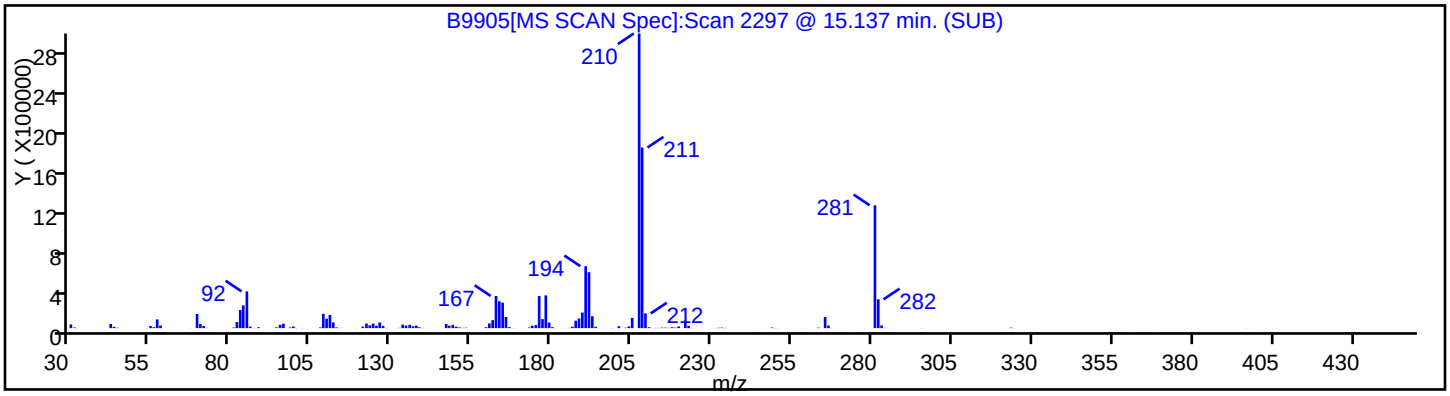
No Library Matches Found above the Threshold: 50



Report Date: 13-Oct-2009 15:55:45 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

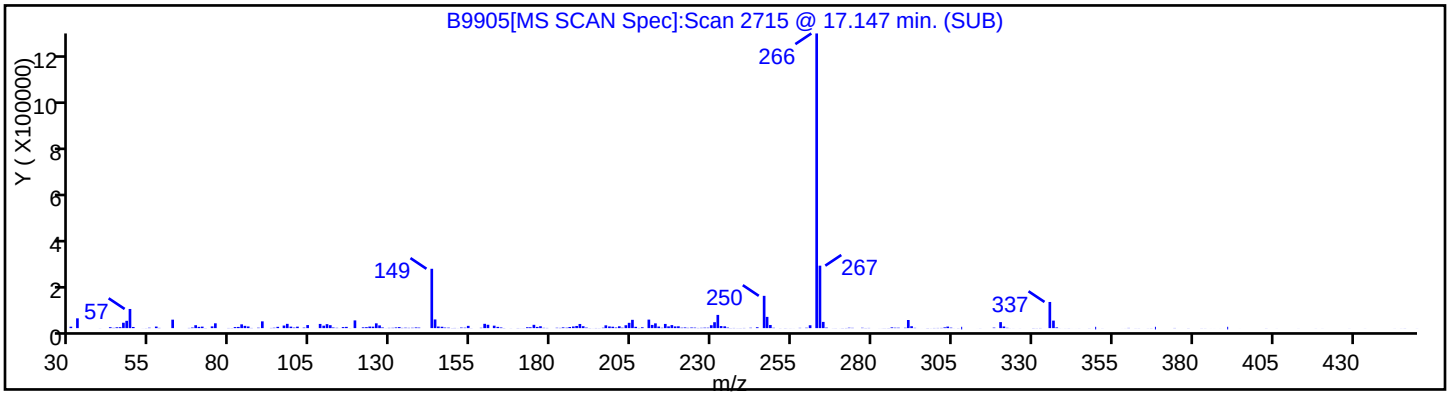
No Library Matches Found above the Threshold: 50



Report Date: 13-Oct-2009 15:55:45 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9905.D		
Inj Date:	28-Aug-2009 22:37:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	36
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

No Library Matches Found above the Threshold: 50



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-421-10.5/12.5-XXX | Lab Sample ID: 360-24194-2 DL

Matrix: Solid | Lab File ID: B9922.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 08:05

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.61(g) | Date Analyzed: 08/31/2009 21:50

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 20

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

% Moisture: 9.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48389 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	11000		720	220

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9922.D		
Lims ID:	360-24194-A-2-A	Client ID:	OC-SB-421-10.5/12.5-XXX
Inject. Date:	31-Aug-2009 21:50:30	Dil. Factor:	20.0000
Sample Type:	Client Sample		
Sample ID:	360-24194-A-2-A		
Misc. Info.:	360-0001013-037		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	14
Lims Batch ID:	48389	Lims Sample ID:	37
Detector:	MS SCAN		

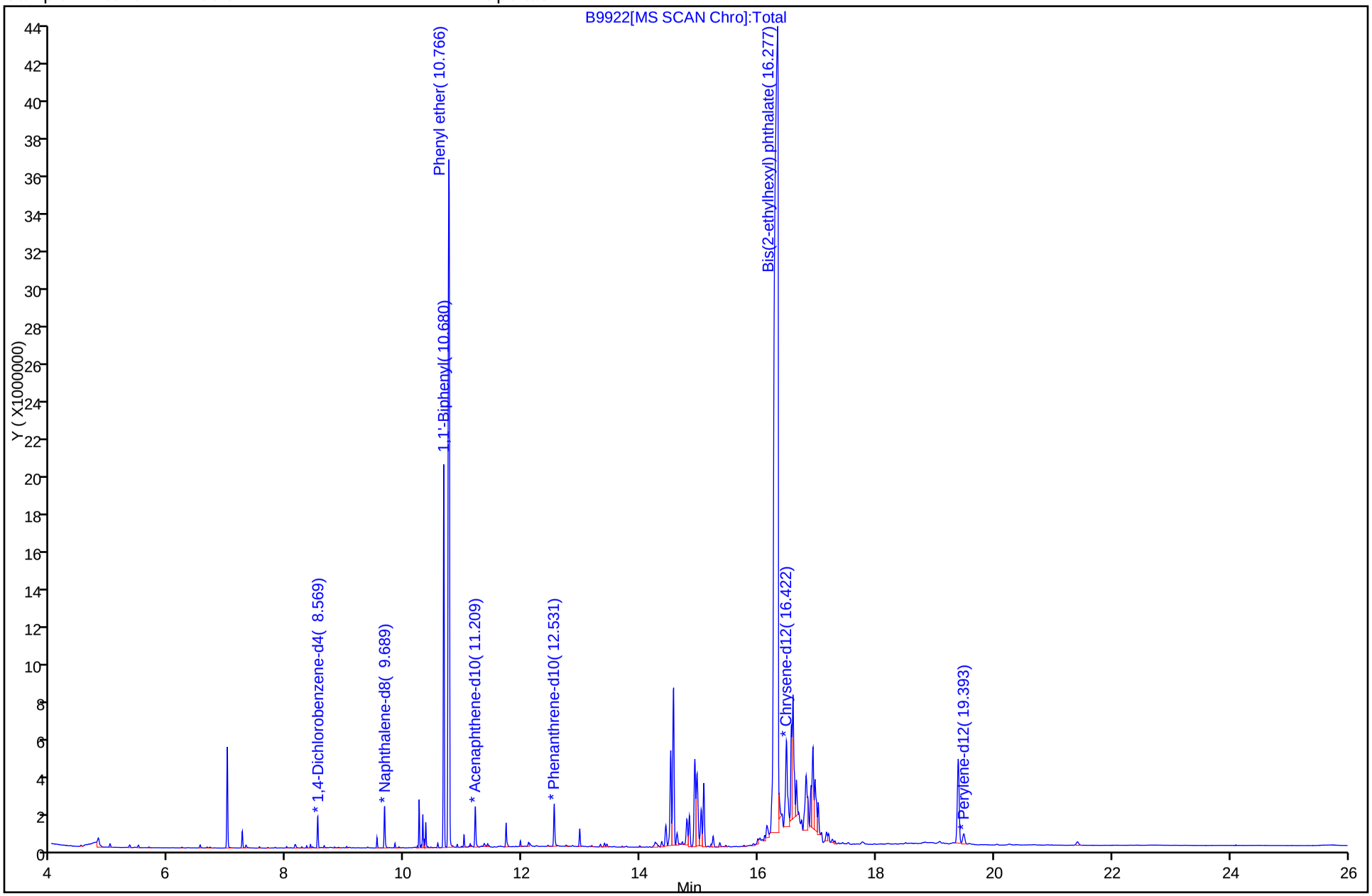
Method:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\8270B.m		
Last Update:	31-Aug-2009 22:56:08	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	31-Aug-2009 22:56:08

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.569	8.564	0.005	479095	2.00	
* 2 Naphthalene-d8	136	9.689	9.684	0.005	1193966	2.00	
* 3 Acenaphthene-d10	164	11.209	11.204	0.005	625235	2.00	
* 4 Phenanthrene-d10	188	12.531	12.526	0.005	1009214	2.00	
* 5 Chrysene-d12	240	16.422	16.412	0.010	781088	2.00	
* 6 Perylene-d12	264	19.398	19.388	0.010	483157	2.00	
52 1,1'-Biphenyl	154	10.680	10.675	0.005	7088060	15.3	
54 Phenyl ether	170	10.766	10.757	0.010	12061562	50.9	
92 Bis(2-ethylhexyl) phthalate	149	16.268	16.215	0.053	29232569	87.1	

Report Date: 31-Aug-2009 22:56:08 Chrom Revision: 1.0.2009.827

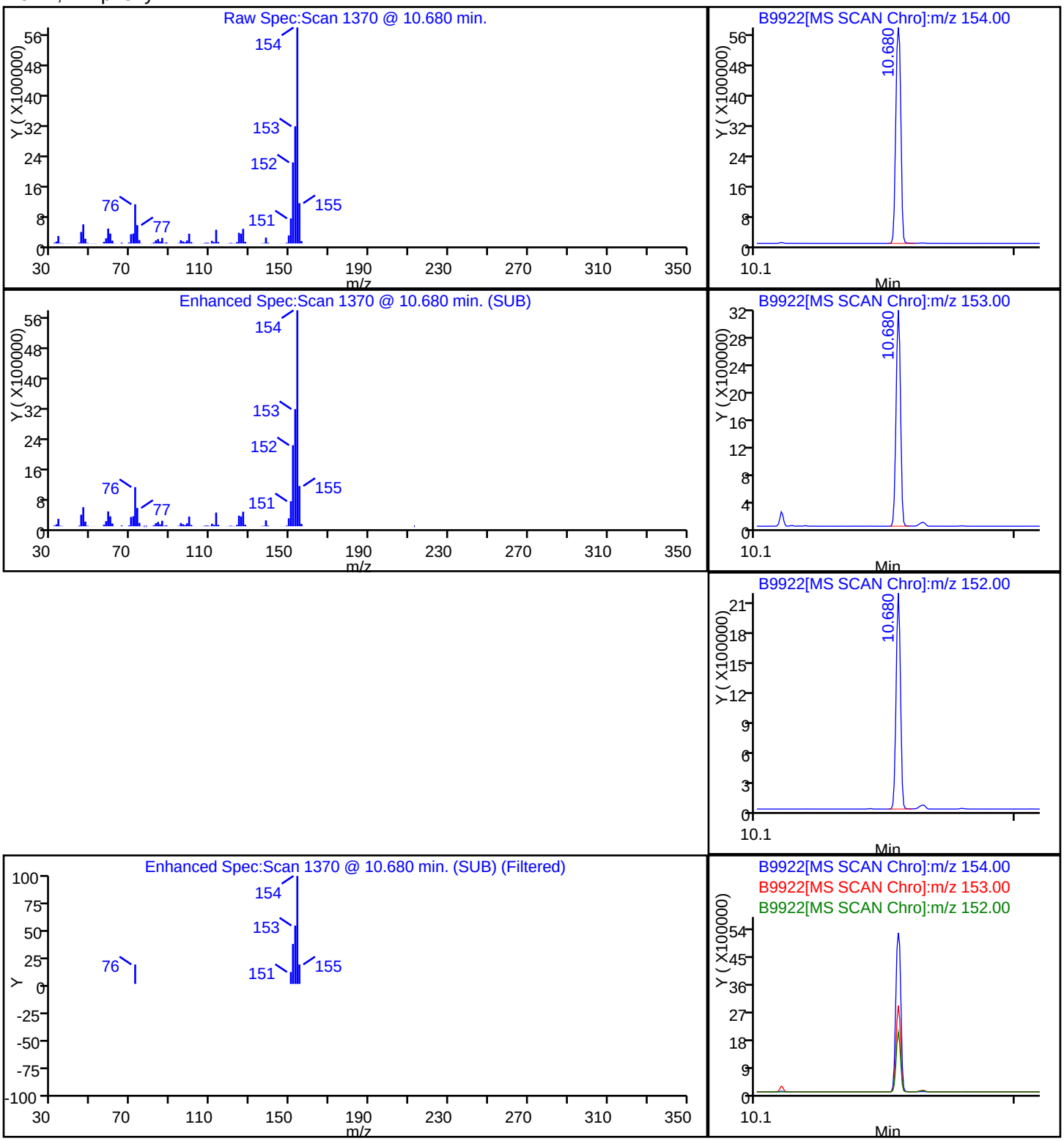
Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9922.D		
Inj Date:	31-Aug-2009 21:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	37
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ



Report Date: 31-Aug-2009 22:56:09 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9922.D		
Inj Date:	31-Aug-2009 21:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	37
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

52 1,1'-Biphenyl



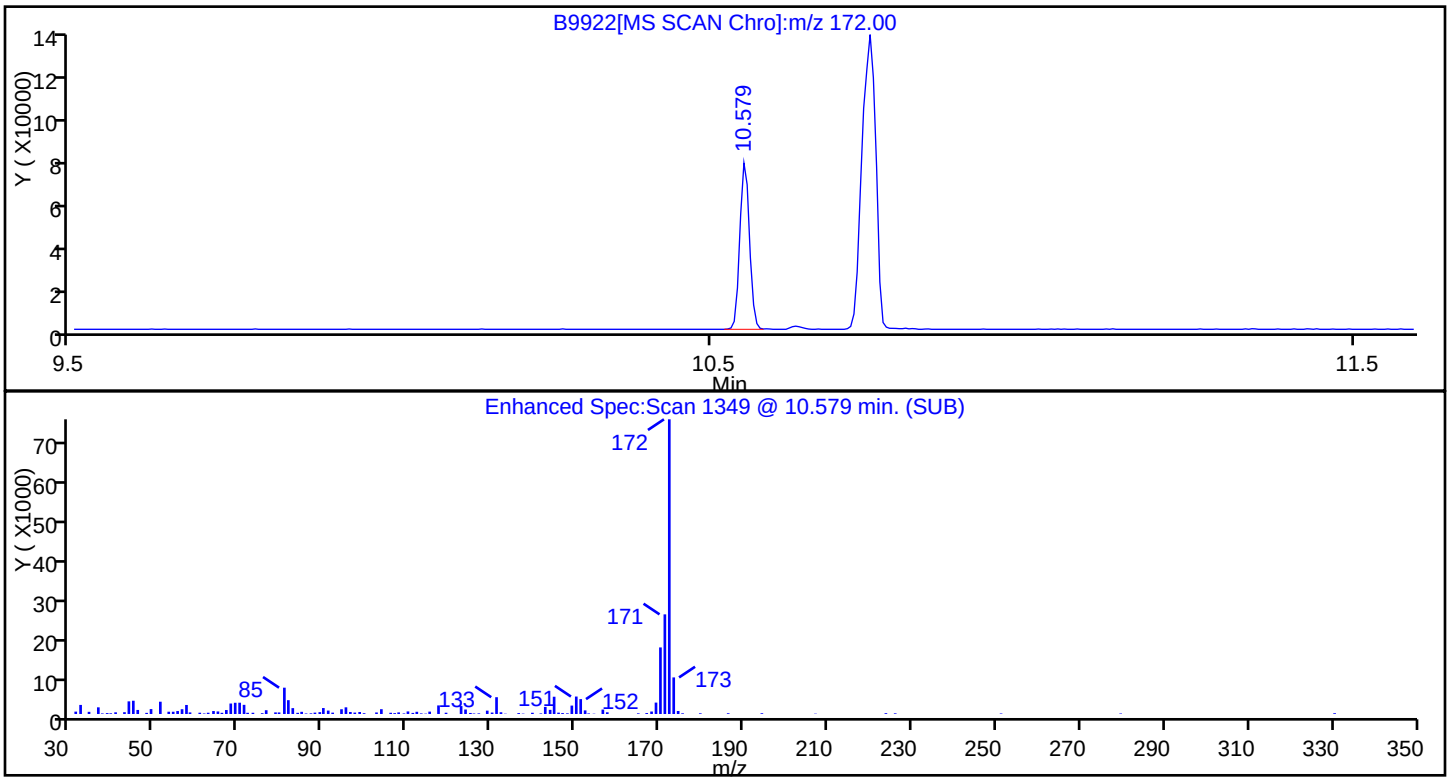
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9922.D		
Inj Date:	31-Aug-2009 21:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	37
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

$ 10 2-Fluorobiphenyl

Processing Results



RT	Mass	Response	Amount
10.58	172.00	76101	0.182157
10.58	171.00	27068	
10.58	170.00	16732	

Reviewer: sullivanp, 31-Aug-2009 22:56:08
Audit Action: Marked Compound Undetected
Audit Reason:

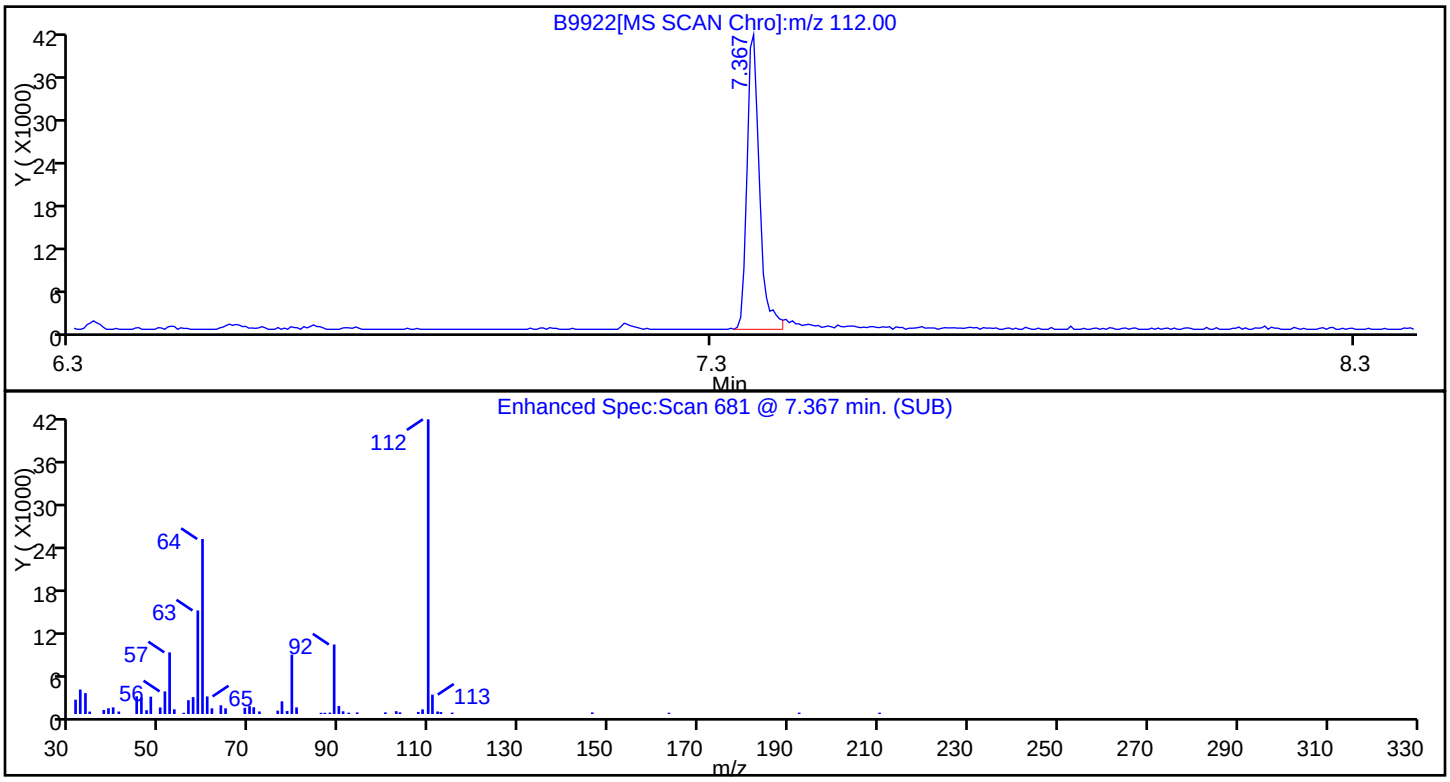
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9922.D		
Inj Date:	31-Aug-2009 21:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	37
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

$ 7 2-Fluorophenol

Processing Results



RT	Mass	Response	Amount
7.37	112.00	53196	0.393588
7.37	64.00	31124	
7.37	92.00	12959	

Reviewer: sullivanp, 31-Aug-2009 22:56:08
Audit Action: Marked Compound Undetected
Audit Reason:

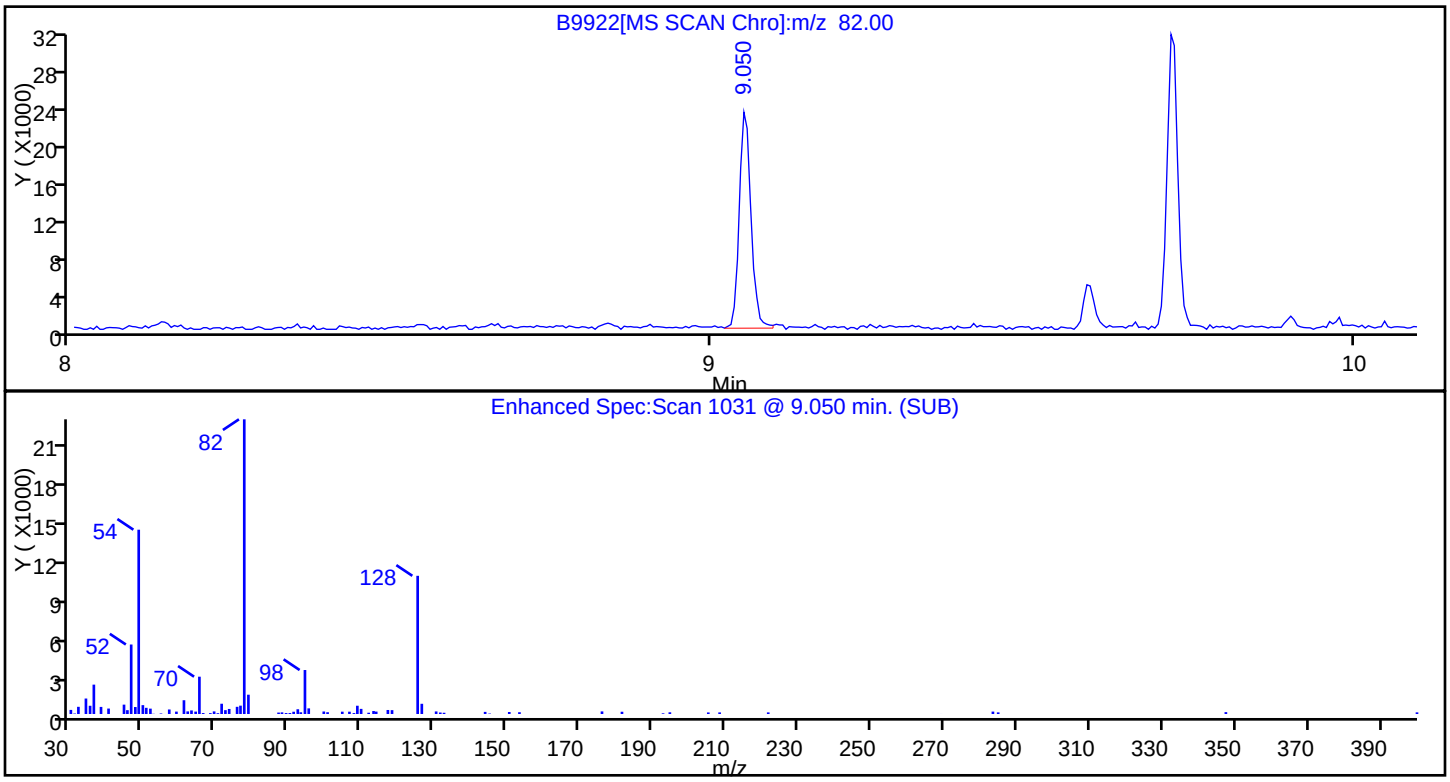
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9922.D		
Inj Date:	31-Aug-2009 21:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	37
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

$ 9 Nitrobenzene-d5

Processing Results



RT	Mass	Response	Amount
9.05	82.00	27863	0.204916
9.05	128.00	13115	
9.05	54.00	16533	

Reviewer: sullivanp, 31-Aug-2009 22:56:08
Audit Action: Marked Compound Undetected
Audit Reason:

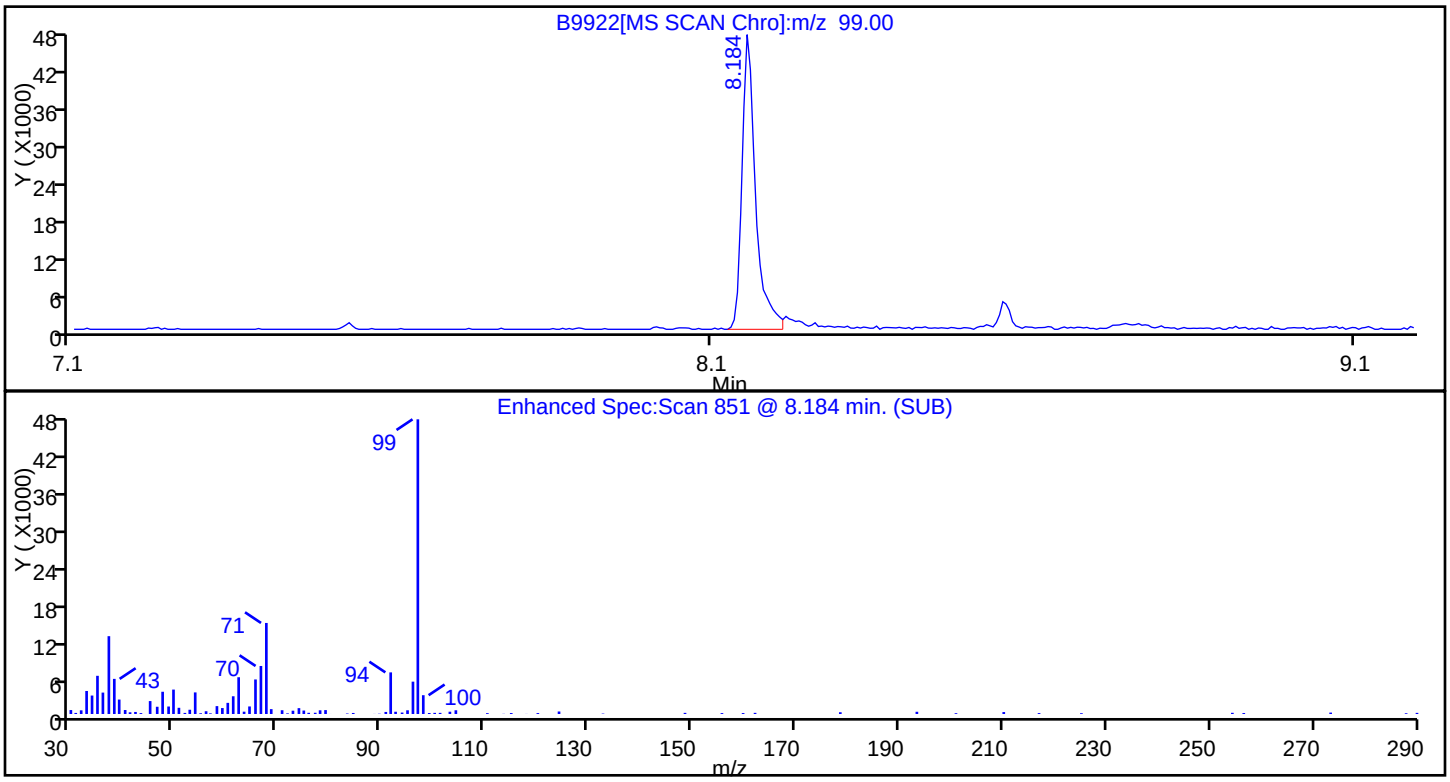
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9922.D		
Inj Date:	31-Aug-2009 21:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	37
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

$ 8 Phenol-d5

Processing Results



RT	Mass	Response	Amount
8.18	99.00	67487	0.404906
8.18	42.00	19124	
8.18	71.00	22389	

Reviewer: sullivanp, 31-Aug-2009 22:56:08
Audit Action: Marked Compound Undetected
Audit Reason:

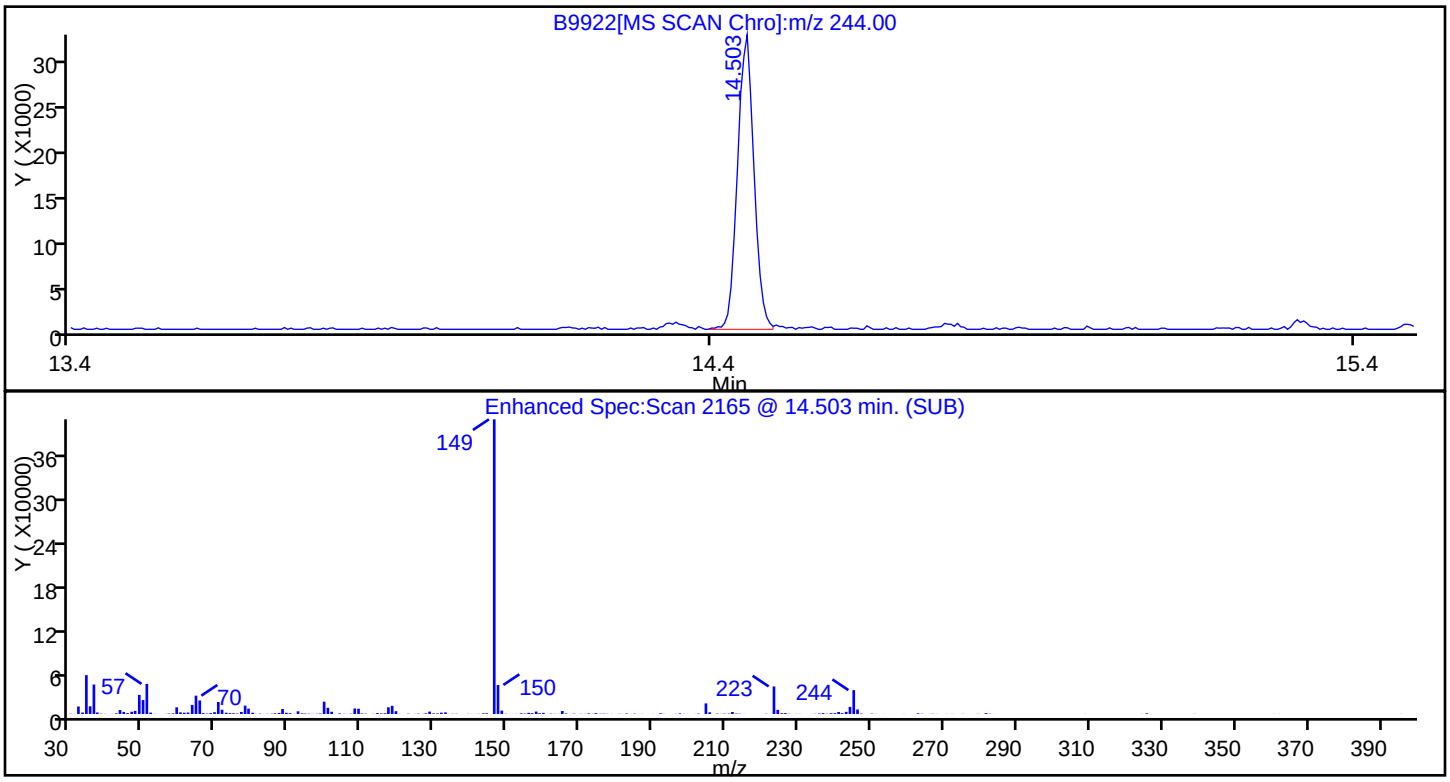
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9922.D		
Inj Date:	31-Aug-2009 21:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	37
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

$ 12 Terphenyl-d14

Processing Results



RT	Mass	Response	Amount
14.50	244.00	56052	0.163952
14.48	122.00	45415	
14.50	212.00	4356	

Reviewer: sullivanp, 31-Aug-2009 22:56:08
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-421-10.5/12.5-XXX | Lab Sample ID: 360-24194-2 DL2

Matrix: Solid | Lab File ID: B9923.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 08:05

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.61(g) | Date Analyzed: 08/31/2009 22:24

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 100

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

% Moisture: 9.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48389 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
101-84-8	Diphenyl oxide	74000		3600	1100

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

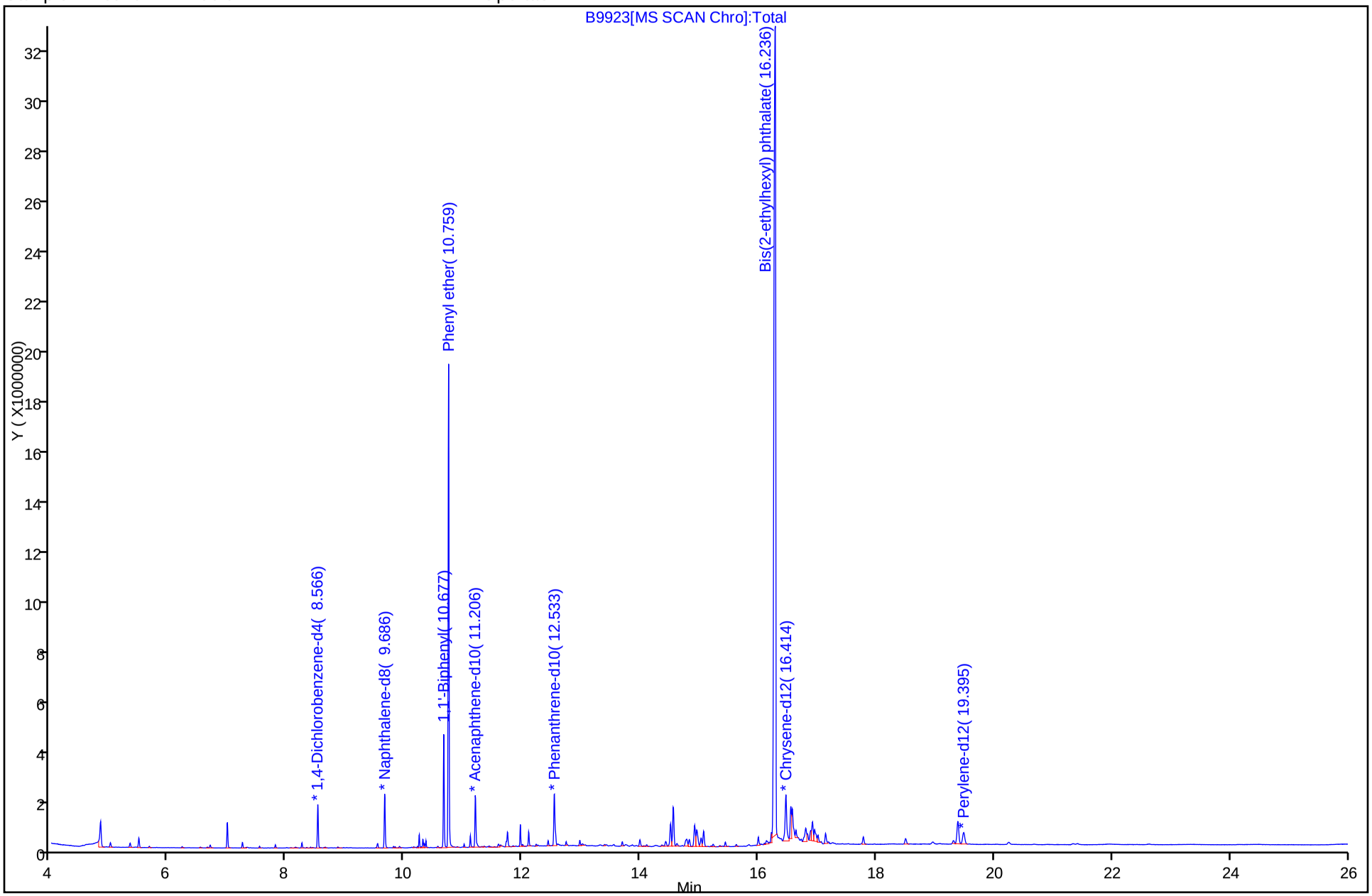
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9923.D		
Lims ID:	360-24194-A-2-A	Client ID:	OC-SB-421-10.5/12.5-XXX
Inject. Date:	31-Aug-2009 22:24:30	Dil. Factor:	100.0000
Sample Type:	Client Sample		
Sample ID:	360-24194-A-2-A		
Misc. Info.:	360-0001013-038		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	15
Lims Batch ID:	48389	Lims Sample ID:	38
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\8270B.m		
Last Update:	31-Aug-2009 22:56:08	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	31-Aug-2009 22:57:01

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.566	8.564	0.002	479835	2.00	
* 2 Naphthalene-d8	136	9.686	9.684	0.002	1177887	2.00	
* 3 Acenaphthene-d10	164	11.206	11.204	0.002	616796	2.00	
* 4 Phenanthrene-d10	188	12.528	12.526	0.002	970448	2.00	
* 5 Chrysene-d12	240	16.414	16.412	0.002	718953	2.00	
* 6 Perylene-d12	264	19.395	19.388	0.007	427050	2.00	
52 1,1'-Biphenyl	154	10.677	10.675	0.002	1614108	3.54	
54 Phenyl ether	170	10.759	10.757	0.002	4809075	20.6	
92 Bis(2-ethylhexyl) phthalate	149	16.236	16.215	0.021	15676411	50.8	

Report Date: 31-Aug-2009 22:57:01 Chrom Revision: 1.0.2009.827

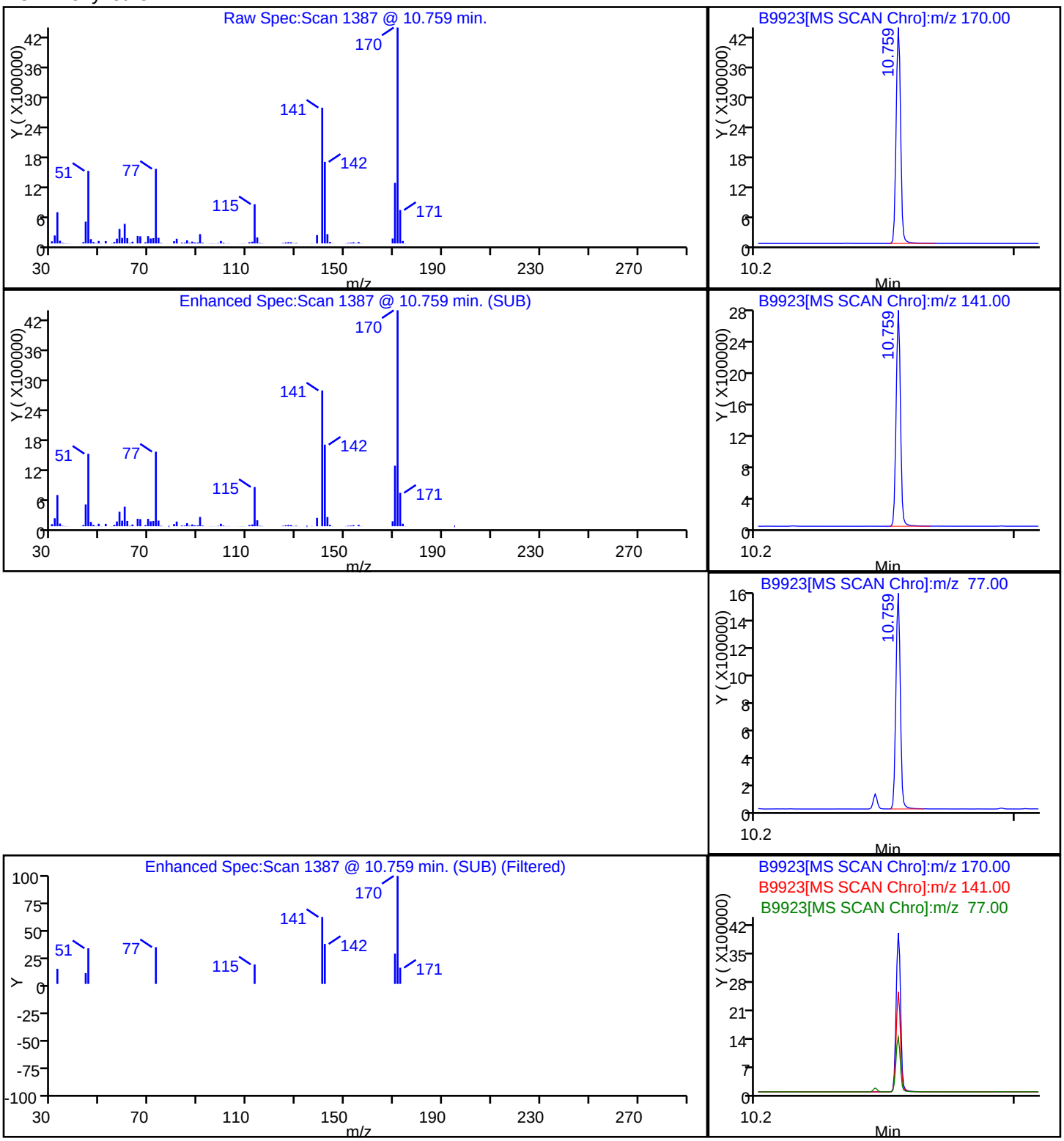
Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9923.D		
Inj Date:	31-Aug-2009 22:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	38
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ



Report Date: 31-Aug-2009 22:57:03 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9923.D		
Inj Date:	31-Aug-2009 22:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	38
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

54 Phenyl ether



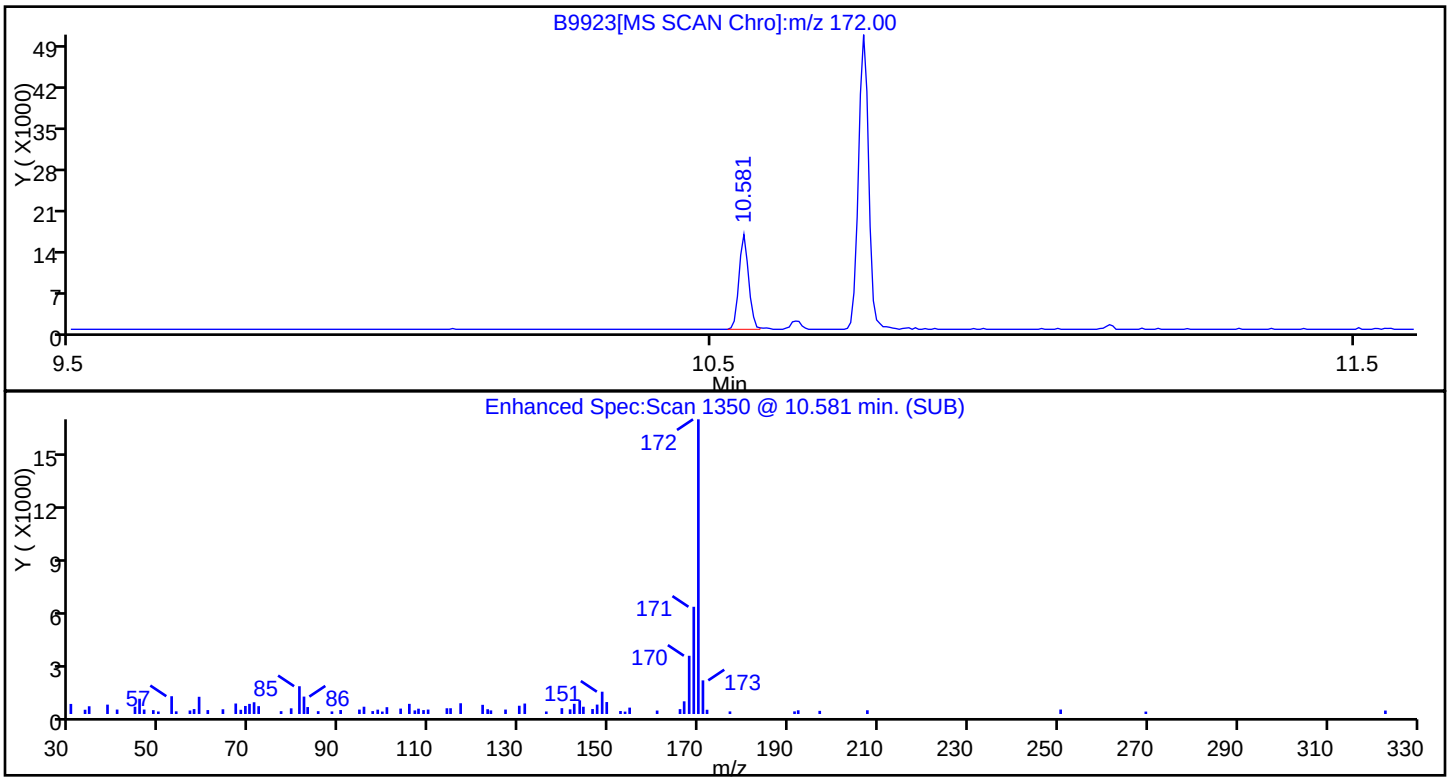
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9923.D		
Inj Date:	31-Aug-2009 22:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	38
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

$ 10 2-Fluorobiphenyl

Processing Results



RT	Mass	Response	Amount
10.58	172.00	16039	0.038917
10.58	171.00	5784	
10.58	170.00	3388	

Reviewer: sullivanp, 31-Aug-2009 22:57:01
Audit Action: Marked Compound Undetected
Audit Reason:

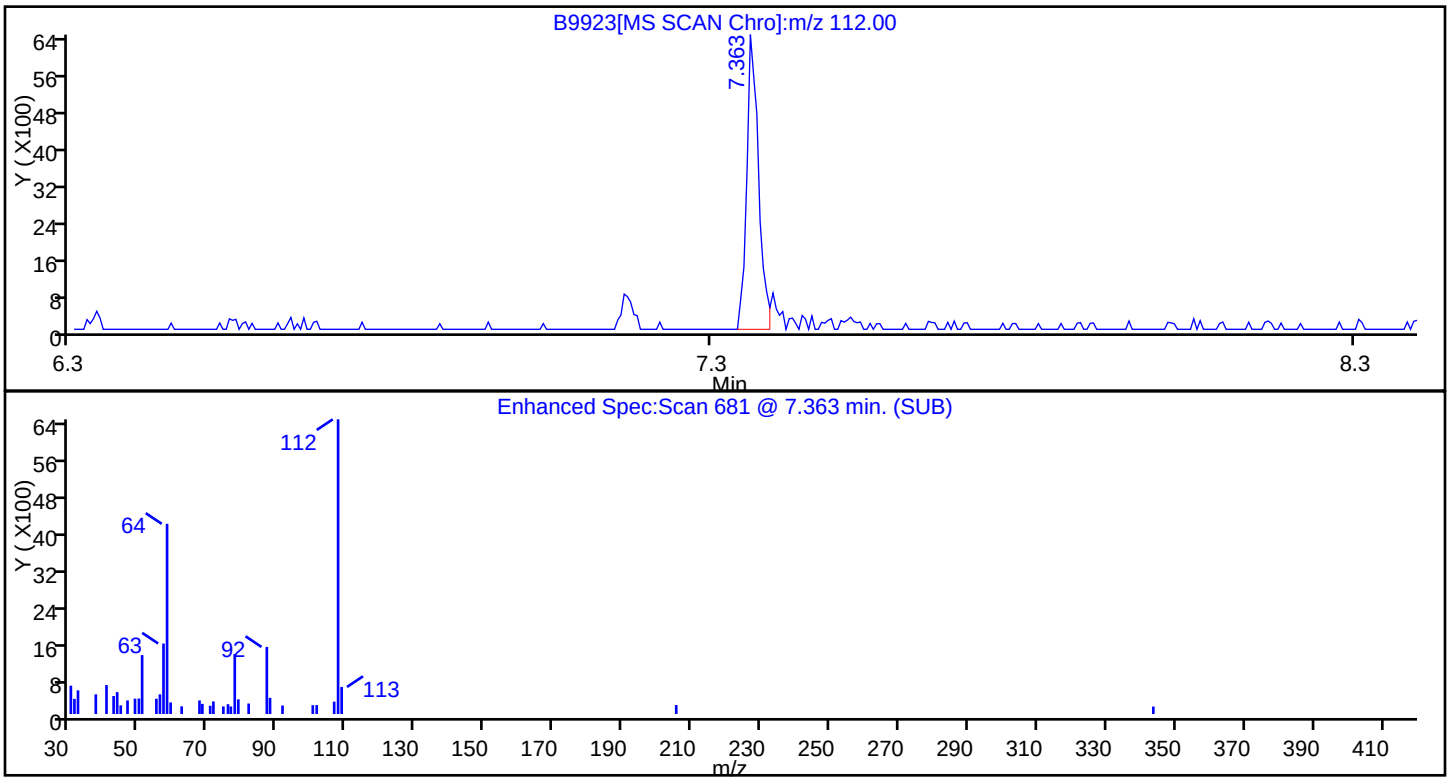
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9923.D		
Inj Date:	31-Aug-2009 22:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	38
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

$ 7 2-Fluorophenol

Processing Results



RT	Mass	Response	Amount
7.36	112.00	7911	0.058442
7.36	64.00	5484	
7.37	92.00	2667	

Reviewer: sullivanp, 31-Aug-2009 22:57:01
Audit Action: Marked Compound Undetected
Audit Reason:

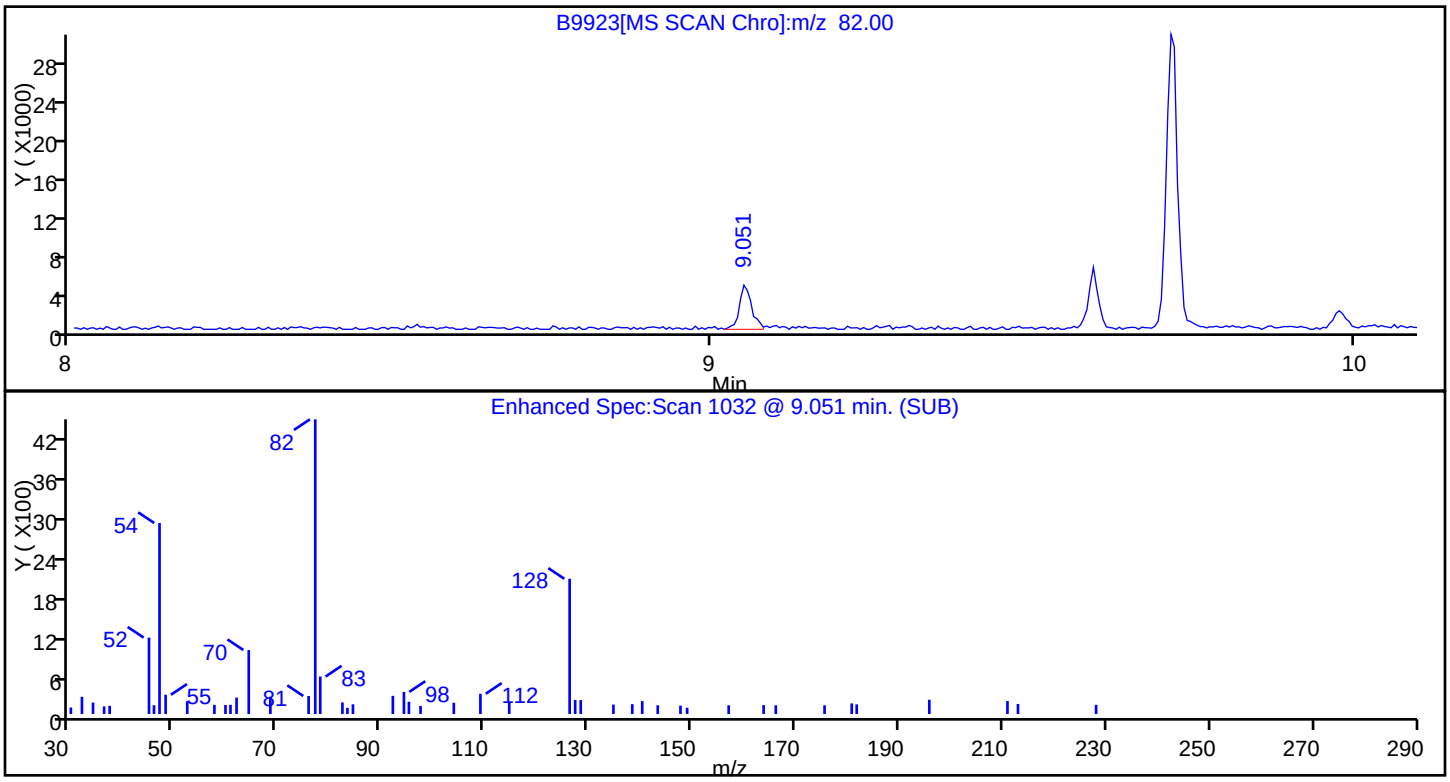
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9923.D		
Inj Date:	31-Aug-2009 22:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	38
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

$ 9 Nitrobenzene-d5

Processing Results



RT	Mass	Response	Amount
9.05	82.00	5917	0.090081
9.05	128.00	2412	
9.06	54.00	3692	

Reviewer: sullivanp, 31-Aug-2009 22:57:01
Audit Action: Marked Compound Undetected
Audit Reason:

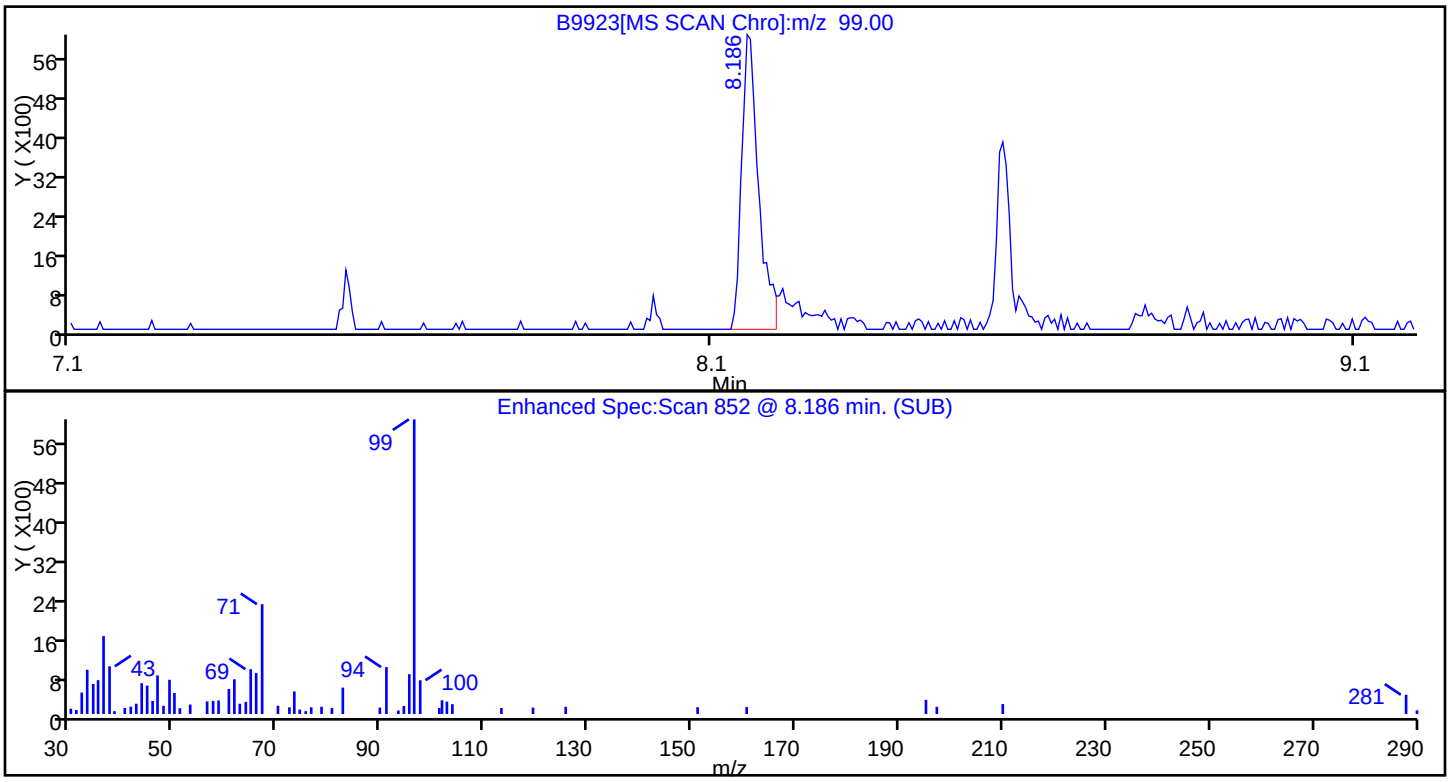
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9923.D		
Inj Date:	31-Aug-2009 22:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	38
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

$ 8 Phenol-d5

Processing Results



RT	Mass	Response	Amount
8.19	99.00	10643	0.063757
8.19	42.00	2924	
8.19	71.00	3176	

Reviewer: sullivanp, 31-Aug-2009 22:57:01
Audit Action: Marked Compound Undetected
Audit Reason:

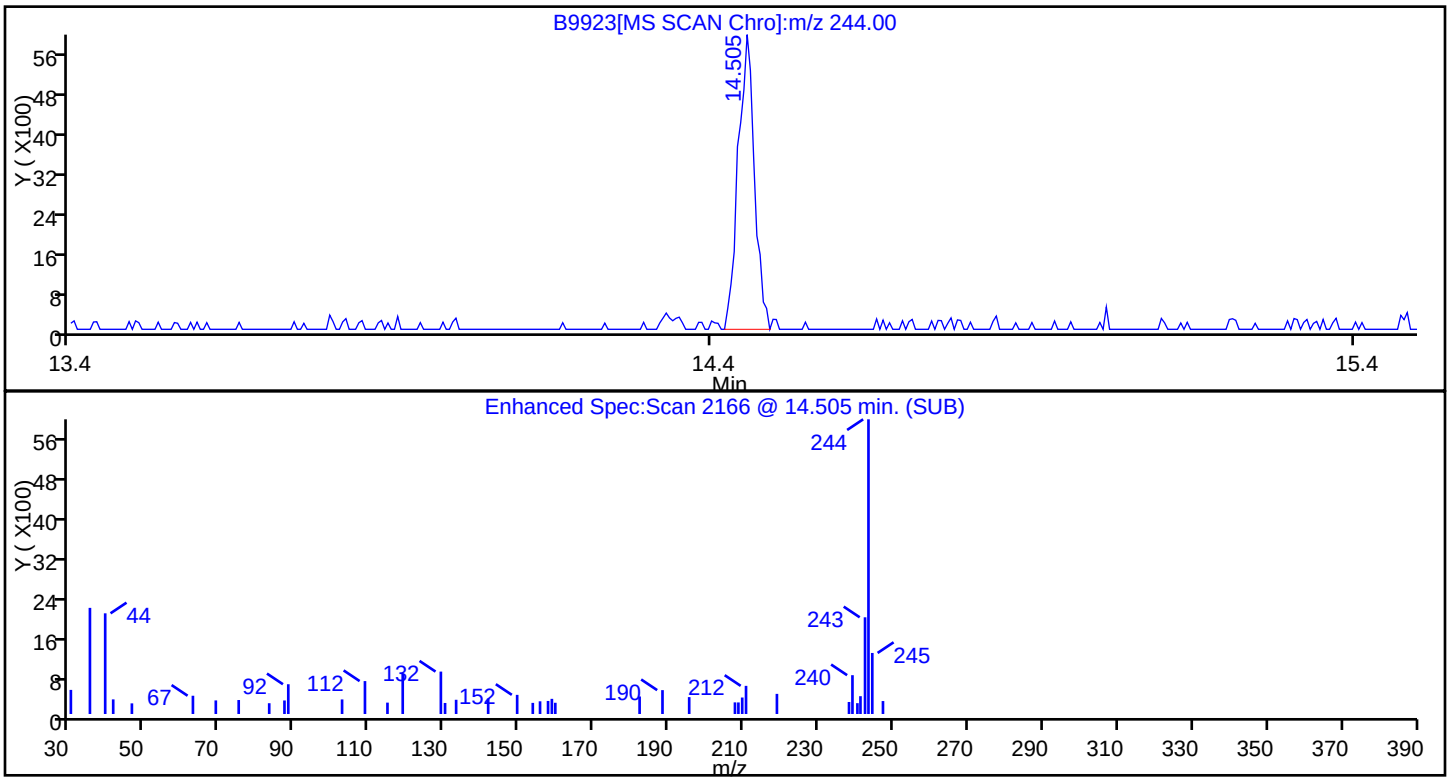
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9923.D		
Inj Date:	31-Aug-2009 22:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	38
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

$ 12 Terphenyl-d14

Processing Results



RT	Mass	Response	Amount
14.50	244.00	10059	0.031965
14.52	122.00	14307	
14.50	212.00	996	

Reviewer: sullivanp, 31-Aug-2009 22:57:01
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-421-10.5/12.5-XXX | Lab Sample ID: 360-24194-2 DL3

Matrix: Solid | Lab File ID: B9924.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 08:05

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.61(g) | Date Analyzed: 08/31/2009 22:58

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1000

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

% Moisture: 9.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48389 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	420000		36000	11000

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

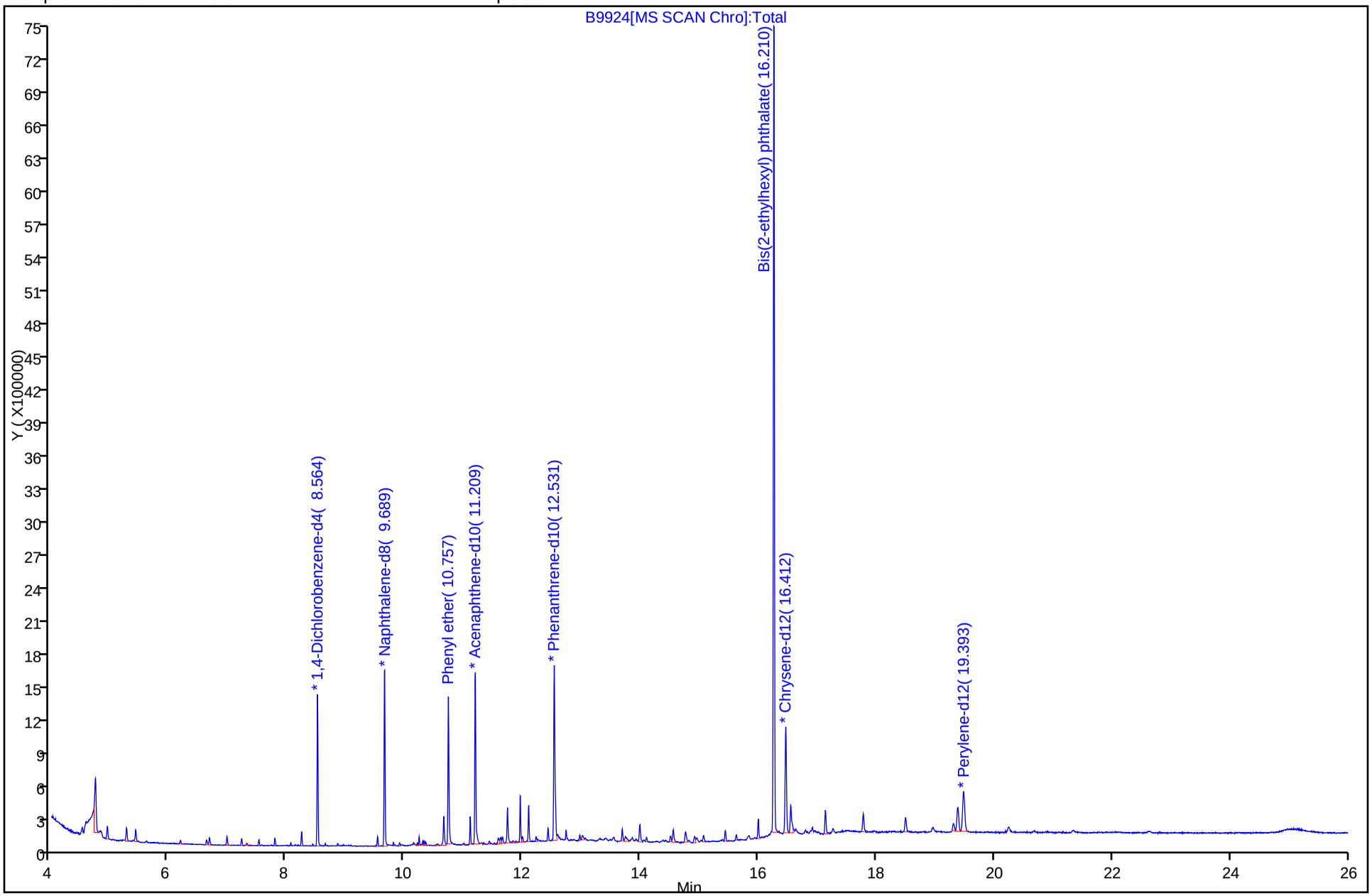
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9924.D		
Lims ID:	360-24194-A-2-A	Client ID:	OC-SB-421-10.5/12.5-XXX
Inject. Date:	31-Aug-2009 22:58:30	Dil. Factor:	1000.0000
Sample Type:	Client Sample		
Sample ID:	360-24194-A-2-A		
Misc. Info.:	360-0001013-039		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	16
Lims Batch ID:	48389	Lims Sample ID:	39
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\8270B.m		
Last Update:	01-Sep-2009 08:25:13	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	01-Sep-2009 08:25:13

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.564	8.564	0.000	366955	2.00	
* 2 Naphthalene-d8	136	9.689	9.684	0.005	882741	2.00	
* 3 Acenaphthene-d10	164	11.209	11.204	0.005	452244	2.00	
* 4 Phenanthrene-d10	188	12.531	12.526	0.005	740105	2.00	
* 5 Chrysene-d12	240	16.412	16.412	0.000	533330	2.00	
* 6 Perylene-d12	264	19.393	19.388	0.005	319232	2.00	
54 Phenyl ether	170	10.757	10.757	0.001	357631	2.04	
92 Bis(2-ethylhexyl) phthalate	149	16.215	16.215	0.000	2686835	11.8	

Report Date: 01-Sep-2009 08:25:14 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9924.D		
Inj Date:	31-Aug-2009 22:58:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	39
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ



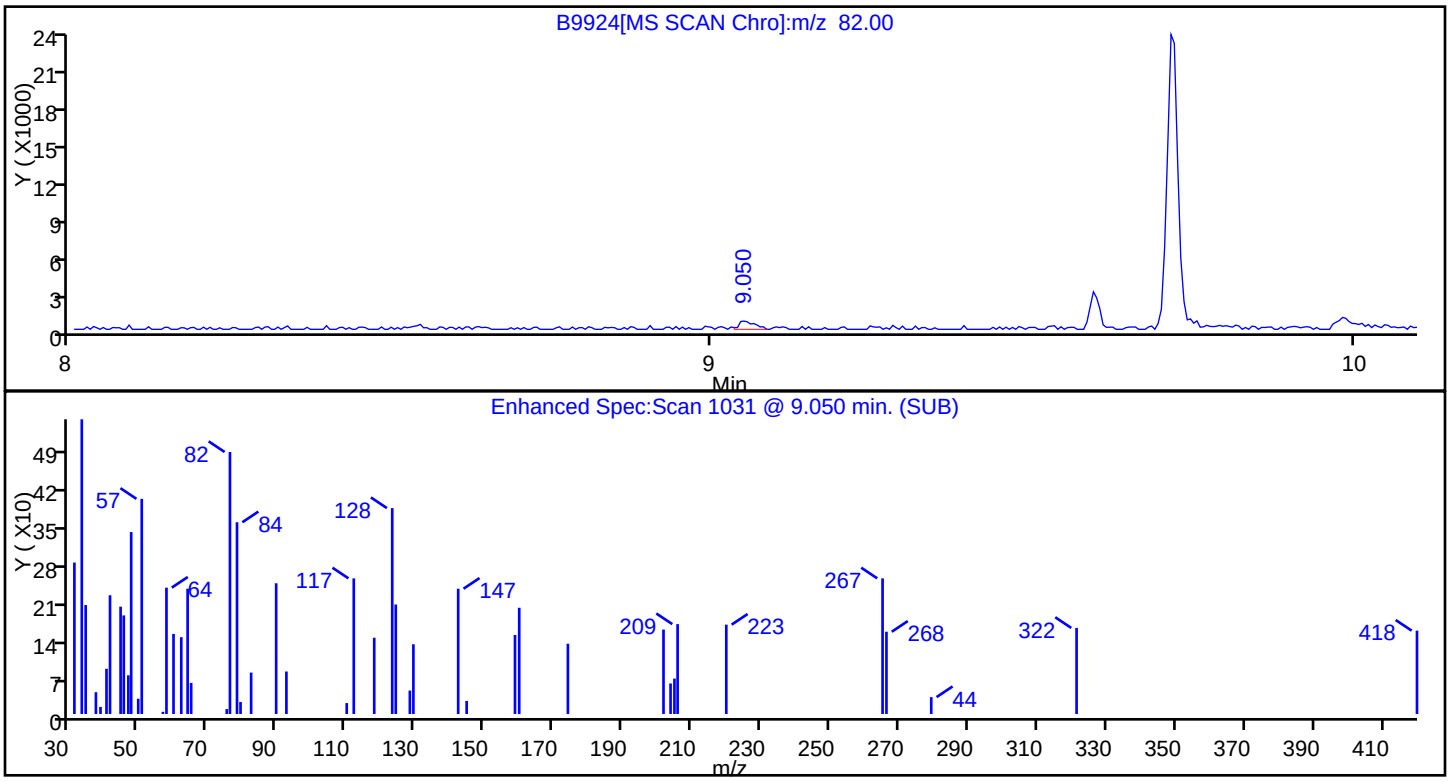
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9924.D		
Inj Date:	31-Aug-2009 22:58:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	39
Client ID:	OC-SB-421-10.5/12.5-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-2-A		
Sample Amount:	2.00 uL	Operator:	MZ

$ 9 Nitrobenzene-d5

Processing Results



RT	Mass	Response	Amount
9.05	82.00	1111	0.066473
9.05	128.00	323	
9.06	54.00	228	

Reviewer: sullivanp, 01-Sep-2009 08:25:13
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-424-17/19-XXX | Lab Sample ID: 360-24194-5

Matrix: Solid | Lab File ID: B10157.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 12:35

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.59(g) | Date Analyzed: 09/10/2009 02:28

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

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

% Moisture: 11.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48751 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	92		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	6.6
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	11	J	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.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-424-17/19-XXX | Lab Sample ID: 360-24194-5

Matrix: Solid | Lab File ID: B10157.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 12:35

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.59(g) | Date Analyzed: 09/10/2009 02:28

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

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

% Moisture: 11.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48751 | 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	6.7
205-99-2	Benzo[b]fluoranthene	ND		37	8.4
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	56	J *	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
85-68-7	Butyl benzyl phthalate	ND		37	8.0
105-60-2	Caprolactam	ND		37	11
86-74-8	Carbazole	ND		37	37
218-01-9	Chrysene	ND		37	7.9
53-70-3	Dibenz(a,h)anthracene	ND		37	7.4
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	14	J B	37	11
117-84-0	Di-n-octyl phthalate	ND		37	10
101-84-8	Diphenyl oxide	69		37	11
206-44-0	Fluoranthene	ND		37	23
86-73-7	Fluorene	ND		37	14
118-74-1	Hexachlorobenzene	ND		37	8.7
87-68-3	Hexachlorobutadiene	ND		37	7.3
77-47-4	Hexachlorocyclopentadiene	ND		74	10
67-72-1	Hexachloroethane	ND		37	7.0
193-39-5	Indeno[1,2,3-cd]pyrene	ND		37	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-424-17/19-XXX | Lab Sample ID: 360-24194-5

Matrix: Solid | Lab File ID: B10157.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 12:35

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.59(g) | Date Analyzed: 09/10/2009 02:28

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

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

% Moisture: 11.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48751 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
78-59-1	Isophorone	ND		37	7.9
91-20-3	Naphthalene	ND		88	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	18	J	37	7.4
87-86-5	Pentachlorophenol	ND		37	7.6
85-01-8	Phenanthrene	ND		44	42
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	78	30-130	
321-60-8	2-Fluorobiphenyl	65	30-130	
367-12-4	2-Fluorophenol	103	30-130	
4165-60-0	Nitrobenzene-d5	63	30-130	
4165-62-2	Phenol-d5	98	30-130	
1718-51-0	Terphenyl-d14	71	30-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-424-17/19-XXX Lab Sample ID: 360-24194-5

Matrix: Solid Lab File ID: B10157.D

Analysis Method: 8270C LL Date Collected: 08/19/2009 12:35

Extract. Method: 3546 Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.59(g) Date Analyzed: 09/10/2009 02:28

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

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

% Moisture: 11.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 48751 Units: ug/Kg

Number TICs Found: 3 TIC Result Total: 283

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	5.46	110	T J
112-84-5	Erucylamide	16.03	97	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	17.08	76	T J N

Report Date: 10-Sep-2009 08:17:25 Chrom Revision: 1.0.2009.827

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10157.D		
Lims ID:	360-24194-A-5-A	Client ID:	OC-SB-424-17/19-XXX
Inject. Date:	10-Sep-2009 02:28:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24194-A-5-A		
Misc. Info.:	360-0001117-007		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	18
Lims Batch ID:	48751	Lims Sample ID:	7
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\8270B.m		
Last Update:	10-Sep-2009 08:17:25	Calib Date:	09-Sep-2009 21:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10149.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 10-Sep-2009 08:17:24

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.577	7.574	0.003	498743	2.00	
* 2 Naphthalene-d8	136	8.707	8.705	0.002	1330097	2.00	
* 3 Acenaphthene-d10	164	10.217	10.215	0.002	739321	2.00	
* 4 Phenanthrene-d10	188	11.462	11.461	0.001	1282192	2.00	
* 5 Chrysene-d12	240	14.766	14.760	0.006	1122703	2.00	
* 6 Perylene-d12	264	17.185	17.183	0.002	909816	2.00	
$ 7 2-Fluorophenol	112	6.408	6.359	0.049	1296304	10.3	
$ 8 Phenol-d5	99	7.279	7.253	0.026	1655313	9.82	
$ 9 Nitrobenzene-d5	82	8.091	8.090	0.001	586540	3.13	
$ 10 2-Fluorobiphenyl	172	9.611	9.614	-0.003	1567175	3.26	
$ 11 2,4,6-Tribromophenol	330	10.885	10.884	0.001	367528	7.80	
$ 12 Terphenyl-d14	244	12.943	12.942	0.001	1518780	3.57	
17 Benzaldehyde	105	7.187	7.186	0.001	16534	0.2391	
30 Acetophenone	105	7.947	7.946	0.001	11135	0.0554	
36 Benzoic acid	105	8.428	8.447	-0.019	19605	1.51	
41 Naphthalene	128	8.721	8.725	-0.004	7193	0.0137	
52 1,1'-Biphenyl	154	9.693	9.696	-0.003	1319969	2.49	
54 Phenyl ether	170	9.779	9.783	-0.004	438397	1.86	
64 Dibenzofuran	168	10.371	10.369	0.002	6591	0.0120	
66 Diethyl phthalate	149	10.539	10.538	0.001	11541	0.0248	
67 4-Chlorophenyl phenyl ether	204	10.630	10.629	0.001	13220	0.0618	
71 Diphenylamine	169	10.731	10.730	0.001	197384	0.4761	
72 N-Nitrosodiphenylamine	169	10.731	10.730	0.001	197384	0.4761	
75 4-Bromophenyl phenyl ether	248	11.044	11.042	0.002	36512	0.3098	
80 Phenanthrene	178	11.482	11.480	0.002	14648	0.0225	
84 Di-n-butyl phthalate	149	11.881	11.884	-0.003	305511	0.3891	
85 Pyrene	202	12.568	12.567	0.001	11822	0.0176	
87 Fluoranthene	202	12.833	12.826	0.007	9618	0.0153	
89 Butyl benzyl phthalate	149	13.593	13.596	-0.003	14417	0.0454	
92 Bis(2-ethylhexyl) phthalate	149	14.675	14.663	0.012	8963744	22.8	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10157.D		
Lims ID:	360-24194-A-5-A	Client ID:	OC-SB-424-17/19-XXX
Inject. Date:	10-Sep-2009 02:28:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24194-A-5-A		
Misc. Info.:	360-0001117-007		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	18
Lims Batch ID:	48751	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\8270B.m		
Last Update:	10-Sep-2009 08:17:25	Calib Date:	09-Sep-2009 21:58:30
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:	10-Sep-2009 08:17:24

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Alpha-Terpineol	8.683	1670	0.0118	
1,2-Diphenylhydrazine	10.789	4583	0.0102	
Benzidine	12.660	1037	0.4444	
Pentachloronitrobenzene	11.405	198	0.0467	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
5.456	2490310	2.98	1			
112-84-5		Erucylamide				
16.026	3975292	2.64	6	90	19656	
26603-23-6		p,p'-Dioctyldiphenylamine				
17.084	3095796	2.05	6	97	101420	

Quantitation Compounds

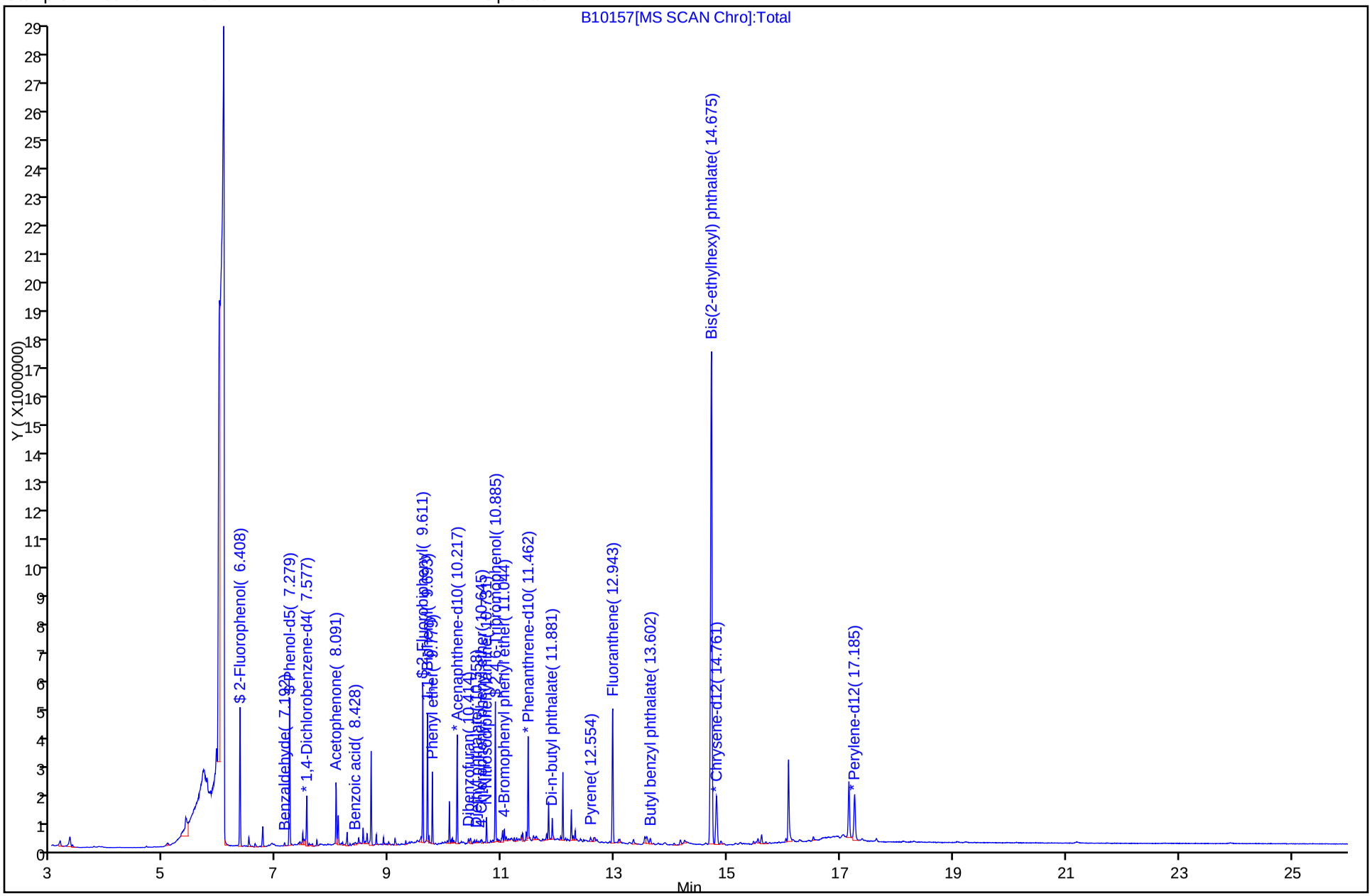
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.577	1669928	2.00
* 6 Perylene-d12	17.185	3016693	2.00

QC Flag Legend

Processing Flags

Report Date: 10-Sep-2009 08:17:26 Chrom Revision: 1.0.2009.827

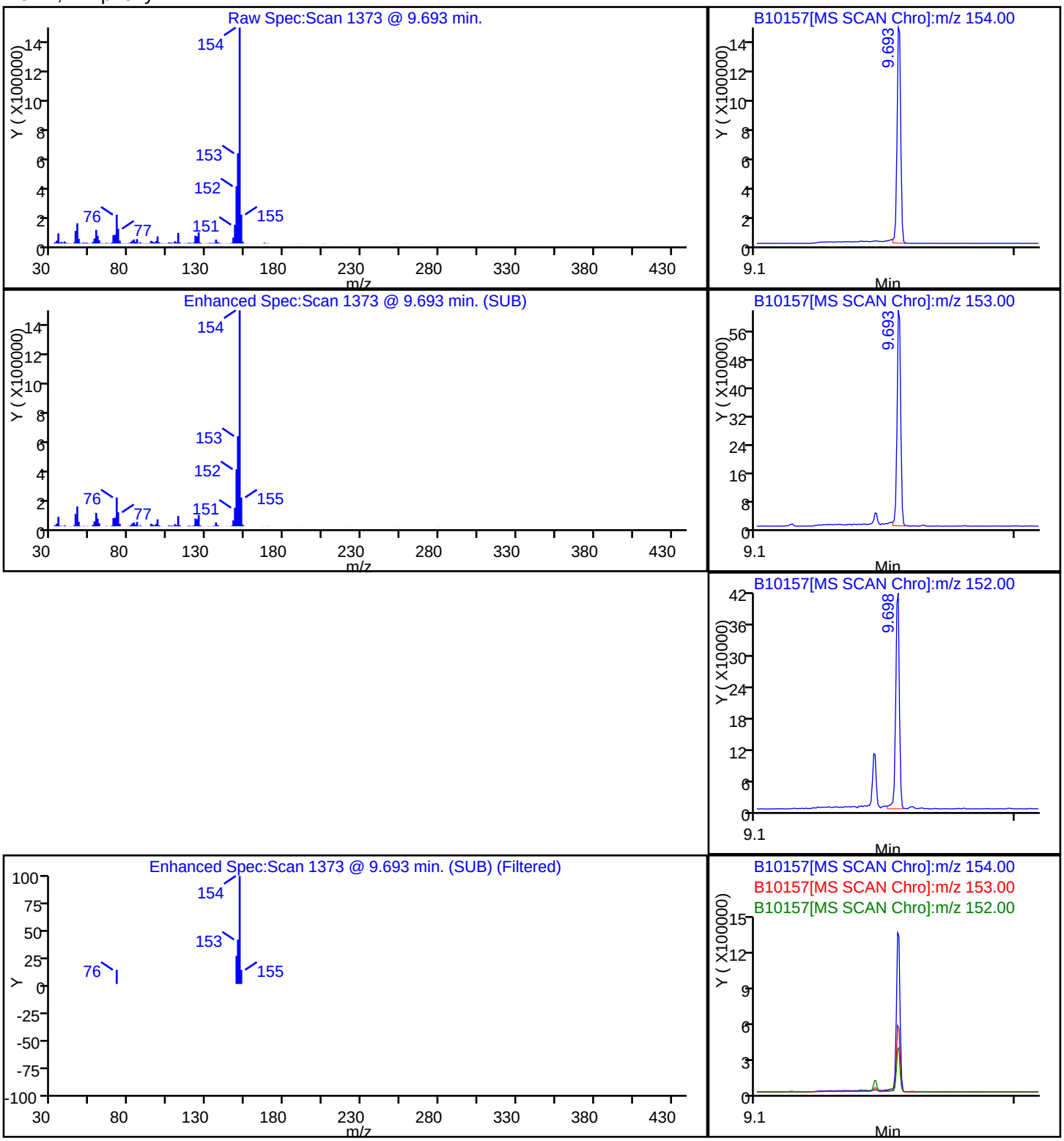
Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10157.D		
Inj Date:	10-Sep-2009 02:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	7
Client ID:	OC-SB-424-17/19-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-5-A		
Sample Amount:	2.00 uL	Operator:	MZ



Report Date: 10-Sep-2009 08:17:27 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10157.D		
Inj Date:	10-Sep-2009 02:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	7
Client ID:	OC-SB-424-17/19-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-5-A		
Sample Amount:	2.00 uL	Operator:	MZ

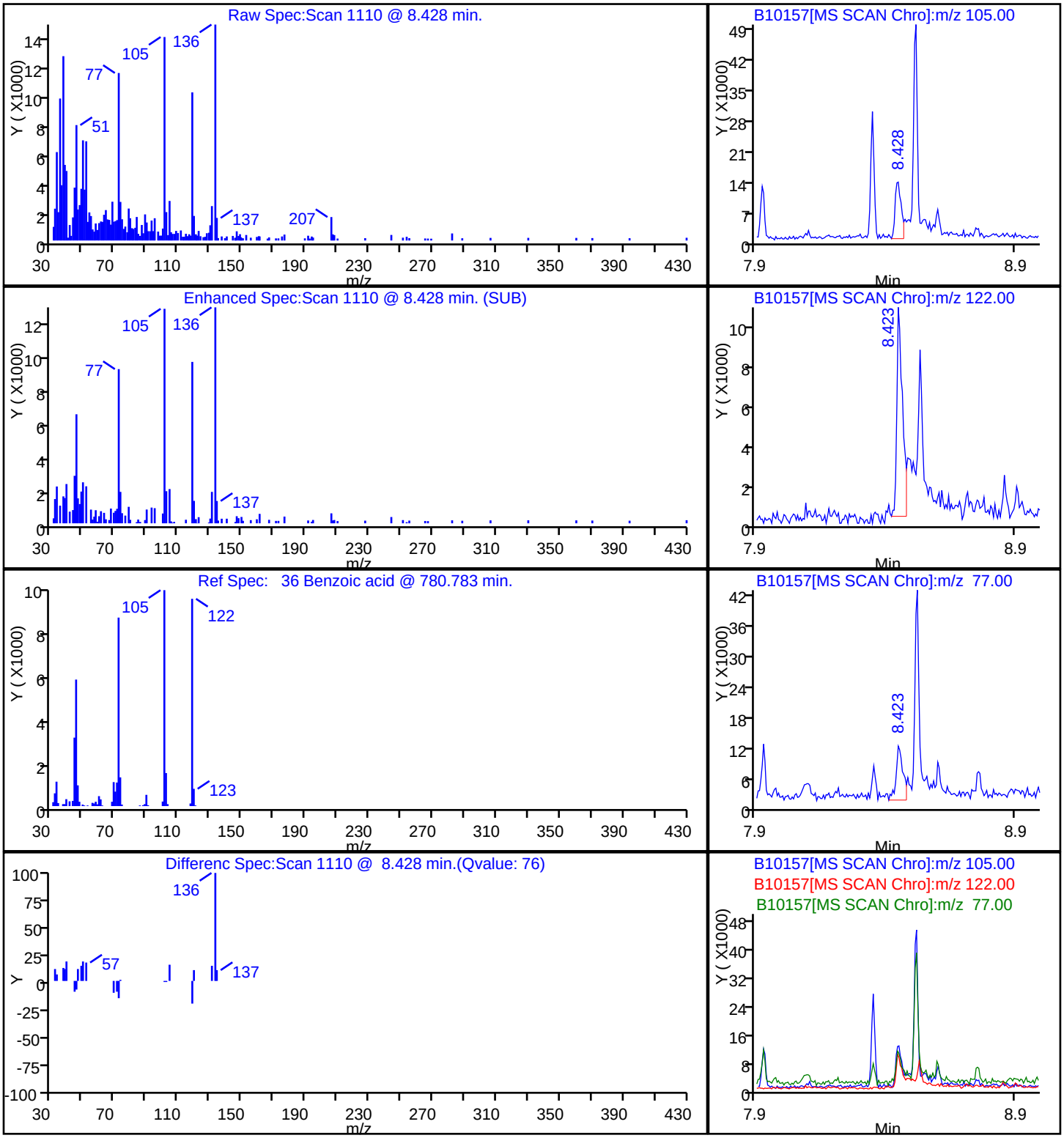
52 1,1'-Biphenyl



Report Date: 10-Sep-2009 08:17:26 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10157.D		
Inj Date:	10-Sep-2009 02:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	7
Client ID:	OC-SB-424-17/19-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-5-A		
Sample Amount:	2.00 uL	Operator:	MZ

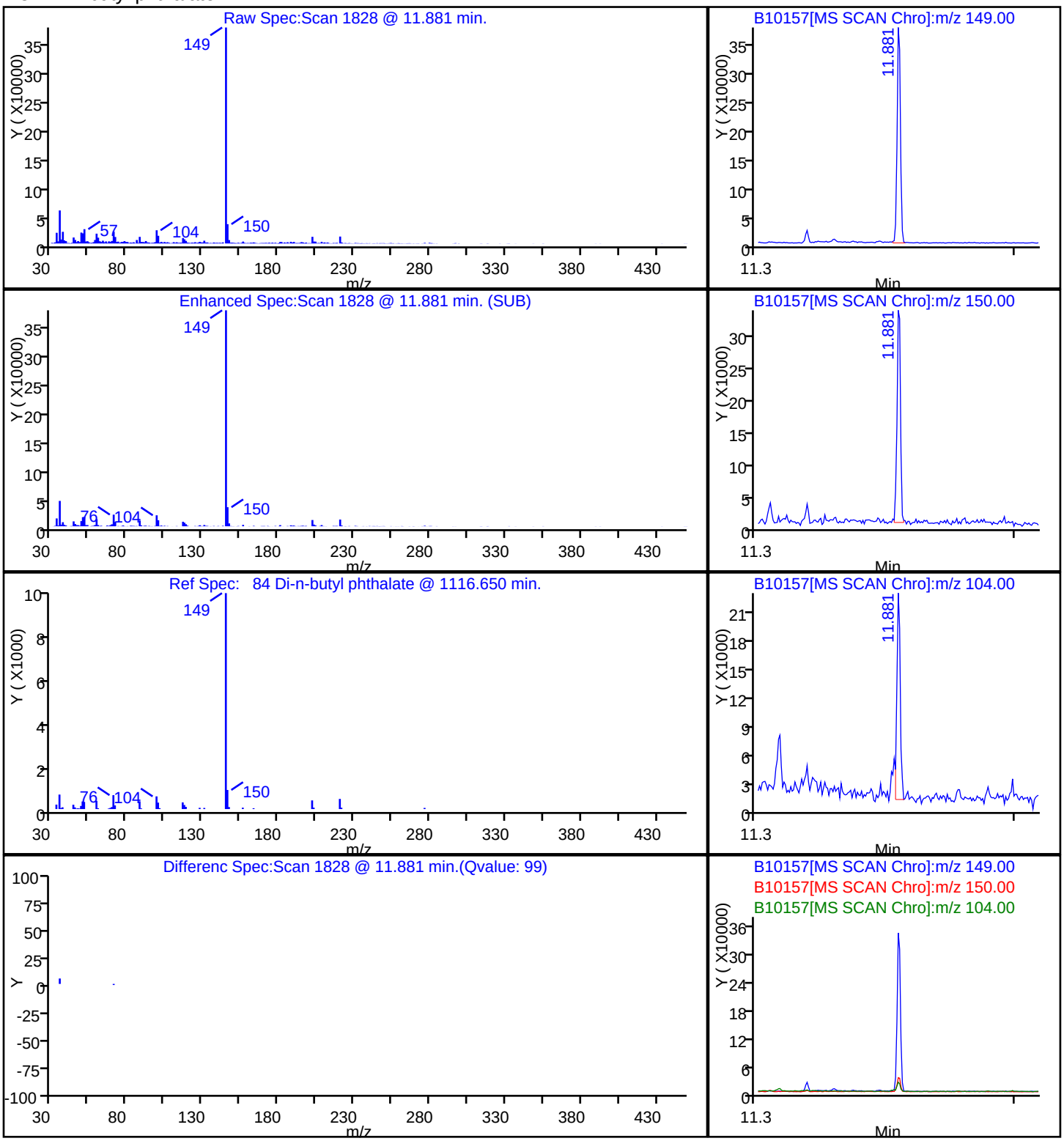
36 Benzoic acid



Report Date: 10-Sep-2009 08:17:28 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10157.D		
Inj Date:	10-Sep-2009 02:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	7
Client ID:	OC-SB-424-17/19-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-5-A		
Sample Amount:	2.00 uL	Operator:	MZ

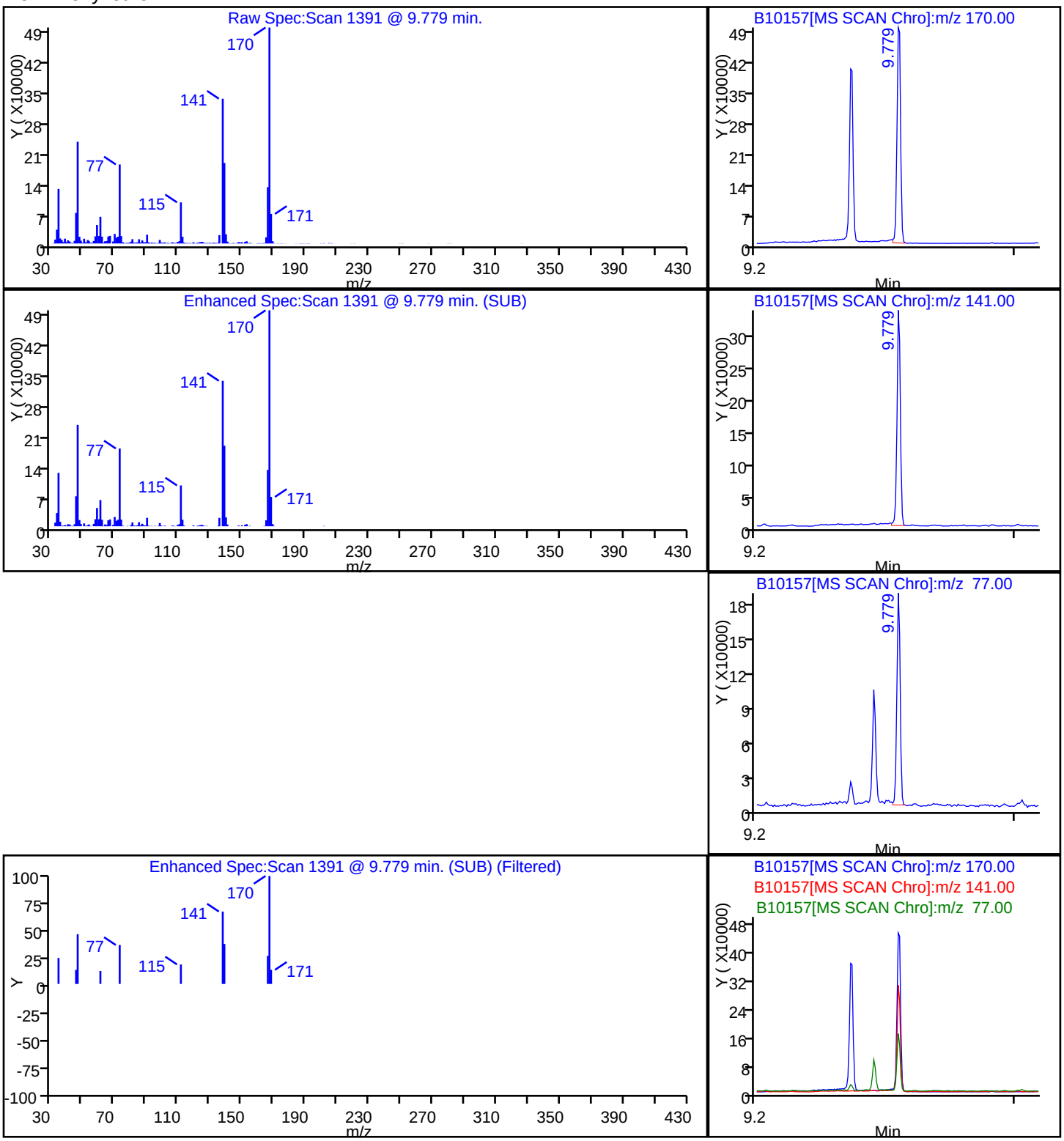
84 Di-n-butyl phthalate



Report Date: 10-Sep-2009 08:17:27 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10157.D		
Inj Date:	10-Sep-2009 02:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	7
Client ID:	OC-SB-424-17/19-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-5-A		
Sample Amount:	2.00 uL	Operator:	MZ

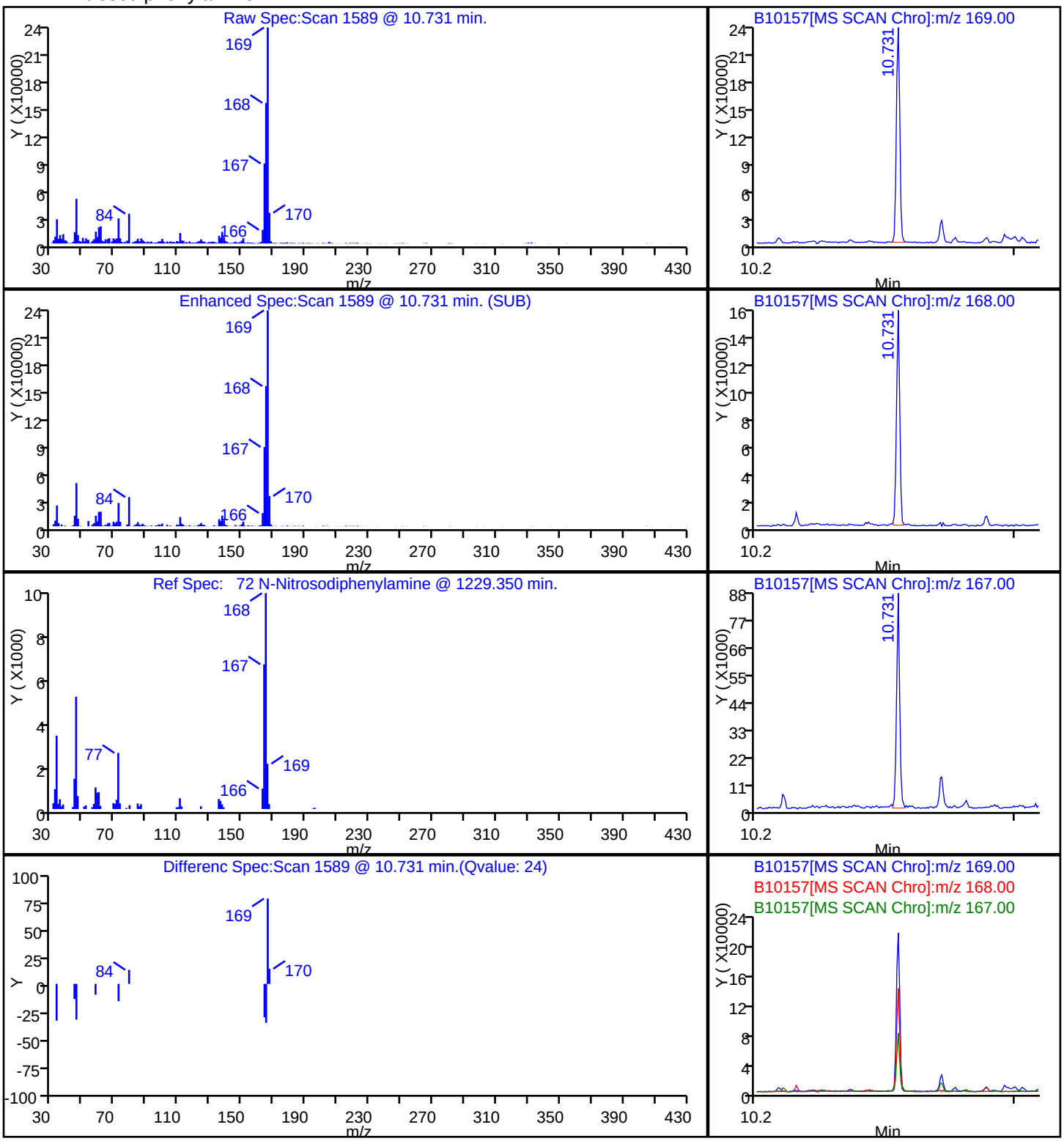
54 Phenyl ether



Report Date: 10-Sep-2009 08:17:27 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10157.D		
Inj Date:	10-Sep-2009 02:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	7
Client ID:	OC-SB-424-17/19-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-5-A		
Sample Amount:	2.00 uL	Operator:	MZ

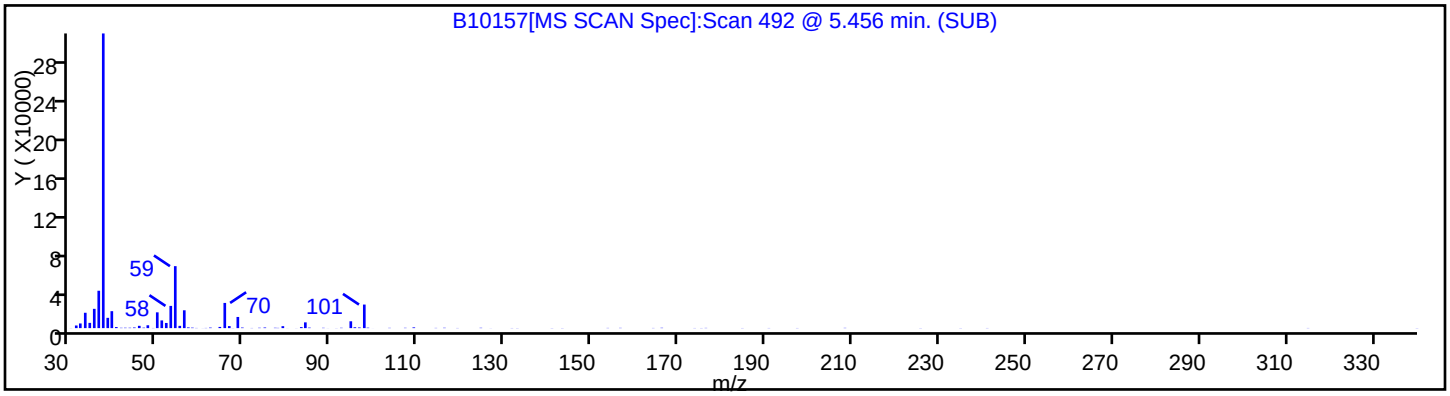
72 N-Nitrosodiphenylamine



Report Date: 10-Sep-2009 08:17:29 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10157.D		
Inj Date:	10-Sep-2009 02:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	7
Client ID:	OC-SB-424-17/19-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-5-A		
Sample Amount:	2.00 uL	Operator:	MZ

No Library Matches Found above the Threshold: 50



Report Date: 10-Sep-2009 08:17:29 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-2.b\B10157.D

Inj Date: 10-Sep-2009 02:28:30 Limit Group: SMS - 8270LL SVOA Calibration

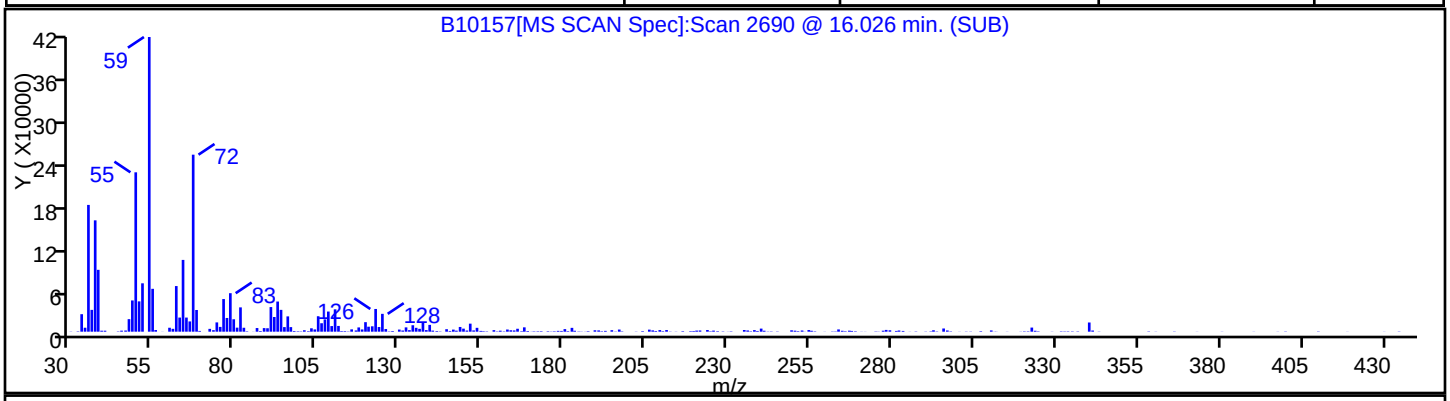
Lims Batch ID: 48751 Lims Sample ID: 7

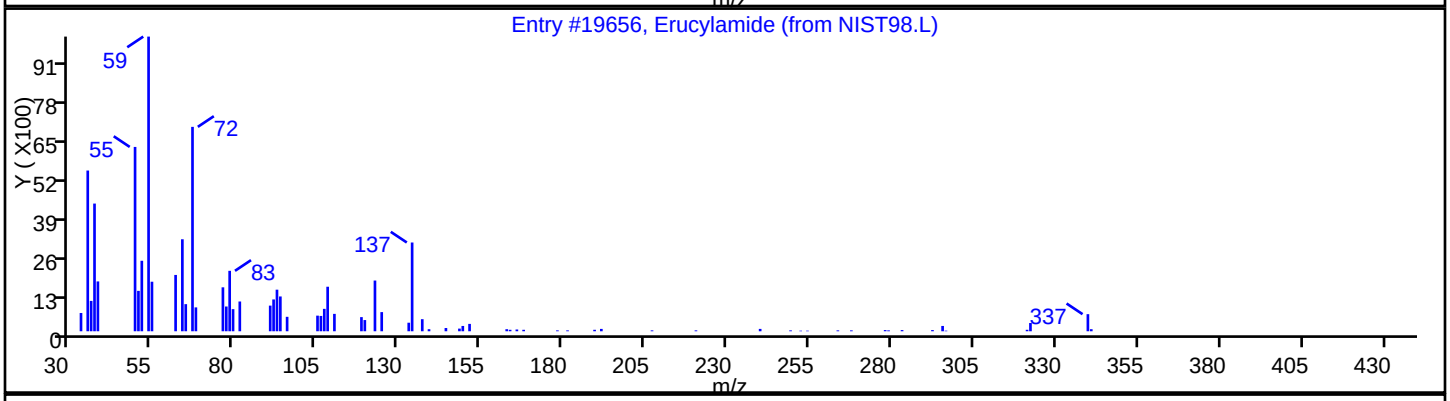
Client ID: OC-SB-424-17/19-XXX Instrument: Inst. B

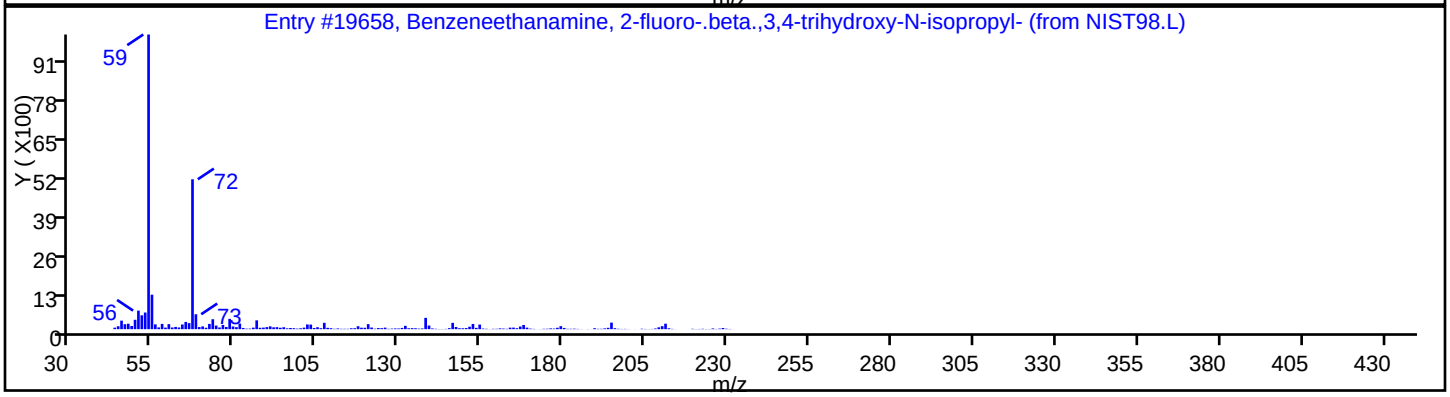
Sample Info: 360-24194-A-5-A

Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Erucylamide	112-84-5	NIST98.L	19656	90
Benzeneethanamine, 2-fluoro-.beta.,3,4-t	61338-98-5	NIST98.L	19658	64



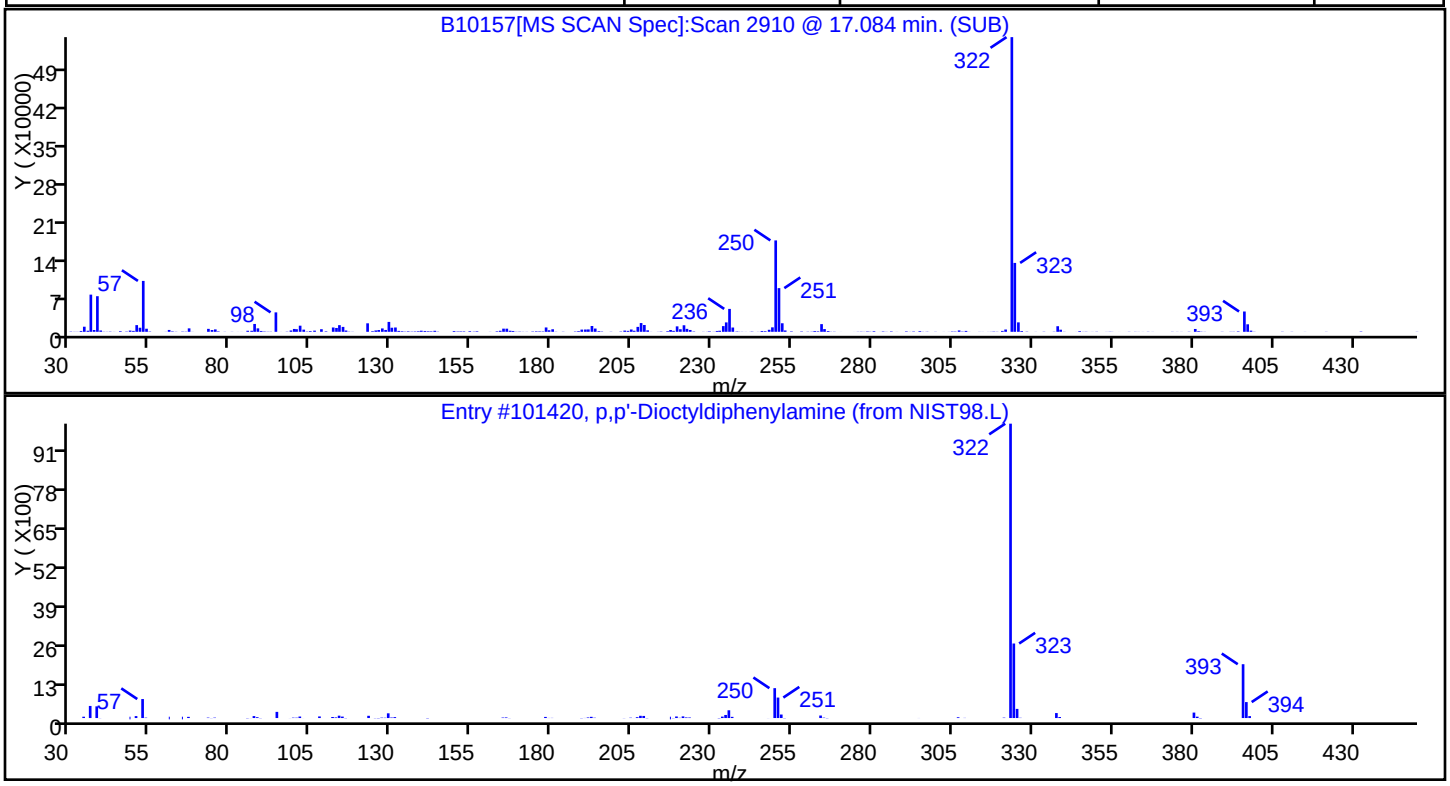




Report Date: 10-Sep-2009 08:17:29 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10157.D		
Inj Date:	10-Sep-2009 02:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	7
Client ID:	OC-SB-424-17/19-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-5-A		
Sample Amount:	2.00 uL	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
p,p'-Dioctyldiphenylamine	26603-23-6	NIST98.L	101420	97



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-424-17/19-XXX DL | Lab Sample ID: 360-24194-5 DL

Matrix: Solid | Lab File ID: B10171.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 12:35

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.59(g) | Date Analyzed: 09/10/2009 10:21

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 2

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

% Moisture: 11.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48751 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
117-81-7	Bis(2-ethylhexyl) phthalate	1100		74	23

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	85	30-130	
321-60-8	2-Fluorobiphenyl	84	30-130	
367-12-4	2-Fluorophenol	101	30-130	
4165-60-0	Nitrobenzene-d5	76	30-130	
4165-62-2	Phenol-d5	93	30-130	
1718-51-0	Terphenyl-d14	104	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10171.D		
Lims ID:	360-24194-A-5-A	Client ID:	OC-SB-424-17/19-XXX
Inject. Date:	10-Sep-2009 10:21:30	Dil. Factor:	2.0000
Sample Type:	Client Sample		
Sample ID:	360-24194-A-5-A		
Misc. Info.:	360-0001117-021		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	100
Lims Batch ID:	48751	Lims Sample ID:	21
Detector:	MS SCAN		

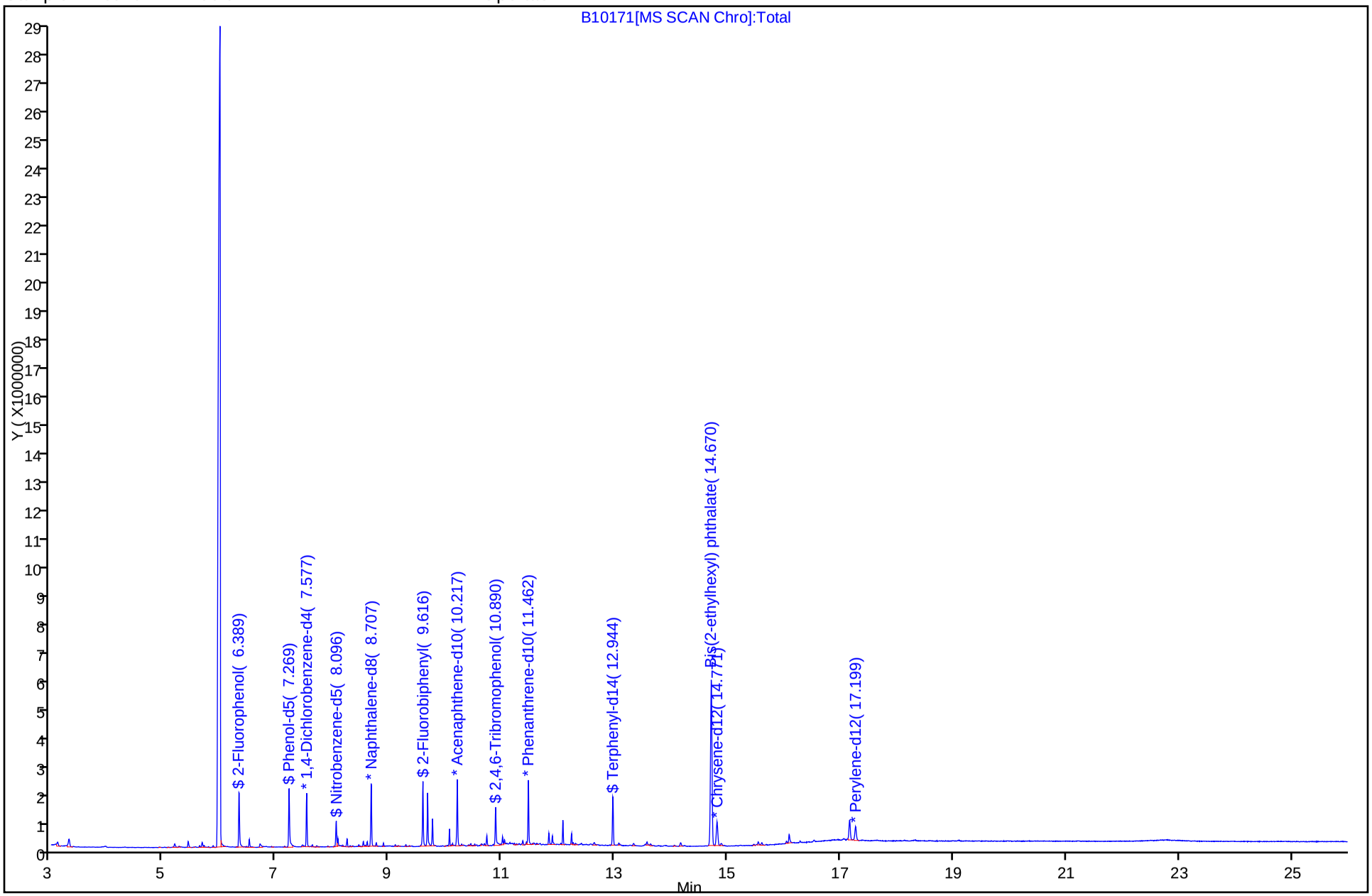
Method:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\8270B.m		
Last Update:	10-Sep-2009 11:22:42	Calib Date:	09-Sep-2009 21:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10149.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	10-Sep-2009 11:22:40

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.577	7.574	0.003	473043	2.00	
* 2 Naphthalene-d8	136	8.707	8.705	0.002	1127801	2.00	
* 3 Acenaphthene-d10	164	10.217	10.215	0.002	542099	2.00	
* 4 Phenanthrene-d10	188	11.462	11.461	0.001	894316	2.00	
* 5 Chrysene-d12	240	14.771	14.760	0.011	581364	2.00	
* 6 Perylene-d12	264	17.199	17.183	0.016	302002	2.00	
$ 7 2-Fluorophenol	112	6.394	6.359	0.035	603438	5.04	
$ 8 Phenol-d5	99	7.269	7.253	0.016	747150	4.67	
$ 9 Nitrobenzene-d5	82	8.096	8.090	0.006	302607	1.91	
$ 10 2-Fluorobiphenyl	172	9.616	9.614	0.002	741638	2.10	
$ 11 2,4,6-Tribromophenol	330	10.890	10.884	0.006	130266	4.27	
$ 12 Terphenyl-d14	244	12.944	12.942	0.002	570455	2.59	
92 Bis(2-ethylhexyl) phthalate	149	14.670	14.663	0.007	3089058	15.2	

Report Date: 10-Sep-2009 11:22:43 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10171.D		
Inj Date:	10-Sep-2009 10:21:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	21
Client ID:	OC-SB-424-17/19-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-5-A		
Sample Amount:	2.00 uL	Operator:	MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-425-18/20-XXX | Lab Sample ID: 360-24194-8

Matrix: Solid | Lab File ID: B10161.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 10:25

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.43(g) | Date Analyzed: 09/10/2009 04:43

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

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

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

Analysis Batch No.: 48751 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	150		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	5.5
95-57-8	2-Chlorophenol	ND		35	3.5
91-57-6	2-Methylnaphthalene	ND		35	27
95-48-7	2-Methylphenol	ND		35	5.1
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	9.1
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	9.5
100-02-7	4-Nitrophenol	ND		180	6.9
83-32-9	Acenaphthene	ND		35	5.2
208-96-8	Acenaphthylene	ND		35	6.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-425-18/20-XXX | Lab Sample ID: 360-24194-8

Matrix: Solid | Lab File ID: B10161.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 10:25

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.43(g) | Date Analyzed: 09/10/2009 04:43

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

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

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

Analysis Batch No.: 48751 | 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	62		35	11
85-68-7	Butyl benzyl phthalate	ND		35	7.8
105-60-2	Caprolactam	ND		35	11
86-74-8	Carbazole	ND		35	35
218-01-9	Chrysene	ND		35	7.7
53-70-3	Dibenz(a,h)anthracene	ND		35	7.2
132-64-9	Dibenzofuran	ND		35	21
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	24	J B	35	11
117-84-0	Di-n-octyl phthalate	ND		35	10
101-84-8	Diphenyl oxide	64		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	7.1
77-47-4	Hexachlorocyclopentadiene	ND		71	9.7
67-72-1	Hexachloroethane	ND		35	6.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-425-18/20-XXX | Lab Sample ID: 360-24194-8

Matrix: Solid | Lab File ID: B10161.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 10:25

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.43(g) | Date Analyzed: 09/10/2009 04:43

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

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

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

Analysis Batch No.: 48751 | 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	79
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	170		35	7.1
87-86-5	Pentachlorophenol	ND		35	7.3
85-01-8	Phenanthrene	ND		43	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	87	30-130	
321-60-8	2-Fluorobiphenyl	77	30-130	
367-12-4	2-Fluorophenol	80	30-130	
4165-60-0	Nitrobenzene-d5	76	30-130	
4165-62-2	Phenol-d5	79	30-130	
1718-51-0	Terphenyl-d14	96	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: OC-SB-425-18/20-XXX | Lab Sample ID: 360-24194-8

Matrix: Solid | Lab File ID: B10161.D

Analysis Method: 8270C LL | Date Collected: 08/19/2009 10:25

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.43(g) | Date Analyzed: 09/10/2009 04:43

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

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

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

Analysis Batch No.: 48751 | Units: ug/Kg

Number TICs Found: 8 | TIC Result Total: 1795

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	11.82	88	T J
1560-89-0	Heptadecane, 2-methyl-	13.54	50	T J N
	Unknown	13.72	60	T J
629-99-2	Pentacosane	14.13	52	T J N
630-1-3	Hexacosane	14.85	46	T J N
7225-64-1	Heptadecane, 9-octyl-	15.49	49	T J N
112-84-5	Erucylamide	16.02	150	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	17.09	1300	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D		
Lims ID:	360-24194-A-8-A	Client ID:	OC-SB-425-18/20-XXX
Inject. Date:	10-Sep-2009 04:43:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24194-A-8-A		
Misc. Info.:	360-0001117-011		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	22
Lims Batch ID:	48751	Lims Sample ID:	11
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\8270B.m		
Last Update:	10-Sep-2009 08:37:57	Calib Date:	09-Sep-2009 21:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10149.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	10-Sep-2009 08:37:57

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.575	7.574	0.001	467922	2.00	M
* 2 Naphthalene-d8	136	8.705	8.705	0.000	929523	2.00	
* 3 Acenaphthene-d10	164	10.215	10.215	0.000	514313	2.00	
* 4 Phenanthrene-d10	188	11.461	11.461	0.000	918560	2.00	
* 5 Chrysene-d12	240	14.764	14.760	0.004	711468	2.00	
* 6 Perylene-d12	264	17.188	17.183	0.005	447481	2.00	
$ 7 2-Fluorophenol	112	6.392	6.359	0.033	949987	8.03	
$ 8 Phenol-d5	99	7.263	7.253	0.010	1251907	7.92	
$ 9 Nitrobenzene-d5	82	8.095	8.090	0.005	499720	3.82	
$ 10 2-Fluorobiphenyl	172	9.614	9.614	0.000	1286942	3.84	
$ 11 2,4,6-Tribromophenol	330	10.888	10.884	0.004	296618	8.71	
$ 12 Terphenyl-d14	244	12.942	12.942	0.000	1292007	4.80	
30 Acetophenone	105	7.945	7.946	-0.001	17362	0.0921	
41 Naphthalene	128	8.725	8.725	0.000	5053	0.0137	
52 1,1'-Biphenyl	154	9.696	9.696	0.000	1601180	4.34	
54 Phenyl ether	170	9.782	9.783	-0.001	298211	1.81	
66 Diethyl phthalate	149	10.537	10.538	-0.001	11476	0.0355	
71 Diphenylamine	169	10.730	10.730	0.000	1381150	4.65	
72 N-Nitrosodiphenylamine	169	10.730	10.730	0.000	1381150	4.65	
84 Di-n-butyl phthalate	149	11.884	11.884	0.000	385865	0.6860	
85 Pyrene	202	12.567	12.567	0.000	6367	0.0149	
87 Fluoranthene	202	12.826	12.826	0.000	6269	0.0140	
89 Butyl benzyl phthalate	149	13.605	13.596	0.009	29232	0.1451	
92 Bis(2-ethylhexyl) phthalate	149	14.663	14.663	0.000	433906	1.74	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D		
Lims ID:	360-24194-A-8-A	Client ID:	OC-SB-425-18/20-XXX
Inject. Date:	10-Sep-2009 04:43:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24194-A-8-A		
Misc. Info.:	360-0001117-011		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	22
Lims Batch ID:	48751	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\8270B.m		
Last Update:	10-Sep-2009 08:37:57	Calib Date:	09-Sep-2009 21:58:30
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:	10-Sep-2009 08:37:57

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Pentachloronitrobenzene	11.384	217	0.0490	
Alpha-Terpineol	8.691	1506	0.0152	
1,2-Diphenylhydrazine	10.730	149318	0.4617	
Benzidine	12.663	868	0.4447	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
11.821	2879925	2.49	4			
1560-89-0		Heptadecane, 2-methyl-				
13.543	2444205	1.40	5	97	109565	
		Unknown				
13.721	2965332	1.70	5			
629-99-2		Pentacosane				
14.130	2574206	1.48	5	98	17109	
630-1-3		Hexacosane				
14.846	2269918	1.30	5	97	17117	
7225-64-1		Heptadecane, 9-octyl-				
15.491	2384537	1.37	5	98	16434	
112-84-5		Erucylamide				
16.024	2769525	4.21	6	81	19656	
26603-23-6		p,p'-Dioctyldiphenylamine				
17.092	23652854	35.9	6	98	101420	

Report Date: 10-Sep-2009 08:37:58 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D
Quantitation Compounds

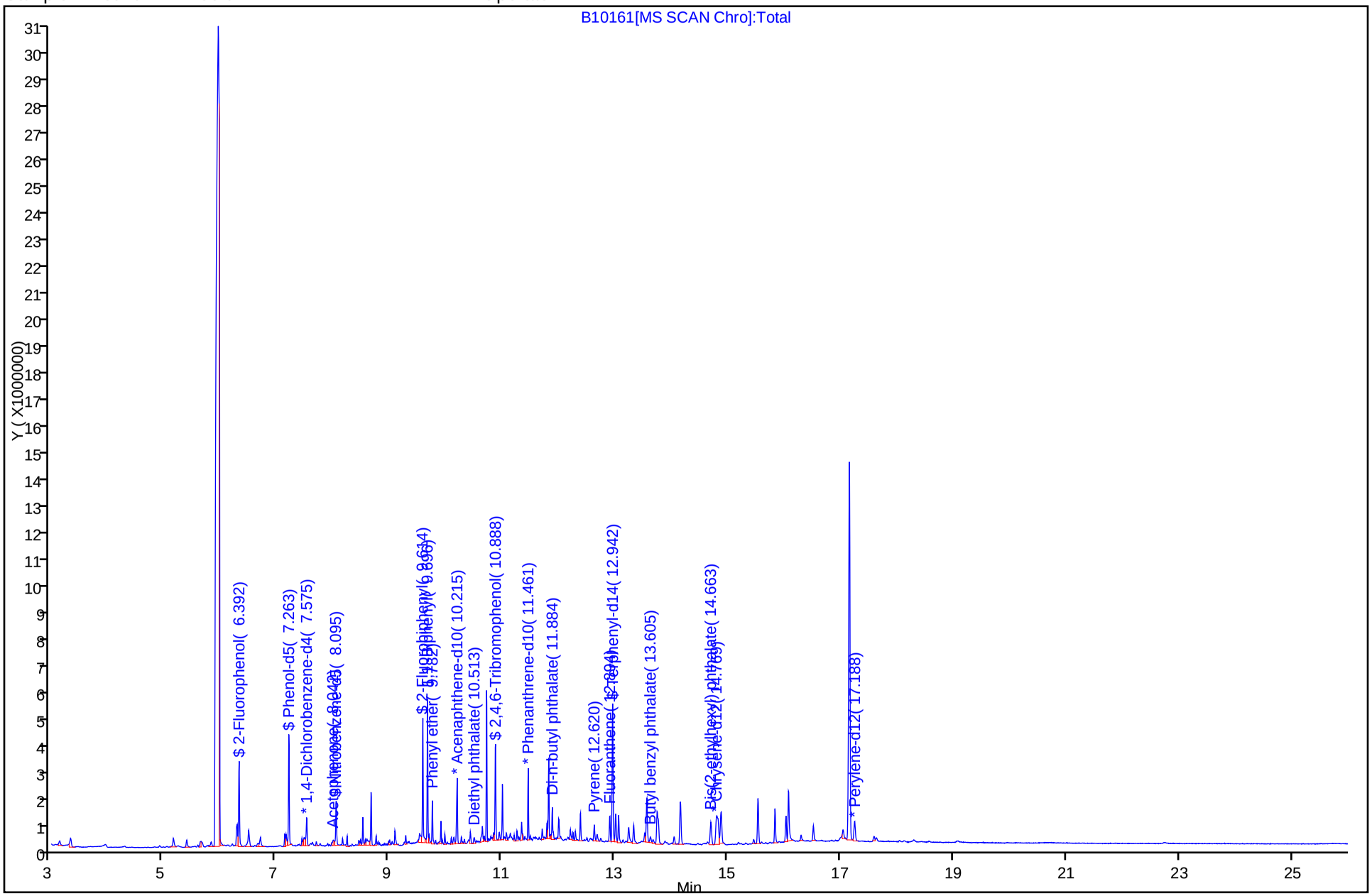
Compound	RT	Response	Amount ug/mL
* 4 Phenanthrene-d10	11.461	2314430	2.00
* 5 Chrysene-d12	14.769	3483751	2.00
* 6 Perylene-d12	17.188	1316661	2.00

QC Flag Legend

Processing Flags

Report Date: 10-Sep-2009 08:37:58 Chrom Revision: 1.0.2009.827

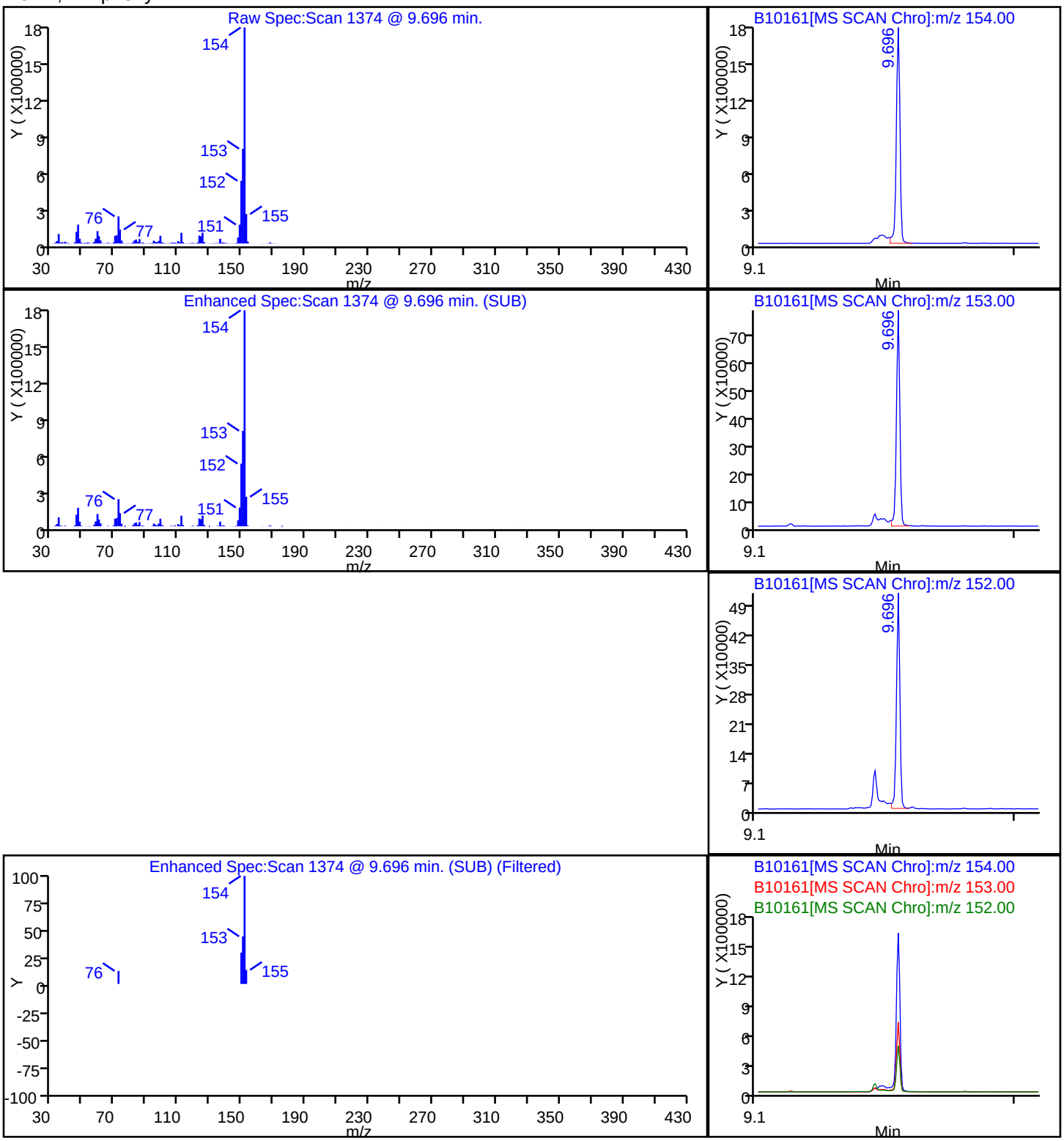
Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D		
Inj Date:	10-Sep-2009 04:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	11
Client ID:	OC-SB-425-18/20-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-8-A		
Sample Amount:	2.00 uL	Operator:	MZ



Report Date: 10-Sep-2009 08:37:59 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D		
Inj Date:	10-Sep-2009 04:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	11
Client ID:	OC-SB-425-18/20-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-8-A		
Sample Amount:	2.00 uL	Operator:	MZ

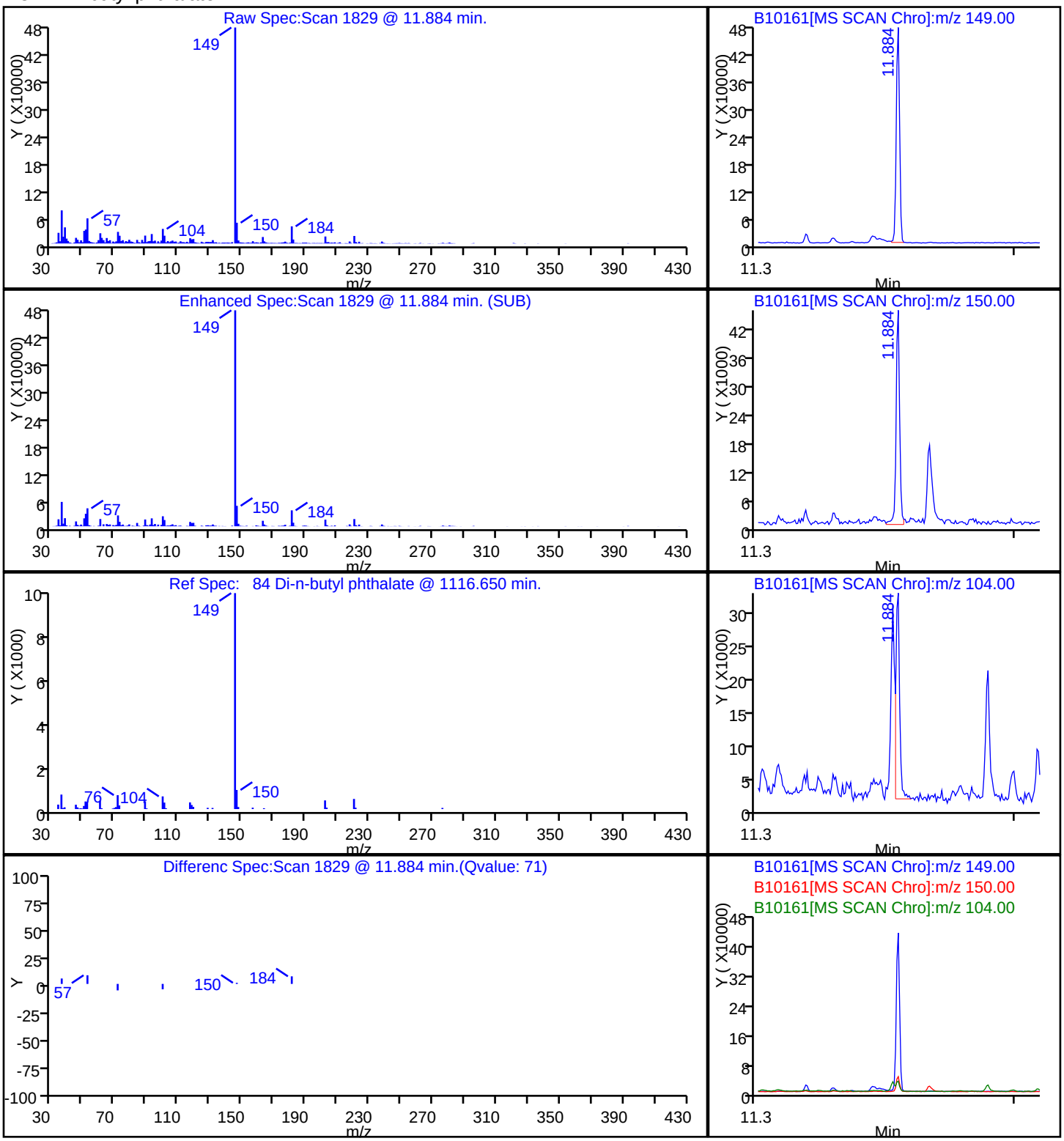
52 1,1'-Biphenyl



Report Date: 10-Sep-2009 08:38:01 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D		
Inj Date:	10-Sep-2009 04:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	11
Client ID:	OC-SB-425-18/20-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-8-A		
Sample Amount:	2.00 uL	Operator:	MZ

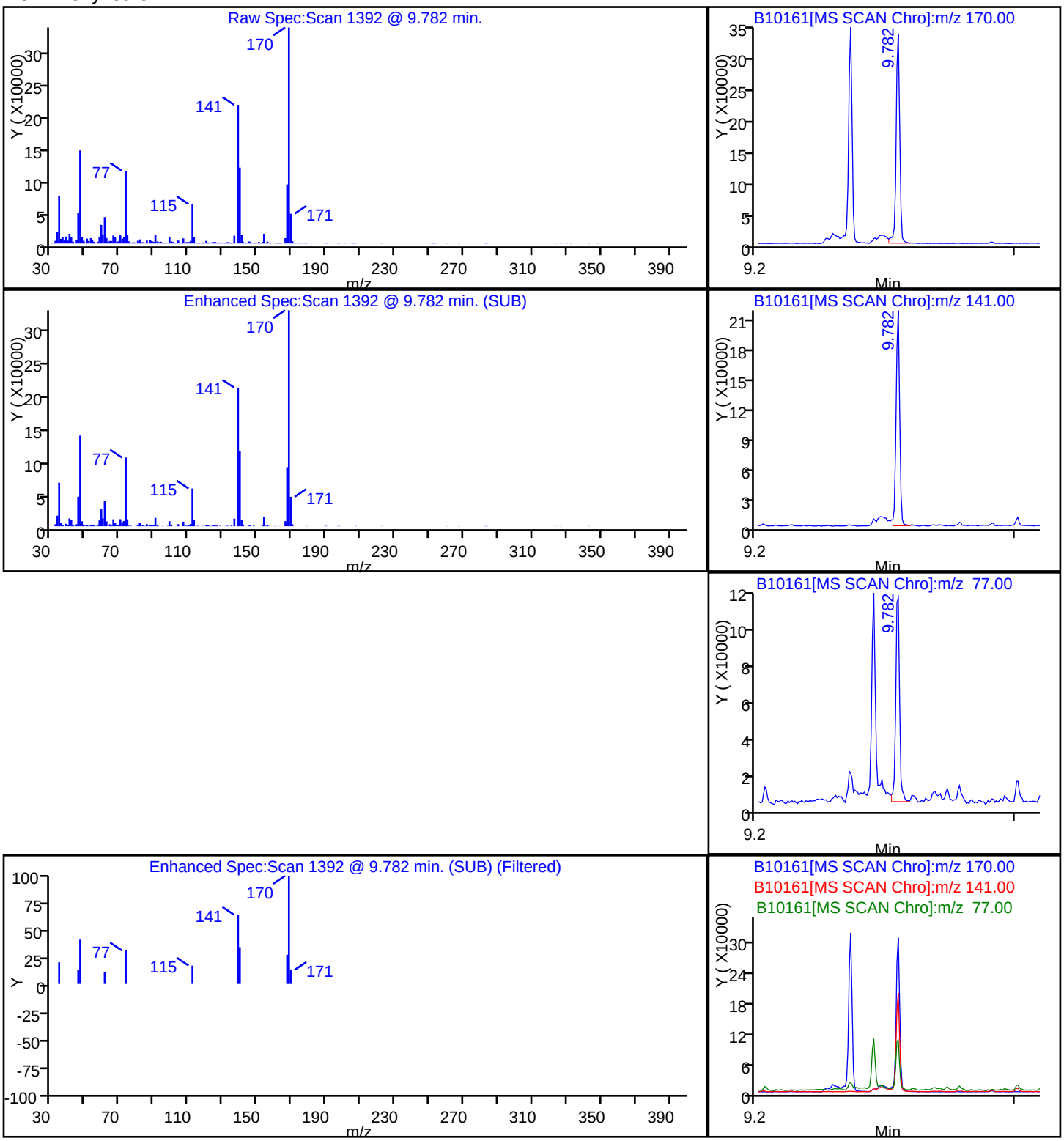
84 Di-n-butyl phthalate



Report Date: 10-Sep-2009 08:37:59 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D		
Inj Date:	10-Sep-2009 04:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	11
Client ID:	OC-SB-425-18/20-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-8-A		
Sample Amount:	2.00 uL	Operator:	MZ

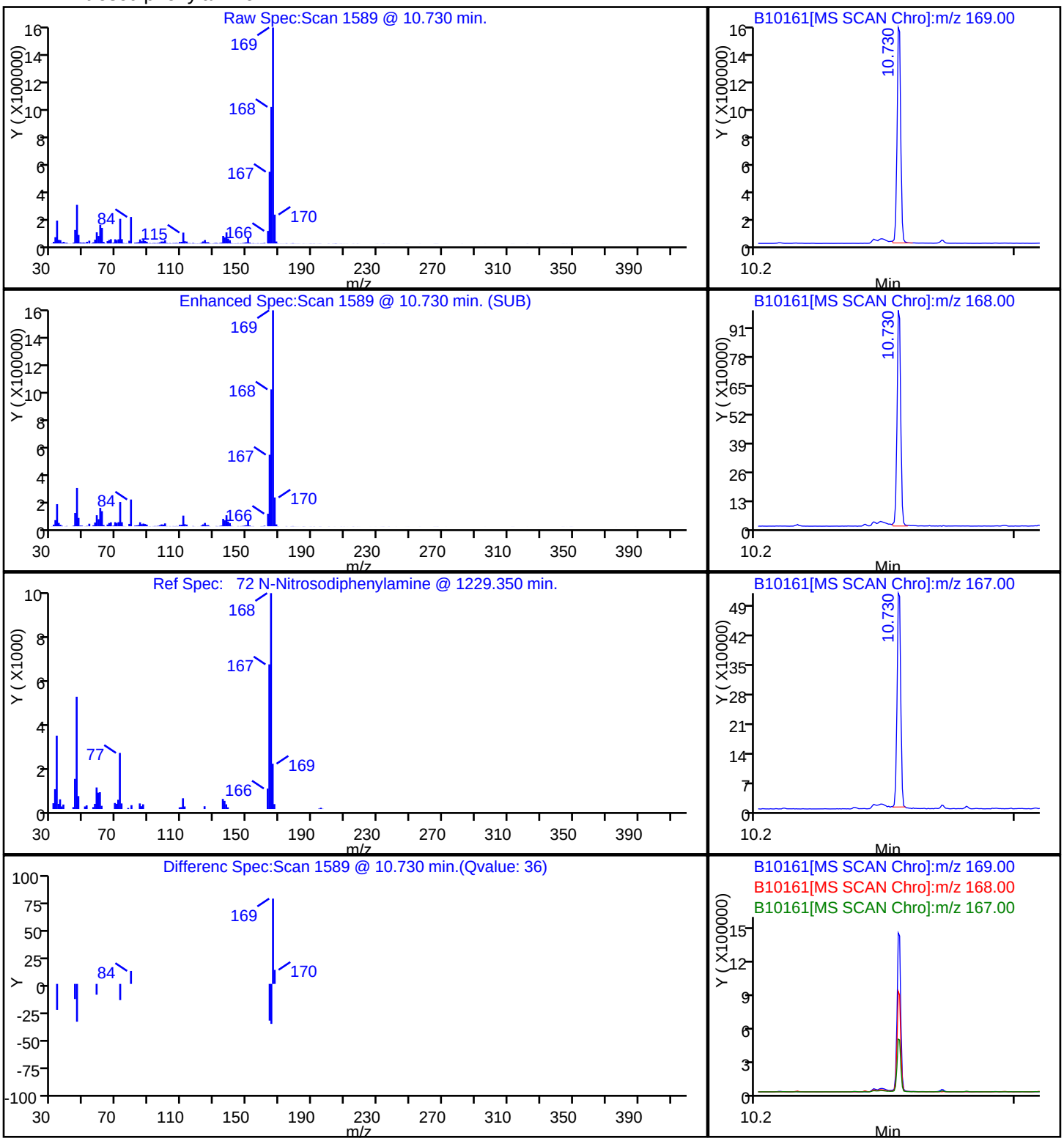
54 Phenyl ether



Report Date: 10-Sep-2009 08:38:00 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D		
Inj Date:	10-Sep-2009 04:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	11
Client ID:	OC-SB-425-18/20-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-8-A		
Sample Amount:	2.00 uL	Operator:	MZ

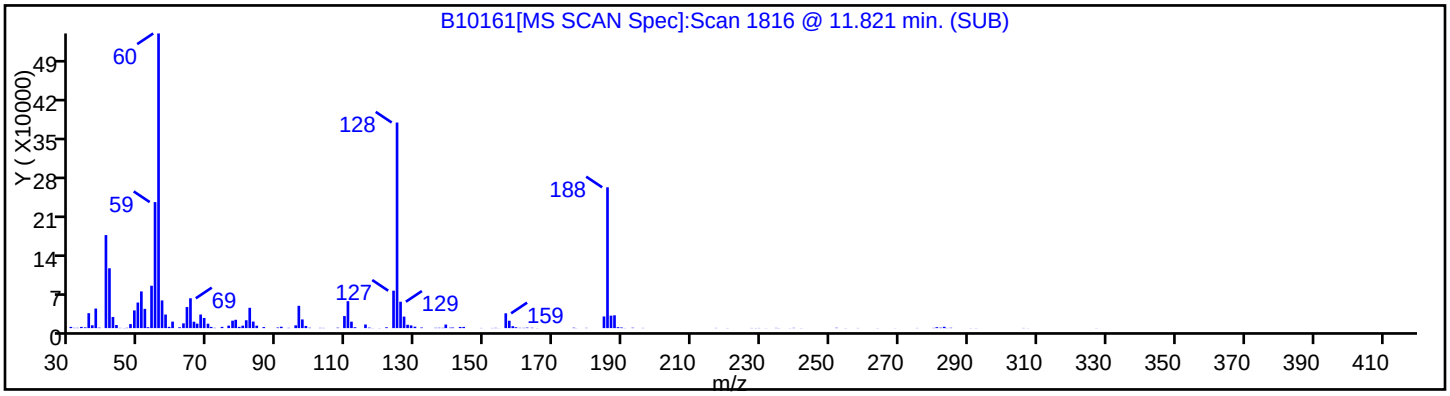
72 N-Nitrosodiphenylamine



Report Date: 10-Sep-2009 08:38:02 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D		
Inj Date:	10-Sep-2009 04:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	11
Client ID:	OC-SB-425-18/20-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-8-A		
Sample Amount:	2.00 uL	Operator:	MZ

No Library Matches Found above the Threshold: 50



Report Date: 10-Sep-2009 08:38:02 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D

Inj Date: 10-Sep-2009 04:43:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48751 Lims Sample ID: 11

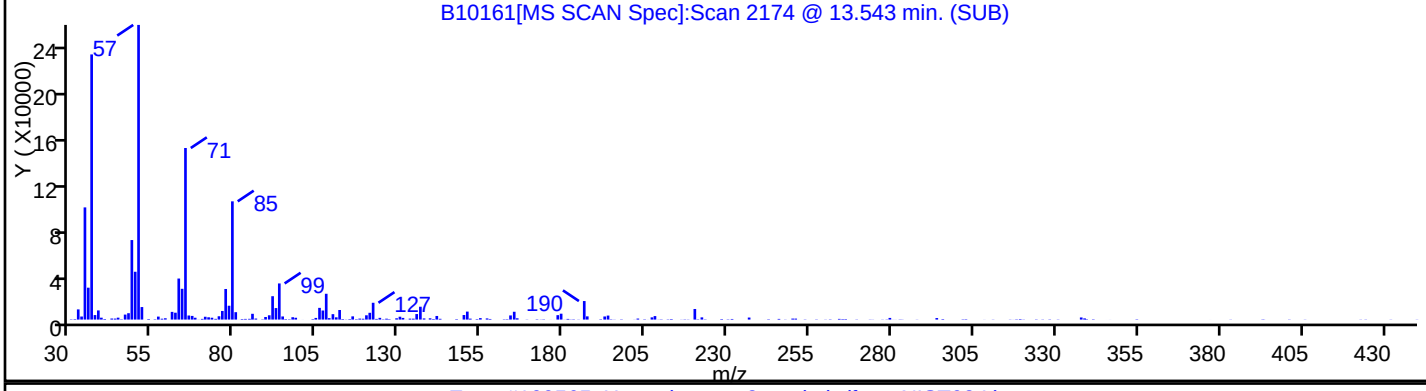
Client ID: OC-SB-425-18/20-XXX Instrument: Inst. B

Sample Info: 360-24194-A-8-A

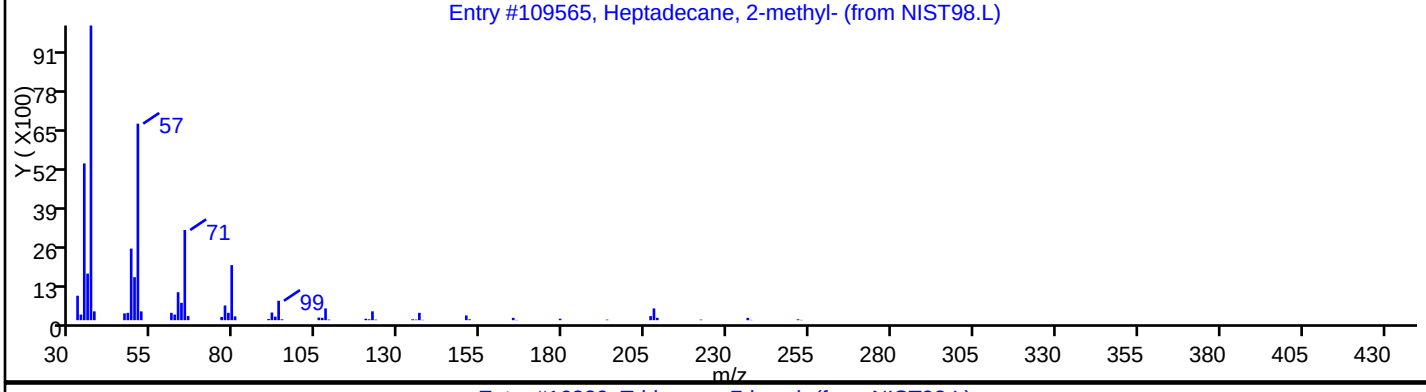
Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane, 2-methyl-	1560-89-0	NIST98.L	109565	97
Tridecane, 7-hexyl-	7225-66-3	NIST98.L	16229	93
Octadecane, 2-methyl-	1560-88-9	NIST98.L	109628	93

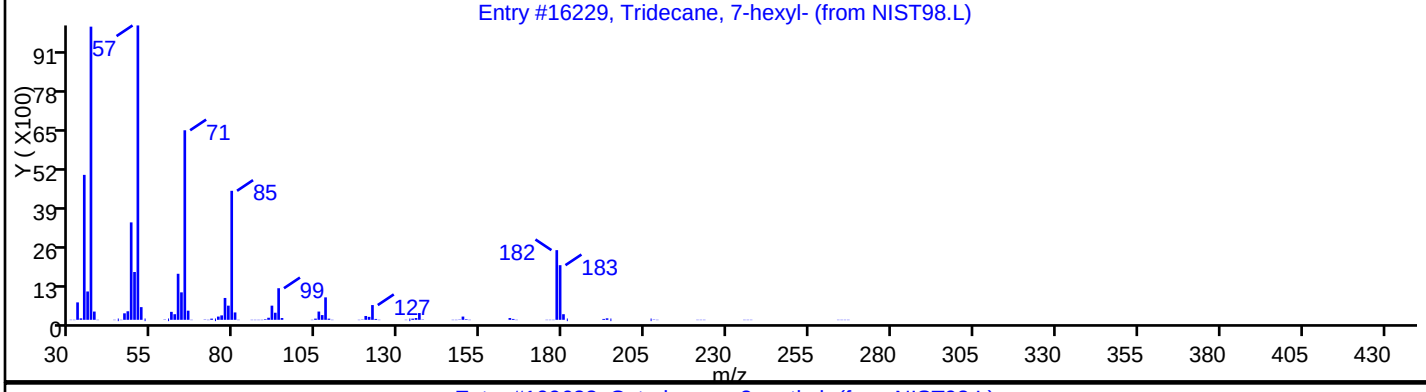
B10161[MS SCAN Spec]:Scan 2174 @ 13.543 min. (SUB)



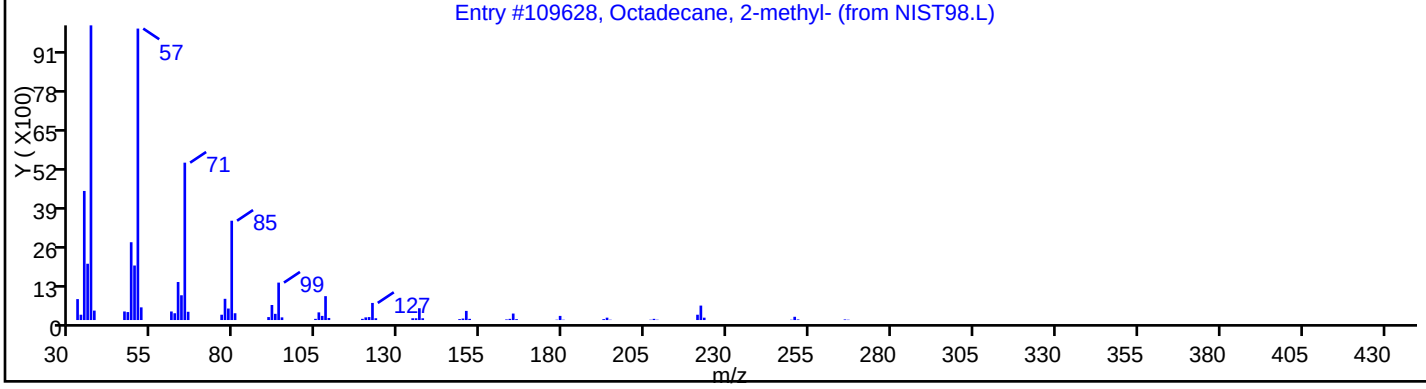
Entry #109565, Heptadecane, 2-methyl- (from NIST98.L)



Entry #16229, Tridecane, 7-hexyl- (from NIST98.L)



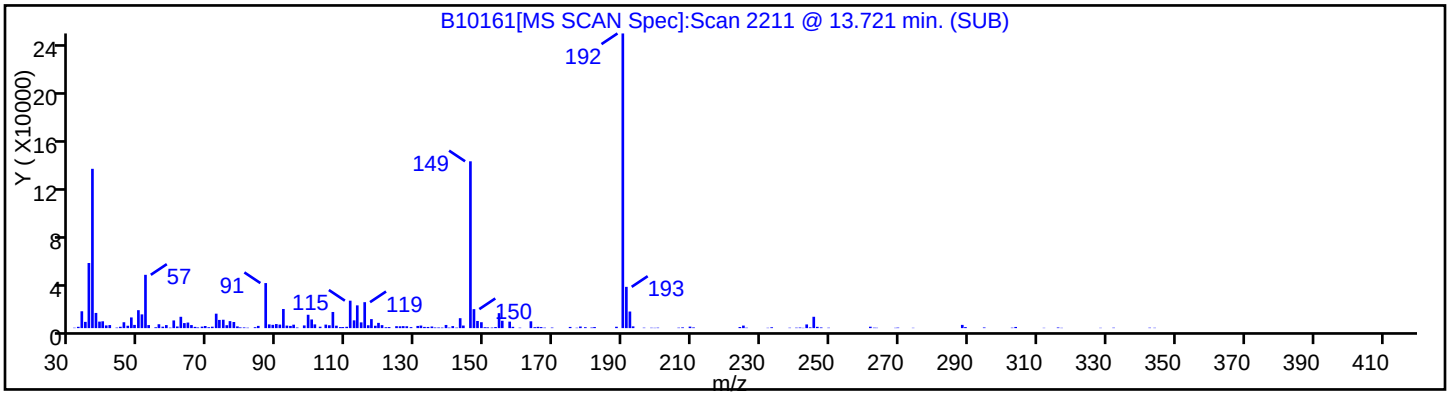
Entry #109628, Octadecane, 2-methyl- (from NIST98.L)



Report Date: 10-Sep-2009 08:38:02 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D		
Inj Date:	10-Sep-2009 04:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	11
Client ID:	OC-SB-425-18/20-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-8-A		
Sample Amount:	2.00 uL	Operator:	MZ

No Library Matches Found above the Threshold: 50



Report Date: 10-Sep-2009 08:38:02 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D

Inj Date: 10-Sep-2009 04:43:30 Limit Group: SMS - 8270LL SVOA Calibration

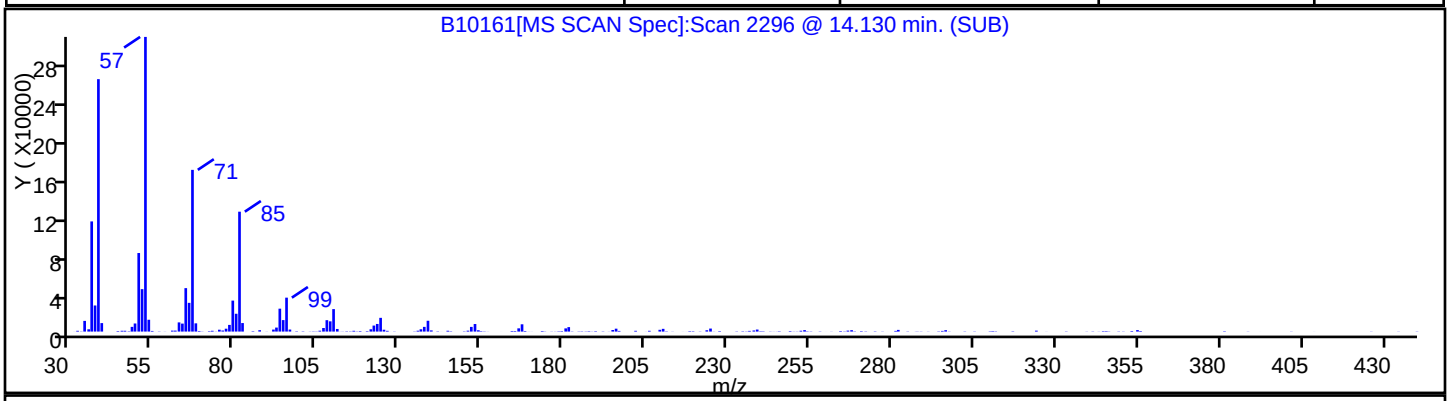
Lims Batch ID: 48751 Lims Sample ID: 11

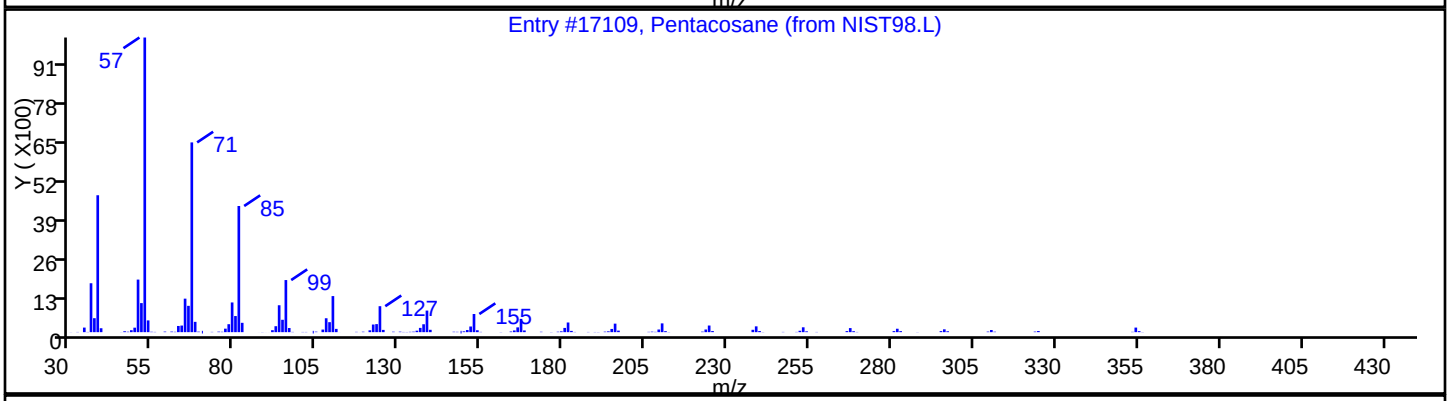
Client ID: OC-SB-425-18/20-XXX Instrument: Inst. B

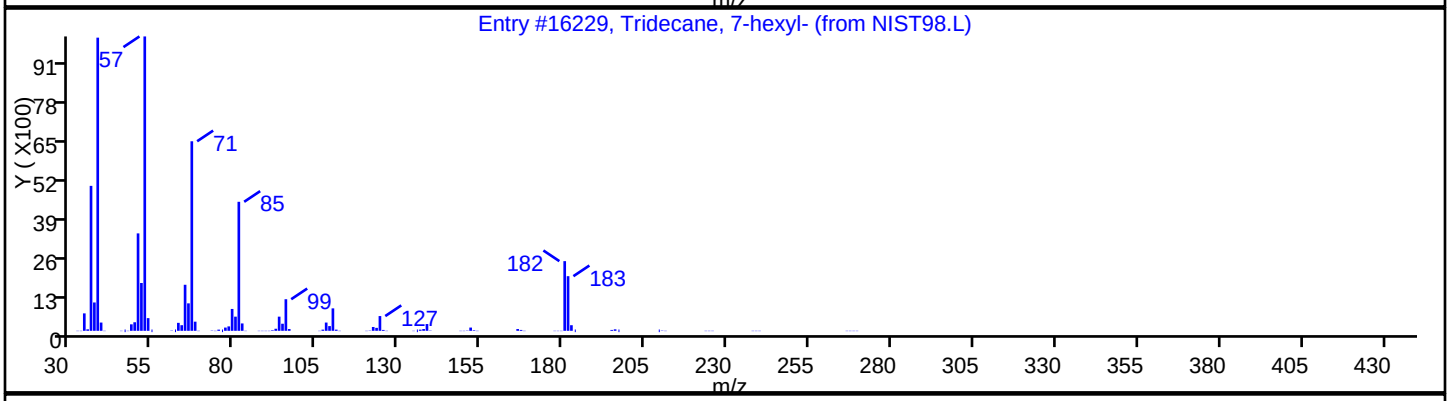
Sample Info: 360-24194-A-8-A

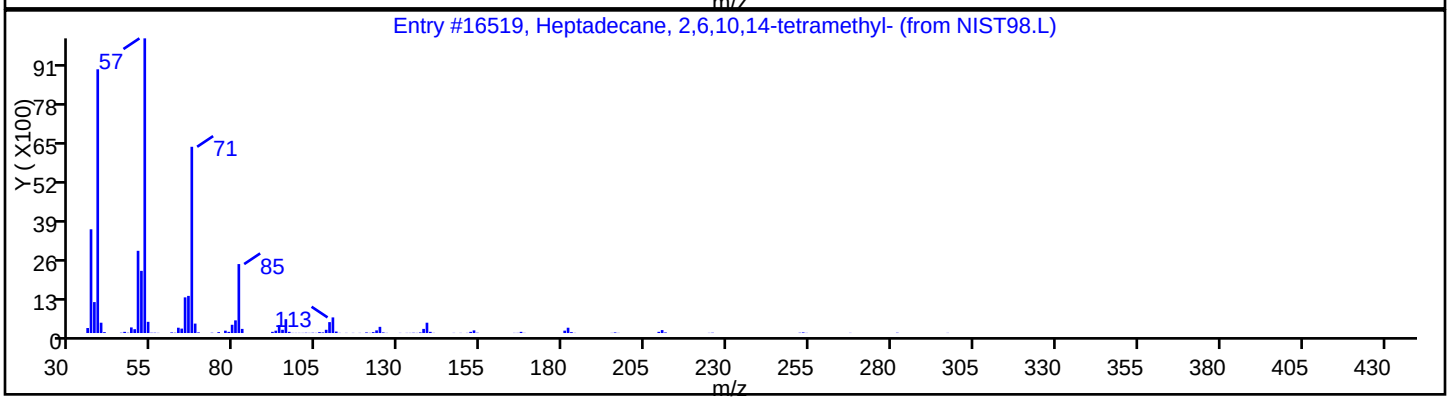
Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentacosane	629-99-2	NIST98.L	17109	98
Tridecane, 7-hexyl-	7225-66-3	NIST98.L	16229	97
Heptadecane, 2,6,10,14-tetramethyl-	18344-37-1	NIST98.L	16519	92









Report Date: 10-Sep-2009 08:38:02 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D

Inj Date: 10-Sep-2009 04:43:30 Limit Group: SMS - 8270LL SVOA Calibration

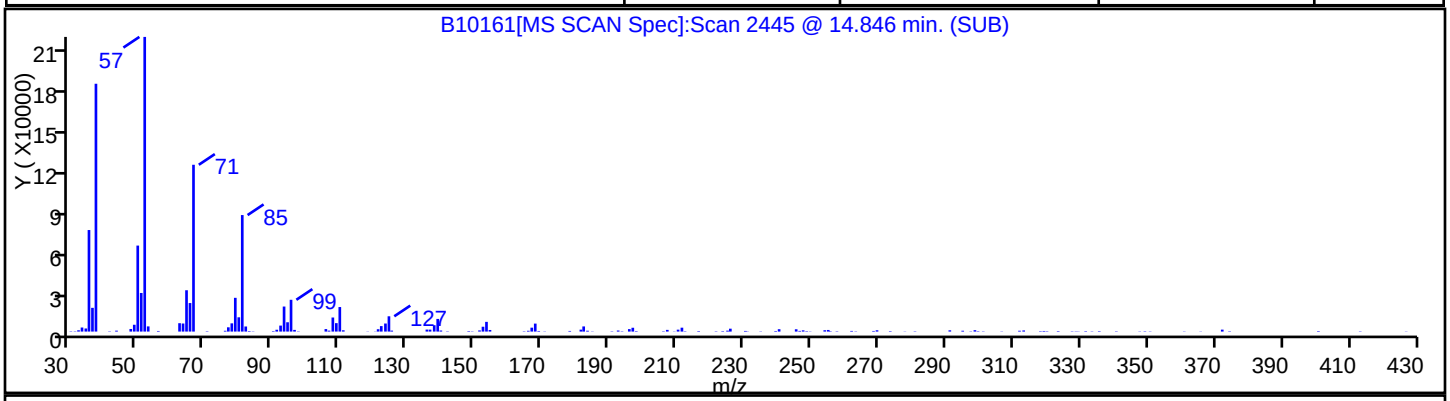
Lims Batch ID: 48751 Lims Sample ID: 11

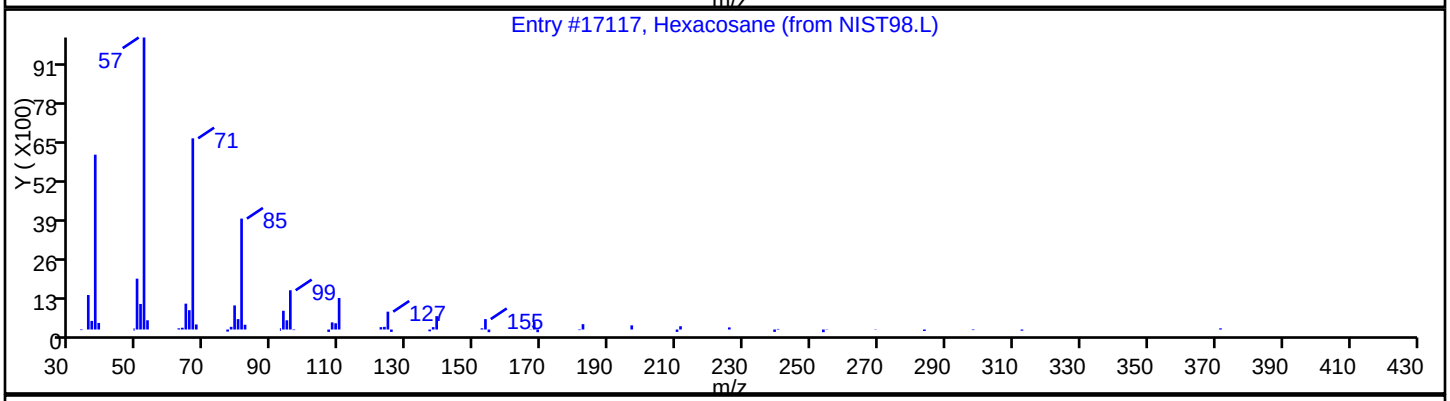
Client ID: OC-SB-425-18/20-XXX Instrument: Inst. B

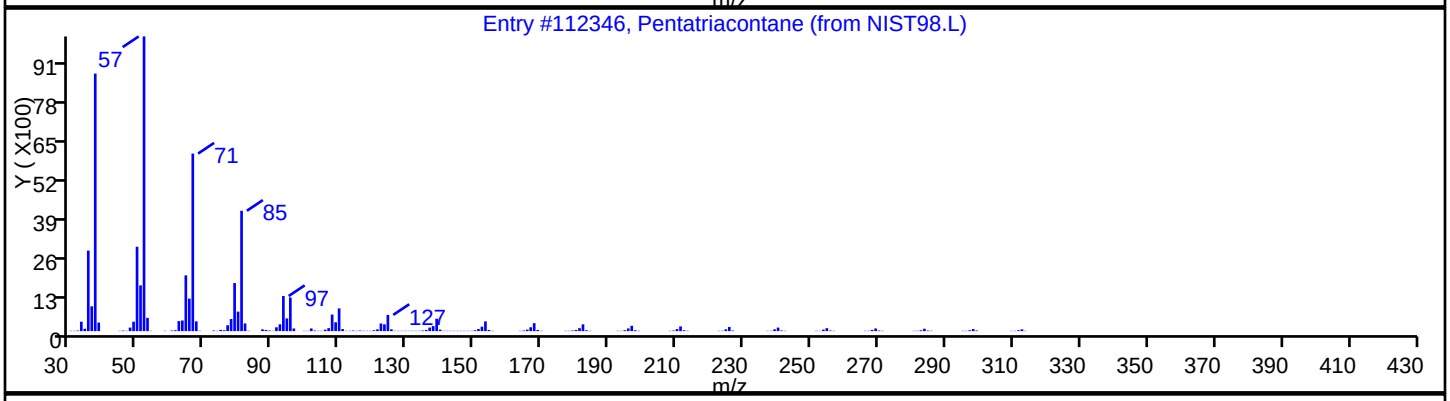
Sample Info: 360-24194-A-8-A

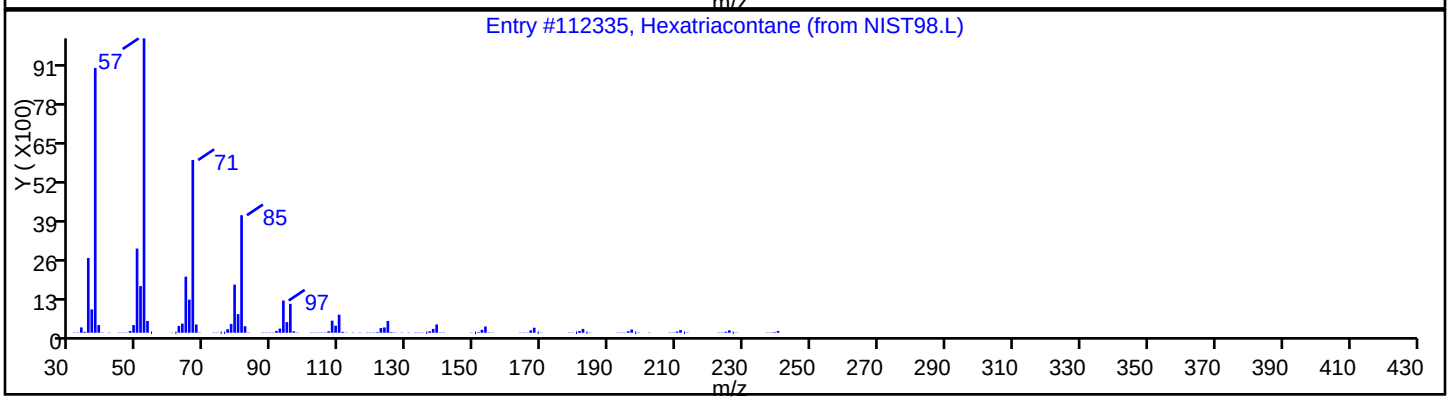
Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexacosane	630-1-3	NIST98.L	17117	97
Pentatriacontane	630-7-9	NIST98.L	112346	95
Hexatriacontane	630-6-8	NIST98.L	112335	95









Report Date: 10-Sep-2009 08:38:02 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D

Inj Date: 10-Sep-2009 04:43:30 Limit Group: SMS - 8270LL SVOA Calibration

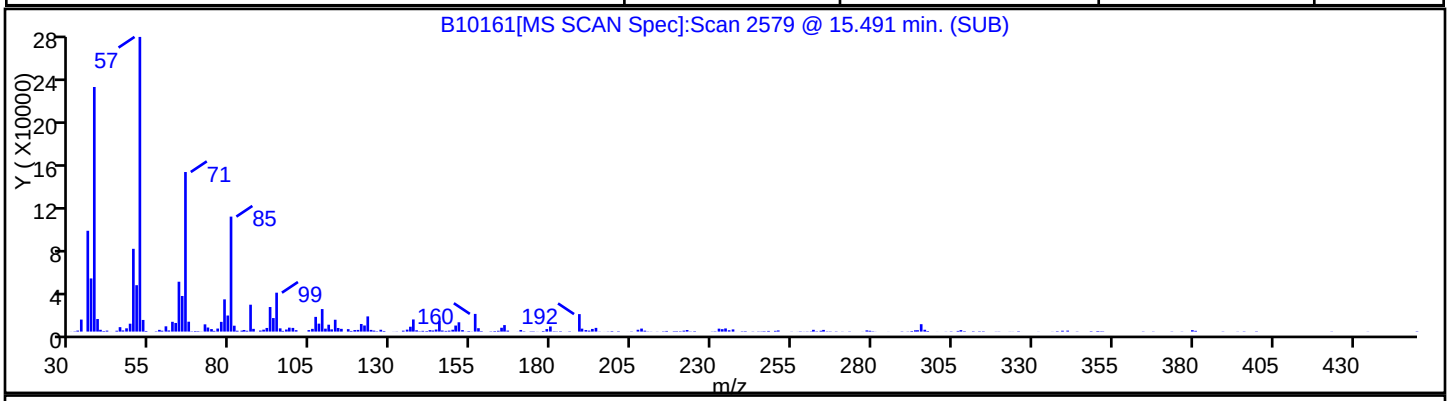
Lims Batch ID: 48751 Lims Sample ID: 11

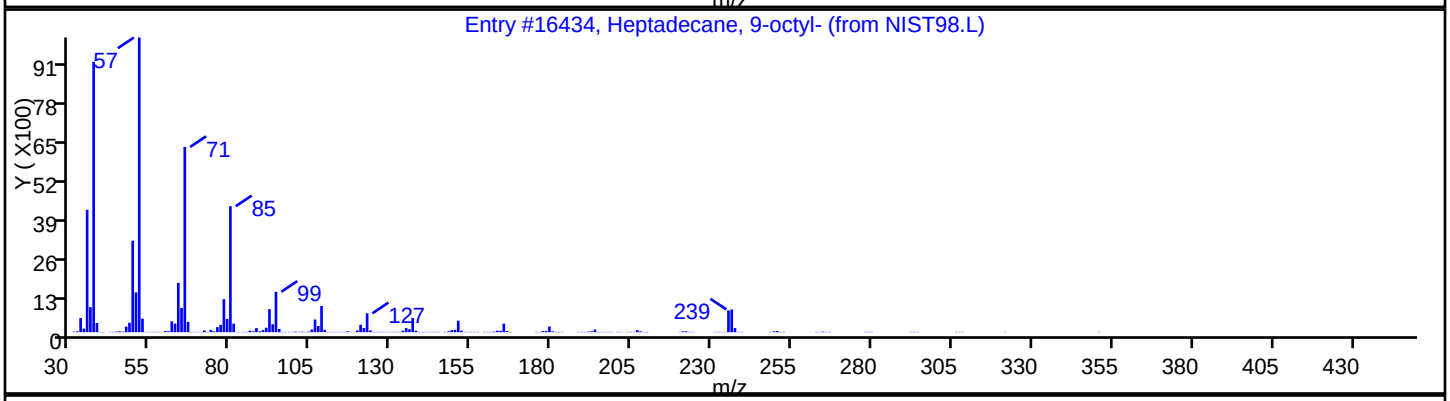
Client ID: OC-SB-425-18/20-XXX Instrument: Inst. B

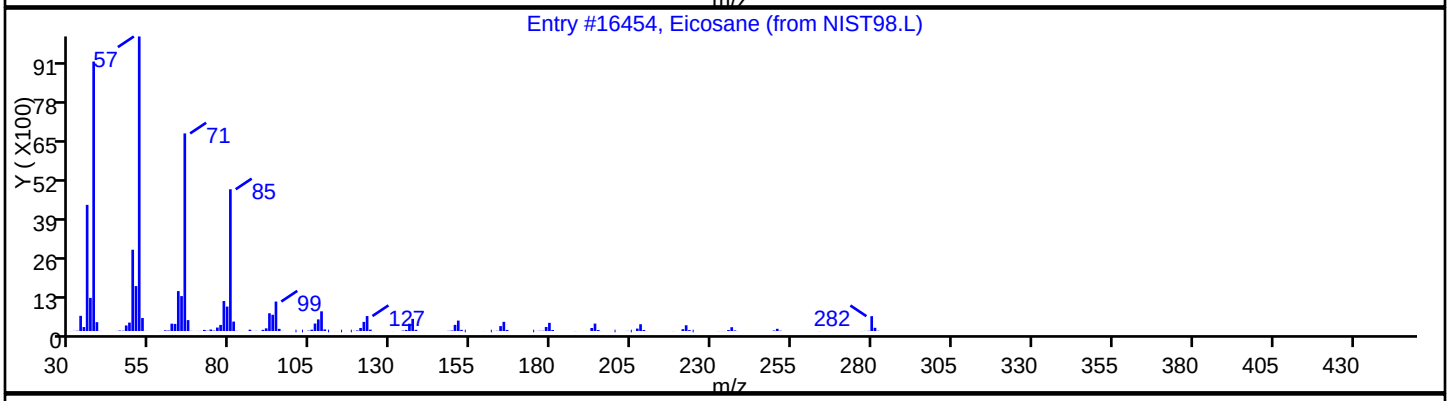
Sample Info: 360-24194-A-8-A

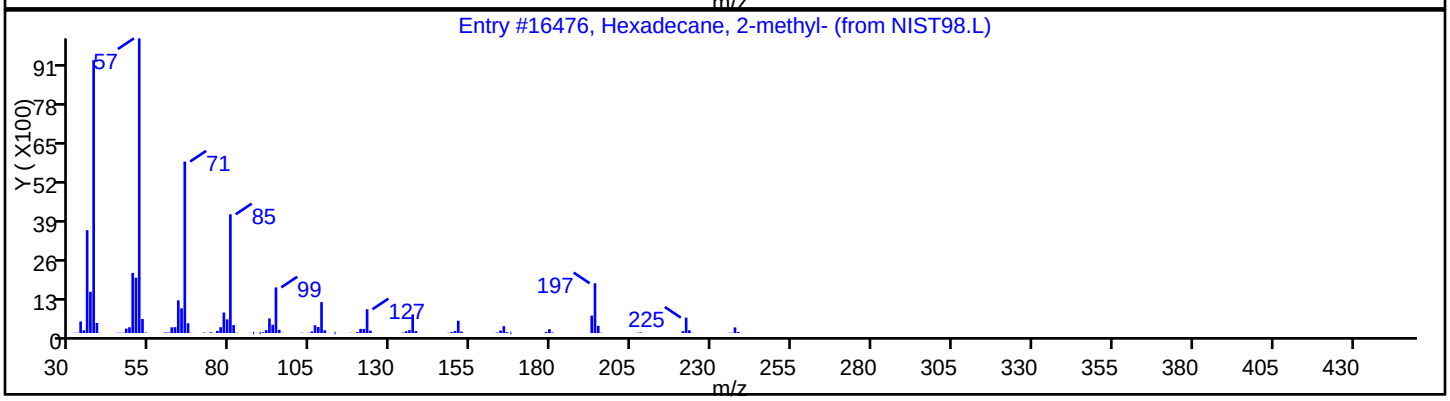
Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane, 9-octyl-	7225-64-1	NIST98.L	16434	98
Eicosane	112-95-8	NIST98.L	16454	97
Hexadecane, 2-methyl-	1560-92-5	NIST98.L	16476	93









Report Date: 10-Sep-2009 08:38:02 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D

Inj Date: 10-Sep-2009 04:43:30 Limit Group: SMS - 8270LL SVOA Calibration

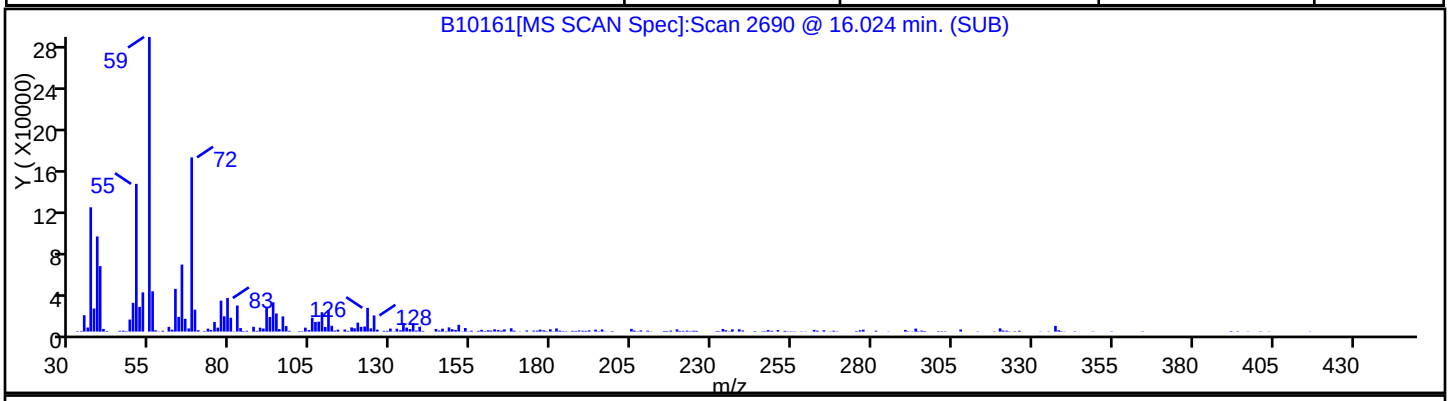
Lims Batch ID: 48751 Lims Sample ID: 11

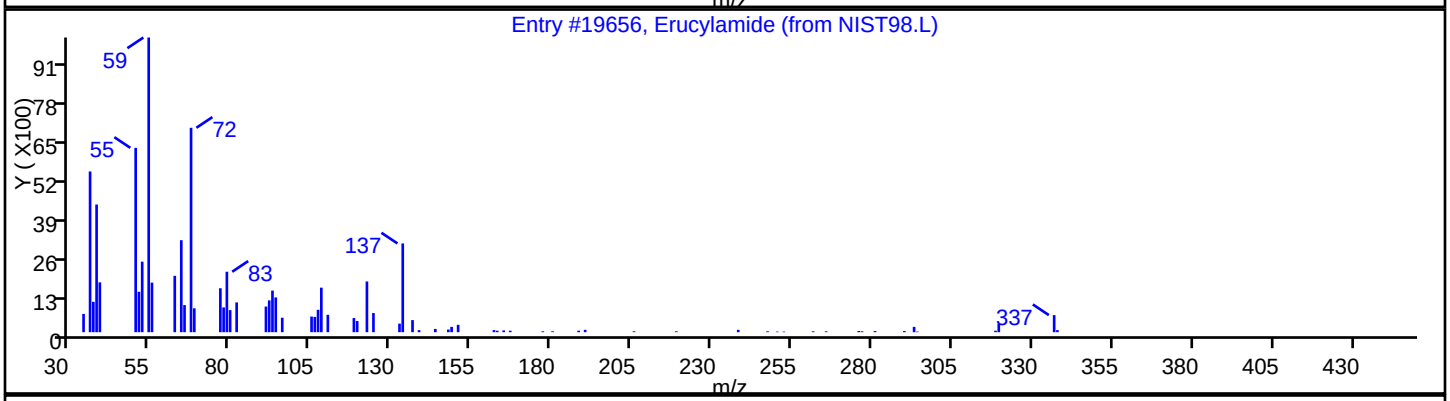
Client ID: OC-SB-425-18/20-XXX Instrument: Inst. B

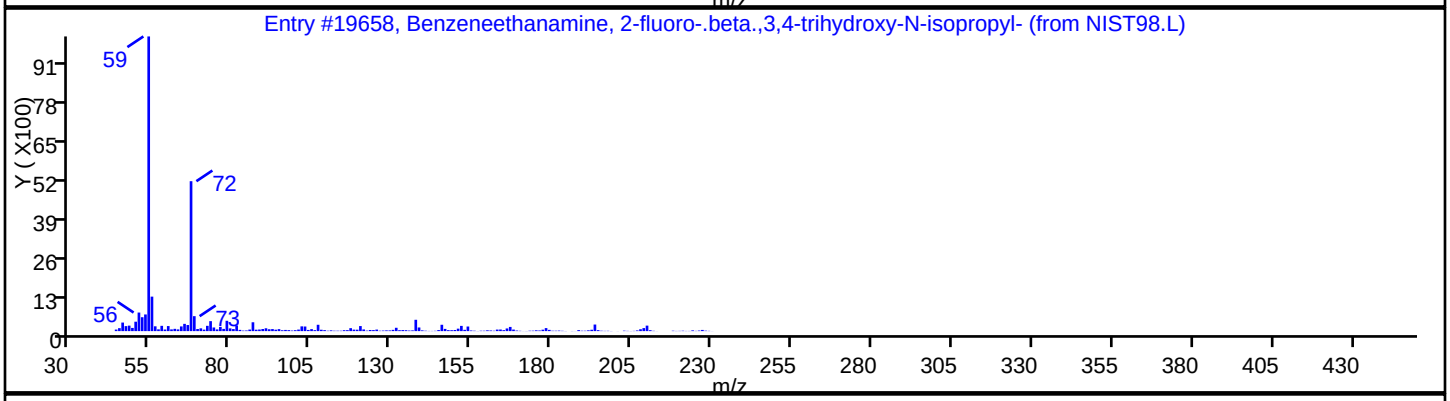
Sample Info: 360-24194-A-8-A

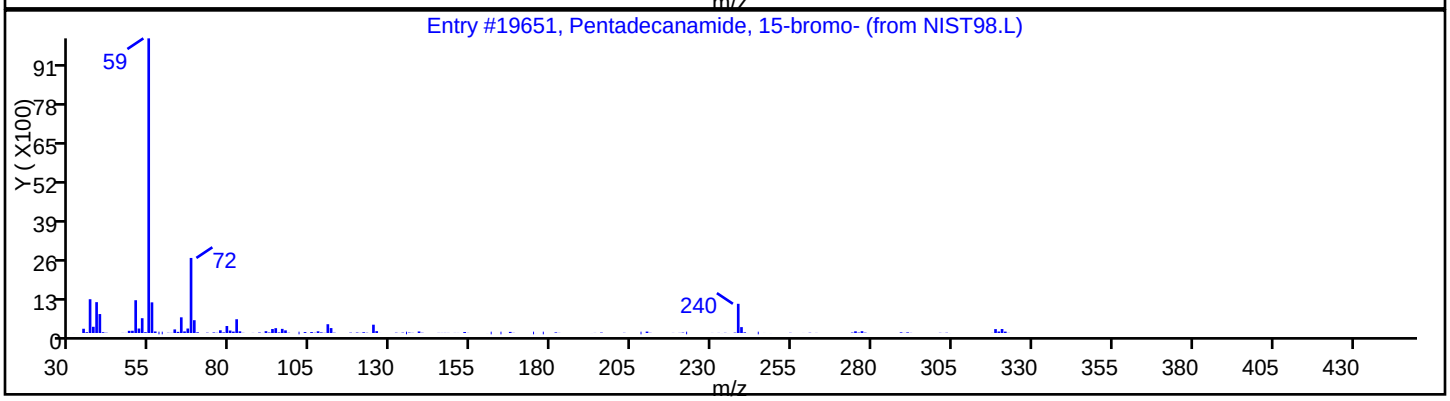
Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Erucylamide	112-84-5	NIST98.L	19656	81
Benzeneethanamine, 2-fluoro-.beta.,3,4-t	61338-98-5	NIST98.L	19658	64
Pentadecanamide, 15-bromo-	1000163-86-1	NIST98.L	19651	53





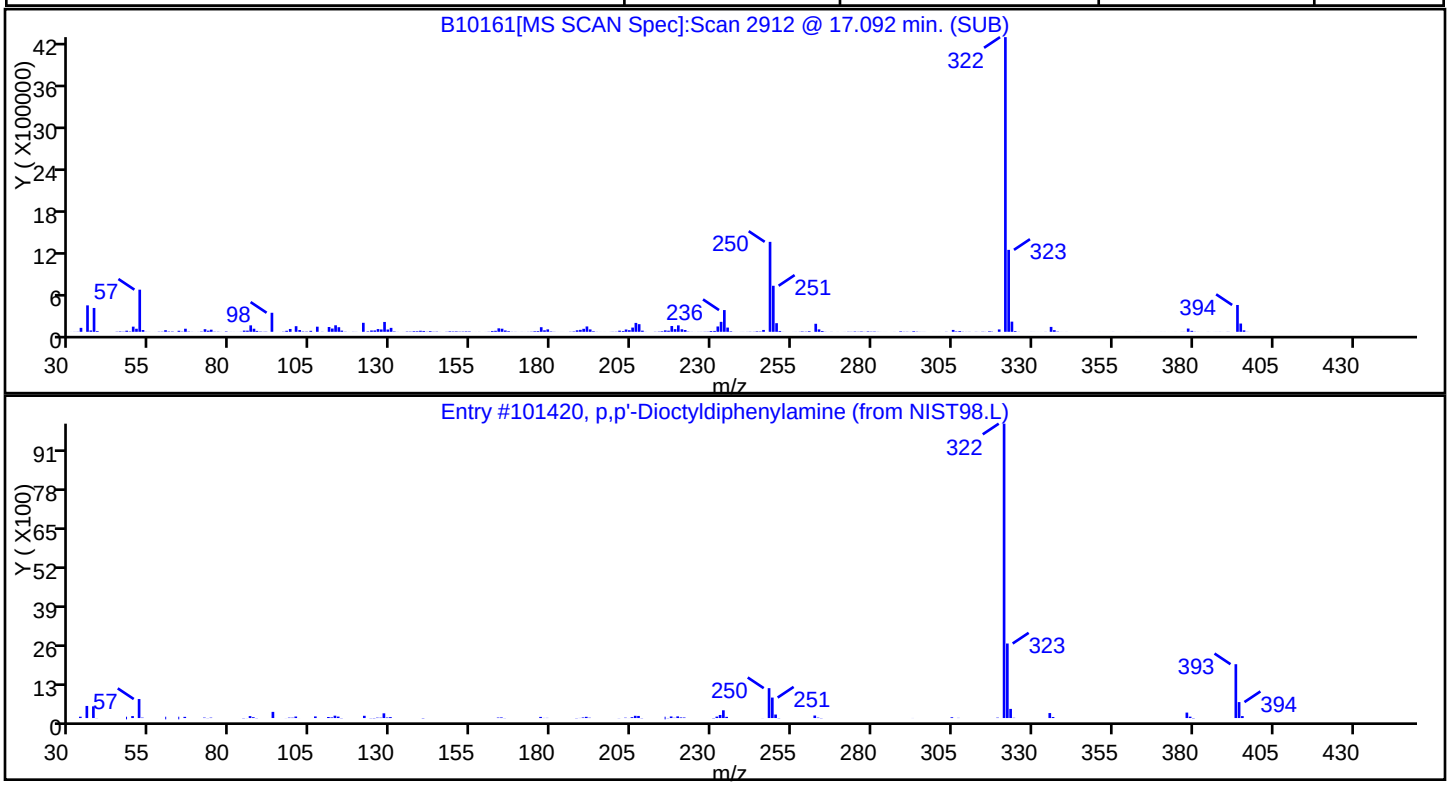




Report Date: 10-Sep-2009 08:38:02 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10161.D		
Inj Date:	10-Sep-2009 04:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	11
Client ID:	OC-SB-425-18/20-XXX	Instrument:	Inst. B
Sample Info:	360-24194-A-8-A		
Sample Amount:	2.00 uL	Operator:	MZ

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



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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2 Analy Batch No.: 48241

SDG No.: OCRI-02A

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

Calibration Start Date: 08/27/2009 09:11 Calibration End Date: 08/27/2009 13:43 Calibration ID: 4134

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-48241/3	B9840.D
Level 2	STD025 360-48241/4	B9841.D
Level 3	STD05 360-48241/5	B9842.D
Level 4	STD1 360-48241/6	B9843.D
Level 5	STD25 360-48241/7	B9844.D
Level 6	STD5 360-48241/2	B9839.D
Level 7	STD8 360-48241/8	B9845.D
Level 8	STD10 360-48241/9	B9846.D
Level 9	STD20 360-48241/10	B9847.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	+++++ 0.5365	0.3253 0.4797	0.3197 0.4793	0.5601 0.5834	0.5385	Lin1	-0.066	0.5430							0.9910		0.9900
1,4-Dioxane	0.4176 0.2519	0.3162 0.2092	0.2992 0.2046	0.2888 0.2451	0.2707	Lin1	0.0241	0.2302							0.9910		0.9900
N-Nitrosodimethylamine	0.4159 0.3352	0.3799 0.2992	0.3914 0.2776	0.3790 0.3256	0.3714	Ave		0.3528				13.0		15.0			
Benzoic acid	+++++ 0.0192	+++++ 0.0751	0.0010 0.1297	0.0097 +++++	0.0127	Qua	0.0952	-0.112	0.0229						0.9910		0.9900
Benzaldehyde	0.8057 0.7431	0.7969 0.6817	0.8364 0.6418	0.8222 0.7344	0.8352	Ave		0.7664				9.2		15.0			
Phenol	0.8057 0.7431	0.7969 0.6817	0.8364 0.6418	0.8222 0.7344	0.8352	Ave		0.7664				9.2		15.0			
Aniline	0.9060 0.8545	0.8849 0.8051	0.8146 0.8125	0.8066 0.8399	0.9547	Ave		0.8532				6.1		15.0			
Bis(2-chloroethyl)ether	0.8654 0.7617	0.8854 0.6255	0.9371 0.5432	0.8420 0.7112	0.7968	Qua	0.3118	0.4979	0.0096						0.9900		0.9900
2-Chlorophenol	0.6614 0.6050	0.6231 0.5592	0.6311 0.5292	0.6502 0.6300	0.6704	Ave		0.6177				7.6		15.0			
1,4-Dichlorobenzene	0.9050 0.7232	0.9246 0.6394	0.8856 0.5926	0.8446 0.6897	0.8262	Lin1	0.0572	0.6676							0.9910		0.9900
1,3-Dichlorobenzene	0.9496 0.7541	0.9224 0.6610	0.9369 0.6171	0.8633 0.7104	0.8535	Lin1	0.0589	0.6906							0.9920		0.9900
2-Methylphenol	0.2922 0.3681	0.3066 0.3483	0.3461 0.3368	0.3729 0.4097	0.3967	Ave		0.3530				11.0		15.0			
Benzyl alcohol	0.4383 0.4586	0.3915 0.4285	0.4361 0.4118	0.4543 0.4940	0.4901	Ave		0.4448				7.6		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.: 360-24194-2 Analy Batch No.: 48241

SDG No.: OCRI-02A

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

Calibration Start Date: 08/27/2009 09:11 Calibration End Date: 08/27/2009 13:43 Calibration ID: 4134

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								
3 & 4 Methylphenol	0.5670 0.5586	0.5702 0.5108	0.6004 0.4888	0.6171 0.5688	0.6106	Ave		0.5658				7.6		15.0			
1,2-Dichlorobenzene	0.9057 0.6967	0.8455 0.6282	0.8439 0.5785	0.7956 0.6620	0.7924	Ave		0.7498				15.0		15.0			
2,4-Dinitrophenol	+++++ 0.0207	+++++ 0.0485	0.0014 0.0736	0.0087 0.0963	0.0156	Lin	-0.393	0.1134			0.0500				0.9810	*	0.9900
4-Nitrophenol	+++++ 0.1129	+++++ 0.1245	0.0528 0.1450	0.0698 0.1398	0.0915	Lin1	-0.062	0.1397			0.0500				0.9920		0.9900
2,2'-oxybis[1-chloropropane]	1.2659 1.0244	1.2616 0.9031	1.2448 0.8205	1.1762 0.8943	1.1662	Lin1	0.0910	0.9034							0.9900		0.9900
N-Nitrosodi-n-propylamine	0.3611 0.4186	0.3780 0.3785	0.4117 0.3612	0.4321 0.4243	0.4443	Ave		0.4011			0.0500	7.9		15.0			
Acetophenone	0.8534 0.8455	0.8594 0.7478	0.9309 0.6999	0.9378 0.7932	0.9351	Ave		0.8448				10.0		15.0			
Caprolactam	+++++ 0.1136	0.0499 0.1189	0.0584 0.1240	0.0774 0.1347	0.0976	Lin1	-0.032	0.1286							0.9940		0.9900
Hexachloroethane	0.2895 0.2584	0.2661 0.2347	0.2848 0.2216	0.2808 0.2681	0.2844	Ave		0.2654				8.9		15.0			
Nitrobenzene	0.2062 0.3157	0.2167 0.2931	0.2446 0.3011	0.2675 0.2876	0.2969	Ave		0.2699				14.0		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.0312	+++++ 0.0580	0.0085 0.0868	0.0137 +++++	0.0209	Lin	-0.368	0.1194							0.9860	*	0.9900
Isophorone	0.4051 0.5649	0.4137 0.5390	0.4492 0.5376	0.5013 0.4989	0.5433	Ave		0.4948				12.0		15.0			
2,4-Dimethylphenol	0.2166 0.2567	0.2117 0.2373	0.2238 0.2426	0.2346 0.2356	0.2410	Ave		0.2333				6.0		15.0			
2-Nitrophenol	0.0555 0.1288	0.0512 0.1347	0.0626 0.1457	0.0932 0.1537	0.1115	Lin1	-0.021	0.1449							0.9910		0.9900
Bis(2-chloroethoxy)methane	0.3424 0.3573	0.3450 0.3372	0.3403 0.3392	0.3426 0.3178	0.3596	Ave		0.3424				3.5		15.0			
2,4-Dichlorophenol	0.1549 0.2333	0.1662 0.2263	0.1790 0.2359	0.2001 0.2360	0.2225	Lin2	-0.008	0.2225							0.9930		0.9900
Pentachlorophenol	+++++ 0.0739	+++++ 0.0956	0.0210 0.1069	0.0409 0.1210	0.0614	Lin	-0.148	0.1248							0.9910		0.9900
1,2,4-Trichlorobenzene	0.3057 0.2871	0.2968 0.2702	0.3001 0.2704	0.2818 0.2642	0.2907	Ave		0.2852				5.1		15.0			
Alpha-Terpineol	0.1964 0.2488	0.2101 0.2445	0.2099 0.2455	0.2202 0.2351	0.2481	Ave		0.2287				8.7		15.0			
Naphthalene	1.1053 0.9932	1.0485 0.9075	1.0448 0.8735	0.9980 0.6842	1.0208	Ave		0.9640				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.: 360-24194-2 Analy Batch No.: 48241

SDG No.: OCRI-02A

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

Calibration Start Date: 08/27/2009 09:11 Calibration End Date: 08/27/2009 13:43 Calibration ID: 4134

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	0.4087 0.4621	0.4396 0.4369	0.4328 0.4710	0.4222 0.4455	0.4628	Ave		0.4424				4.6		15.0			
Hexachlorobutadiene	0.1448 0.1411	0.1462 0.1358	0.1436 0.1368	0.1395 0.1363	0.1440	Ave		0.1409				2.8		15.0			
4-Chloro-3-methylphenol	0.1380 0.2382	0.1586 0.2337	0.1804 0.2457	0.2011 0.2387	0.2260	Lin2	-0.011	0.2279							0.9920		0.9900
2-Methylnaphthalene	0.6118 0.5966	0.5929 0.5505	0.5862 0.5522	0.5852 0.4809	0.5956	Ave		0.5724				7.0		15.0			
1-Methylnaphthalene	0.6246 0.6126	0.6308 0.5643	0.6088 0.5640	0.6039 0.4929	0.6042	Ave		0.5896				7.3		15.0			
Hexachlorocyclopentadiene	0.0622 0.1610	0.0723 0.1757	0.1040 0.2086	0.1315 0.2083	0.1370	Lin	-0.105	0.2102			0.0500				0.9950		0.9900
1,2,4,5-Tetrachlorobenzene	0.2753 0.2541	0.2603 0.2370	0.2544 0.2444	0.2477 0.2407	0.2506	Ave		0.2516				4.6		15.0			
2,4,6-Trichlorophenol	0.1910 0.3139	0.2160 0.3243	0.2244 0.3392	0.2667 0.3501	0.2995	Lin1	-0.029	0.3383							0.9970		0.9900
2,4,5-Trichlorophenol	0.1834 0.3283	0.2005 0.3435	0.2558 0.3502	0.2793 0.3668	0.3106	Lin1	-0.032	0.3541							0.9970		0.9900
1,1'-Biphenyl	1.5708 1.5180	1.5579 1.4625	1.5345 1.4006	1.5193 1.1885	1.5607	Ave		1.4792				8.2		15.0			
2-Chloronaphthalene	1.3702 1.3875	1.3195 1.4088	1.3973 1.3079	1.3627 1.2216	1.4905	Ave		1.3629				5.5		15.0			
Phenyl ether	0.4322 0.4085	0.4071 0.3845	0.4063 0.3887	0.4015 0.3450	0.4008	Ave		0.3972				6.0		15.0			
2-Nitroaniline	0.1272 0.2908	0.1120 0.3018	0.1256 0.3152	0.1756 0.3189	0.2322	Lin1	-0.044	0.3095							0.9920		0.9900
Dimethyl phthalate	1.0929 1.2260	1.0764 1.2346	1.1360 1.2291	1.2230 1.1179	1.2396	Ave		1.1751				5.8		15.0			
Pentachloronitrobenzene	+++++ 0.0750	0.0314 0.0743	0.0394 0.0775	0.0533 0.0817	0.0643	Lin1	-0.018	0.0796							0.9970		0.9900
2,6-Dinitrotoluene	0.0889 0.2857	0.1134 0.2826	0.1441 0.2963	0.2094 0.3039	0.2533	Lin1	-0.039	0.2963							0.9970		0.9900
Acenaphthylene	1.4772 1.8295	1.5155 1.7378	1.6935 1.6822	1.7480 1.3656	1.8193	Ave		1.6521				9.8		15.0			
3-Nitroaniline	0.1032 0.2370	0.1159 0.2480	0.1451 0.2799	0.1917 0.2895	0.2262	Lin1	-0.035	0.2733							0.9920		0.9900
Acenaphthene	1.3058 1.2203	1.2529 1.1737	1.2252 1.1466	1.2258 1.0179	1.2268	Ave		1.1994				6.8		15.0			
2,4-Dinitrotoluene	0.0916 0.3348	0.1063 0.3376	0.1313 0.3655	0.2068 0.3764	0.2627	Lin1	-0.057	0.3599							0.9910		0.9900

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2 Analy Batch No.: 48241

SDG No.: OCRI-02A

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

Calibration Start Date: 08/27/2009 09:11 Calibration End Date: 08/27/2009 13:43 Calibration ID: 4134

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	1.7129 1.6201	1.6165 1.5360	1.6320 1.5008	1.6206 1.2452	1.6393	Ave		1.5693				8.7		15.0			
2,3,4,6-Tetrachlorophenol	0.0906 0.2419	0.1173 0.2445	0.1472 0.2638	0.1938 0.2769	0.2247	Lin1	-0.032	0.2639							0.9950		0.9900
Diethyl phthalate	1.0349 1.2059	1.0571 1.2028	1.1158 1.1980	1.1964 1.0454	1.1912	Ave		1.1386				6.6		15.0			
4-Chlorophenyl phenyl ether	0.6247 0.6109	0.6031 0.6008	0.5964 0.6066	0.6036 0.6049	0.6080	Ave		0.6066				1.3		15.0			
4-Nitroaniline	0.1335 0.1998	0.1097 0.2014	0.1262 0.2682	0.1537 0.2608	0.1595	Lin	-0.145	0.2633							0.9900		0.9900
Fluorene	1.3367 1.3576	1.2741 1.2916	1.3003 1.2823	1.3023 1.1173	1.3272	Ave		1.2877				5.4		15.0			
Diphenylamine	0.5913 0.7293	0.6285 0.7027	0.6746 0.6838	0.6739 0.6384	0.7209	Ave		0.6715				6.7		15.0			
N-Nitrosodiphenylamine	0.5913 0.7293	0.6285 0.7027	0.6746 0.6838	0.6739 0.6384	0.7209	Ave		0.6715				6.7		15.0			
1,2-Diphenylhydrazine	0.9349 1.3096	1.0148 1.2510	1.1587 1.1949	1.2082 1.0225	1.3196	Ave		1.1572				12.0		15.0			
Azobenzene	0.9349 1.3096	1.0148 1.2510	1.1587 1.1949	1.2082 1.0225	1.3196	Ave		1.1572				12.0		15.0			
Benzophenone	0.5699 0.8469	0.6528 0.8195	0.7370 0.7892	0.7809 0.7310	0.8275	Ave		0.7505				12.0		15.0			
4-Bromophenyl phenyl ether	0.1830 0.2039	0.1850 0.1983	0.1895 0.1972	0.1843 0.2061	0.2035	Ave		0.1945				4.7		15.0			
Atrazine	0.1228 0.2030	0.1389 0.2077	0.1637 0.2073	0.1810 0.2113	0.1995	Lin2	-0.009	0.1997							0.9940		0.9900
Hexachlorobenzene	0.2126 0.1961	0.1886 0.1942	0.1978 0.1909	0.1913 0.2029	0.1979	Ave		0.1969				3.7		15.0			
Benzidine	+++++ 0.1139	0.0304 0.1351	0.0312 0.1841	0.0446 0.1876	0.0856	Qua	-0.100	0.1454	0.0024						0.9910		0.9900
Phenanthrene	1.2648 1.1618	1.1590 1.0921	1.1639 1.0662	1.1397 0.9055	1.1557	Ave		1.1232				8.8		15.0			
Anthracene	0.9898 1.1359	0.9688 1.0999	1.0179 1.0705	1.0790 0.9065	1.1011	Ave		1.0410				7.2		15.0			
Carbazole	0.7993 0.8563	0.7950 0.8311	0.8439 0.8615	0.8706 0.7918	0.8806	Ave		0.8367				4.1		15.0			
Di-n-butyl phthalate	0.9632 1.2052	0.8483 1.2088	0.9088 1.1655	1.0566 0.9332	1.1688	Ave		1.0509				13.0		15.0			
Fluoranthene	0.9013 1.0813	0.8674 1.0461	0.8960 1.0662	0.9642 0.9502	1.0219	Ave		0.9772				8.2		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2 Analy Batch No.: 48241

SDG No.: OCRI-02A

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

Calibration Start Date: 08/27/2009 09:11 Calibration End Date: 08/27/2009 13:43 Calibration ID: 4134

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	1.6534 1.5357	1.5690 1.3969	1.6093 1.4016	1.4922 1.2801	1.5205	Ave		1.4954				7.9		15.0			
Butyl benzyl phthalate	0.3408 0.6259	0.3644 0.6134	0.4131 0.6439	0.5085 0.6377	0.5802	Lin1	-0.055	0.6338							0.9990		0.9900
Bis(2-ethylhexyl) phthalate	0.5267 0.8818	0.4810 0.8599	0.5561 0.8907	0.6848 0.8407	0.7893	Lin1	-0.069	0.8604							0.9980		0.9900
3,3'-Dichlorobenzidine	0.1497 0.1874	0.1481 0.2094	0.1691 0.2288	0.1815 0.2893	0.2009	Qua	0.0074	0.1609	0.0064						1.0000		0.9900
Benzo[a]anthracene	0.9124 1.0165	0.8564 0.9837	0.8850 0.9929	0.9250 0.9533	0.9608	Ave		0.9429				5.6		15.0			
Chrysene	1.0540 0.9853	0.9938 0.9456	1.0088 0.9542	0.9365 0.8936	0.9648	Ave		0.9707				4.8		15.0			
Di-n-octyl phthalate	1.3023 2.3308	1.0916 2.1273	1.2753 2.4922	1.7678 2.1938	1.9666	Lin1	-0.213	2.2622							0.9940		0.9900
Benzo[b]fluoranthene	1.2786 1.4219	1.2042 1.3203	1.2371 1.3730	1.2805 1.4486	1.3006	Ave		1.3183				6.2		15.0			
Benzo[k]fluoranthene	1.1340 1.3278	1.1603 1.2863	1.1597 1.3692	1.1654 1.3313	1.2534	Ave		1.2431				7.2		15.0			
Benzo[a]pyrene	0.6879 1.0127	0.7044 1.0243	0.7696 1.0390	0.8094 1.0849	0.9091	Lin1	-0.079	1.0511							0.9980		0.9900
Indeno[1,2,3-cd]pyrene	0.5731 0.6824	0.4426 0.7883	0.5584 0.7227	0.5004 0.7930	0.6185	Lin1	-0.064	0.7576							0.9930		0.9900
Dibenz(a,h)anthracene	0.4527 0.5353	0.3425 0.6193	0.4425 0.5700	0.3644 0.6347	0.4555	Lin1	-0.055	0.5992							0.9910		0.9900
Benzo[g,h,i]perylene	0.6297 0.6009	0.4582 0.6843	0.6064 0.6099	0.5077 0.6584	0.5702	Ave		0.5917				12.0		15.0			
2-Fluorophenol	0.5640 0.5510	0.5799 0.5150	0.5975 0.4785	0.5916 0.5792	0.6212	Ave		0.5642				7.8		15.0			
Phenol-d5	0.7106 0.6842	0.7243 0.6329	0.7326 0.5931	0.7371 0.6957	0.7517	Ave		0.6958				7.5		15.0			
Nitrobenzene-d5	0.2160 0.3378	0.2350 0.3132	0.2285 0.3215	0.2653 0.3152	0.3039	Lin1	-0.019	0.3189							0.9990		0.9900
2-Fluorobiphenyl	1.4301 1.3555	1.3980 1.3198	1.3882 1.2755	1.3524 1.1136	1.3944	Ave		1.3364				7.1		15.0			
2,4,6-Tribromophenol	0.0402 0.0658	0.0297 0.0713	0.0374 0.0740	0.0493 0.0822	0.0607	Lin1	-0.010	0.0761							0.9900		0.9900
Terphenyl-d14	1.0015 0.8772	0.9072 0.8041	0.9115 0.8214	0.8729 0.8094	0.8735	Ave		0.8754				7.1		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.: 360-24194-2 Analy Batch No.: 48241

SDG No.: OCRI-02A

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

Calibration Start Date: 08/27/2009 09:11 Calibration End Date: 08/27/2009 13:43 Calibration ID: 4134

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-48241/3	B9840.D
Level 2	STD025 360-48241/4	B9841.D
Level 3	STD05 360-48241/5	B9842.D
Level 4	STD1 360-48241/6	B9843.D
Level 5	STD25 360-48241/7	B9844.D
Level 6	STD5 360-48241/2	B9839.D
Level 7	STD8 360-48241/8	B9845.D
Level 8	STD10 360-48241/9	B9846.D
Level 9	STD20 360-48241/10	B9847.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	Lin1	+++++ 750747	17269 1172618	34721 1764718	153215 3548274	306255	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dioxane	DCB	Lin1	7826 352558	16785 511478	32492 753392	79012 1490875	153946	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodimethylamine	DCB	Ave	7795 469127	20169 731418	42512 1021906	103679 1980714	211236	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Qua	+++++ 53924	+++++ 349923	252 847870	6302 +++++	16011	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 +++++	2.50
Benzaldehyde	DCB	Ave	15101 1039957	42307 1666318	90837 2362974	224911 4466588	475038	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol	DCB	Ave	15101 1039957	42307 1666318	90837 2362974	224911 4466588	475038	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Aniline	DCB	Ave	16980 1195757	46982 1967936	88467 2991116	220664 5108428	542968	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethyl)ether	DCB	Qua	16219 1065930	47006 1528947	101774 1999782	230342 4325721	453197	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chlorophenol	DCB	Ave	12396 846695	33082 1366895	68545 1948446	177858 3831764	381290	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dichlorobenzene	DCB	Lin1	16961 1012079	49090 1562873	96178 2181851	231057 4194729	469886	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,3-Dichlorobenzene	DCB	Lin1	17797 1055349	48968 1615887	101755 2271746	236152 4320677	485416	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylphenol	DCB	Ave	5477 515162	16279 851368	37588 1239841	102003 2491724	225631	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzyl alcohol	DCB	Ave	8215 641760	20785 1047562	47362 1515982	124281 3004420	278760	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3 & 4 Methylphenol	DCB	Ave	10626 781772	30271 1248582	65205 1799490	168819 3459615	347285	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.: 360-24194-2 Analy Batch No.: 48241

SDG No.: OCRI-02A

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

Calibration Start Date: 08/27/2009 09:11 Calibration End Date: 08/27/2009 13:43 Calibration ID: 4134

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2-Dichlorobenzene	DCB	Ave	16974 974949	44889 1535548	91652 2129597	217636 4026375	450671	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Lin	+++++ 28296	+++++ 105072	171 230640	2737 582329	9453	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin1	+++++ 153926	+++++ 269667	6377 454056	21988 845357	55437	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
2,2'-oxybis[1-chloropropane]	DCB	Lin1	23726 1433600	66981 2207494	135193 3020778	321748 5439705	663272	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	6768 585791	20069 925274	44708 1329851	118210 2580992	252693	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acetophenone	DCB	Ave	15995 1183159	45628 1827984	101104 2576828	256551 4824436	531828	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Caprolactam	NPT	Lin1	+++++ 318849	6255 554019	14800 810669	50132 1757206	123328	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	5426 361622	14125 573673	30932 815843	76821 1630708	161784	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene	NPT	Ave	9092 886184	27188 1365799	61927 1967459	173355 3751277	375179	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4,6-Dinitro-2-methylphenol	PHN	Lin	+++++ 65923	+++++ 193101	1557 431320	6951 +++++	19303	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 +++++	2.50
Isophorone	NPT	Ave	17862 1585928	51897 2511465	113745 3513482	324888 6507140	686610	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Ave	9549 720576	26560 1105529	56668 1585093	152035 3073343	304600	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitrophenol	NPT	Lin1	2446 361672	6424 627697	15844 952311	60388 2004639	140963	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	15095 1003015	43289 1571075	86161 2216454	221990 4144556	454453	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dichlorophenol	NPT	Lin2	6831 654885	20847 1054199	45319 1541503	129702 3077477	281155	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachlorophenol	PHN	Lin	+++++ 155987	+++++ 318090	3877 531246	20731 1138364	56614	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Ave	13476 805947	37231 1258897	75989 1767213	182631 3445602	367388	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Ave	8659 698449	26364 1139280	53149 1604395	142678 3066435	313482	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Ave	48733 2788310	131540 4228277	264567 5708709	646779 8924341	1290066	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloroaniline	NPT	Ave	18021 1297308	55153 2035441	109594 3078313	273573 5811130	584853	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobutadiene	NPT	Ave	6383 396237	18346 632866	36371 893685	90408 1777087	181972	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.: 360-24194-2 Analy Batch No.: 48241

SDG No.: OCRI-02A

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

Calibration Start Date: 08/27/2009 09:11 Calibration End Date: 08/27/2009 13:43 Calibration ID: 4134

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chloro-3-methylphenol	NPT	Lin2	6086 668793	19903 1088981	45678 1605410	130338 3113864	285601	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Ave	26975 1674864	74381 2564995	148424 3608578	379229 6271818	752665	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1-Methylnaphthalene	NPT	Ave	27538 1719861	79135 2629104	154161 3685514	391329 6428973	763583	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorocyclopentadiene	ANT	Lin	1313 219525	4424 380613	12560 653358	41417 1259469	82982	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	12139 713315	32656 1104076	64418 1597337	160524 3139686	316653	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Trichlorophenol	ANT	Lin1	4034 428013	13219 702610	27089 1062409	84005 2116968	181341	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Lin1	3873 447696	12266 744226	30880 1096885	87963 2218074	188088	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	33172 2070045	95324 3168848	185255 4386404	478516 7187516	945126	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	28936 1892065	80740 3052488	168693 4095977	429187 7387780	902611	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	19055 1146678	51077 1791240	102889 2540071	260178 4500075	506500	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Lin1	2687 396572	6853 653961	15159 987208	55316 1928459	140585	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	23080 1671911	65864 2675006	137153 3849464	385204 6760746	750645	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin1	+++++ 158280	3017 247114	7254 385100	27003 768719	59276	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Lin1	1878 389646	6938 612243	17400 927908	65948 1837797	153379	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	31196 2494917	92730 3765313	204452 5268460	550556 8258778	1101674	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Lin1	2179 323209	7089 537424	17513 876526	60373 1750882	136954	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	27577 1664092	76663 2542968	147919 3590916	386092 6155732	742897	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	1934 456521	6502 731397	15850 1144819	65136 2276379	159053	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	36174 2209358	98912 3328041	197026 4700338	510427 7530608	992715	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	1914 329873	7176 529703	17769 826169	61027 1674390	136099	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	21855 1644494	64682 2606056	134706 3751816	376811 6322018	721339	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.: 360-24194-2 Analy Batch No.: 48241

SDG No.: OCRI-02A

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

Calibration Start Date: 08/27/2009 09:11 Calibration End Date: 08/27/2009 13:43 Calibration ID: 4134

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	13193 833013	36905 1301796	72006 1899894	190126 3657929	368168	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitroaniline	ANT	Lin	2819 272466	6710 436317	15240 839945	48401 1577317	96570	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluorene	ANT	Ave	28228 1851342	77961 2798499	156989 4016035	410178 6757220	803715	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	19338 1539933	60469 2337765	124278 3399065	341233 6005341	664792	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	19338 1539933	60469 2337765	124278 3399065	341233 6005341	664792	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	30573 2765472	97638 4161806	213471 5939722	611806 9619196	1216971	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	30573 2765472	97638 4161806	213471 5939722	611806 9619196	1216971	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzophenone	PHN	Ave	18636 1788257	62809 2726238	135768 3923075	395409 6877152	763085	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	5983 430600	17795 659663	34918 980090	93339 1939081	187635	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Lin2	4017 428688	13368 690990	30151 1030202	91632 1988059	183980	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	6951 414009	18141 645991	36439 948911	96894 1908379	182539	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Qua	+++++ 240474	2929 449550	5749 915006	22575 1764521	78927	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	41362 2453367	111510 3633200	214413 5299899	577141 8518577	1065809	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	32368 2398628	93211 3659049	187523 5320996	546377 8527994	1015472	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	26138 1808210	76491 2765045	155465 4282374	440863 7448756	812059	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Ave	31499 2544886	81615 4021526	167420 5793355	535044 8778584	1077919	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	29475 2283354	83454 3480174	165060 5299923	488264 8938387	942358	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	30216 2442608	89025 3727369	179850 5707300	519347 9828888	994470	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Lin1	6229 995550	20674 1636835	46169 2621789	176990 4896189	379463	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Lin1	9626 1402570	27295 2294599	62148 3626915	238347 6454985	516257	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Qua	2735 298143	8401 558878	18896 931628	63168 2221070	131413	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.: 360-24194-2 Analy Batch No.: 48241

SDG No.: OCRI-02A

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

Calibration Start Date: 08/27/2009 09:11 Calibration End Date: 08/27/2009 13:43 Calibration ID: 4134

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	16675 1616836	48592 2624808	98905 4042907	321920 7319993	628424	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Chrysene	CRY	Ave	19261 1567142	56386 2523208	112743 3885456	325924 6861417	631033	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Lin1	12400 2079418	33716 3519599	80564 5638138	333857 9645182	750301	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Ave	12174 1268531	37192 2184474	78146 3106164	241827 6369067	496181	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Ave	10798 1184608	35837 2128189	73258 3097438	220100 5853369	478176	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Lin1	6550 903440	21756 1694740	48614 2350422	152856 4769867	346848	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	5457 608836	13669 1304200	35272 1635054	94508 3486590	235970	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Lin1	4310 477519	10578 1024654	27952 1289444	68827 2790543	173773	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	5996 536109	14151 1132195	38305 1379784	95879 2894534	217550	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	10571 771126	30786 1258811	64897 1761442	161832 3522921	353342	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol-d5	DCB	Ave	13317 957466	38453 1547175	79561 2183579	201627 4231349	427518	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene-d5	NPT	Lin1	9524 948293	29483 1459404	57866 2100828	171938 4111442	384104	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorobiphenyl	ANT	Ave	30201 1848474	85539 2859566	167601 3994653	425960 6734287	844399	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	1316 138848	2859 237071	6899 367632	24982 773181	55955	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	18303 1395241	51473 2145610	101867 3344447	303788 6214660	571293	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\20090827-1.b\B9839.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	27-Aug-2009 09:11:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	STD5		
Misc. Info.:	360-0000982-002		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	2
Lims Batch ID:	48241	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\8270B.m		
Last Update:	27-Aug-2009 12:01:10	Calib Date:	27-Aug-2009 09:11:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9839.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 27-Aug-2009 12:01:10

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.591	8.591	0.000	559764	2.00	
* 2 Naphthalene-d8	136	9.712	9.712	0.000	1122936	2.00	
* 3 Acenaphthene-d10	164	11.231	11.231	0.000	545473	2.00	
* 4 Phenanthrene-d10	188	12.558	12.558	0.000	844646	2.00	
* 5 Chrysene-d12	240	16.453	16.453	0.000	636236	2.00	
* 6 Perylene-d12	264	19.449	19.449	0.000	356856	2.00	
$ 7 2-Fluorophenol	112	7.379	7.379	0.000	771126	5.00	
$ 8 Phenol-d5	99	8.197	8.197	0.000	957466	5.00	
$ 9 Nitrobenzene-d5	82	9.072	9.072	0.000	948293	5.00	
$ 10 2-Fluorobiphenyl	172	10.606	10.606	0.000	1848474	5.00	
$ 11 2,4,6-Tribromophenol	330	11.909	11.909	0.000	138848	5.00	
$ 12 Terphenyl-d14	244	14.544	14.544	0.000	1395241	5.00	
14 1,4-Dioxane	88	5.523	5.523	0.000	352558	5.00	
15 N-Nitrosodimethylamine	42	5.932	5.932	0.000	469127	5.00	
16 Pyridine	79	5.989	5.989	0.000	750747	5.00	
18 Phenol	94	8.211	8.211	0.000	1039957	5.00	
17 Benzaldehyde	94	8.211	8.211	0.000	1039957	5.00	
19 Aniline	93	8.293	8.293	0.000	1195757	5.00	
20 Bis(2-chloroethyl)ether	93	8.312	8.312	0.000	1065930	5.00	
21 2-Chlorophenol	128	8.408	8.408	0.000	846695	5.00	
22 1,4-Dichlorobenzene	146	8.548	8.548	0.000	1012079	5.00	
23 1,3-Dichlorobenzene	146	8.605	8.605	0.000	1055349	5.00	
24 Benzyl alcohol	79	8.682	8.682	0.000	641760	5.00	
26 2-Methylphenol	108	8.682	8.682	0.000	515162	5.00	
28 3 & 4 Methylphenol	108	8.750	8.750	0.000	781772	5.00	
25 1,2-Dichlorobenzene	146	8.750	8.750	0.000	974949	5.00	
27 2,2'-oxybis[1-chloropropane]	45	8.779	8.779	0.000	1433600	5.00	
29 N-Nitrosodi-n-propylamine	70	8.899	8.899	0.000	585791	5.00	
30 Acetophenone	105	8.923	8.923	0.000	1183159	5.00	
31 Hexachloroethane	117	9.053	9.053	0.000	361622	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	9.091	9.091	0.000	886184	5.00	
33 Isophorone	82	9.279	9.279	0.000	1585928	5.00	
35 2,4-Dimethylphenol	107	9.341	9.341	0.000	720576	5.00	
36 Benzoic acid	105	9.380	9.380	0.000	53924	5.00	M
34 2-Nitrophenol	139	9.365	9.365	0.000	361672	5.00	
37 Bis(2-chloroethoxy)methane	93	9.423	9.423	0.000	1003015	5.00	
38 2,4-Dichlorophenol	162	9.562	9.562	0.000	654885	5.00	
39 1,2,4-Trichlorobenzene	180	9.649	9.649	0.000	805947	5.00	
40 Alpha-Terpineol	59	9.683	9.683	0.000	698449	5.00	
41 Naphthalene	128	9.731	9.731	0.000	2788310	5.00	
42 4-Chloroaniline	127	9.745	9.745	0.000	1297308	5.00	
43 Hexachlorobutadiene	225	9.808	9.808	0.000	396237	5.00	
44 Caprolactam	55	10.058	10.058	0.000	318849	5.00	
45 4-Chloro-3-methylphenol	107	10.120	10.120	0.000	668793	5.00	
46 2-Methylnaphthalene	142	10.317	10.317	0.000	1674864	5.00	
47 1-Methylnaphthalene	142	10.414	10.414	0.000	1719861	5.00	
48 Hexachlorocyclopentadiene	237	10.442	10.442	0.000	219525	5.00	
49 1,2,4,5-Tetrachlorobenzene	216	10.462	10.462	0.000	713315	5.00	
50 2,4,6-Trichlorophenol	196	10.543	10.543	0.000	428013	5.00	
51 2,4,5-Trichlorophenol	196	10.587	10.587	0.000	447696	5.00	
52 1,1'-Biphenyl	154	10.707	10.707	0.000	2070045	5.00	
53 2-Chloronaphthalene	162	10.750	10.750	0.000	1892065	5.00	
54 Phenyl ether	170	10.784	10.784	0.000	1146678	5.00	
55 2-Nitroaniline	65	10.818	10.818	0.000	396572	5.00	
56 Dimethyl phthalate	163	10.919	10.919	0.000	1671911	5.00	
57 2,6-Dinitrotoluene	165	10.995	10.995	0.000	389646	5.00	
58 Acenaphthylene	152	11.120	11.120	0.000	2494917	5.00	
59 3-Nitroaniline	138	11.164	11.164	0.000	323209	5.00	
60 2,4-Dinitrophenol	184	11.246	11.246	0.000	28296	5.00	
62 4-Nitrophenol	109	11.250	11.250	0.000	153926	5.00	
61 Acenaphthene	153	11.265	11.265	0.000	1664092	5.00	
63 2,4-Dinitrotoluene	165	11.347	11.347	0.000	456521	5.00	
64 Dibenzofuran	168	11.404	11.404	0.000	2209358	5.00	
65 2,3,4,6-Tetrachlorophenol	232	11.491	11.491	0.000	329873	5.00	
66 Diethyl phthalate	149	11.500	11.500	0.000	1644494	5.00	
67 4-Chlorophenyl phenyl ether	204	11.654	11.654	0.000	833013	5.00	
68 4-Nitroaniline	138	11.698	11.698	0.000	272466	5.00	
69 Fluorene	166	11.702	11.702	0.000	1851342	5.00	
70 4,6-Dinitro-2-methylphenol	198	11.702	11.702	0.000	65923	5.00	
72 N-Nitrosodiphenylamine	169	11.750	11.750	0.000	1539933	5.00	
71 Diphenylamine	169	11.750	11.750	0.000	1539933	5.00	
74 Azobenzene	77	11.794	11.794	0.000	2765472	5.00	
73 1,2-Diphenylhydrazine	77	11.794	11.794	0.000	2765472	5.00	
13 Benzophenone	105	11.808	11.808	0.000	1788257	5.00	
75 4-Bromophenyl phenyl ether	248	12.087	12.087	0.000	430600	5.00	
77 Atrazine	200	12.159	12.159	0.000	428688	5.00	
76 Hexachlorobenzene	284	12.188	12.188	0.000	414009	5.00	
78 Pentachlorophenol	266	12.352	12.352	0.000	155987	5.00	
79 Pentachloronitrobenzene	237	12.366	12.366	0.000	158280	5.00	
80 Phenanthrene	178	12.587	12.587	0.000	2453367	5.00	
81 Anthracene	178	12.635	12.635	0.000	2398628	5.00	
83 Carbazole	167	12.765	12.765	0.000	1808210	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.996	12.996	0.000	2544886	5.00	
87 Fluoranthene	202	14.030	14.030	0.000	2283354	5.00	
86 Benzidine	184	14.140	14.140	0.000	240474	5.00	
85 Pyrene	202	14.419	14.419	0.000	2442608	5.00	
89 Butyl benzyl phthalate	149	15.367	15.367	0.000	995550	5.00	
92 Bis(2-ethylhexyl) phthalate	149	16.256	16.256	0.000	1402570	5.00	
91 3,3'-Dichlorobenzidine	252	16.324	16.324	0.000	298143	5.00	
93 Benzo[a]anthracene	228	16.429	16.429	0.000	1616836	5.00	
94 Chrysene	228	16.497	16.497	0.000	1567142	5.00	
95 Di-n-octyl phthalate	149	17.420	17.420	0.000	2079418	5.00	
97 Benzo[b]fluoranthene	252	18.526	18.526	0.000	1268531	5.00	
98 Benzo[k]fluoranthene	252	18.584	18.584	0.000	1184608	5.00	
99 Benzo[a]pyrene	252	19.319	19.319	0.000	903440	5.00	
100 Indeno[1,2,3-cd]pyrene	276	22.623	22.623	0.000	608836	5.00	
101 Dibenz(a,h)anthracene	278	22.647	22.647	0.000	477519	5.00	
102 Benzo[g,h,i]perylene	276	23.609	23.609	0.000	536109	5.00	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 27-Aug-2009 12:01:11 Chrom Revision: 1.0.2009.729

Data File: \\wessvr06\chromdata\INSTB.i\20090827-1.b\B9839.D

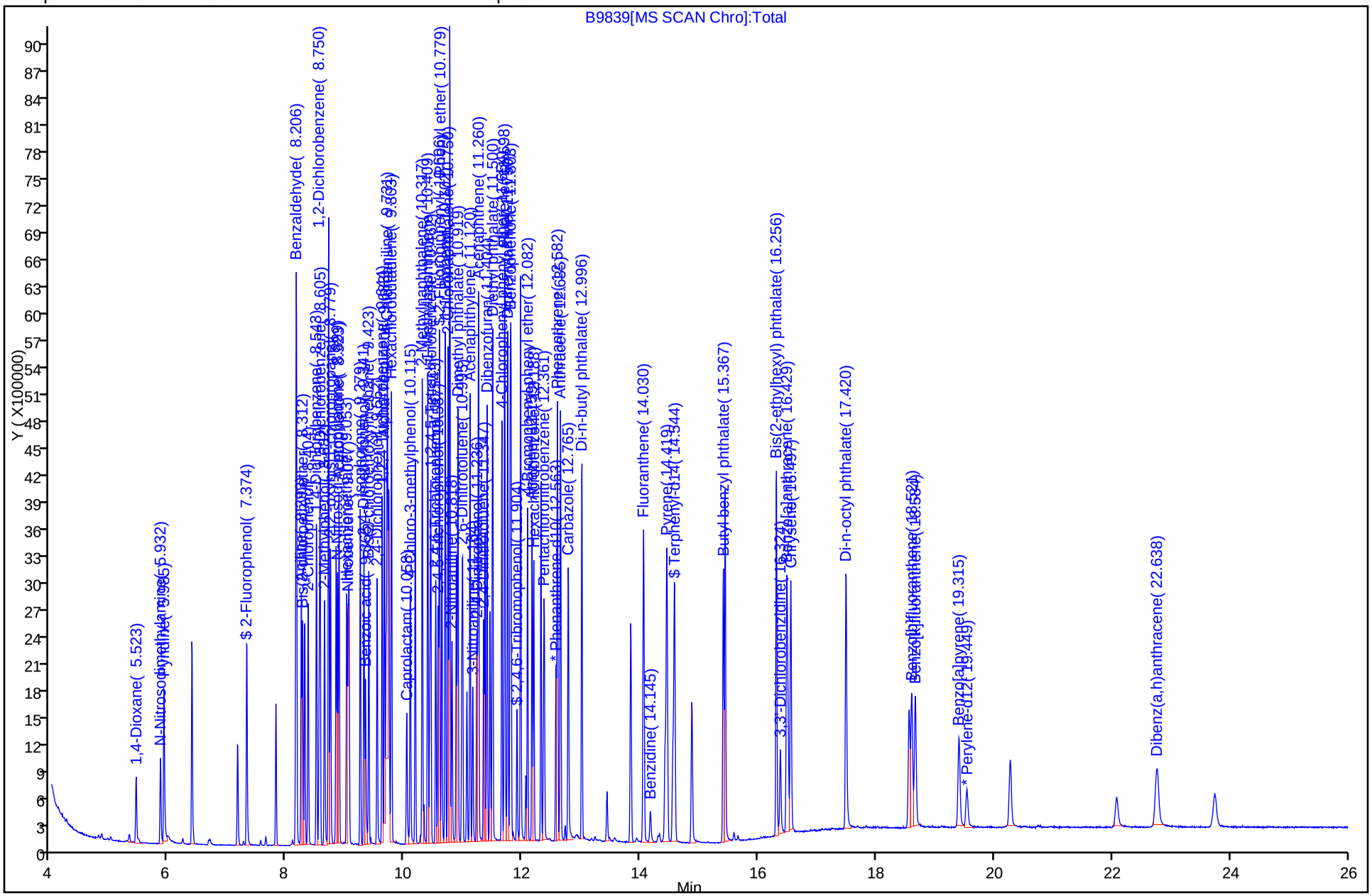
Inj Date: 27-Aug-2009 09:11:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48241 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: STD5

Sample Amount: 2.00 uL Operator: MZ



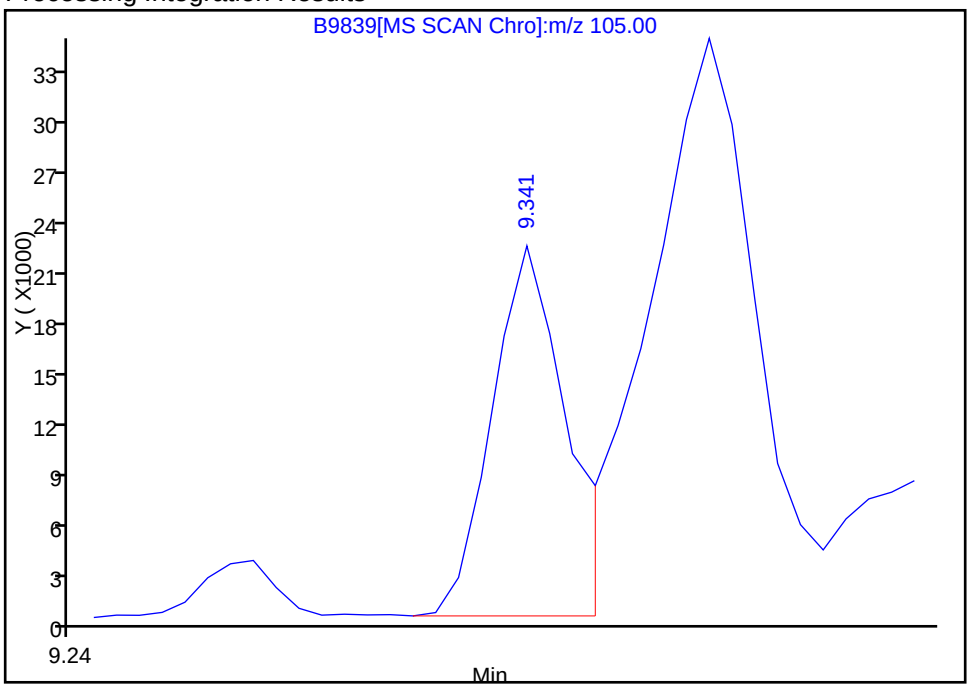
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9839.D		
Inj Date:	27-Aug-2009 09:11:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	2
Client ID:		Instrument:	Inst. B
Sample Info:	STD5		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 9.38

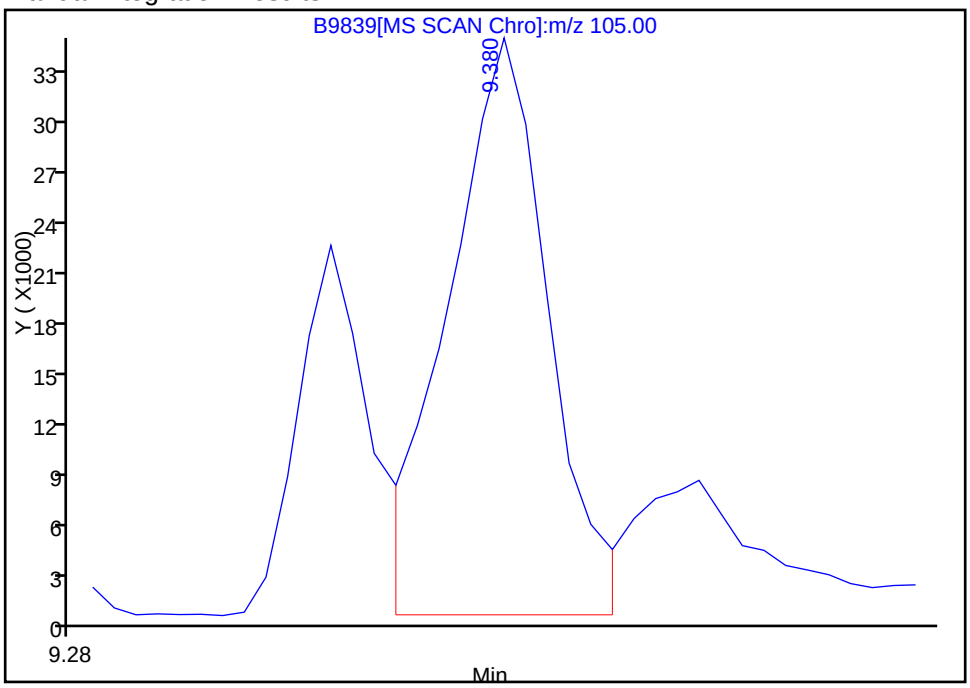
Processing Integration Results

RT: 9.34
Response: 24117
Amount: 4.837465



Manual Integration Results

RT: 9.38
Response: 53924
Amount: 5.000000



Reviewer: sullivanp, 27-Aug-2009 12:01:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Lims ID:	STD01	Client ID:	
Inject. Date:	27-Aug-2009 09:45:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD01		
Misc. Info.:	360-0000982-003		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	3
Lims Batch ID:	48241	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\8270B.m		
Last Update:	27-Aug-2009 12:05:20	Calib Date:	27-Aug-2009 09:45:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	27-Aug-2009 12:05:20

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.590	8.591	-0.001	374835	2.00	
* 2 Naphthalene-d8	136	9.710	9.712	-0.002	881768	2.00	
* 3 Acenaphthene-d10	164	11.234	11.231	0.003	422363	2.00	
* 4 Phenanthrene-d10	188	12.562	12.558	0.004	654039	2.00	
* 5 Chrysene-d12	240	16.447	16.453	-0.006	365500	2.00	
* 6 Perylene-d12	264	19.448	19.449	-0.001	190433	2.00	
$ 7 2-Fluorophenol	112	7.378	7.379	-0.001	10571	0.1012	
$ 8 Phenol-d5	99	8.195	8.197	-0.002	13317	0.1019	
$ 9 Nitrobenzene-d5	82	9.075	9.072	0.003	9524	0.1000	
$ 10 2-Fluorobiphenyl	172	10.609	10.606	0.003	30201	0.1027	
$ 11 2,4,6-Tribromophenol	330	11.908	11.909	-0.001	1316	0.1000	
$ 12 Terphenyl-d14	244	14.548	14.544	0.004	18303	0.1066	
14 1,4-Dioxane	88	5.522	5.523	-0.001	7826	0.1000	
15 N-Nitrosodimethylamine	42	5.940	5.932	0.008	7795	0.1107	
18 Phenol	94	8.210	8.211	-0.001	15101	0.1040	
17 Benzaldehyde	94	8.210	8.211	-0.001	15101	0.1040	
19 Aniline	93	8.296	8.293	0.003	16980	0.1029	
20 Bis(2-chloroethyl)ether	93	8.316	8.312	0.004	16219	0.1064	
21 2-Chlorophenol	128	8.407	8.408	-0.001	12396	0.1045	
22 1,4-Dichlorobenzene	146	8.546	8.548	-0.002	16961	0.1000	
23 1,3-Dichlorobenzene	146	8.604	8.605	-0.001	17797	0.1000	
24 Benzyl alcohol	79	8.681	8.682	-0.001	8215	0.0977	
26 2-Methylphenol	108	8.681	8.682	-0.001	5477	0.1000	
28 3 & 4 Methylphenol	108	8.748	8.750	-0.002	10626	0.1007	
25 1,2-Dichlorobenzene	146	8.748	8.750	-0.002	16974	0.1000	
27 2,2'-oxybis[1-chloropropane]	45	8.782	8.779	0.003	23726	0.1105	
29 N-Nitrosodi-n-propylamine	70	8.902	8.899	0.003	6768	0.0926	
30 Acetophenone	105	8.926	8.923	0.003	15995	0.1005	
31 Hexachloroethane	117	9.051	9.053	-0.002	5426	0.1057	
32 Nitrobenzene	77	9.095	9.091	0.004	9092	0.1000	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	9.282	9.279	0.003	17862	0.1000	
35 2,4-Dimethylphenol	107	9.340	9.341	-0.001	9549	0.0915	
34 2-Nitrophenol	139	9.373	9.365	0.008	2446	0.1000	
37 Bis(2-chloroethoxy)methane	93	9.426	9.423	0.003	15095	0.0979	
38 2,4-Dichlorophenol	162	9.566	9.562	0.004	6831	0.1000	
39 1,2,4-Trichlorobenzene	180	9.648	9.649	-0.001	13476	0.1031	
40 Alpha-Terpineol	59	9.686	9.683	0.003	8659	0.1000	
41 Naphthalene	128	9.734	9.731	0.003	48733	0.1053	
42 4-Chloroaniline	127	9.749	9.745	0.004	18021	0.0939	
43 Hexachlorobutadiene	225	9.806	9.808	-0.002	6383	0.1013	
45 4-Chloro-3-methylphenol	107	10.119	10.120	-0.001	6086	0.1000	
46 2-Methylnaphthalene	142	10.321	10.317	0.004	26975	0.1013	
47 1-Methylnaphthalene	142	10.412	10.414	-0.002	27538	0.1010	
48 Hexachlorocyclopentadiene	237	10.446	10.442	0.004	1313	0.1000	
49 1,2,4,5-Tetrachlorobenzene	216	10.465	10.462	0.003	12139	0.1040	
50 2,4,6-Trichlorophenol	196	10.552	10.543	0.009	4034	0.1000	
51 2,4,5-Trichlorophenol	196	10.585	10.587	-0.002	3873	0.1000	
52 1,1'-Biphenyl	154	10.706	10.707	-0.001	33172	0.1017	
53 2-Chloronaphthalene	162	10.754	10.750	0.004	28936	0.0994	
54 Phenyl ether	170	10.782	10.784	-0.002	19055	0.1028	
55 2-Nitroaniline	65	10.816	10.818	-0.002	2687	0.1000	
56 Dimethyl phthalate	163	10.917	10.919	-0.002	23080	0.0943	
57 2,6-Dinitrotoluene	165	10.994	10.995	-0.001	1878	0.1000	
58 Acenaphthylene	152	11.119	11.120	-0.001	31196	0.0893	
59 3-Nitroaniline	138	11.167	11.164	0.003	2179	0.1000	
61 Acenaphthene	153	11.263	11.265	-0.002	27577	0.1034	
63 2,4-Dinitrotoluene	165	11.350	11.347	0.004	1934	0.1000	
64 Dibenzofuran	168	11.403	11.404	-0.001	36174	0.1028	
65 2,3,4,6-Tetrachlorophenol	232	11.499	11.491	0.008	1914	0.1000	
66 Diethyl phthalate	149	11.499	11.500	-0.001	21855	0.0924	
67 4-Chlorophenyl phenyl ether	204	11.653	11.654	-0.001	13193	0.1011	
68 4-Nitroaniline	138	11.696	11.698	-0.002	2819	0.1000	
69 Fluorene	166	11.701	11.702	-0.001	28228	0.0992	
72 N-Nitrosodiphenylamine	169	11.749	11.750	-0.001	19338	0.0896	
71 Diphenylamine	169	11.749	11.750	-0.001	19338	0.0896	
74 Azobenzene	77	11.792	11.794	-0.002	30573	0.1000	
73 1,2-Diphenylhydrazine	77	11.792	11.794	-0.002	30573	0.1000	
13 Benzophenone	105	11.807	11.808	-0.001	18636	0.1000	
75 4-Bromophenyl phenyl ether	248	12.086	12.087	-0.001	5983	0.0946	
77 Atrazine	200	12.163	12.159	0.004	4017	0.1000	
76 Hexachlorobenzene	284	12.187	12.188	-0.001	6951	0.1040	
80 Phenanthrene	178	12.581	12.587	-0.006	41362	0.1042	
81 Anthracene	178	12.634	12.635	-0.001	32368	0.0931	
83 Carbazole	167	12.769	12.765	0.003	26138	0.0966	
84 Di-n-butyl phthalate	149	12.995	12.996	-0.001	31499	0.1000	
87 Fluoranthene	202	14.028	14.030	-0.002	29475	0.0909	
85 Pyrene	202	14.418	14.419	-0.001	30216	0.1037	
89 Butyl benzyl phthalate	149	15.365	15.367	-0.002	6229	0.1000	
92 Bis(2-ethylhexyl) phthalate	149	16.255	16.256	-0.001	9626	0.1000	
91 3,3'-Dichlorobenzidine	252	16.322	16.324	-0.002	2735	0.1000	
93 Benzo[a]anthracene	228	16.428	16.429	-0.001	16675	0.0946	
94 Chrysene	228	16.495	16.497	-0.002	19261	0.1034	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
95 Di-n-octyl phthalate	149	17.419	17.420	-0.001	12400	0.1000	
97 Benzo[b]fluoranthene	252	18.510	18.510	0.000	12174	0.0947	M
98 Benzo[k]fluoranthene	252	18.578	18.578	0.000	10798	0.0921	M
99 Benzo[a]pyrene	252	19.318	19.318	0.000	6550	0.1000	M
100 Indeno[1,2,3-cd]pyrene	276	22.622	22.622	0.000	5457	0.0913	M
101 Dibenz(a,h)anthracene	278	22.651	22.651	0.000	4310	0.0916	M
102 Benzo[g,h,i]perylene	276	23.603	23.603	0.000	5996	0.1023	M

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 27-Aug-2009 12:05:20 Chrom Revision: 1.0.2009.729

Data File: \\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D

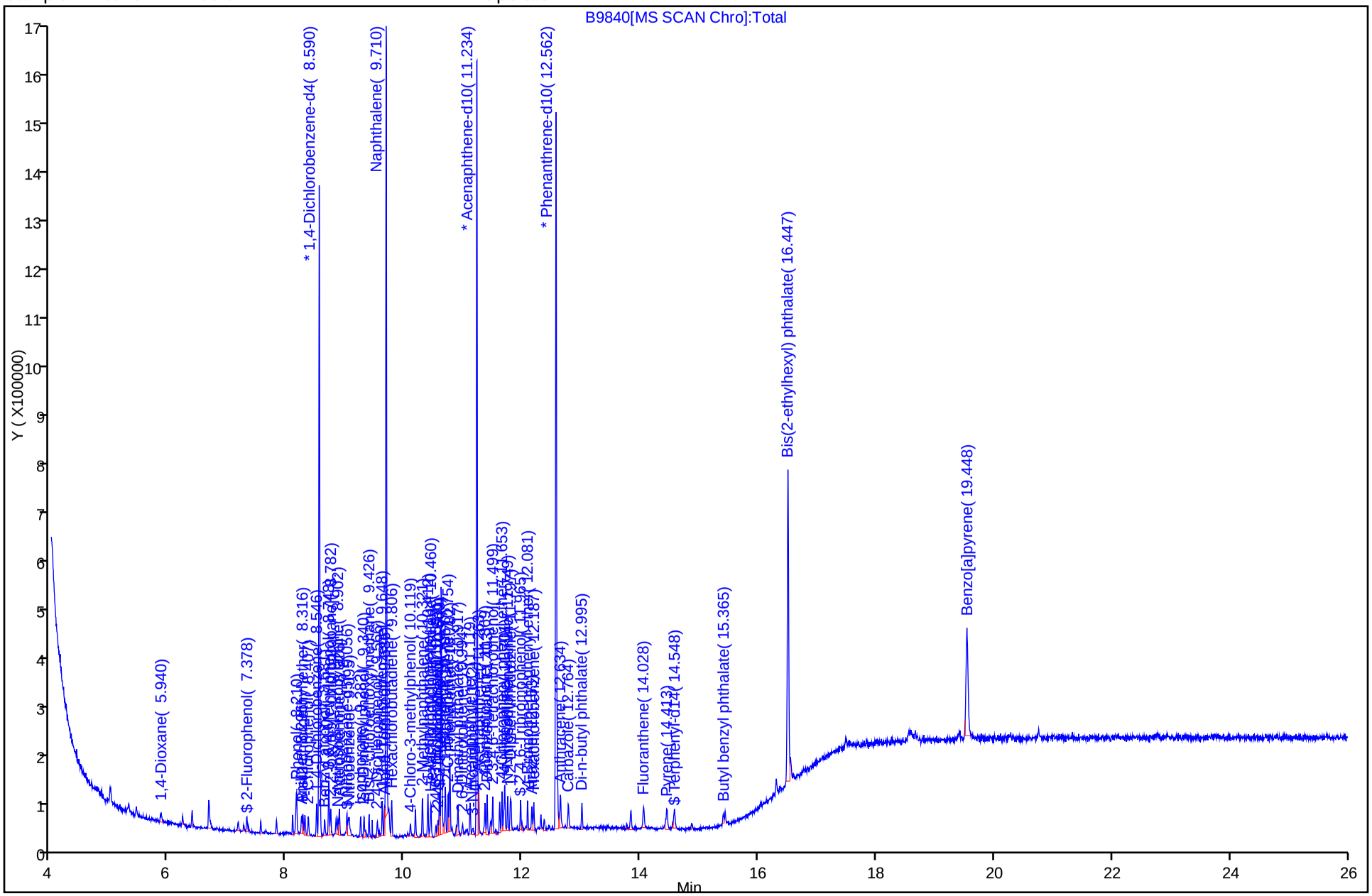
Inj Date: 27-Aug-2009 09:45:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48241 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: STD01

Sample Amount: 2.00 uL Operator: MZ



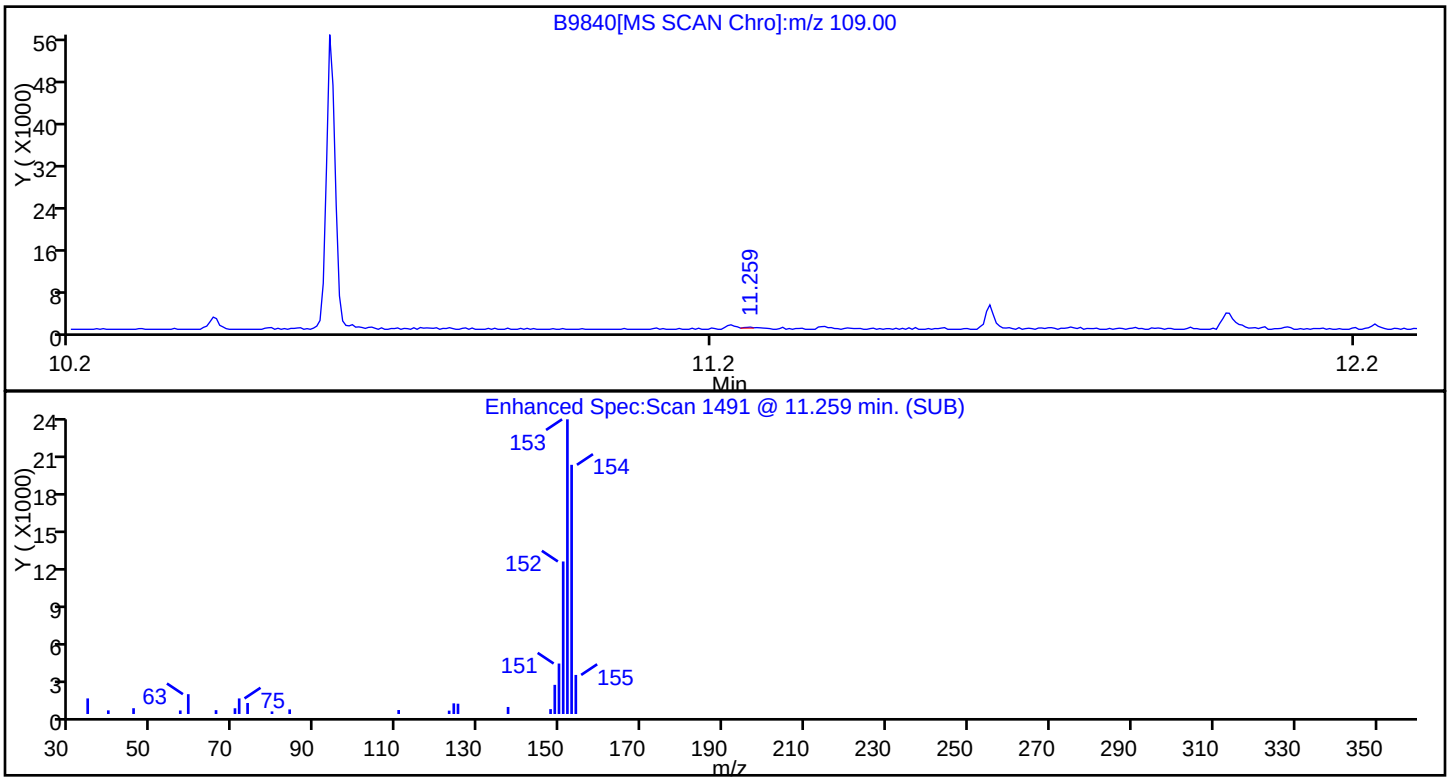
Chrom Revision: 1.0.2009.729

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Inj Date:	27-Aug-2009 09:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	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
11.26	109.00	155	0.100000
11.26	139.00	846	
11.26	64.00	1036	

Reviewer: sullivanp, 27-Aug-2009 12:05:20
Audit Action: Marked Compound Undetected
Audit Reason:

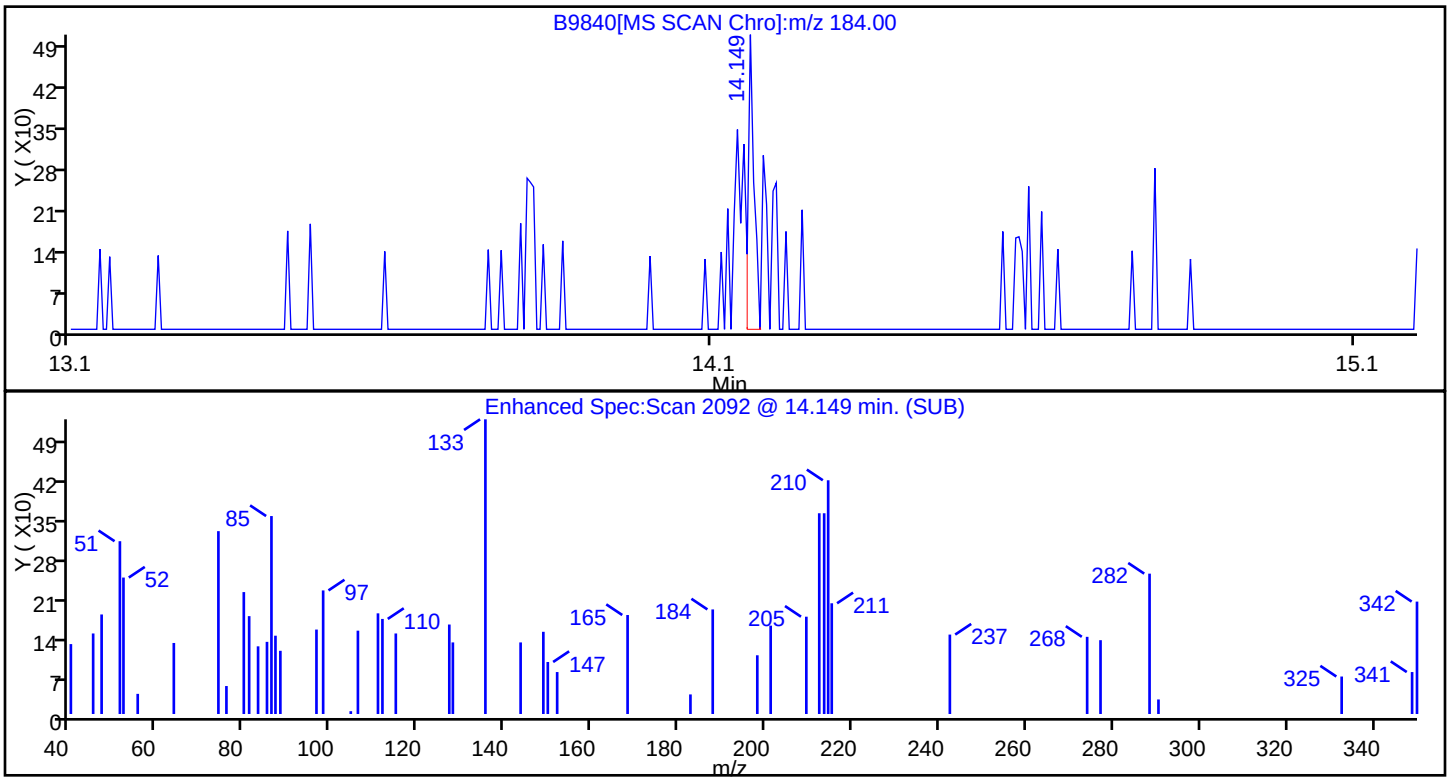
Chrom Revision: 1.0.2009.729

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Inj Date:	27-Aug-2009 09:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	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
14.15	184.00	299	0.100000
14.14	92.00	206	
14.14	156.00	52	

Reviewer: sullivanp, 27-Aug-2009 12:05:20
Audit Action: Marked Compound Undetected
Audit Reason:

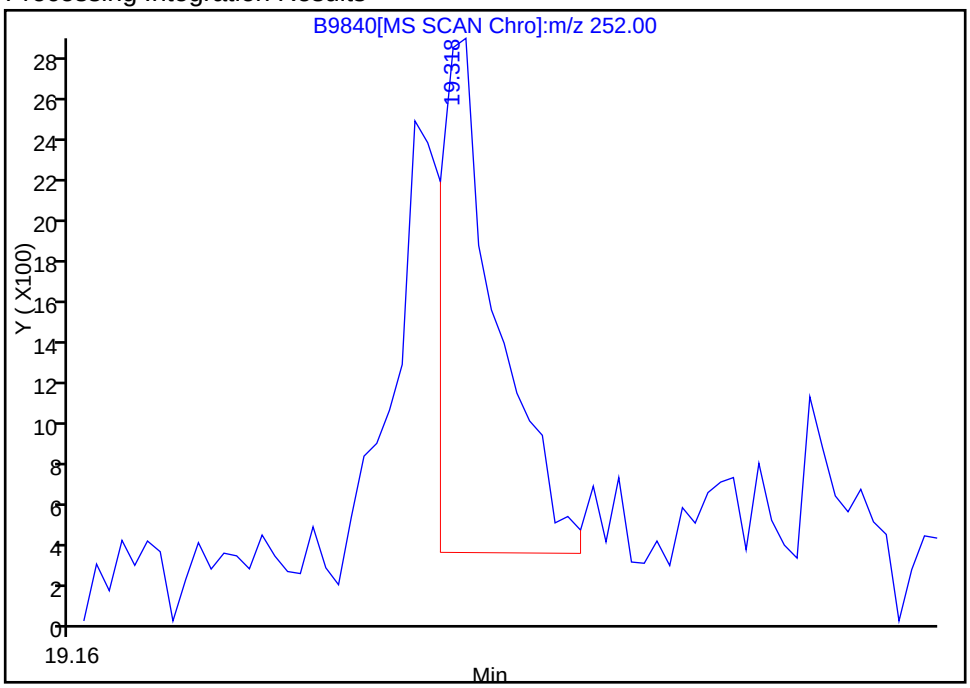
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Inj Date:	27-Aug-2009 09:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	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: 19.32

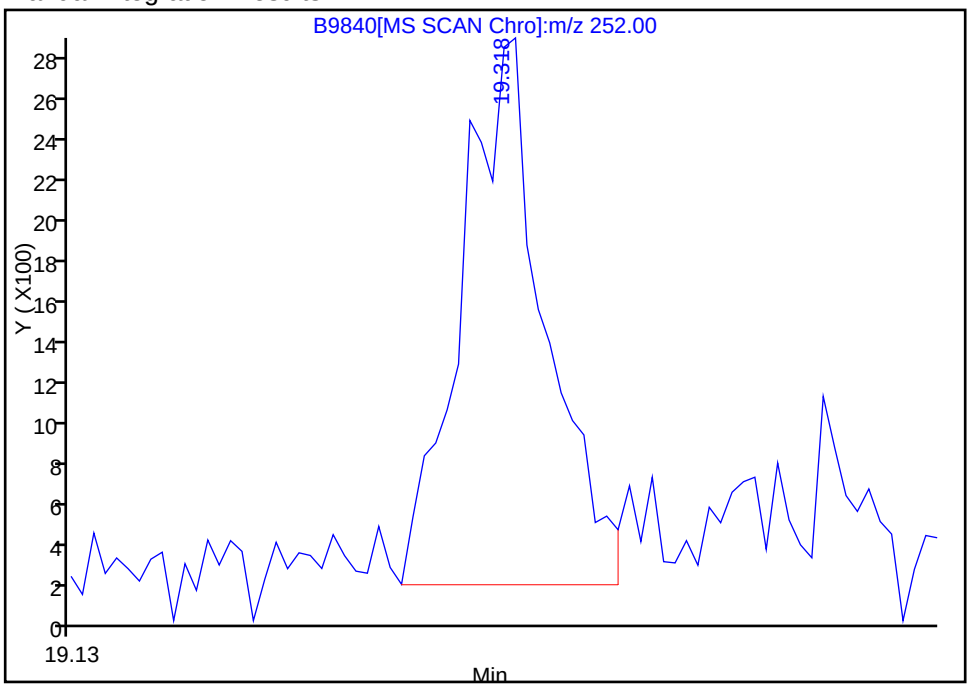
Processing Integration Results

RT: 19.32
Response: 3711
Amount: 0.100000



Manual Integration Results

RT: 19.32
Response: 6550
Amount: 0.100000



Reviewer: sullivanp, 27-Aug-2009 12:05:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

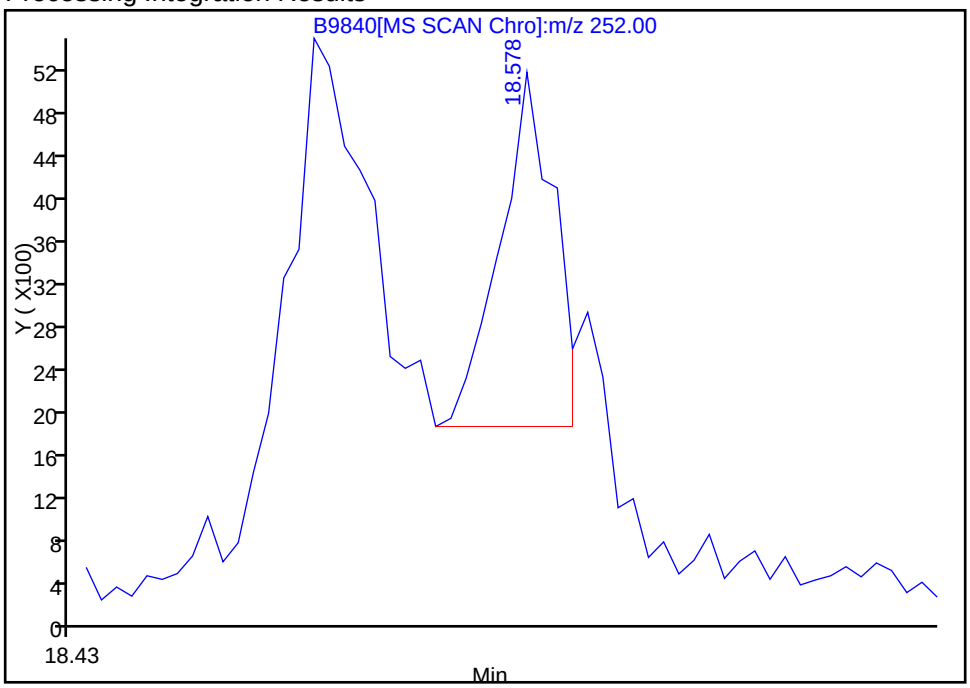
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Inj Date:	27-Aug-2009 09:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	STD01		
Sample Amount:	2.00 uL	Operator:	MZ

98 Benzo[k]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 18.58

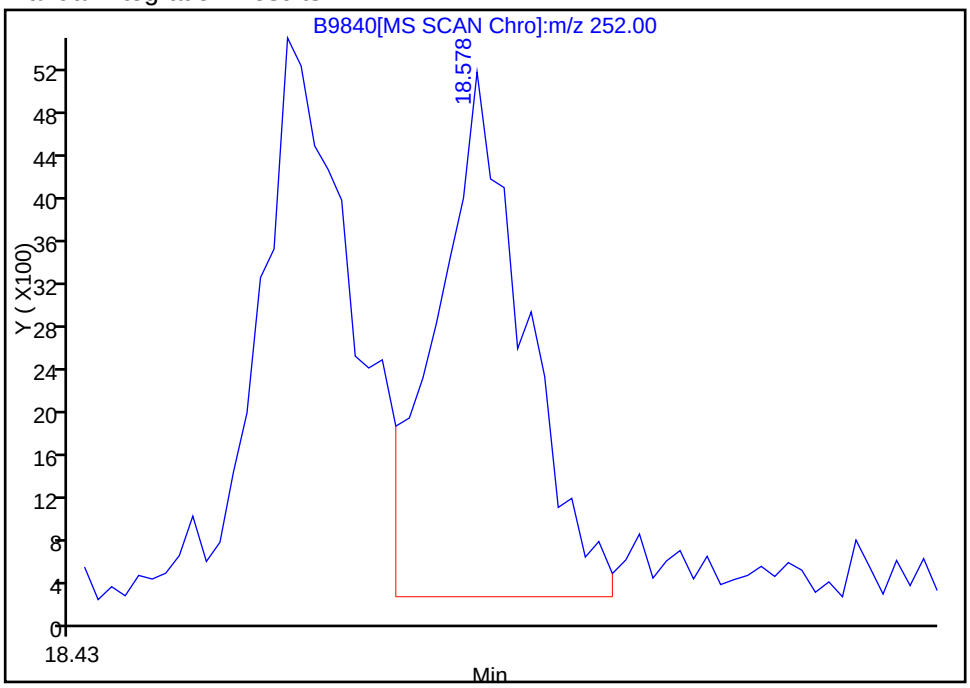
Processing Integration Results

RT: 18.58
Response: 3987
Amount: 0.100000



Manual Integration Results

RT: 18.58
Response: 10798
Amount: 0.092129



Reviewer: sullivanp, 27-Aug-2009 12:05:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

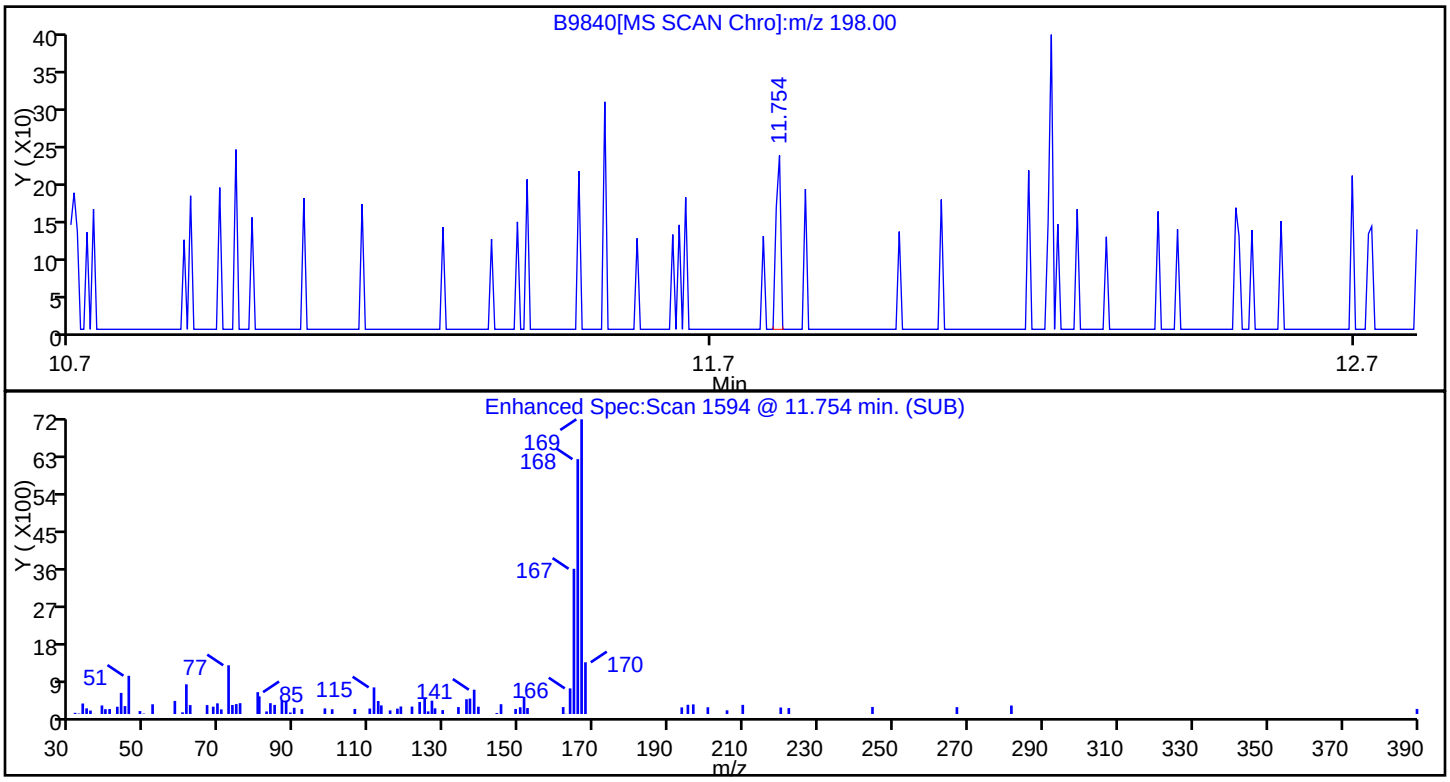
Chrom Revision: 1.0.2009.729

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Inj Date:	27-Aug-2009 09:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	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
11.75	198.00	115	0.100000
11.76	121.00	119	
11.76	105.00	244	

Reviewer: sullivanp, 27-Aug-2009 12:05:20
Audit Action: Marked Compound Undetected
Audit Reason:

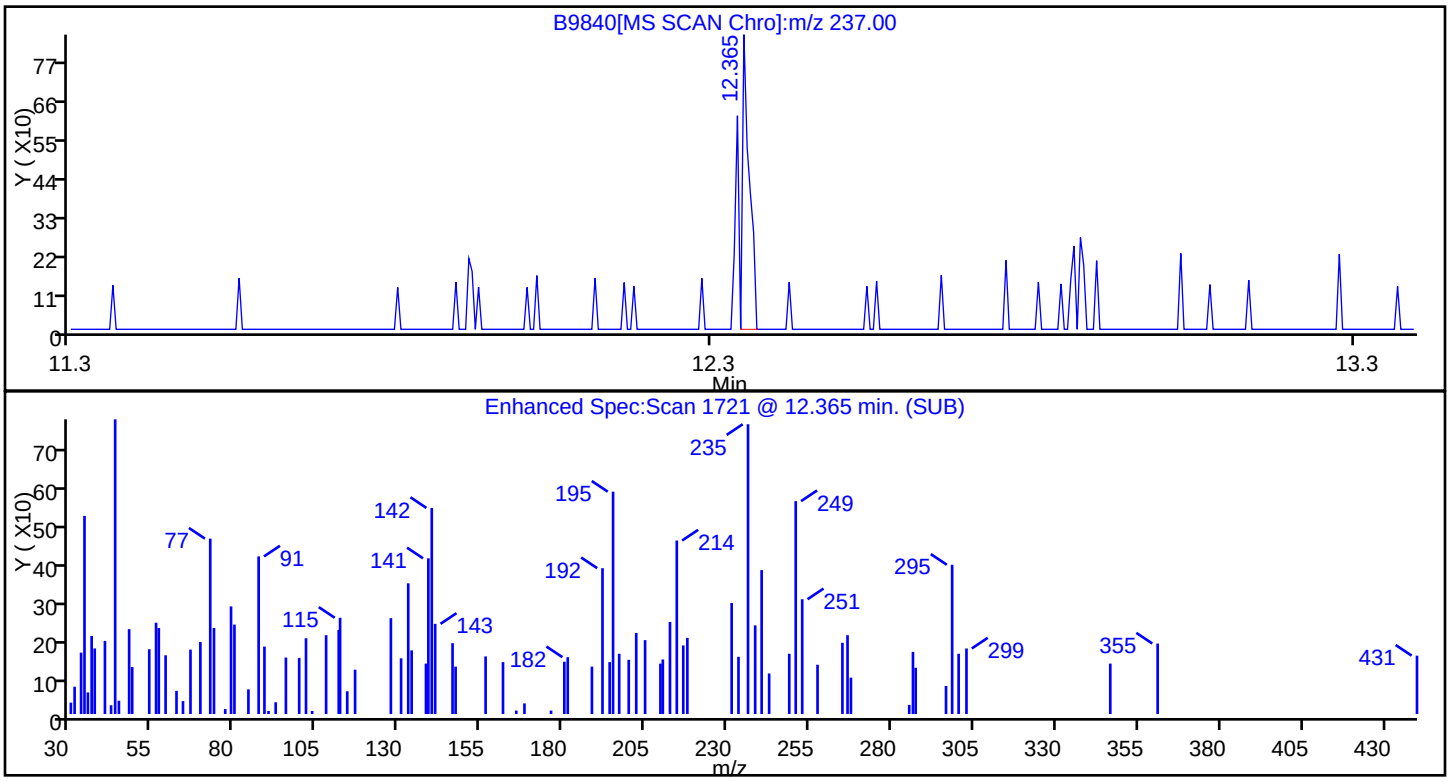
Chrom Revision: 1.0.2009.729

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Inj Date:	27-Aug-2009 09:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	STD01		
Sample Amount:	2.00 uL	Operator:	MZ

79 Pentachloronitrobenzene

Processing Results



RT	Mass	Response	Amount
12.36	237.00	590	0.100000
12.36	214.00	774	
12.35	295.00	220	

Reviewer: sullivanp, 27-Aug-2009 12:05:20
Audit Action: Marked Compound Undetected
Audit Reason:

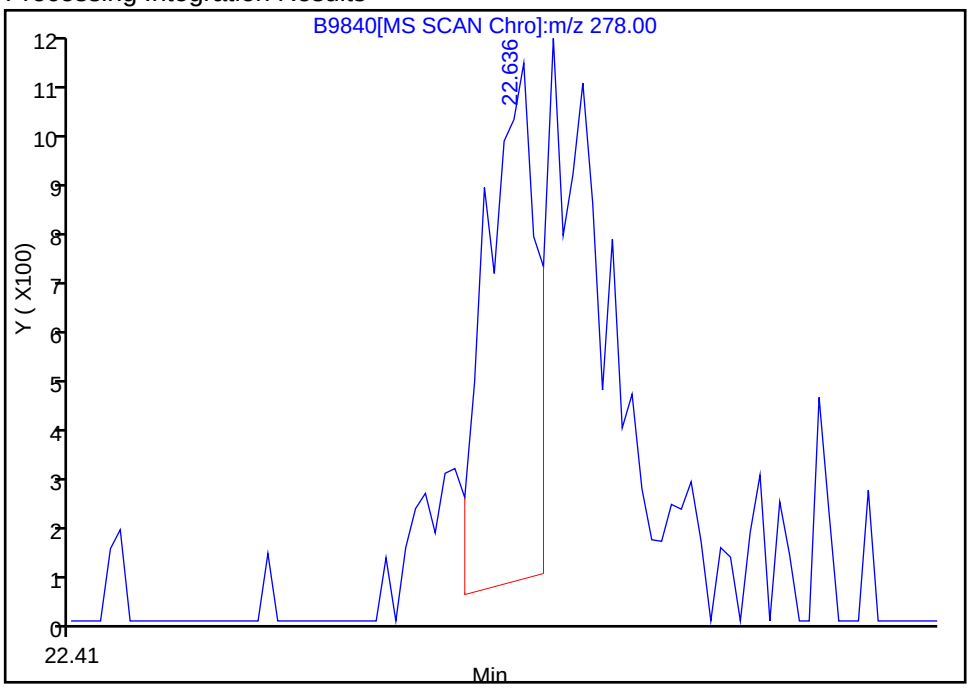
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Inj Date:	27-Aug-2009 09:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	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: 22.65

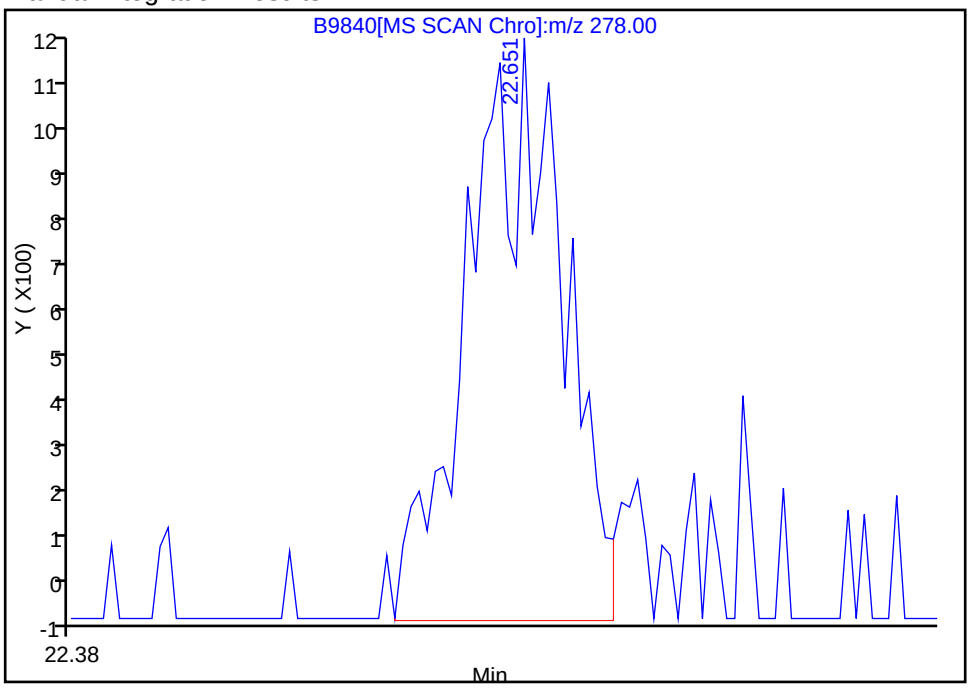
Processing Integration Results

RT: 22.64
Response: 1690
Amount: 0.100000



Manual Integration Results

RT: 22.65
Response: 4310
Amount: 0.091639



Reviewer: sullivanp, 27-Aug-2009 12:05:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

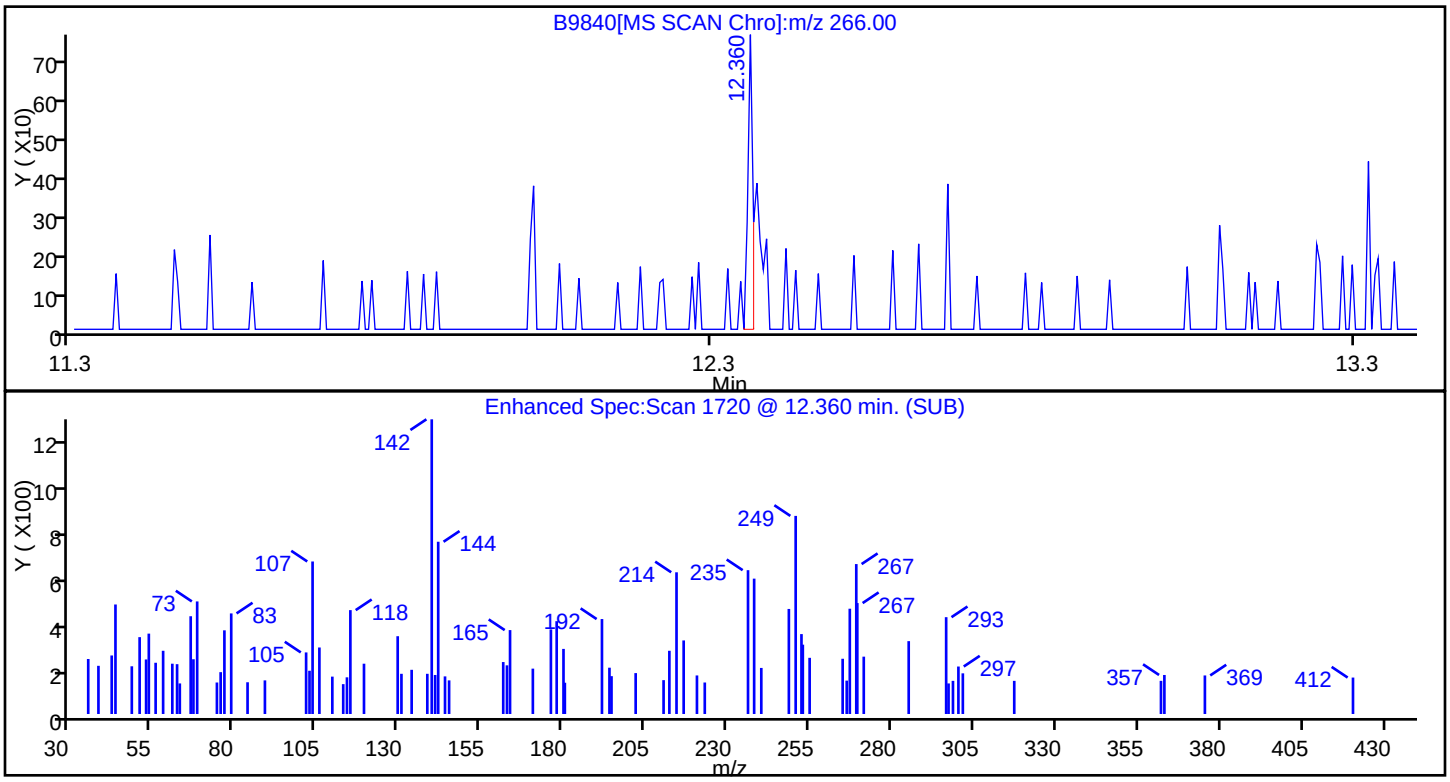
Chrom Revision: 1.0.2009.729

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Inj Date:	27-Aug-2009 09:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	STD01		
Sample Amount:	2.00 uL	Operator:	MZ

78 Pentachlorophenol

Processing Results



RT	Mass	Response	Amount
12.36	266.00	379	0.027123
12.36	264.00	101	
12.36	268.00	59	

Reviewer: sullivanp, 27-Aug-2009 12:05:20
Audit Action: Marked Compound Undetected
Audit Reason:

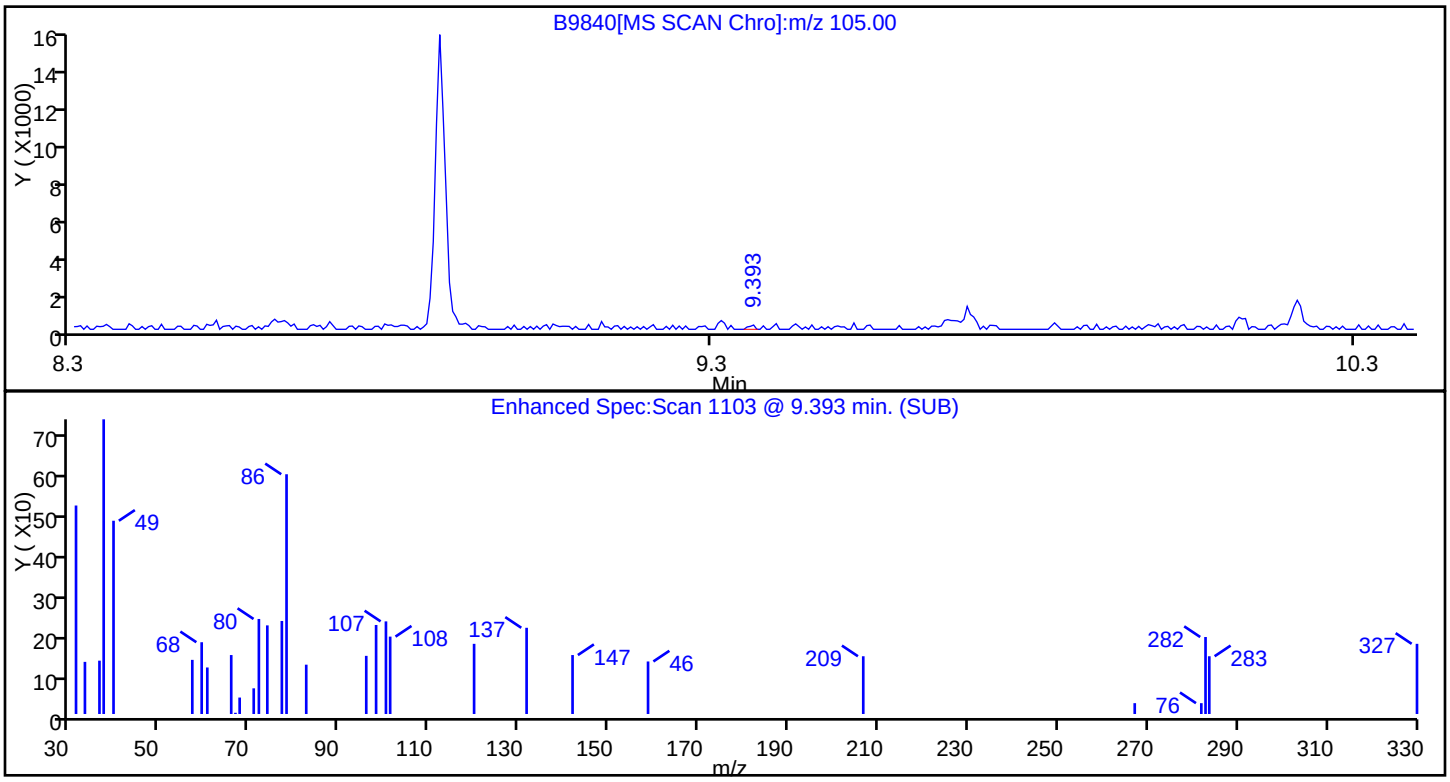
Chrom Revision: 1.0.2009.729

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Inj Date:	27-Aug-2009 09:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	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
9.39	105.00	144	0.100000
9.40	122.00	96	
9.40	77.00	231	

Reviewer: sullivanp, 27-Aug-2009 12:05:20
Audit Action: Marked Compound Undetected
Audit Reason:

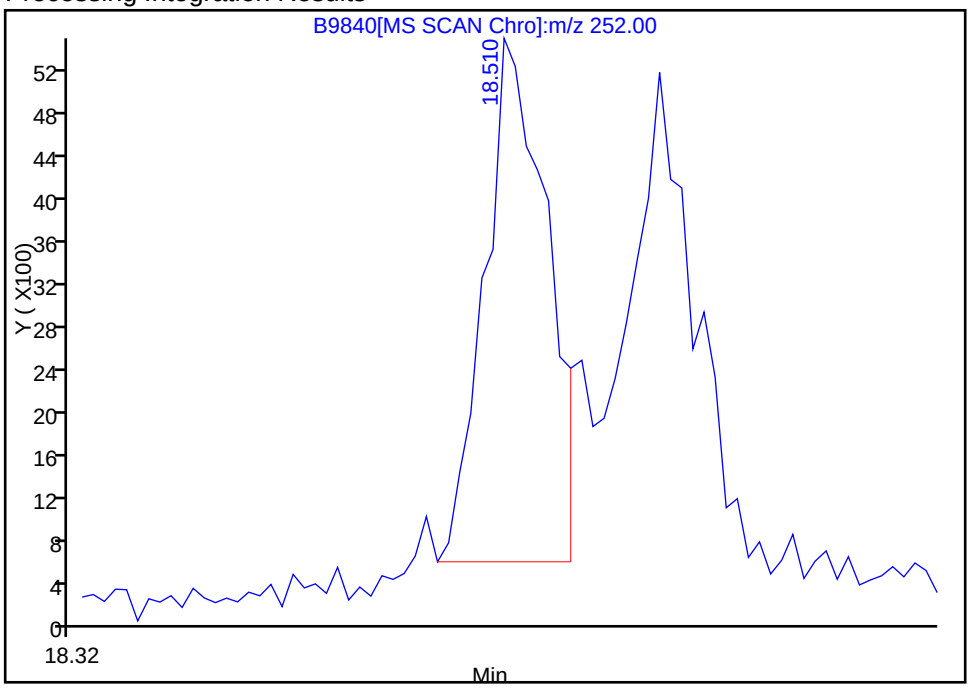
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Inj Date:	27-Aug-2009 09:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	STD01		
Sample Amount:	2.00 uL	Operator:	MZ

97 Benzo[b]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 18.51

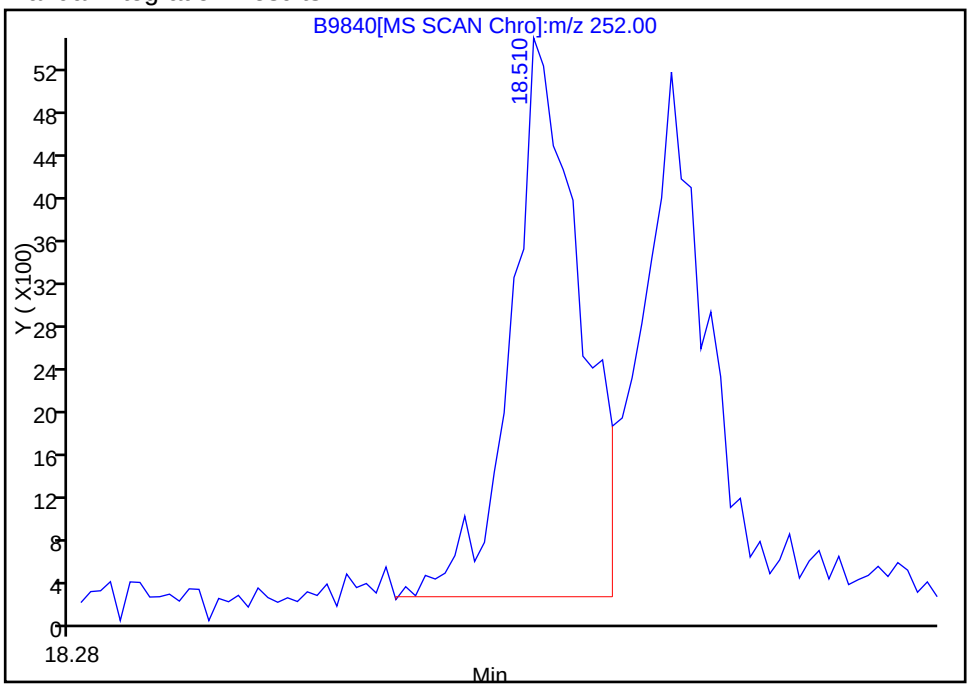
Processing Integration Results

RT: 18.51
Response: 9309
Amount: 0.100000



Manual Integration Results

RT: 18.51
Response: 12174
Amount: 0.094692



Reviewer: sullivanp, 27-Aug-2009 12:05:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

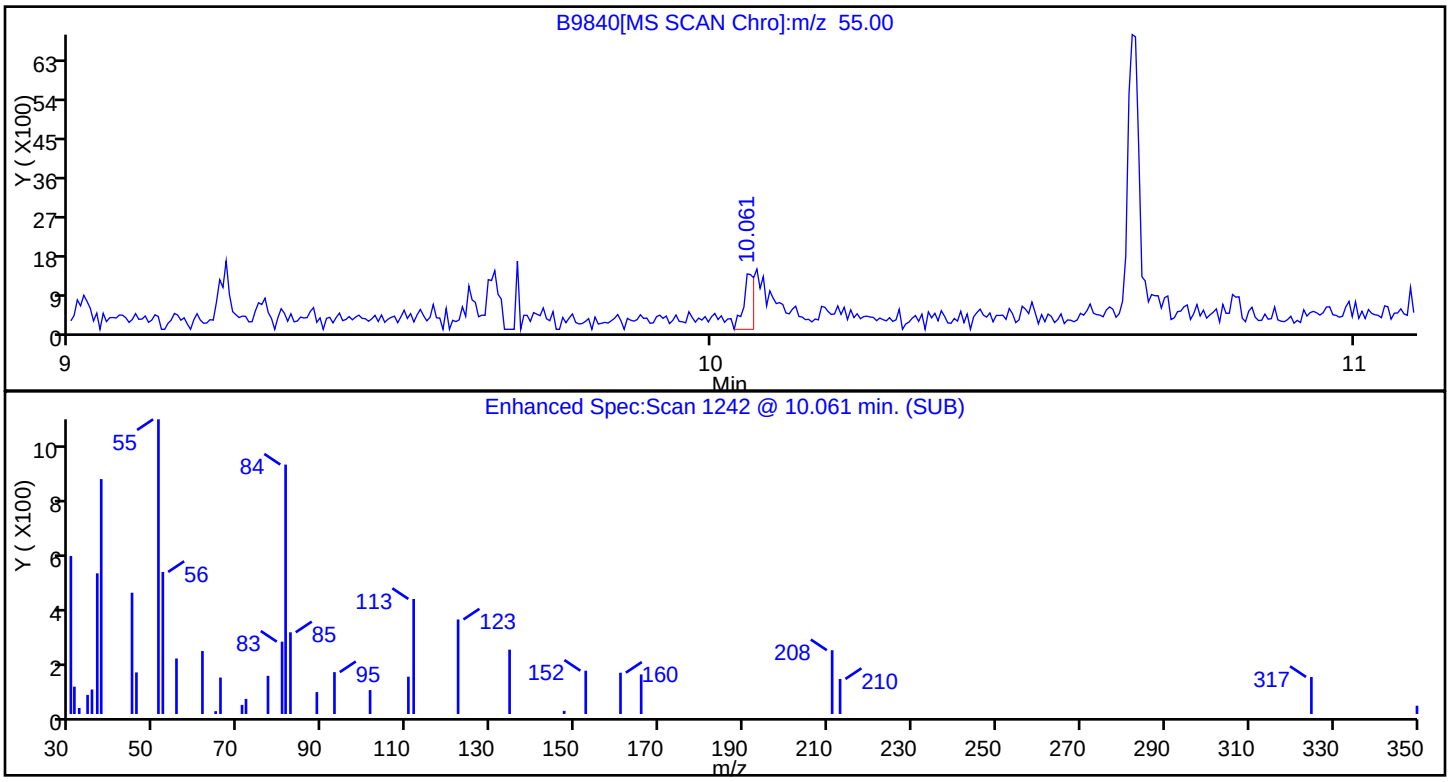
Chrom Revision: 1.0.2009.729

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Inj Date:	27-Aug-2009 09:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	STD01		
Sample Amount:	2.00 uL	Operator:	MZ

44 Caprolactam

Processing Results



RT	Mass	Response	Amount
10.06	55.00	1407	0.100000
10.07	113.00	1171	
10.07	85.00	560	

Reviewer: sullivanp, 27-Aug-2009 12:05:20
Audit Action: Marked Compound Undetected
Audit Reason:

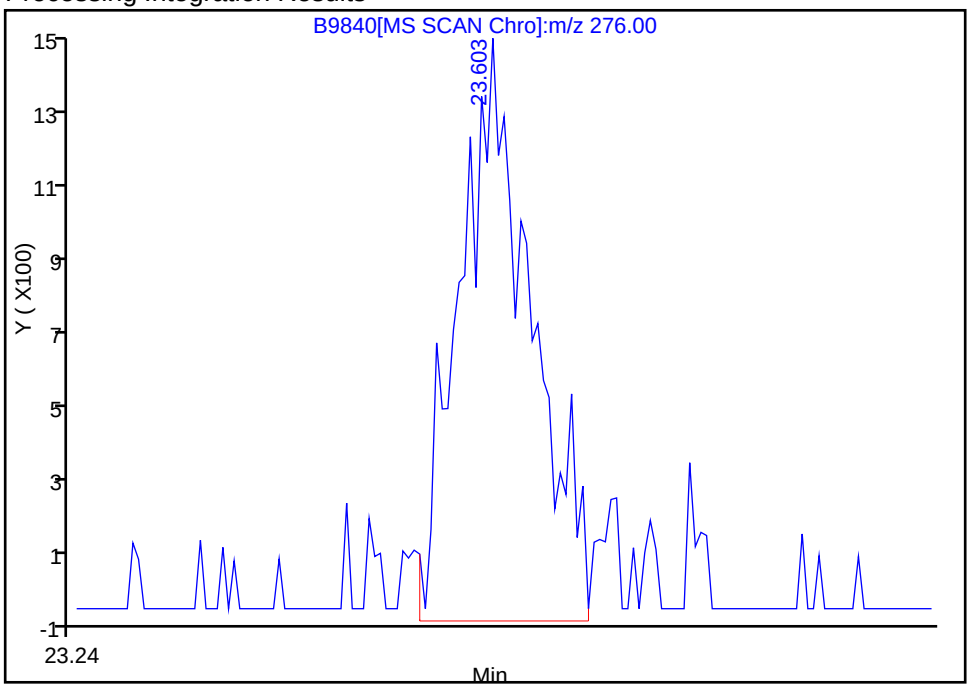
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Inj Date:	27-Aug-2009 09:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	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: 23.60

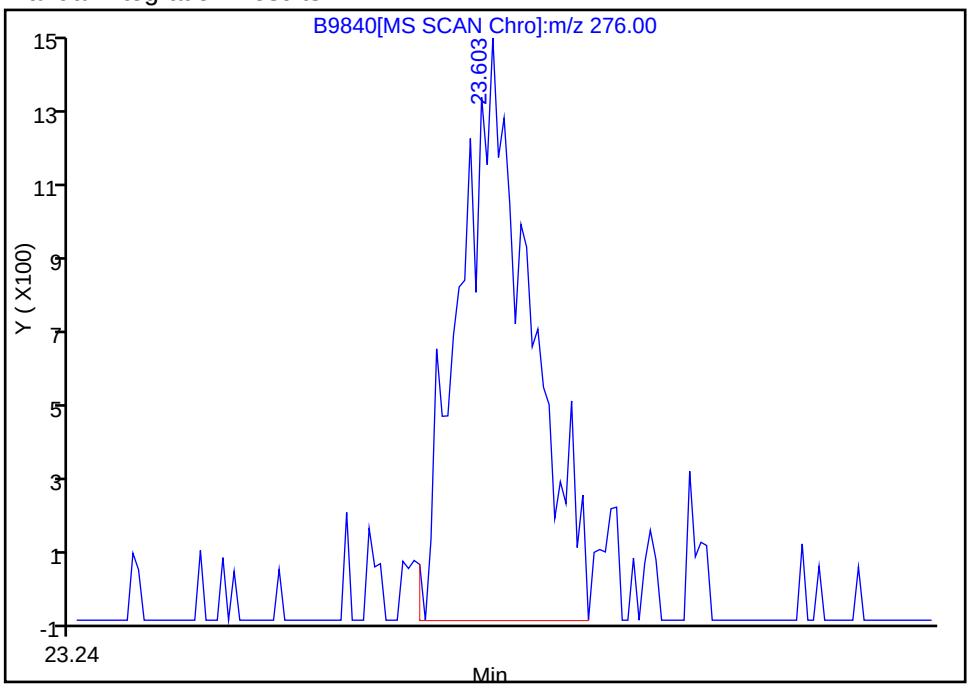
Processing Integration Results

RT: 23.60
Response: 6264
Amount: 0.104524



Manual Integration Results

RT: 23.60
Response: 5996
Amount: 0.102340



Reviewer: sullivanp, 27-Aug-2009 12:05:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

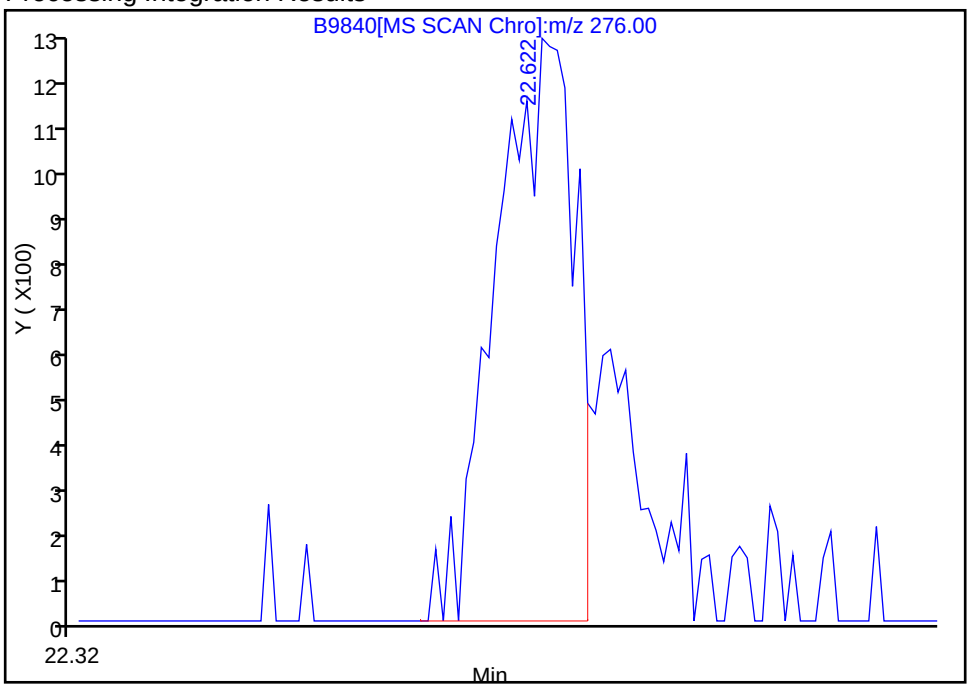
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9840.D		
Inj Date:	27-Aug-2009 09:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	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: 22.62

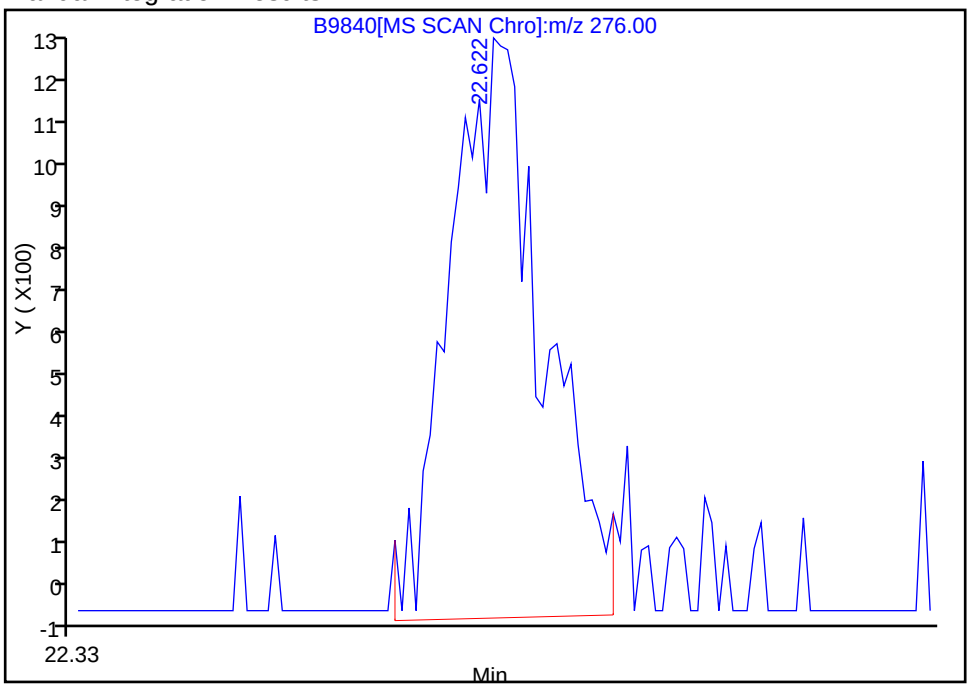
Processing Integration Results

RT: 22.62
Response: 4202
Amount: 0.100000



Manual Integration Results

RT: 22.62
Response: 5457
Amount: 0.091292



Reviewer: sullivanp, 27-Aug-2009 12:05:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9841.D		
Lims ID:	STD025	Client ID:	
Inject. Date:	27-Aug-2009 10:19:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	STD025		
Misc. Info.:	360-0000982-004		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	4
Lims Batch ID:	48241	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\8270B.m		
Last Update:	27-Aug-2009 12:08:32	Calib Date:	27-Aug-2009 10:19:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9841.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 27-Aug-2009 12:08:32

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.589	8.591	-0.002	424723	2.00	
* 2 Naphthalene-d8	136	9.714	9.712	0.002	1003671	2.00	
* 3 Acenaphthene-d10	164	11.233	11.231	0.002	489510	2.00	
* 4 Phenanthrene-d10	188	12.561	12.558	0.003	769698	2.00	
* 5 Chrysene-d12	240	16.446	16.453	-0.007	453924	2.00	
* 6 Perylene-d12	264	19.447	19.449	-0.002	247086	2.00	
$ 7 2-Fluorophenol	112	7.377	7.379	-0.002	30786	0.2566	
$ 8 Phenol-d5	99	8.199	8.197	0.002	38453	0.2564	
$ 9 Nitrobenzene-d5	82	9.079	9.072	0.007	29483	0.2207	
$ 10 2-Fluorobiphenyl	172	10.608	10.606	0.002	85539	0.2506	
$ 11 2,4,6-Tribromophenol	330	11.907	11.909	-0.002	2859	0.1790	
$ 12 Terphenyl-d14	244	14.542	14.544	-0.002	51473	0.2442	
14 1,4-Dioxane	88	5.525	5.523	0.002	16785	0.2500	
15 N-Nitrosodimethylamine	42	5.934	5.932	0.002	20169	0.2519	
16 Pyridine	79	6.155	6.155	0.000	17269	0.2500	M
18 Phenol	94	8.209	8.211	-0.002	42307	0.2548	
17 Benzaldehyde	94	8.209	8.211	-0.002	42307	0.2548	
19 Aniline	93	8.295	8.293	0.002	46982	0.2509	
20 Bis(2-chloroethyl)ether	93	8.314	8.312	0.002	47006	0.2643	
21 2-Chlorophenol	128	8.406	8.408	-0.002	33082	0.2473	
22 1,4-Dichlorobenzene	146	8.545	8.548	-0.003	49090	0.2717	
23 1,3-Dichlorobenzene	146	8.608	8.605	0.003	48968	0.2634	
24 Benzyl alcohol	79	8.680	8.682	-0.002	20785	0.2279	
26 2-Methylphenol	108	8.680	8.682	-0.002	16279	0.2378	
28 3 & 4 Methylphenol	108	8.747	8.750	-0.003	30271	0.2522	
25 1,2-Dichlorobenzene	146	8.747	8.750	-0.003	44889	0.2591	
27 2,2'-oxybis[1-chloropropane]	45	8.781	8.779	0.002	66981	0.2664	
29 N-Nitrosodi-n-propylamine	70	8.901	8.899	0.002	20069	0.2449	
30 Acetophenone	105	8.925	8.923	0.002	45628	0.2520	
31 Hexachloroethane	117	9.055	9.053	0.002	14125	0.2451	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	9.093	9.091	0.002	27188	0.2181	
33 Isophorone	82	9.281	9.279	0.002	51897	0.2218	
35 2,4-Dimethylphenol	107	9.339	9.341	-0.002	26560	0.2318	
34 2-Nitrophenol	139	9.368	9.365	0.003	6424	0.1821	
37 Bis(2-chloroethoxy)methane	93	9.425	9.423	0.002	43289	0.2477	
38 2,4-Dichlorophenol	162	9.565	9.562	0.003	20847	0.2219	
39 1,2,4-Trichlorobenzene	180	9.646	9.649	-0.003	37231	0.2502	
40 Alpha-Terpineol	59	9.685	9.683	0.002	26364	0.2405	
41 Naphthalene	128	9.733	9.731	0.002	131540	0.2499	
42 4-Chloroaniline	127	9.752	9.745	0.007	55153	0.2516	
43 Hexachlorobutadiene	225	9.805	9.808	-0.003	18346	0.2538	
44 Caprolactam	55	10.050	10.050	0.000	6255	0.2500	M
45 4-Chloro-3-methylphenol	107	10.118	10.120	-0.002	19903	0.2196	
46 2-Methylnaphthalene	142	10.320	10.317	0.003	74381	0.2468	
47 1-Methylnaphthalene	142	10.411	10.414	-0.003	79135	0.2533	
48 Hexachlorocyclopentadiene	237	10.445	10.442	0.003	4424	0.1945	
49 1,2,4,5-Tetrachlorobenzene	216	10.464	10.462	0.002	32656	0.2472	
50 2,4,6-Trichlorophenol	196	10.546	10.543	0.003	13219	0.2215	
51 2,4,5-Trichlorophenol	196	10.584	10.587	-0.003	12266	0.2112	
52 1,1'-Biphenyl	154	10.704	10.707	-0.003	95324	0.2515	
53 2-Chloronaphthalene	162	10.753	10.750	0.002	80740	0.2427	
54 Phenyl ether	170	10.781	10.784	-0.003	51077	0.2447	
55 2-Nitroaniline	65	10.815	10.815	0.000	6853	0.1795	M
56 Dimethyl phthalate	163	10.916	10.919	-0.003	65864	0.2378	
57 2,6-Dinitrotoluene	165	10.993	10.995	-0.002	6938	0.1904	
58 Acenaphthylene	152	11.118	11.120	-0.002	92730	0.2357	
59 3-Nitroaniline	138	11.161	11.164	-0.003	7089	0.1981	
61 Acenaphthene	153	11.262	11.265	-0.003	76663	0.2487	
63 2,4-Dinitrotoluene	165	11.344	11.347	-0.002	6502	0.1790	
64 Dibenzofuran	168	11.402	11.404	-0.002	98912	0.2449	
65 2,3,4,6-Tetrachlorophenol	232	11.493	11.491	0.002	7176	0.2016	
66 Diethyl phthalate	149	11.498	11.500	-0.002	64682	0.2404	
67 4-Chlorophenyl phenyl ether	204	11.652	11.654	-0.002	36905	0.2460	
68 4-Nitroaniline	138	11.695	11.698	-0.003	6710	0.1924	
69 Fluorene	166	11.700	11.702	-0.002	77961	0.2408	
72 N-Nitrosodiphenylamine	169	11.748	11.750	-0.002	60469	0.2418	
71 Diphenylamine	169	11.748	11.750	-0.002	60469	0.2418	
74 Azobenzene	77	11.796	11.794	0.002	97638	0.2305	
73 1,2-Diphenylhydrazine	77	11.796	11.794	0.002	97638	0.2305	
13 Benzophenone	105	11.806	11.808	-0.002	62809	0.2326	
75 4-Bromophenyl phenyl ether	248	12.085	12.087	-0.002	17795	0.2426	
77 Atrazine	200	12.157	12.159	-0.002	13368	0.2211	
76 Hexachlorobenzene	284	12.190	12.188	0.002	18141	0.2368	
79 Pentachloronitrobenzene	237	12.363	12.366	-0.003	3017	0.2500	
80 Phenanthrene	178	12.585	12.587	-0.002	111510	0.2424	
81 Anthracene	178	12.638	12.635	0.003	93211	0.2348	
83 Carbazole	167	12.767	12.765	0.002	76491	0.2433	
84 Di-n-butyl phthalate	149	12.993	12.996	-0.003	81615	0.2110	
87 Fluoranthene	202	14.027	14.030	-0.003	83454	0.2283	
86 Benzidine	184	14.133	14.140	-0.007	2929	0.2500	
85 Pyrene	202	14.422	14.419	0.003	89025	0.2473	
89 Butyl benzyl phthalate	149	15.364	15.367	-0.003	20674	0.2071	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
92 Bis(2-ethylhexyl) phthalate	149	16.249	16.256	-0.007	27295	0.1968	
91 3,3'-Dichlorobenzidine	252	16.321	16.324	-0.003	8401	0.2289	
93 Benzo[a]anthracene	228	16.427	16.429	-0.002	48592	0.2306	
94 Chrysene	228	16.494	16.497	-0.003	56386	0.2457	
95 Di-n-octyl phthalate	149	17.418	17.420	-0.002	33716	0.1858	
97 Benzo[b]fluoranthene	252	18.519	18.510	0.009	37192	0.2313	
98 Benzo[k]fluoranthene	252	18.581	18.581	0.000	35837	0.2403	M
99 Benzo[a]pyrene	252	19.307	19.307	0.000	21756	0.2179	M
100 Indeno[1,2,3-cd]pyrene	276	22.611	22.622	-0.011	13669	0.1982	
101 Dibenz(a,h)anthracene	278	22.645	22.645	0.000	10578	0.1962	M
102 Benzo[g,h,i]perylene	276	23.606	23.606	0.000	14151	0.2039	M

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 27-Aug-2009 12:08:33 Chrom Revision: 1.0.2009.729

Data File: \\wessvr06\chromdata\INSTB.i\20090827-1.b\B9841.D

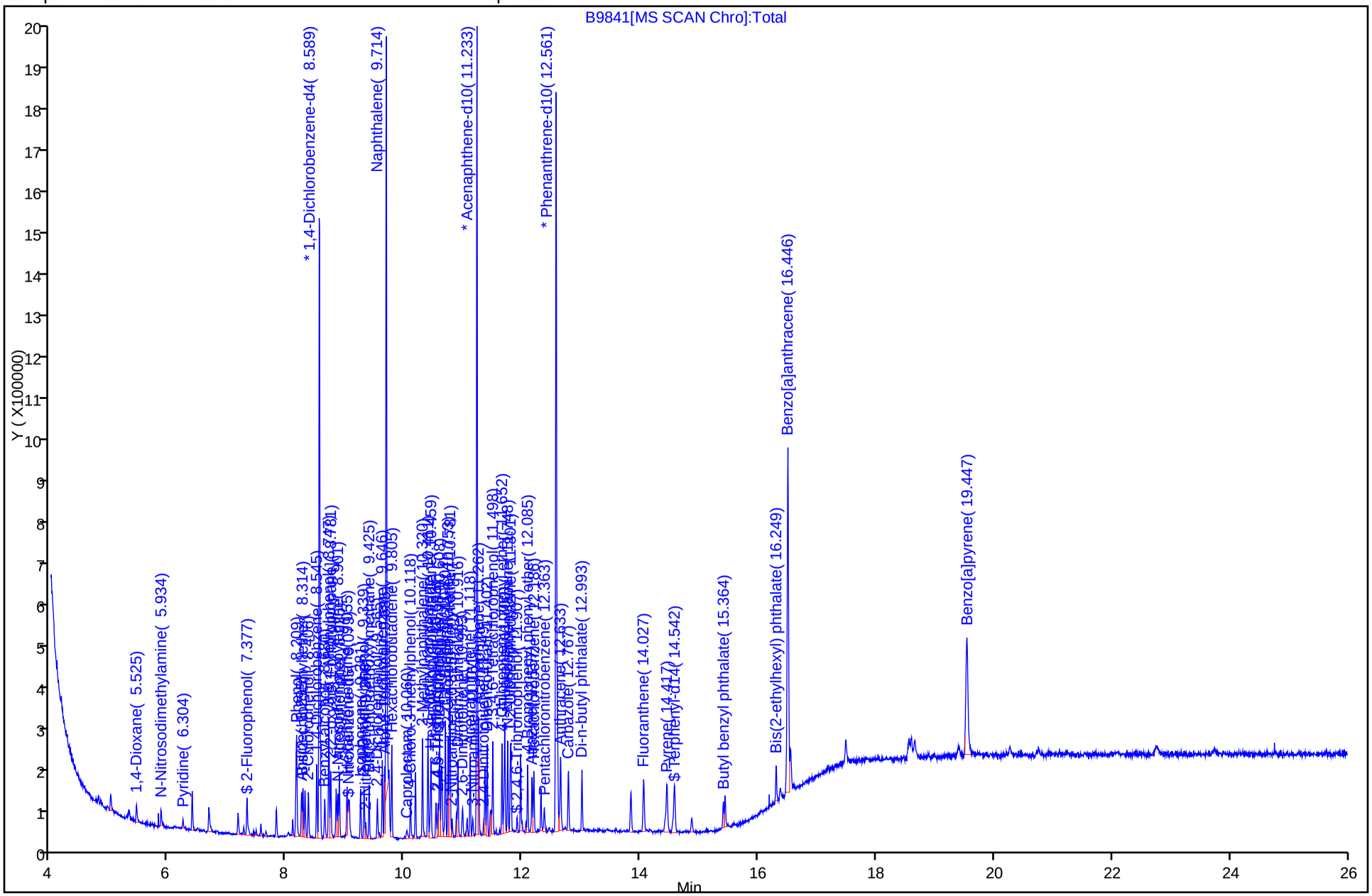
Inj Date: 27-Aug-2009 10:19:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48241 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: STD025

Sample Amount: 2.00 uL Operator: MZ



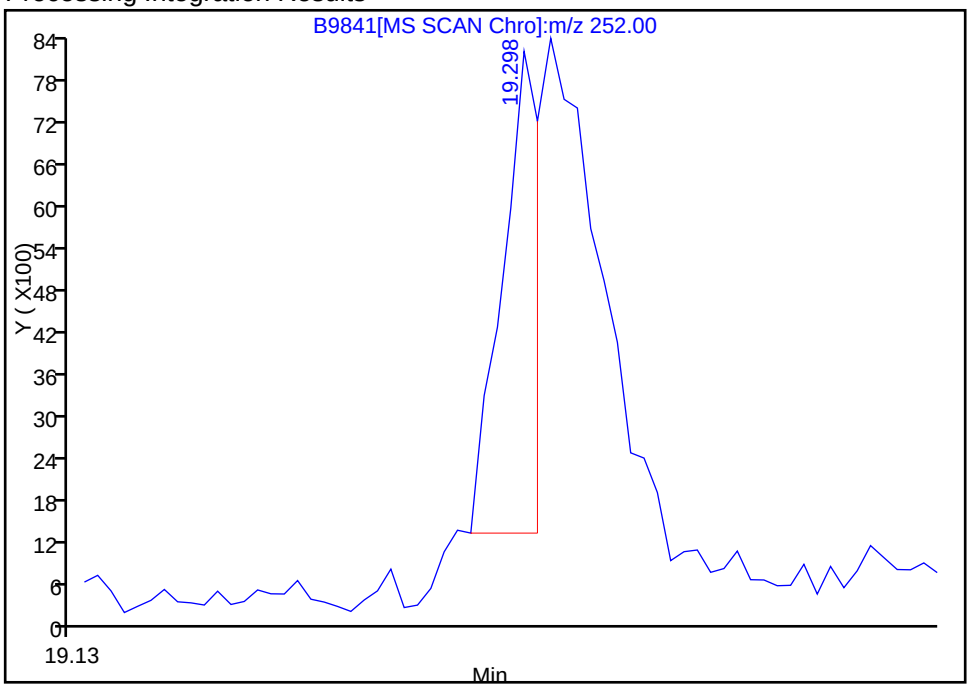
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9841.D		
Inj Date:	27-Aug-2009 10:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	STD025		
Sample Amount:	2.00 uL	Operator:	MZ

99 Benzo[a]pyrene, Number: 1, m/z: 252 Type: quant, RT: 19.31

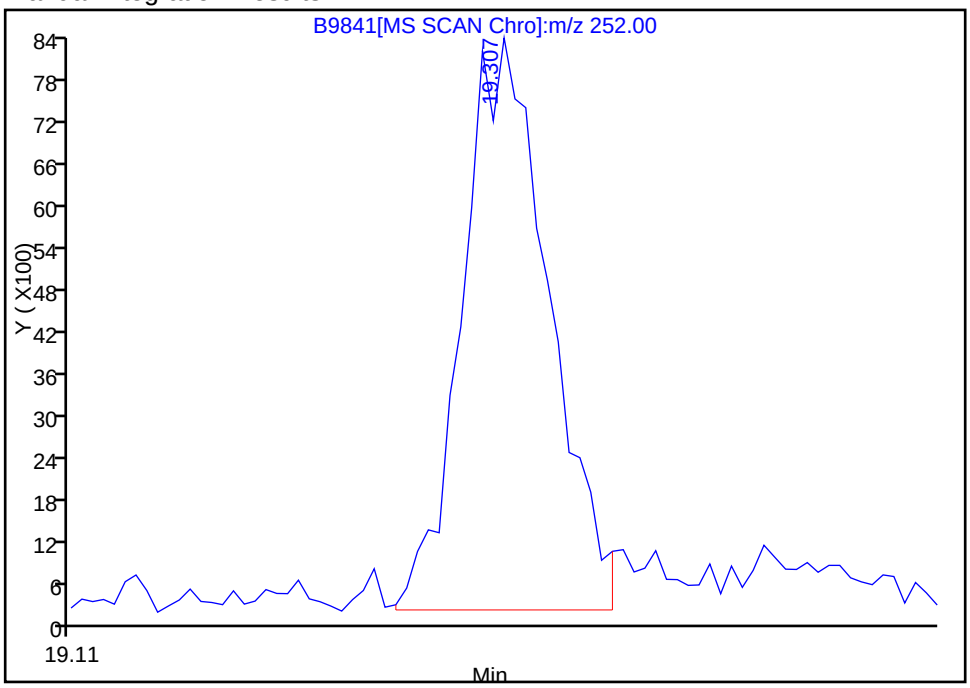
Processing Integration Results

RT: 19.30
Response: 6424
Amount: 0.165604



Manual Integration Results

RT: 19.31
Response: 21756
Amount: 0.217886



Reviewer: sullivanp, 27-Aug-2009 12:08:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

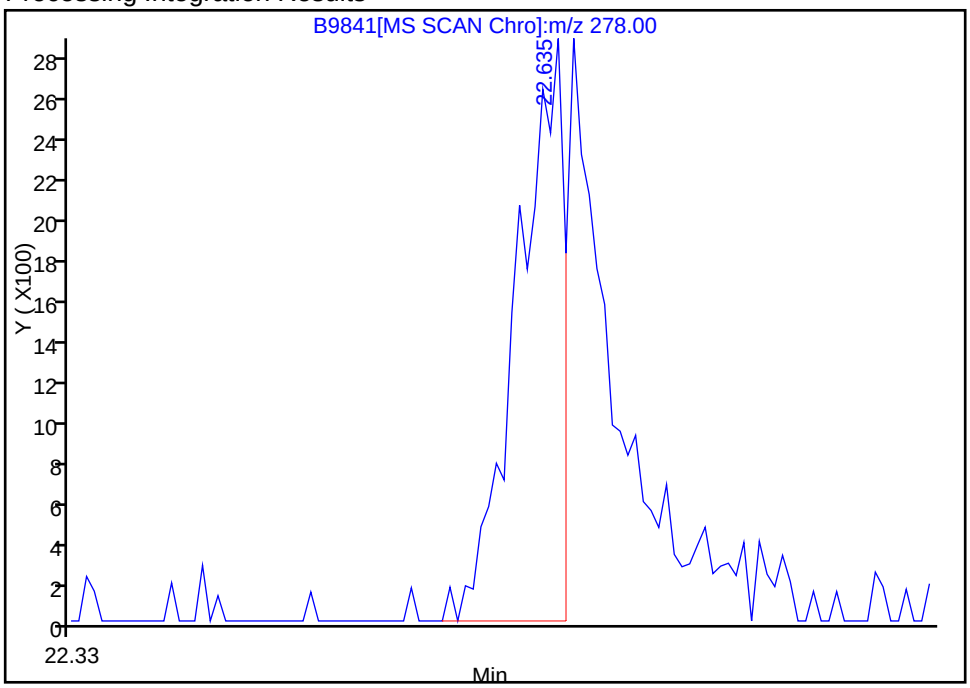
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9841.D		
Inj Date:	27-Aug-2009 10:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	STD025		
Sample Amount:	2.00 uL	Operator:	MZ

101 Dibenz(a,h)anthracene, Number: 1, m/z: 278 Type: quant, RT: 22.64

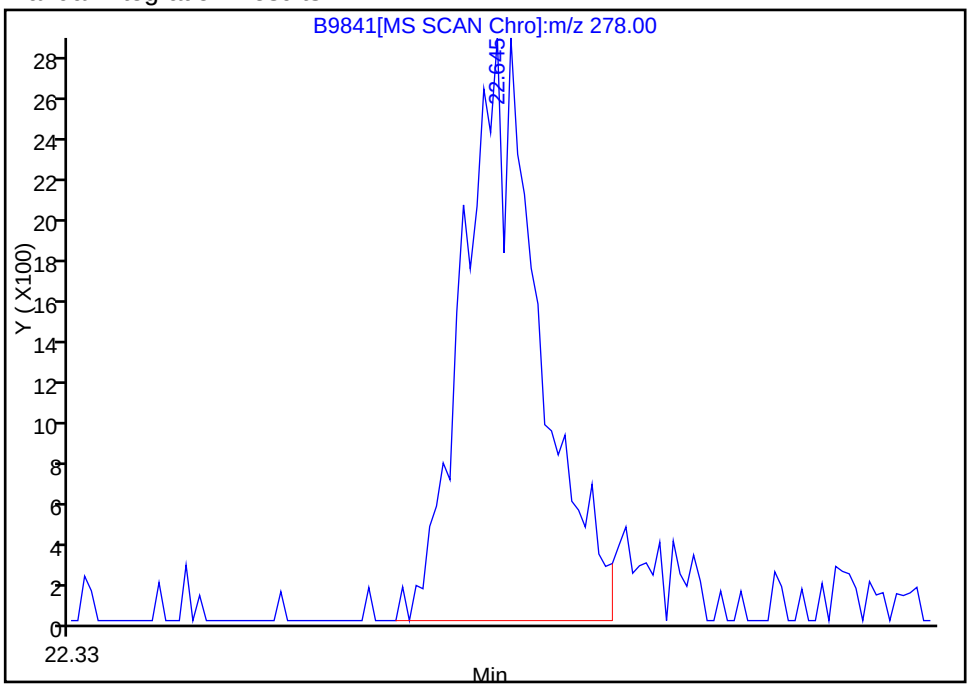
Processing Integration Results

RT: 22.64
Response: 5672
Amount: 0.174436



Manual Integration Results

RT: 22.64
Response: 10578
Amount: 0.196205



Reviewer: sullivanp, 27-Aug-2009 12:08:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

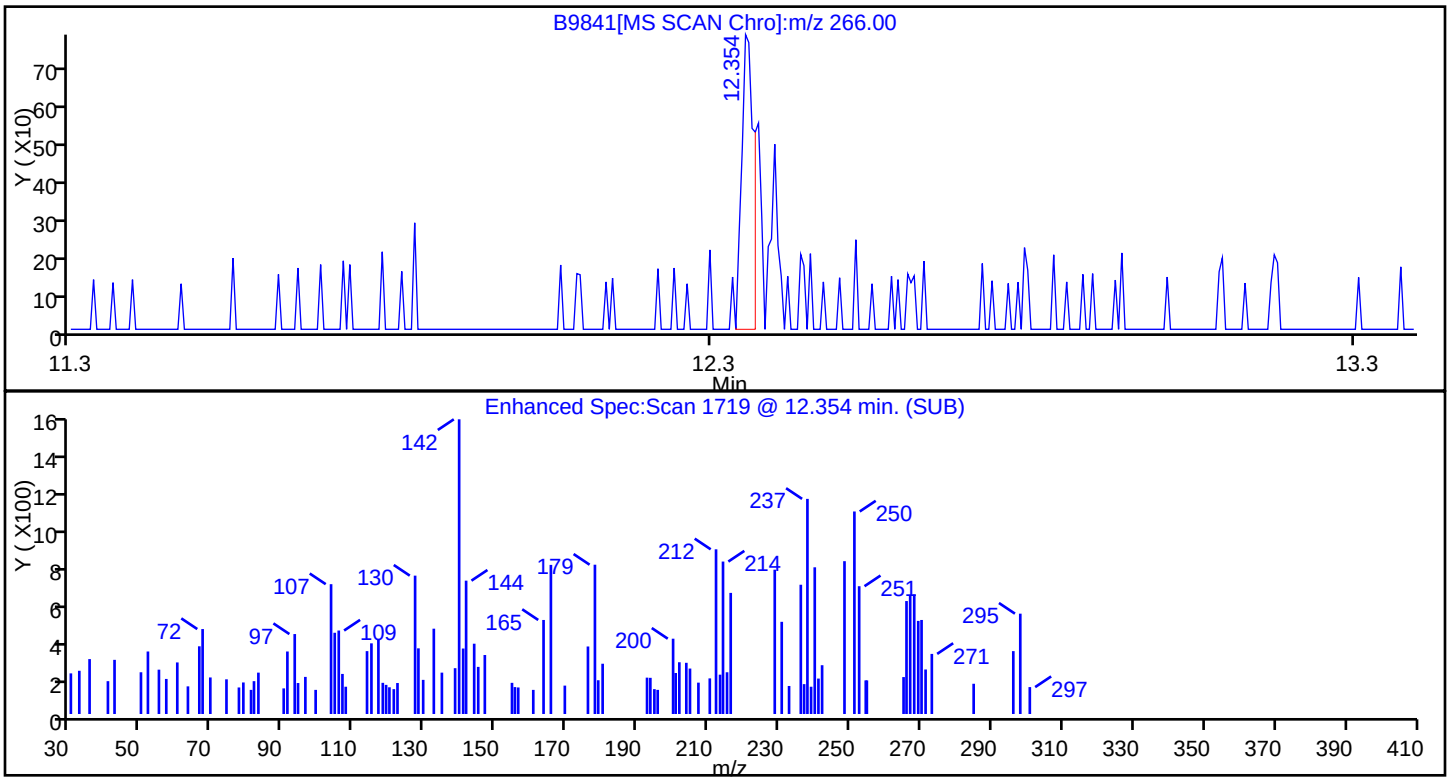
Chrom Revision: 1.0.2009.729

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9841.D		
Inj Date:	27-Aug-2009 10:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	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
12.35	266.00	962	0.059609
12.35	264.00	519	
12.36	268.00	356	

Reviewer: sullivanp, 27-Aug-2009 12:08:32
Audit Action: Marked Compound Undetected
Audit Reason:

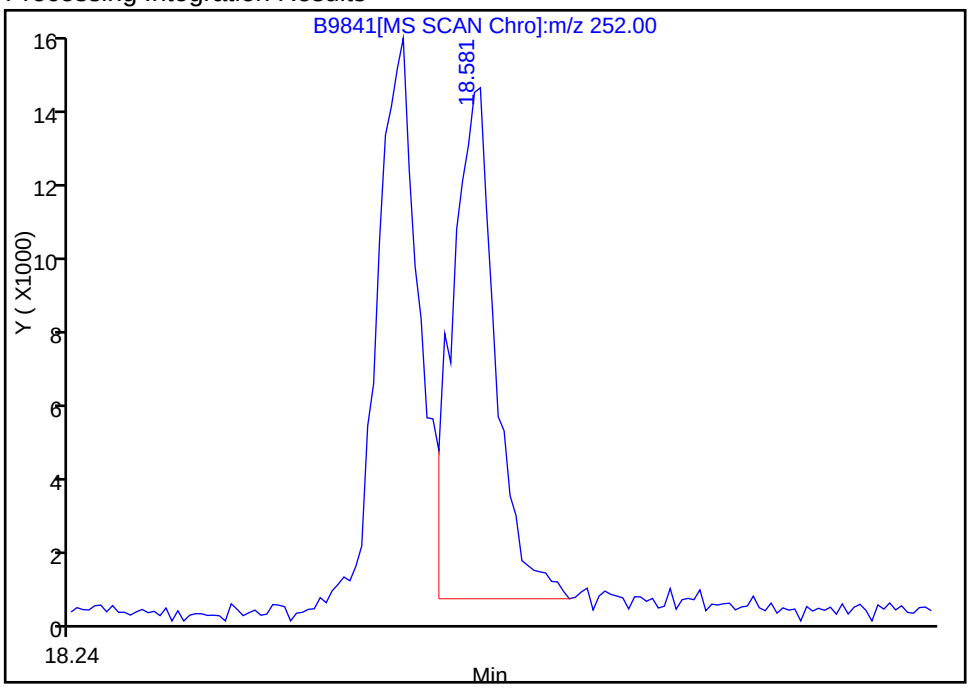
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9841.D		
Inj Date:	27-Aug-2009 10:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	STD025		
Sample Amount:	2.00 uL	Operator:	MZ

98 Benzo[k]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 18.58

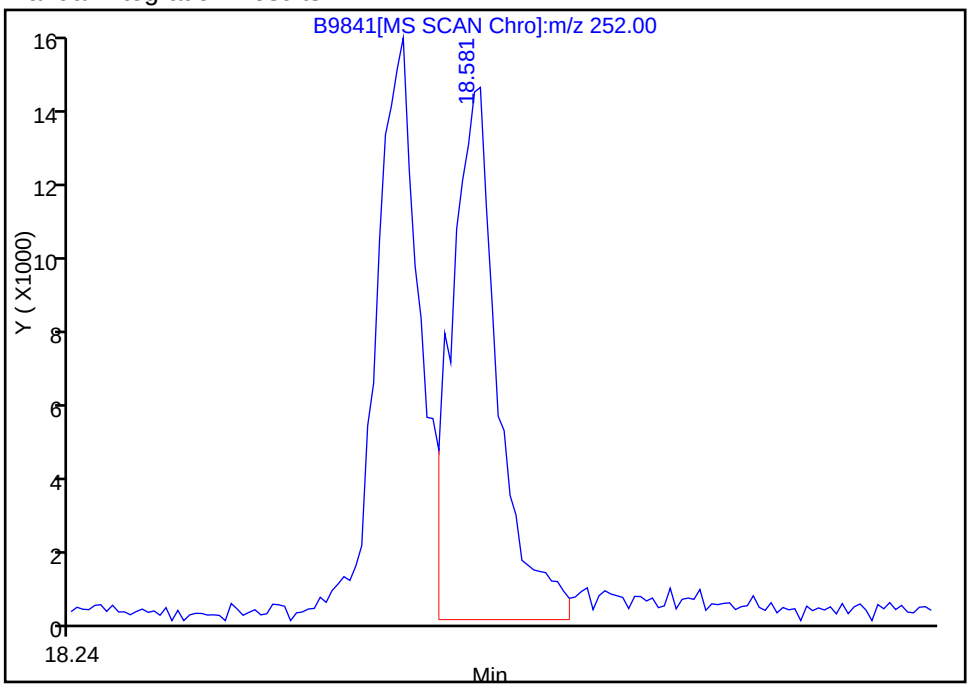
Processing Integration Results

RT: 18.58
Response: 32201
Amount: 0.223127



Manual Integration Results

RT: 18.58
Response: 35837
Amount: 0.240251



Reviewer: sullivanp, 27-Aug-2009 12:08:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

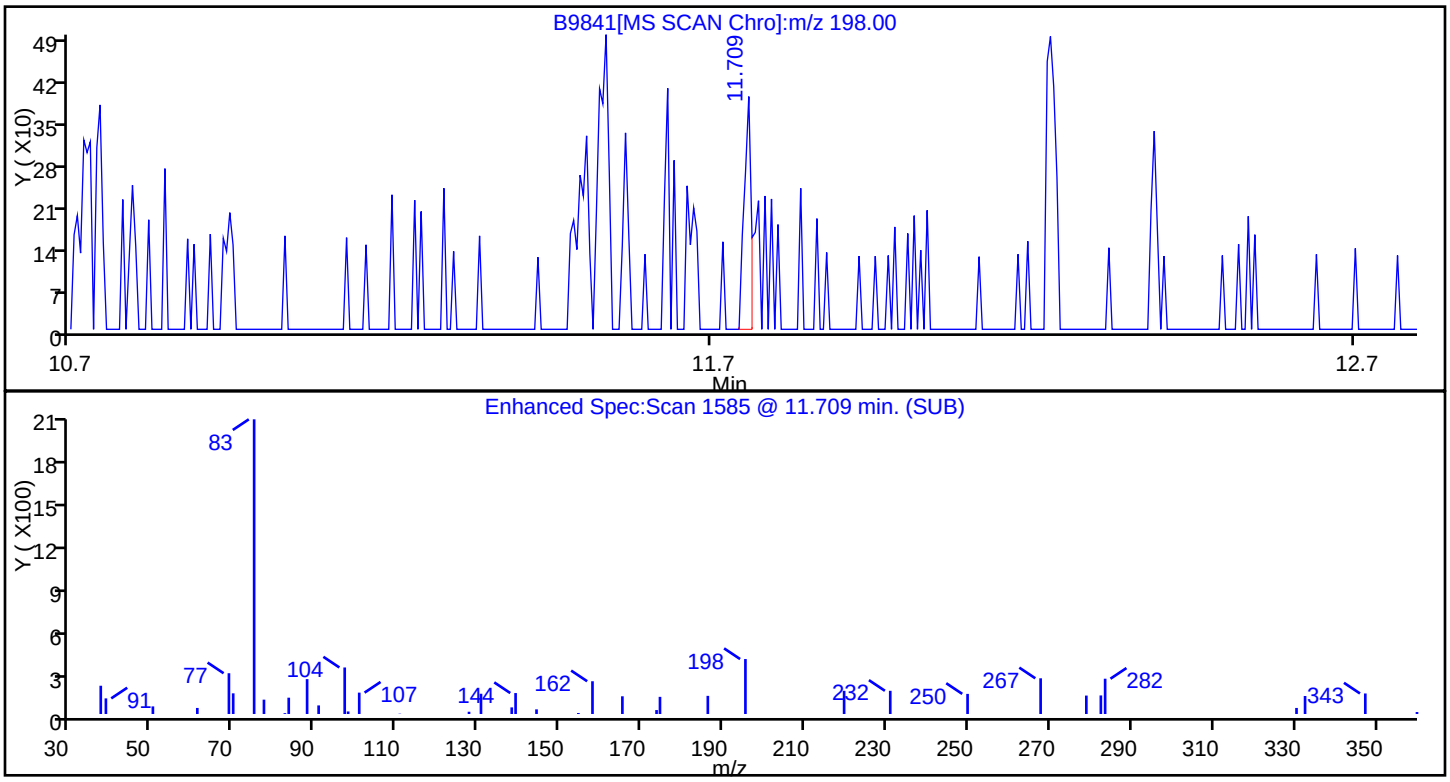
Chrom Revision: 1.0.2009.729

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9841.D		
Inj Date:	27-Aug-2009 10:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	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
11.71	198.00	280	0.250000
11.70	121.00	248	
11.71	105.00	318	

Reviewer: sullivanp, 27-Aug-2009 12:08:32
Audit Action: Marked Compound Undetected
Audit Reason:

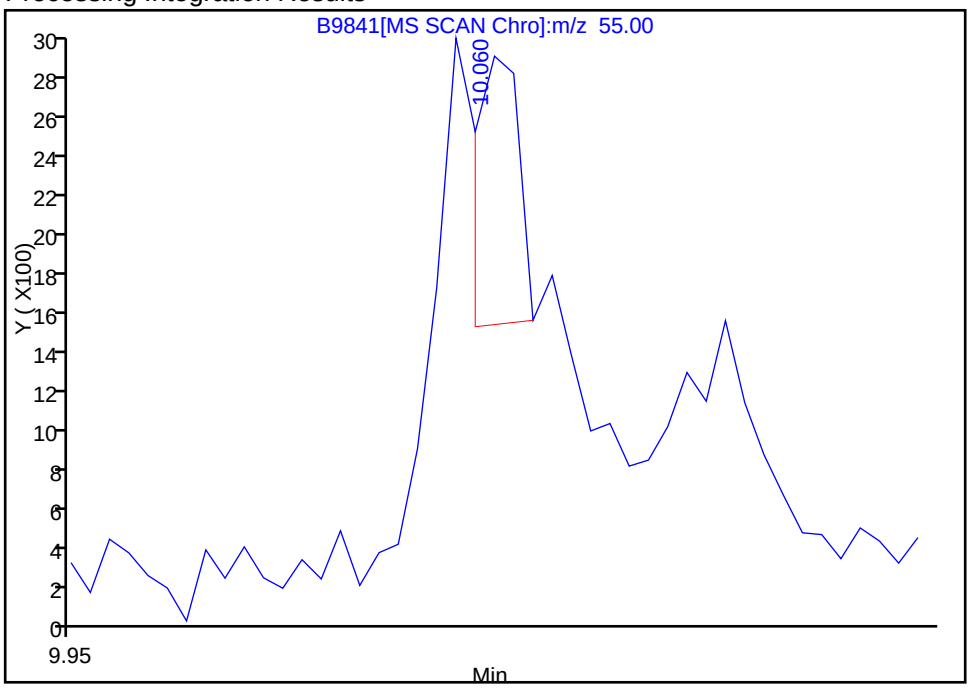
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9841.D		
Inj Date:	27-Aug-2009 10:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	STD025		
Sample Amount:	2.00 uL	Operator:	MZ

44 Caprolactam, Number: 1, m/z: 55 Type: quant, RT: 10.05

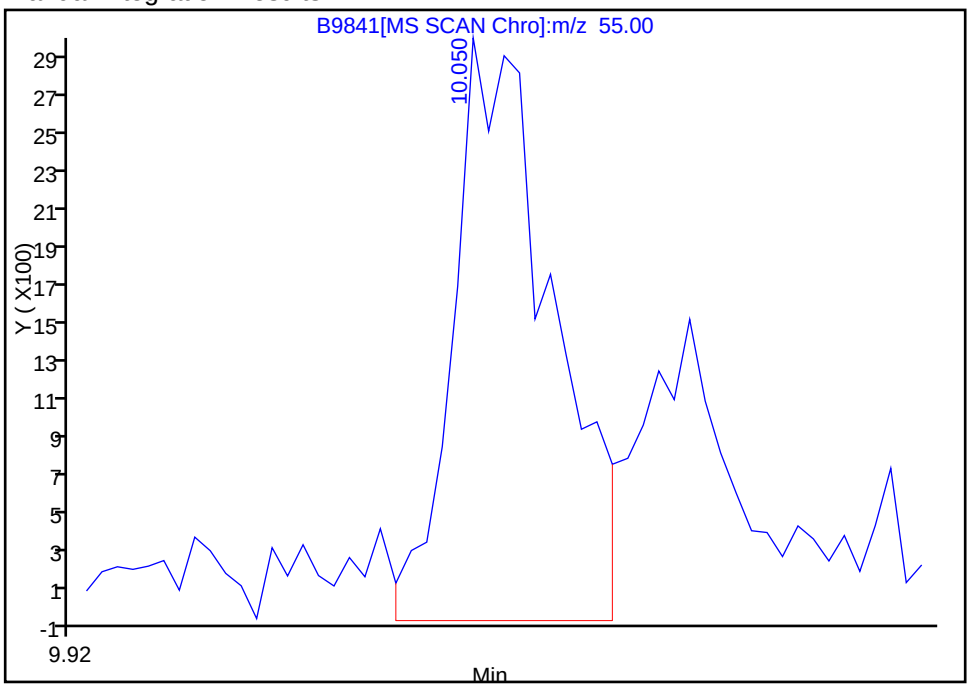
Processing Integration Results

RT: 10.06
Response: 1024
Amount: 0.250000



Manual Integration Results

RT: 10.05
Response: 6255
Amount: 0.250000



Reviewer: sullivanp, 27-Aug-2009 12:08:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

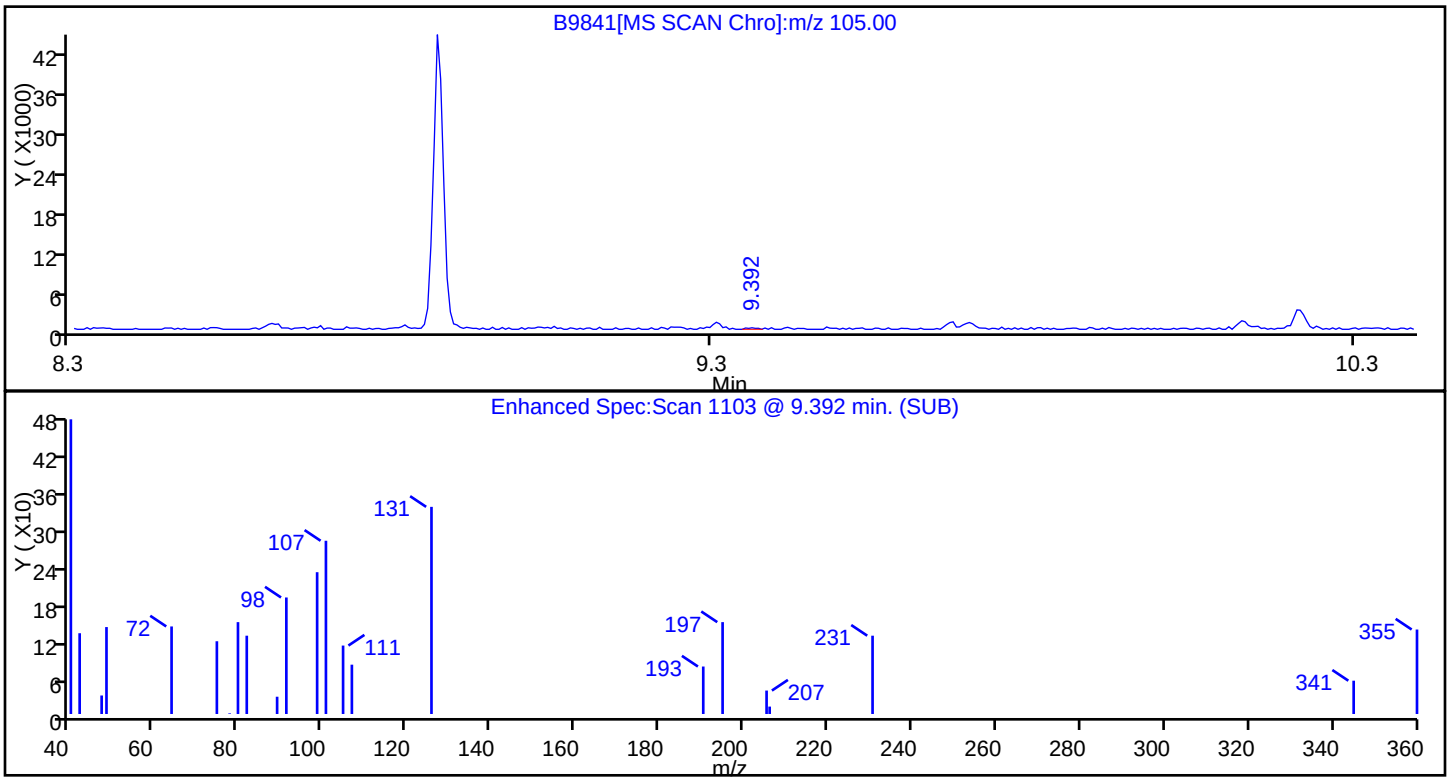
Chrom Revision: 1.0.2009.729

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9841.D		
Inj Date:	27-Aug-2009 10:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	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
9.39	105.00	247	0.250000
9.41	122.00	286	
9.39	77.00	189	

Reviewer: sullivanp, 27-Aug-2009 12:08:32
Audit Action: Marked Compound Undetected
Audit Reason:

Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9841.D		
Inj Date:	27-Aug-2009 10:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	STD025		
Sample Amount:	2.00 uL	Operator:	MZ

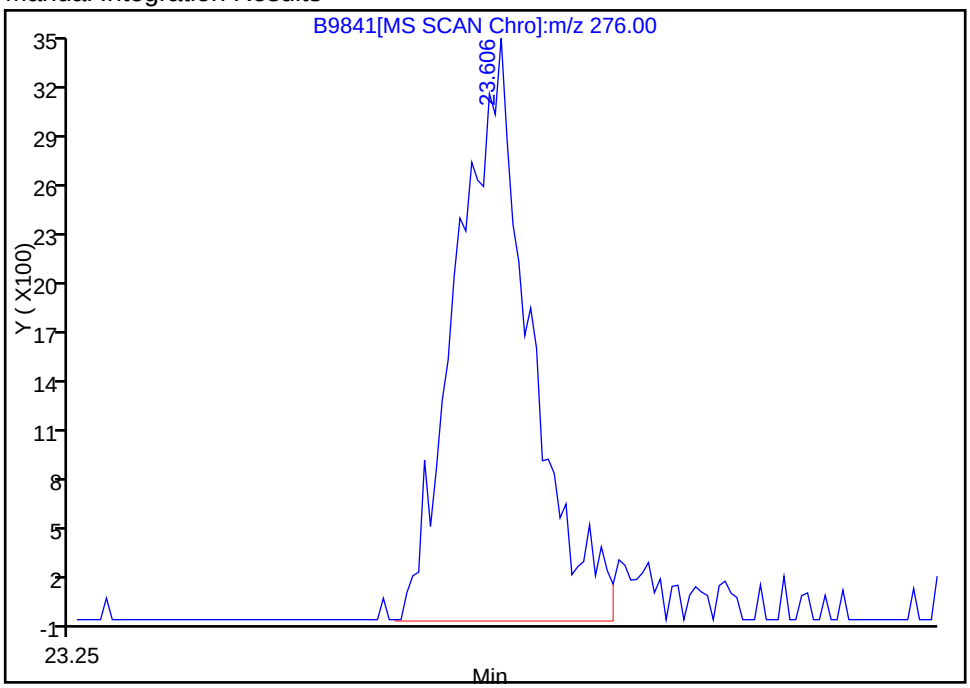
102 Benzo[g,h,i]perylene, Number: 1, m/z: 276 Type: quant, RT: 23.61

Processing Integration Results

Not Detected
Expected RT: 23.61

Manual Integration Results

RT: 23.61
Response: 14151
Amount: 0.203943



Reviewer: sullivanp, 27-Aug-2009 12:08:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9841.D		
Inj Date:	27-Aug-2009 10:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	STD025		
Sample Amount:	2.00 uL	Operator:	MZ

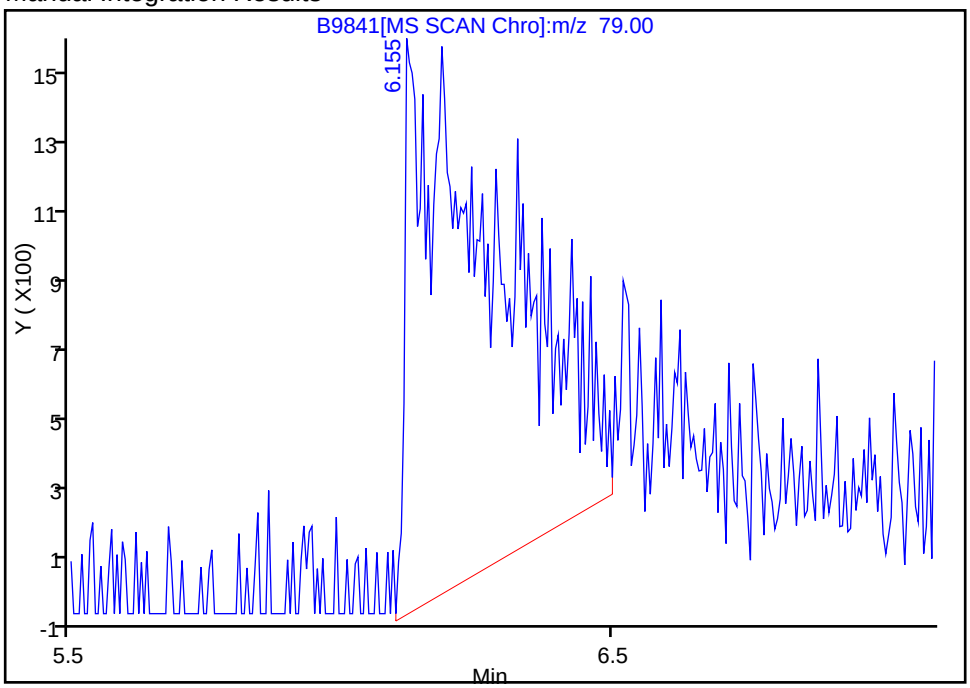
16 Pyridine, Number: 1, m/z: 79 Type: quant, RT: 6.16

Processing Integration Results

Not Detected
Expected RT: 6.16

Manual Integration Results

RT: 6.16
Response: 17269
Amount: 0.250000



Reviewer: sullivanp, 27-Aug-2009 12:08:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

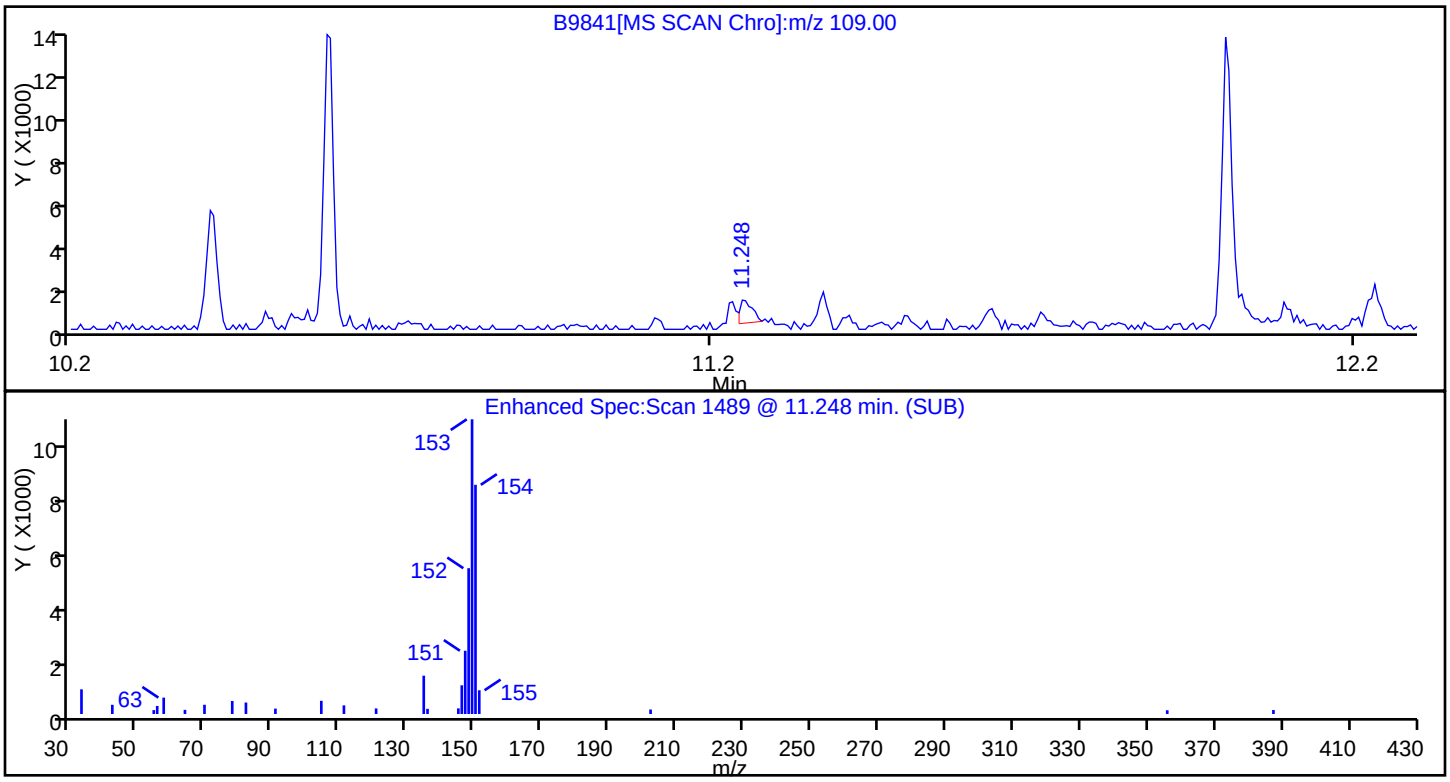
Chrom Revision: 1.0.2009.729

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9841.D		
Inj Date:	27-Aug-2009 10:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	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
11.25	109.00	1289	0.250000
11.26	139.00	4016	
11.26	64.00	3642	

Reviewer: sullivanp, 27-Aug-2009 12:08:32
Audit Action: Marked Compound Undetected
Audit Reason:

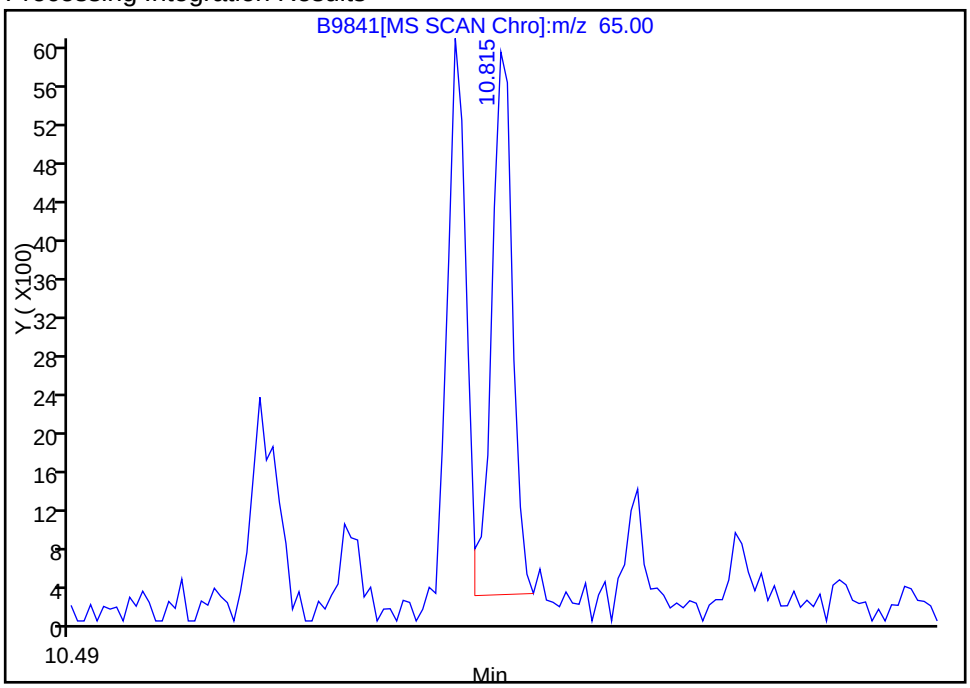
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9841.D		
Inj Date:	27-Aug-2009 10:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	STD025		
Sample Amount:	2.00 uL	Operator:	MZ

55 2-Nitroaniline, Number: 1, m/z: 65 Type: quant, RT: 10.82

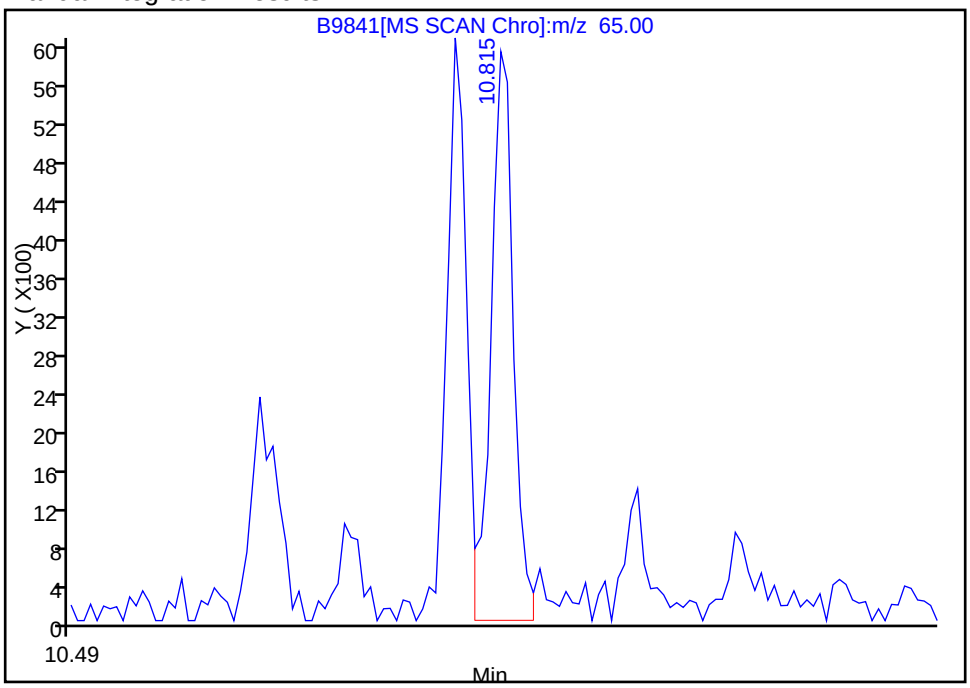
Processing Integration Results

RT: 10.82
Response: 6071
Amount: 0.171613



Manual Integration Results

RT: 10.82
Response: 6853
Amount: 0.179455



Reviewer: sullivanp, 27-Aug-2009 12:08:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9842.D		
Lims ID:	STD05	Client ID:	
Inject. Date:	27-Aug-2009 10:53:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	STD05		
Misc. Info.:	360-0000982-005		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	5
Lims Batch ID:	48241	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\8270B.m		
Last Update:	27-Aug-2009 15:09:11	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	27-Aug-2009 12:15:16
Reviewed By:	sullivanp	Date:	27-Aug-2009 15:09:11

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.591	8.593	-0.002	434423	2.00	
* 2 Naphthalene-d8	136	9.711	9.714	-0.003	1012843	2.00	
* 3 Acenaphthene-d10	164	11.231	11.233	-0.002	482918	2.00	
* 4 Phenanthrene-d10	188	12.558	12.560	-0.002	736906	2.00	
* 5 Chrysene-d12	240	16.448	16.450	-0.002	447018	2.00	
* 6 Perylene-d12	264	19.444	19.446	-0.002	252681	2.00	
$ 7 2-Fluorophenol	112	7.379	7.376	0.003	64897	0.5295	
$ 8 Phenol-d5	99	8.196	8.199	-0.003	79561	0.5264	
$ 9 Nitrobenzene-d5	82	9.076	9.074	0.002	57866	0.4168	
$ 10 2-Fluorobiphenyl	172	10.605	10.608	-0.003	167601	0.5194	
$ 11 2,4,6-Tribromophenol	330	11.909	11.906	0.003	6899	0.3741	
$ 12 Terphenyl-d14	244	14.544	14.546	-0.002	101867	0.5206	
14 1,4-Dioxane	88	5.527	5.515	0.012	32492	0.5449	
15 N-Nitrosodimethylamine	42	5.936	5.929	0.007	42512	0.5547	
16 Pyridine	79	6.047	5.986	0.061	34721	0.4164	
18 Phenol	94	8.211	8.208	0.003	90837	0.5457	
17 Benzaldehyde	94	8.211	8.208	0.003	90837	0.5457	
19 Aniline	93	8.292	8.290	0.002	88467	0.4774	
20 Bis(2-chloroethyl)ether	93	8.317	8.314	0.002	101774	0.3130	
21 2-Chlorophenol	128	8.408	8.405	0.003	68545	0.5108	
22 1,4-Dichlorobenzene	146	8.547	8.545	0.002	96178	0.5776	
23 1,3-Dichlorobenzene	146	8.605	8.607	-0.002	101755	0.5931	
24 Benzyl alcohol	79	8.682	8.679	0.003	47362	0.4902	
26 2-Methylphenol	108	8.682	8.679	0.003	37588	0.4902	
28 3 & 4 Methylphenol	108	8.749	8.747	0.002	65205	0.5306	
25 1,2-Dichlorobenzene	146	8.749	8.747	0.002	91652	0.5627	
27 2,2'-oxybis[1-chloropropane]	45	8.783	8.780	0.003	135193	0.5882	
29 N-Nitrosodi-n-propylamine	70	8.903	8.896	0.007	44708	0.5132	
30 Acetophenone	105	8.927	8.925	0.002	101104	0.5510	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	9.052	9.055	-0.002	30932	0.5366	
32 Nitrobenzene	77	9.091	9.088	0.003	61927	0.4530	
33 Isophorone	82	9.283	9.281	0.002	113745	0.4539	
35 2,4-Dimethylphenol	107	9.341	9.338	0.003	56668	0.4796	
34 2-Nitrophenol	139	9.370	9.367	0.003	15844	0.3576	
37 Bis(2-chloroethoxy)methane	93	9.423	9.425	-0.002	86161	0.4969	
36 Benzoic acid	105	9.389	9.389	0.000	252	3.82	
38 2,4-Dichlorophenol	162	9.567	9.564	0.003	45319	0.4395	
39 1,2,4-Trichlorobenzene	180	9.649	9.646	0.003	75989	0.5261	
40 Alpha-Terpineol	59	9.682	9.684	-0.002	53149	0.4588	
41 Naphthalene	128	9.730	9.733	-0.003	264567	0.5419	
42 4-Chloroaniline	127	9.750	9.747	0.003	109594	0.4892	
43 Hexachlorobutadiene	225	9.807	9.805	0.002	36371	0.5097	
44 Caprolactam	55	10.048	10.050	-0.002	14800	0.4783	
45 4-Chloro-3-methylphenol	107	10.120	10.117	0.003	45678	0.4426	
46 2-Methylnaphthalene	142	10.322	10.319	0.003	148424	0.5120	
47 1-Methylnaphthalene	142	10.413	10.411	0.002	154161	0.5163	
48 Hexachlorocyclopentadiene	237	10.442	10.444	-0.002	12560	0.7450	
49 1,2,4,5-Tetrachlorobenzene	216	10.461	10.463	-0.002	64418	0.5056	
50 2,4,6-Trichlorophenol	196	10.548	10.545	0.003	27089	0.4176	
51 2,4,5-Trichlorophenol	196	10.581	10.581	0.000	30880	0.4510	M
52 1,1'-Biphenyl	154	10.706	10.704	0.002	185255	0.5187	
53 2-Chloronaphthalene	162	10.750	10.752	-0.002	168693	0.5126	
54 Phenyl ether	170	10.783	10.781	0.002	102889	0.5115	
55 2-Nitroaniline	65	10.817	10.815	0.002	15159	0.3449	
56 Dimethyl phthalate	163	10.913	10.916	-0.003	137153	0.4834	
57 2,6-Dinitrotoluene	165	10.995	10.992	0.003	17400	0.3733	
58 Acenaphthylene	152	11.120	11.117	0.003	204452	0.5125	
59 3-Nitroaniline	138	11.163	11.161	0.002	17513	0.3930	
62 4-Nitrophenol	109	11.255	11.247	0.008	6377	0.6357	
60 2,4-Dinitrophenol	184	11.255	11.247	0.008	171	2.36	
61 Acenaphthene	153	11.259	11.262	-0.003	147919	0.5107	
63 2,4-Dinitrotoluene	165	11.346	11.348	-0.002	15850	0.3419	
64 Dibenzofuran	168	11.404	11.406	-0.002	197026	0.5200	
65 2,3,4,6-Tetrachlorophenol	232	11.490	11.493	-0.003	17769	0.4007	
66 Diethyl phthalate	149	11.500	11.502	-0.002	134706	0.4900	
67 4-Chlorophenyl phenyl ether	204	11.654	11.651	0.003	72006	0.4916	
68 4-Nitroaniline	138	11.692	11.695	-0.003	15240	0.7892	
69 Fluorene	166	11.697	11.699	-0.002	156989	0.5049	
70 4,6-Dinitro-2-methylphenol	198	11.702	11.702	0.000	1557	NaN	5M
72 N-Nitrosodiphenylamine	169	11.750	11.747	0.003	124278	0.5023	
71 Diphenylamine	169	11.750	11.747	0.003	124278	0.5023	
74 Azobenzene	77	11.793	11.796	-0.003	213471	0.5007	
73 1,2-Diphenylhydrazine	77	11.793	11.796	-0.003	213471	0.5007	
13 Benzophenone	105	11.803	11.805	-0.002	135768	0.4910	
75 4-Bromophenyl phenyl ether	248	12.082	12.084	-0.002	34918	0.4872	
77 Atrazine	200	12.159	12.156	0.003	30151	0.4552	
76 Hexachlorobenzene	284	12.188	12.190	-0.002	36439	0.5022	
78 Pentachlorophenol	266	12.356	12.353	0.003	3877	1.27	
79 Pentachloronitrobenzene	237	12.366	12.363	0.003	7254	0.4709	
80 Phenanthrene	178	12.582	12.584	-0.002	214413	0.5181	
81 Anthracene	178	12.635	12.637	-0.002	187523	0.4889	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	12.765	12.767	-0.002	155465	0.5043	
84 Di-n-butyl phthalate	149	12.995	12.993	0.002	167420	0.4324	
87 Fluoranthene	202	14.029	14.027	0.002	165060	0.4584	
86 Benzidine	184	14.140	14.137	0.003	5749	0.7822	
85 Pyrene	202	14.419	14.416	0.003	179850	0.5381	
89 Butyl benzyl phthalate	149	15.366	15.364	0.002	46169	0.4121	
92 Bis(2-ethylhexyl) phthalate	149	16.251	16.253	-0.002	62148	0.4033	
91 3,3'-Dichlorobenzidine	252	16.318	16.321	-0.003	18896	0.4705	
93 Benzo[a]anthracene	228	16.429	16.426	0.003	98905	0.4693	
94 Chrysene	228	16.491	16.494	-0.003	112743	0.5196	
95 Di-n-octyl phthalate	149	17.420	17.417	0.003	80564	0.3762	
97 Benzo[b]fluoranthene	252	18.516	18.516	0.000	78146	0.4692	M
98 Benzo[k]fluoranthene	252	18.578	18.578	0.000	73258	0.4665	M
99 Benzo[a]pyrene	252	19.309	19.312	-0.003	48614	0.4416	
100 Indeno[1,2,3-cd]pyrene	276	22.608	22.615	-0.007	35272	0.4526	
101 Dibenz(a,h)anthracene	278	22.637	22.639	-0.002	27952	0.4604	
102 Benzo[g,h,i]perylene	276	23.589	23.596	-0.007	38305	0.5124	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 27-Aug-2009 15:09:12 Chrom Revision: 1.0.2009.729

Data File: \\wessvr06\chromdata\INSTB.i\20090827-1.b\B9842.D

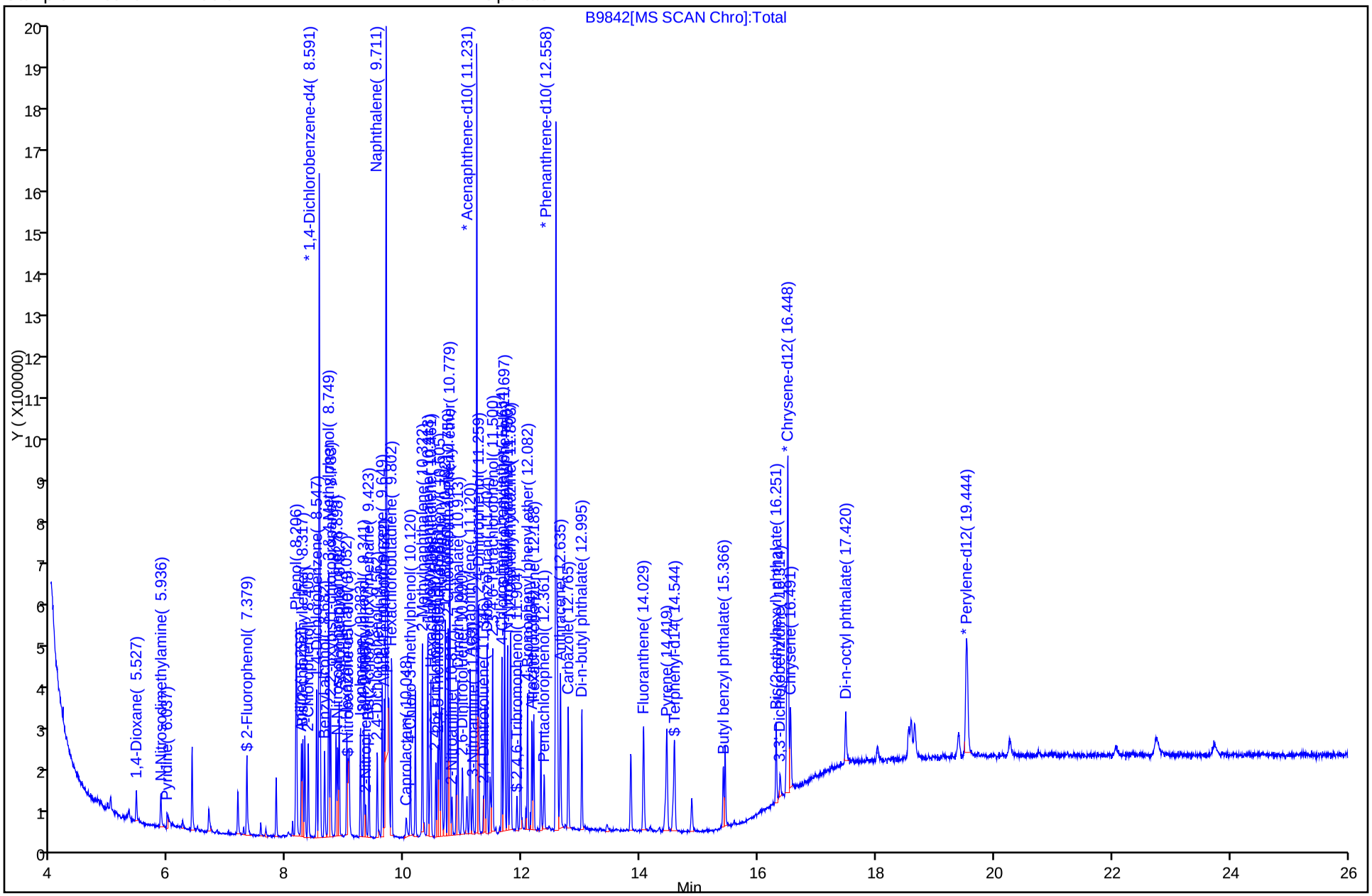
Inj Date: 27-Aug-2009 10:53:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48241 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: STD05

Sample Amount: 2.00 uL Operator: MZ



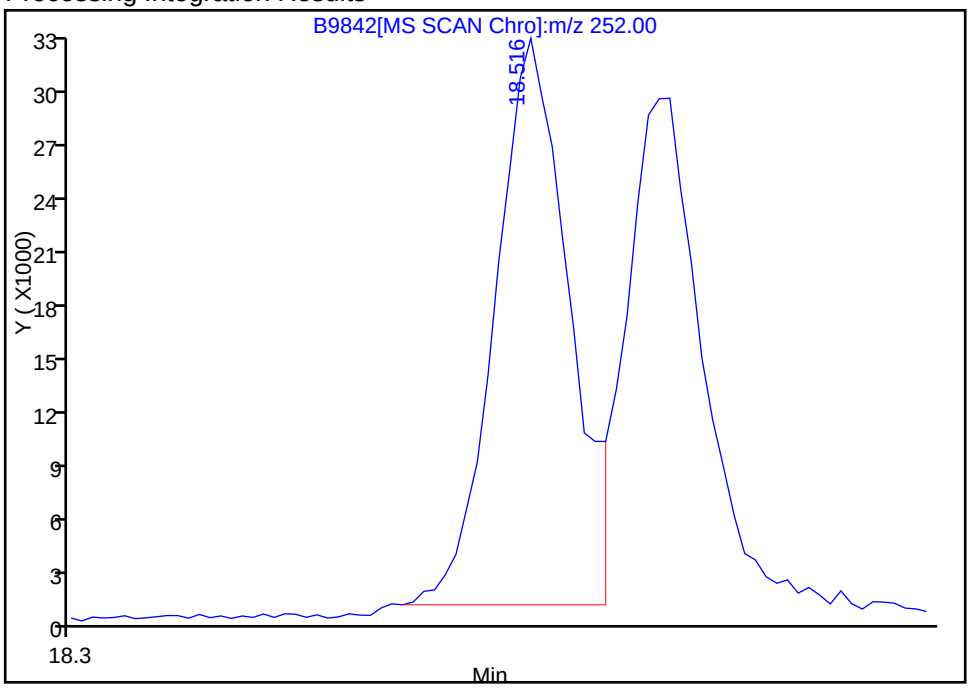
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9842.D		
Inj Date:	27-Aug-2009 10:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	STD05		
Sample Amount:	2.00 uL	Operator:	MZ

97 Benzo[b]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 18.52

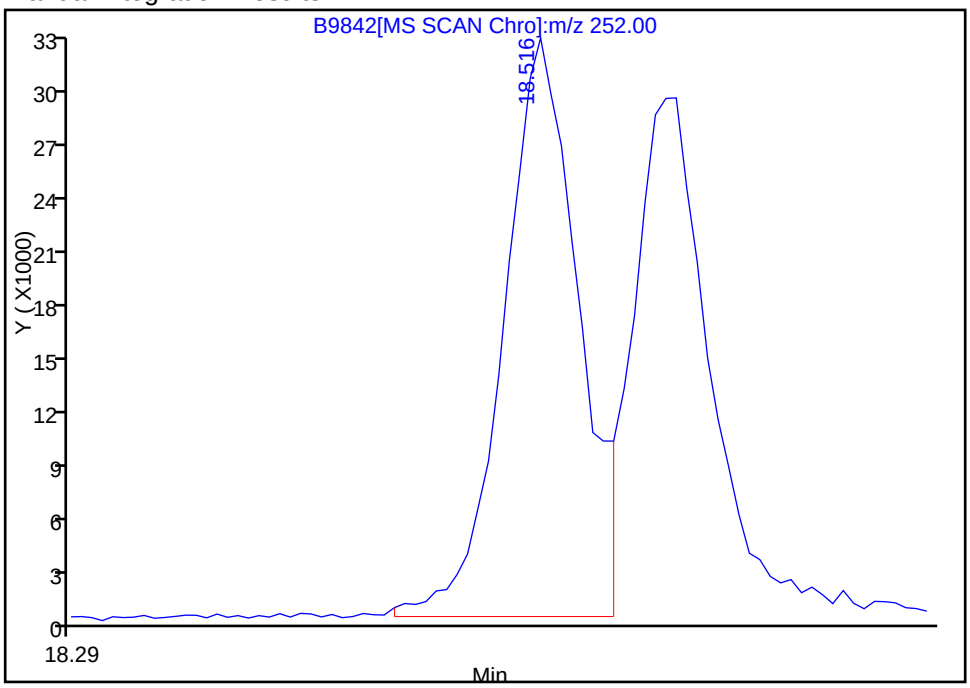
Processing Integration Results

RT: 18.52
Response: 73872
Amount: 0.446074



Manual Integration Results

RT: 18.52
Response: 78146
Amount: 0.469191



Reviewer: sullivanp, 27-Aug-2009 15:09:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

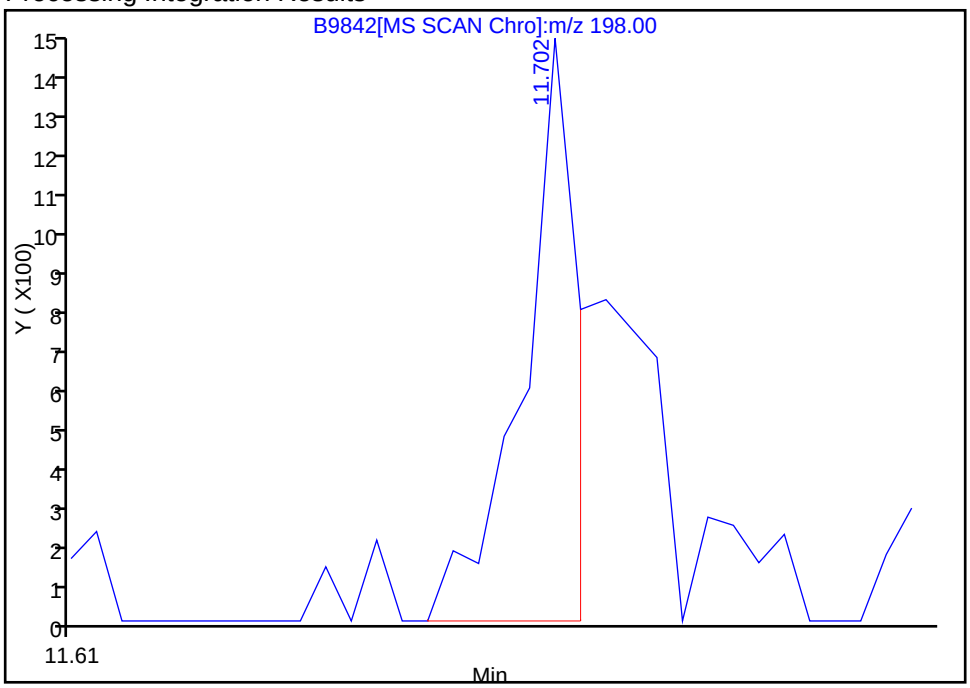
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9842.D		
Inj Date:	27-Aug-2009 10:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	STD05		
Sample Amount:	2.00 uL	Operator:	MZ

70 4,6-Dinitro-2-methylphenol, Number: 1, m/z: 198 Type: quant, RT: 11.70

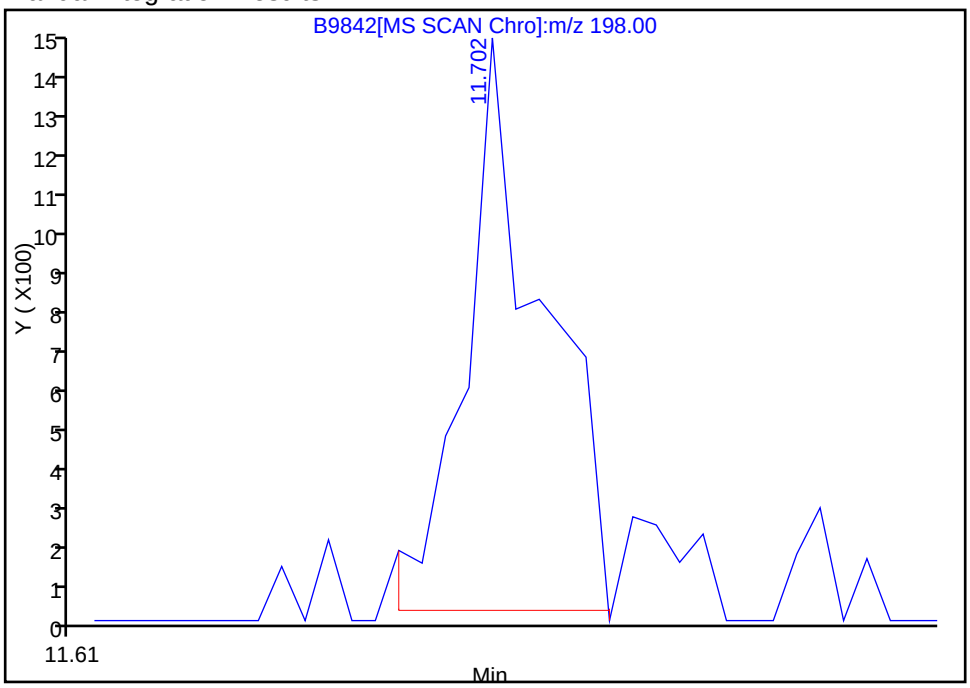
Processing Integration Results

RT: 11.70
Response: 1013
Amount: NaN



Manual Integration Results

RT: 11.70
Response: 1557
Amount: NaN



Reviewer: sullivanp, 27-Aug-2009 15:09:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

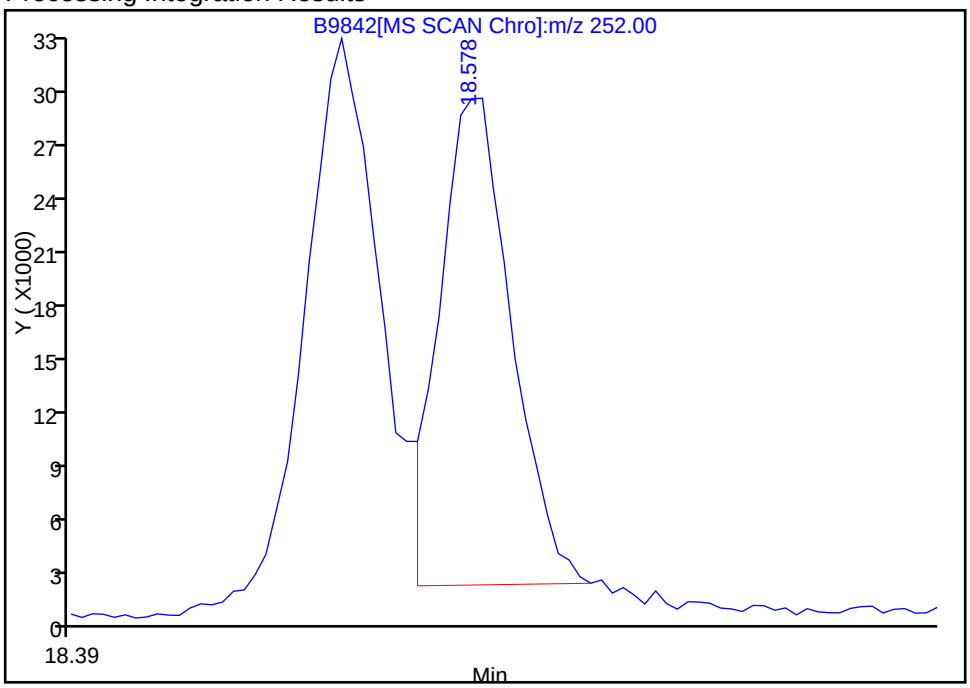
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9842.D		
Inj Date:	27-Aug-2009 10:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	STD05		
Sample Amount:	2.00 uL	Operator:	MZ

98 Benzo[k]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 18.58

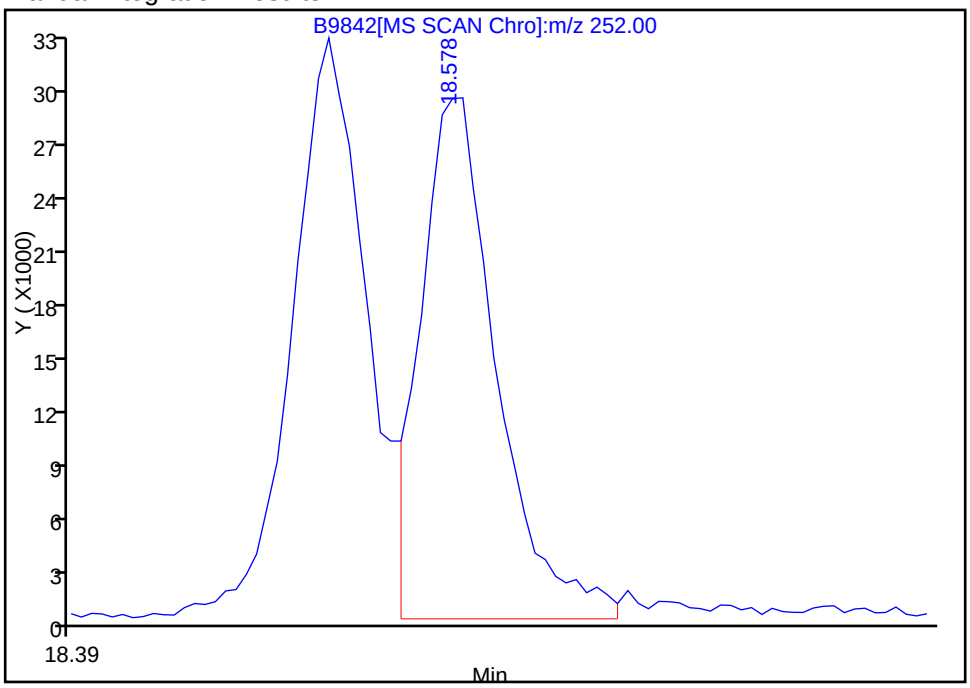
Processing Integration Results

RT: 18.58
Response: 61501
Amount: 0.398232



Manual Integration Results

RT: 18.58
Response: 73258
Amount: 0.466470



Reviewer: sullivanp, 27-Aug-2009 15:09:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

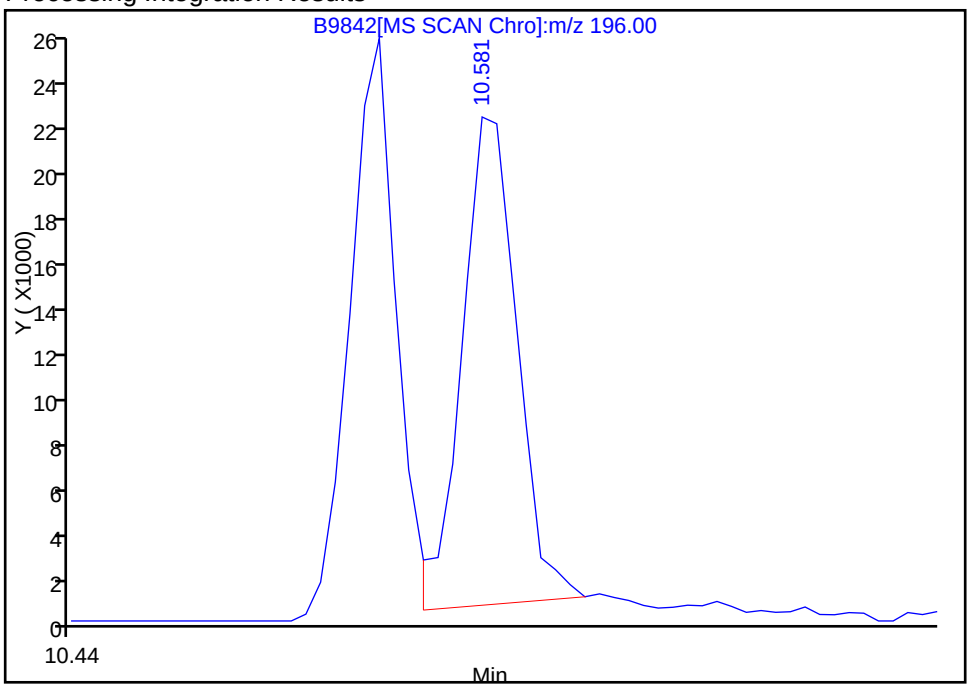
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9842.D		
Inj Date:	27-Aug-2009 10:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	STD05		
Sample Amount:	2.00 uL	Operator:	MZ

51 2,4,5-Trichlorophenol, Number: 1, m/z: 196 Type: quant, RT: 10.58

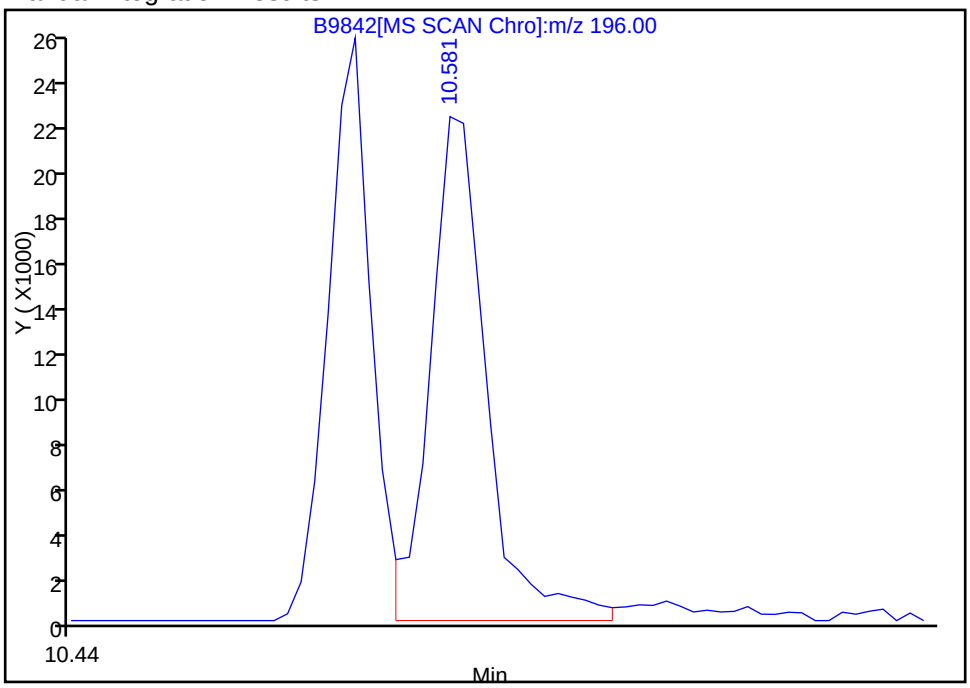
Processing Integration Results

RT: 10.58
Response: 26982
Amount: 0.410503



Manual Integration Results

RT: 10.58
Response: 30880
Amount: 0.450994



Reviewer: sullivanp, 27-Aug-2009 15:09:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9843.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	27-Aug-2009 11:27:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	STD1		
Misc. Info.:	360-0000982-006		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	6
Lims Batch ID:	48241	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\8270B.m		
Last Update:	28-Aug-2009 08:33:41	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	27-Aug-2009 12:19:30
Reviewed By:	sullivanp	Date:	28-Aug-2009 08:33:41

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.594	8.593	0.001	547118	2.00	
* 2 Naphthalene-d8	136	9.715	9.714	0.001	1296093	2.00	
* 3 Acenaphthene-d10	164	11.234	11.233	0.001	629927	2.00	
* 4 Phenanthrene-d10	188	12.562	12.560	0.002	1012759	2.00	
* 5 Chrysene-d12	240	16.447	16.450	-0.003	696070	2.00	
* 6 Perylene-d12	264	19.448	19.446	0.002	377715	2.00	
$ 7 2-Fluorophenol	112	7.382	7.376	0.006	161832	1.05	
$ 8 Phenol-d5	99	8.200	8.199	0.001	201627	1.06	
$ 9 Nitrobenzene-d5	82	9.075	9.074	0.001	171938	0.8904	
$ 10 2-Fluorobiphenyl	172	10.604	10.608	-0.004	425960	1.01	
$ 11 2,4,6-Tribromophenol	330	11.908	11.906	0.002	24982	0.7766	
$ 12 Terphenyl-d14	244	14.543	14.546	-0.003	303788	1.00	
14 1,4-Dioxane	88	5.536	5.515	0.021	79012	1.15	
15 N-Nitrosodimethylamine	42	5.940	5.929	0.011	103679	1.07	
16 Pyridine	79	6.012	5.986	0.026	153215	1.15	
17 Benzaldehyde	94	8.210	8.208	0.002	224911	1.07	
18 Phenol	94	8.210	8.208	0.002	224911	1.07	
19 Aniline	93	8.291	8.290	0.001	220664	0.9454	
20 Bis(2-chloroethyl)ether	93	8.315	8.314	0.001	230342	1.04	
21 2-Chlorophenol	128	8.407	8.405	0.002	177858	1.05	
22 1,4-Dichlorobenzene	146	8.546	8.545	0.001	231057	1.18	
23 1,3-Dichlorobenzene	146	8.609	8.607	0.002	236152	1.16	
24 Benzyl alcohol	79	8.681	8.679	0.002	124281	1.02	
26 2-Methylphenol	108	8.681	8.679	0.002	102003	1.06	
28 3 & 4 Methylphenol	108	8.748	8.747	0.001	168819	1.09	
25 1,2-Dichlorobenzene	146	8.753	8.747	0.006	217636	1.06	
27 2,2'-oxybis[1-chloropropane]	45	8.782	8.780	0.002	321748	1.20	
29 N-Nitrosodi-n-propylamine	70	8.897	8.896	0.001	118210	1.08	
30 Acetophenone	105	8.926	8.925	0.001	256551	1.11	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	9.056	9.055	0.002	76821	1.06	
32 Nitrobenzene	77	9.090	9.088	0.002	173355	0.99	
33 Isophorone	82	9.282	9.281	0.001	324888	1.01	
35 2,4-Dimethylphenol	107	9.340	9.338	0.002	152035	1.01	
34 2-Nitrophenol	139	9.368	9.367	0.001	60388	0.7849	
36 Benzoic acid	105	9.340	9.389	-0.049	6302	3.96	
37 Bis(2-chloroethoxy)methane	93	9.426	9.425	0.001	221990	1.00	
38 2,4-Dichlorophenol	162	9.566	9.564	0.002	129702	0.9369	
39 1,2,4-Trichlorobenzene	180	9.647	9.646	0.001	182631	0.9881	
40 Alpha-Terpineol	59	9.686	9.684	0.002	142678	0.9625	
41 Naphthalene	128	9.734	9.733	0.001	646779	1.04	
42 4-Chloroaniline	127	9.748	9.747	0.001	273573	0.9542	
43 Hexachlorobutadiene	225	9.806	9.805	0.001	90408	0.99	
44 Caprolactam	55	10.047	10.050	-0.004	50132	0.8526	
45 4-Chloro-3-methylphenol	107	10.119	10.117	0.002	130338	0.9293	
46 2-Methylnaphthalene	142	10.321	10.319	0.002	379229	1.02	
47 1-Methylnaphthalene	142	10.412	10.411	0.001	391329	1.02	
48 Hexachlorocyclopentadiene	237	10.446	10.444	0.002	41417	1.12	
49 1,2,4,5-Tetrachlorobenzene	216	10.465	10.463	0.002	160524	0.9845	
50 2,4,6-Trichlorophenol	196	10.547	10.545	0.002	84005	0.8743	
51 2,4,5-Trichlorophenol	196	10.585	10.581	0.004	87963	0.8786	M
52 1,1'-Biphenyl	154	10.705	10.704	0.001	478516	1.03	
53 2-Chloronaphthalene	162	10.753	10.752	0.001	429187	1.00	
54 Phenyl ether	170	10.782	10.781	0.001	260178	1.01	
55 2-Nitroaniline	65	10.816	10.815	0.001	55316	0.7096	
56 Dimethyl phthalate	163	10.917	10.916	0.001	385204	1.04	
57 2,6-Dinitrotoluene	165	10.994	10.992	0.002	65948	0.8368	
58 Acenaphthylene	152	11.119	11.117	0.002	550556	1.06	
59 3-Nitroaniline	138	11.162	11.161	0.001	60373	0.8289	
60 2,4-Dinitrophenol	184	11.249	11.249	0.000	2737	2.85	M
62 4-Nitrophenol	109	11.249	11.247	0.002	21988	0.9463	
61 Acenaphthene	153	11.263	11.262	0.001	386092	1.02	
63 2,4-Dinitrotoluene	165	11.345	11.348	-0.003	65136	0.7342	
64 Dibenzofuran	168	11.403	11.406	-0.003	510427	1.03	
65 2,3,4,6-Tetrachlorophenol	232	11.494	11.493	0.001	61027	0.8559	
66 Diethyl phthalate	149	11.499	11.502	-0.003	376811	1.05	
67 4-Chlorophenyl phenyl ether	204	11.653	11.651	0.002	190126	1.00	
68 4-Nitroaniline	138	11.691	11.695	-0.004	48401	1.13	
69 Fluorene	166	11.701	11.699	0.002	410178	1.01	
70 4,6-Dinitro-2-methylphenol	198	11.701	11.702	-0.001	6951	2.01	5
72 N-Nitrosodiphenylamine	169	11.749	11.747	0.002	341233	1.00	
71 Diphenylamine	169	11.749	11.747	0.002	341233	1.00	
73 1,2-Diphenylhydrazine	77	11.792	11.796	-0.004	611806	1.04	
74 Azobenzene	77	11.792	11.796	-0.004	611806	1.04	
13 Benzophenone	105	11.807	11.805	0.002	395409	1.04	
75 4-Bromophenyl phenyl ether	248	12.085	12.084	0.001	93339	0.9476	
77 Atrazine	200	12.158	12.156	0.002	91632	0.9515	
76 Hexachlorobenzene	284	12.186	12.190	-0.004	96894	0.9717	
78 Pentachlorophenol	266	12.355	12.353	0.002	20731	1.52	
79 Pentachloronitrobenzene	237	12.364	12.363	0.001	27003	0.8934	
80 Phenanthrene	178	12.586	12.584	0.002	577141	1.01	
81 Anthracene	178	12.634	12.637	-0.003	546377	1.04	

Report Date: 28-Aug-2009 08:33:43 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\INSTB.i\20090827-1.b\B9843.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	12.768	12.767	0.001	440863	1.04	
84 Di-n-butyl phthalate	149	12.994	12.993	0.001	535044	1.01	
87 Fluoranthene	202	14.028	14.027	0.001	488264	0.9867	
86 Benzidine	184	14.139	14.137	0.002	22575	0.9759	
85 Pyrene	202	14.418	14.416	0.002	519347	1.00	
89 Butyl benzyl phthalate	149	15.365	15.364	0.001	176990	0.8885	
92 Bis(2-ethylhexyl) phthalate	149	16.250	16.253	-0.003	238347	0.8761	
91 3,3'-Dichlorobenzidine	252	16.317	16.321	-0.004	63168	1.04	
93 Benzo[a]anthracene	228	16.428	16.426	0.002	321920	0.9810	
94 Chrysene	228	16.490	16.494	-0.004	325924	0.9647	
95 Di-n-octyl phthalate	149	17.414	17.417	-0.003	333857	0.8757	
97 Benzo[b]fluoranthene	252	18.520	18.516	0.004	241827	0.9713	
98 Benzo[k]fluoranthene	252	18.573	18.578	-0.006	220100	0.9376	
99 Benzo[a]pyrene	252	19.308	19.312	-0.004	152856	0.8455	
100 Indeno[1,2,3-cd]pyrene	276	22.612	22.615	-0.003	94508	0.7446	
101 Dibenz(a,h)anthracene	278	22.631	22.639	-0.008	68827	0.6993	
102 Benzo[g,h,i]perylene	276	23.593	23.596	-0.003	95879	0.8579	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 28-Aug-2009 08:33:43 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090827-1.b\B9843.D

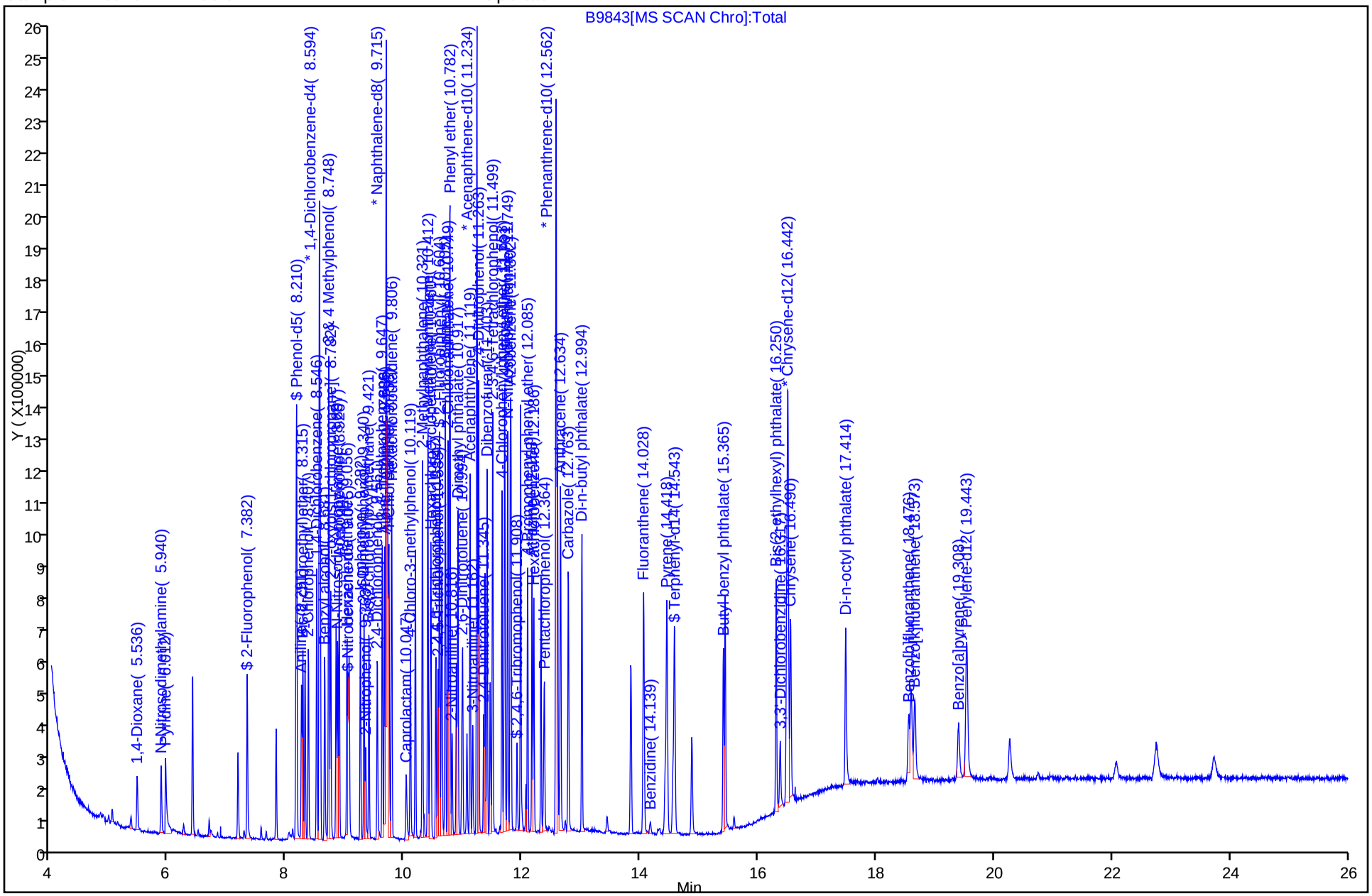
Inj Date: 27-Aug-2009 11:27:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48241 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: STD1

Sample Amount: 2.00 uL Operator: MZ



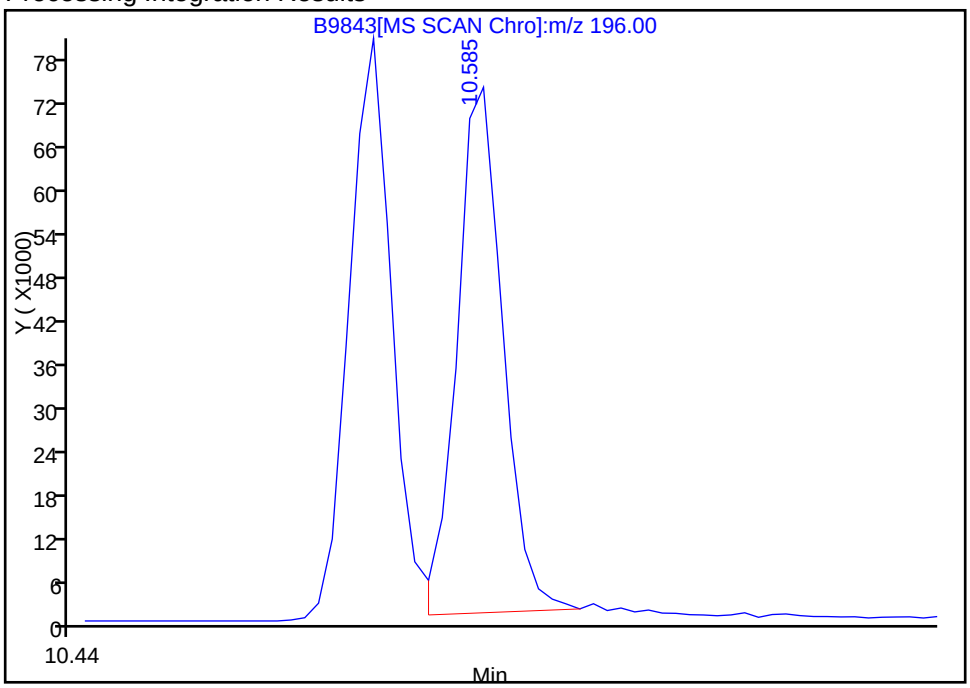
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9843.D		
Inj Date:	27-Aug-2009 11:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	STD1		
Sample Amount:	2.00 uL	Operator:	MZ

51 2,4,5-Trichlorophenol, Number: 1, m/z: 196 Type: quant, RT: 10.58

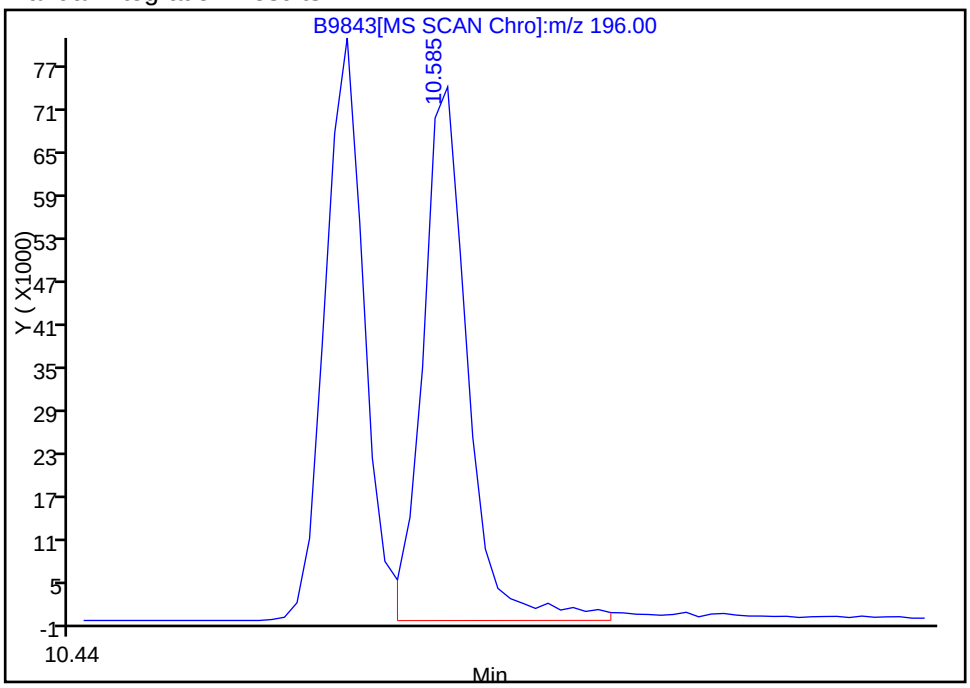
Processing Integration Results

RT: 10.59
Response: 80931
Amount: 0.867292



Manual Integration Results

RT: 10.59
Response: 87963
Amount: 0.878560



Reviewer: sullivanp, 27-Aug-2009 12:19:30
Audit Action: Manually Integrated
Audit Reason: Baseline

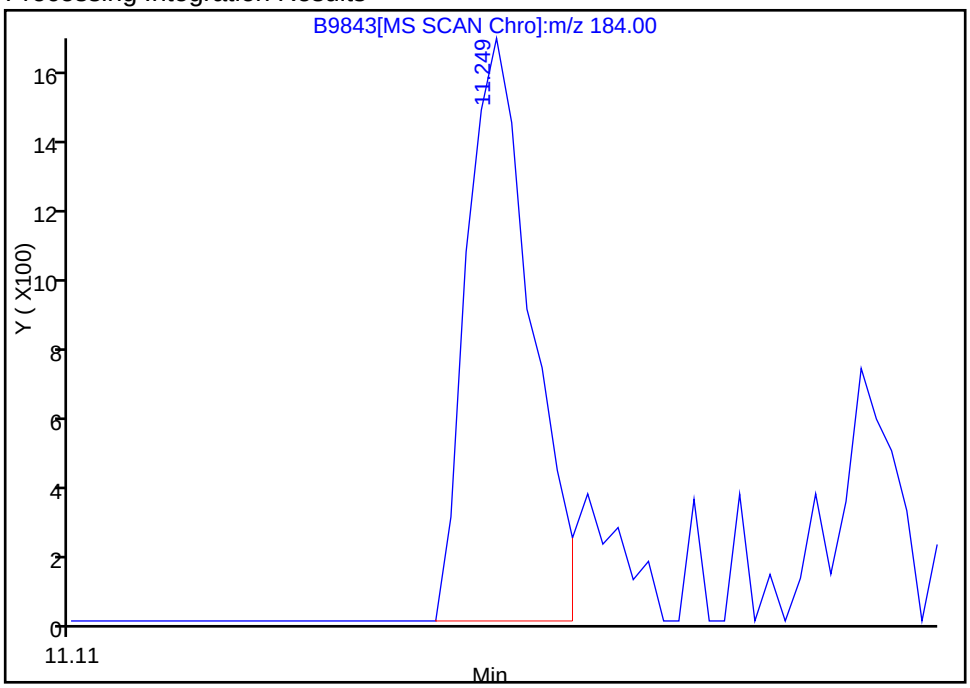
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9843.D		
Inj Date:	27-Aug-2009 11:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	STD1		
Sample Amount:	2.00 uL	Operator:	MZ

60 2,4-Dinitrophenol, Number: 1, m/z: 184 Type: quant, RT: 11.25

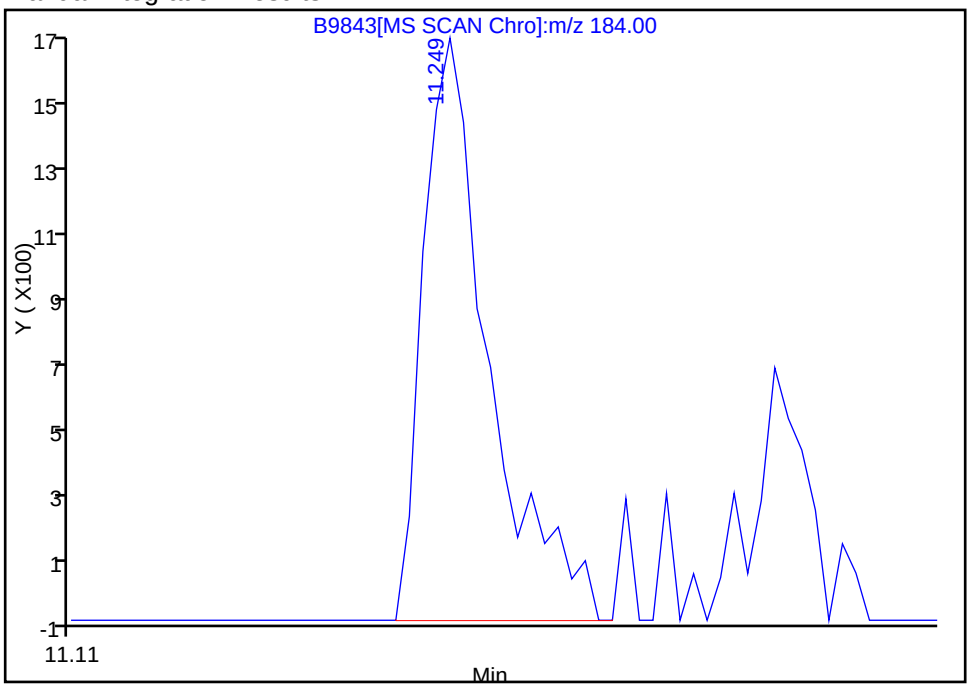
Processing Integration Results

RT: 11.25
Response: 2398
Amount: 2.808547



Manual Integration Results

RT: 11.25
Response: 2737
Amount: 2.851335



Reviewer: sullivanp, 28-Aug-2009 08:33:41
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9844.D		
Lims ID:	STD25	Client ID:	
Inject. Date:	27-Aug-2009 12:01:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	STD25		
Misc. Info.:	360-0000982-007		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	7
Lims Batch ID:	48241	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\8270B.m		
Last Update:	27-Aug-2009 14:18:43	Calib Date:	27-Aug-2009 13:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9846.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 27-Aug-2009 14:18:43

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.593	8.593	0.000	455009	2.00	
* 2 Naphthalene-d8	136	9.713	9.713	0.000	1011020	2.00	
* 3 Acenaphthene-d10	164	11.233	11.233	0.000	484449	2.00	
* 4 Phenanthrene-d10	188	12.560	12.560	0.000	737764	2.00	
* 5 Chrysene-d12	240	16.450	16.450	0.000	523250	2.00	
* 6 Perylene-d12	264	19.446	19.446	0.000	305210	2.00	
$ 7 2-Fluorophenol	112	7.376	7.376	0.000	353342	2.76	
$ 8 Phenol-d5	99	8.199	8.199	0.000	427518	2.70	
$ 9 Nitrobenzene-d5	82	9.074	9.074	0.000	384104	2.43	
$ 10 2-Fluorobiphenyl	172	10.608	10.608	0.000	844399	2.56	
$ 11 2,4,6-Tribromophenol	330	11.906	11.906	0.000	55955	2.26	
$ 12 Terphenyl-d14	244	14.546	14.546	0.000	571293	2.47	
14 1,4-Dioxane	88	5.515	5.515	0.000	153946	2.53	
15 N-Nitrosodimethylamine	42	5.929	5.929	0.000	211236	2.61	
16 Pyridine	79	5.986	5.986	0.000	306255	2.72	
18 Phenol	94	8.208	8.208	0.000	475038	2.71	
17 Benzaldehyde	94	8.208	8.208	0.000	475038	2.71	
19 Aniline	93	8.290	8.290	0.000	542968	2.79	
20 Bis(2-chloroethyl)ether	93	8.314	8.314	0.000	453197	2.36	
21 2-Chlorophenol	128	8.405	8.405	0.000	381290	2.72	
22 1,4-Dichlorobenzene	146	8.545	8.545	0.000	469886	2.59	
23 1,3-Dichlorobenzene	146	8.607	8.607	0.000	485416	2.59	
24 Benzyl alcohol	79	8.679	8.679	0.000	278760	2.79	
26 2-Methylphenol	108	8.679	8.679	0.000	225631	2.87	
28 3 & 4 Methylphenol	108	8.747	8.747	0.000	347285	2.70	
25 1,2-Dichlorobenzene	146	8.747	8.747	0.000	450671	2.60	
27 2,2'-oxybis[1-chloropropane]	45	8.780	8.780	0.000	663272	2.57	
29 N-Nitrosodi-n-propylamine	70	8.896	8.896	0.000	252693	2.79	
30 Acetophenone	105	8.925	8.925	0.000	531828	2.75	
31 Hexachloroethane	117	9.055	9.055	0.000	161784	2.68	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	9.088	9.088	0.000	375179	2.77	
33 Isophorone	82	9.281	9.281	0.000	686610	2.75	
35 2,4-Dimethylphenol	107	9.338	9.338	0.000	304600	2.59	
34 2-Nitrophenol	139	9.367	9.367	0.000	140963	2.17	
36 Benzoic acid	105	9.367	9.367	0.000	16011	4.33	M
37 Bis(2-chloroethoxy)methane	93	9.425	9.425	0.000	454453	2.60	
38 2,4-Dichlorophenol	162	9.564	9.564	0.000	281155	2.57	
39 1,2,4-Trichlorobenzene	180	9.646	9.646	0.000	367388	2.52	
40 Alpha-Terpineol	59	9.684	9.684	0.000	313482	2.72	
41 Naphthalene	128	9.733	9.733	0.000	1290066	2.55	
42 4-Chloroaniline	127	9.747	9.747	0.000	584853	2.62	
43 Hexachlorobutadiene	225	9.805	9.805	0.000	181972	2.54	
44 Caprolactam	55	10.050	10.050	0.000	123328	2.23	
45 4-Chloro-3-methylphenol	107	10.117	10.117	0.000	285601	2.55	
46 2-Methylnaphthalene	142	10.319	10.319	0.000	752665	2.55	
47 1-Methylnaphthalene	142	10.411	10.411	0.000	763583	2.51	
48 Hexachlorocyclopentadiene	237	10.444	10.444	0.000	82982	2.61	
49 1,2,4,5-Tetrachlorobenzene	216	10.463	10.463	0.000	316653	2.48	
50 2,4,6-Trichlorophenol	196	10.545	10.545	0.000	181341	2.36	
51 2,4,5-Trichlorophenol	196	10.584	10.584	0.000	188088	2.35	M
52 1,1'-Biphenyl	154	10.704	10.704	0.000	945126	2.57	
53 2-Chloronaphthalene	162	10.752	10.752	0.000	902611	2.70	
54 Phenyl ether	170	10.781	10.781	0.000	506500	2.48	
55 2-Nitroaniline	65	10.815	10.815	0.000	140585	2.15	
56 Dimethyl phthalate	163	10.916	10.916	0.000	750645	2.62	
57 2,6-Dinitrotoluene	165	10.992	10.992	0.000	153379	2.32	
58 Acenaphthylene	152	11.117	11.117	0.000	1101674	2.69	
59 3-Nitroaniline	138	11.161	11.161	0.000	136954	2.30	
60 2,4-Dinitrophenol	184	11.247	11.247	0.000	9453	1.16	
62 4-Nitrophenol	109	11.247	11.247	0.000	55437	2.55	
61 Acenaphthene	153	11.262	11.262	0.000	742897	2.51	
63 2,4-Dinitrotoluene	165	11.348	11.348	0.000	159053	2.14	
64 Dibenzofuran	168	11.406	11.406	0.000	992715	2.55	
65 2,3,4,6-Tetrachlorophenol	232	11.493	11.493	0.000	136099	2.34	
66 Diethyl phthalate	149	11.502	11.502	0.000	721339	2.59	
67 4-Chlorophenyl phenyl ether	204	11.651	11.651	0.000	368168	2.50	
68 4-Nitroaniline	138	11.695	11.695	0.000	96570	2.71	
69 Fluorene	166	11.699	11.699	0.000	803715	2.53	
70 4,6-Dinitro-2-methylphenol	198	11.699	11.699	0.000	19303	3.37	5
72 N-Nitrosodiphenylamine	169	11.747	11.747	0.000	664792	2.67	
71 Diphenylamine	169	11.747	11.747	0.000	664792	2.67	
74 Azobenzene	77	11.796	11.796	0.000	1216971	2.81	
73 1,2-Diphenylhydrazine	77	11.796	11.796	0.000	1216971	2.81	
13 Benzophenone	105	11.805	11.805	0.000	763085	2.75	
75 4-Bromophenyl phenyl ether	248	12.084	12.084	0.000	187635	2.63	
77 Atrazine	200	12.156	12.156	0.000	183980	2.57	
76 Hexachlorobenzene	284	12.190	12.190	0.000	182539	2.52	
78 Pentachlorophenol	266	12.353	12.353	0.000	56614	2.60	
79 Pentachloronitrobenzene	237	12.363	12.363	0.000	59276	2.29	
80 Phenanthrene	178	12.584	12.584	0.000	1065809	2.51	
81 Anthracene	178	12.637	12.637	0.000	1015472	2.60	
83 Carbazole	167	12.767	12.767	0.000	812059	2.61	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.993	12.993	0.000	1077919	2.74	
87 Fluoranthene	202	14.027	14.027	0.000	942358	2.61	
86 Benzidine	184	14.137	14.137	0.000	78927	2.88	
85 Pyrene	202	14.416	14.416	0.000	994470	2.50	
89 Butyl benzyl phthalate	149	15.364	15.364	0.000	379463	2.39	
92 Bis(2-ethylhexyl) phthalate	149	16.253	16.253	0.000	516257	2.34	
91 3,3'-Dichlorobenzidine	252	16.321	16.321	0.000	131413	2.72	
93 Benzo[a]anthracene	228	16.426	16.426	0.000	628424	2.55	
94 Chrysene	228	16.494	16.494	0.000	631033	2.46	
95 Di-n-octyl phthalate	149	17.417	17.417	0.000	750301	2.23	
97 Benzo[b]fluoranthene	252	18.518	18.518	0.000	496181	2.51	
98 Benzo[k]fluoranthene	252	18.581	18.581	0.000	478176	2.56	M
99 Benzo[a]pyrene	252	19.312	19.312	0.000	346848	2.29	
100 Indeno[1,2,3-cd]pyrene	276	22.615	22.615	0.000	235970	2.20	
101 Dibenz(a,h)anthracene	278	22.639	22.639	0.000	173773	2.14	
102 Benzo[g,h,i]perylene	276	23.596	23.596	0.000	217550	2.45	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 27-Aug-2009 14:18:44 Chrom Revision: 1.0.2009.729

Data File: \\wessvr06\chromdata\INSTB.i\20090827-1.b\B9844.D

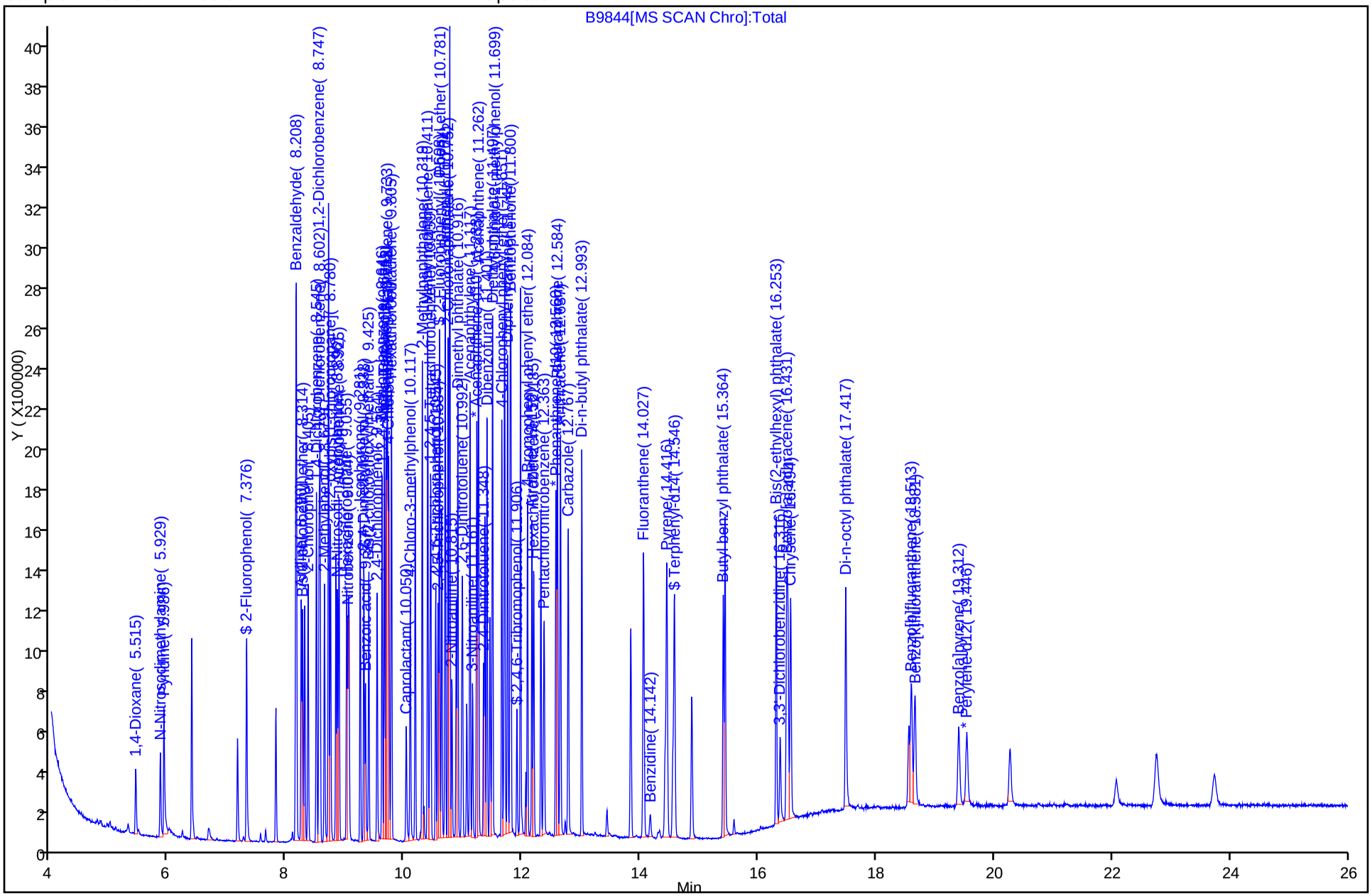
Inj Date: 27-Aug-2009 12:01:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48241 Lims Sample ID: 7

Client ID: Instrument: Inst. B

Sample Info: STD25

Sample Amount: 2.00 uL Operator: MZ



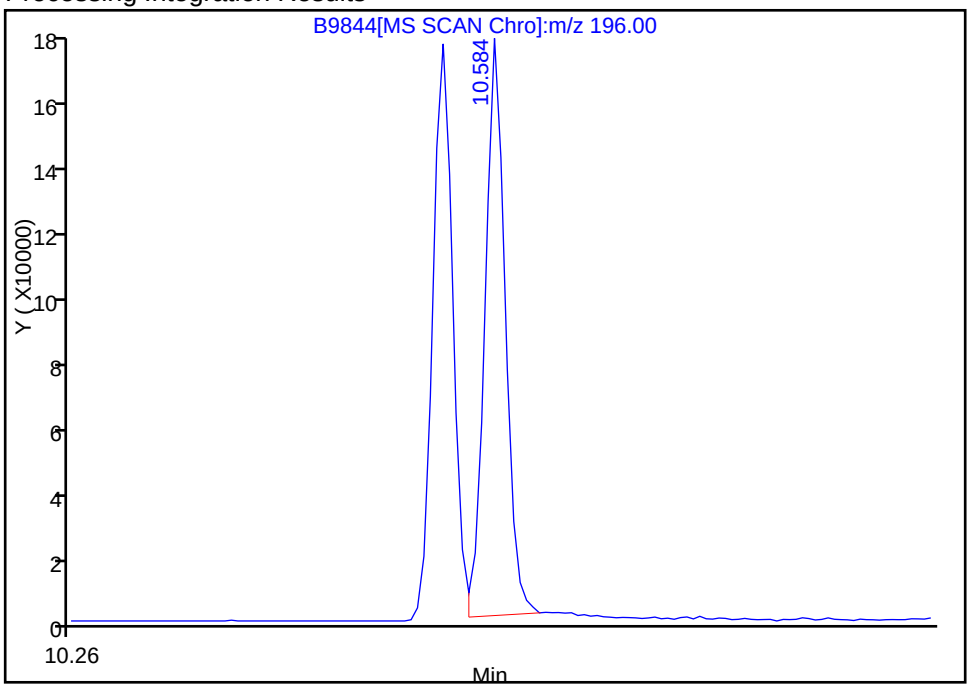
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9844.D		
Inj Date:	27-Aug-2009 12:01:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	STD25		
Sample Amount:	2.00 uL	Operator:	MZ

51 2,4,5-Trichlorophenol, Number: 1, m/z: 196 Type: quant, RT: 10.58

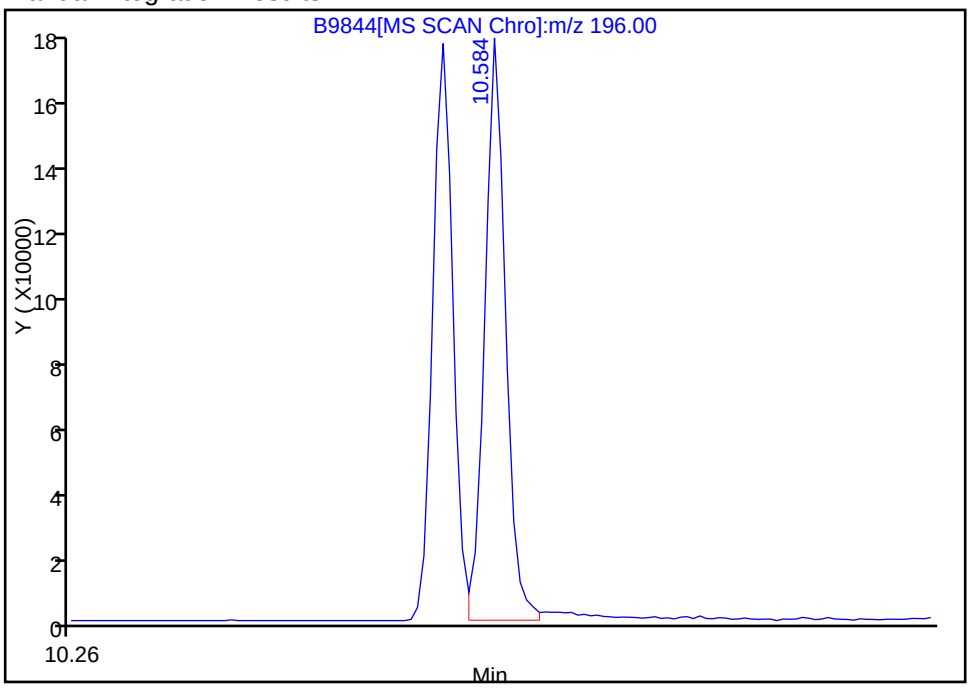
Processing Integration Results

RT: 10.58
Response: 182319
Amount: 2.284640



Manual Integration Results

RT: 10.58
Response: 188088
Amount: 2.348242



Reviewer: sullivanp, 27-Aug-2009 14:18:43
Audit Action: Manually Integrated
Audit Reason: Baseline

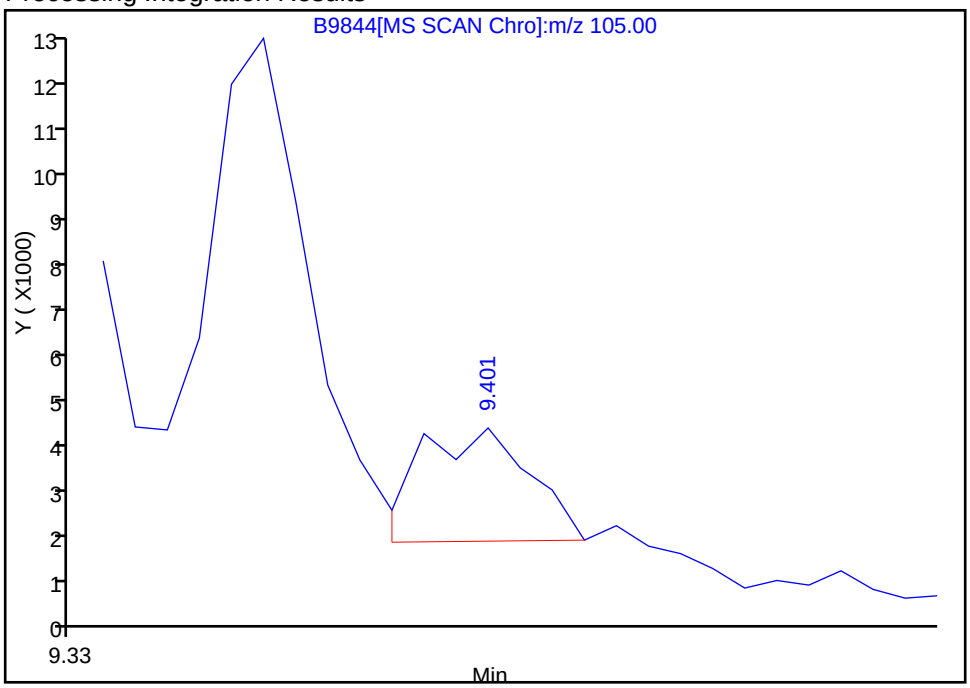
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9844.D		
Inj Date:	27-Aug-2009 12:01:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	STD25		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 9.37

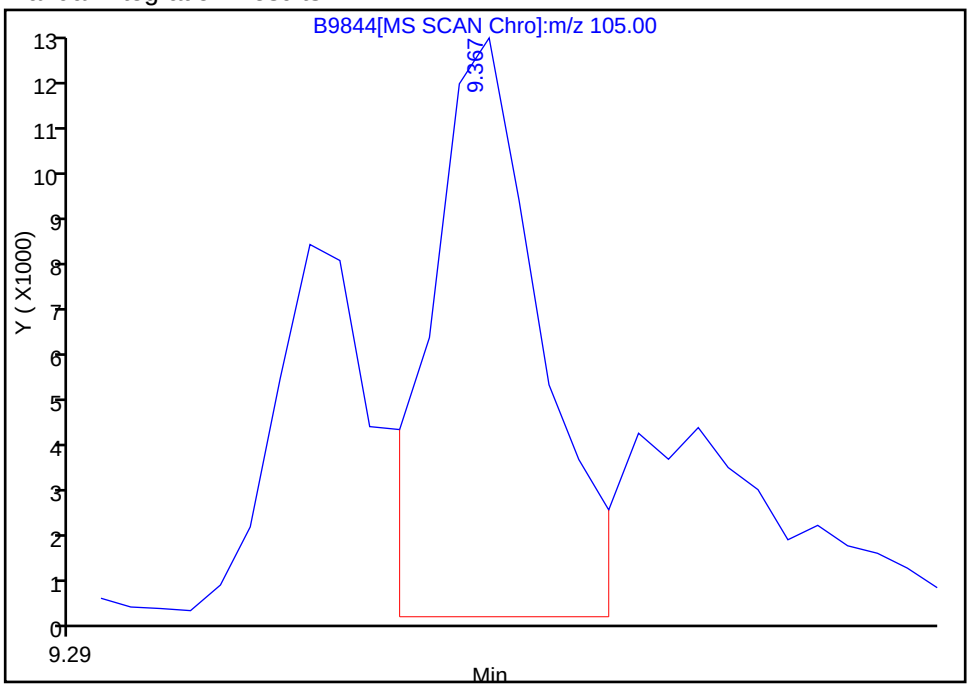
Processing Integration Results

RT: 9.40
Response: 2948
Amount: 4.089834



Manual Integration Results

RT: 9.37
Response: 16011
Amount: 4.332993



Reviewer: sullivanp, 27-Aug-2009 14:18:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

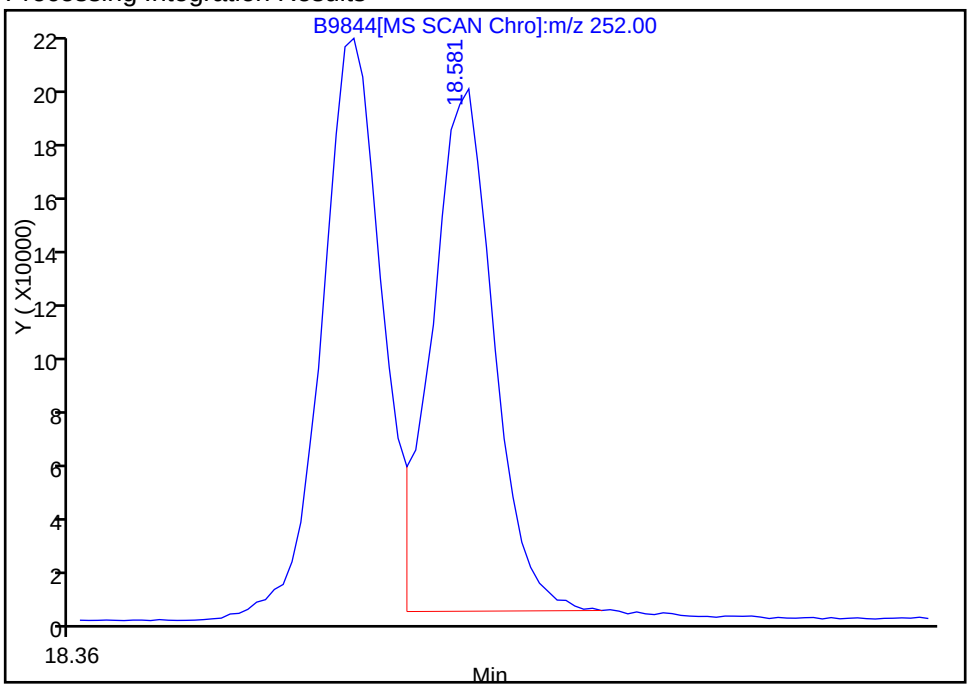
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9844.D		
Inj Date:	27-Aug-2009 12:01:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	STD25		
Sample Amount:	2.00 uL	Operator:	MZ

98 Benzo[k]fluoranthene, Number: 1, m/z: 252 Type: quant, RT: 18.58

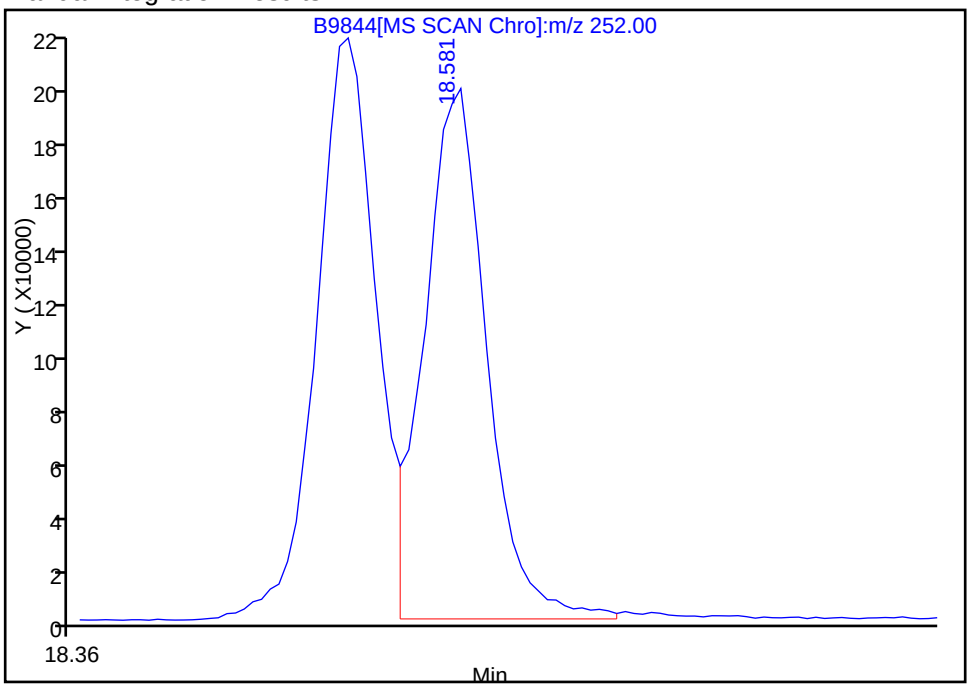
Processing Integration Results

RT: 18.58
Response: 455504
Amount: 2.457712



Manual Integration Results

RT: 18.58
Response: 478176
Amount: 2.564356



Reviewer: sullivanp, 27-Aug-2009 14:18:43
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9845.D		
Lims ID:	STD8	Client ID:	
Inject. Date:	27-Aug-2009 12:35:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	STD8		
Misc. Info.:	360-0000982-008		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	8
Lims Batch ID:	48241	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\8270B.m		
Last Update:	27-Aug-2009 14:19:54	Calib Date:	27-Aug-2009 13:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9846.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	27-Aug-2009 14:19:53

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.590	8.593	-0.003	611110	2.00	
* 2 Naphthalene-d8	136	9.715	9.713	0.002	1164778	2.00	
* 3 Acenaphthene-d10	164	11.235	11.233	0.002	541671	2.00	
* 4 Phenanthrene-d10	188	12.562	12.560	0.002	831695	2.00	
* 5 Chrysene-d12	240	16.453	16.450	0.003	667089	2.00	
* 6 Perylene-d12	264	19.448	19.446	0.002	413631	2.00	
$ 7 2-Fluorophenol	112	7.378	7.376	0.002	1258811	7.33	
$ 8 Phenol-d5	99	8.201	8.199	0.002	1547175	7.28	
$ 9 Nitrobenzene-d5	82	9.076	9.074	0.002	1459404	7.86	
$ 10 2-Fluorobiphenyl	172	10.610	10.608	0.002	2859566	7.74	
$ 11 2,4,6-Tribromophenol	330	11.908	11.906	0.002	237071	8.18	
$ 12 Terphenyl-d14	244	14.548	14.546	0.002	2145610	7.28	
14 1,4-Dioxane	88	5.517	5.515	0.002	511478	7.54	
15 N-Nitrosodimethylamine	42	5.931	5.929	0.002	731418	6.72	
16 Pyridine	79	5.984	5.986	-0.002	1172618	7.70	
18 Phenol	94	8.215	8.208	0.007	1666318	7.08	
17 Benzaldehyde	94	8.215	8.208	0.007	1666318	7.08	
19 Aniline	93	8.292	8.290	0.002	1967936	7.53	
20 Bis(2-chloroethyl)ether	93	8.316	8.314	0.002	1528947	8.01	
21 2-Chlorophenol	128	8.407	8.405	0.002	1366895	7.26	
22 1,4-Dichlorobenzene	146	8.547	8.545	0.002	1562873	7.90	
23 1,3-Dichlorobenzene	146	8.605	8.607	-0.002	1615887	7.85	
24 Benzyl alcohol	79	8.682	8.679	0.003	1047562	7.82	
26 2-Methylphenol	108	8.682	8.679	0.003	851368	8.05	
28 3 & 4 Methylphenol	108	8.749	8.747	0.002	1248582	7.23	
25 1,2-Dichlorobenzene	146	8.749	8.747	0.002	1535548	6.61	
27 2,2'-oxybis[1-chloropropane]	45	8.783	8.780	0.003	2207494	7.98	
29 N-Nitrosodi-n-propylamine	70	8.903	8.896	0.007	925274	7.60	
30 Acetophenone	105	8.927	8.925	0.002	1827984	7.03	
31 Hexachloroethane	117	9.052	9.055	-0.002	573673	7.08	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	9.090	9.088	0.002	1365799	8.76	
33 Isophorone	82	9.283	9.281	0.002	2511465	8.72	
35 2,4-Dimethylphenol	107	9.340	9.338	0.002	1105529	8.15	
34 2-Nitrophenol	139	9.369	9.367	0.002	627697	8.01	
36 Benzoic acid	105	9.398	9.367	0.031	349923	7.81	
37 Bis(2-chloroethoxy)methane	93	9.422	9.425	-0.003	1571075	7.81	
38 2,4-Dichlorophenol	162	9.566	9.564	0.002	1054199	8.27	
39 1,2,4-Trichlorobenzene	180	9.648	9.646	0.002	1258897	7.51	
40 Alpha-Terpineol	59	9.687	9.684	0.003	1139280	8.58	
41 Naphthalene	128	9.735	9.733	0.002	4228277	7.27	
42 4-Chloroaniline	127	9.749	9.747	0.002	2035441	7.91	
43 Hexachlorobutadiene	225	9.807	9.805	0.002	632866	7.68	
44 Caprolactam	55	10.067	10.050	0.016	554019	8.05	
45 4-Chloro-3-methylphenol	107	10.119	10.117	0.002	1088981	8.32	
46 2-Methylnaphthalene	142	10.321	10.319	0.002	2564995	7.54	
47 1-Methylnaphthalene	142	10.413	10.411	0.002	2629104	7.50	
48 Hexachlorocyclopentadiene	237	10.446	10.444	0.002	380613	7.72	
49 1,2,4,5-Tetrachlorobenzene	216	10.466	10.463	0.003	1104076	7.49	
50 2,4,6-Trichlorophenol	196	10.547	10.545	0.002	702610	8.00	
51 2,4,5-Trichlorophenol	196	10.586	10.584	0.002	744226	8.11	
52 1,1'-Biphenyl	154	10.706	10.704	0.002	3168848	7.72	
53 2-Chloronaphthalene	162	10.754	10.752	0.002	3052488	8.16	
54 Phenyl ether	170	10.783	10.781	0.002	1791240	7.62	
55 2-Nitroaniline	65	10.821	10.815	0.006	653961	7.91	
56 Dimethyl phthalate	163	10.922	10.916	0.006	2675006	8.35	
57 2,6-Dinitrotoluene	165	10.999	10.992	0.007	612243	7.96	
58 Acenaphthylene	152	11.120	11.117	0.003	3765313	8.24	
59 3-Nitroaniline	138	11.168	11.161	0.007	537424	7.79	
62 4-Nitrophenol	109	11.249	11.247	0.002	269667	7.79	
60 2,4-Dinitrophenol	184	11.249	11.247	0.002	105072	11.5	
61 Acenaphthene	153	11.264	11.262	0.002	2542968	7.68	
63 2,4-Dinitrotoluene	165	11.350	11.348	0.002	731397	7.73	
64 Dibenzofuran	168	11.408	11.406	0.002	3328041	7.63	
65 2,3,4,6-Tetrachlorophenol	232	11.495	11.493	0.002	529703	7.87	
66 Diethyl phthalate	149	11.504	11.502	0.002	2606056	8.37	
67 4-Chlorophenyl phenyl ether	204	11.653	11.651	0.002	1301796	7.92	
68 4-Nitroaniline	138	11.697	11.695	0.002	436317	7.41	
69 Fluorene	166	11.702	11.699	0.003	2798499	7.89	
70 4,6-Dinitro-2-methylphenol	198	11.702	11.699	0.003	193101	7.79	5
72 N-Nitrosodiphenylamine	169	11.754	11.747	0.007	2337765	8.32	
71 Diphenylamine	169	11.754	11.747	0.007	2337765	8.32	
74 Azobenzene	77	11.793	11.796	-0.003	4161806	8.52	
73 1,2-Diphenylhydrazine	77	11.793	11.796	-0.003	4161806	8.52	
13 Benzophenone	105	11.807	11.805	0.002	2726238	8.71	
75 4-Bromophenyl phenyl ether	248	12.086	12.084	0.002	659663	8.22	
77 Atrazine	200	12.163	12.156	0.007	690990	8.46	
76 Hexachlorobenzene	284	12.192	12.190	0.002	645991	7.92	
78 Pentachlorophenol	266	12.355	12.353	0.002	318090	8.05	
79 Pentachloronitrobenzene	237	12.365	12.363	0.002	247114	7.93	
80 Phenanthrene	178	12.586	12.584	0.002	3633200	7.59	
81 Anthracene	178	12.639	12.637	0.002	3659049	8.32	
83 Carbazole	167	12.769	12.767	0.002	2765045	7.89	

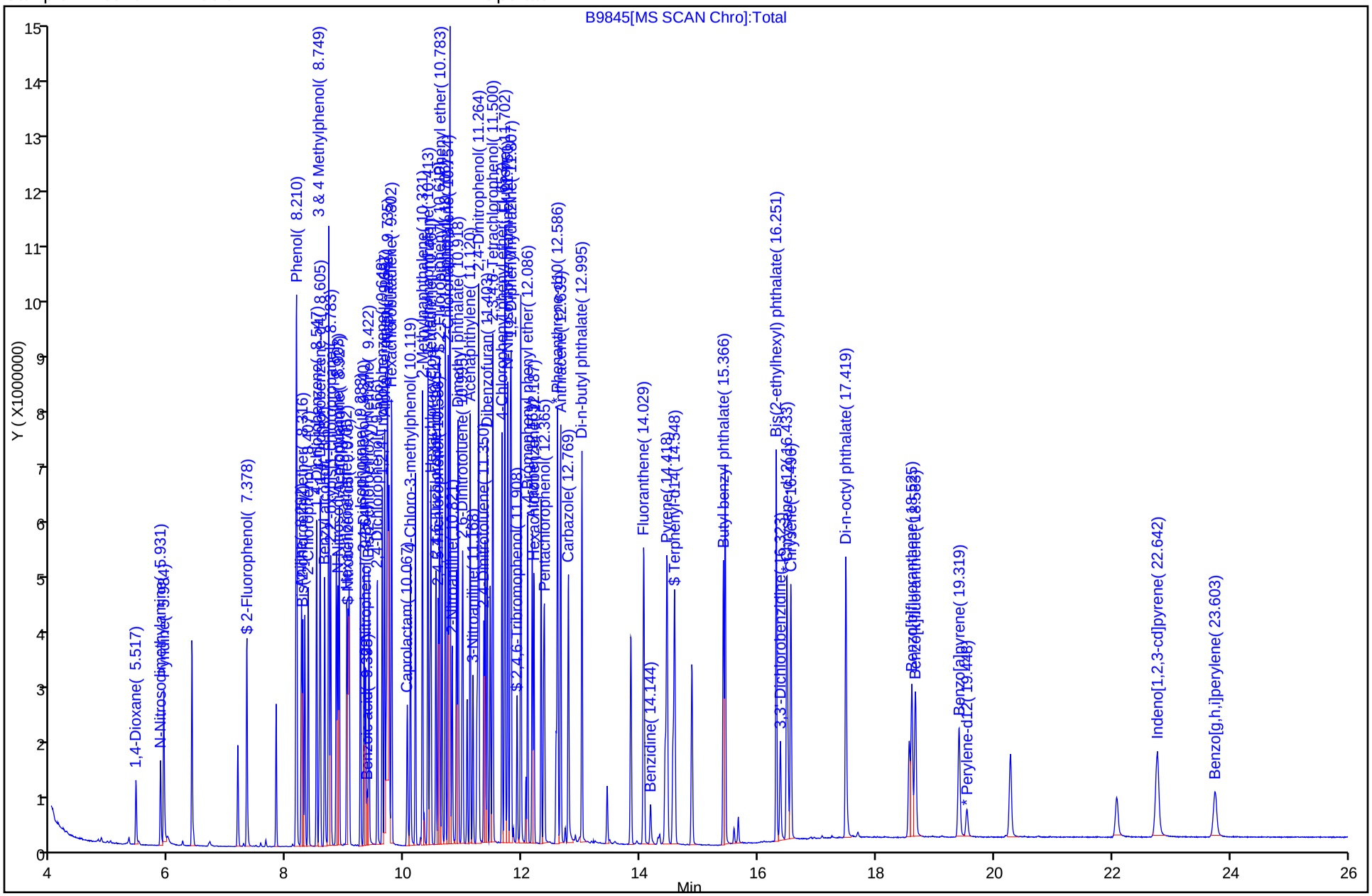
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.995	12.993	0.002	4021526	9.07	
87 Fluoranthene	202	14.029	14.027	0.002	3480174	8.53	
86 Benzidine	184	14.144	14.137	0.007	449550	7.58	
85 Pyrene	202	14.423	14.416	0.007	3727369	7.34	
89 Butyl benzyl phthalate	149	15.366	15.364	0.002	1636835	7.89	
92 Bis(2-ethylhexyl) phthalate	149	16.251	16.253	-0.002	2294599	7.96	
91 3,3'-Dichlorobenzidine	252	16.323	16.321	0.002	558878	9.09	
93 Benzo[a]anthracene	228	16.429	16.426	0.003	2624808	8.36	
94 Chrysene	228	16.496	16.494	0.002	2523208	7.72	
95 Di-n-octyl phthalate	149	17.419	17.417	0.002	3519599	7.47	
97 Benzo[b]fluoranthene	252	18.525	18.518	0.007	2184474	8.17	
98 Benzo[k]fluoranthene	252	18.588	18.581	0.007	2128189	8.42	
99 Benzo[a]pyrene	252	19.314	19.312	0.002	1694740	8.10	
100 Indeno[1,2,3-cd]pyrene	276	22.632	22.615	0.017	1304200	8.76	
101 Dibenz(a,h)anthracene	278	22.651	22.639	0.012	1024654	8.55	
102 Benzo[g,h,i]perylene	276	23.608	23.596	0.012	1132195	9.40	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 27-Aug-2009 14:19:54 Chrom Revision: 1.0.2009.729

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9845.D		
Inj Date:	27-Aug-2009 12:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	8
Client ID:		Instrument:	Inst. B
Sample Info:	STD8		
Sample Amount:	2.00 uL	Operator:	MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9846.D		
Lims ID:	STD10	Client ID:	
Inject. Date:	27-Aug-2009 13:09:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	STD10		
Misc. Info.:	360-0000982-009		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	9
Lims Batch ID:	48241	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\8270B.m		
Last Update:	28-Aug-2009 08:35:53	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	27-Aug-2009 14:21:26
Reviewed By:	sullivanp	Date:	28-Aug-2009 08:35:52

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.593	8.593	0.000	736311	2.00	
* 2 Naphthalene-d8	136	9.714	9.714	0.000	1307017	2.00	
* 3 Acenaphthene-d10	164	11.233	11.233	0.000	626365	2.00	
* 4 Phenanthrene-d10	188	12.565	12.560	0.005	994151	2.00	
* 5 Chrysene-d12	240	16.456	16.450	0.006	814376	2.00	
* 6 Perylene-d12	264	19.452	19.446	0.006	452460	2.00	
$ 7 2-Fluorophenol	112	7.382	7.376	0.006	1761442	8.48	
$ 8 Phenol-d5	99	8.204	8.199	0.005	2183579	8.52	
$ 9 Nitrobenzene-d5	82	9.074	9.074	0.000	2100828	10.1	
$ 10 2-Fluorobiphenyl	172	10.608	10.608	0.000	3994653	9.54	
$ 11 2,4,6-Tribromophenol	330	11.912	11.906	0.006	367632	9.85	
$ 12 Terphenyl-d14	244	14.547	14.546	0.001	3344447	9.38	
14 1,4-Dioxane	88	5.530	5.515	0.015	753392	8.78	
15 N-Nitrosodimethylamine	42	5.934	5.929	0.005	1021906	7.87	
16 Pyridine	79	5.992	5.986	0.006	1764718	8.95	
17 Benzaldehyde	94	8.218	8.208	0.010	2362974	8.37	
18 Phenol	94	8.218	8.208	0.010	2362974	8.37	
19 Aniline	93	8.295	8.290	0.005	2991116	9.52	
20 Bis(2-chloroethyl)ether	93	8.319	8.314	0.005	1999782	8.80	
21 2-Chlorophenol	128	8.411	8.405	0.006	1948446	8.57	
22 1,4-Dichlorobenzene	146	8.545	8.545	0.000	2181851	8.79	
23 1,3-Dichlorobenzene	146	8.608	8.607	0.001	2271746	8.85	
24 Benzyl alcohol	79	8.685	8.679	0.006	1515982	9.26	
26 2-Methylphenol	108	8.685	8.679	0.006	1239841	9.54	
28 3 & 4 Methylphenol	108	8.752	8.747	0.005	1799490	8.64	
25 1,2-Dichlorobenzene	146	8.752	8.747	0.005	2129597	7.71	
27 2,2'-oxybis[1-chloropropane]	45	8.781	8.780	0.001	3020778	8.98	
29 N-Nitrosodi-n-propylamine	70	8.906	8.896	0.010	1329851	9.01	
30 Acetophenone	105	8.925	8.925	0.000	2576828	8.29	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	9.055	9.055	0.001	815843	8.35	
32 Nitrobenzene	77	9.094	9.088	0.006	1967459	11.2	
33 Isophorone	82	9.286	9.281	0.005	3513482	10.9	
35 2,4-Dimethylphenol	107	9.344	9.338	0.006	1585093	10.4	
34 2-Nitrophenol	139	9.368	9.367	0.001	952311	10.2	
36 Benzoic acid	105	9.416	9.389	0.027	847870	10.1	
37 Bis(2-chloroethoxy)methane	93	9.425	9.425	0.000	2216454	9.91	
38 2,4-Dichlorophenol	162	9.565	9.564	0.001	1541503	10.6	
39 1,2,4-Trichlorobenzene	180	9.647	9.646	0.001	1767213	9.48	
40 Alpha-Terpineol	59	9.690	9.684	0.006	1604395	10.7	
41 Naphthalene	128	9.733	9.733	0.000	5708709	9.06	
42 4-Chloroaniline	127	9.748	9.747	0.001	3078313	10.6	
43 Hexachlorobutadiene	225	9.805	9.805	0.000	893685	9.71	
44 Caprolactam	55	10.075	10.050	0.025	810669	9.90	
45 4-Chloro-3-methylphenol	107	10.123	10.117	0.006	1605410	10.8	
46 2-Methylnaphthalene	142	10.320	10.319	0.001	3608578	9.65	
47 1-Methylnaphthalene	142	10.416	10.411	0.005	3685514	9.57	
48 Hexachlorocyclopentadiene	237	10.445	10.444	0.001	653358	10.4	
49 1,2,4,5-Tetrachlorobenzene	216	10.464	10.463	0.001	1597337	9.71	
50 2,4,6-Trichlorophenol	196	10.546	10.545	0.001	1062409	10.1	
51 2,4,5-Trichlorophenol	196	10.589	10.581	0.008	1096885	9.98	
52 1,1'-Biphenyl	154	10.709	10.704	0.005	4386404	9.47	
53 2-Chloronaphthalene	162	10.757	10.752	0.005	4095977	9.60	
54 Phenyl ether	170	10.786	10.781	0.005	2540071	9.79	
55 2-Nitroaniline	65	10.820	10.815	0.005	987208	10.3	
56 Dimethyl phthalate	163	10.921	10.916	0.005	3849464	10.5	
57 2,6-Dinitrotoluene	165	11.003	10.992	0.011	927908	10.1	
58 Acenaphthylene	152	11.123	11.117	0.006	5268460	10.2	
59 3-Nitroaniline	138	11.171	11.161	0.010	876526	10.4	
62 4-Nitrophenol	109	11.253	11.247	0.006	454056	10.8	
60 2,4-Dinitrophenol	184	11.253	11.253	0.000	230640	9.96	M
61 Acenaphthene	153	11.267	11.262	0.005	3590916	9.56	
63 2,4-Dinitrotoluene	165	11.354	11.348	0.006	1144819	10.3	
64 Dibenzofuran	168	11.407	11.406	0.001	4700338	9.56	
65 2,3,4,6-Tetrachlorophenol	232	11.498	11.493	0.005	826169	10.1	
66 Diethyl phthalate	149	11.508	11.502	0.006	3751816	10.5	
67 4-Chlorophenyl phenyl ether	204	11.657	11.651	0.006	1899894	10.0	
68 4-Nitroaniline	138	11.700	11.695	0.005	839945	10.7	
69 Fluorene	166	11.705	11.699	0.006	4016035	9.96	
70 4,6-Dinitro-2-methylphenol	198	11.705	11.702	0.003	431320	10.4	
72 N-Nitrosodiphenylamine	169	11.753	11.747	0.006	3399065	10.2	
71 Diphenylamine	169	11.753	11.747	0.006	3399065	10.2	
73 1,2-Diphenylhydrazine	77	11.796	11.796	0.000	5939722	10.3	
74 Azobenzene	77	11.796	11.796	0.000	5939722	10.3	
13 Benzophenone	105	11.811	11.805	0.006	3923075	10.5	
75 4-Bromophenyl phenyl ether	248	12.089	12.084	0.005	980090	10.1	
77 Atrazine	200	12.166	12.156	0.010	1030202	10.4	
76 Hexachlorobenzene	284	12.190	12.190	0.000	948911	9.69	
78 Pentachlorophenol	266	12.354	12.353	0.001	531246	9.75	
79 Pentachloronitrobenzene	237	12.368	12.363	0.005	385100	9.95	
80 Phenanthrene	178	12.590	12.584	0.006	5299899	9.49	
81 Anthracene	178	12.642	12.637	0.005	5320996	10.3	

Report Date: 28-Aug-2009 08:35:53 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\INSTB.i\20090827-1.b\B9846.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	12.767	12.767	0.000	4282374	10.3	
84 Di-n-butyl phthalate	149	12.998	12.993	0.005	5793355	11.1	
87 Fluoranthene	202	14.032	14.027	0.005	5299923	10.9	
86 Benzidine	184	14.148	14.137	0.011	915006	11.2	
85 Pyrene	202	14.422	14.416	0.006	5707300	9.37	
89 Butyl benzyl phthalate	149	15.369	15.364	0.005	2621789	10.2	
92 Bis(2-ethylhexyl) phthalate	149	16.254	16.253	0.001	3626915	10.4	
91 3,3'-Dichlorobenzidine	252	16.326	16.321	0.005	931628	10.1	
93 Benzo[a]anthracene	228	16.437	16.426	0.011	4042907	10.5	
94 Chrysene	228	16.499	16.494	0.005	3885456	9.83	
95 Di-n-octyl phthalate	149	17.422	17.417	0.005	5638138	11.1	
97 Benzo[b]fluoranthene	252	18.533	18.516	0.017	3106164	10.4	
98 Benzo[k]fluoranthene	252	18.591	18.578	0.013	3097438	11.0	
99 Benzo[a]pyrene	252	19.317	19.312	0.005	2350422	9.96	
100 Indeno[1,2,3-cd]pyrene	276	22.640	22.615	0.025	1635054	9.62	
101 Dibenz(a,h)anthracene	278	22.650	22.639	0.011	1289444	9.60	
102 Benzo[g,h,i]perylene	276	23.611	23.596	0.015	1379784	10.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 28-Aug-2009 08:35:54 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090827-1.b\B9846.D

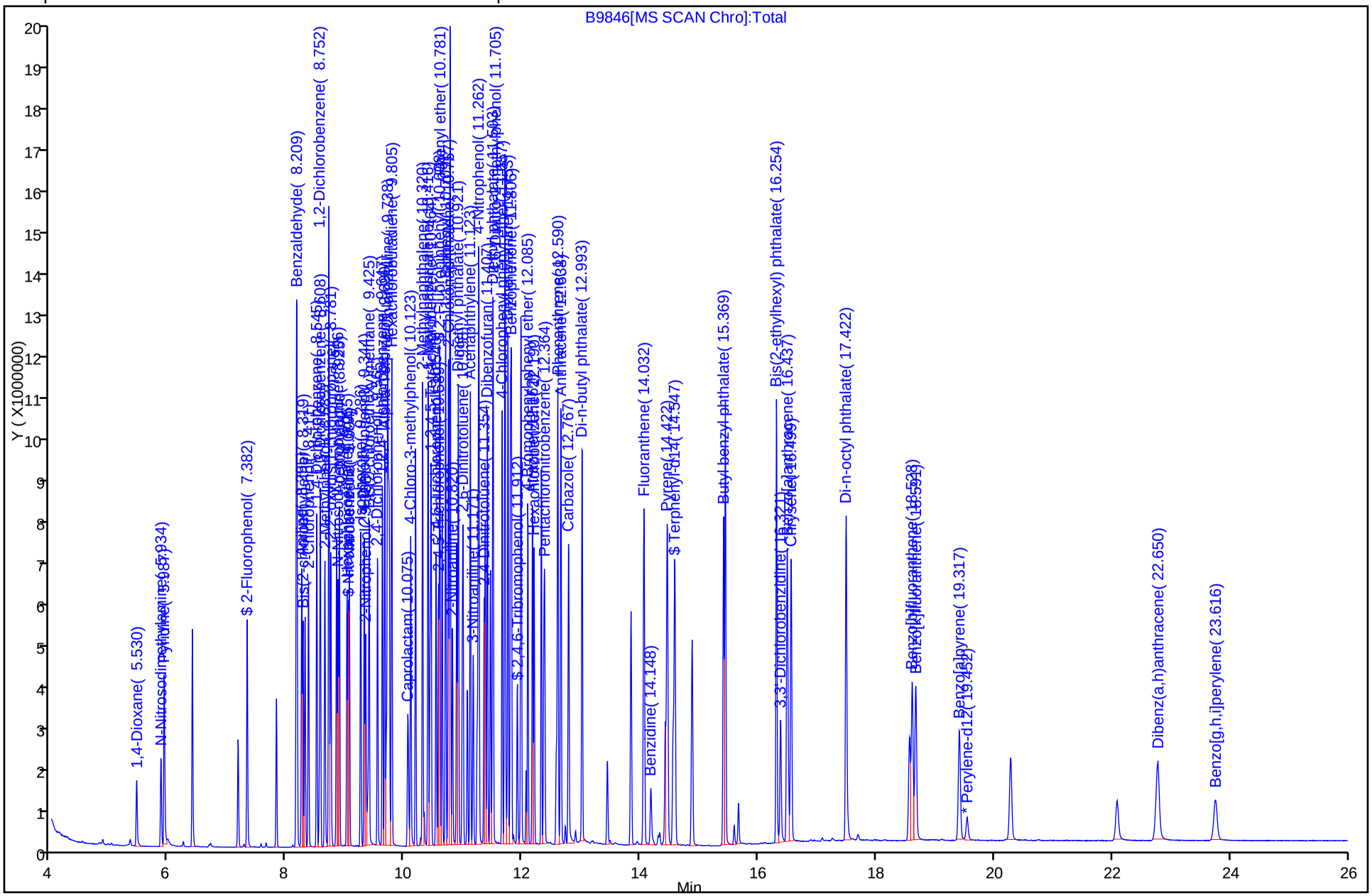
Inj Date: 27-Aug-2009 13:09:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48241 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: STD10

Sample Amount: 2.00 uL Operator: MZ



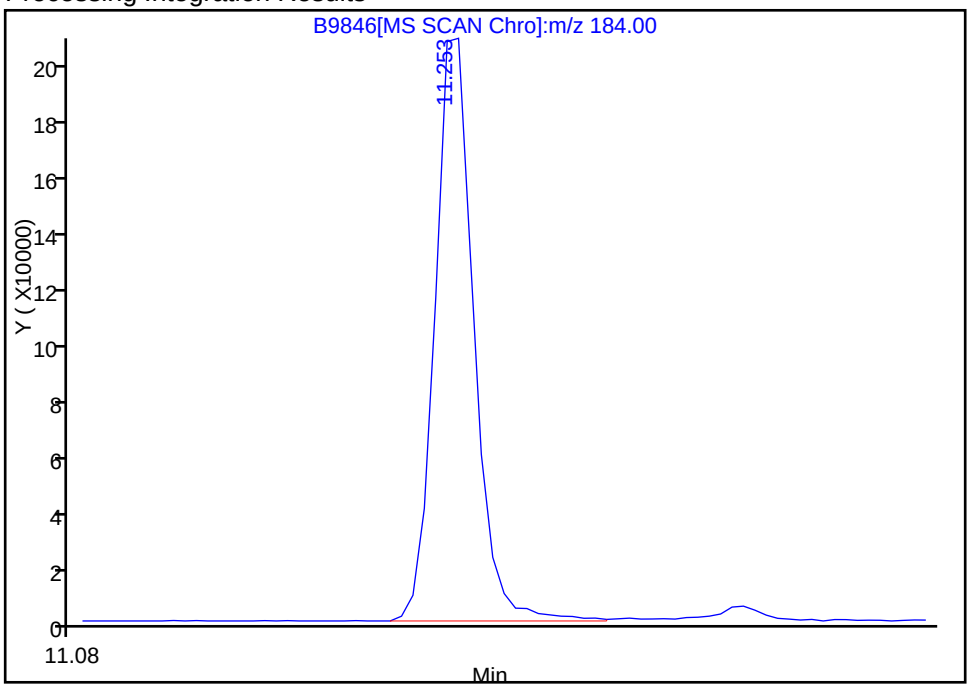
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9846.D		
Inj Date:	27-Aug-2009 13:09:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	STD10		
Sample Amount:	2.00 uL	Operator:	MZ

60 2,4-Dinitrophenol, Number: 1, m/z: 184 Type: quant, RT: 11.25

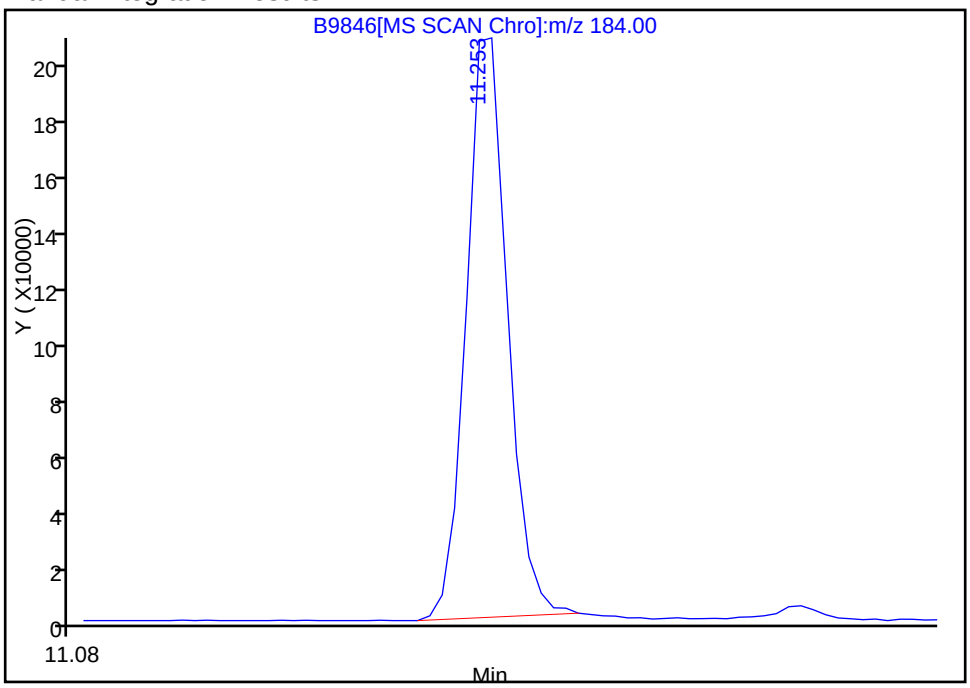
Processing Integration Results

RT: 11.25
Response: 238293
Amount: 10.102156



Manual Integration Results

RT: 11.25
Response: 230640
Amount: 9.962940



Reviewer: sullivanp, 28-Aug-2009 08:35:52
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Lims ID:	STD20	Client ID:	
Inject. Date:	27-Aug-2009 13:43:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	STD20		
Misc. Info.:	360-0000982-010		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	10
Lims Batch ID:	48241	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\8270B.m		
Last Update:	27-Aug-2009 14:49:30	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	27-Aug-2009 14:39:47
Reviewed By:	sullivanp	Date:	27-Aug-2009 14:49:30

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.594	8.593	0.001	608234	2.00	
* 2 Naphthalene-d8	136	9.714	9.714	0.000	1304273	2.00	M
* 3 Acenaphthene-d10	164	11.239	11.233	0.006	604758	2.00	
* 4 Phenanthrene-d10	188	12.566	12.560	0.006	940727	2.00	
* 5 Chrysene-d12	240	16.456	16.450	0.006	767843	2.00	
* 6 Perylene-d12	264	19.452	19.446	0.006	439657	2.00	
$ 7 2-Fluorophenol	112	7.382	7.376	0.006	3522921	20.5	
$ 8 Phenol-d5	99	8.209	8.199	0.010	4231349	20.0	
$ 9 Nitrobenzene-d5	82	9.080	9.074	0.006	4111442	19.8	
$ 10 2-Fluorobiphenyl	172	10.614	10.608	0.006	6734287	16.7	
$ 11 2,4,6-Tribromophenol	330	11.917	11.906	0.011	773181	21.7	
$ 12 Terphenyl-d14	244	14.557	14.546	0.011	6214660	18.5	
14 1,4-Dioxane	88	5.526	5.515	0.011	1490875	21.2	
15 N-Nitrosodimethylamine	42	5.939	5.929	0.010	1980714	18.5	
16 Pyridine	79	5.988	5.986	0.002	3548274	21.5	
18 Phenol	94	8.224	8.208	0.016	4466588	19.2	
17 Benzaldehyde	94	8.224	8.208	0.016	4466588	19.2	
19 Aniline	93	8.301	8.290	0.011	5108428	19.7	
20 Bis(2-chloroethyl)ether	93	8.325	8.314	0.011	4325721	20.2	
21 2-Chlorophenol	128	8.411	8.405	0.006	3831764	20.4	
22 1,4-Dichlorobenzene	146	8.551	8.545	0.006	4194729	20.6	
23 1,3-Dichlorobenzene	146	8.608	8.607	0.001	4320677	20.5	
24 Benzyl alcohol	79	8.685	8.679	0.006	3004420	22.2	
26 2-Methylphenol	108	8.685	8.679	0.006	2491724	23.2	
28 3 & 4 Methylphenol	108	8.757	8.747	0.010	3459615	20.1	
25 1,2-Dichlorobenzene	146	8.753	8.747	0.006	4026375	17.7	
27 2,2'-oxybis[1-chloropropane]	45	8.786	8.780	0.006	5439705	19.7	
29 N-Nitrosodi-n-propylamine	70	8.911	8.896	0.015	2580992	21.2	
30 Acetophenone	105	8.931	8.925	0.006	4824436	18.8	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	9.056	9.055	0.002	1630708	20.2	
32 Nitrobenzene	77	9.099	9.088	0.011	3751277	21.3	
33 Isophorone	82	9.291	9.281	0.010	6507140	20.2	
35 2,4-Dimethylphenol	107	9.349	9.338	0.011	3073343	20.2	
34 2-Nitrophenol	139	9.368	9.367	0.001	2004639	21.4	
37 Bis(2-chloroethoxy)methane	93	9.431	9.425	0.006	4144556	18.6	
36 Benzoic acid	105	9.445	9.445	0.000	2168604	14.4	M
38 2,4-Dichlorophenol	162	9.570	9.564	0.006	3077477	21.2	
39 1,2,4-Trichlorobenzene	180	9.652	9.646	0.006	3445602	18.5	
40 Alpha-Terpineol	59	9.690	9.684	0.006	3066435	20.6	
41 Naphthalene	128	9.738	9.733	0.005	8924341	14.2	
42 4-Chloroaniline	127	9.753	9.747	0.006	5811130	20.1	
43 Hexachlorobutadiene	225	9.811	9.805	0.006	1777087	19.3	
44 Caprolactam	55	10.094	10.050	0.044	1757206	21.2	
45 4-Chloro-3-methylphenol	107	10.128	10.117	0.011	3113864	21.0	
46 2-Methylnaphthalene	142	10.325	10.319	0.006	6271818	16.8	
47 1-Methylnaphthalene	142	10.416	10.411	0.005	6428973	16.7	
48 Hexachlorocyclopentadiene	237	10.445	10.444	0.001	1259469	20.3	
49 1,2,4,5-Tetrachlorobenzene	216	10.465	10.463	0.002	3139686	19.1	
50 2,4,6-Trichlorophenol	196	10.551	10.545	0.006	2116968	20.8	
51 2,4,5-Trichlorophenol	196	10.594	10.584	0.010	2218074	20.8	
52 1,1'-Biphenyl	154	10.710	10.704	0.006	7187516	16.1	
53 2-Chloronaphthalene	162	10.758	10.752	0.006	7387780	17.9	
54 Phenyl ether	170	10.787	10.781	0.006	4500075	17.4	
55 2-Nitroaniline	65	10.825	10.815	0.010	1928459	20.7	
56 Dimethyl phthalate	163	10.931	10.916	0.015	6760746	19.0	
57 2,6-Dinitrotoluene	165	11.008	10.992	0.016	1837797	20.6	
58 Acenaphthylene	152	11.123	11.117	0.006	8258778	16.5	
59 3-Nitroaniline	138	11.176	11.161	0.015	1750882	21.3	
62 4-Nitrophenol	109	11.263	11.247	0.016	845357	20.5	
60 2,4-Dinitrophenol	184	11.258	11.247	0.011	582329	19.9	
61 Acenaphthene	153	11.268	11.262	0.006	6155732	17.0	
63 2,4-Dinitrotoluene	165	11.359	11.348	0.011	2276379	21.1	
64 Dibenzofuran	168	11.412	11.406	0.006	7530608	15.9	
65 2,3,4,6-Tetrachlorophenol	232	11.498	11.493	0.005	1674390	21.1	
66 Diethyl phthalate	149	11.513	11.502	0.011	6322018	18.4	
67 4-Chlorophenyl phenyl ether	204	11.657	11.651	0.006	3657929	19.9	
68 4-Nitroaniline	138	11.705	11.695	0.010	1577317	20.4	
69 Fluorene	166	11.705	11.699	0.006	6757220	17.4	
70 4,6-Dinitro-2-methylphenol	198	11.715	11.699	0.016	964619	14.6	5
72 N-Nitrosodiphenylamine	169	11.758	11.747	0.011	6005341	19.0	
71 Diphenylamine	169	11.758	11.747	0.011	6005341	19.0	
74 Azobenzene	77	11.801	11.796	0.005	9619196	17.7	
73 1,2-Diphenylhydrazine	77	11.801	11.796	0.005	9619196	17.7	
13 Benzophenone	105	11.816	11.805	0.011	6877152	19.5	
75 4-Bromophenyl phenyl ether	248	12.090	12.084	0.006	1939081	21.2	
77 Atrazine	200	12.172	12.156	0.016	1988059	21.2	
76 Hexachlorobenzene	284	12.196	12.190	0.006	1908379	20.6	
78 Pentachlorophenol	266	12.359	12.353	0.006	1138364	20.6	
79 Pentachloronitrobenzene	237	12.374	12.363	0.011	768719	20.8	
80 Phenanthrene	178	12.590	12.584	0.006	8518577	16.1	
81 Anthracene	178	12.643	12.637	0.006	8527994	17.4	

Report Date: 27-Aug-2009 14:49:31 Chrom Revision: 1.0.2009.729
Data File: \\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	12.773	12.767	0.006	7448756	18.9	
84 Di-n-butyl phthalate	149	12.999	12.993	0.006	8778584	17.8	
87 Fluoranthene	202	14.038	14.027	0.011	8938387	19.4	
86 Benzidine	184	14.158	14.137	0.021	1764521	19.9	
85 Pyrene	202	14.427	14.416	0.011	9828888	17.1	
89 Butyl benzyl phthalate	149	15.370	15.364	0.006	4896189	20.2	
92 Bis(2-ethylhexyl) phthalate	149	16.259	16.253	0.006	6454985	19.6	
91 3,3'-Dichlorobenzidine	252	16.331	16.321	0.010	2221070	20.0	
93 Benzo[a]anthracene	228	16.442	16.426	0.016	7319993	20.2	
94 Chrysene	228	16.509	16.494	0.015	6861417	18.4	
95 Di-n-octyl phthalate	149	17.428	17.417	0.011	9645182	19.5	
97 Benzo[b]fluoranthene	252	18.543	18.518	0.025	6369067	22.1	
98 Benzo[k]fluoranthene	252	18.601	18.581	0.020	5853369	21.6	
99 Benzo[a]pyrene	252	19.332	19.312	0.020	4769867	20.7	
100 Indeno[1,2,3-cd]pyrene	276	22.650	22.615	0.035	3486590	21.0	
101 Dibenz(a,h)anthracene	278	22.669	22.639	0.030	2790543	21.3	
102 Benzo[g,h,i]perylene	276	23.626	23.596	0.030	2894534	22.3	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 27-Aug-2009 14:49:31 Chrom Revision: 1.0.2009.729

Data File: \\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D

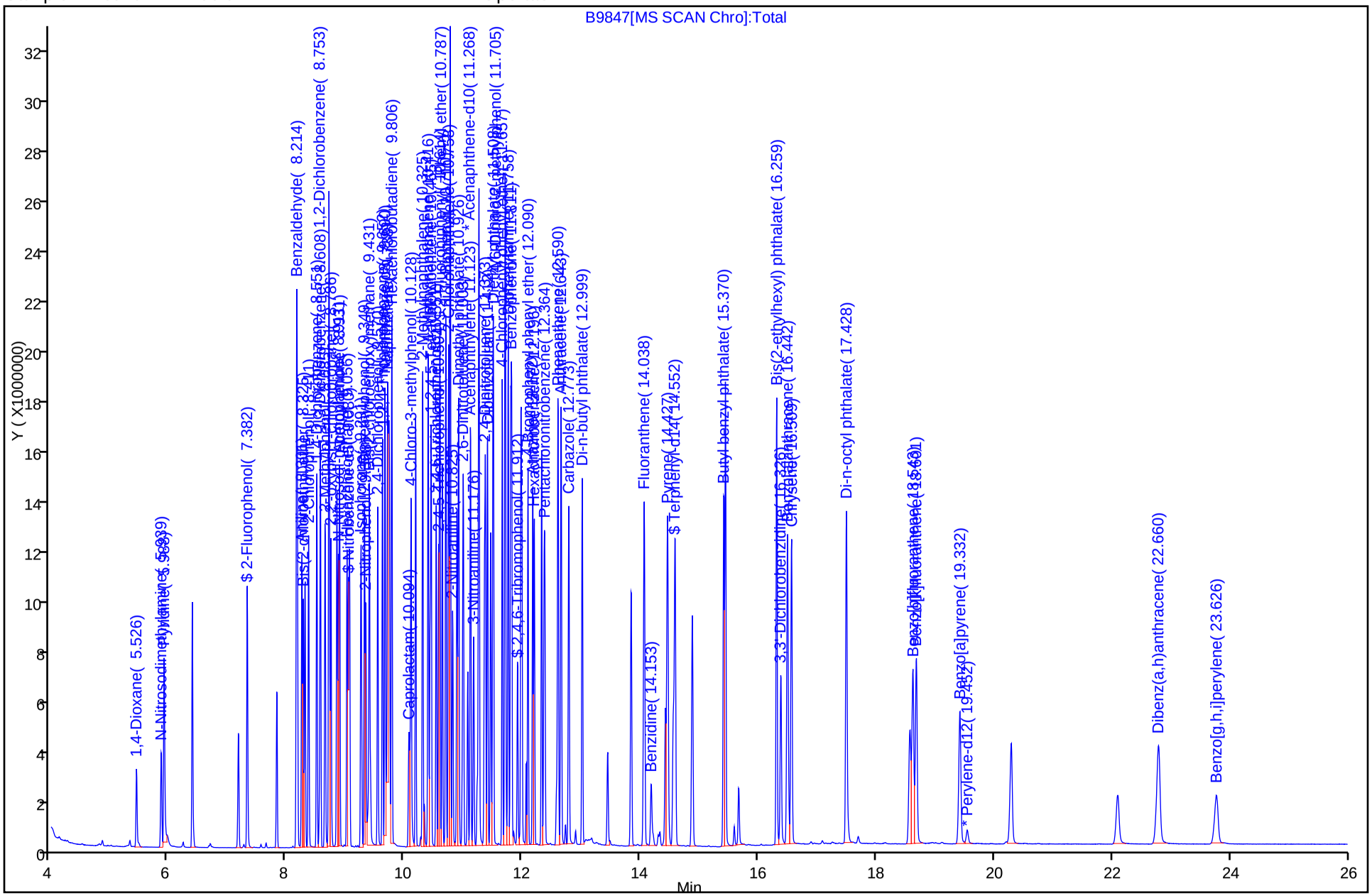
Inj Date: 27-Aug-2009 13:43:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48241 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: STD20

Sample Amount: 2.00 uL Operator: MZ



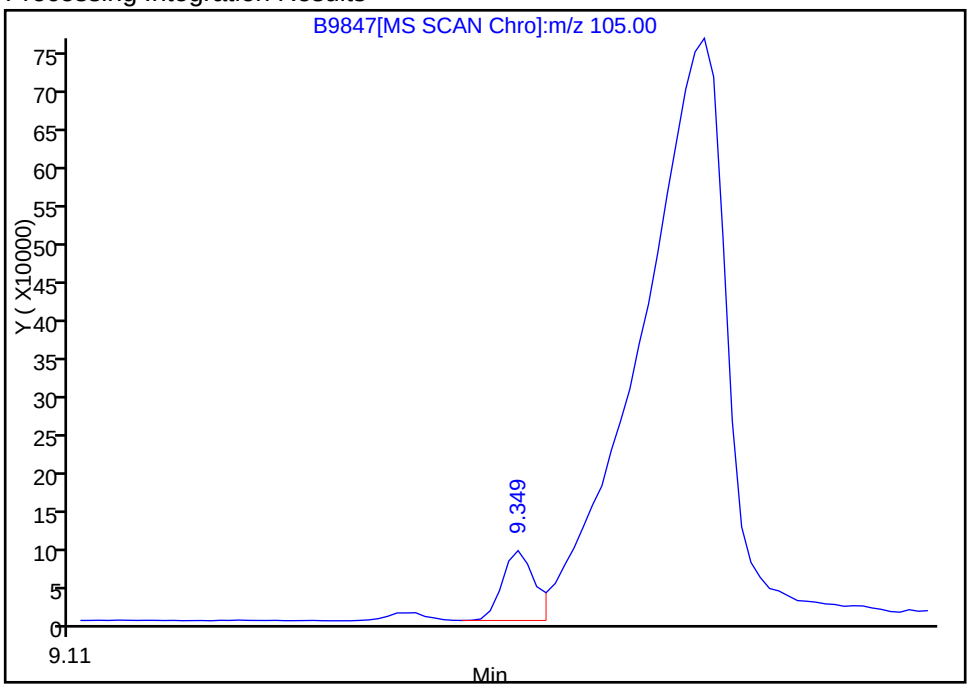
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Inj Date:	27-Aug-2009 13:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	STD20		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 9.45

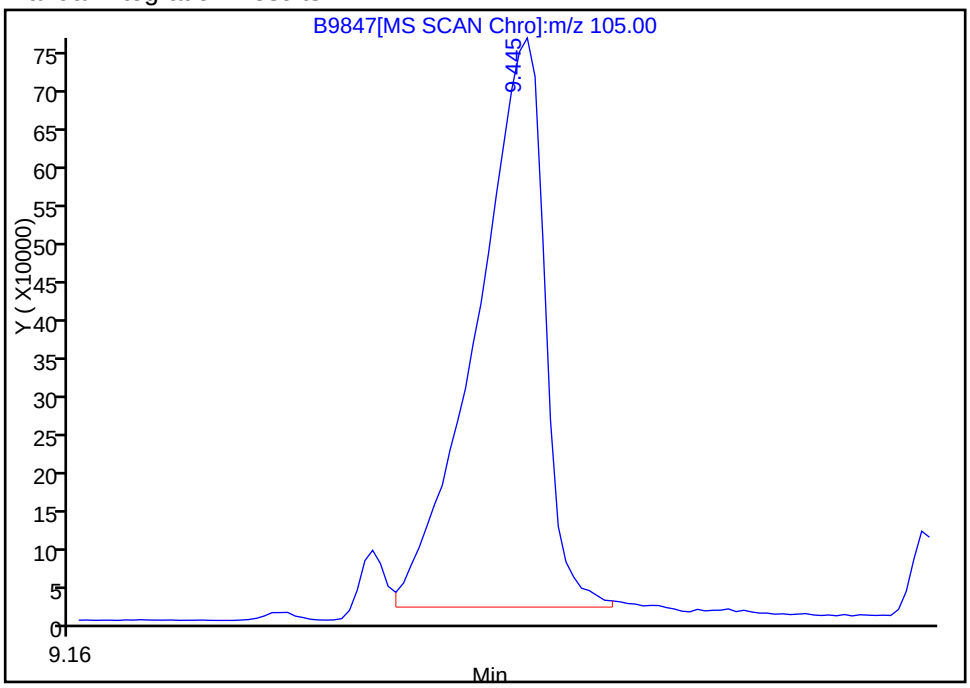
Processing Integration Results

RT: 9.35
Response: 108795
Amount: 3.928617



Manual Integration Results

RT: 9.45
Response: 2168604
Amount: 14.391216



Reviewer: sullivanp, 27-Aug-2009 14:39:47
Audit Action: Manually Integrated
Audit Reason: Wrong peak

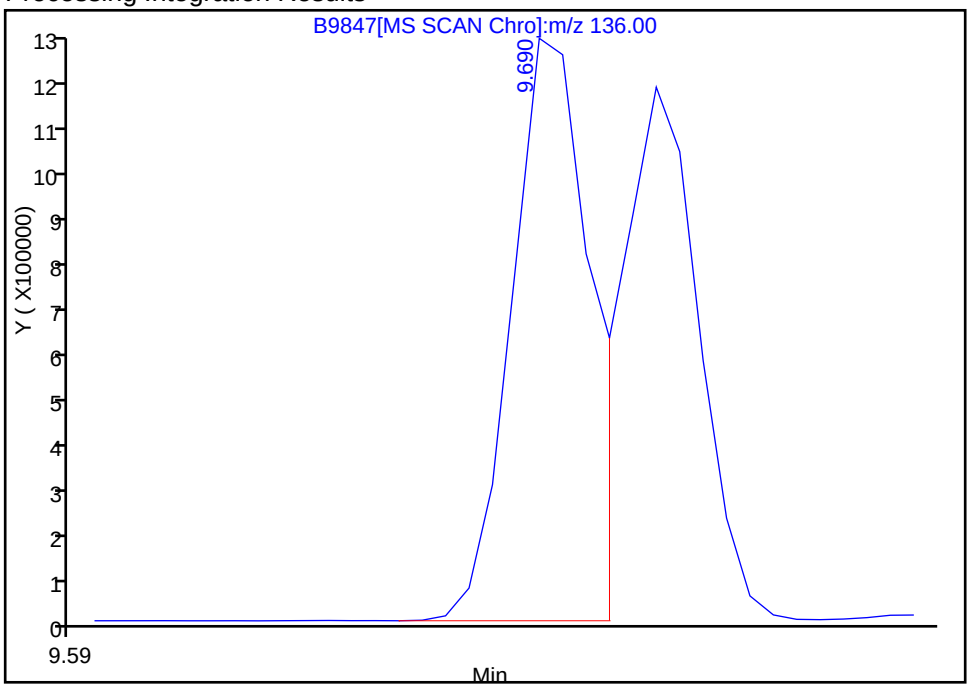
Chrom Revision: 1.0.2009.729
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Inj Date:	27-Aug-2009 13:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	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: 9.71

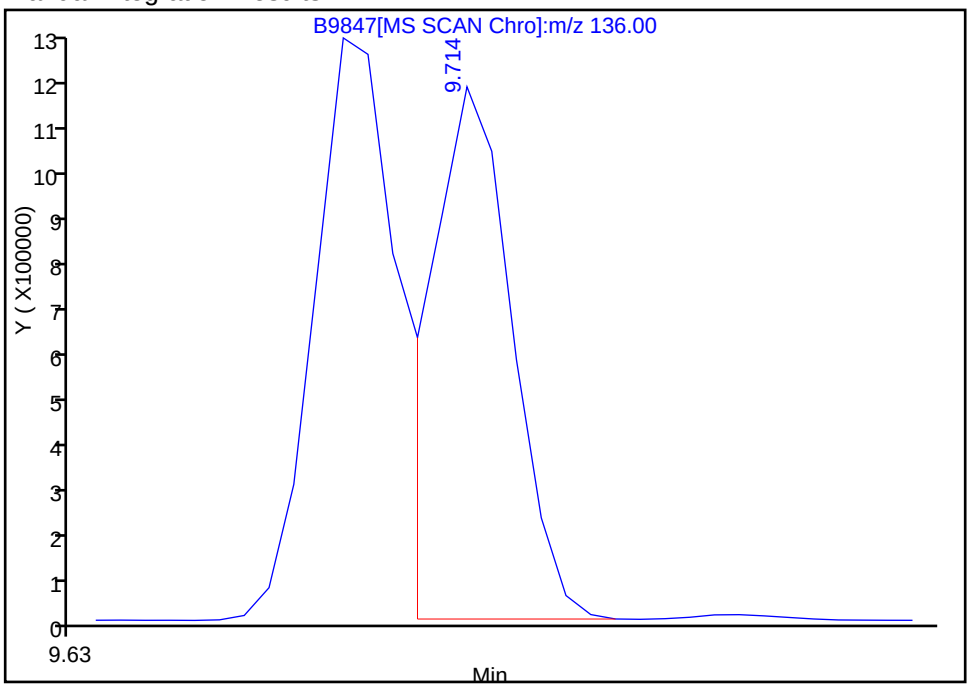
Processing Integration Results

RT: 9.69
Response: 1464976
Amount: 2.000000



Manual Integration Results

RT: 9.71
Response: 1304273
Amount: 2.000000



Reviewer: sullivanp, 27-Aug-2009 14:39:47
Audit Action: Manually Integrated
Audit Reason: Wrong peak

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2 Analy Batch No.: 48761

SDG No.: OCRI-02A

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

Calibration Start Date: 09/09/2009 17:26 Calibration End Date: 09/09/2009 21:58 Calibration ID: 4274

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-48761/3	B10142.D
Level 2	STD025 360-48761/4	B10143.D
Level 3	STD05 360-48761/5	B10144.D
Level 4	STD1 360-48761/6	B10145.D
Level 5	STD25 360-48761/7	B10146.D
Level 6	STD5 360-48761/2	B10141.D
Level 7	STD8 360-48761/8	B10147.D
Level 8	STD10 360-48761/9	B10148.D
Level 9	STD20 360-48761/10	B10149.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	0.4673 0.1896	0.3206 0.1712	0.2624 0.1628	0.2390 +++++	0.2086	Lin1	0.0368	0.1707							0.9930		0.9900
Pyridine	0.6176 0.4794	0.5831 0.4474	0.6011 0.4297	0.5453 +++++	0.5096	Ave		0.5267				14.0		15.0			
N-Nitrosodimethylamine	0.3562 0.3278	0.4236 0.2969	0.4054 0.2848	0.3818 +++++	0.3416	Ave		0.3522				14.0		15.0			
Benzoic acid	+++++ 0.0491	+++++ 0.1011	0.0103 0.1173	0.0139 0.1359	0.0277	Qua	-0.116	0.0926	0.0025						0.9910		0.9900
Benzaldehyde	0.3221 0.2480	0.3159 0.2287	0.3024 0.2204	0.2983 +++++	0.2825	Ave		0.2773				14.0		15.0			
Phenol	0.6698 0.6493	0.7650 0.5910	0.7667 0.5642	0.7361 +++++	0.7008	Ave		0.6804				11.0		15.0			
Aniline	0.7542 0.7838	0.7845 0.7110	0.8481 0.6721	0.8372 +++++	0.8178	Ave		0.7761				7.9		15.0			
Bis(2-chloroethyl)ether	0.6535 0.5417	0.6398 0.4683	0.6375 0.4448	0.6537 +++++	0.5860	Ave		0.5782				15.0		15.0			
2-Chlorophenol	0.6132 0.5960	0.6871 0.5255	0.6732 0.4939	0.6796 +++++	0.6337	Ave		0.6128				12.0		15.0			
1,4-Dichlorobenzene	0.8290 0.6869	0.8164 0.5987	0.8140 0.5716	0.8059 +++++	0.7307	Ave		0.7317				14.0		15.0			
1,3-Dichlorobenzene	0.8705 0.7103	0.8873 0.6179	0.8764 0.5931	0.8246 +++++	0.7603	Ave		0.7676				15.0		15.0			
Benzyl alcohol	0.3821 0.4605	0.4344 0.4189	0.4501 0.3919	0.4822 0.2899	0.4777	Ave		0.4208				14.0		15.0			
1,2-Dichlorobenzene	0.8257 0.6512	0.8275 0.5720	0.7927 0.5423	0.7653 +++++	0.7004	Qua	0.0282	0.7401	-0.020						1.0000		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.: 360-24194-2 Analy Batch No.: 48761

SDG No.: OCRI-02A

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

Calibration Start Date: 09/09/2009 17:26 Calibration End Date: 09/09/2009 21:58 Calibration ID: 4274

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	0.5143 0.5090	0.5894 0.4599	0.5743 0.4446	0.5664 +++++	0.5543	Ave		0.5265				10.0		15.0			
2,2'-oxybis[1-chloropropane]	1.0911 0.9284	1.0786 0.8153	1.1300 0.7472	1.1034 +++++	1.0378	Ave		0.9915				15.0		15.0			
3 & 4 Methylphenol	0.5217 0.5299	0.5423 0.4867	0.5916 0.4564	0.5967 +++++	0.5626	Ave		0.5360				9.1		15.0			
Acetophenone	0.8164 0.7686	0.9015 0.6799	0.9045 0.6568	0.8841 +++++	0.8334	Ave		0.8057				12.0		15.0			
N-Nitrosodi-n-propylamine	0.3965 0.3803	0.4404 0.3575	0.4539 0.3420	0.4272 +++++	0.4073	Ave		0.4006			0.0500	9.9		15.0			
2,4-Dinitrophenol	+++++ 0.0471	+++++ 0.1179	0.0040 0.1299	0.0121 0.1312	0.0293	Qua	-0.248	0.1416	0.0002		0.0500				0.9830	*	0.9900
Hexachloroethane	0.2607 0.2443	0.2997 0.2224	0.2789 0.2123	0.2784 +++++	0.2639	Ave		0.2576				12.0		15.0			
Nitrobenzene	0.2623 0.2938	0.2818 0.2898	0.2969 0.2726	0.2906 0.2507	0.2803	Ave		0.2799				5.5		15.0			
Isophorone	0.3903 0.4876	0.4277 0.4921	0.4842 0.4567	0.4918 0.3995	0.4784	Ave		0.4565				8.9		15.0			
2,4-Dimethylphenol	0.2075 0.2456	0.2277 0.2470	0.2397 0.2354	0.2374 0.2124	0.2307	Ave		0.2315				5.9		15.0			
2-Nitrophenol	0.0972 0.1528	0.1142 0.1632	0.1311 0.1606	0.1368 0.1448	0.1439	Lin2	-0.006	0.1502							0.9950		0.9900
Bis(2-chloroethoxy)methane	0.2854 0.2970	0.2981 0.2955	0.3106 0.2735	0.3098 0.2551	0.2920	Ave		0.2908				6.0		15.0			
2,4-Dichlorophenol	0.1791 0.2297	0.1925 0.2314	0.2067 0.2219	0.2080 0.2077	0.2133	Ave		0.2100				8.0		15.0			
1,2,4-Trichlorobenzene	0.2516 0.2642	0.2753 0.2618	0.2745 0.2484	0.2809 0.2250	0.2594	Ave		0.2601				6.6		15.0			
Alpha-Terpineol	0.1871 0.2301	0.1873 0.2355	0.2213 0.2201	0.2207 0.2019	0.2131	Ave		0.2130				8.2		15.0			
Naphthalene	0.8709 0.8169	0.8833 0.7645	0.8817 0.7001	0.8571 0.5218	0.8289	Ave		0.7917				15.0		15.0			
4-Chloroaniline	0.2570 0.3336	0.2908 0.3409	0.3182 0.3291	0.3277 0.2859	0.3220	Ave		0.3117				8.9		15.0			
Hexachlorobutadiene	0.1360 0.1301	0.1282 0.1300	0.1414 0.1226	0.1356 0.1154	0.1288	Ave		0.1298				5.9		15.0			
Caprolactam	0.0743 0.1138	0.0789 0.1238	0.0920 0.1192	0.1006 0.1099	0.1096	Lin2	-0.005	0.1114							0.9920		0.9900
4-Chloro-3-methylphenol	0.1794 0.2232	0.1935 0.2328	0.2120 0.2204	0.2090 0.2045	0.2134	Ave		0.2098				7.6		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.: 360-24194-2 Analy Batch No.: 48761

SDG No.: OCRI-02A

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

Calibration Start Date: 09/09/2009 17:26 Calibration End Date: 09/09/2009 21:58 Calibration ID: 4274

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-Methylnaphthalene	0.5386 0.5439	0.5303 0.5217	0.5616 0.4966	0.5535 0.4113	0.5287	Ave		0.5207				8.7		15.0			
2,3,4,6-Tetrachlorophenol	+++++ 0.2185	0.0479 0.2549	0.1236 0.2607	0.1501 0.2690	0.1888	Lin1	-0.075	0.2627							0.9950		0.9900
1-Methylnaphthalene	0.5235 0.5484	0.5670 0.5406	0.5779 0.5034	0.5591 0.4111	0.5307	Ave		0.5291				9.4		15.0			
1,2,4,5-Tetrachlorobenzene	0.2190 0.2259	0.2160 0.2290	0.2429 0.2107	0.2283 0.1899	0.2216	Ave		0.2204				6.7		15.0			
Hexachlorocyclopentadiene	0.0863 0.1770	0.0941 0.2142	0.1266 0.2319	0.1257 0.2133	0.1407	Lin	-0.072	0.2198			0.0500				0.9950		0.9900
4,6-Dinitro-2-methylphenol	+++++ 0.0596	0.0112 0.1012	0.0292 0.1151	0.0296 0.1152	0.0495	Qua	-0.077	0.1015	0.0009						0.9900		0.9900
2,4,6-Trichlorophenol	0.1951 0.3313	0.2283 0.3533	0.2604 0.3541	0.2911 0.3534	0.3087	Lin2	-0.016	0.3286							0.9910		0.9900
2,4,5-Trichlorophenol	0.2313 0.3359	0.2522 0.3743	0.2848 0.3727	0.2985 0.3792	0.3275	Lin2	-0.014	0.3448							0.9900		0.9900
1,1'-Biphenyl	1.4885 1.4940	1.4882 1.4588	1.5278 1.4003	1.4669 1.1472	1.4443	Ave		1.4351				7.9		15.0			
2-Chloronaphthalene	1.2505 1.3322	1.3030 1.3096	1.3151 1.2892	1.2992 1.0984	1.3100	Ave		1.2786				5.6		15.0			
Phenyl ether	0.3711 0.3591	0.3757 0.3592	0.3705 0.3419	0.3632 0.2953	0.3493	Ave		0.3539				6.9		15.0			
2-Nitroaniline	0.2169 0.3363	0.2320 0.3437	0.2687 0.3438	0.2864 0.3438	0.3069	Lin2	-0.013	0.3234							0.9920		0.9900
Dimethyl phthalate	1.1860 1.2937	1.2317 1.2459	1.2474 1.2191	1.2574 1.0904	1.1745	Ave		1.2162				4.9		15.0			
2,6-Dinitrotoluene	0.2084 0.3041	0.2431 0.3207	0.2676 0.3201	0.2787 0.3120	0.2930	Ave		0.2831				13.0		15.0			
Acenaphthylene	1.4036 1.7515	1.6289 1.7000	1.6414 1.6212	1.6610 1.3196	1.6878	Ave		1.6017				9.0		15.0			
Pentachlorophenol	+++++ 0.0472	0.0020 0.0828	0.0021 0.0921	0.0016 0.1016	0.0211	Lin1	-0.259	0.1142							0.9930		0.9900
3-Nitroaniline	0.2050 0.3010	0.2464 0.3227	0.2851 0.3330	0.2823 0.3266	0.2914	Ave		0.2882				14.0		15.0			
Acenaphthene	1.1187 1.1642	1.1831 1.1693	1.1619 1.1347	1.1031 0.9899	1.0956	Ave		1.1245				5.3		15.0			
4-Nitrophenol	0.0716 0.1299	0.0618 0.1571	0.0872 0.1653	0.0862 0.1640	0.1107	Lin	-0.070	0.1669			0.0500				0.9970		0.9900
Dibenzofuran	1.5166 1.5714	1.5585 1.5416	1.5342 1.4694	1.4982 1.2137	1.4514	Ave		1.4839				7.3		15.0			

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

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GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24194-2 Analy Batch No.: 48761

SDG No.: OCRI-02A

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

Calibration Start Date: 09/09/2009 17:26 Calibration End Date: 09/09/2009 21:58 Calibration ID: 4274

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								
2,4-Dinitrotoluene	0.1677 0.3835	0.2498 0.4256	0.3168 0.4045	0.3246 0.3925	0.3570	Lin2	-0.024	0.3829							0.9930		0.9900
Diethyl phthalate	1.3678 1.2888	1.3174 1.2778	1.2644 1.2517	1.2420 1.0670	1.2388	Ave		1.2573				6.5		15.0			
4-Chlorophenyl phenyl ether	0.5914 0.5814	0.5923 0.5985	0.5687 0.5956	0.5541 0.5579	0.5656	Ave		0.5784				3.0		15.0			
Fluorene	1.1875 1.2795	1.2325 1.3103	1.2282 1.2745	1.1930 1.0601	1.2492	Ave		1.2239				6.0		15.0			
4-Nitroaniline	0.1730 0.2893	0.2085 0.3184	0.2681 0.3154	0.2518 0.3012	0.2708	Lin2	-0.013	0.2930							0.9930		0.9900
Diphenylamine	0.6184 0.6660	0.6535 0.6523	0.6427 0.6433	0.6662 0.5966	0.6811	Ave		0.6467				4.0		15.0			
N-Nitrosodiphenylamine	0.6184 0.6660	0.6535 0.6523	0.6427 0.6433	0.6662 0.5966	0.6811	Ave		0.6467				4.0		15.0			
1,2-Diphenylhydrazine	0.5377 0.7593	0.6964 0.7305	0.7269 0.7078	0.7628 0.6493	0.7661	Ave		0.7041				10.0		15.0			
Azobenzene	0.5377 0.7593	0.6964 0.7305	0.7269 0.7078	0.7628 0.6493	0.7661	Ave		0.7041				10.0		15.0			
Benzophenone	0.5392 0.6051	0.6031 0.6102	0.6010 0.5796	0.6231 0.5585	0.6001	Ave		0.5911				4.6		15.0			
4-Bromophenyl phenyl ether	0.1917 0.1833	0.1774 0.1842	0.1765 0.1897	0.1810 0.1910	0.1798	Ave		0.1838				3.1		15.0			
Atrazine	0.1396 0.1928	0.1716 0.1850	0.1660 0.1941	0.1862 0.1938	0.1924	Ave		0.1802				10.0		15.0			
Hexachlorobenzene	0.1620 0.1695	0.1770 0.1697	0.1677 0.1771	0.1697 0.1756	0.1723	Ave		0.1712				2.9		15.0			
Pentachloronitrobenzene	0.0440 0.0727	0.0572 0.0725	0.0579 0.0764	0.0639 0.0764	0.0689	Lin2	-0.003	0.0716							0.9950		0.9900
Phenanthrene	1.0601 1.0260	1.0950 0.9952	1.0666 0.9745	1.0434 0.8119	1.0492	Ave		1.0135				8.3		15.0			
Anthracene	0.8651 1.0269	0.9734 0.9975	0.9219 0.9627	0.9699 0.7962	0.9868	Ave		0.9445				7.7		15.0			
Carbazole	0.8470 0.8815	0.9404 0.8654	0.9624 0.8476	0.9315 0.7236	0.9365	Ave		0.8818				8.3		15.0			
Di-n-butyl phthalate	1.5684 1.1697	1.3104 1.0912	1.2280 1.0308	1.1943 +++++	1.2045	Ave		1.2247				13.0		15.0			
Pyrene	1.1500 1.3176	1.2154 1.1458	1.1802 1.1492	1.2670 1.1105	1.2474	Ave		1.1981				5.7		15.0			
Benzidine	0.1130 0.6819	0.2476 0.8785	0.3214 0.9399	0.4866 0.9018	0.6053	Lin	-0.409	0.9248							0.9960		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.: 360-24194-2 Analy Batch No.: 48761

SDG No.: OCRI-02A

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

Calibration Start Date: 09/09/2009 17:26 Calibration End Date: 09/09/2009 21:58 Calibration ID: 4274

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	0.9202 0.9922	0.9729 1.0202	1.0120 1.0303	0.9678 0.8999	0.9852	Ave		0.9779				4.5		15.0			
Butyl benzyl phthalate	0.4400 0.6381	0.4646 0.6081	0.5217 0.6264	0.5710 0.6267	0.5994	Ave		0.5662				13.0		15.0			
3,3'-Dichlorobenzidine	0.3323 0.7228	0.4639 0.7424	0.5762 0.7899	0.6207 0.7832	0.6605	Lin2	-0.044	0.7189							0.9920		0.9900
Bis(2-ethylhexyl) phthalate	0.6436 0.7572	0.5475 0.8030	0.5804 0.8329	0.6331 0.7814	0.7226	Ave		0.7002				15.0		15.0			
Benzo[a]anthracene	0.7283 0.9398	0.8327 0.9385	0.8809 0.9642	0.8771 0.9569	0.8807	Ave		0.8888				8.4		15.0			
Chrysene	0.9246 0.8895	0.8562 0.8980	0.8202 0.9077	0.8686 0.8793	0.8104	Ave		0.8727				4.4		15.0			
Di-n-octyl phthalate	0.6641 1.6743	0.7501 1.6106	0.9498 1.6939	1.1253 1.7155	1.4357	Lin1	-0.198	1.6838							0.9970		0.9900
Benzo[b]fluoranthene	1.0815 1.2604	1.0642 1.2839	1.1143 1.2411	1.1715 1.2799	1.1827	Ave		1.1866				7.2		15.0			
Benzo[k]fluoranthene	0.9449 1.2365	1.0099 1.1037	1.0933 1.2343	1.1928 1.1820	1.1187	Ave		1.1240				8.9		15.0			
Benzo[a]pyrene	0.6305 0.9484	0.7404 0.9691	0.8138 1.0005	0.8569 1.0280	0.8665	Ave		0.8727				15.0		15.0			
Indeno[1,2,3-cd]pyrene	0.5922 0.6816	0.5527 0.8506	0.6861 0.8038	0.5844 0.7672	0.6142	Lin1	-0.047	0.7746							0.9930		0.9900
Dibenz(a,h)anthracene	0.4569 0.5357	0.4891 0.6981	0.5805 0.6672	0.4835 0.6369	0.4908	Lin1	-0.039	0.6377							0.9910		0.9900
Benzo[g,h,i]perylene	0.5840 0.5405	0.5242 0.6697	0.5914 0.6422	0.5302 0.5831	0.5170	Ave		0.5758				9.3		15.0			
2-Fluorophenol	0.5006 0.4943	0.5391 0.4376	0.6029 0.4367	0.5498 +++++	0.4867	Ave		0.5060				11.0		15.0			
Phenol-d5	0.7381 0.6467	0.7308 0.5792	0.7574 0.5458	0.7167 +++++	0.6933	Ave		0.6760				12.0		15.0			
Nitrobenzene-d5	0.2621 0.2976	0.2674 0.2956	0.2958 0.2809	0.2892 0.2618	0.2830	Ave		0.2815				5.2		15.0			
2-Fluorobiphenyl	1.3603 1.3569	1.3477 1.2778	1.3316 1.2984	1.3282 1.1036	1.3098	Ave		1.3016				6.1		15.0			
2,4,6-Tribromophenol	0.0050 0.0563	0.0158 0.0692	0.0293 0.0725	0.0372 0.0795	0.0508	Lin	-0.049	0.0798							0.9940		0.9900
Terphenyl-d14	0.6919 0.8258	0.7434 0.7303	0.7188 0.7508	0.8098 0.7705	0.7706	Ave		0.7569				5.6		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2 Analy Batch No.: 48761

SDG No.: OCRI-02A

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

Calibration Start Date: 09/09/2009 17:26 Calibration End Date: 09/09/2009 21:58 Calibration ID: 4274

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-48761/3	B10142.D
Level 2	STD025 360-48761/4	B10143.D
Level 3	STD05 360-48761/5	B10144.D
Level 4	STD1 360-48761/6	B10145.D
Level 5	STD25 360-48761/7	B10146.D
Level 6	STD5 360-48761/2	B10141.D
Level 7	STD8 360-48761/8	B10147.D
Level 8	STD10 360-48761/9	B10148.D
Level 9	STD20 360-48761/10	B10149.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Lin1	11636 311250	22710 596065	40971 782446	66138 +++++	131020	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Pyridine	DCB	Ave	15378 787222	41304 1558220	93866 2065524	150890 +++++	320075	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
N-Nitrosodimethylamine	DCB	Ave	8869 538246	30002 1033854	63302 1369199	105646 +++++	214540	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Benzoic acid	NPT	Qua	+++++ 162095	+++++ 640359	3755 1027241	8674 2141855	38467	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Benzaldehyde	DCB	Ave	8020 407221	22373 796600	47215 1059350	82547 +++++	177405	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Phenol	DCB	Ave	16679 1066131	54184 2058341	119721 2712330	203681 +++++	440131	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Aniline	DCB	Ave	18779 1287061	55571 2476251	132434 3230983	231655 +++++	513623	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Bis(2-chloroethyl)ether	DCB	Ave	16273 889418	45317 1631044	99542 2138556	180888 +++++	368030	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Chlorophenol	DCB	Ave	15268 978725	48666 1830150	105112 2374197	188063 +++++	398003	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
1,4-Dichlorobenzene	DCB	Ave	20642 1127941	57825 2085123	127100 2748173	223010 +++++	458939	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
1,3-Dichlorobenzene	DCB	Ave	21675 1166300	62846 2152059	136845 2851520	228173 +++++	477532	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Benzyl alcohol	DCB	Ave	9514 756093	30767 1458843	70275 1883809	133431 3272402	299993	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Dichlorobenzene	DCB	Qua	20559 1069217	58614 1992197	123776 2606887	211773 +++++	439883	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Methylphenol	DCB	Ave	12806 835759	41746 1601696	89676 2137270	156737 +++++	348127	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24194-2 Analy Batch No.: 48761

SDG No.: OCRI-02A

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

Calibration Start Date: 09/09/2009 17:26 Calibration End Date: 09/09/2009 21:58 Calibration ID: 4274

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	27167 1524407	76396 2839410	176447 3592349	305324 +++++	651762	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
3 & 4 Methylphenol	DCB	Ave	12989 870106	38413 1695192	92376 2194038	165128 +++++	353339	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Acetophenone	DCB	Ave	20328 1262020	63854 2367921	141240 3157707	244649 +++++	523387	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	9873 624411	31192 1244972	70877 1644200	118223 +++++	255812	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,4-Dinitrophenol	ANT	Qua	+++++ 69141	+++++ 331490	701 482247	3501 812469	18305	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	6491 401183	21226 774639	43548 1020728	77047 +++++	165752	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Nitrobenzene	NPT	Ave	15889 970080	47716 1834818	108080 2387322	181949 3951511	389514	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Isophorone	NPT	Ave	23645 1610085	72409 3116168	176281 3998950	307899 6297360	664791	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Ave	12572 811059	38545 1563920	87275 2061575	148646 3347607	320575	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitrophenol	NPT	Lin2	5888 504503	19332 1033437	47718 1406490	85676 2282980	200013	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	17292 980778	50476 1871308	113062 2394891	193959 4021307	405730	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dichlorophenol	NPT	Ave	10849 758441	32585 1465137	75232 1943236	130246 3274670	296446	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Ave	15243 872309	46620 1657483	99938 2175435	175851 3546603	360446	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Ave	11336 759613	31709 1491104	80568 1927674	138169 3181838	296116	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Ave	52764 2697110	149562 4840565	320957 6130097	536604 8225679	1151753	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloroaniline	NPT	Ave	15569 1101374	49238 2158538	115845 2881878	205147 4505975	447429	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobutadiene	NPT	Ave	8237 429563	21699 822846	51484 1073850	84908 1819147	179041	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Caprolactam	NPT	Lin2	4501 375661	13358 783709	33485 1043464	63009 1732060	152239	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloro-3-methylphenol	NPT	Ave	10867 737038	32762 1474085	77163 1929508	130831 3223720	296493	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Ave	32632 1795851	89787 3303303	204459 4348407	346528 6483602	734631	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	+++++ 320565	3780 716742	21599 967471	43408 1665870	117867	+++++ 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.: 360-24194-2 Analy Batch No.: 48761

SDG No.: OCRI-02A

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

Calibration Start Date: 09/09/2009 17:26 Calibration End Date: 09/09/2009 21:58 Calibration ID: 4274

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1-Methylnaphthalene	NPT	Ave	31713 1810643	96003 3423405	210370 4408286	350036 6479883	737444	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	13269 745864	36580 1449853	88442 1844624	142937 2992887	307946	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorocyclopentadiene	ANT	Lin	2437 259748	7424 602400	22123 860569	36352 1320925	87823	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	+++++ 143651	1450 494113	8551 716524	13543 1151649	49409	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Trichlorophenol	ANT	Lin2	5511 486113	18014 993455	45494 1314354	84205 2188728	192716	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Lin2	6533 492926	19897 1052625	49762 1383280	86322 2348259	204466	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	42041 2192238	117408 4102120	266908 5197271	424271 7104724	901677	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	35320 1954846	102798 3682820	229763 4784864	375767 6802167	817837	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	22480 1185792	63611 2274273	134864 2993778	227372 4654218	485420	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Lin2	6125 493484	18305 966552	46949 1275998	82827 2129372	191593	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	33498 1898316	97170 3503624	217920 4524586	363670 6752676	733222	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Ave	5887 446307	19180 901876	46749 1187845	80616 1932180	182942	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	39643 2570071	128507 4780663	286758 6016895	480414 8172002	1053695	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachlorophenol	PHN	Lin1	+++++ 113813	259 404018	626 573342	736 1015410	21112	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Ave	5791 441720	19441 907333	49802 1235738	81661 2022534	181911	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	31596 1708277	93334 3288058	202989 4211184	319062 6130660	683995	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin	2023 190649	4878 441738	15233 613447	24938 1015448	69127	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	42835 2305909	122957 4334994	268036 5453415	433335 7516048	906091	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin2	4736 562797	19706 1196905	55339 1501423	93875 2430979	222906	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	38633 1891225	103935 3593287	220889 4645725	359214 6607838	773368	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chlorophenyl phenyl ether	ANT	Ave	16703 853129	46726 1683009	99353 2210564	160274 3454874	353091	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.: 360-24194-2 Analy Batch No.: 48761

SDG No.: OCRI-02A

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

Calibration Start Date: 09/09/2009 17:26 Calibration End Date: 09/09/2009 21:58 Calibration ID: 4274

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Fluorene	ANT	Ave	33541 1877462	97236 3684706	214581 4730344	345038 6565401	779861	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitroaniline	ANT	Lin2	4887 424490	16452 895244	46844 1170466	72822 1865150	169071	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	29235 1604759	84572 3184405	188126 4006223	304963 5963530	680079	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	29235 1604759	84572 3184405	188126 4006223	304963 5963530	680079	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	25422 1829451	90127 3566542	212770 4407644	349172 6489874	764927	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	25422 1829451	90127 3566542	212770 4407644	349172 6489874	764927	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzophenone	PHN	Ave	25492 1458011	78042 2978993	175929 3609562	285225 5582434	599155	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	9061 441575	22957 899170	51656 1181239	82833 1909407	179566	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Ave	6601 464426	22208 903291	48579 1208971	85253 1937642	192053	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	7658 408397	22910 828659	49101 1103153	77684 1755033	172019	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin2	2082 175257	7397 354054	16959 475714	29250 764036	68743	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	50117 2472034	141703 4858846	312232 6068607	477622 8115764	1047523	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	40899 2474276	125973 4870081	269860 5995344	443955 7958544	985219	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	40041 2123877	121696 4225140	281730 5278322	426390 7232935	934986	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Ave	74146 2818293	169581 5327379	359480 6419398	546676 +++++	1202584	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Pyrene	CRY	Ave	40209 2268735	120894 4684675	275823 6010495	398110 8309000	926569	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Lin	5342 1643013	32047 4289135	94088 5853225	222724 9014017	604349	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	43504 2390594	125908 4980543	296243 6416373	443009 8995239	983635	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Ave	15384 1098671	46209 2486220	121928 3276146	179422 4688957	445218	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin2	11618 1244615	46142 3035466	134672 4131485	195033 5859467	490573	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Ave	22504 1303823	54457 3283206	135649 4356391	198943 5846085	536703	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.: 360-24194-2 Analy Batch No.: 48761

SDG No.: OCRI-02A

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

Calibration Start Date: 09/09/2009 17:26 Calibration End Date: 09/09/2009 21:58 Calibration ID: 4274

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	25465 1618313	82832 3837096	205884 5043085	275615 7159626	654145	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Chrysene	CRY	Ave	32328 1531664	85165 3671490	191689 4747717	272949 6578882	601934	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Lin1	15393 1705634	51665 4674559	150989 6040978	206376 7568957	631647	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Ave	25069 1283972	73306 3726382	177137 4425978	214847 5646953	520326	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Ave	21904 1259575	69567 3203196	173800 4401823	218760 5215130	492161	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Ave	14616 966091	51000 2812770	129376 3568051	157155 4535414	381206	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	13728 694353	38072 2468616	109075 2866627	107183 3384852	270199	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Lin1	10592 545673	33689 2026086	92288 2379383	88670 2810138	215908	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	13538 550639	36108 1943819	94023 2290227	97235 2572794	227432	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	12464 811673	38188 1524151	94144 2099571	152124 +++++	305678	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Phenol-d5	DCB	Ave	18378 1061960	51763 2017328	118262 2624034	198324 +++++	435456	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Nitrobenzene-d5	NPT	Ave	15882 982699	45271 1871714	107669 2459940	181065 4126357	393187	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorobiphenyl	ANT	Ave	38420 1991166	106325 3593334	232634 4818984	384164 6834767	817714	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin	235 135669	2051 337961	8569 451668	17029 794682	50747	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	24190 1421957	73945 2986103	167992 3927125	254444 5765044	572394	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\20090909-4.b\B10141.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	09-Sep-2009 17:26:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	STD5		
Misc. Info.:	360-0001120-002		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	2
Lims Batch ID:	48761	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\8270B.m		
Last Update:	10-Sep-2009 07:23:02	Calib Date:	09-Sep-2009 21:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10149.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	10-Sep-2009 06:49:56
Reviewed By:	sullivanp	Date:	10-Sep-2009 07:23:02

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.574	7.574	0.000	656815	2.00	
* 2 Naphthalene-d8	136	8.709	8.705	0.004	1320702	2.00	
* 3 Acenaphthene-d10	164	10.219	10.215	0.004	586958	2.00	
* 4 Phenanthrene-d10	188	11.460	11.461	-0.001	963771	2.00	
* 5 Chrysene-d12	240	14.763	14.760	0.003	688757	2.00	
* 6 Perylene-d12	264	17.187	17.183	0.004	407480	2.00	
$ 7 2-Fluorophenol	112	6.362	6.359	0.003	811673	4.88	
$ 8 Phenol-d5	99	7.257	7.253	0.004	1061960	4.78	
$ 9 Nitrobenzene-d5	82	8.094	8.090	0.004	982699	5.29	
$ 10 2-Fluorobiphenyl	172	9.613	9.614	-0.001	1991166	5.21	
$ 11 2,4,6-Tribromophenol	330	10.887	10.884	0.003	135669	4.15	
$ 12 Terphenyl-d14	244	12.941	12.942	-0.001	1421957	5.46	
14 1,4-Dioxane	88	3.852	3.829	0.023	311250	5.34	
16 Pyridine	79	4.588	4.579	0.009	787222	4.55	
15 N-Nitrosodimethylamine	42	4.636	4.623	0.013	538246	4.65	
17 Benzaldehyde	105	7.190	7.186	0.004	407221	4.47	
18 Phenol	94	7.266	7.263	0.003	1066131	4.77	
19 Aniline	93	7.310	7.311	-0.001	1287061	5.05	
20 Bis(2-chloroethyl)ether	93	7.348	7.344	0.004	889418	4.68	
21 2-Chlorophenol	128	7.416	7.412	0.004	978725	4.86	
22 1,4-Dichlorobenzene	146	7.545	7.542	0.003	1127941	4.69	
23 1,3-Dichlorobenzene	146	7.589	7.590	-0.001	1166300	4.63	
24 Benzyl alcohol	79	7.704	7.700	0.004	756093	5.47	
25 1,2-Dichlorobenzene	146	7.767	7.763	0.004	1069217	5.07	
26 2-Methylphenol	108	7.800	7.796	0.004	835759	4.83	
27 2,2'-oxybis[1-chloropropane]	45	7.829	7.830	-0.001	1524407	4.68	
28 3 & 4 Methylphenol	108	7.925	7.922	0.003	870106	4.94	
30 Acetophenone	105	7.949	7.946	0.003	1262020	4.77	
29 N-Nitrosodi-n-propylamine	70	7.954	7.950	0.004	624411	4.75	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	8.041	8.037	0.004	401183	4.74	
32 Nitrobenzene	77	8.108	8.109	-0.001	970080	5.25	
33 Isophorone	82	8.296	8.297	-0.001	1610085	5.34	
35 2,4-Dimethylphenol	107	8.382	8.383	-0.001	811059	5.31	
34 2-Nitrophenol	139	8.387	8.388	-0.001	504503	5.13	
36 Benzoic acid	105	8.440	8.440	0.000	162095	3.56	M
37 Bis(2-chloroethoxy)methane	93	8.464	8.465	-0.001	980778	5.11	
38 2,4-Dichlorophenol	162	8.579	8.580	-0.001	758441	5.47	
39 1,2,4-Trichlorobenzene	180	8.666	8.662	0.004	872309	5.08	
40 Alpha-Terpineol	59	8.685	8.686	-0.001	759613	5.40	
41 Naphthalene	128	8.728	8.725	0.003	2697110	5.16	
42 4-Chloroaniline	127	8.772	8.768	0.004	1101374	5.35	
43 Hexachlorobutadiene	225	8.858	8.859	-0.001	429563	5.01	
44 Caprolactam	55	9.031	9.023	0.008	375661	5.15	
45 4-Chloro-3-methylphenol	107	9.147	9.148	-0.001	737038	5.32	
46 2-Methylnaphthalene	142	9.305	9.306	-0.001	1795851	5.22	
47 1-Methylnaphthalene	142	9.406	9.403	0.003	1810643	5.18	
49 1,2,4,5-Tetrachlorobenzene	216	9.483	9.484	-0.001	745864	5.13	
48 Hexachlorocyclopentadiene	237	9.493	9.494	-0.001	259748	4.36	
50 2,4,6-Trichlorophenol	196	9.560	9.557	0.004	486113	5.09	
51 2,4,5-Trichlorophenol	196	9.594	9.590	0.004	492926	4.91	
52 1,1'-Biphenyl	154	9.700	9.696	0.004	2192238	5.21	
53 2-Chloronaphthalene	162	9.729	9.725	0.004	1954846	5.21	
54 Phenyl ether	170	9.781	9.783	-0.002	1185792	5.07	
55 2-Nitroaniline	65	9.825	9.821	0.004	493484	5.24	
56 Dimethyl phthalate	163	9.964	9.960	0.004	1898316	5.32	
57 2,6-Dinitrotoluene	165	10.041	10.037	0.004	446307	5.37	
58 Acenaphthylene	152	10.094	10.090	0.004	2570071	5.47	
59 3-Nitroaniline	138	10.171	10.167	0.004	441720	5.22	
61 Acenaphthene	153	10.243	10.244	-0.001	1708277	5.18	
60 2,4-Dinitrophenol	184	10.253	10.249	0.004	69141	3.41	
62 4-Nitrophenol	109	10.267	10.263	0.004	190649	4.31	
63 2,4-Dinitrotoluene	165	10.373	10.374	-0.001	562797	5.07	
64 Dibenzofuran	168	10.373	10.369	0.004	2305909	5.29	
65 2,3,4,6-Tetrachlorophenol	232	10.503	10.499	0.004	320565	4.44	
66 Diethyl phthalate	149	10.541	10.538	0.003	1891225	5.13	
67 4-Chlorophenyl phenyl ether	204	10.633	10.629	0.004	853129	5.03	
69 Fluorene	166	10.666	10.663	0.003	1877462	5.23	
68 4-Nitroaniline	138	10.690	10.687	0.003	424490	4.98	
70 4,6-Dinitro-2-methylphenol	198	10.719	10.715	0.004	143651	3.58	
71 Diphenylamine	169	10.734	10.730	0.004	1604759	5.15	
72 N-Nitrosodiphenylamine	169	10.734	10.730	0.004	1604759	5.15	
74 Azobenzene	77	10.762	10.764	-0.002	1829451	5.39	
73 1,2-Diphenylhydrazine	77	10.762	10.764	-0.002	1829451	5.39	
13 Benzophenone	105	10.791	10.788	0.003	1458011	5.12	
75 4-Bromophenyl phenyl ether	248	11.046	11.042	0.004	441575	4.98	
77 Atrazine	200	11.166	11.163	0.003	464426	5.35	
76 Hexachlorobenzene	284	11.200	11.201	-0.001	408397	4.95	
78 Pentachlorophenol	266	11.340	11.416	-0.076	113813	4.33	
79 Pentachloronitrobenzene	237	11.402	11.398	0.004	175257	5.12	
80 Phenanthrene	178	11.484	11.480	0.004	2472034	5.06	
81 Anthracene	178	11.522	11.519	0.004	2474276	5.44	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.638	11.639	-0.001	2123877	5.00	
84 Di-n-butyl phthalate	149	11.883	11.884	-0.001	2818293	4.78	
85 Pyrene	202	12.566	12.567	-0.001	2268735	5.50	
86 Benzidine	184	12.662	12.658	0.004	1643013	4.13	
87 Fluoranthene	202	12.830	12.826	0.004	2390594	5.07	
89 Butyl benzyl phthalate	149	13.600	13.596	0.004	1098671	5.63	
91 3,3'-Dichlorobenzidine	252	14.648	14.644	0.004	1244615	5.09	
92 Bis(2-ethylhexyl) phthalate	149	14.662	14.663	-0.001	1303823	5.41	
93 Benzo[a]anthracene	228	14.725	14.721	0.004	1618313	5.29	
94 Chrysene	228	14.821	14.817	0.004	1531664	5.10	
95 Di-n-octyl phthalate	149	15.821	15.818	0.003	1705634	5.09	
97 Benzo[b]fluoranthene	252	16.552	16.544	0.008	1283972	5.31	
98 Benzo[k]fluoranthene	252	16.586	16.577	0.009	1259575	5.50	
99 Benzo[a]pyrene	252	17.091	17.091	0.000	966091	5.43	
100 Indeno[1,2,3-cd]pyrene	276	19.322	19.318	0.004	694353	4.46	
101 Dibenz(a,h)anthracene	278	19.332	19.323	0.009	545673	4.26	
102 Benzo[g,h,i]perylene	276	19.957	19.953	0.004	550639	4.69	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 10-Sep-2009 07:23:03 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-4.b\B10141.D

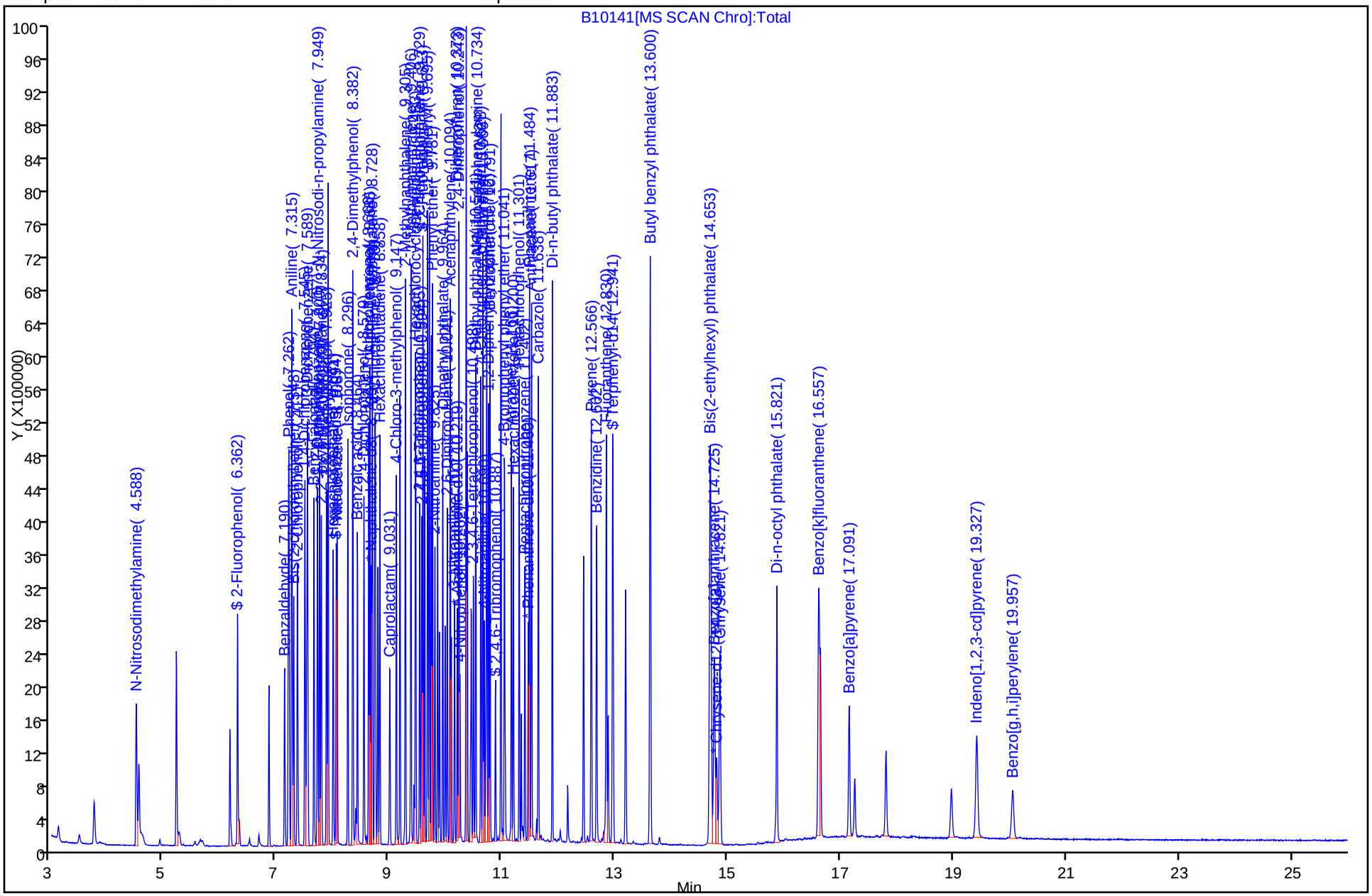
Inj Date: 09-Sep-2009 17:26:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48761 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: STD5

Sample Amount: 2.00 uL Operator: MZ



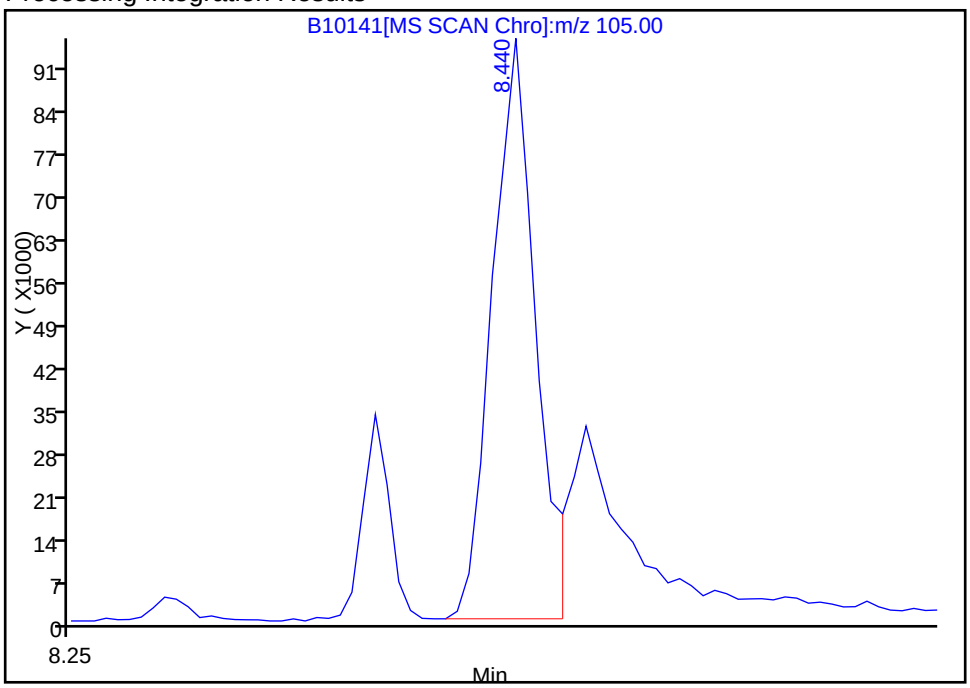
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10141.D		
Inj Date:	09-Sep-2009 17:26:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48761	Lims Sample ID:	2
Client ID:		Instrument:	Inst. B
Sample Info:	STD5		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.44

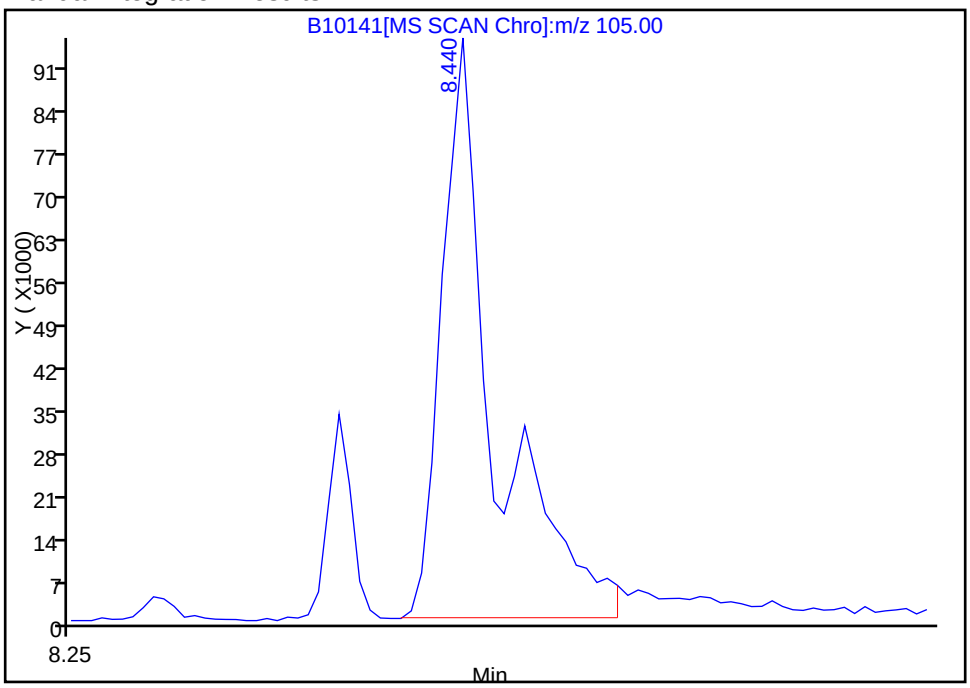
Processing Integration Results

RT: 8.44
Response: 117198
Amount: 3.046842



Manual Integration Results

RT: 8.44
Response: 162095
Amount: 3.563364



Reviewer: sullivanp, 10-Sep-2009 07:23:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10142.D		
Lims ID:	STD01	Client ID:	
Inject. Date:	09-Sep-2009 18:00:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD01		
Misc. Info.:	360-0001120-003		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	3
Lims Batch ID:	48761	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\8270B.m		
Last Update:	10-Sep-2009 06:52:17	Calib Date:	09-Sep-2009 18:00:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10142.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 10-Sep-2009 06:52:17

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.575	7.574	0.001	497994	2.00	
* 2 Naphthalene-d8	136	8.705	8.709	-0.004	1211691	2.00	
* 3 Acenaphthene-d10	164	10.215	10.219	-0.004	564880	2.00	
* 4 Phenanthrene-d10	188	11.461	11.460	0.001	945515	2.00	
* 5 Chrysene-d12	240	14.759	14.763	-0.004	699265	2.00	
* 6 Perylene-d12	264	17.183	17.187	-0.004	463606	2.00	
$ 7 2-Fluorophenol	112	6.363	6.362	0.001	12464	0.1006	
$ 8 Phenol-d5	99	7.253	7.257	-0.004	18378	0.1066	
$ 9 Nitrobenzene-d5	82	8.090	8.094	-0.004	15882	0.0937	
$ 10 2-Fluorobiphenyl	172	9.614	9.613	0.001	38420	0.1001	
$ 11 2,4,6-Tribromophenol	330	10.884	10.887	-0.003	235	0.1000	
$ 12 Terphenyl-d14	244	12.942	12.941	0.001	24190	0.0912	
14 1,4-Dioxane	88	3.853	3.852	0.001	11636	0.1000	
16 Pyridine	79	4.608	4.588	0.020	15378	0.1000	
15 N-Nitrosodimethylamine	42	4.642	4.636	0.006	8869	0.1042	
17 Benzaldehyde	105	7.186	7.190	-0.004	8020	0.1000	
18 Phenol	94	7.263	7.266	-0.004	16679	0.1016	
19 Aniline	93	7.311	7.310	0.001	18779	0.0981	
20 Bis(2-chloroethyl)ether	93	7.344	7.348	-0.004	16273	0.1094	
21 2-Chlorophenol	128	7.412	7.416	-0.004	15268	0.1014	
22 1,4-Dichlorobenzene	146	7.541	7.545	-0.004	20642	0.1094	
23 1,3-Dichlorobenzene	146	7.590	7.589	0.001	21675	0.1101	
24 Benzyl alcohol	79	7.700	7.704	-0.004	9514	0.0907	
25 1,2-Dichlorobenzene	146	7.763	7.767	-0.004	20559	0.1000	
26 2-Methylphenol	108	7.796	7.800	-0.004	12806	0.1005	
27 2,2'-oxybis[1-chloropropane]	45	7.830	7.829	0.001	27167	0.1081	
28 3 & 4 Methylphenol	108	7.921	7.925	-0.004	12989	0.0992	
30 Acetophenone	105	7.945	7.949	-0.004	20328	0.1030	
29 N-Nitrosodi-n-propylamine	70	7.950	7.954	-0.004	9873	0.1021	
31 Hexachloroethane	117	8.037	8.041	-0.004	6491	0.1032	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.109	8.108	0.001	15889	0.0943	
33 Isophorone	82	8.296	8.296	0.000	23645	0.1000	
35 2,4-Dimethylphenol	107	8.383	8.382	0.001	12572	0.0916	
34 2-Nitrophenol	139	8.388	8.387	0.001	5888	0.1000	
37 Bis(2-chloroethoxy)methane	93	8.465	8.464	0.001	17292	0.0980	
38 2,4-Dichlorophenol	162	8.580	8.579	0.001	10849	0.1000	
39 1,2,4-Trichlorobenzene	180	8.662	8.666	-0.004	15243	0.0976	
40 Alpha-Terpineol	59	8.681	8.685	-0.004	11336	0.0897	
41 Naphthalene	128	8.724	8.728	-0.004	52764	0.1032	
42 4-Chloroaniline	127	8.768	8.772	-0.004	15569	0.1000	
43 Hexachlorobutadiene	225	8.859	8.858	0.001	8237	0.1022	
44 Caprolactam	55	9.013	9.031	-0.018	4501	0.1000	
45 4-Chloro-3-methylphenol	107	9.143	9.147	-0.004	10867	0.0891	
46 2-Methylnaphthalene	142	9.306	9.305	0.001	32632	0.0995	
47 1-Methylnaphthalene	142	9.402	9.406	-0.004	31713	0.0977	
49 1,2,4,5-Tetrachlorobenzene	216	9.484	9.483	0.001	13269	0.0985	
48 Hexachlorocyclopentadiene	237	9.494	9.493	0.001	2437	0.1000	
50 2,4,6-Trichlorophenol	196	9.556	9.560	-0.004	5511	0.1000	
51 2,4,5-Trichlorophenol	196	9.590	9.594	-0.004	6533	0.1000	
52 1,1'-Biphenyl	154	9.696	9.700	-0.004	42041	0.0998	
53 2-Chloronaphthalene	162	9.725	9.729	-0.004	35320	0.0968	
54 Phenyl ether	170	9.782	9.781	0.001	22480	0.1016	
55 2-Nitroaniline	65	9.821	9.825	-0.004	6125	0.1000	
56 Dimethyl phthalate	163	9.960	9.964	-0.004	33498	0.0957	
57 2,6-Dinitrotoluene	165	10.042	10.041	0.001	5887	0.1000	
58 Acenaphthylene	152	10.090	10.094	-0.004	39643	0.1000	
59 3-Nitroaniline	138	10.167	10.171	-0.004	5791	0.1000	
61 Acenaphthene	153	10.244	10.243	0.001	31596	0.0980	
62 4-Nitrophenol	109	10.263	10.267	-0.004	2023	0.1000	
63 2,4-Dinitrotoluene	165	10.369	10.373	-0.004	4736	0.1000	
64 Dibenzofuran	168	10.369	10.373	-0.004	42835	0.0982	
66 Diethyl phthalate	149	10.537	10.541	-0.004	38633	0.1030	
67 4-Chlorophenyl phenyl ether	204	10.629	10.633	-0.004	16703	0.1009	
69 Fluorene	166	10.662	10.666	-0.004	33541	0.0963	
68 4-Nitroaniline	138	10.686	10.690	-0.004	4887	0.1000	
71 Diphenylamine	169	10.730	10.734	-0.004	29235	0.0963	
72 N-Nitrosodiphenylamine	169	10.730	10.734	-0.004	29235	0.0963	
74 Azobenzene	77	10.763	10.762	0.001	25422	0.1000	
73 1,2-Diphenylhydrazine	77	10.763	10.762	0.001	25422	0.1000	
13 Benzophenone	105	10.787	10.791	-0.004	25492	0.0942	
75 4-Bromophenyl phenyl ether	248	11.042	11.046	-0.004	9061	0.1022	
77 Atrazine	200	11.162	11.166	-0.004	6601	0.1000	
76 Hexachlorobenzene	284	11.201	11.200	0.001	7658	0.0977	
79 Pentachloronitrobenzene	237	11.403	11.402	0.001	2082	0.1000	
80 Phenanthrene	178	11.480	11.484	-0.004	50117	0.1016	
81 Anthracene	178	11.518	11.522	-0.004	40899	0.0914	
83 Carbazole	167	11.639	11.638	0.001	40041	0.0980	
84 Di-n-butyl phthalate	149	11.884	11.883	0.001	74146	0.1000	
85 Pyrene	202	12.567	12.566	0.001	40209	0.0932	
86 Benzidine	184	12.658	12.662	-0.004	5342	0.1000	
87 Fluoranthene	202	12.826	12.830	-0.004	43504	0.0962	
89 Butyl benzyl phthalate	149	13.601	13.600	0.000	15384	0.1000	

Report Date: 10-Sep-2009 06:52:18 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\INSTB.i\20090909-4.b\B10142.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
91 3,3'-Dichlorobenzidine	252	14.644	14.648	-0.004	11618	0.1000	
92 Bis(2-ethylhexyl) phthalate	149	14.663	14.662	0.001	22504	0.0919	
93 Benzo[a]anthracene	228	14.716	14.725	-0.009	25465	0.1000	
94 Chrysene	228	14.817	14.821	-0.004	32328	0.1019	
95 Di-n-octyl phthalate	149	15.817	15.821	-0.004	15393	0.1000	
97 Benzo[b]fluoranthene	252	16.548	16.552	-0.004	25069	0.0924	
98 Benzo[k]fluoranthene	252	16.577	16.586	-0.009	21904	0.1000	
99 Benzo[a]pyrene	252	17.087	17.087	0.000	14616	0.1000	M
100 Indeno[1,2,3-cd]pyrene	276	19.318	19.322	-0.004	13728	0.0930	
101 Dibenz(a,h)anthracene	278	19.333	19.332	0.001	10592	0.0921	
102 Benzo[g,h,i]perylene	276	19.953	19.957	-0.004	13538	0.1039	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 10-Sep-2009 06:52:18 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-4.b\B10142.D

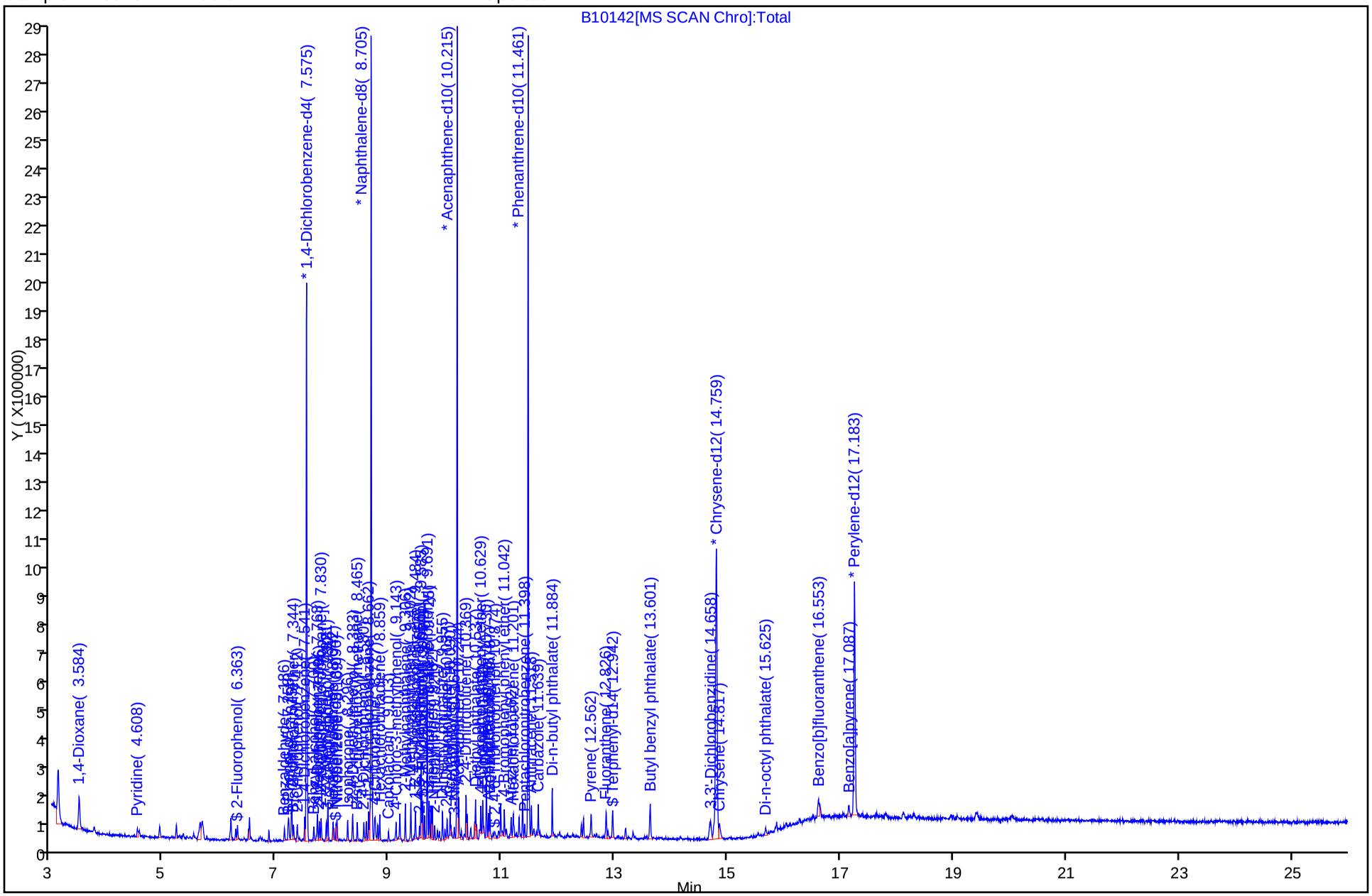
Inj Date: 09-Sep-2009 18:00:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48761 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: STD01

Sample Amount: 2.00 uL Operator: MZ



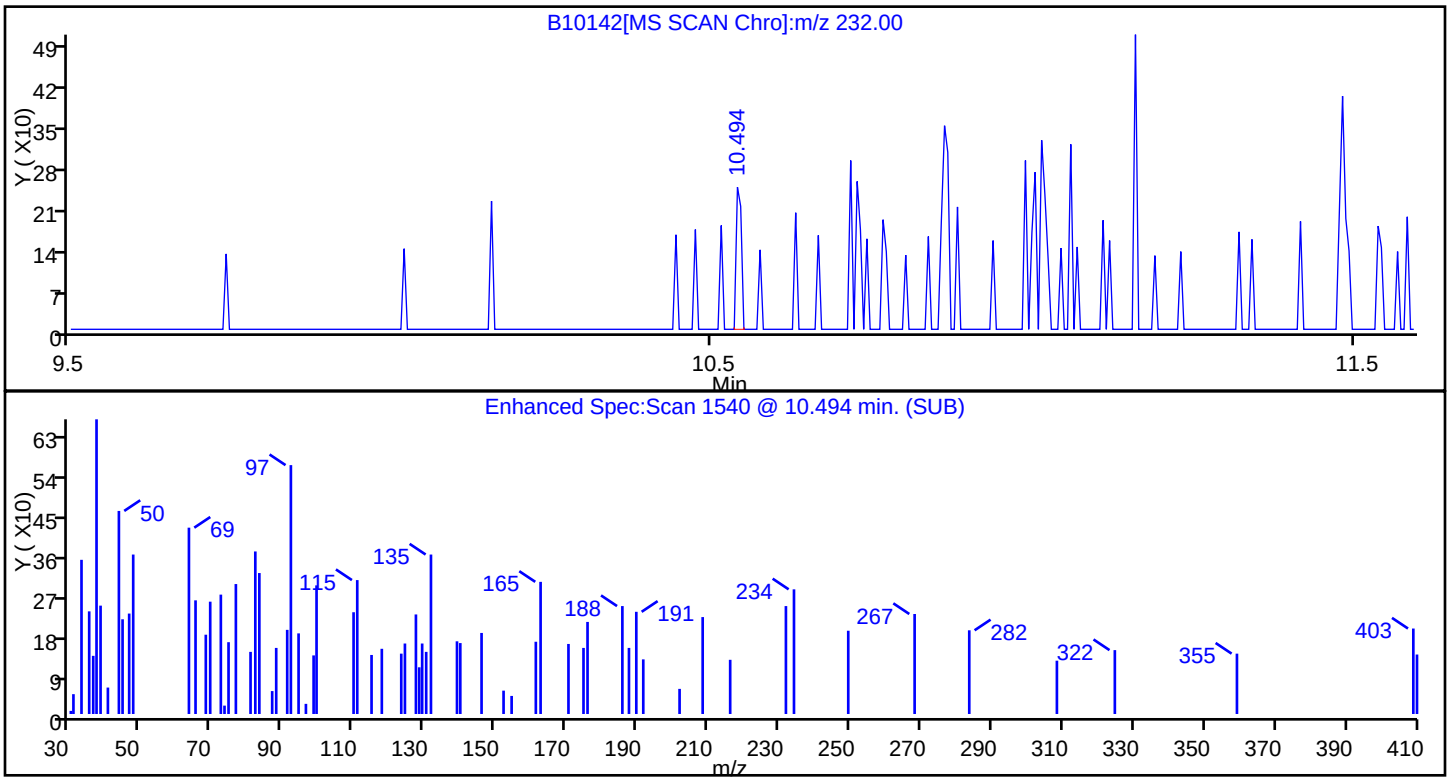
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10142.D		
Inj Date:	09-Sep-2009 18:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48761	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	STD01		
Sample Amount:	2.00 uL	Operator:	MZ

65 2,3,4,6-Tetrachlorophenol

Processing Results



RT	Mass	Response	Amount
10.49	232.00	132	0.100000
10.50	230.00	175	
10.49	131.00	65	

Reviewer: sullivanp, 10-Sep-2009 06:52:17
Audit Action: Marked Compound Undetected
Audit Reason:

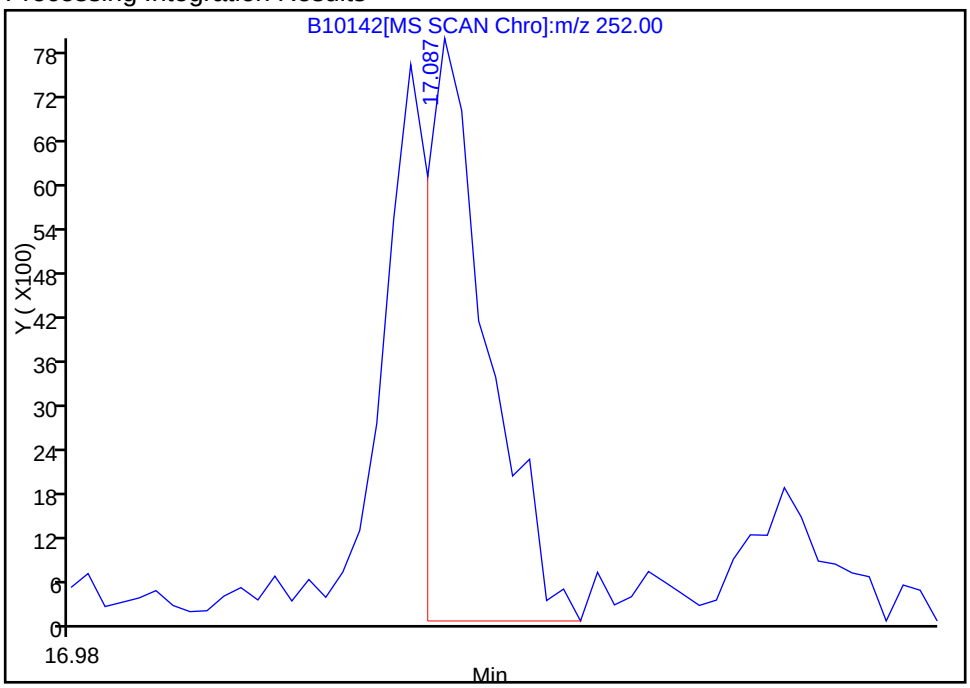
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10142.D		
Inj Date:	09-Sep-2009 18:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48761	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: 17.09

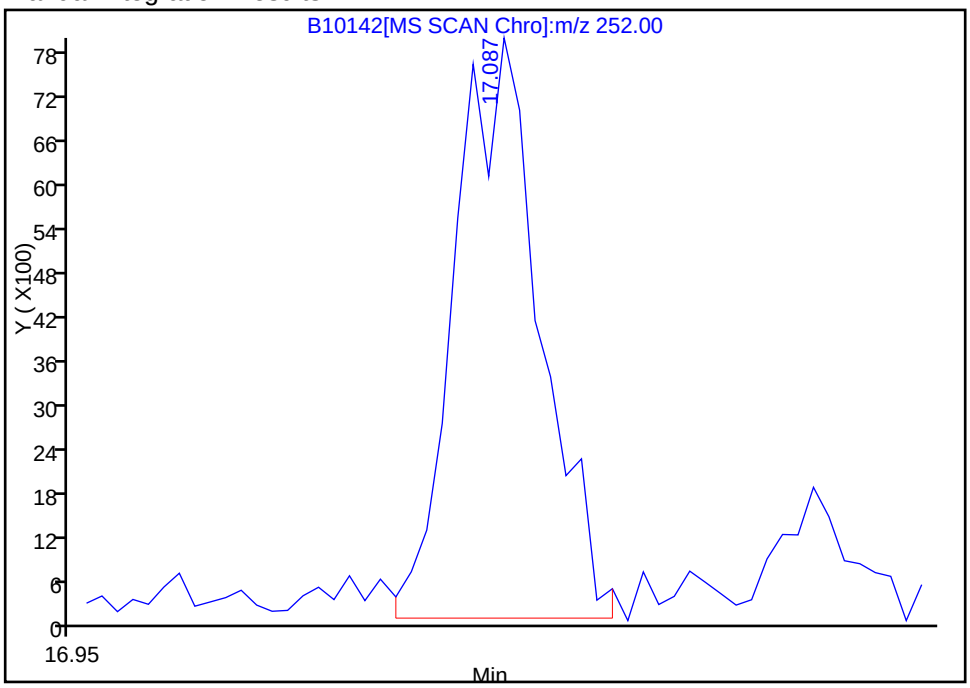
Processing Integration Results

RT: 17.09
Response: 9578
Amount: 0.100000



Manual Integration Results

RT: 17.09
Response: 14616
Amount: 0.100000



Reviewer: sullivanp, 10-Sep-2009 06:52:17
Audit Action: Manually Integrated
Audit Reason: Assign Peak

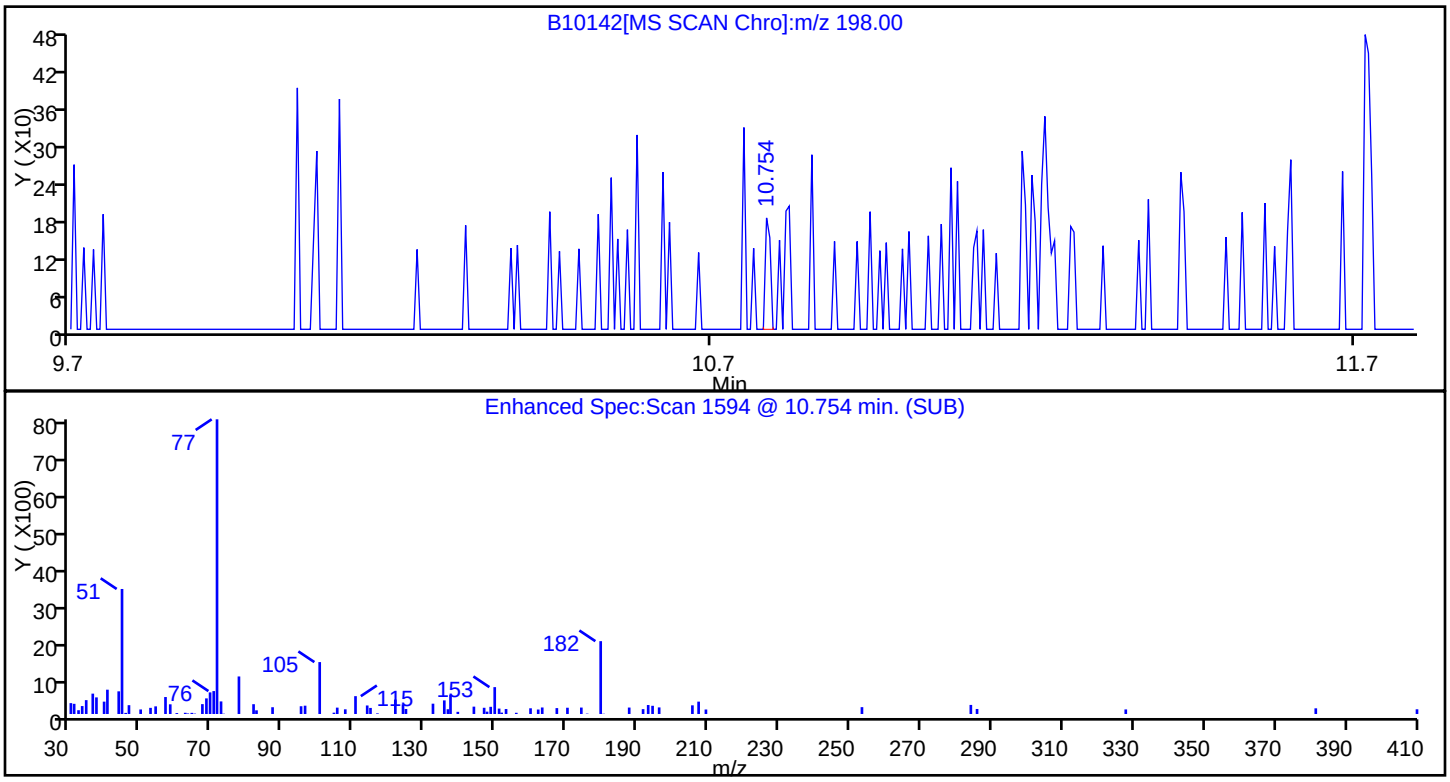
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10142.D		
Inj Date:	09-Sep-2009 18:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48761	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
10.75	198.00	95	0.100000
10.75	121.00	131	
10.76	105.00	4931	

Reviewer: sullivanp, 10-Sep-2009 06:52:17
Audit Action: Marked Compound Undetected
Audit Reason:

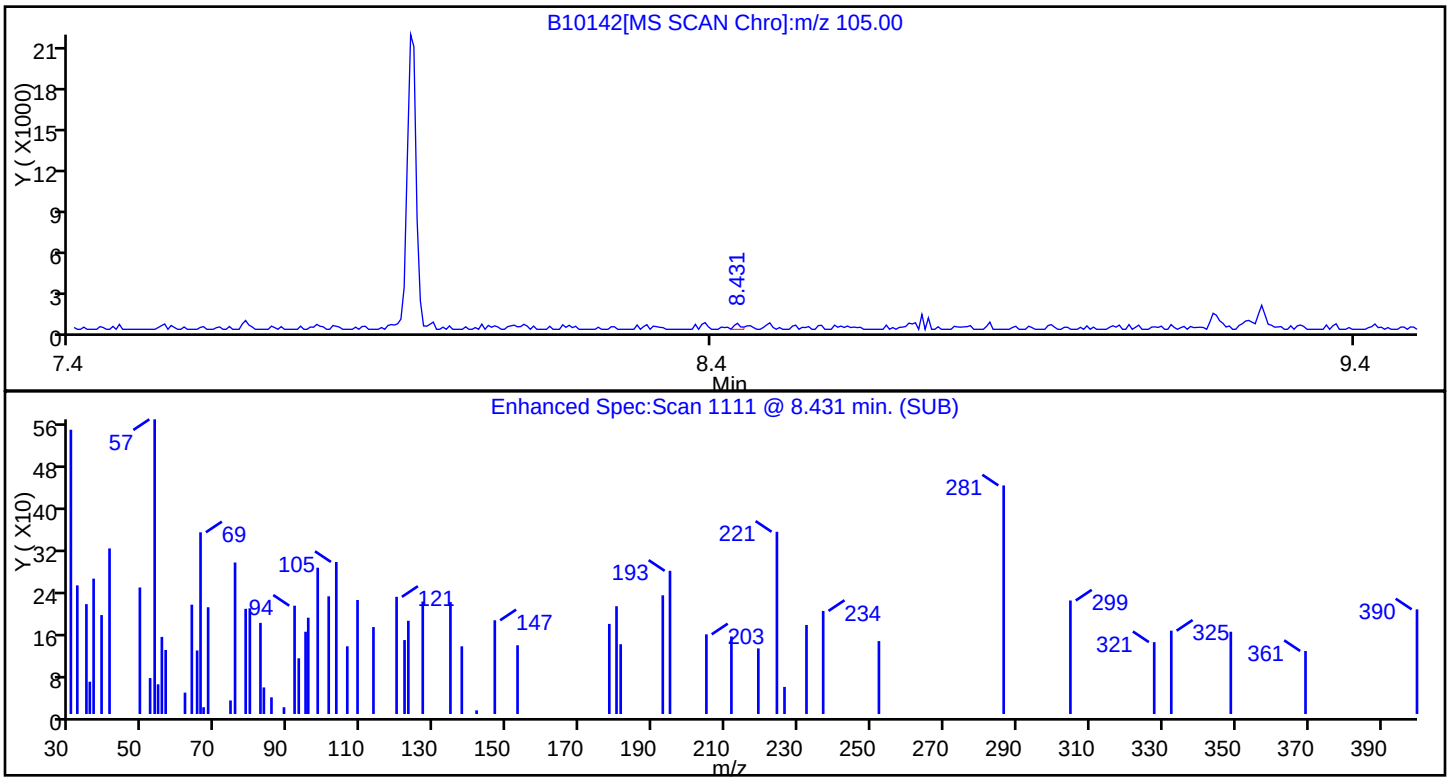
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10142.D		
Inj Date:	09-Sep-2009 18:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48761	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	STD01		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.43	105.00	304	0.100000
8.44	122.00	319	
8.43	77.00	312	

Reviewer: sullivanp, 10-Sep-2009 06:52:17
Audit Action: Marked Compound Undetected
Audit Reason:

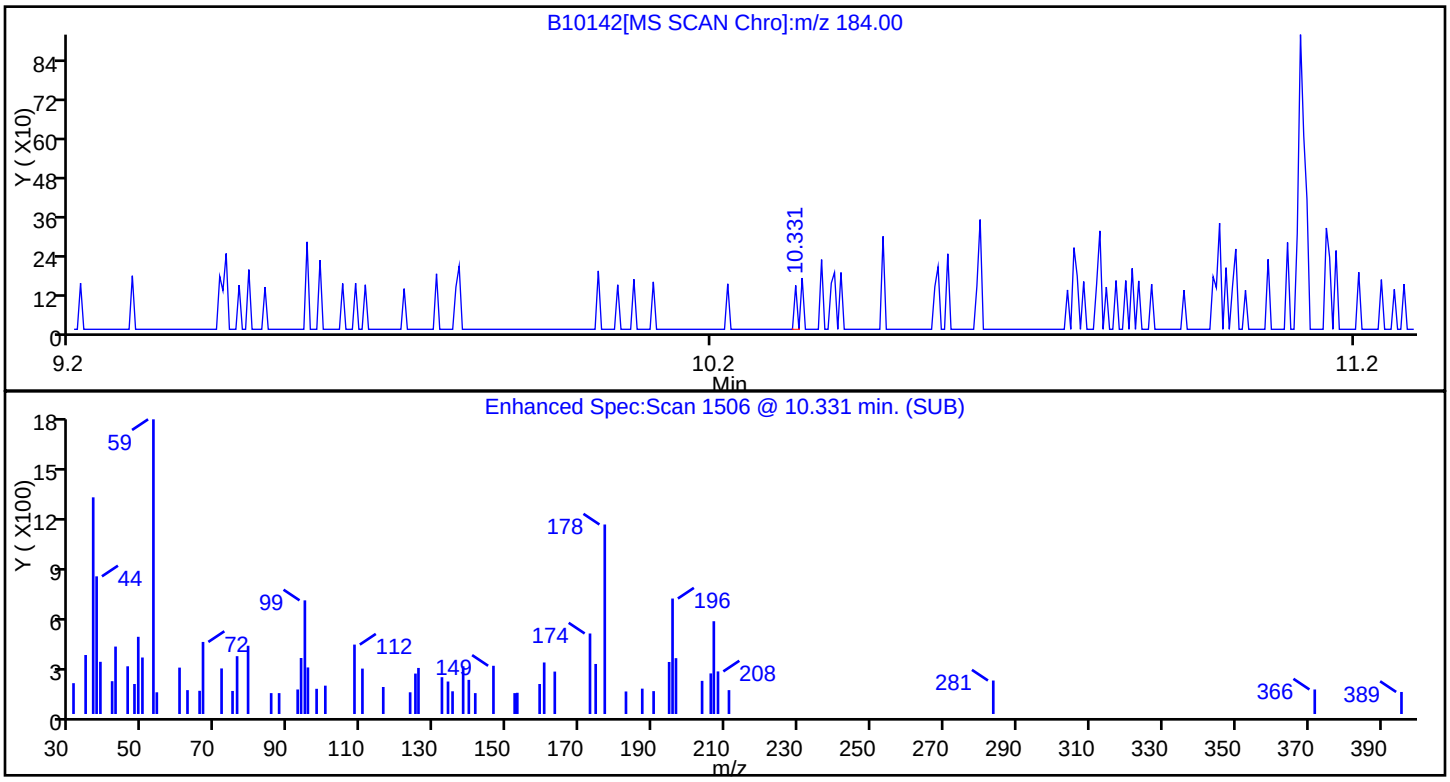
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10142.D		
Inj Date:	09-Sep-2009 18:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48761	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
10.33	184.00	39	0.005694
10.33	63.00	180	
10.33	154.00	88	

Reviewer: sullivanp, 10-Sep-2009 06:52:17
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10143.D		
Lims ID:	STD025	Client ID:	
Inject. Date:	09-Sep-2009 18:34:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	STD025		
Misc. Info.:	360-0001120-004		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	4
Lims Batch ID:	48761	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\8270B.m		
Last Update:	10-Sep-2009 06:53:35	Calib Date:	09-Sep-2009 18:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10143.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 10-Sep-2009 06:53:34

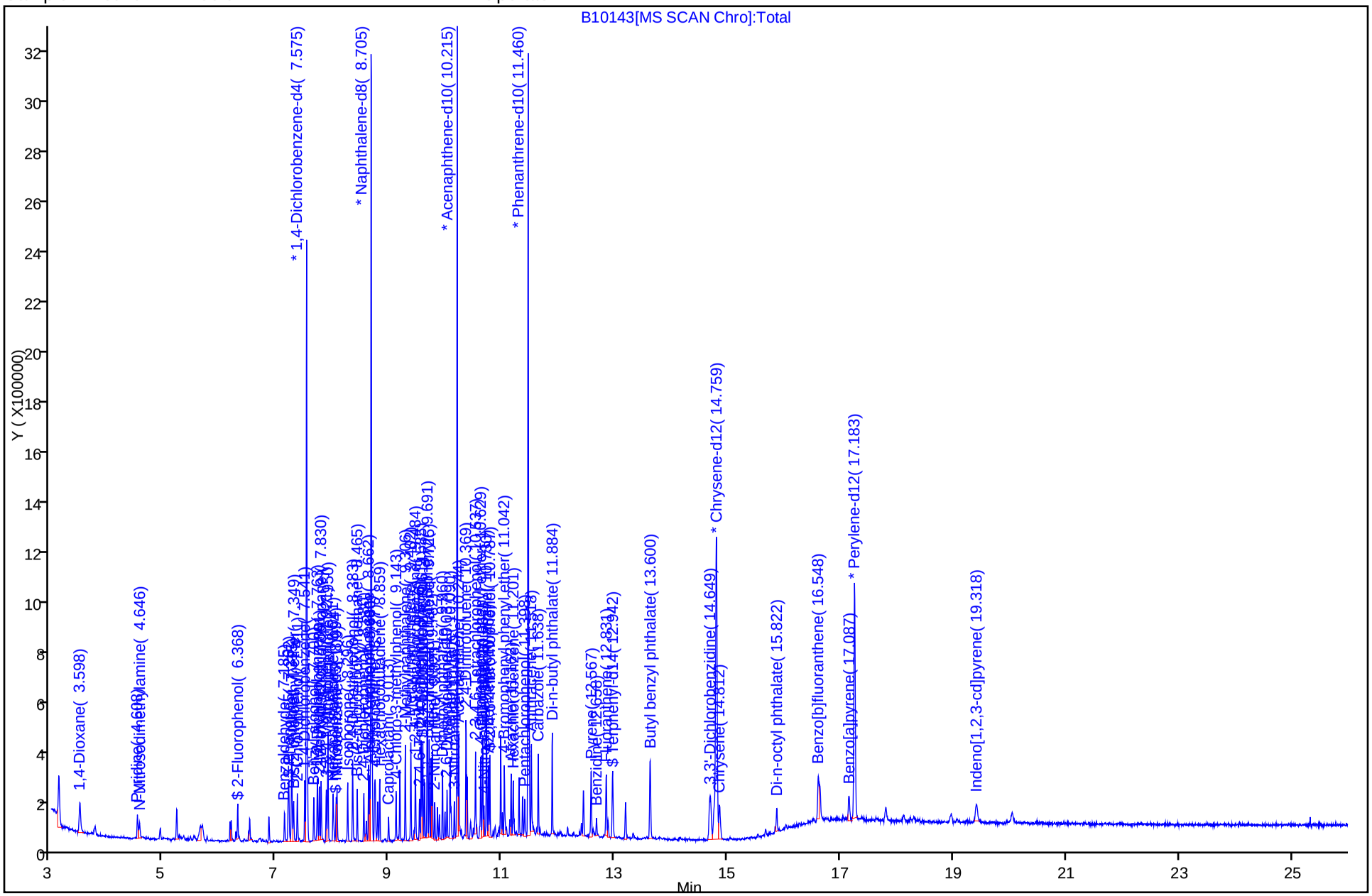
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.575	7.574	0.001	566654	2.00	
* 2 Naphthalene-d8	136	8.705	8.709	-0.004	1354511	2.00	
* 3 Acenaphthene-d10	164	10.215	10.219	-0.004	631137	2.00	
* 4 Phenanthrene-d10	188	11.460	11.460	0.000	1035286	2.00	
* 5 Chrysene-d12	240	14.764	14.763	0.001	795762	2.00	
* 6 Perylene-d12	264	17.183	17.187	-0.004	551056	2.00	
$ 7 2-Fluorophenol	112	6.368	6.362	0.006	38188	0.2636	
$ 8 Phenol-d5	99	7.253	7.257	-0.004	51763	0.2591	
$ 9 Nitrobenzene-d5	82	8.094	8.094	0.000	45271	0.2424	
$ 10 2-Fluorobiphenyl	172	9.614	9.613	0.001	106325	0.2487	
$ 11 2,4,6-Tribromophenol	330	10.883	10.887	-0.004	2051	0.1856	
$ 12 Terphenyl-d14	244	12.937	12.941	-0.004	73945	0.2466	
14 1,4-Dioxane	88	3.863	3.852	0.011	22710	0.2698	
16 Pyridine	79	4.608	4.588	0.020	41304	0.2603	
15 N-Nitrosodimethylamine	42	4.646	4.636	0.010	30002	0.2868	
17 Benzaldehyde	105	7.185	7.190	-0.005	22373	0.2674	
18 Phenol	94	7.262	7.266	-0.004	54184	0.2753	
19 Aniline	93	7.311	7.310	0.000	55571	0.2533	
20 Bis(2-chloroethyl)ether	93	7.349	7.348	0.001	45317	0.2615	
21 2-Chlorophenol	128	7.411	7.416	-0.005	48666	0.2717	
22 1,4-Dichlorobenzene	146	7.546	7.545	0.001	57825	0.2625	
23 1,3-Dichlorobenzene	146	7.589	7.589	0.000	62846	0.2696	
24 Benzyl alcohol	79	7.700	7.704	-0.004	30767	0.2551	
25 1,2-Dichlorobenzene	146	7.763	7.767	-0.004	58614	0.2693	
26 2-Methylphenol	108	7.801	7.800	0.001	41746	0.2741	
27 2,2'-oxybis[1-chloropropane]	45	7.830	7.829	0.001	76396	0.2611	
28 3 & 4 Methylphenol	108	7.921	7.925	-0.004	38413	0.2552	
30 Acetophenone	105	7.945	7.949	-0.004	63854	0.2719	
29 N-Nitrosodi-n-propylamine	70	7.950	7.954	-0.004	31192	0.2714	
31 Hexachloroethane	117	8.041	8.041	0.000	21226	0.2793	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.109	8.108	0.001	47716	0.2523	
33 Isophorone	82	8.296	8.296	0.000	72409	0.2457	
35 2,4-Dimethylphenol	107	8.378	8.382	-0.004	38545	0.2508	
34 2-Nitrophenol	139	8.388	8.387	0.001	19332	0.2310	
37 Bis(2-chloroethoxy)methane	93	8.465	8.464	0.001	50476	0.2539	
38 2,4-Dichlorophenol	162	8.580	8.579	0.001	32585	0.2401	
39 1,2,4-Trichlorobenzene	180	8.662	8.666	-0.004	46620	0.2610	
40 Alpha-Terpineol	59	8.681	8.685	-0.004	31709	0.2324	
41 Naphthalene	128	8.724	8.728	-0.004	149562	0.2577	
42 4-Chloroaniline	127	8.768	8.772	-0.004	49238	0.2475	
43 Hexachlorobutadiene	225	8.859	8.858	0.001	21699	0.2438	
44 Caprolactam	55	9.013	9.031	-0.018	13358	0.2193	
45 4-Chloro-3-methylphenol	107	9.143	9.147	-0.004	32762	0.2435	
46 2-Methylnaphthalene	142	9.306	9.305	0.001	89787	0.2466	
47 1-Methylnaphthalene	142	9.402	9.406	-0.004	96003	0.2595	
49 1,2,4,5-Tetrachlorobenzene	216	9.484	9.483	0.001	36580	0.2452	
48 Hexachlorocyclopentadiene	237	9.489	9.493	-0.004	7424	0.2021	
50 2,4,6-Trichlorophenol	196	9.556	9.560	-0.004	18014	0.2231	
51 2,4,5-Trichlorophenol	196	9.590	9.594	-0.004	19897	0.2279	
52 1,1'-Biphenyl	154	9.696	9.700	-0.004	117408	0.2497	
53 2-Chloronaphthalene	162	9.725	9.729	-0.004	102798	0.2515	
54 Phenyl ether	170	9.782	9.781	0.001	63611	0.2548	
55 2-Nitroaniline	65	9.821	9.825	-0.004	18305	0.2193	
56 Dimethyl phthalate	163	9.960	9.964	-0.004	97170	0.2489	
57 2,6-Dinitrotoluene	165	10.037	10.041	-0.004	19180	0.2368	
58 Acenaphthylene	152	10.090	10.094	-0.004	128507	0.2554	
59 3-Nitroaniline	138	10.167	10.171	-0.004	19441	0.2404	
61 Acenaphthene	153	10.244	10.243	0.001	93334	0.2560	
62 4-Nitrophenol	109	10.263	10.267	-0.004	4878	0.1876	
63 2,4-Dinitrotoluene	165	10.374	10.373	0.001	19706	0.2277	
64 Dibenzofuran	168	10.369	10.373	-0.004	122957	0.2516	
65 2,3,4,6-Tetrachlorophenol	232	10.499	10.503	-0.004	3780	0.2500	
66 Diethyl phthalate	149	10.537	10.541	-0.004	103935	0.2486	
67 4-Chlorophenyl phenyl ether	204	10.629	10.633	-0.004	46726	0.2517	
69 Fluorene	166	10.662	10.666	-0.004	97236	0.2499	
68 4-Nitroaniline	138	10.686	10.690	-0.004	16452	0.2289	
70 4,6-Dinitro-2-methylphenol	198	10.715	10.719	-0.004	1450	0.2500	
71 Diphenylamine	169	10.730	10.734	-0.004	84572	0.2529	
72 N-Nitrosodiphenylamine	169	10.730	10.734	-0.004	84572	0.2529	
74 Azobenzene	77	10.763	10.762	0.001	90127	0.2549	
73 1,2-Diphenylhydrazine	77	10.763	10.762	0.001	90127	0.2549	
13 Benzophenone	105	10.787	10.791	-0.004	78042	0.2588	
75 4-Bromophenyl phenyl ether	248	11.042	11.046	-0.004	22957	0.2409	
77 Atrazine	200	11.162	11.166	-0.004	22208	0.2495	
76 Hexachlorobenzene	284	11.201	11.200	0.001	22910	0.2611	
78 Pentachlorophenol	266	11.398	11.340	0.058	259	0.0203	
79 Pentachloronitrobenzene	237	11.398	11.402	-0.004	7397	0.2398	
80 Phenanthrene	178	11.480	11.484	-0.004	141703	0.2582	
81 Anthracene	178	11.518	11.522	-0.004	125973	0.2548	
83 Carbazole	167	11.638	11.638	0.000	121696	0.2643	
84 Di-n-butyl phthalate	149	11.884	11.883	0.001	169581	0.2428	
85 Pyrene	202	12.567	12.566	0.001	120894	0.2475	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	12.658	12.662	-0.004	32047	0.1946	
87 Fluoranthene	202	12.831	12.830	0.001	125908	0.2529	
89 Butyl benzyl phthalate	149	13.596	13.600	-0.004	46209	0.2230	
91 3,3'-Dichlorobenzidine	252	14.644	14.648	-0.004	46142	0.2236	
92 Bis(2-ethylhexyl) phthalate	149	14.663	14.662	0.001	54457	0.2108	
93 Benzo[a]anthracene	228	14.726	14.725	0.001	82832	0.2497	
94 Chrysene	228	14.812	14.821	-0.009	85165	0.2405	
95 Di-n-octyl phthalate	149	15.822	15.821	0.001	51665	0.1935	
97 Benzo[b]fluoranthene	252	16.543	16.552	-0.009	73306	0.2343	
98 Benzo[k]fluoranthene	252	16.582	16.586	-0.004	69567	0.2373	
99 Benzo[a]pyrene	252	17.092	17.087	0.005	51000	0.2349	
100 Indeno[1,2,3-cd]pyrene	276	19.318	19.322	-0.004	38072	0.2270	
101 Dibenz(a,h)anthracene	278	19.328	19.332	-0.004	33689	0.2476	
102 Benzo[g,h,i]perylene	276	19.948	19.957	-0.009	36108	0.2385	

Report Date: 10-Sep-2009 06:53:35 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10143.D		
Inj Date:	09-Sep-2009 18:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48761	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	STD025		
Sample Amount:	2.00 uL	Operator:	MZ



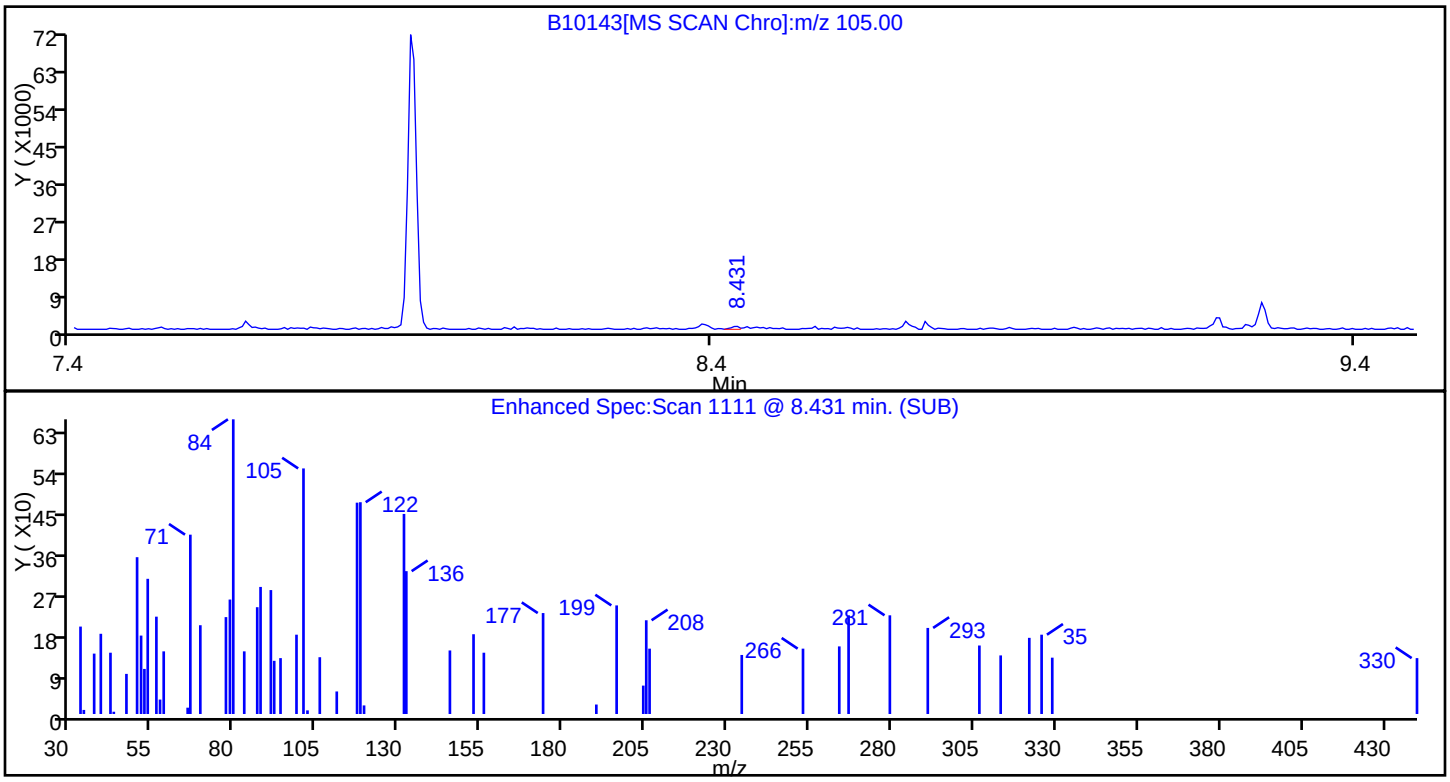
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10143.D		
Inj Date:	09-Sep-2009 18:34:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48761	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	STD025		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.43	105.00	626	0.250000
8.43	122.00	920	
8.44	77.00	507	

Reviewer: sullivanp, 10-Sep-2009 06:53:34
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10144.D		
Lims ID:	STD05	Client ID:	
Inject. Date:	09-Sep-2009 19:08:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	STD05		
Misc. Info.:	360-0001120-005		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	5
Lims Batch ID:	48761	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\8270B.m		
Last Update:	10-Sep-2009 06:58:02	Calib Date:	09-Sep-2009 20:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10146.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	10-Sep-2009 06:55:01
Reviewed By:	sullivanp	Date:	10-Sep-2009 06:58:02

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.574	7.574	0.000	624579	2.00	
* 2 Naphthalene-d8	136	8.709	8.709	0.000	1456154	2.00	
* 3 Acenaphthene-d10	164	10.214	10.219	-0.005	698821	2.00	
* 4 Phenanthrene-d10	188	11.459	11.460	-0.001	1170906	2.00	
* 5 Chrysene-d12	240	14.758	14.763	-0.005	934870	2.00	
* 6 Perylene-d12	264	17.182	17.187	-0.005	635888	2.00	
$ 7 2-Fluorophenol	112	6.367	6.362	0.005	94144	0.5700	
$ 8 Phenol-d5	99	7.252	7.257	-0.005	118262	0.5305	
$ 9 Nitrobenzene-d5	82	8.093	8.094	-0.001	107669	0.5234	
$ 10 2-Fluorobiphenyl	172	9.613	9.613	0.000	232634	0.4972	
$ 11 2,4,6-Tribromophenol	330	10.887	10.887	0.000	8569	0.4772	
$ 12 Terphenyl-d14	244	12.941	12.941	0.000	167992	0.4729	
14 1,4-Dioxane	88	3.866	3.852	0.014	40971	0.5161	
16 Pyridine	79	4.607	4.588	0.019	93866	0.5406	
15 N-Nitrosodimethylamine	42	4.645	4.636	0.009	63302	0.5438	
17 Benzaldehyde	105	7.189	7.190	-0.001	47215	0.5128	
18 Phenol	94	7.261	7.266	-0.005	119721	0.5365	
19 Aniline	93	7.309	7.310	-0.001	132434	0.5273	
20 Bis(2-chloroethyl)ether	93	7.348	7.348	0.000	99542	0.5152	
21 2-Chlorophenol	128	7.410	7.416	-0.006	105112	0.5201	
22 1,4-Dichlorobenzene	146	7.545	7.545	0.000	127100	0.5215	
23 1,3-Dichlorobenzene	146	7.588	7.589	-0.001	136845	0.5334	
24 Benzyl alcohol	79	7.699	7.704	-0.005	70275	0.5025	
25 1,2-Dichlorobenzene	146	7.766	7.767	-0.001	123776	0.5212	
26 2-Methylphenol	108	7.800	7.800	0.000	89676	0.5209	
27 2,2'-oxybis[1-chloropropane]	45	7.829	7.829	0.000	176447	0.5323	
28 3 & 4 Methylphenol	108	7.920	7.925	-0.005	92376	0.5306	
30 Acetophenone	105	7.944	7.949	-0.005	141240	0.5312	
29 N-Nitrosodi-n-propylamine	70	7.949	7.954	-0.005	70877	0.5435	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	8.040	8.041	-0.001	43548	0.5146	
32 Nitrobenzene	77	8.108	8.108	0.000	108080	0.5222	
33 Isophorone	82	8.295	8.296	-0.001	176281	0.5263	
35 2,4-Dimethylphenol	107	8.382	8.382	0.000	87275	0.5179	
34 2-Nitrophenol	139	8.387	8.387	0.000	47718	0.4893	
36 Benzoic acid	105	8.425	8.440	-0.015	3755	0.6832	
37 Bis(2-chloroethoxy)methane	93	8.464	8.464	0.000	113062	0.5197	
38 2,4-Dichlorophenol	162	8.579	8.579	0.000	75232	0.5043	
39 1,2,4-Trichlorobenzene	180	8.661	8.666	-0.005	99938	0.5128	
40 Alpha-Terpineol	59	8.685	8.685	0.000	80568	0.5271	
41 Naphthalene	128	8.723	8.728	-0.005	320957	0.5147	
42 4-Chloroaniline	127	8.767	8.772	-0.005	115845	0.5162	
43 Hexachlorobutadiene	225	8.858	8.858	0.000	51484	0.5303	
44 Caprolactam	55	9.012	9.031	-0.019	33485	0.4699	
45 4-Chloro-3-methylphenol	107	9.142	9.147	-0.005	77163	0.5168	
46 2-Methylnaphthalene	142	9.305	9.305	0.000	204459	0.5174	
47 1-Methylnaphthalene	142	9.401	9.406	-0.005	210370	0.5243	
49 1,2,4,5-Tetrachlorobenzene	216	9.483	9.483	0.000	88442	0.5384	
48 Hexachlorocyclopentadiene	237	9.493	9.493	0.000	22123	0.5465	
50 2,4,6-Trichlorophenol	196	9.555	9.560	-0.005	45494	0.4666	
51 2,4,5-Trichlorophenol	196	9.589	9.594	-0.005	49762	0.4939	
52 1,1'-Biphenyl	154	9.695	9.700	-0.005	266908	0.5144	
53 2-Chloronaphthalene	162	9.724	9.729	-0.005	229763	0.5052	
54 Phenyl ether	170	9.781	9.781	0.000	134864	0.5078	
55 2-Nitroaniline	65	9.820	9.825	-0.005	46949	0.4746	
56 Dimethyl phthalate	163	9.959	9.964	-0.005	217920	0.5063	
57 2,6-Dinitrotoluene	165	10.036	10.041	-0.005	46749	0.5033	
58 Acenaphthylene	152	10.089	10.094	-0.005	286758	0.5038	
59 3-Nitroaniline	138	10.166	10.171	-0.005	49802	0.5308	
61 Acenaphthene	153	10.243	10.243	0.000	202989	0.5106	
60 2,4-Dinitrophenol	184	10.252	10.253	-0.001	701	0.0867	
62 4-Nitrophenol	109	10.262	10.267	-0.005	15233	0.5243	
63 2,4-Dinitrotoluene	165	10.373	10.373	0.000	55339	0.4969	
64 Dibenzofuran	168	10.368	10.373	-0.005	268036	0.5041	
65 2,3,4,6-Tetrachlorophenol	232	10.498	10.503	-0.005	21599	0.4946	
66 Diethyl phthalate	149	10.536	10.541	-0.005	220889	0.4914	
67 4-Chlorophenyl phenyl ether	204	10.628	10.633	-0.005	99353	0.4940	
69 Fluorene	166	10.661	10.666	-0.005	214581	0.5000	
68 4-Nitroaniline	138	10.685	10.690	-0.005	46844	0.5258	
70 4,6-Dinitro-2-methylphenol	198	10.714	10.719	-0.005	8551	0.5893	
71 Diphenylamine	169	10.729	10.734	-0.005	188126	0.4908	
72 N-Nitrosodiphenylamine	169	10.729	10.734	-0.005	188126	0.4908	
74 Azobenzene	77	10.762	10.762	0.000	212770	0.5132	
73 1,2-Diphenylhydrazine	77	10.762	10.762	0.000	212770	0.5132	
13 Benzophenone	105	10.786	10.791	-0.005	175929	0.5048	
75 4-Bromophenyl phenyl ether	248	11.041	11.046	-0.005	51656	0.4859	
77 Atrazine	200	11.161	11.166	-0.005	48579	0.4748	
76 Hexachlorobenzene	284	11.200	11.200	0.000	49101	0.4942	
78 Pentachlorophenol	266	11.402	11.402	0.000	626	0.0721	M
79 Pentachloronitrobenzene	237	11.402	11.402	0.000	16959	0.4617	
80 Phenanthrene	178	11.479	11.484	-0.005	312232	0.5047	
81 Anthracene	178	11.517	11.522	-0.005	269860	0.4815	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.637	11.638	-0.001	281730	0.5250	
84 Di-n-butyl phthalate	149	11.883	11.883	0.000	359480	0.4800	
85 Pyrene	202	12.566	12.566	0.000	275823	0.4799	
86 Benzidine	184	12.657	12.662	-0.005	94088	0.4459	
87 Fluoranthene	202	12.830	12.830	0.000	296243	0.5190	
89 Butyl benzyl phthalate	149	13.595	13.600	-0.005	121928	0.4838	
91 3,3'-Dichlorobenzidine	252	14.643	14.648	-0.005	134672	0.4846	
92 Bis(2-ethylhexyl) phthalate	149	14.662	14.662	0.000	135649	0.4483	
93 Benzo[a]anthracene	228	14.720	14.725	-0.005	205884	0.5142	
94 Chrysene	228	14.816	14.821	-0.005	191689	0.4760	
95 Di-n-octyl phthalate	149	15.816	15.821	-0.005	150989	0.4873	
97 Benzo[b]fluoranthene	252	16.542	16.552	-0.010	177137	0.4863	
98 Benzo[k]fluoranthene	252	16.581	16.586	-0.005	173800	0.4972	
99 Benzo[a]pyrene	252	17.086	17.087	-0.001	129376	0.5027	
100 Indeno[1,2,3-cd]pyrene	276	19.312	19.322	-0.010	109075	0.5546	
101 Dibenz(a,h)anthracene	278	19.327	19.332	-0.005	92288	0.5736	
102 Benzo[g,h,i]perylene	276	19.952	19.957	-0.005	94023	0.5397	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 10-Sep-2009 06:58:03 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-4.b\B10144.D

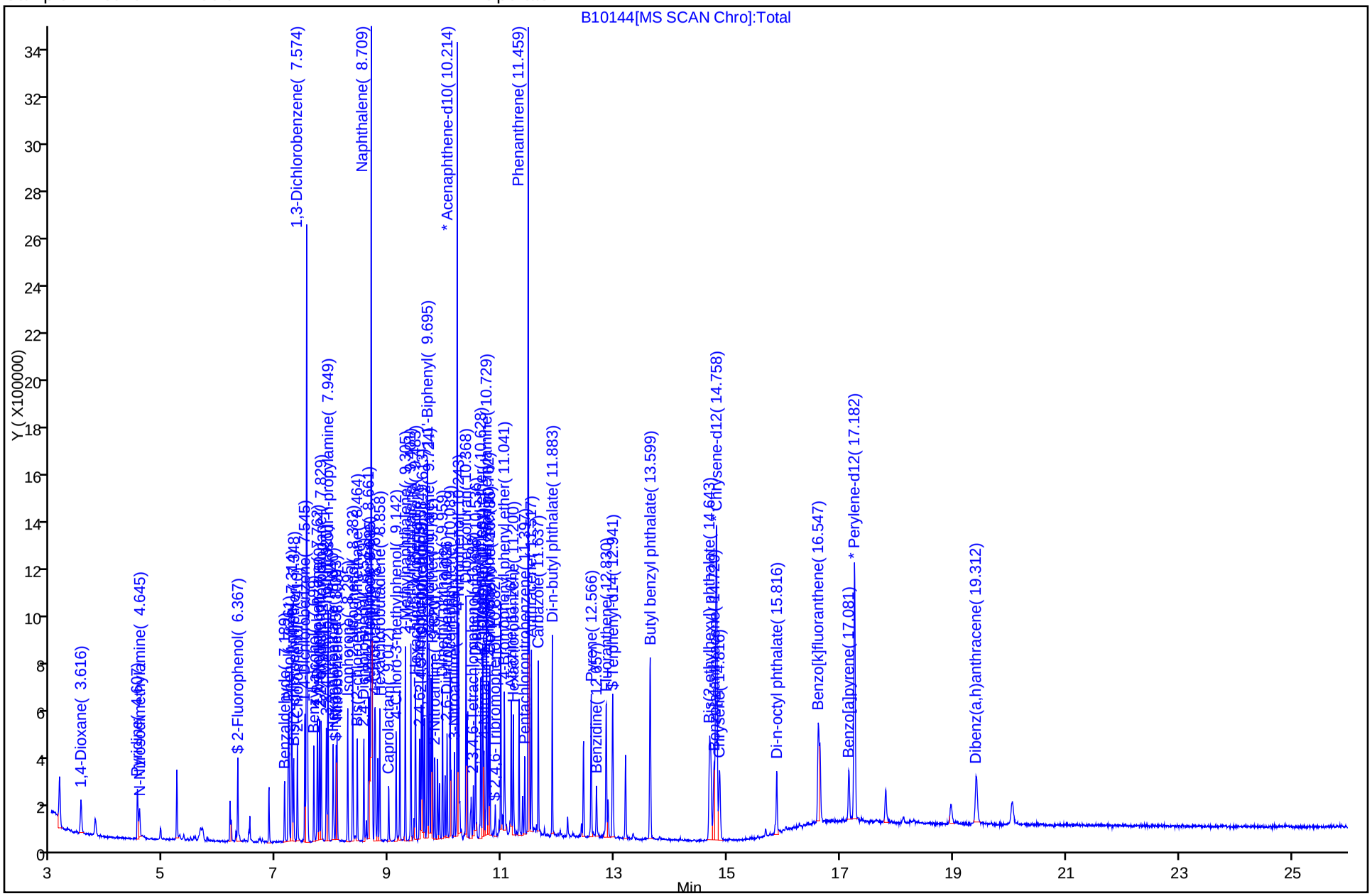
Inj Date: 09-Sep-2009 19:08:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48761 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: STD05

Sample Amount: 2.00 uL Operator: MZ



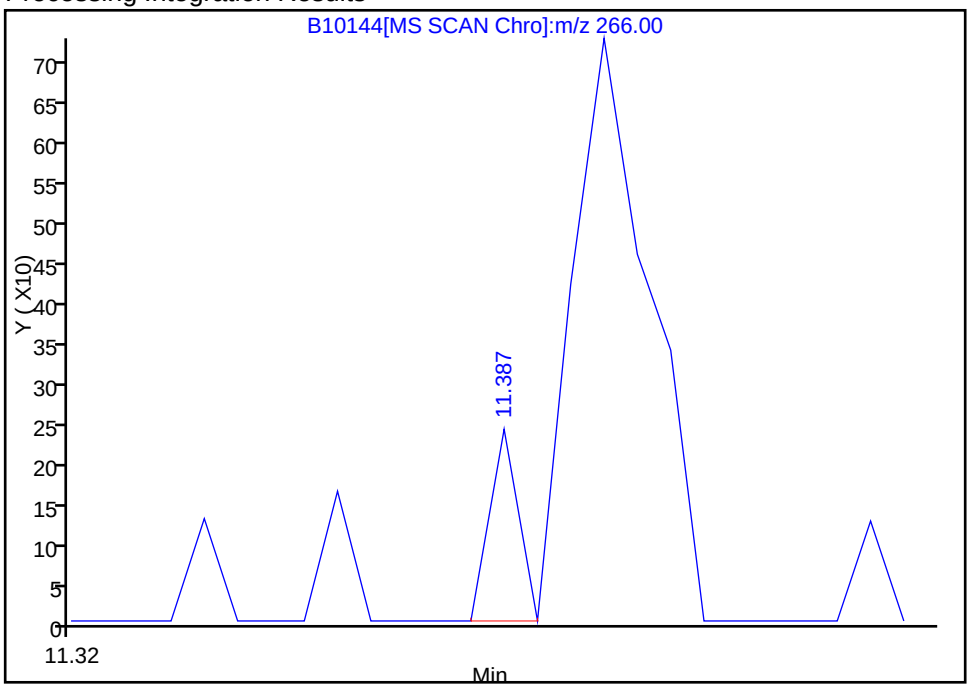
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10144.D		
Inj Date:	09-Sep-2009 19:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48761	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	STD05		
Sample Amount:	2.00 uL	Operator:	MZ

78 Pentachlorophenol, Number: 1, m/z: 266 Type: quant, RT: 11.40

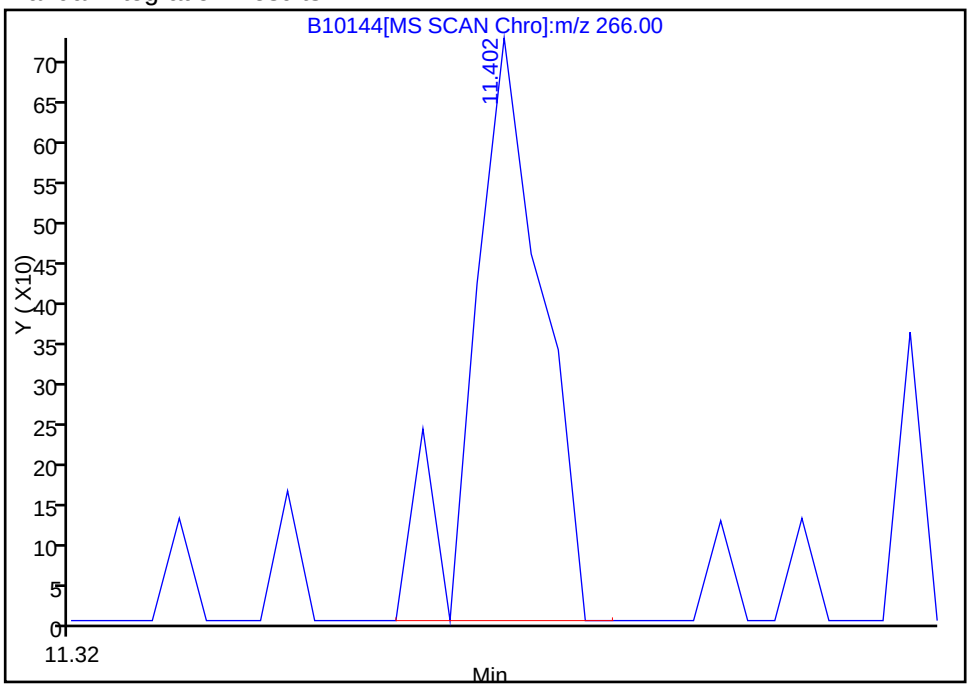
Processing Integration Results

RT: 11.39
Response: 69
Amount: 0.007147



Manual Integration Results

RT: 11.40
Response: 626
Amount: 0.072121



Reviewer: sullivanp, 10-Sep-2009 06:58:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10145.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	09-Sep-2009 19:42:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	STD1		
Misc. Info.:	360-0001120-006		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	6
Lims Batch ID:	48761	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\8270B.m		
Last Update:	10-Sep-2009 06:56:20	Calib Date:	09-Sep-2009 19:42:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10145.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 10-Sep-2009 06:56:20

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.574	7.574	0.000	553428	2.00	
* 2 Naphthalene-d8	136	8.709	8.709	0.000	1252191	2.00	
* 3 Acenaphthene-d10	164	10.214	10.219	-0.005	578460	2.00	
* 4 Phenanthrene-d10	188	11.459	11.460	-0.001	915487	2.00	
* 5 Chrysene-d12	240	14.758	14.763	-0.005	628447	2.00	
* 6 Perylene-d12	264	17.182	17.187	-0.005	366804	2.00	
$ 7 2-Fluorophenol	112	6.362	6.362	0.000	152124	1.02	
$ 8 Phenol-d5	99	7.252	7.257	-0.005	198324	1.00	
$ 9 Nitrobenzene-d5	82	8.093	8.094	-0.001	181065	1.02	
$ 10 2-Fluorobiphenyl	172	9.613	9.613	0.000	384164	0.9876	
$ 11 2,4,6-Tribromophenol	330	10.887	10.887	0.000	17029	0.8507	
$ 12 Terphenyl-d14	244	12.941	12.941	0.000	254444	1.07	
14 1,4-Dioxane	88	3.838	3.852	-0.014	66138	1.04	
16 Pyridine	79	4.588	4.588	0.000	150890	0.9646	
15 N-Nitrosodimethylamine	42	4.631	4.636	-0.005	105646	1.01	
17 Benzaldehyde	105	7.184	7.190	-0.006	82547	1.00	
18 Phenol	94	7.261	7.266	-0.005	203681	1.03	
19 Aniline	93	7.309	7.310	-0.001	231655	1.04	
20 Bis(2-chloroethyl)ether	93	7.348	7.348	0.000	180888	1.05	
21 2-Chlorophenol	128	7.410	7.416	-0.006	188063	1.05	
22 1,4-Dichlorobenzene	146	7.540	7.545	-0.005	223010	1.02	
23 1,3-Dichlorobenzene	146	7.588	7.589	-0.001	228173	0.9889	
24 Benzyl alcohol	79	7.699	7.704	-0.005	133431	1.09	
25 1,2-Dichlorobenzene	146	7.762	7.767	-0.005	211773	0.99	
26 2-Methylphenol	108	7.800	7.800	0.000	156737	1.03	
27 2,2'-oxybis[1-chloropropane]	45	7.829	7.829	0.000	305324	1.03	
28 3 & 4 Methylphenol	108	7.920	7.925	-0.005	165128	1.07	
30 Acetophenone	105	7.949	7.949	0.000	244649	1.03	
29 N-Nitrosodi-n-propylamine	70	7.949	7.954	-0.005	118223	1.02	
31 Hexachloroethane	117	8.040	8.041	-0.001	77047	1.02	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.108	8.108	0.000	181949	1.02	
33 Isophorone	82	8.295	8.296	-0.001	307899	1.08	
35 2,4-Dimethylphenol	107	8.382	8.382	0.000	148646	1.03	
34 2-Nitrophenol	139	8.387	8.387	0.000	85676	0.9858	
36 Benzoic acid	105	8.430	8.440	-0.010	8674	0.8525	
37 Bis(2-chloroethoxy)methane	93	8.464	8.464	0.000	193959	1.03	
38 2,4-Dichlorophenol	162	8.579	8.579	0.000	130246	1.02	
39 1,2,4-Trichlorobenzene	180	8.661	8.666	-0.005	175851	1.04	
40 Alpha-Terpineol	59	8.685	8.685	0.000	138169	1.05	
41 Naphthalene	128	8.723	8.728	-0.005	536604	0.99	
42 4-Chloroaniline	127	8.767	8.772	-0.005	205147	1.07	
43 Hexachlorobutadiene	225	8.858	8.858	0.000	84908	1.01	
44 Caprolactam	55	9.017	9.031	-0.014	63009	1.00	
45 4-Chloro-3-methylphenol	107	9.146	9.147	-0.001	130831	1.03	
46 2-Methylnaphthalene	142	9.305	9.305	0.000	346528	1.01	
47 1-Methylnaphthalene	142	9.401	9.406	-0.005	350036	1.01	
49 1,2,4,5-Tetrachlorobenzene	216	9.483	9.483	0.000	142937	1.01	
48 Hexachlorocyclopentadiene	237	9.493	9.493	0.000	36352	0.8434	
50 2,4,6-Trichlorophenol	196	9.555	9.560	-0.005	84205	1.00	
51 2,4,5-Trichlorophenol	196	9.589	9.594	-0.005	86322	1.06	
52 1,1'-Biphenyl	154	9.695	9.700	-0.005	424271	0.9825	
53 2-Chloronaphthalene	162	9.724	9.729	-0.005	375767	1.00	
54 Phenyl ether	170	9.781	9.781	0.000	227372	0.9871	
55 2-Nitroaniline	65	9.820	9.825	-0.005	82827	0.9183	
56 Dimethyl phthalate	163	9.959	9.964	-0.005	363670	1.01	
57 2,6-Dinitrotoluene	165	10.036	10.041	-0.005	80616	1.07	
58 Acenaphthylene	152	10.089	10.094	-0.005	480414	1.03	
59 3-Nitroaniline	138	10.166	10.171	-0.005	81661	1.07	
61 Acenaphthene	153	10.243	10.243	0.000	319062	0.9624	
60 2,4-Dinitrophenol	184	10.252	10.253	-0.001	3501	0.5743	
62 4-Nitrophenol	109	10.262	10.267	-0.005	24938	0.8144	
63 2,4-Dinitrotoluene	165	10.373	10.373	0.000	93875	0.9631	
64 Dibenzofuran	168	10.368	10.373	-0.005	433335	0.9755	
65 2,3,4,6-Tetrachlorophenol	232	10.498	10.503	-0.005	43408	0.9119	
66 Diethyl phthalate	149	10.536	10.541	-0.005	359214	0.9582	
67 4-Chlorophenyl phenyl ether	204	10.628	10.633	-0.005	160274	0.9594	
69 Fluorene	166	10.661	10.666	-0.005	345038	0.9745	
68 4-Nitroaniline	138	10.685	10.690	-0.005	72822	0.9514	
70 4,6-Dinitro-2-methylphenol	198	10.714	10.719	-0.005	13543	0.7931	
71 Diphenylamine	169	10.729	10.734	-0.005	304963	1.03	
72 N-Nitrosodiphenylamine	169	10.729	10.734	-0.005	304963	1.03	
74 Azobenzene	77	10.762	10.762	0.000	349172	1.10	
73 1,2-Diphenylhydrazine	77	10.762	10.762	0.000	349172	1.10	
13 Benzophenone	105	10.786	10.791	-0.005	285225	1.05	
75 4-Bromophenyl phenyl ether	248	11.046	11.046	0.000	82833	0.99	
77 Atrazine	200	11.161	11.166	-0.005	85253	1.09	
76 Hexachlorobenzene	284	11.200	11.200	0.000	77684	1.00	
78 Pentachlorophenol	266	11.397	11.397	0.000	736	0.0949	M
79 Pentachloronitrobenzene	237	11.402	11.402	0.000	29250	0.9803	
80 Phenanthrene	178	11.479	11.484	-0.005	477622	0.9860	
81 Anthracene	178	11.517	11.522	-0.005	443955	1.02	
83 Carbazole	167	11.637	11.638	-0.001	426390	1.02	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.883	11.883	0.000	546676	0.9228	
85 Pyrene	202	12.566	12.566	0.000	398110	1.03	
86 Benzidine	184	12.657	12.662	-0.005	222724	0.8898	
87 Fluoranthene	202	12.825	12.830	-0.005	443009	0.99	
89 Butyl benzyl phthalate	149	13.595	13.600	-0.005	179422	1.08	
91 3,3'-Dichlorobenzidine	252	14.643	14.648	-0.005	195033	0.9834	
92 Bis(2-ethylhexyl) phthalate	149	14.662	14.662	0.000	198943	1.00	
93 Benzo[a]anthracene	228	14.720	14.725	-0.005	275615	1.03	
94 Chrysene	228	14.816	14.821	-0.005	272949	1.00	
95 Di-n-octyl phthalate	149	15.821	15.821	0.000	206376	0.8376	
97 Benzo[b]fluoranthene	252	16.547	16.552	-0.005	214847	1.03	
98 Benzo[k]fluoranthene	252	16.576	16.586	-0.010	218760	1.09	
99 Benzo[a]pyrene	252	17.086	17.087	-0.001	157155	1.07	
100 Indeno[1,2,3-cd]pyrene	276	19.322	19.322	0.000	107183	0.9435	
101 Dibenz(a,h)anthracene	278	19.317	19.332	-0.015	88670	0.9496	
102 Benzo[g,h,i]perylene	276	19.952	19.957	-0.005	97235	0.9569	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 10-Sep-2009 06:56:21 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-4.b\B10145.D

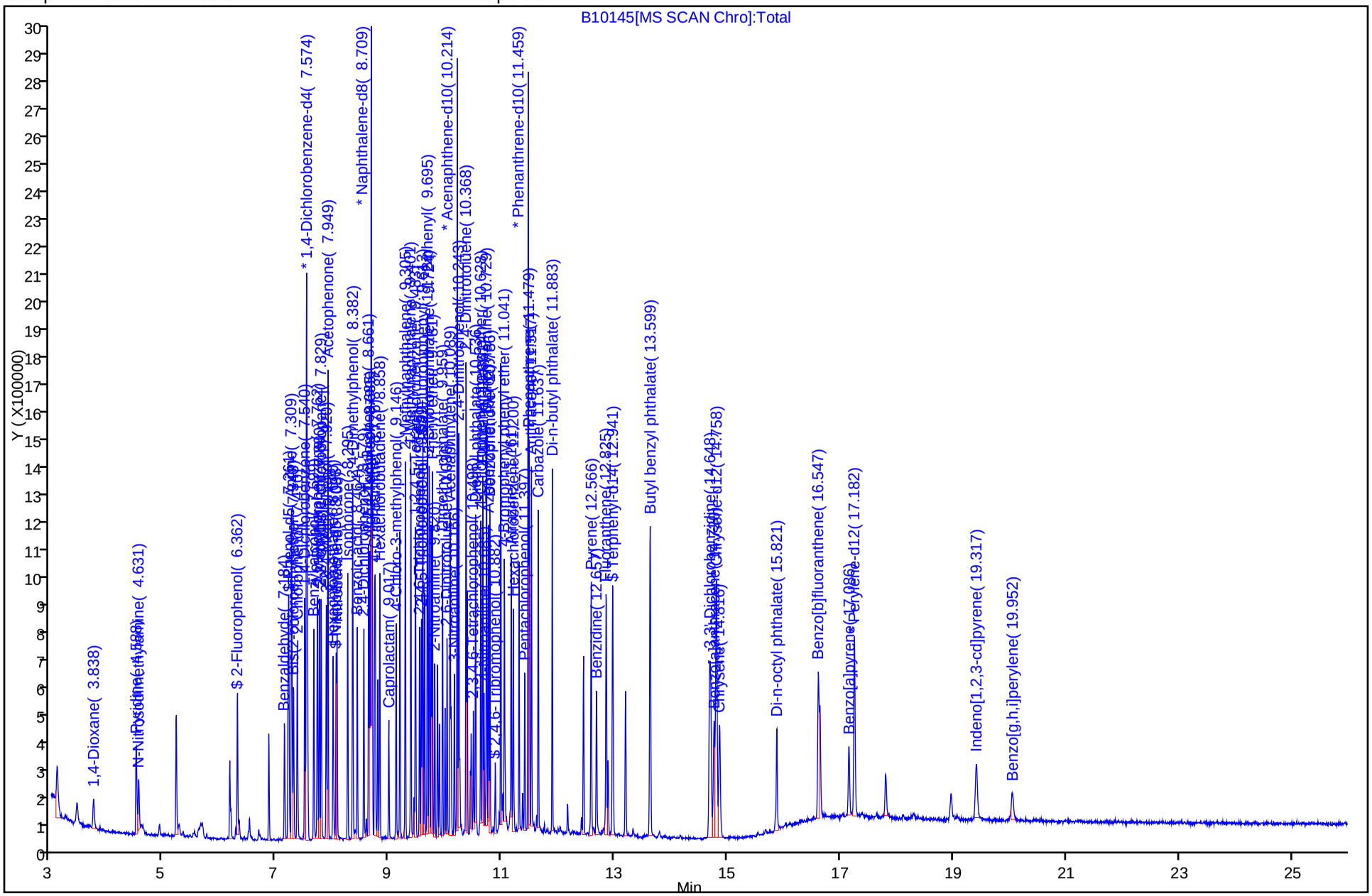
Inj Date: 09-Sep-2009 19:42:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48761 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: STD1

Sample Amount: 2.00 uL Operator: MZ



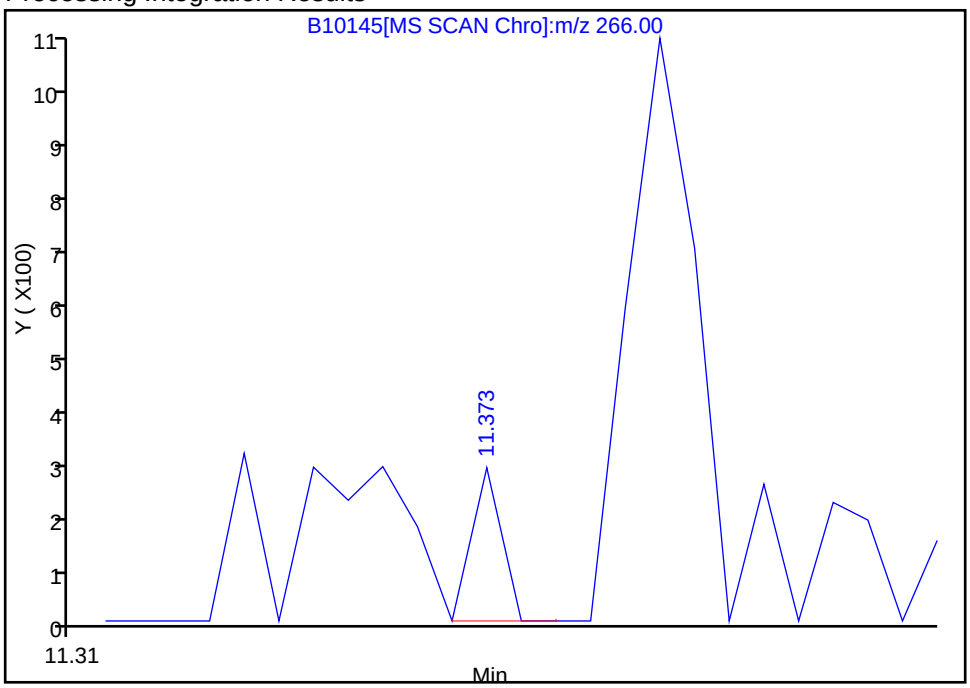
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10145.D		
Inj Date:	09-Sep-2009 19:42:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48761	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	STD1		
Sample Amount:	2.00 uL	Operator:	MZ

78 Pentachlorophenol, Number: 1, m/z: 266 Type: quant, RT: 11.40

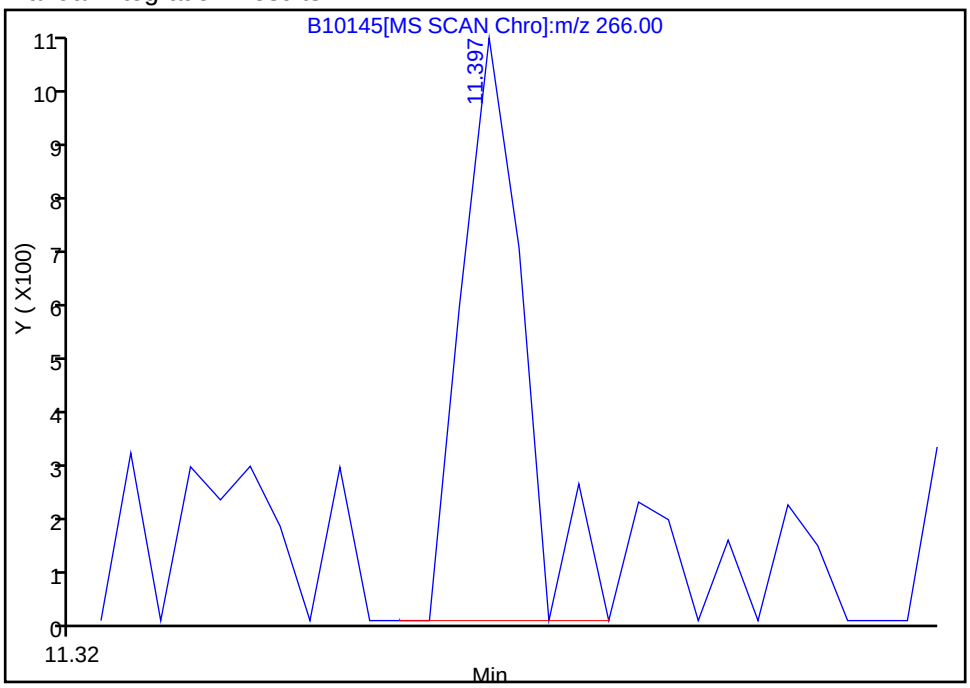
Processing Integration Results

RT: 11.37
Response: 80
Amount: 0.010611



Manual Integration Results

RT: 11.40
Response: 736
Amount: 0.094868



Reviewer: sullivanp, 10-Sep-2009 06:56:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10146.D		
Lims ID:	STD25	Client ID:	
Inject. Date:	09-Sep-2009 20:16:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	STD25		
Misc. Info.:	360-0001120-007		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	7
Lims Batch ID:	48761	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\8270B.m		
Last Update:	10-Sep-2009 06:57:25	Calib Date:	09-Sep-2009 20:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10146.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 10-Sep-2009 06:57:25

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.570	7.574	-0.004	502441	2.00	
* 2 Naphthalene-d8	136	8.705	8.709	-0.004	1111627	2.00	
* 3 Acenaphthene-d10	164	10.215	10.219	-0.004	499440	2.00	
* 4 Phenanthrene-d10	188	11.461	11.460	0.001	798744	2.00	
* 5 Chrysene-d12	240	14.760	14.763	-0.003	594223	2.00	
* 6 Perylene-d12	264	17.183	17.187	-0.004	351957	2.00	
$ 7 2-Fluorophenol	112	6.359	6.362	-0.003	305678	2.30	
$ 8 Phenol-d5	99	7.253	7.257	-0.004	435456	2.43	
$ 9 Nitrobenzene-d5	82	8.090	8.094	-0.004	393187	2.50	
$ 10 2-Fluorobiphenyl	172	9.614	9.613	0.001	817714	2.45	
$ 11 2,4,6-Tribromophenol	330	10.884	10.887	-0.003	50747	2.41	
$ 12 Terphenyl-d14	244	12.942	12.941	0.001	572394	2.53	
14 1,4-Dioxane	88	3.829	3.852	-0.023	131020	2.45	
16 Pyridine	79	4.579	4.588	-0.009	320075	2.29	
15 N-Nitrosodimethylamine	42	4.623	4.636	-0.013	214540	2.29	
17 Benzaldehyde	105	7.186	7.190	-0.004	177405	2.40	
18 Phenol	94	7.263	7.266	-0.003	440131	2.45	
19 Aniline	93	7.311	7.310	0.001	513623	2.54	
20 Bis(2-chloroethyl)ether	93	7.344	7.348	-0.004	368030	2.37	
21 2-Chlorophenol	128	7.412	7.416	-0.004	398003	2.45	
22 1,4-Dichlorobenzene	146	7.542	7.545	-0.003	458939	2.34	
23 1,3-Dichlorobenzene	146	7.590	7.589	0.001	477532	2.31	
24 Benzyl alcohol	79	7.700	7.704	-0.004	299993	2.67	
25 1,2-Dichlorobenzene	146	7.763	7.767	-0.004	439883	2.30	
26 2-Methylphenol	108	7.796	7.800	-0.004	348127	2.51	
27 2,2'-oxybis[1-chloropropane]	45	7.830	7.829	0.001	651762	2.44	
28 3 & 4 Methylphenol	108	7.922	7.925	-0.003	353339	2.52	
30 Acetophenone	105	7.946	7.949	-0.003	523387	2.45	
29 N-Nitrosodi-n-propylamine	70	7.950	7.954	-0.004	255812	2.44	
31 Hexachloroethane	117	8.037	8.041	-0.004	165752	2.43	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.109	8.108	0.001	389514	2.47	
33 Isophorone	82	8.297	8.296	0.001	664791	2.60	
35 2,4-Dimethylphenol	107	8.383	8.382	0.001	320575	2.49	
34 2-Nitrophenol	139	8.388	8.387	0.001	200013	2.53	
36 Benzoic acid	105	8.426	8.440	-0.014	38467	2.32	
37 Bis(2-chloroethoxy)methane	93	8.465	8.464	0.001	405730	2.44	
38 2,4-Dichlorophenol	162	8.580	8.579	0.001	296446	2.60	
39 1,2,4-Trichlorobenzene	180	8.662	8.666	-0.004	360446	2.42	
40 Alpha-Terpineol	59	8.686	8.685	0.001	296116	2.54	
41 Naphthalene	128	8.725	8.728	-0.003	1151753	2.42	
42 4-Chloroaniline	127	8.768	8.772	-0.004	447429	2.61	
43 Hexachlorobutadiene	225	8.859	8.858	0.001	179041	2.42	
44 Caprolactam	55	9.023	9.031	-0.008	152239	2.62	
45 4-Chloro-3-methylphenol	107	9.148	9.147	0.001	296493	2.60	
46 2-Methylnaphthalene	142	9.306	9.305	0.001	734631	2.44	
47 1-Methylnaphthalene	142	9.403	9.406	-0.003	737444	2.41	
49 1,2,4,5-Tetrachlorobenzene	216	9.484	9.483	0.001	307946	2.46	
48 Hexachlorocyclopentadiene	237	9.494	9.493	0.001	87823	2.17	
50 2,4,6-Trichlorophenol	196	9.557	9.560	-0.004	192716	2.56	
51 2,4,5-Trichlorophenol	196	9.590	9.594	-0.004	204466	2.84	
52 1,1'-Biphenyl	154	9.696	9.700	-0.004	901677	2.43	
53 2-Chloronaphthalene	162	9.725	9.729	-0.004	817837	2.52	
54 Phenyl ether	170	9.783	9.781	0.002	485420	2.39	
55 2-Nitroaniline	65	9.821	9.825	-0.004	191593	2.55	
56 Dimethyl phthalate	163	9.960	9.964	-0.004	733222	2.38	
57 2,6-Dinitrotoluene	165	10.037	10.041	-0.004	182942	2.76	
58 Acenaphthylene	152	10.090	10.094	-0.004	1053695	2.59	
59 3-Nitroaniline	138	10.167	10.171	-0.004	181911	2.71	
61 Acenaphthene	153	10.244	10.243	0.001	683995	2.41	
60 2,4-Dinitrophenol	184	10.249	10.253	-0.004	18305	3.17	
62 4-Nitrophenol	109	10.263	10.267	-0.004	69127	2.29	
63 2,4-Dinitrotoluene	165	10.374	10.373	0.001	222906	2.54	
64 Dibenzofuran	168	10.369	10.373	-0.004	906091	2.38	
65 2,3,4,6-Tetrachlorophenol	232	10.499	10.503	-0.004	117867	2.46	
66 Diethyl phthalate	149	10.538	10.541	-0.003	773368	2.41	
67 4-Chlorophenyl phenyl ether	204	10.629	10.633	-0.004	353091	2.46	
69 Fluorene	166	10.663	10.666	-0.003	779861	2.54	
68 4-Nitroaniline	138	10.687	10.690	-0.003	169071	2.49	
70 4,6-Dinitro-2-methylphenol	198	10.715	10.719	-0.004	49409	2.33	
71 Diphenylamine	169	10.730	10.734	-0.004	680079	2.60	
72 N-Nitrosodiphenylamine	169	10.730	10.734	-0.004	680079	2.60	
74 Azobenzene	77	10.764	10.762	0.002	764927	2.70	
73 1,2-Diphenylhydrazine	77	10.764	10.762	0.002	764927	2.70	
13 Benzophenone	105	10.788	10.791	-0.003	599155	2.52	
75 4-Bromophenyl phenyl ether	248	11.042	11.046	-0.004	179566	2.48	
77 Atrazine	200	11.163	11.166	-0.003	192053	2.75	
76 Hexachlorobenzene	284	11.201	11.200	0.001	172019	2.54	
78 Pentachlorophenol	266	11.341	11.341	0.000	21112	2.94	
79 Pentachloronitrobenzene	237	11.398	11.402	-0.004	68743	2.56	
80 Phenanthrene	178	11.480	11.484	-0.004	1047523	2.48	
81 Anthracene	178	11.519	11.522	-0.004	985219	2.58	
83 Carbazole	167	11.639	11.638	0.001	934986	2.55	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.884	11.883	0.001	1202584	2.35	
85 Pyrene	202	12.567	12.566	0.001	926569	2.54	
86 Benzidine	184	12.658	12.662	-0.004	604349	2.38	
87 Fluoranthene	202	12.826	12.830	-0.004	983635	2.53	
89 Butyl benzyl phthalate	149	13.596	13.600	-0.004	445218	2.78	
91 3,3'-Dichlorobenzidine	252	14.644	14.648	-0.004	490573	2.52	
92 Bis(2-ethylhexyl) phthalate	149	14.663	14.662	0.001	536703	2.79	
93 Benzo[a]anthracene	228	14.721	14.725	-0.004	654145	2.57	
94 Chrysene	228	14.817	14.821	-0.004	601934	2.35	
95 Di-n-octyl phthalate	149	15.818	15.821	-0.003	631647	2.31	
97 Benzo[b]fluoranthene	252	16.544	16.552	-0.008	520326	2.58	
98 Benzo[k]fluoranthene	252	16.577	16.586	-0.009	492161	2.54	
99 Benzo[a]pyrene	252	17.082	17.082	0.000	381206	2.68	
100 Indeno[1,2,3-cd]pyrene	276	19.318	19.322	-0.004	270199	2.48	
101 Dibenz(a,h)anthracene	278	19.323	19.332	-0.009	215908	2.42	
102 Benzo[g,h,i]perylene	276	19.953	19.957	-0.004	227432	2.36	

Report Date: 10-Sep-2009 06:57:26 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-4.b\B10146.D

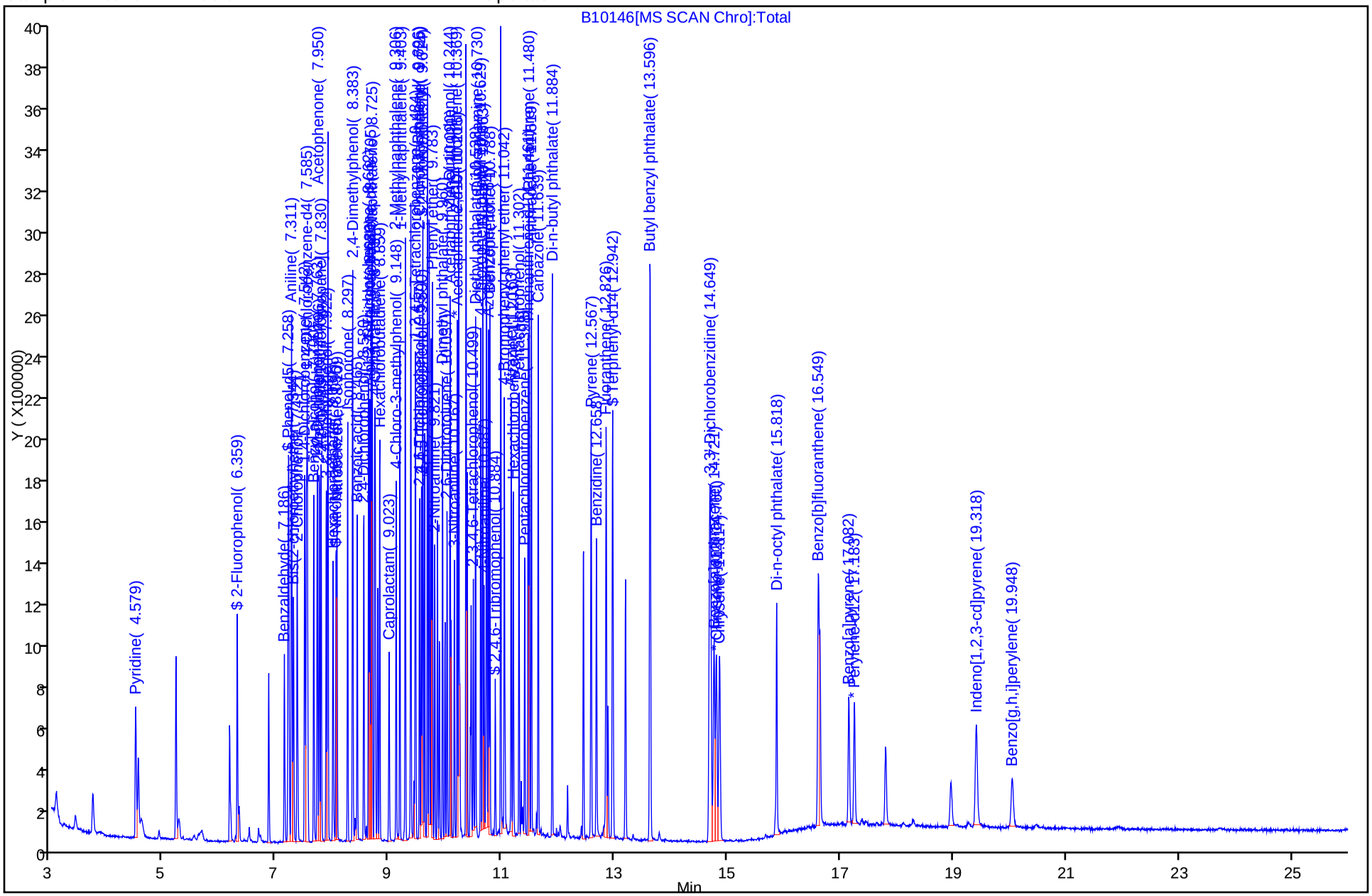
Inj Date: 09-Sep-2009 20:16:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48761 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\20090909-4.b\B10147.D		
Lims ID:	STD8	Client ID:	
Inject. Date:	09-Sep-2009 20:50:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	STD8		
Misc. Info.:	360-0001120-008		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	8
Lims Batch ID:	48761	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\8270B.m		
Last Update:	10-Sep-2009 06:59:37	Calib Date:	09-Sep-2009 20:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10147.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	10-Sep-2009 06:59:37

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.576	7.574	0.002	870675	2.00	
* 2 Naphthalene-d8	136	8.710	8.709	0.001	1583005	2.00	
* 3 Acenaphthene-d10	164	10.220	10.219	0.001	703018	2.00	
* 4 Phenanthrene-d10	188	11.461	11.460	0.001	1220517	2.00	
* 5 Chrysene-d12	240	14.765	14.763	0.002	1022178	2.00	
* 6 Perylene-d12	264	17.184	17.187	-0.003	725577	2.00	
$ 7 2-Fluorophenol	112	6.369	6.362	0.007	1524151	6.79	
$ 8 Phenol-d5	99	7.258	7.257	0.001	2017328	6.67	
$ 9 Nitrobenzene-d5	82	8.095	8.094	0.001	1871714	8.32	
$ 10 2-Fluorobiphenyl	172	9.615	9.613	0.002	3593334	7.68	
$ 11 2,4,6-Tribromophenol	330	10.889	10.887	0.002	337961	8.02	
$ 12 Terphenyl-d14	244	12.942	12.941	0.001	2986103	7.73	
14 1,4-Dioxane	88	3.868	3.852	0.016	596065	6.91	
16 Pyridine	79	4.599	4.588	0.011	1558220	6.62	
15 N-Nitrosodimethylamine	42	4.642	4.636	0.006	1033854	6.56	
17 Benzaldehyde	105	7.191	7.190	0.001	796600	6.41	
18 Phenol	94	7.268	7.266	0.002	2058341	6.78	
19 Aniline	93	7.316	7.310	0.006	2476251	7.19	
20 Bis(2-chloroethyl)ether	93	7.350	7.348	0.002	1631044	6.27	
21 2-Chlorophenol	128	7.417	7.416	0.001	1830150	6.68	
22 1,4-Dichlorobenzene	146	7.547	7.545	0.002	2085123	6.35	
23 1,3-Dichlorobenzene	146	7.590	7.589	0.001	2152059	6.24	
24 Benzyl alcohol	79	7.705	7.704	0.001	1458843	7.55	
25 1,2-Dichlorobenzene	146	7.763	7.767	-0.004	1992197	6.24	
26 2-Methylphenol	108	7.802	7.800	0.002	1601696	6.84	
27 2,2'-oxybis[1-chloropropane]	45	7.830	7.829	0.001	2839410	6.35	
28 3 & 4 Methylphenol	108	7.927	7.925	0.002	1695192	7.11	
30 Acetophenone	105	7.951	7.949	0.002	2367921	6.58	
29 N-Nitrosodi-n-propylamine	70	7.956	7.954	0.002	1244972	6.99	
31 Hexachloroethane	117	8.042	8.041	0.001	774639	6.74	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.114	8.108	0.006	1834818	8.13	
33 Isophorone	82	8.302	8.296	0.006	3116168	8.47	
35 2,4-Dimethylphenol	107	8.383	8.382	0.001	1563920	8.46	
34 2-Nitrophenol	139	8.388	8.387	0.001	1033437	8.81	
36 Benzoic acid	105	8.460	8.440	0.020	640359	21.5	
37 Bis(2-chloroethoxy)methane	93	8.465	8.464	0.001	1871308	7.92	
38 2,4-Dichlorophenol	162	8.581	8.579	0.002	1465137	8.87	
39 1,2,4-Trichlorobenzene	180	8.667	8.666	0.001	1657483	7.85	
40 Alpha-Terpineol	59	8.686	8.685	0.001	1491104	8.82	
41 Naphthalene	128	8.730	8.728	0.002	4840565	7.25	
42 4-Chloroaniline	127	8.773	8.772	0.001	2158538	8.72	
43 Hexachlorobutadiene	225	8.860	8.858	0.002	822846	7.82	
44 Caprolactam	55	9.047	9.031	0.016	783709	8.40	
45 4-Chloro-3-methylphenol	107	9.153	9.147	0.006	1474085	8.91	
46 2-Methylnaphthalene	142	9.307	9.305	0.002	3303303	7.73	
47 1-Methylnaphthalene	142	9.403	9.406	-0.003	3423405	7.87	
49 1,2,4,5-Tetrachlorobenzene	216	9.485	9.483	0.002	1449853	8.10	
48 Hexachlorocyclopentadiene	237	9.490	9.493	-0.003	602400	8.00	
50 2,4,6-Trichlorophenol	196	9.557	9.560	-0.003	993455	8.97	
51 2,4,5-Trichlorophenol	196	9.595	9.594	0.001	1052625	9.10	
52 1,1'-Biphenyl	154	9.701	9.700	0.001	4102120	7.88	
53 2-Chloronaphthalene	162	9.730	9.729	0.001	3682820	8.04	
54 Phenyl ether	170	9.783	9.781	0.002	2274273	7.89	
55 2-Nitroaniline	65	9.826	9.825	0.001	966552	8.80	
56 Dimethyl phthalate	163	9.966	9.964	0.002	3503624	8.08	
57 2,6-Dinitrotoluene	165	10.043	10.041	0.002	901876	9.37	
58 Acenaphthylene	152	10.095	10.094	0.001	4780663	8.30	
59 3-Nitroaniline	138	10.172	10.171	0.001	907333	9.34	
61 Acenaphthene	153	10.244	10.243	0.001	3288058	8.19	
60 2,4-Dinitrophenol	184	10.254	10.253	0.001	331490	22.4	
62 4-Nitrophenol	109	10.269	10.267	0.002	441738	8.00	
63 2,4-Dinitrotoluene	165	10.374	10.373	0.001	1196905	9.14	
64 Dibenzofuran	168	10.374	10.373	0.001	4334994	8.09	
65 2,3,4,6-Tetrachlorophenol	232	10.504	10.503	0.001	716742	8.63	
66 Diethyl phthalate	149	10.543	10.541	0.002	3593287	7.95	
67 4-Chlorophenyl phenyl ether	204	10.634	10.633	0.001	1683009	8.27	
69 Fluorene	166	10.668	10.666	0.002	3684706	8.45	
68 4-Nitroaniline	138	10.697	10.690	0.007	895244	8.96	
70 4,6-Dinitro-2-methylphenol	198	10.721	10.719	0.002	494113	8.04	5
71 Diphenylamine	169	10.735	10.734	0.001	3184405	7.97	
72 N-Nitrosodiphenylamine	169	10.735	10.734	0.001	3184405	7.97	
74 Azobenzene	77	10.764	10.762	0.002	3566542	8.22	
73 1,2-Diphenylhydrazine	77	10.764	10.762	0.002	3566542	8.22	
13 Benzophenone	105	10.793	10.791	0.002	2978993	8.17	
75 4-Bromophenyl phenyl ether	248	11.048	11.046	0.002	899170	8.10	
77 Atrazine	200	11.168	11.166	0.002	903291	8.40	
76 Hexachlorobenzene	284	11.201	11.200	0.001	828659	8.00	
78 Pentachlorophenol	266	11.341	11.402	-0.061	404018	25.3	
79 Pentachloronitrobenzene	237	11.403	11.402	0.001	354054	8.41	
80 Phenanthrene	178	11.485	11.484	0.001	4858846	7.60	
81 Anthracene	178	11.524	11.522	0.002	4870081	8.29	
83 Carbazole	167	11.639	11.638	0.001	4225140	7.61	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.884	11.883	0.001	5327379	6.97	
85 Pyrene	202	12.567	12.566	0.001	4684675	7.53	
86 Benzidine	184	12.663	12.662	0.001	4289135	8.02	
87 Fluoranthene	202	12.832	12.830	0.002	4980543	8.32	
89 Butyl benzyl phthalate	149	13.601	13.600	0.001	2486220	8.86	
91 3,3'-Dichlorobenzidine	252	14.654	14.648	0.006	3035466	8.70	
92 Bis(2-ethylhexyl) phthalate	149	14.664	14.662	0.002	3283206	9.59	
93 Benzo[a]anthracene	228	14.731	14.725	0.006	3837096	8.65	
94 Chrysene	228	14.827	14.821	0.006	3671490	8.29	
95 Di-n-octyl phthalate	149	15.823	15.821	0.002	4674559	8.12	
97 Benzo[b]fluoranthene	252	16.554	16.552	0.002	3726382	8.81	
98 Benzo[k]fluoranthene	252	16.587	16.586	0.001	3203196	8.03	
99 Benzo[a]pyrene	252	17.092	17.087	0.005	2812770	9.32	
100 Indeno[1,2,3-cd]pyrene	276	19.333	19.322	0.011	2468616	10.4	
101 Dibenz(a,h)anthracene	278	19.338	19.332	0.006	2026086	8.03	
102 Benzo[g,h,i]perylene	276	19.963	19.957	0.006	1943819	9.48	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 10-Sep-2009 06:59:37 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-4.b\B10147.D

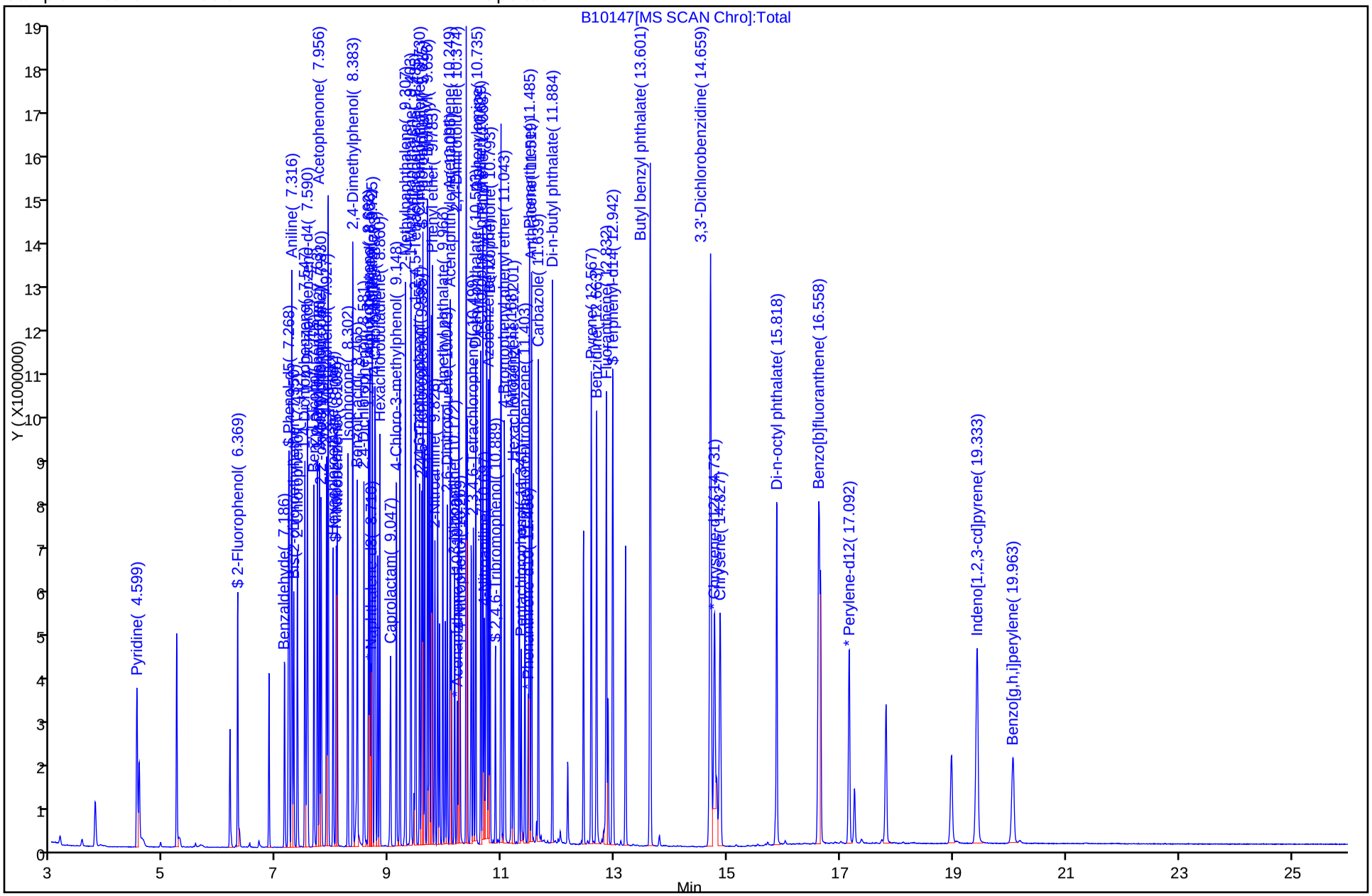
Inj Date: 09-Sep-2009 20:50:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48761 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: STD8

Sample Amount: 2.00 uL Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

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Inject. Date:	09-Sep-2009 21:24:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	STD10		
Misc. Info.:	360-0001120-009		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	9
Lims Batch ID:	48761	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\8270B.m		
Last Update:	10-Sep-2009 07:01:43	Calib Date:	09-Sep-2009 21:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10148.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 10-Sep-2009 07:01:42

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.576	7.574	0.002	961489	2.00	
* 2 Naphthalene-d8	136	8.711	8.709	0.001	1751309	2.00	
* 3 Acenaphthene-d10	164	10.220	10.219	0.001	742285	2.00	
* 4 Phenanthrene-d10	188	11.466	11.460	0.006	1245524	2.00	
* 5 Chrysene-d12	240	14.770	14.763	0.007	1046069	2.00	
* 6 Perylene-d12	264	17.184	17.187	-0.003	713261	2.00	
$ 7 2-Fluorophenol	112	6.369	6.362	0.007	2099571	8.63	
$ 8 Phenol-d5	99	7.258	7.257	0.001	2624034	8.07	
$ 9 Nitrobenzene-d5	82	8.100	8.094	0.006	2459940	9.89	
$ 10 2-Fluorobiphenyl	172	9.615	9.613	0.002	4818984	9.79	
$ 11 2,4,6-Tribromophenol	330	10.889	10.887	0.002	451668	10.4	
$ 12 Terphenyl-d14	244	12.942	12.941	0.001	3927125	9.94	
14 1,4-Dioxane	88	3.878	3.852	0.026	782446	9.32	
16 Pyridine	79	4.609	4.588	0.021	2065524	8.16	
15 N-Nitrosodimethylamine	42	4.647	4.636	0.011	1369199	8.09	
17 Benzaldehyde	105	7.191	7.190	0.001	1059350	7.95	
18 Phenol	94	7.273	7.266	0.007	2712330	8.29	
19 Aniline	93	7.316	7.310	0.006	3230983	8.66	
20 Bis(2-chloroethyl)ether	93	7.354	7.348	0.006	2138556	7.69	
21 2-Chlorophenol	128	7.417	7.416	0.001	2374197	8.06	
22 1,4-Dichlorobenzene	146	7.547	7.545	0.002	2748173	7.81	
23 1,3-Dichlorobenzene	146	7.590	7.589	0.001	2851520	7.73	
24 Benzyl alcohol	79	7.705	7.704	0.001	1883809	8.96	
25 1,2-Dichlorobenzene	146	7.768	7.767	0.001	2606887	9.59	
26 2-Methylphenol	108	7.806	7.800	0.006	2137270	8.44	
27 2,2'-oxybis[1-chloropropane]	45	7.830	7.829	0.001	3592349	7.54	
28 3 & 4 Methylphenol	108	7.927	7.925	0.002	2194038	8.51	
30 Acetophenone	105	7.951	7.949	0.002	3157707	8.15	
29 N-Nitrosodi-n-propylamine	70	7.960	7.954	0.006	1644200	8.54	
31 Hexachloroethane	117	8.042	8.041	0.001	1020728	8.24	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.114	8.108	0.006	2387322	9.62	
33 Isophorone	82	8.302	8.296	0.006	3998950	9.85	
35 2,4-Dimethylphenol	107	8.384	8.382	0.002	2061575	10.1	
34 2-Nitrophenol	139	8.388	8.387	0.001	1406490	10.7	
36 Benzoic acid	105	8.470	8.440	0.030	1027241	9.88	
37 Bis(2-chloroethoxy)methane	93	8.470	8.464	0.006	2394891	9.26	
38 2,4-Dichlorophenol	162	8.581	8.579	0.002	1943236	10.6	
39 1,2,4-Trichlorobenzene	180	8.667	8.666	0.001	2175435	9.39	
40 Alpha-Terpineol	59	8.686	8.685	0.001	1927674	10.3	
41 Naphthalene	128	8.730	8.728	0.002	6130097	8.48	
42 4-Chloroaniline	127	8.773	8.772	0.001	2881878	10.5	
43 Hexachlorobutadiene	225	8.860	8.858	0.002	1073850	9.32	
44 Caprolactam	55	9.057	9.031	0.026	1043464	10.7	
45 4-Chloro-3-methylphenol	107	9.153	9.147	0.006	1929508	10.5	
46 2-Methylnaphthalene	142	9.307	9.305	0.002	4348407	9.29	
47 1-Methylnaphthalene	142	9.408	9.406	0.002	4408286	9.26	
49 1,2,4,5-Tetrachlorobenzene	216	9.485	9.483	0.002	1844624	9.40	
48 Hexachlorocyclopentadiene	237	9.490	9.493	-0.003	860569	9.96	
50 2,4,6-Trichlorophenol	196	9.562	9.560	0.002	1314354	11.0	
51 2,4,5-Trichlorophenol	196	9.595	9.594	0.001	1383280	11.1	
52 1,1'-Biphenyl	154	9.701	9.700	0.001	5197271	9.52	
53 2-Chloronaphthalene	162	9.730	9.729	0.001	4784864	9.91	
54 Phenyl ether	170	9.783	9.781	0.002	2993778	9.46	
55 2-Nitroaniline	65	9.826	9.825	0.001	1275998	10.8	
56 Dimethyl phthalate	163	9.966	9.964	0.002	4524586	9.90	
57 2,6-Dinitrotoluene	165	10.047	10.041	0.006	1187845	11.5	
58 Acenaphthylene	152	10.095	10.094	0.001	6016895	9.90	
59 3-Nitroaniline	138	10.172	10.171	0.001	1235738	11.8	
61 Acenaphthene	153	10.249	10.243	0.006	4211184	9.94	
60 2,4-Dinitrophenol	184	10.254	10.253	0.001	482247	22.9	
62 4-Nitrophenol	109	10.273	10.267	0.006	613447	10.4	
63 2,4-Dinitrotoluene	165	10.379	10.373	0.006	1501423	10.7	
64 Dibenzofuran	168	10.374	10.373	0.001	5453415	9.68	
65 2,3,4,6-Tetrachlorophenol	232	10.504	10.503	0.001	967471	10.5	
66 Diethyl phthalate	149	10.543	10.541	0.002	4645725	9.77	
67 4-Chlorophenyl phenyl ether	204	10.634	10.633	0.001	2210564	10.3	
69 Fluorene	166	10.668	10.666	0.002	4730344	10.2	
68 4-Nitroaniline	138	10.697	10.690	0.007	1170466	10.9	
70 4,6-Dinitro-2-methylphenol	198	10.725	10.719	0.006	716524	9.93	
71 Diphenylamine	169	10.735	10.734	0.001	4006223	9.85	
72 N-Nitrosodiphenylamine	169	10.735	10.734	0.001	4006223	9.85	
74 Azobenzene	77	10.769	10.762	0.007	4407644	9.96	
73 1,2-Diphenylhydrazine	77	10.769	10.762	0.007	4407644	9.96	
13 Benzophenone	105	10.793	10.791	0.002	3609562	9.74	
75 4-Bromophenyl phenyl ether	248	11.048	11.046	0.002	1181239	10.4	
77 Atrazine	200	11.173	11.166	0.007	1208971	10.9	
76 Hexachlorobenzene	284	11.201	11.200	0.001	1103153	10.4	
78 Pentachlorophenol	266	11.341	11.341	0.000	573342	25.9	
79 Pentachloronitrobenzene	237	11.403	11.402	0.001	475714	10.9	
80 Phenanthrene	178	11.485	11.484	0.001	6068607	9.38	
81 Anthracene	178	11.524	11.522	0.002	5995344	10.0	
83 Carbazole	167	11.644	11.638	0.006	5278322	9.40	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.884	11.883	0.001	6419398	8.42	
85 Pyrene	202	12.572	12.566	0.006	6010495	9.50	
86 Benzidine	184	12.663	12.662	0.001	5853225	9.94	
87 Fluoranthene	202	12.836	12.830	0.006	6416373	10.4	
89 Butyl benzyl phthalate	149	13.601	13.600	0.001	3276146	11.2	
91 3,3'-Dichlorobenzidine	252	14.659	14.648	0.011	4131485	11.2	
92 Bis(2-ethylhexyl) phthalate	149	14.669	14.662	0.007	4356391	12.1	
93 Benzo[a]anthracene	228	14.731	14.725	0.006	5043085	11.0	
94 Chrysene	228	14.832	14.821	0.011	4747717	10.4	
95 Di-n-octyl phthalate	149	15.823	15.821	0.002	6040978	10.4	
97 Benzo[b]fluoranthene	252	16.554	16.552	0.002	4425978	10.6	
98 Benzo[k]fluoranthene	252	16.592	16.586	0.006	4401823	11.1	
99 Benzo[a]pyrene	252	17.092	17.087	0.005	3568051	11.7	
100 Indeno[1,2,3-cd]pyrene	276	19.333	19.322	0.011	2866627	10.0	
101 Dibenz(a,h)anthracene	278	19.343	19.332	0.011	2379383	9.77	
102 Benzo[g,h,i]perylene	276	19.968	19.957	0.011	2290227	11.2	

Report Date: 10-Sep-2009 07:01:44 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-4.b\B10148.D

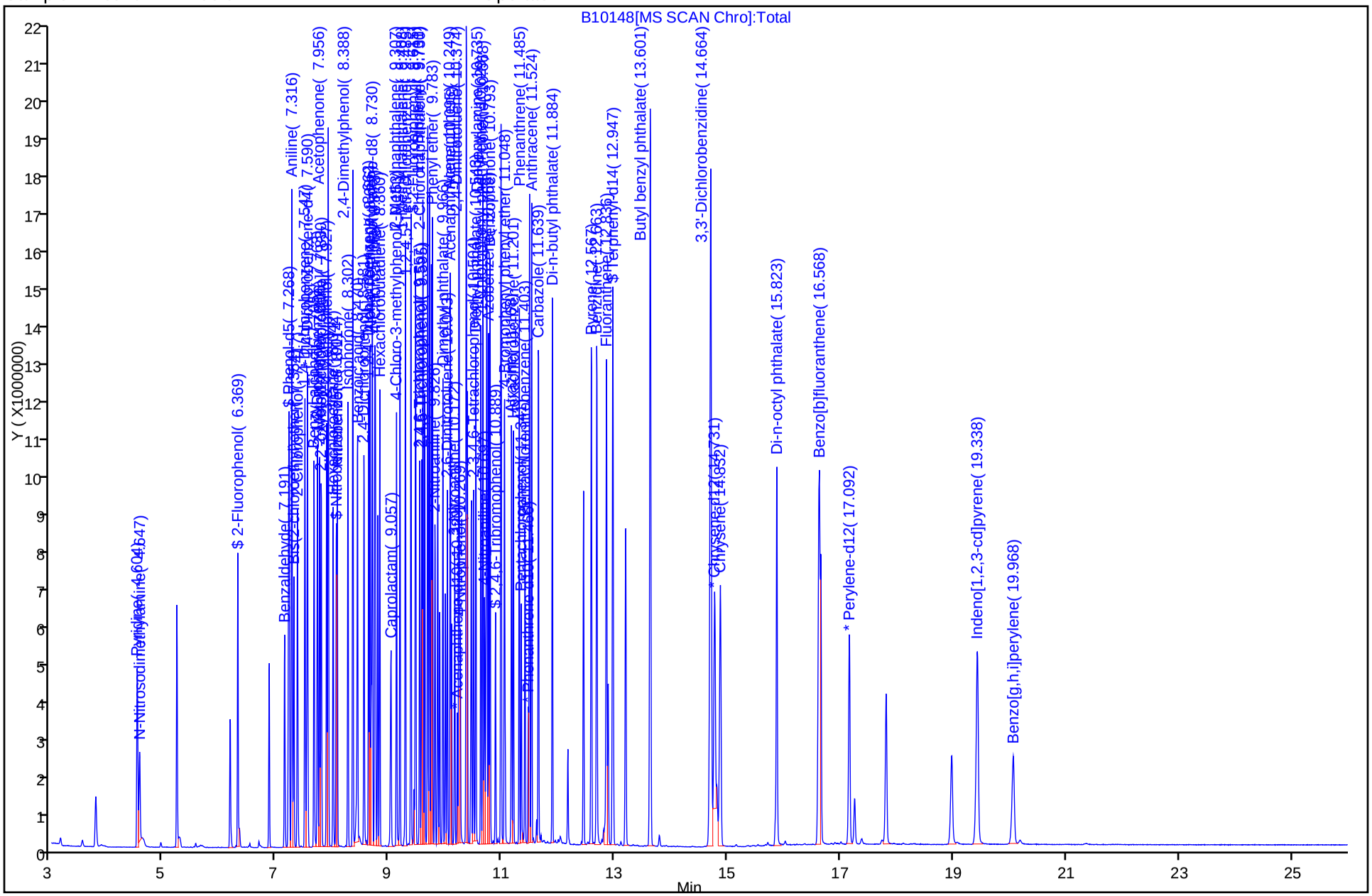
Inj Date: 09-Sep-2009 21:24:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48761 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: STD10

Sample Amount: 2.00 uL Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10149.D		
Lims ID:	STD20	Client ID:	
Inject. Date:	09-Sep-2009 21:58:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	STD20		
Misc. Info.:	360-0001120-010		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	10
Lims Batch ID:	48761	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\8270B.m		
Last Update:	10-Sep-2009 07:21:31	Calib Date:	09-Sep-2009 21:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10149.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	10-Sep-2009 07:03:48
Reviewed By:	sullivanp	Date:	10-Sep-2009 07:21:31

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.590	7.590	0.000	1128750	2.00	M
* 2 Naphthalene-d8	136	8.710	8.709	0.001	1576284	2.00	
* 3 Acenaphthene-d10	164	10.220	10.219	0.001	619292	2.00	
* 4 Phenanthrene-d10	188	11.466	11.460	0.006	999582	2.00	
* 5 Chrysene-d12	240	14.774	14.763	0.011	748189	2.00	
* 6 Perylene-d12	264	17.188	17.187	0.001	441209	2.00	
$ 7 2-Fluorophenol	112	6.368	6.362	0.006	3371151	11.8	
$ 8 Phenol-d5	99	7.268	7.257	0.011	4554543	11.9	
$ 9 Nitrobenzene-d5	82	8.099	8.094	0.005	4126357	18.6	
$ 10 2-Fluorobiphenyl	172	9.619	9.613	0.006	6834767	17.0	
$ 11 2,4,6-Tribromophenol	330	10.893	10.887	0.006	794682	20.6	
$ 12 Terphenyl-d14	244	12.947	12.941	0.006	5765044	20.4	
14 1,4-Dioxane	88	3.853	3.852	0.001	1272716	13.0	
16 Pyridine	79	4.589	4.588	0.001	3336957	11.2	
15 N-Nitrosodimethylamine	42	4.642	4.636	0.006	2209969	11.1	
17 Benzaldehyde	105	7.191	7.190	0.001	1745258	11.2	
18 Phenol	94	7.277	7.266	0.011	4536348	11.8	
19 Aniline	93	7.316	7.310	0.006	5243574	12.0	
20 Bis(2-chloroethyl)ether	93	7.354	7.348	0.006	3625241	11.1	
21 2-Chlorophenol	128	7.417	7.416	0.001	4135809	12.0	
22 1,4-Dichlorobenzene	146	7.546	7.545	0.001	4408343	10.7	
23 1,3-Dichlorobenzene	146	7.595	7.589	0.006	4743212	10.9	
24 Benzyl alcohol	79	7.710	7.704	0.006	3272402	13.8	
25 1,2-Dichlorobenzene	146	7.768	7.767	0.001	4357047	NaN	5
26 2-Methylphenol	108	7.806	7.800	0.006	3629552	12.2	
27 2,2'-oxybis[1-chloropropane]	45	7.835	7.829	0.006	5829188	10.4	
28 3 & 4 Methylphenol	108	7.931	7.925	0.006	3769184	12.5	
30 Acetophenone	105	7.955	7.949	0.006	4939997	10.9	
29 N-Nitrosodi-n-propylamine	70	7.965	7.954	0.011	2699009	11.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	8.042	8.041	0.001	1771170	12.2	
32 Nitrobenzene	77	8.119	8.108	0.011	3951511	17.9	
33 Isophorone	82	8.306	8.296	0.010	6297360	17.5	
35 2,4-Dimethylphenol	107	8.388	8.382	0.006	3347607	18.3	
34 2-Nitrophenol	139	8.393	8.387	0.006	2282980	19.3	
36 Benzoic acid	105	8.489	8.440	0.049	2141855	19.9	
37 Bis(2-chloroethoxy)methane	93	8.470	8.464	0.006	4021307	17.5	
38 2,4-Dichlorophenol	162	8.585	8.579	0.006	3274670	19.8	
39 1,2,4-Trichlorobenzene	180	8.667	8.666	0.001	3546603	17.3	
40 Alpha-Terpineol	59	8.691	8.685	0.006	3181838	19.0	
41 Naphthalene	128	8.729	8.728	0.001	8225679	13.2	
42 4-Chloroaniline	127	8.778	8.772	0.006	4505975	18.3	
43 Hexachlorobutadiene	225	8.859	8.858	0.001	1819147	17.8	
44 Caprolactam	55	9.071	9.031	0.040	1732060	19.8	
45 4-Chloro-3-methylphenol	107	9.157	9.147	0.010	3223720	19.5	
46 2-Methylnaphthalene	142	9.311	9.305	0.006	6483602	15.8	
47 1-Methylnaphthalene	142	9.407	9.406	0.001	6479883	15.5	
49 1,2,4,5-Tetrachlorobenzene	216	9.489	9.483	0.006	2992887	17.2	
48 Hexachlorocyclopentadiene	237	9.494	9.493	0.001	1320925	19.7	
50 2,4,6-Trichlorophenol	196	9.561	9.560	0.001	2188728	21.6	
51 2,4,5-Trichlorophenol	196	9.600	9.594	0.006	2348259	22.0	
52 1,1'-Biphenyl	154	9.706	9.700	0.006	7104724	16.0	
53 2-Chloronaphthalene	162	9.734	9.729	0.005	6802167	17.2	
54 Phenyl ether	170	9.787	9.781	0.006	4654218	16.7	
55 2-Nitroaniline	65	9.831	9.825	0.006	2129372	21.3	
56 Dimethyl phthalate	163	9.970	9.964	0.006	6752676	17.9	
57 2,6-Dinitrotoluene	165	10.047	10.041	0.006	1932180	22.0	
58 Acenaphthylene	152	10.100	10.094	0.006	8172002	16.5	
59 3-Nitroaniline	138	10.182	10.171	0.011	2022534	22.7	
61 Acenaphthene	153	10.249	10.243	0.006	6130660	17.6	
60 2,4-Dinitrophenol	184	10.259	10.253	0.006	812469	19.8	
62 4-Nitrophenol	109	10.278	10.267	0.011	1015448	20.1	
63 2,4-Dinitrotoluene	165	10.384	10.373	0.011	2430979	20.6	
64 Dibenzofuran	168	10.379	10.373	0.006	7516048	16.4	
65 2,3,4,6-Tetrachlorophenol	232	10.509	10.503	0.006	1665870	20.8	
66 Diethyl phthalate	149	10.547	10.541	0.006	6607838	17.0	
67 4-Chlorophenyl phenyl ether	204	10.634	10.633	0.001	3454874	19.3	
69 Fluorene	166	10.672	10.666	0.006	6565401	17.3	
68 4-Nitroaniline	138	10.706	10.690	0.016	1865150	20.6	
70 4,6-Dinitro-2-methylphenol	198	10.730	10.719	0.011	1151649	19.8	
71 Diphenylamine	169	10.740	10.734	0.006	5963530	18.5	
72 N-Nitrosodiphenylamine	169	10.740	10.734	0.006	5963530	18.5	
74 Azobenzene	77	10.768	10.762	0.006	6489874	18.4	
73 1,2-Diphenylhydrazine	77	10.768	10.762	0.006	6489874	18.4	
13 Benzophenone	105	10.797	10.791	0.006	5582434	18.9	
75 4-Bromophenyl phenyl ether	248	11.047	11.046	0.001	1909407	20.8	
77 Atrazine	200	11.177	11.166	0.011	1937642	21.5	
76 Hexachlorobenzene	284	11.206	11.200	0.006	1755033	20.5	
78 Pentachlorophenol	266	11.345	11.341	0.004	1015410	20.1	
79 Pentachloronitrobenzene	237	11.408	11.402	0.006	764036	21.4	
80 Phenanthrene	178	11.490	11.484	0.006	8115764	16.0	
81 Anthracene	178	11.528	11.522	0.006	7958544	16.9	

Report Date: 10-Sep-2009 07:21:32 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\INSTB.i\20090909-4.b\B10149.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.644	11.638	0.006	7232935	16.4	
84 Di-n-butyl phthalate	149	11.889	11.883	0.006	8327412	13.6	
85 Pyrene	202	12.572	12.566	0.006	8309000	18.5	
86 Benzidine	184	12.673	12.658	0.015	9014017	19.9	
87 Fluoranthene	202	12.841	12.830	0.011	8995239	18.4	
89 Butyl benzyl phthalate	149	13.606	13.600	0.006	4688957	22.1	
91 3,3'-Dichlorobenzidine	252	14.668	14.648	0.020	5859467	21.8	
92 Bis(2-ethylhexyl) phthalate	149	14.673	14.662	0.011	5846085	22.3	
93 Benzo[a]anthracene	228	14.736	14.725	0.011	7159626	21.5	
94 Chrysene	228	14.837	14.821	0.016	6578882	20.2	
95 Di-n-octyl phthalate	149	15.822	15.821	0.001	7568957	20.5	
97 Benzo[b]fluoranthene	252	16.558	16.552	0.006	5646953	21.6	
98 Benzo[k]fluoranthene	252	16.597	16.586	0.011	5215130	21.0	
99 Benzo[a]pyrene	252	17.097	17.087	0.010	4535414	23.6	
100 Indeno[1,2,3-cd]pyrene	276	19.342	19.322	0.020	3384852	19.9	
101 Dibenz(a,h)anthracene	278	19.347	19.332	0.015	2810138	20.0	
102 Benzo[g,h,i]perylene	276	19.972	19.957	0.015	2572794	20.3	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 10-Sep-2009 07:21:32 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-4.b\B10149.D

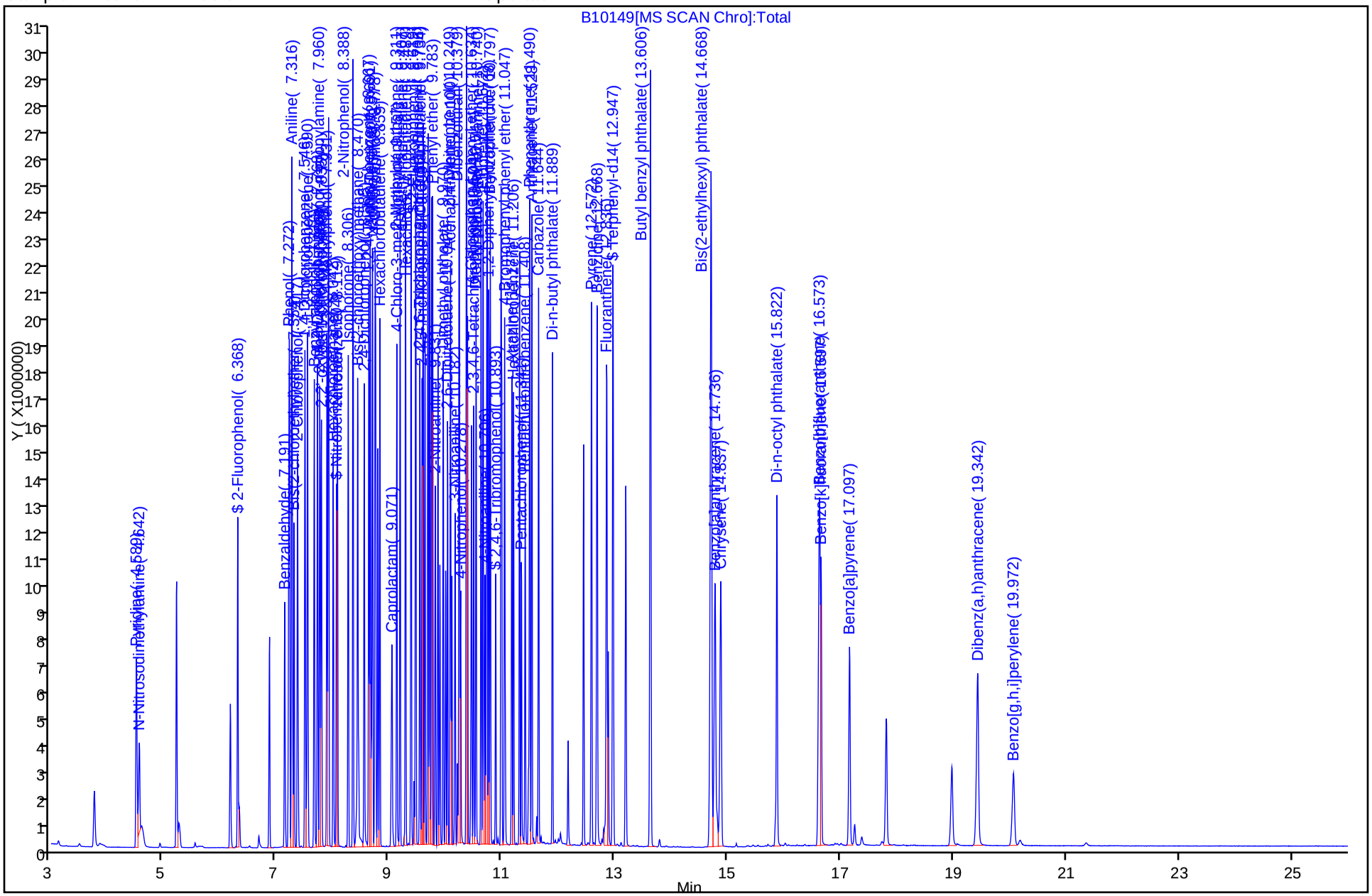
Inj Date: 09-Sep-2009 21:58:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48761 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: STD20

Sample Amount: 2.00 uL Operator: MZ



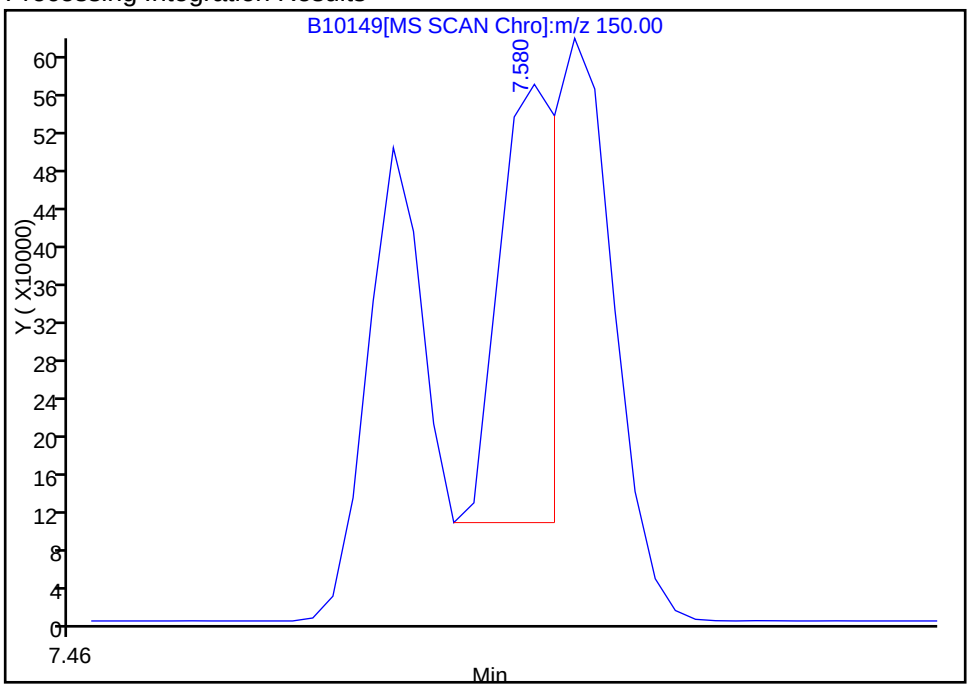
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10149.D		
Inj Date:	09-Sep-2009 21:58:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48761	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	STD20		
Sample Amount:	2.00 uL	Operator:	MZ

* 1 1,4-Dichlorobenzene-d4, Number: 1, m/z: 150 Type: quant, RT: 7.59

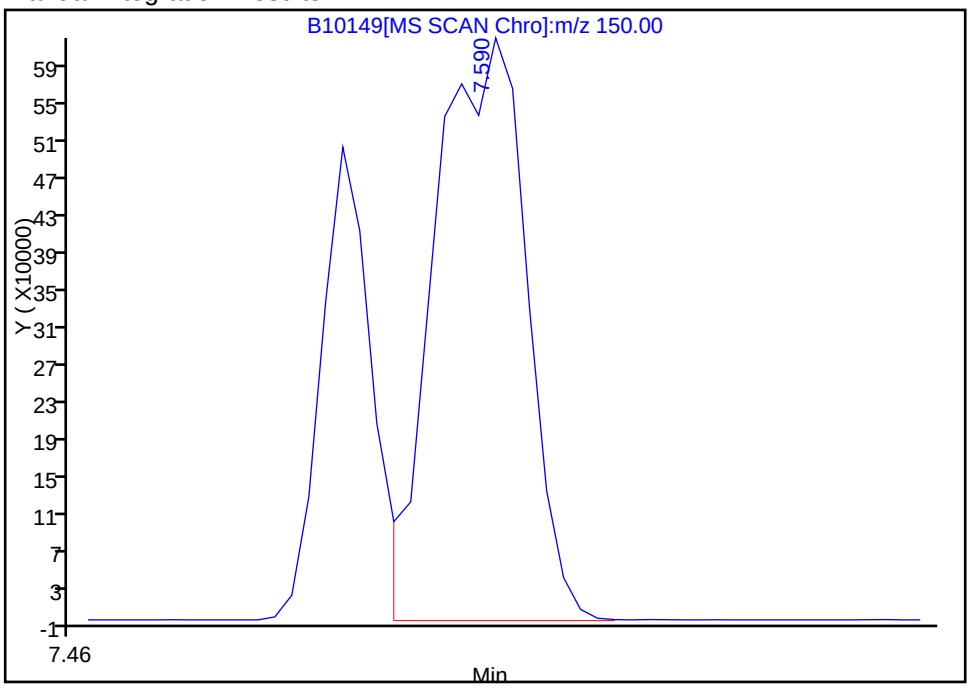
Processing Integration Results

RT: 7.58
Response: 453088
Amount: 2.000000



Manual Integration Results

RT: 7.59
Response: 1128750
Amount: 2.000000



Reviewer: sullivanp, 10-Sep-2009 07:03:48
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab Sample ID: CCV 360-48213/2 Calibration Date: 08/28/2009 11:18

Instrument ID: Inst. B Calib Start Date: 08/27/2009 09:11

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 08/27/2009 13:43

Lab File ID: B9885.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.2450		5220	5000	4.3	30.0
N-Nitrosodimethylamine	Ave	0.3528	0.3586		5080	5000	1.6	30.0
Pyridine	Lin1		0.5693		5360	5000	7.3	30.0
Benzaldehyde	Ave	0.7664	0.7963		5200	5000	3.9	30.0
Phenol	Ave	0.7664	0.7963		5200	5000	3.9	20.0
Aniline	Ave	0.8532	0.9867		5780	5000	15.6	30.0
Bis(2-chloroethyl)ether	Qua		0.6798		5600	5000	12.0	30.0
2-Chlorophenol	Ave	0.6177	0.6674		5400	5000	8.0	30.0
1,4-Dichlorobenzene	Lin1		0.7289		5370	5000	7.5	20.0
1,3-Dichlorobenzene	Lin1		0.7527		5360	5000	7.3	30.0
2-Methylphenol	Ave	0.3530	0.4100		5810	5000	16.1	30.0
Benzyl alcohol	Ave	0.4448	0.5143		5780	5000	15.6	30.0
1,2-Dichlorobenzene	Ave	0.7498	0.7083		4720	5000	-5.5	30.0
3 & 4 Methylphenol	Ave	0.5658	0.5664		5010	5000	0.1	30.0
2,2'-oxybis[1-chloropropane]	Lin1		1.080		5870	5000	17.5	30.0
N-Nitrosodi-n-propylamine	Ave	0.4011	0.4619	0.0500	5760	5000	15.2	30.0
Acetophenone	Ave	0.8448	0.8788		5200	5000	4.0	30.0
Hexachloroethane	Ave	0.2654	0.2716		5120	5000	2.3	30.0
Nitrobenzene	Ave	0.2699	0.3207		5940	5000	18.8	30.0
Isophorone	Ave	0.4948	0.5771		5830	5000	16.6	30.0
2,4-Dimethylphenol	Ave	0.2333	0.1721		3690	5000	-26.2	30.0
2-Nitrophenol	Lin1		0.1563		5540	5000	10.8	20.0
Benzoic acid	Qua		0.0706		6610	5000	32.2*	30.0
Bis(2-chloroethoxy)methane	Ave	0.3424	0.3602		5260	5000	5.2	30.0
2,4-Dichlorophenol	Lin2		0.2375		5370	5000	7.5	20.0
1,2,4-Trichlorobenzene	Ave	0.2852	0.2810		4930	5000	-1.5	30.0
Alpha-Terpineol	Ave	0.2287	0.2639		5770	5000	15.4	30.0
Naphthalene	Ave	0.9640	0.9630		4990	5000	-0.1	30.0
4-Chloroaniline	Ave	0.4424	0.4760		5380	5000	7.6	30.0
Hexachlorobutadiene	Ave	0.1409	0.1399		4970	5000	-0.7	20.0
Caprolactam	Lin1		0.1416		5760	5000	15.1	30.0
4-Chloro-3-methylphenol	Lin2		0.2515		5560	5000	11.3	20.0
2-Methylnaphthalene	Ave	0.5724	0.5848		5110	5000	2.2	30.0
1-Methylnaphthalene	Ave	0.5896	0.5994		5080	5000	1.7	30.0
Hexachlorocyclopentadiene	Lin		0.1898	0.0500	5010	5000	0.3	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2516	0.2489		4950	5000	-1.1	30.0
2,4,6-Trichlorophenol	Lin1		0.3394		5100	5000	2.0	20.0
2,4,5-Trichlorophenol	Lin1		0.3513		5050	5000	1.0	30.0
1,1'-Biphenyl	Ave	1.479	1.488		5030	5000	0.6	30.0
2-Chloronaphthalene	Ave	1.363	1.379		5060	5000	1.2	30.0
Phenyl ether	Ave	0.3972	0.4065		5120	5000	2.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab Sample ID: CCV 360-48213/2 Calibration Date: 08/28/2009 11:18

Instrument ID: Inst. B Calib Start Date: 08/27/2009 09:11

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 08/27/2009 13:43

Lab File ID: B9885.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Lin1		0.3376		5600	5000	11.9	30.0
Dimethyl phthalate	Ave	1.175	1.311		5580	5000	11.6	30.0
2,6-Dinitrotoluene	Lin1		0.3071		5310	5000	6.2	30.0
Acenaphthylene	Ave	1.652	1.803		5460	5000	9.1	30.0
3-Nitroaniline	Lin1		0.2876		5390	5000	7.8	30.0
2,4-Dinitrophenol	Lin		0.0562	0.0500	5950	5000	18.9	30.0
4-Nitrophenol	Lin1		0.1372	0.0500	5360	5000	7.1	30.0
Acenaphthene	Ave	1.199	1.196		4990	5000	-0.3	20.0
2,4-Dinitrotoluene	Lin1		0.3771		5400	5000	8.0	30.0
Dibenzofuran	Ave	1.569	1.593		5080	5000	1.5	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2521		4900	5000	-2.1	30.0
Diethyl phthalate	Ave	1.139	1.294		5680	5000	13.6	30.0
4-Chlorophenyl phenyl ether	Ave	0.6066	0.6254		5160	5000	3.1	30.0
4-Nitroaniline	Lin		0.2527		5350	5000	7.0	30.0
4,6-Dinitro-2-methylphenol	Lin		0.0747		6210	5000	24.3	30.0
Fluorene	Ave	1.288	1.360		5280	5000	5.6	30.0
Diphenylamine	Ave	0.6715	0.7183		5350	5000	7.0	30.0
N-Nitrosodiphenylamine	Ave	0.6715	0.7183		5350	5000	7.0	20.0
1,2-Diphenylhydrazine	Ave	1.157	1.290		5580	5000	11.5	30.0
Azobenzene	Ave	1.157	1.290		5580	5000	11.5	30.0
Benzophenone	Ave	0.7505	0.8386		5590	5000	11.7	30.0
4-Bromophenyl phenyl ether	Ave	0.1945	0.2000		5140	5000	2.8	30.0
Atrazine	Lin2		0.2172		5480	5000	9.6	30.0
Hexachlorobenzene	Ave	0.1969	0.1950		4950	5000	-1.0	30.0
Pentachlorophenol	Lin		0.0906		4820	5000	-3.6	20.0
Pentachloronitrobenzene	Lin1		0.0792		5200	5000	3.9	30.0
Phenanthrene	Ave	1.123	1.122		5000	5000	0.1	30.0
Anthracene	Ave	1.041	1.101		5290	5000	5.7	30.0
Carbazole	Ave	0.8367	0.9540		5700	5000	14.0	30.0
Di-n-butyl phthalate	Ave	1.051	1.303		6200	5000	24.0	30.0
Fluoranthene	Ave	0.9772	1.072		5490	5000	9.7	20.0
Benzidine	Qua		0.1386		5030	5000	0.6	30.0
Pyrene	Ave	1.495	1.435		4800	5000	-4.1	30.0
Butyl benzyl phthalate	Lin1		0.6723		5390	5000	7.8	30.0
Bis(2-ethylhexyl) phthalate	Lin1		0.9284		5480	5000	9.5	30.0
3,3'-Dichlorobenzidine	Qua		0.2520		6240	5000	24.7	30.0
Benzo[a]anthracene	Ave	0.9429	1.019		5400	5000	8.0	30.0
Chrysene	Ave	0.9707	0.9666		4980	5000	-0.4	30.0
Di-n-octyl phthalate	Lin1		2.654		5960	5000	19.2	20.0
Benzo[b]fluoranthene	Ave	1.318	1.411		5350	5000	7.0	30.0
Benzo[k]fluoranthene	Ave	1.243	1.405		5650	5000	13.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab Sample ID: CCV 360-48213/2 Calibration Date: 08/28/2009 11:18

Instrument ID: Inst. B Calib Start Date: 08/27/2009 09:11

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 08/27/2009 13:43

Lab File ID: B9885.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Lin1		1.071		5170	5000	3.4	20.0
Indeno[1,2,3-cd]pyrene	Lin1		0.7406		4970	5000	-0.6	30.0
Dibenz(a,h)anthracene	Lin1		0.5862		4980	5000	-0.4	30.0
Benzo[g,h,i]perylene	Ave	0.5917	0.6062		5120	5000	2.4	30.0
2-Fluorophenol	Ave	0.5642	0.5903		5230	5000	4.6	30.0
Phenol-d5	Ave	0.6958	0.7492		5380	5000	7.7	30.0
Nitrobenzene-d5	Lin1		0.3519		5580	5000	11.5	30.0
2-Fluorobiphenyl	Ave	1.336	1.330		4980	5000	-0.5	30.0
2,4,6-Tribromophenol	Lin1		0.0739		4980	5000	-0.3	30.0
Terphenyl-d14	Ave	0.8754	0.8403		4800	5000	-4.0	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9885.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	28-Aug-2009 11:18:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCV		
Misc. Info.:	360-0000975-002		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	48
Lims Batch ID:	48213	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\8270B.m		
Last Update:	28-Aug-2009 12:00:25	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	28-Aug-2009 12:00:25

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.592	8.592	0.000	714038	2.00	
* 2 Naphthalene-d8	136	9.712	9.712	0.000	1496440	2.00	
* 3 Acenaphthene-d10	164	11.232	11.232	0.000	728114	2.00	
* 4 Phenanthrene-d10	188	12.559	12.559	0.000	1155556	2.00	
* 5 Chrysene-d12	240	16.454	16.454	0.000	922008	2.00	
* 6 Perylene-d12	264	19.450	19.450	0.000	500792	2.00	
$ 7 2-Fluorophenol	112	7.380	7.380	0.000	1053816	5.23	
$ 8 Phenol-d5	99	8.202	8.202	0.000	1337440	5.38	
$ 9 Nitrobenzene-d5	82	9.077	9.077	0.000	1316646	5.58	
$ 10 2-Fluorobiphenyl	172	10.607	10.607	0.000	2420970	4.98	
$ 11 2,4,6-Tribromophenol	330	11.910	11.910	0.000	213358	4.98	
$ 12 Terphenyl-d14	244	14.545	14.545	0.000	1936804	4.80	
14 1,4-Dioxane	88	5.528	5.528	0.000	437410	5.22	
15 N-Nitrosodimethylamine	42	5.932	5.932	0.000	640100	5.08	
16 Pyridine	79	5.985	5.985	0.000	1016281	5.36	
18 Phenol	94	8.217	8.217	0.000	1421433	5.20	
17 Benzaldehyde	94	8.217	8.217	0.000	1421433	5.20	
19 Aniline	93	8.293	8.293	0.000	1761323	5.78	
20 Bis(2-chloroethyl)ether	93	8.318	8.318	0.000	1213533	5.60	
21 2-Chlorophenol	128	8.409	8.409	0.000	1191303	5.40	
22 1,4-Dichlorobenzene	146	8.548	8.548	0.000	1301061	5.37	
23 1,3-Dichlorobenzene	146	8.606	8.606	0.000	1343693	5.36	
24 Benzyl alcohol	79	8.683	8.683	0.000	918026	5.78	
26 2-Methylphenol	108	8.683	8.683	0.000	731826	5.81	
28 3 & 4 Methylphenol	108	8.750	8.750	0.000	1011121	5.01	
25 1,2-Dichlorobenzene	146	8.750	8.750	0.000	1264368	4.72	
27 2,2'-oxybis[1-chloropropane]	45	8.779	8.779	0.000	1927265	5.87	
29 N-Nitrosodi-n-propylamine	70	8.899	8.899	0.000	824474	5.76	
30 Acetophenone	105	8.923	8.923	0.000	1568798	5.20	
31 Hexachloroethane	117	9.053	9.053	0.000	484831	5.12	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	9.092	9.092	0.000	1199635	5.94	
33 Isophorone	82	9.279	9.279	0.000	2158839	5.83	
35 2,4-Dimethylphenol	107	9.342	9.342	0.000	643889	3.69	
34 2-Nitrophenol	139	9.366	9.366	0.000	584895	5.54	
36 Benzoic acid	105	9.395	9.395	0.000	264153	6.61	
37 Bis(2-chloroethoxy)methane	93	9.424	9.424	0.000	1347600	5.26	
38 2,4-Dichlorophenol	162	9.563	9.563	0.000	888499	5.37	
39 1,2,4-Trichlorobenzene	180	9.650	9.650	0.000	1051129	4.93	
40 Alpha-Terpineol	59	9.683	9.683	0.000	987317	5.77	
41 Naphthalene	128	9.731	9.731	0.000	3602642	4.99	
42 4-Chloroaniline	127	9.746	9.746	0.000	1780667	5.38	
43 Hexachlorobutadiene	225	9.808	9.808	0.000	523532	4.97	
44 Caprolactam	55	10.068	10.068	0.000	529594	5.76	
45 4-Chloro-3-methylphenol	107	10.121	10.121	0.000	940772	5.56	
46 2-Methylnaphthalene	142	10.318	10.318	0.000	2187815	5.11	
47 1-Methylnaphthalene	142	10.414	10.414	0.000	2242543	5.08	
48 Hexachlorocyclopentadiene	237	10.443	10.443	0.000	345565	5.01	
49 1,2,4,5-Tetrachlorobenzene	216	10.462	10.462	0.000	931177	4.95	
50 2,4,6-Trichlorophenol	196	10.549	10.549	0.000	617756	5.10	
51 2,4,5-Trichlorophenol	196	10.587	10.587	0.000	639411	5.05	
52 1,1'-Biphenyl	154	10.707	10.707	0.000	2707962	5.03	
53 2-Chloronaphthalene	162	10.751	10.751	0.000	2509548	5.06	
54 Phenyl ether	170	10.784	10.784	0.000	1520657	5.12	
55 2-Nitroaniline	65	10.818	10.818	0.000	614533	5.60	
56 Dimethyl phthalate	163	10.919	10.919	0.000	2386262	5.58	
57 2,6-Dinitrotoluene	165	10.996	10.996	0.000	558931	5.31	
58 Acenaphthylene	152	11.121	11.121	0.000	3281797	5.46	
59 3-Nitroaniline	138	11.169	11.169	0.000	523560	5.39	
60 2,4-Dinitrophenol	184	11.246	11.246	0.000	102355	5.95	
62 4-Nitrophenol	109	11.256	11.256	0.000	249798	5.36	
61 Acenaphthene	153	11.265	11.265	0.000	2177157	4.99	
63 2,4-Dinitrotoluene	165	11.352	11.352	0.000	686351	5.40	
64 Dibenzofuran	168	11.405	11.405	0.000	2900570	5.08	
65 2,3,4,6-Tetrachlorophenol	232	11.496	11.496	0.000	458850	4.90	
66 Diethyl phthalate	149	11.501	11.501	0.000	2355462	5.68	
67 4-Chlorophenyl phenyl ether	204	11.655	11.655	0.000	1138403	5.16	
68 4-Nitroaniline	138	11.698	11.698	0.000	460040	5.35	
70 4,6-Dinitro-2-methylphenol	198	11.703	11.703	0.000	215915	6.21	
69 Fluorene	166	11.703	11.703	0.000	2475683	5.28	
72 N-Nitrosodiphenylamine	169	11.751	11.751	0.000	2075147	5.35	
71 Diphenylamine	169	11.751	11.751	0.000	2075147	5.35	
74 Azobenzene	77	11.794	11.794	0.000	3727387	5.58	
73 1,2-Diphenylhydrazine	77	11.794	11.794	0.000	3727387	5.58	
13 Benzophenone	105	11.809	11.809	0.000	2422523	5.59	
75 4-Bromophenyl phenyl ether	248	12.083	12.083	0.000	577751	5.14	
77 Atrazine	200	12.160	12.160	0.000	627320	5.48	
76 Hexachlorobenzene	284	12.189	12.189	0.000	563280	4.95	
78 Pentachlorophenol	266	12.352	12.352	0.000	261754	4.82	
79 Pentachloronitrobenzene	237	12.367	12.367	0.000	228768	5.20	
80 Phenanthrene	178	12.588	12.588	0.000	3242429	5.00	
81 Anthracene	178	12.636	12.636	0.000	3180011	5.29	
83 Carbazole	167	12.770	12.770	0.000	2756003	5.70	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.992	12.992	0.000	3763353	6.20	
87 Fluoranthene	202	14.030	14.030	0.000	3097493	5.49	
86 Benzidine	184	14.146	14.146	0.000	400451	5.03	
85 Pyrene	202	14.420	14.420	0.000	3306800	4.80	
89 Butyl benzyl phthalate	149	15.362	15.362	0.000	1549720	5.39	
92 Bis(2-ethylhexyl) phthalate	149	16.252	16.252	0.000	2139937	5.48	
91 3,3'-Dichlorobenzidine	252	16.324	16.324	0.000	580865	6.24	
93 Benzo[a]anthracene	228	16.435	16.435	0.000	2347962	5.40	
94 Chrysene	228	16.497	16.497	0.000	2227969	4.98	
95 Di-n-octyl phthalate	149	17.421	17.421	0.000	3322688	5.96	
97 Benzo[b]fluoranthene	252	18.522	18.522	0.000	1766437	5.35	
98 Benzo[k]fluoranthene	252	18.584	18.584	0.000	1758956	5.65	
99 Benzo[a]pyrene	252	19.320	19.320	0.000	1341232	5.17	
100 Indeno[1,2,3-cd]pyrene	276	22.633	22.633	0.000	927202	4.97	
101 Dibenz(a,h)anthracene	278	22.653	22.653	0.000	733849	4.98	
102 Benzo[g,h,i]perylene	276	23.609	23.609	0.000	758930	5.12	

Report Date: 28-Aug-2009 12:00:27 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090826-4.b\B9885.D

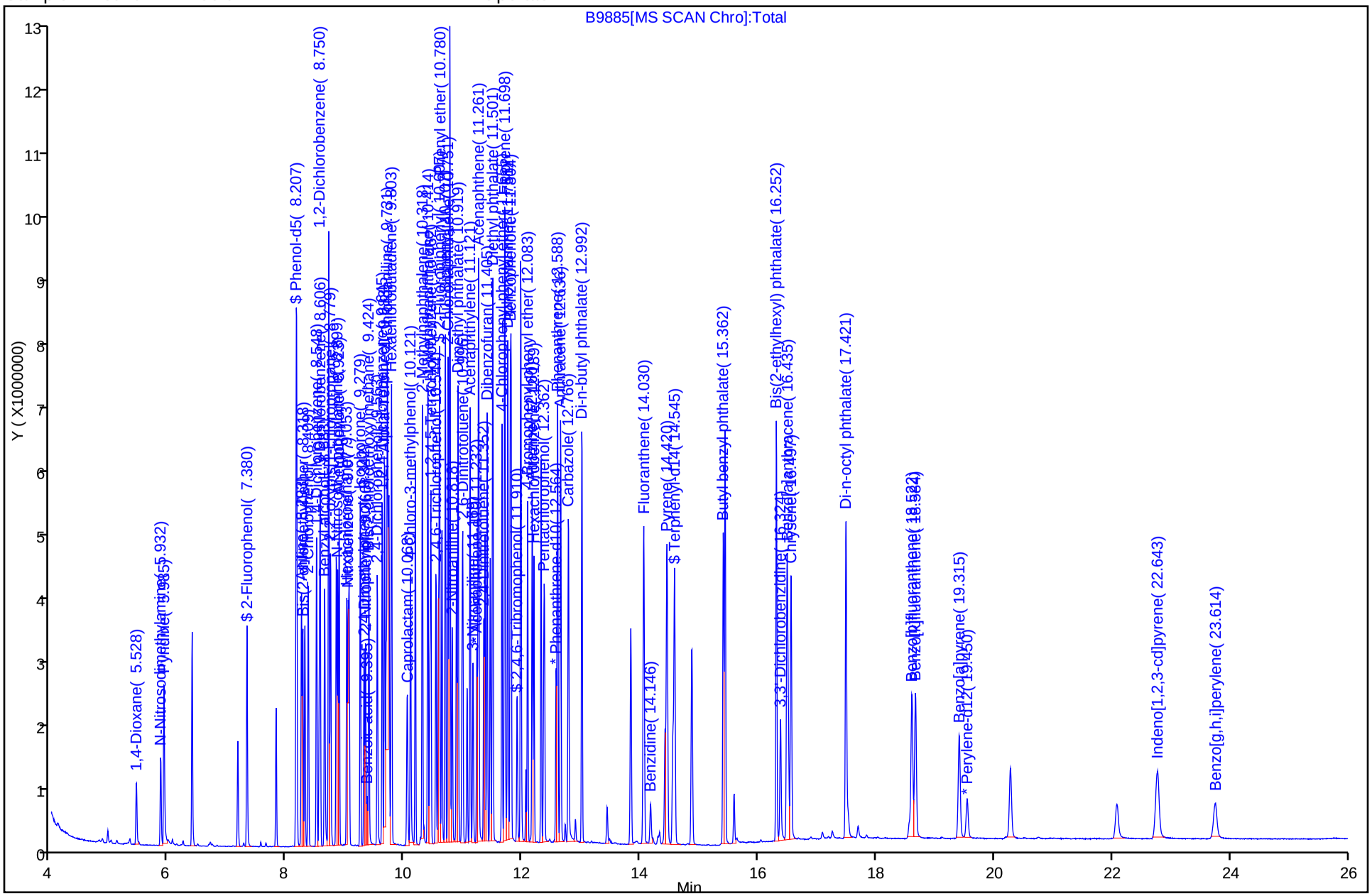
Inj Date: 28-Aug-2009 11:18:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48213 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: CCV

Sample Amount: 2.00 uL Operator: MZ



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab Sample ID: CCV 360-48389/2 Calibration Date: 08/31/2009 15:03

Instrument ID: Inst. B Calib Start Date: 08/27/2009 09:11

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 08/27/2009 13:43

Lab File ID: B9910.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.2503		5330	5000	6.6	30.0
N-Nitrosodimethylamine	Ave	0.3528	0.3307		4690	5000	-6.3	30.0
Pyridine	Lin1		0.6009		5650	5000	13.1	30.0
Benzaldehyde	Ave	0.7664	0.7244		4730	5000	-5.5	30.0
Phenol	Ave	0.7664	0.7244		4730	5000	-5.5	20.0
Aniline	Ave	0.8532	0.6338		3710	5000	-25.7	30.0
Bis(2-chloroethyl)ether	Qua		0.8051		6620	5000	32.4*	30.0
2-Chlorophenol	Ave	0.6177	0.6256		5060	5000	1.3	30.0
1,4-Dichlorobenzene	Lin1		0.7231		5330	5000	6.6	20.0
1,3-Dichlorobenzene	Lin1		0.7388		5260	5000	5.3	30.0
2-Methylphenol	Ave	0.3530	0.2831		4010	5000	-19.8	30.0
Benzyl alcohol	Ave	0.4448	0.3490		3920	5000	-21.5	30.0
1,2-Dichlorobenzene	Ave	0.7498	0.6802		4540	5000	-9.3	30.0
3 & 4 Methylphenol	Ave	0.5658	0.5885		5200	5000	4.0	30.0
2,2'-oxybis[1-chloropropane]	Lin1		0.9798		5320	5000	6.4	30.0
N-Nitrosodi-n-propylamine	Ave	0.4011	0.4203	0.0500	5240	5000	4.8	30.0
Acetophenone	Ave	0.8448	0.8153		4830	5000	-3.5	30.0
Hexachloroethane	Ave	0.2654	0.2537		4780	5000	-4.4	30.0
Nitrobenzene	Ave	0.2699	0.2941		5450	5000	9.0	30.0
Isophorone	Ave	0.4948	0.5335		5390	5000	7.8	30.0
2,4-Dimethylphenol	Ave	0.2333	0.2360		5060	5000	1.1	30.0
2-Nitrophenol	Lin1		0.1425		5060	5000	1.2	20.0
Benzoic acid	Qua		0.0743		6710	5000	34.1*	30.0
Bis(2-chloroethoxy)methane	Ave	0.3424	0.3322		4850	5000	-3.0	30.0
2,4-Dichlorophenol	Lin2		0.2259		5110	5000	2.3	20.0
1,2,4-Trichlorobenzene	Ave	0.2852	0.2695		4730	5000	-5.5	30.0
Alpha-Terpineol	Ave	0.2287	0.2353		5140	5000	2.8	30.0
Naphthalene	Ave	0.9640	0.9120		4730	5000	-5.4	30.0
4-Chloroaniline	Ave	0.4424	0.2838		3210	5000	-35.9*	30.0
Hexachlorobutadiene	Ave	0.1409	0.1352		4800	5000	-4.0	20.0
Caprolactam	Lin1		0.1214		4970	5000	-0.6	30.0
4-Chloro-3-methylphenol	Lin2		0.2185		4840	5000	-3.2	20.0
2-Methylnaphthalene	Ave	0.5724	0.5479		4790	5000	-4.3	30.0
1-Methylnaphthalene	Ave	0.5896	0.5557		4710	5000	-5.7	30.0
Hexachlorocyclopentadiene	Lin		0.0005*	0.0500	509	5000	-89.8*	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2516	0.2381		4730	5000	-5.4	30.0
2,4,6-Trichlorophenol	Lin1		0.2896		4370	5000	-12.7	20.0
2,4,5-Trichlorophenol	Lin1		0.2971		4290	5000	-14.3	30.0
1,1'-Biphenyl	Ave	1.479	1.405		4750	5000	-5.0	30.0
2-Chloronaphthalene	Ave	1.363	1.334		4900	5000	-2.1	30.0
Phenyl ether	Ave	0.3972	0.3792		4770	5000	-4.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab Sample ID: CCV 360-48389/2 Calibration Date: 08/31/2009 15:03

Instrument ID: Inst. B Calib Start Date: 08/27/2009 09:11

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 08/27/2009 13:43

Lab File ID: B9910.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Lin1		0.2996		4980	5000	-0.3	30.0
Dimethyl phthalate	Ave	1.175	1.243		5290	5000	5.7	30.0
2,6-Dinitrotoluene	Lin1		0.2840		4920	5000	-1.6	30.0
Acenaphthylene	Ave	1.652	1.743		5280	5000	5.5	30.0
3-Nitroaniline	Lin1		0.1739		3310	5000	-33.8*	30.0
2,4-Dinitrophenol	Lin		0.0229*	0.0500	4480	5000	-10.5	30.0
4-Nitrophenol	Lin1		0.0943	0.0500	3820	5000	-23.6	30.0
Acenaphthene	Ave	1.199	1.140		4750	5000	-4.9	20.0
2,4-Dinitrotoluene	Lin1		0.3430		4930	5000	-1.5	30.0
Dibenzofuran	Ave	1.569	1.524		4850	5000	-2.9	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.1744		3430	5000	-31.5*	30.0
Diethyl phthalate	Ave	1.139	1.215		5330	5000	6.7	30.0
4-Chlorophenyl phenyl ether	Ave	0.6066	0.5834		4810	5000	-3.8	30.0
4-Nitroaniline	Lin		0.2031		4410	5000	-11.9	30.0
Fluorene	Ave	1.288	1.271		4940	5000	-1.3	30.0
4,6-Dinitro-2-methylphenol	Lin		0.0508		5210	5000	4.2	30.0
Diphenylamine	Ave	0.6715	0.6589		4910	5000	-1.9	30.0
N-Nitrosodiphenylamine	Ave	0.6715	0.6589		4910	5000	-1.9	20.0
1,2-Diphenylhydrazine	Ave	1.157	1.152		4980	5000	-0.4	30.0
Azobenzene	Ave	1.157	1.152		4980	5000	-0.4	30.0
Benzophenone	Ave	0.7505	0.7650		5100	5000	1.9	30.0
4-Bromophenyl phenyl ether	Ave	0.1945	0.1876		4820	5000	-3.6	30.0
Atrazine	Lin2		0.1847		4670	5000	-6.6	30.0
Hexachlorobenzene	Ave	0.1969	0.1811		4600	5000	-8.0	30.0
Pentachloronitrobenzene	Lin1		0.0676		4470	5000	-10.6	30.0
Pentachlorophenol	Lin		0.0025		1290	5000	-74.2*	20.0
Phenanthrene	Ave	1.123	1.046		4660	5000	-6.8	30.0
Anthracene	Ave	1.041	1.063		5110	5000	2.2	30.0
Carbazole	Ave	0.8367	0.6692		4000	5000	-20.0	30.0
Di-n-butyl phthalate	Ave	1.051	1.205		5730	5000	14.7	30.0
Fluoranthene	Ave	0.9772	0.9940		5090	5000	1.7	20.0
Benzidine	Qua		0.0727		3030	5000	-39.4*	30.0
Pyrene	Ave	1.495	1.264		4230	5000	-15.5	30.0
Butyl benzyl phthalate	Lin1		0.5941		4770	5000	-4.5	30.0
Bis(2-ethylhexyl) phthalate	Lin1		0.8466		5000	5000	0.0	30.0
3,3'-Dichlorobenzidine	Qua		0.2405		6000	5000	19.9	30.0
Benzo[a]anthracene	Ave	0.9429	0.9342		4950	5000	-0.9	30.0
Chrysene	Ave	0.9707	0.8956		4610	5000	-7.7	30.0
Di-n-octyl phthalate	Lin1		1.772		4010	5000	-19.8	20.0
Benzo[b]fluoranthene	Ave	1.318	1.121		4250	5000	-15.0	30.0
Benzo[k]fluoranthene	Ave	1.243	1.089		4380	5000	-12.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab Sample ID: CCV 360-48389/2 Calibration Date: 08/31/2009 15:03

Instrument ID: Inst. B Calib Start Date: 08/27/2009 09:11

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 08/27/2009 13:43

Lab File ID: B9910.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Lin1		0.9336		4520	5000	-9.7	20.0
Indeno[1,2,3-cd]pyrene	Lin1		0.7779		5220	5000	4.4	30.0
Dibenz(a,h)anthracene	Lin1		0.6182		5250	5000	5.0	30.0
Benzo[g,h,i]perylene	Ave	0.5917	0.6304		5330	5000	6.5	30.0
2-Fluorophenol	Ave	0.5642	0.5766		5110	5000	2.2	30.0
Phenol-d5	Ave	0.6958	0.6794		4880	5000	-2.4	30.0
Nitrobenzene-d5	Lin1		0.3176		5040	5000	0.8	30.0
2-Fluorobiphenyl	Ave	1.336	1.300		4860	5000	-2.7	30.0
2,4,6-Tribromophenol	Lin1		0.0365		2520	5000	-49.5*	30.0
Terphenyl-d14	Ave	0.8754	0.7349		4200	5000	-16.1	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9910.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	31-Aug-2009 15:03:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCV		
Misc. Info.:	360-0001013-002		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	2
Lims Batch ID:	48389	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\8270B.m		
Last Update:	31-Aug-2009 20:59:41	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	31-Aug-2009 20:59:41

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.564	8.564	0.000	509400	2.00	
* 2 Naphthalene-d8	136	9.684	9.684	0.000	1075962	2.00	
* 3 Acenaphthene-d10	164	11.204	11.204	0.000	510838	2.00	
* 4 Phenanthrene-d10	188	12.526	12.526	0.000	817228	2.00	
* 5 Chrysene-d12	240	16.412	16.412	0.000	677505	2.00	
* 6 Perylene-d12	264	19.388	19.388	0.000	497767	2.00	
$ 7 2-Fluorophenol	112	7.352	7.352	0.000	734281	5.11	
$ 8 Phenol-d5	99	8.179	8.179	0.000	865191	4.88	
$ 9 Nitrobenzene-d5	82	9.049	9.049	0.000	854316	5.04	
$ 10 2-Fluorobiphenyl	172	10.579	10.579	0.000	1659926	4.86	
$ 11 2,4,6-Tribromophenol	330	11.882	11.882	0.000	74487	2.52	
$ 12 Terphenyl-d14	244	14.498	14.498	0.000	1244678	4.20	
14 1,4-Dioxane	88	5.481	5.481	0.000	318761	5.33	
15 N-Nitrosodimethylamine	42	5.890	5.890	0.000	421131	4.69	
16 Pyridine	79	5.948	5.948	0.000	765239	5.65	
18 Phenol	94	8.193	8.193	0.000	922472	4.73	
17 Benzaldehyde	94	8.193	8.193	0.000	922472	4.73	
19 Aniline	93	8.266	8.266	0.000	807152	3.71	
20 Bis(2-chloroethyl)ether	93	8.290	8.290	0.000	1025324	6.62	
21 2-Chlorophenol	128	8.381	8.381	0.000	796694	5.06	
22 1,4-Dichlorobenzene	146	8.520	8.520	0.000	920855	5.33	
23 1,3-Dichlorobenzene	146	8.578	8.578	0.000	940888	5.26	
24 Benzyl alcohol	79	8.660	8.660	0.000	444473	3.92	
26 2-Methylphenol	108	8.660	8.660	0.000	360529	4.01	
28 3 & 4 Methylphenol	108	8.727	8.727	0.000	749425	5.20	
25 1,2-Dichlorobenzene	146	8.722	8.722	0.000	866244	4.54	
27 2,2'-oxybis[1-chloropropane]	45	8.756	8.756	0.000	1247745	5.32	
29 N-Nitrosodi-n-propylamine	70	8.871	8.871	0.000	535305	5.24	
30 Acetophenone	105	8.900	8.900	0.000	1038258	4.83	
31 Hexachloroethane	117	9.025	9.025	0.000	323084	4.78	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	9.064	9.064	0.000	791180	5.45	
33 Isophorone	82	9.251	9.251	0.000	1434940	5.39	
35 2,4-Dimethylphenol	107	9.319	9.319	0.000	634671	5.06	
34 2-Nitrophenol	139	9.338	9.338	0.000	383191	5.06	
36 Benzoic acid	105	9.367	9.367	0.000	199882	6.71	
37 Bis(2-chloroethoxy)methane	93	9.396	9.396	0.000	893528	4.85	
38 2,4-Dichlorophenol	162	9.540	9.540	0.000	607638	5.11	
39 1,2,4-Trichlorobenzene	180	9.622	9.622	0.000	725027	4.73	
40 Alpha-Terpineol	59	9.660	9.660	0.000	632807	5.14	
41 Naphthalene	128	9.708	9.708	0.000	2453169	4.73	
42 4-Chloroaniline	127	9.723	9.723	0.000	763384	3.21	
43 Hexachlorobutadiene	225	9.780	9.780	0.000	363768	4.80	
44 Caprolactam	55	10.030	10.030	0.000	326443	4.97	
45 4-Chloro-3-methylphenol	107	10.098	10.098	0.000	587794	4.84	
46 2-Methylnaphthalene	142	10.290	10.290	0.000	1473740	4.79	
47 1-Methylnaphthalene	142	10.386	10.386	0.000	1494850	4.71	
48 Hexachlorocyclopentadiene	237	10.415	10.415	0.000	609	0.5089	
49 1,2,4,5-Tetrachlorobenzene	216	10.434	10.434	0.000	640381	4.73	
50 2,4,6-Trichlorophenol	196	10.521	10.521	0.000	369838	4.37	
51 2,4,5-Trichlorophenol	196	10.564	10.564	0.000	379436	4.29	
52 1,1'-Biphenyl	154	10.675	10.675	0.000	1793681	4.75	
53 2-Chloronaphthalene	162	10.723	10.723	0.000	1704127	4.90	
54 Phenyl ether	170	10.757	10.757	0.000	1020009	4.77	
55 2-Nitroaniline	65	10.790	10.790	0.000	382663	4.98	
56 Dimethyl phthalate	163	10.891	10.891	0.000	1586880	5.29	
57 2,6-Dinitrotoluene	165	10.968	10.968	0.000	362626	4.92	
58 Acenaphthylene	152	11.093	11.093	0.000	2225960	5.28	
59 3-Nitroaniline	138	11.141	11.141	0.000	222091	3.31	
60 2,4-Dinitrophenol	184	11.228	11.228	0.000	29176	4.48	
62 4-Nitrophenol	109	11.233	11.233	0.000	120484	3.82	
61 Acenaphthene	153	11.233	11.233	0.000	1456454	4.75	
63 2,4-Dinitrotoluene	165	11.319	11.319	0.000	438072	4.93	
64 Dibenzofuran	168	11.377	11.377	0.000	1945967	4.85	
65 2,3,4,6-Tetrachlorophenol	232	11.468	11.468	0.000	222698	3.43	M
66 Diethyl phthalate	149	11.473	11.473	0.000	1551337	5.33	
67 4-Chlorophenyl phenyl ether	204	11.627	11.627	0.000	745024	4.81	
68 4-Nitroaniline	138	11.670	11.670	0.000	259313	4.41	
70 4,6-Dinitro-2-methylphenol	198	11.675	11.675	0.000	103737	5.21	
69 Fluorene	166	11.670	11.670	0.000	1623797	4.94	
72 N-Nitrosodiphenylamine	169	11.723	11.723	0.000	1346153	4.91	
71 Diphenylamine	169	11.723	11.723	0.000	1346153	4.91	
74 Azobenzene	77	11.766	11.766	0.000	2354426	4.98	
73 1,2-Diphenylhydrazine	77	11.766	11.766	0.000	2354426	4.98	
13 Benzophenone	105	11.776	11.776	0.000	1562992	5.10	
75 4-Bromophenyl phenyl ether	248	12.055	12.055	0.000	383277	4.82	
77 Atrazine	200	12.132	12.132	0.000	377406	4.67	
76 Hexachlorobenzene	284	12.161	12.161	0.000	370011	4.60	
78 Pentachlorophenol	266	12.334	12.334	0.000	5171	1.29	
79 Pentachloronitrobenzene	237	12.334	12.334	0.000	138107	4.47	
80 Phenanthrene	178	12.550	12.550	0.000	2137978	4.66	
81 Anthracene	178	12.603	12.603	0.000	2172677	5.11	
83 Carbazole	167	12.733	12.733	0.000	1367256	4.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	12.959	12.959	0.000	2462286	5.73	
87 Fluoranthene	202	13.988	13.988	0.000	2030895	5.09	
86 Benzidine	184	14.099	14.099	0.000	148574	3.03	
85 Pyrene	202	14.373	14.373	0.000	2141301	4.23	
89 Butyl benzyl phthalate	149	15.320	15.320	0.000	1006183	4.77	
92 Bis(2-ethylhexyl) phthalate	149	16.215	16.215	0.000	1433977	5.00	
91 3,3'-Dichlorobenzidine	252	16.287	16.287	0.000	407380	6.00	
93 Benzo[a]anthracene	228	16.392	16.392	0.000	1582365	4.95	
94 Chrysene	228	16.460	16.460	0.000	1516943	4.61	
95 Di-n-octyl phthalate	149	17.373	17.373	0.000	2205131	4.01	
97 Benzo[b]fluoranthene	252	18.470	18.470	0.000	1395225	4.25	
98 Benzo[k]fluoranthene	252	18.532	18.532	0.000	1355574	4.38	
99 Benzo[a]pyrene	252	19.258	19.258	0.000	1161817	4.52	
100 Indeno[1,2,3-cd]pyrene	276	22.548	22.548	0.000	967969	5.22	
101 Dibenz(a,h)anthracene	278	22.562	22.562	0.000	769278	5.25	
102 Benzo[g,h,i]perylene	276	23.519	23.519	0.000	784526	5.33	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 31-Aug-2009 20:59:42 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090831-1.b\B9910.D

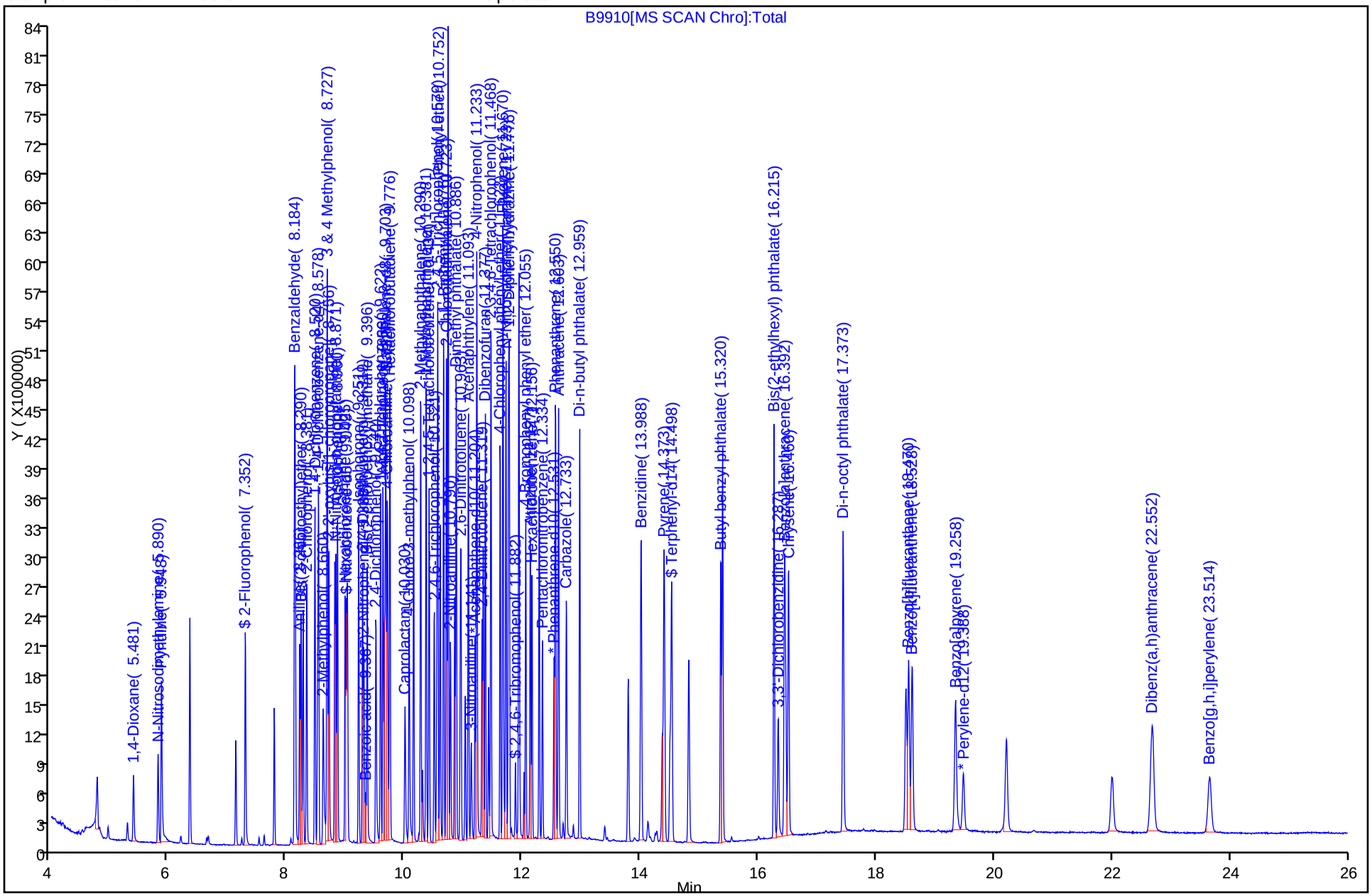
Inj Date: 31-Aug-2009 15:03:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48389 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: CCV

Sample Amount: 2.00 uL Operator: MZ



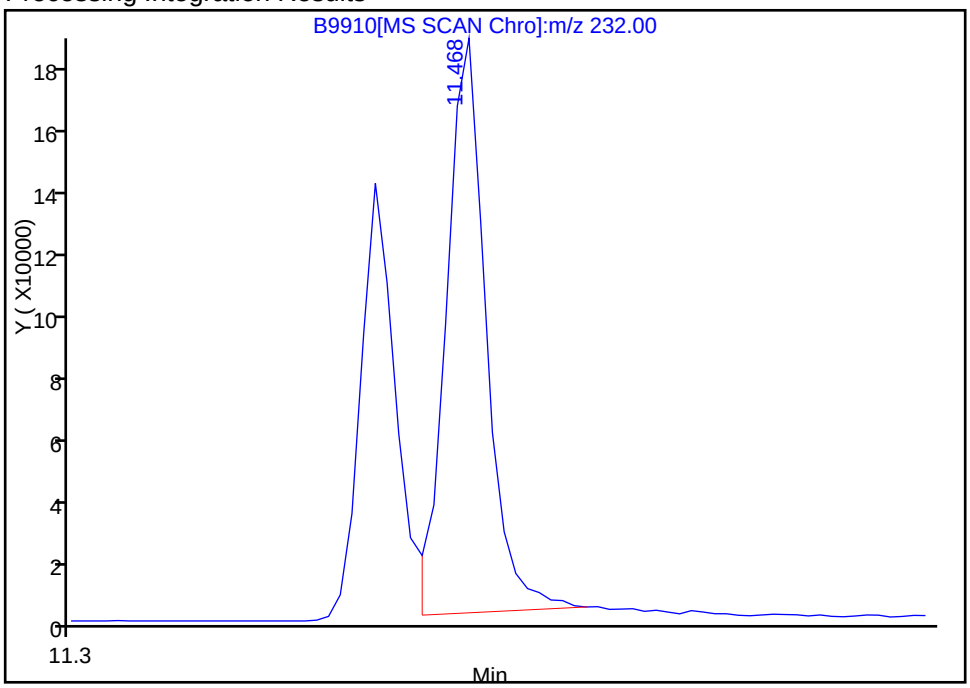
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9910.D		
Inj Date:	31-Aug-2009 15:03:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	Lims Sample ID:	2
Client ID:		Instrument:	Inst. B
Sample Info:	CCV		
Sample Amount:	2.00 uL	Operator:	MZ

65 2,3,4,6-Tetrachlorophenol, Number: 1, m/z: 232 Type: quant, RT: 11.47

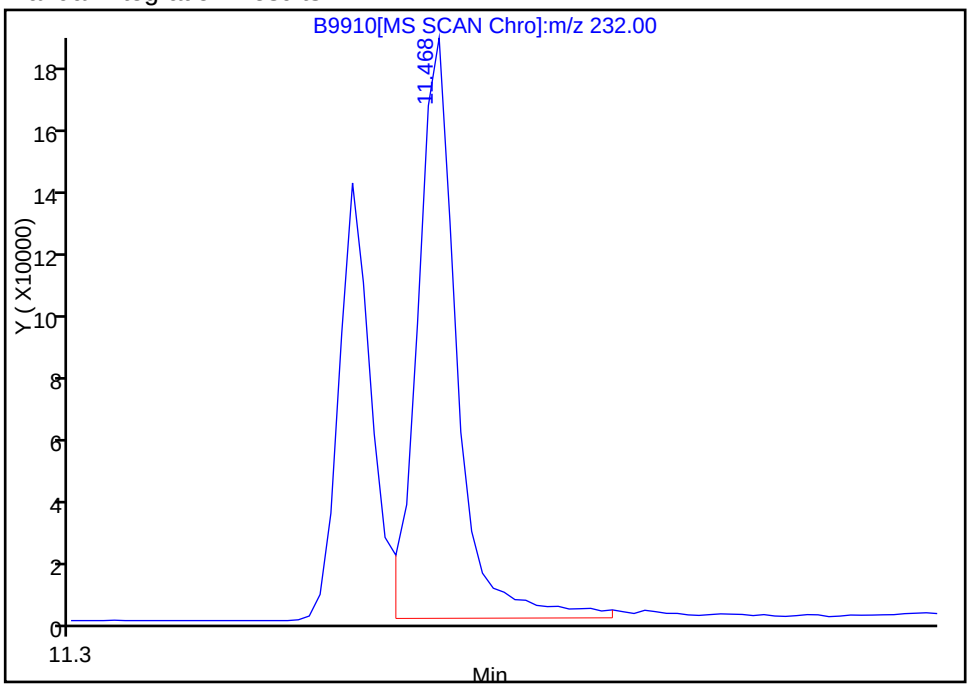
Processing Integration Results

RT: 11.47
Response: 207544
Amount: 3.200394



Manual Integration Results

RT: 11.47
Response: 222698
Amount: 3.425178



Reviewer: sullivanp, 31-Aug-2009 20:59:41
Audit Action: Manually Integrated
Audit Reason: Peak Tail

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab Sample ID: CCV 360-48751/2 Calibration Date: 09/09/2009 23:39

Instrument ID: Inst. B Calib Start Date: 09/09/2009 17:26

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/09/2009 21:58

Lab File ID: B10152.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.1819		5110	5000	2.2	30.0
Pyridine	Ave	0.5267	0.4733		4490	5000	-10.1	30.0
N-Nitrosodimethylamine	Ave	0.3522	0.3120		4430	5000	-11.4	30.0
Benzaldehyde	Ave	0.2773	0.2526		4550	5000	-8.9	30.0
Phenol	Ave	0.6804	0.6431		4730	5000	-5.5	20.0
Aniline	Ave	0.7761	0.7562		4870	5000	-2.6	30.0
Bis(2-chloroethyl)ether	Ave	0.5782	0.5309		4590	5000	-8.2	30.0
2-Chlorophenol	Ave	0.6128	0.5778		4710	5000	-5.7	30.0
1,4-Dichlorobenzene	Ave	0.7317	0.6637		4540	5000	-9.3	20.0
1,3-Dichlorobenzene	Ave	0.7676	0.6685		4350	5000	-12.9	30.0
Benzyl alcohol	Ave	0.4208	0.4418		5250	5000	5.0	30.0
1,2-Dichlorobenzene	Qua		0.6279		4850	5000	-2.9	30.0
2-Methylphenol	Ave	0.5265	0.4980		4730	5000	-5.4	30.0
2,2'-oxybis[1-chloropropane]	Ave	0.9915	0.9127		4600	5000	-7.9	30.0
3 & 4 Methylphenol	Ave	0.5360	0.5253		4900	5000	-2.0	30.0
Acetophenone	Ave	0.8057	0.7592		4710	5000	-5.8	30.0
N-Nitrosodi-n-propylamine	Ave	0.4006	0.3828	0.0500	4780	5000	-4.5	30.0
Hexachloroethane	Ave	0.2576	0.2451		4760	5000	-4.9	30.0
Nitrobenzene	Ave	0.2799	0.2803		5010	5000	0.2	30.0
Isophorone	Ave	0.4565	0.4882		5350	5000	7.0	30.0
2,4-Dimethylphenol	Ave	0.2315	0.2337		5050	5000	0.9	30.0
2-Nitrophenol	Lin2		0.1561		5240	5000	4.7	20.0
Benzoic acid	Qua		0.0878		5250	5000	5.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.2908	0.2969		5110	5000	2.1	30.0
2,4-Dichlorophenol	Ave	0.2100	0.2215		5270	5000	5.5	20.0
1,2,4-Trichlorobenzene	Ave	0.2601	0.2567		4930	5000	-1.3	30.0
Alpha-Terpineol	Ave	0.2130	0.2270		5330	5000	6.6	30.0
Naphthalene	Ave	0.7917	0.7931		5010	5000	0.2	30.0
4-Chloroaniline	Ave	0.3117	0.3342		5360	5000	7.2	30.0
Hexachlorobutadiene	Ave	0.1298	0.1279		4930	5000	-1.5	20.0
Caprolactam	Lin2		0.1174		5310	5000	6.2	30.0
4-Chloro-3-methylphenol	Ave	0.2098	0.2202		5250	5000	5.0	20.0
2-Methylnaphthalene	Ave	0.5207	0.5270		5060	5000	1.2	30.0
1-Methylnaphthalene	Ave	0.5291	0.5345		5050	5000	1.0	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2204	0.2263		5130	5000	2.7	30.0
Hexachlorocyclopentadiene	Lin		0.1963	0.0500	4790	5000	-4.1	30.0
2,4,6-Trichlorophenol	Lin2		0.3625		5560	5000	11.3	20.0
2,4,5-Trichlorophenol	Lin2		0.3421		5000	5000	0.0	30.0
1,1'-Biphenyl	Ave	1.435	1.487		5180	5000	3.6	30.0
2-Chloronaphthalene	Ave	1.279	1.349		5270	5000	5.5	30.0
Phenyl ether	Ave	0.3539	0.3513		4960	5000	-0.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab Sample ID: CCV 360-48751/2 Calibration Date: 09/09/2009 23:39

Instrument ID: Inst. B Calib Start Date: 09/09/2009 17:26

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/09/2009 21:58

Lab File ID: B10152.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Lin2		0.3351		5220	5000	4.4	30.0
Dimethyl phthalate	Ave	1.216	1.265		5200	5000	4.0	30.0
2,6-Dinitrotoluene	Ave	0.2831	0.3057		5400	5000	8.0	30.0
Acenaphthylene	Ave	1.602	1.757		5480	5000	9.7	30.0
3-Nitroaniline	Ave	0.2882	0.3169		5500	5000	10.0	30.0
Acenaphthene	Ave	1.124	1.174		5220	5000	4.4	20.0
2,4-Dinitrophenol	Qua		0.0890	0.0500	4870	5000	-2.6	30.0
4-Nitrophenol	Lin		0.1493	0.0500	4890	5000	-2.1	30.0
Dibenzofuran	Ave	1.484	1.555		5240	5000	4.8	30.0
2,4-Dinitrotoluene	Lin2		0.3927		5190	5000	3.8	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2485		5010	5000	0.3	30.0
Diethyl phthalate	Ave	1.257	1.275		5070	5000	1.4	30.0
4-Chlorophenyl phenyl ether	Ave	0.5784	0.5924		5120	5000	2.4	30.0
Fluorene	Ave	1.224	1.302		5320	5000	6.4	30.0
4-Nitroaniline	Lin2		0.3085		5310	5000	6.2	30.0
4,6-Dinitro-2-methylphenol	Qua		0.0927		5090	5000	1.9	30.0
Diphenylamine	Ave	0.6467	0.6836		5290	5000	5.7	30.0
N-Nitrosodiphenylamine	Ave	0.6467	0.6836		5290	5000	5.7	20.0
1,2-Diphenylhydrazine	Ave	0.7041	0.7699		5470	5000	9.3	30.0
Azobenzene	Ave	0.7041	0.7699		5470	5000	9.3	30.0
Benzophenone	Ave	0.5911	0.6305		5330	5000	6.7	30.0
4-Bromophenyl phenyl ether	Ave	0.1838	0.1864		5070	5000	1.4	30.0
Atrazine	Ave	0.1802	0.1923		5340	5000	6.7	30.0
Hexachlorobenzene	Ave	0.1712	0.1690		4940	5000	-1.3	30.0
Pentachlorophenol	Lin1		0.0765		5610	5000	12.3	20.0
Pentachloronitrobenzene	Lin2		0.0713		5020	5000	0.4	30.0
Phenanthrene	Ave	1.014	1.054		5200	5000	4.0	30.0
Anthracene	Ave	0.9445	1.027		5440	5000	8.8	30.0
Carbazole	Ave	0.8818	0.9090		5150	5000	3.1	30.0
Di-n-butyl phthalate	Ave	1.225	1.175		4800	5000	-4.0	30.0
Pyrene	Ave	1.198	1.220		5090	5000	1.8	30.0
Benzidine	Lin		0.7565		4530	5000	-9.3	30.0
Fluoranthene	Ave	0.9779	1.006		5140	5000	2.8	20.0
Butyl benzyl phthalate	Ave	0.5662	0.6351		5610	5000	12.2	30.0
3,3'-Dichlorobenzidine	Lin2		0.7661		5390	5000	7.8	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7002	0.7916		5650	5000	13.1	30.0
Benzo[a]anthracene	Ave	0.8888	0.9524		5360	5000	7.2	30.0
Chrysene	Ave	0.8727	0.9042		5180	5000	3.6	30.0
Di-n-octyl phthalate	Lin1		1.593		4850	5000	-3.1	20.0
Benzo[b]fluoranthene	Ave	1.187	1.160		4890	5000	-2.2	30.0
Benzo[k]fluoranthene	Ave	1.124	1.273		5660	5000	13.2	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab Sample ID: CCV 360-48751/2 Calibration Date: 09/09/2009 23:39

Instrument ID: Inst. B Calib Start Date: 09/09/2009 17:26

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/09/2009 21:58

Lab File ID: B10152.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Ave	0.8727	0.9535		5460	5000	9.3	20.0
Indeno[1,2,3-cd]pyrene	Lin1		0.7457		4870	5000	-2.5	30.0
Dibenz(a,h)anthracene	Lin1		0.6040		4800	5000	-4.1	30.0
Benzo[g,h,i]perylene	Ave	0.5758	0.5971		5190	5000	3.7	30.0
2-Fluorophenol	Ave	0.5060	0.4727		4670	5000	-6.6	30.0
Phenol-d5	Ave	0.6760	0.6313		4670	5000	-6.6	30.0
Nitrobenzene-d5	Ave	0.2815	0.2875		5110	5000	2.1	30.0
2-Fluorobiphenyl	Ave	1.302	1.353		5200	5000	4.0	30.0
2,4,6-Tribromophenol	Lin		0.0683		4900	5000	-2.0	30.0
Terphenyl-d14	Ave	0.7569	0.7791		5150	5000	2.9	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10152.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	09-Sep-2009 23:39:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCV		
Misc. Info.:	360-0001117-002		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	13
Lims Batch ID:	48751	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\8270B.m		
Last Update:	10-Sep-2009 07:40:41	Calib Date:	09-Sep-2009 21:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10149.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	10-Sep-2009 07:40:41

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.577	7.574	0.003	729739	2.00	
* 2 Naphthalene-d8	136	8.707	8.705	0.002	1485282	2.00	
* 3 Acenaphthene-d10	164	10.217	10.215	0.002	652083	2.00	
* 4 Phenanthrene-d10	188	11.462	11.461	0.001	1082893	2.00	
* 5 Chrysene-d12	240	14.766	14.760	0.006	833265	2.00	
* 6 Perylene-d12	264	17.185	17.183	0.002	568914	2.00	
$ 7 2-Fluorophenol	112	6.365	6.359	0.006	862381	4.67	
$ 8 Phenol-d5	99	7.255	7.253	0.002	1151786	4.67	
$ 9 Nitrobenzene-d5	82	8.096	8.090	0.006	1067548	5.11	
$ 10 2-Fluorobiphenyl	172	9.616	9.614	0.002	2206085	5.20	
$ 11 2,4,6-Tribromophenol	330	10.885	10.884	0.001	185006	4.90	
$ 12 Terphenyl-d14	244	12.944	12.942	0.002	1622942	5.15	
14 1,4-Dioxane	88	3.860	3.829	0.031	331786	5.11	
16 Pyridine	79	4.595	4.579	0.016	863369	4.49	
15 N-Nitrosodimethylamine	42	4.634	4.623	0.011	569165	4.43	
17 Benzaldehyde	105	7.187	7.186	0.001	460749	4.55	
18 Phenol	94	7.269	7.263	0.006	1173182	4.73	
19 Aniline	93	7.312	7.311	0.001	1379644	4.87	
20 Bis(2-chloroethyl)ether	93	7.351	7.344	0.007	968548	4.59	
21 2-Chlorophenol	128	7.413	7.412	0.001	1054155	4.71	
22 1,4-Dichlorobenzene	146	7.543	7.542	0.001	1210797	4.54	
23 1,3-Dichlorobenzene	146	7.591	7.590	0.001	1219479	4.35	
24 Benzyl alcohol	79	7.702	7.700	0.002	805958	5.25	
25 1,2-Dichlorobenzene	146	7.764	7.763	0.001	1145582	4.85	
26 2-Methylphenol	108	7.803	7.796	0.007	908435	4.73	
27 2,2'-oxybis[1-chloropropane]	45	7.832	7.830	0.002	1665152	4.60	
28 3 & 4 Methylphenol	108	7.923	7.922	0.001	958331	4.90	
30 Acetophenone	105	7.947	7.946	0.001	1384969	4.71	
29 N-Nitrosodi-n-propylamine	70	7.952	7.950	0.002	698361	4.78	
31 Hexachloroethane	117	8.039	8.037	0.002	447084	4.76	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	8.111	8.109	0.002	1040857	5.01	
33 Isophorone	82	8.298	8.297	0.001	1812948	5.35	
35 2,4-Dimethylphenol	107	8.385	8.383	0.002	867742	5.05	
34 2-Nitrophenol	139	8.390	8.388	0.002	579484	5.24	
36 Benzoic acid	105	8.447	8.447	0.000	326149	5.25	M
37 Bis(2-chloroethoxy)methane	93	8.467	8.465	0.002	1102509	5.11	
38 2,4-Dichlorophenol	162	8.582	8.580	0.002	822450	5.27	
39 1,2,4-Trichlorobenzene	180	8.664	8.662	0.002	953174	4.93	
40 Alpha-Terpineol	59	8.688	8.686	0.002	842990	5.33	
41 Naphthalene	128	8.726	8.725	0.001	2945083	5.01	
42 4-Chloroaniline	127	8.770	8.768	0.002	1240961	5.36	
43 Hexachlorobutadiene	225	8.861	8.859	0.002	474886	4.93	
44 Caprolactam	55	9.034	9.023	0.011	436079	5.31	
45 4-Chloro-3-methylphenol	107	9.149	9.148	0.001	817786	5.25	
46 2-Methylnaphthalene	142	9.308	9.306	0.002	1956925	5.06	
47 1-Methylnaphthalene	142	9.404	9.403	0.001	1984504	5.05	
49 1,2,4,5-Tetrachlorobenzene	216	9.486	9.484	0.002	840196	5.13	
48 Hexachlorocyclopentadiene	237	9.491	9.494	-0.003	319935	4.79	
50 2,4,6-Trichlorophenol	196	9.558	9.557	0.002	590922	5.56	
51 2,4,5-Trichlorophenol	196	9.597	9.590	0.007	557731	5.00	
52 1,1'-Biphenyl	154	9.698	9.696	0.002	2424252	5.18	
53 2-Chloronaphthalene	162	9.726	9.725	0.001	2198708	5.27	
54 Phenyl ether	170	9.784	9.783	0.001	1304454	4.96	
55 2-Nitroaniline	65	9.823	9.821	0.002	546266	5.22	
56 Dimethyl phthalate	163	9.962	9.960	0.002	2062246	5.20	
57 2,6-Dinitrotoluene	165	10.044	10.037	0.007	498385	5.40	
58 Acenaphthylene	152	10.092	10.090	0.002	2863842	5.48	
59 3-Nitroaniline	138	10.169	10.167	0.002	516560	5.50	
61 Acenaphthene	153	10.246	10.244	0.002	1914159	5.22	
60 2,4-Dinitrophenol	184	10.251	10.249	0.002	145071	4.87	
62 4-Nitrophenol	109	10.265	10.263	0.002	243367	4.89	
64 Dibenzofuran	168	10.371	10.369	0.002	2535498	5.24	
63 2,4-Dinitrotoluene	165	10.376	10.374	0.002	640145	5.19	
65 2,3,4,6-Tetrachlorophenol	232	10.501	10.499	0.002	405085	5.01	
66 Diethyl phthalate	149	10.539	10.538	0.001	2078831	5.07	
67 4-Chlorophenyl phenyl ether	204	10.631	10.629	0.001	965665	5.12	
69 Fluorene	166	10.664	10.663	0.001	2122691	5.32	
68 4-Nitroaniline	138	10.693	10.687	0.006	502960	5.31	
70 4,6-Dinitro-2-methylphenol	198	10.722	10.715	0.007	251065	5.09	
71 Diphenylamine	169	10.731	10.730	0.001	1850605	5.29	
72 N-Nitrosodiphenylamine	169	10.731	10.730	0.001	1850605	5.29	
74 Azobenzene	77	10.765	10.764	0.001	2084189	5.47	
73 1,2-Diphenylhydrazine	77	10.765	10.764	0.001	2084189	5.47	
13 Benzophenone	105	10.789	10.788	0.001	1706959	5.33	
75 4-Bromophenyl phenyl ether	248	11.044	11.042	0.002	504726	5.07	
77 Atrazine	200	11.164	11.163	0.001	520570	5.34	
76 Hexachlorobenzene	284	11.203	11.201	0.002	457493	4.94	
78 Pentachlorophenol	266	11.337	11.344	-0.007	207200	5.61	
79 Pentachloronitrobenzene	237	11.405	11.398	0.007	192920	5.02	
80 Phenanthrene	178	11.482	11.480	0.002	2854412	5.20	
81 Anthracene	178	11.520	11.519	0.002	2780895	5.44	
83 Carbazole	167	11.640	11.639	0.001	2460943	5.15	

Report Date: 10-Sep-2009 07:40:42 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\INSTB.i\20090909-2.b\B10152.D

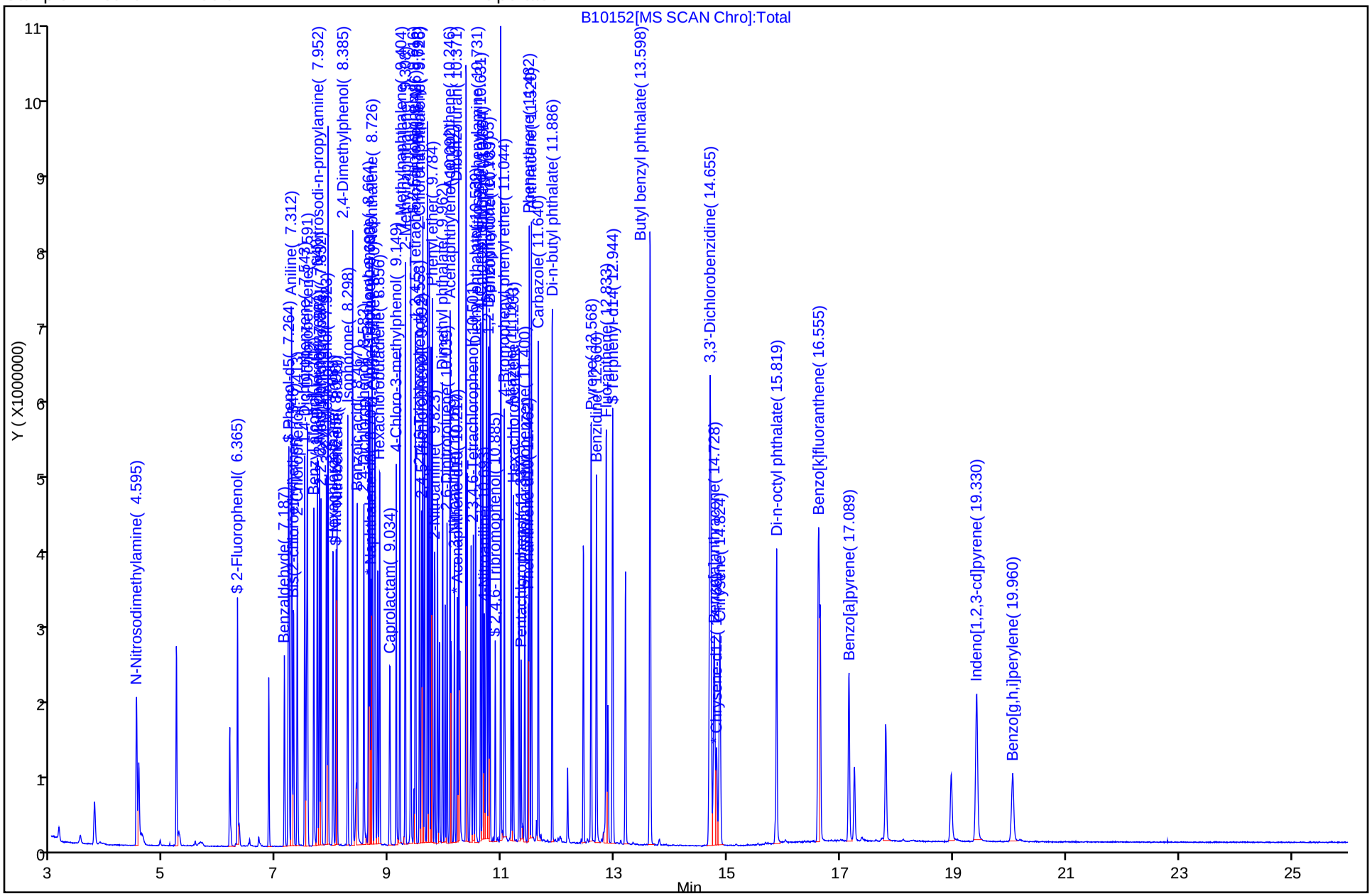
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.886	11.884	0.002	3181698	4.80	
85 Pyrene	202	12.568	12.567	0.001	2541344	5.09	
86 Benzidine	184	12.660	12.671	-0.011	2047987	4.53	
87 Fluoranthene	202	12.833	12.826	0.007	2722129	5.14	
89 Butyl benzyl phthalate	149	13.598	13.596	0.002	1322920	5.61	
91 3,3'-Dichlorobenzidine	252	14.651	14.644	0.007	1596001	5.39	
92 Bis(2-ethylhexyl) phthalate	149	14.665	14.663	0.002	1649026	5.65	
93 Benzo[a]anthracene	228	14.728	14.721	0.007	1984013	5.36	
94 Chrysene	228	14.824	14.817	0.007	1883484	5.18	
95 Di-n-octyl phthalate	149	15.819	15.818	0.001	2265576	4.85	
97 Benzo[b]fluoranthene	252	16.550	16.544	0.006	1649970	4.89	
98 Benzo[k]fluoranthene	252	16.584	16.577	0.007	1810278	5.66	
99 Benzo[a]pyrene	252	17.089	17.082	0.007	1356149	5.46	
100 Indeno[1,2,3-cd]pyrene	276	19.325	19.318	0.007	1060652	4.87	
101 Dibenz(a,h)anthracene	278	19.330	19.323	0.007	859085	4.80	
102 Benzo[g,h,i]perylene	276	19.960	19.953	0.007	849291	5.19	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 10-Sep-2009 07:40:42 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10152.D		
Inj Date:	09-Sep-2009 23:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	2
Client ID:		Instrument:	Inst. B
Sample Info:	CCV		
Sample Amount:	2.00 uL	Operator:	MZ



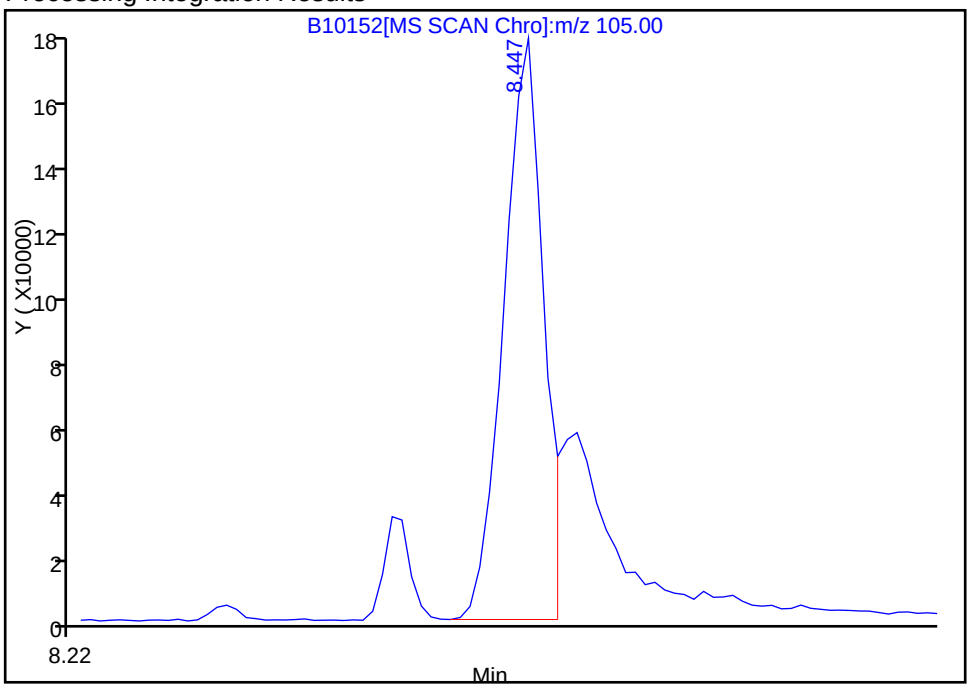
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10152.D		
Inj Date:	09-Sep-2009 23:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	2
Client ID:		Instrument:	Inst. B
Sample Info:	CCV		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.45

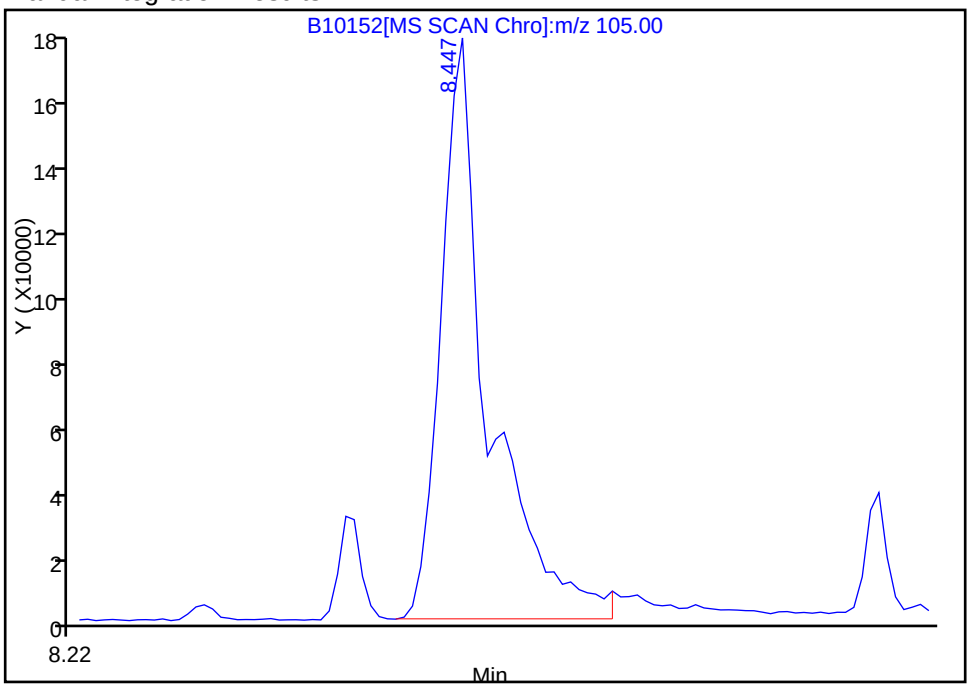
Processing Integration Results

RT: 8.45
Response: 233999
Amount: 4.184897



Manual Integration Results

RT: 8.45
Response: 326149
Amount: 5.252262



Reviewer: sullivanp, 10-Sep-2009 07:40:41
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9838.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	27-Aug-2009 08:38:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	360-0000982-001		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	1
Lims Batch ID:	48241	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\8270B.m		
Last Update:	27-Aug-2009 17:11:45	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	27-Aug-2009 17:11:45

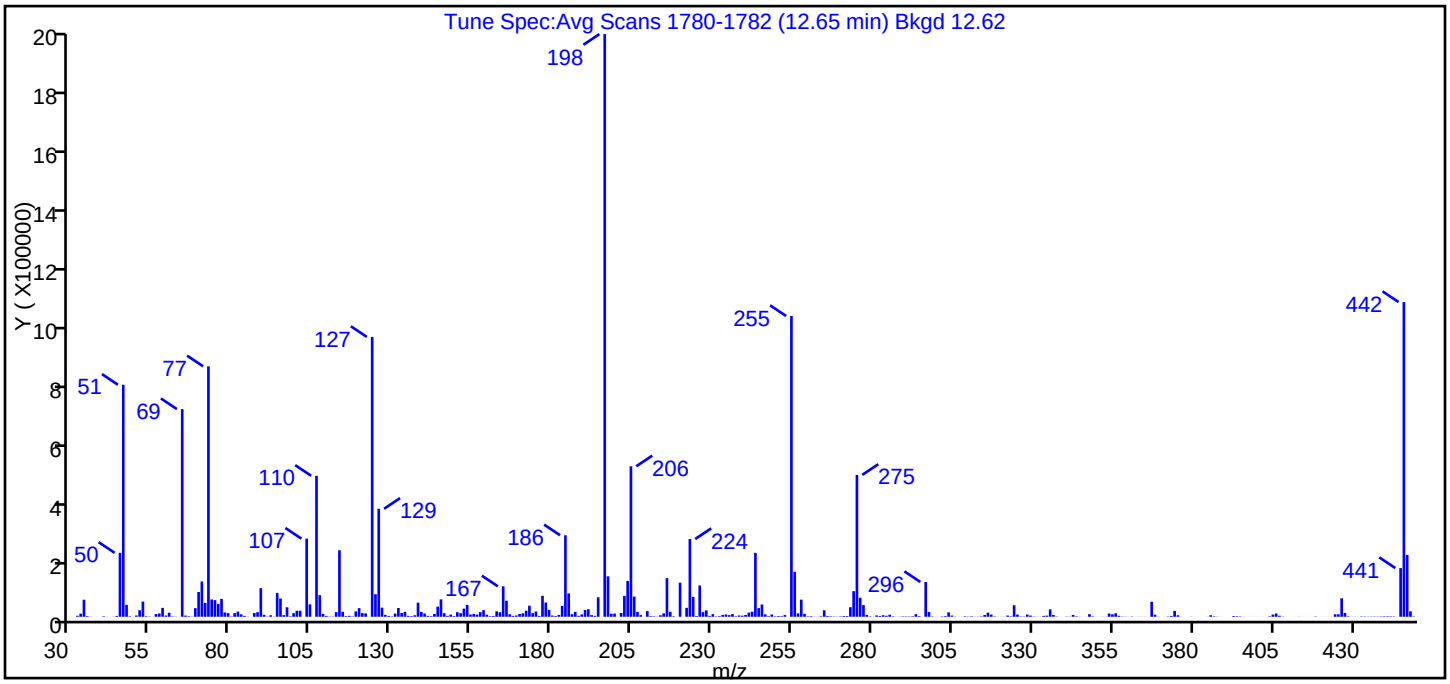
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	12.355	12.352	0.003	1837258		
82 DFTPP	198	12.653	12.653	0.000	2412998		
86 Benzidine	184	14.144	14.140	0.004	4956524		
88 4,4'-DDD	235	15.063	15.107	-0.044	75439		
90 4,4'-DDT	235	15.606	15.606	0.000	5004754		

Chrom Revision: 1.0.2009.827

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9838.D		
Inj Date:	27-Aug-2009 08:38:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48241	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	39.82
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	35.64
70	Less than 2.00% of mass 69	0.20 (0.57)
127	40.00 - 60.00% of mass 198	48.03
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.94
275	10.00 - 30.00% of mass 198	24.35
365	Greater than 1.00% of mass 198	2.58
441	Present, but less than mass 443%	8.36 (78.86)
442	Greater than 40.00% of mass 198	54.01
443	17.00 - 23.00% of mass 442	10.60 (19.62)

Report Date: 27-Aug-2009 17:11:46 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090827-1.b\B9838.D\8270B.rslt\spectra.d
Injection Date: 27-Aug-2009 08:38:30
Spectrum: Tune Spec:Avg Scans 1780-1782 (12.65 min) Bkgd 12.62
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 87

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	58280	105.00	20720	179.00	71896	244.00	219008
50.00	219008	107.00	267712	180.00	48768	245.00	29672
51.00	794944	108.00	42528	181.00	23848	246.00	42160
52.00	40760	110.00	482944	185.00	37400	255.00	1030464
56.00	22296	111.00	74016	186.00	279232	256.00	153920
57.00	52024	117.00	227904	187.00	80080	258.00	58688
63.00	30416	123.00	29456	192.00	23400	265.00	22248
69.00	711488	127.00	958784	193.00	25848	273.00	32816
73.00	29360	128.00	77304	196.00	66768	274.00	87832
74.00	84904	129.00	370048	198.00	1996288	275.00	486144
75.00	120928	130.00	31240	199.00	138496	276.00	65312
76.00	47368	135.00	30080	204.00	71464	277.00	40160
77.00	858112	141.00	48344	205.00	122744	296.00	119096
78.00	59352	147.00	34856	206.00	515584	323.00	39504
79.00	56992	148.00	59632	207.00	69064	334.00	25288
80.00	44040	155.00	27984	217.00	132352	365.00	51464
81.00	61176	156.00	40696	221.00	116800	372.00	20136
93.00	98184	161.00	22776	223.00	30640	423.00	63320
98.00	81640	167.00	104264	224.00	266432	441.00	166848
99.00	62448	168.00	54888	225.00	68200	442.00	1078272
101.00	32528	174.00	20912	227.00	107224	443.00	211584
104.00	20656	175.00	37944	229.00	21776		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9884.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	28-Aug-2009 10:44:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	360-0000975-001		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	47
Lims Batch ID:	48213	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\8270B.m		
Last Update:	28-Aug-2009 11:58:08	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	28-Aug-2009 11:58:07

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	12.358	12.358	0.000	3275959		
82 DFTPP	198	12.656	12.656	0.000	3538159		A
86 Benzidine	184	14.152	14.152	0.000	13574771		
88 4,4'-DDD	235	15.066	15.107	-0.041	811101		
90 4,4'-DDT	235	15.604	15.604	0.000	7027010		

QC Flag Legend

Review Flags
A - User Assigned ID

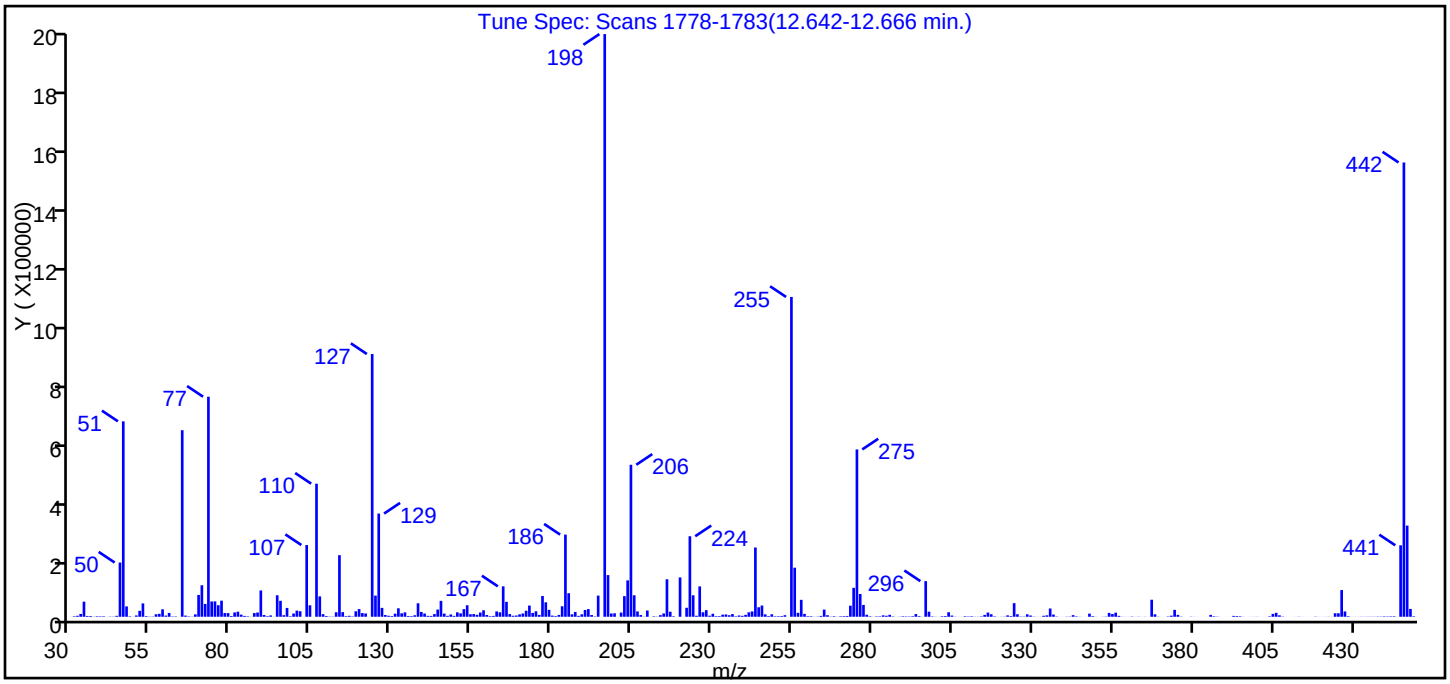
Report Date: 28-Aug-2009 11:58:08

Chrom Revision: 1.0.2009.827

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9884.D		
Inj Date:	28-Aug-2009 10:44:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	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	33.54
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	32.02
70	Less than 2.00% of mass 69	0.21 (0.64)
127	40.00 - 60.00% of mass 198	45.10
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.16
275	10.00 - 30.00% of mass 198	28.72
365	Greater than 1.00% of mass 198	2.92
441	Present, but less than mass 443%	12.26 (78.35)
442	Greater than 40.00% of mass 198	77.97
443	17.00 - 23.00% of mass 442	15.65 (20.07)

Report Date: 28-Aug-2009 11:58:08 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090826-4.b\B9884.D\8270B.rslt\spectra.d
Injection Date: 28-Aug-2009 10:44:30
Spectrum: Tune Spec: Scans 1778-1783(12.642-12.666 min.)
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 87

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	51032	108.00	38736	181.00	23472	245.00	32136
50.00	183168	110.00	449536	185.00	35496	246.00	37968
51.00	660160	111.00	68816	186.00	277568	255.00	1080320
52.00	35048	117.00	208064	187.00	79560	256.00	165760
56.00	20048	123.00	25992	192.00	22944	258.00	57216
57.00	45200	127.00	887552	193.00	25936	265.00	24184
63.00	25272	128.00	71456	196.00	71456	273.00	37424
69.00	630208	129.00	348544	198.00	1968128	274.00	97744
74.00	73600	130.00	30000	199.00	140864	275.00	565248
75.00	106408	135.00	28568	204.00	69632	276.00	76888
76.00	43336	141.00	45568	205.00	122920	277.00	40008
77.00	743296	147.00	24328	206.00	513408	296.00	120360
78.00	51648	148.00	53760	207.00	72624	323.00	45936
79.00	52024	155.00	25824	211.00	21112	334.00	27912
80.00	39040	156.00	38872	217.00	126704	365.00	57536
81.00	54408	161.00	21952	221.00	132864	372.00	23384
93.00	88888	167.00	102760	223.00	30424	423.00	90200
98.00	72568	168.00	50440	224.00	272000	441.00	241344
99.00	53928	174.00	20448	225.00	72544	442.00	1534464
101.00	29832	175.00	37808	227.00	102528	443.00	308032
104.00	20688	179.00	70088	229.00	22376	444.00	26480
107.00	242304	180.00	48816	244.00	233984		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9909.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	31-Aug-2009 14:28:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	360-0001013-001		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	1
Lims Batch ID:	48389	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\8270B.m		
Last Update:	31-Aug-2009 21:01:53	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	31-Aug-2009 21:01:52

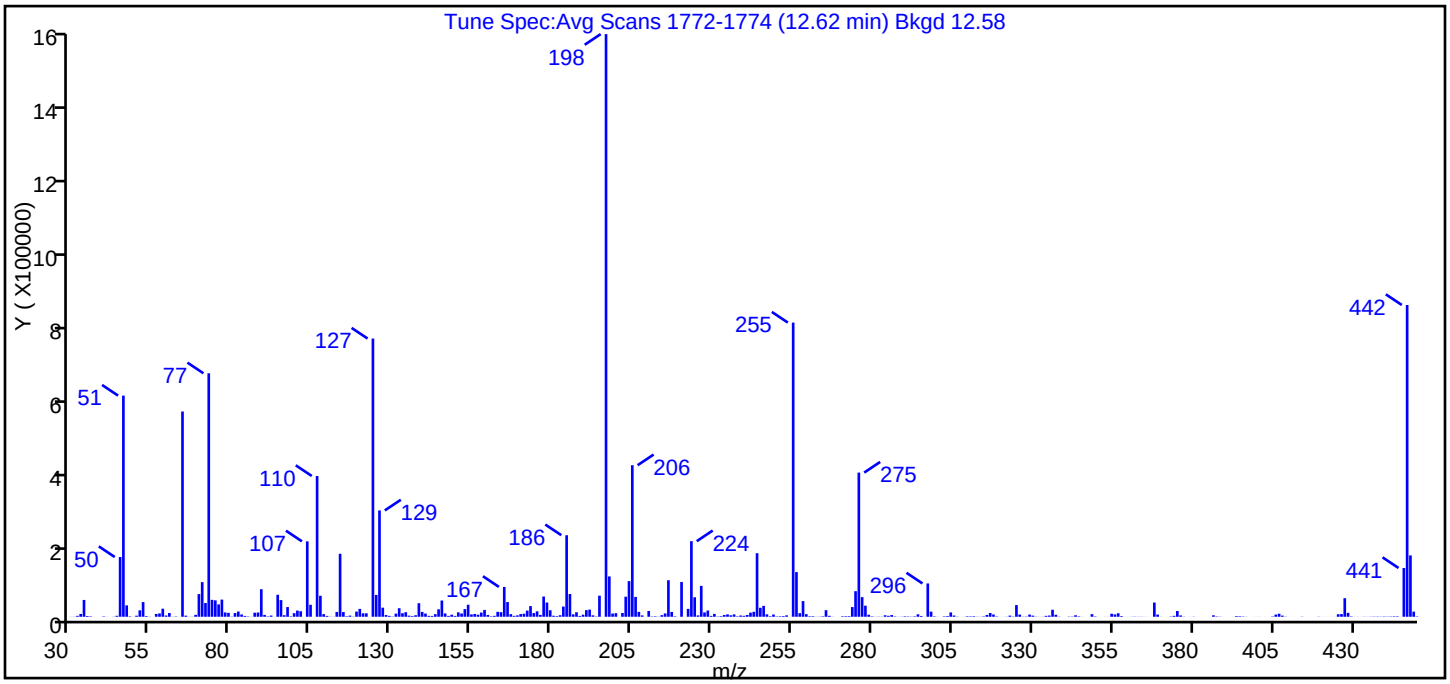
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	12.325	12.325	0.000	646245		
82 DFTPP	198	12.618	12.618	0.000	1865807		
86 Benzidine	184	14.099	14.099	0.000	4349119		
88 4,4'-DDD	235	15.022	15.107	-0.085	331522		
90 4,4'-DDT	235	15.561	15.561	0.000	3282866		

Chrom Revision: 1.0.2009.827

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090831-1.b\B9909.D		
Inj Date:	31-Aug-2009 14:28:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48389	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	37.96
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	35.23
70	Less than 2.00% of mass 69	0.19 (0.55)
127	40.00 - 60.00% of mass 198	47.75
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.92
275	10.00 - 30.00% of mass 198	24.74
365	Greater than 1.00% of mass 198	2.44
441	Present, but less than mass 443%	8.37 (79.46)
442	Greater than 40.00% of mass 198	53.51
443	17.00 - 23.00% of mass 442	10.53 (19.69)

Report Date: 31-Aug-2009 21:01:53 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090831-1.b\B9909.D\8270B.rslt\spectra.d
Injection Date: 31-Aug-2009 14:28:30
Spectrum: Tune Spec:Avg Scans 1772-1774 (12.62 min) Bkgd 12.58
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 84

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	45840	107.00	205568	179.00	55200	229.00	17064
50.00	162816	108.00	32608	180.00	38776	244.00	173312
51.00	602816	110.00	383744	181.00	17824	245.00	24512
52.00	31064	111.00	57224	185.00	27808	246.00	29672
56.00	17544	117.00	171776	186.00	222336	255.00	801856
57.00	40024	123.00	21496	187.00	61992	256.00	121832
63.00	22032	127.00	758336	192.00	18088	258.00	42720
69.00	559488	128.00	59528	193.00	19520	265.00	17968
74.00	61888	129.00	289856	196.00	57520	273.00	26464
75.00	94456	130.00	24800	198.00	1588224	274.00	69752
76.00	37480	135.00	23288	199.00	109944	275.00	392960
77.00	663680	141.00	36968	204.00	54752	276.00	53552
78.00	46152	147.00	20384	205.00	97208	277.00	30176
79.00	44744	148.00	44288	206.00	413120	296.00	90816
80.00	33776	155.00	20944	207.00	54120	323.00	31872
81.00	46824	156.00	32784	217.00	99608	334.00	19200
93.00	75080	161.00	18672	221.00	94688	365.00	38760
98.00	59992	167.00	81408	223.00	21552	423.00	50576
99.00	45424	168.00	40096	224.00	206016	441.00	132928
101.00	26456	174.00	16816	225.00	53104	442.00	849856
104.00	16872	175.00	29088	227.00	84216	443.00	167296

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10140.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	09-Sep-2009 16:53:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	360-0001120-001		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	1
Lims Batch ID:	48761	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\8270B.m		
Last Update:	10-Sep-2009 07:24:30	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:	10-Sep-2009 07:15:12
Reviewed By:	sullivanp	Date:	10-Sep-2009 07:24:30

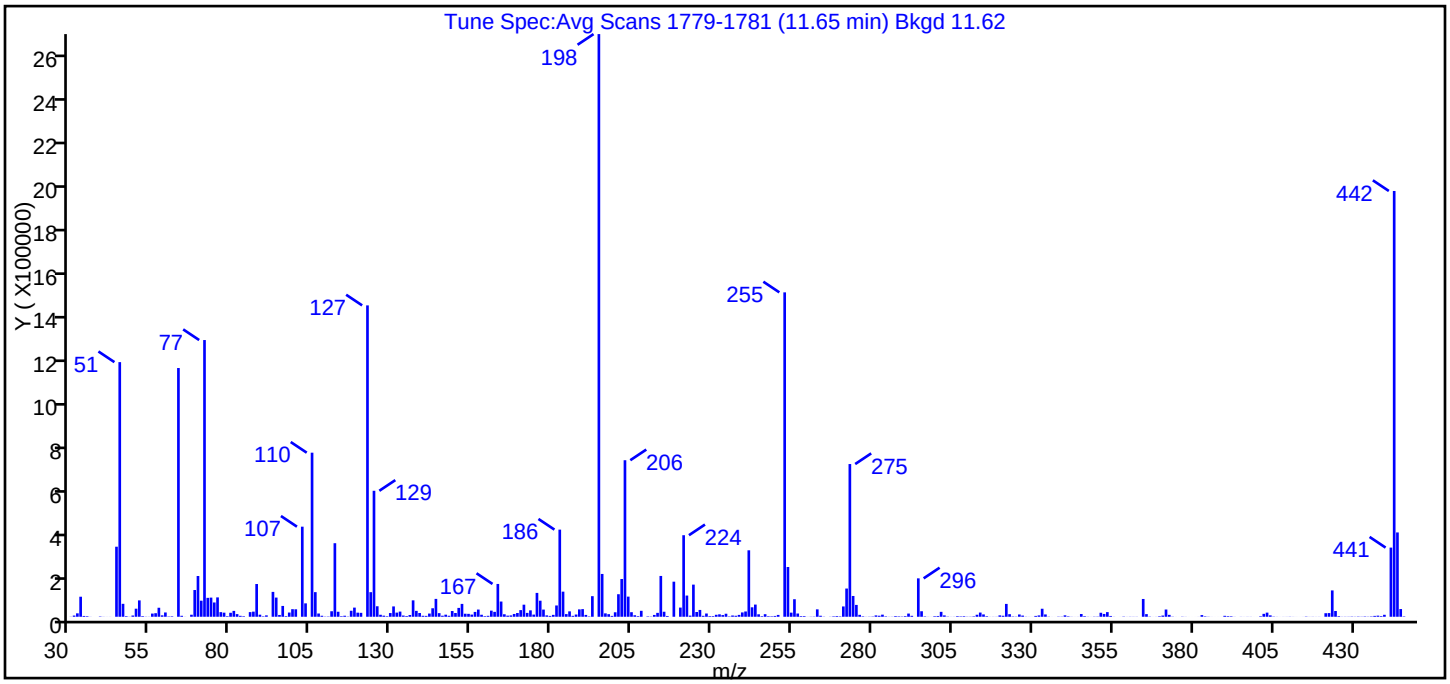
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.344	11.344	0.000	1662674		
82 DFTPP	198	11.651	11.651	0.000	2741260		
86 Benzidine	184	12.671	12.671	0.000	10588627		
88 4,4'-DDD	235	13.339	13.339	0.000	292624		
90 4,4'-DDT	235	13.806	13.806	0.000	5524255		

Chrom Revision: 1.0.2009.827

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10140.D		
Inj Date:	09-Sep-2009 16:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48761	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	43.70
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	42.69
70	Less than 2.00% of mass 69	0.17 (0.39)
127	40.00 - 60.00% of mass 198	53.44
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.35
275	10.00 - 30.00% of mass 198	26.21
365	Greater than 1.00% of mass 198	3.05
441	Present, but less than mass 443%	11.87 (82.02)
442	Greater than 40.00% of mass 198	73.08
443	17.00 - 23.00% of mass 442	14.47 (19.81)

Report Date: 10-Sep-2009 07:24:31 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-4.b\B10140.D\8270B.rslt\spectra.d
Injection Date: 09-Sep-2009 16:53:30
Spectrum: Tune Spec:Avg Scans 1779-1781 (11.65 min) Bkgd 11.62
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	90600	108.00	60624	179.00	107840	245.00	42800
50.00	316672	110.00	741696	180.00	72616	246.00	55096
51.00	1150976	111.00	111312	181.00	32496	255.00	1466368
52.00	58512	117.00	332480	185.00	51064	256.00	224960
56.00	36504	122.00	27192	186.00	393920	258.00	79312
57.00	74072	123.00	41392	187.00	113536	265.00	33560
63.00	40760	127.00	1407488	192.00	33352	273.00	46648
69.00	1124352	128.00	111176	193.00	34568	274.00	127584
74.00	120888	129.00	569472	196.00	93104	275.00	690304
75.00	184256	130.00	47504	198.00	2633728	276.00	94008
76.00	72696	135.00	46768	199.00	193536	277.00	53560
77.00	1250816	141.00	74248	204.00	101920	296.00	173632
78.00	85512	142.00	26696	205.00	170688	323.00	58112
79.00	86608	147.00	38480	206.00	707584	334.00	36272
80.00	64600	148.00	80784	207.00	91016	365.00	80448
81.00	87568	155.00	40048	211.00	26960	372.00	32808
86.00	26560	156.00	58160	217.00	184512	423.00	119096
93.00	148032	161.00	32616	221.00	158592	441.00	312640
98.00	112448	165.00	27744	223.00	41496	442.00	1924608
99.00	86728	167.00	148352	224.00	368640	443.00	381184
101.00	48928	168.00	68832	225.00	95896	444.00	34912
104.00	34256	174.00	30072	227.00	145344		
105.00	33776	175.00	54640	229.00	30872		
107.00	407232	177.00	28992	244.00	300416		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10151.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	09-Sep-2009 23:05:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	360-0001117-001		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	12
Lims Batch ID:	48751	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\8270B.m		
Last Update:	10-Sep-2009 07:41:18	Calib Date:	09-Sep-2009 21:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10149.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	10-Sep-2009 07:41:18

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.344	11.344	0.000	2664610		
82 DFTPP	198	11.652	11.651	0.001	3129491		
86 Benzidine	184	12.676	12.676	0.000	11915520		
88 4,4'-DDD	235	13.340	13.339	0.001	453411		
90 4,4'-DDT	235	13.806	13.806	0.000	6611574		

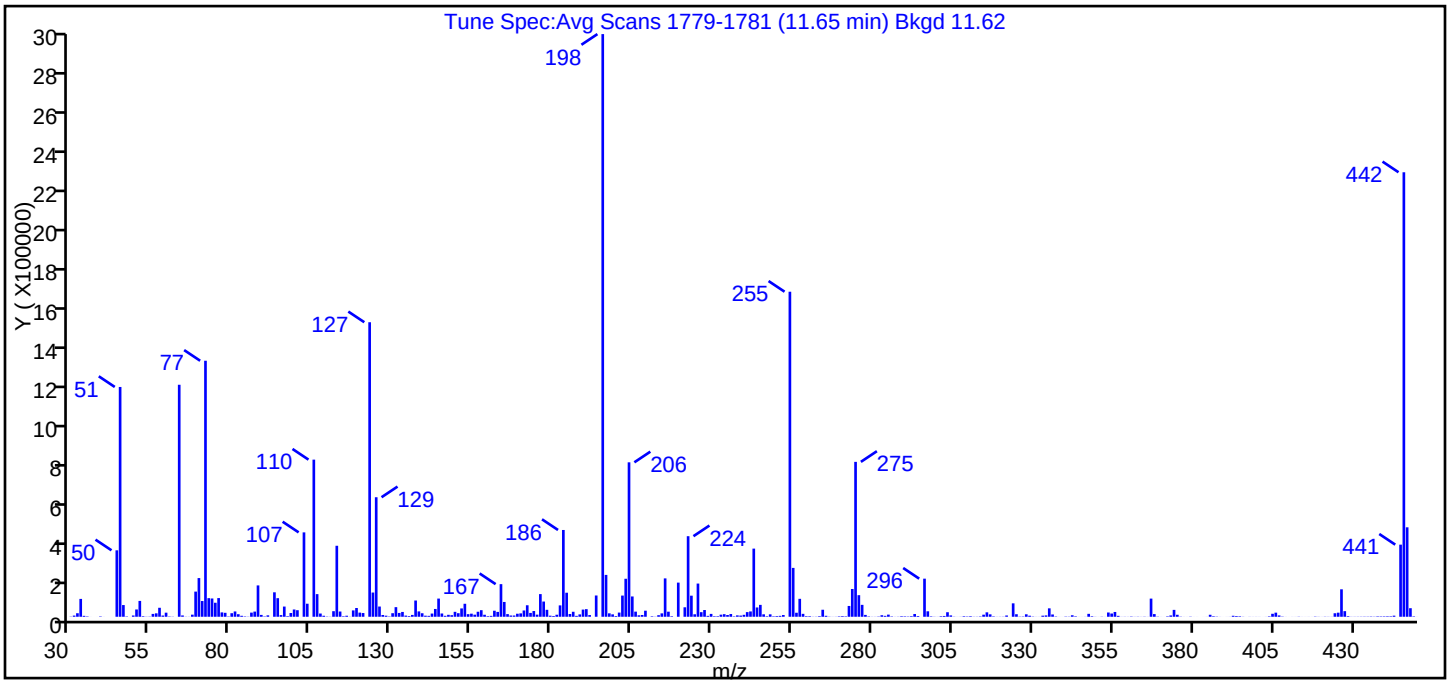
Report Date: 10-Sep-2009 07:41:19

Chrom Revision: 1.0.2009.827

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10151.D		
Inj Date:	09-Sep-2009 23:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	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	39.44
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.82
70	Less than 2.00% of mass 69	0.23 (0.57)
127	40.00 - 60.00% of mass 198	50.55
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.19
275	10.00 - 30.00% of mass 198	26.59
365	Greater than 1.00% of mass 198	3.12
441	Present, but less than mass 443%	12.38 (80.62)
442	Greater than 40.00% of mass 198	76.29
443	17.00 - 23.00% of mass 442	15.35 (20.12)

Report Date: 10-Sep-2009 07:41:19 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-2.b\B10151.D\8270B.rslt\spectra.d
Injection Date: 09-Sep-2009 23:05:30
Spectrum: Tune Spec:Avg Scans 1779-1781 (11.65 min) Bkgd 11.62
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	91432	108.00	66776	180.00	77912	245.00	47632
50.00	340096	110.00	804160	181.00	35584	246.00	60872
51.00	1176064	111.00	115856	185.00	58248	255.00	1663488
52.00	59944	117.00	363328	186.00	444160	256.00	250112
56.00	37328	122.00	32600	187.00	123056	258.00	91816
57.00	81104	123.00	44824	192.00	36752	265.00	35944
63.00	46016	127.00	1507328	193.00	38936	273.00	55304
69.00	1187328	128.00	123992	196.00	108896	274.00	142080
74.00	128760	129.00	611712	198.00	2981888	275.00	792768
75.00	198016	130.00	52384	199.00	214272	276.00	110496
76.00	80584	135.00	49200	204.00	108488	277.00	60984
77.00	1310208	141.00	83176	205.00	194496	296.00	195008
78.00	95232	147.00	39936	206.00	790400	323.00	68752
79.00	93552	148.00	93080	207.00	103928	334.00	43144
80.00	71744	155.00	42696	211.00	31040	365.00	92968
81.00	95600	156.00	66528	217.00	196416	372.00	35272
93.00	160448	161.00	33720	221.00	174784	423.00	140544
98.00	125184	165.00	30928	223.00	48488	441.00	369088
99.00	95144	167.00	166976	224.00	412352	442.00	2274816
101.00	52240	168.00	75800	225.00	107904	443.00	457792
104.00	37240	174.00	32168	227.00	169920	444.00	43848
105.00	33576	175.00	58912	229.00	34480		
107.00	431872	179.00	116008	244.00	348800		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: MB 360-47986/1-A

Matrix: Solid | Lab File ID: B9886.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.00(g) | Date Analyzed: 08/28/2009 11:52

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.: 48213 | 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.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: MB 360-47986/1-A

Matrix: Solid | Lab File ID: B9886.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.00(g) | Date Analyzed: 08/28/2009 11:52

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.: 48213 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	4.17	J	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	ND		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	4.98	J	33	4.7
131-11-3	Dimethyl phthalate	ND		33	4.9
84-74-2	Di-n-butyl phthalate	30.2	J	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.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: MB 360-47986/1-A

Matrix: Solid | Lab File ID: B9886.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.00(g) | Date Analyzed: 08/28/2009 11:52

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.: 48213 | 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	73	30-130	
321-60-8	2-Fluorobiphenyl	74	30-130	
367-12-4	2-Fluorophenol	97	30-130	
4165-60-0	Nitrobenzene-d5	70	30-130	
4165-62-2	Phenol-d5	98	30-130	
1718-51-0	Terphenyl-d14	76	30-130	

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

Lab Name: TestAmerica Westfield
Job No.: 360-24194-2
SDG No.: OCRI-02A
Client Sample ID:
Lab Sample ID: MB 360-47986/1-A
Matrix: Solid
Lab File ID: B9886.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3546
Date Extracted: 08/20/2009 12:53
Sample wt/vol: 30.00(g)
Date Analyzed: 08/28/2009 11:52
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.: 48213
Units: ug/Kg
Number TICs Found: 6
TIC Result Total: 1915.7

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.86	21.2	T J
	Unknown	4.97	87.7	T J
71-43-2	Benzene	5.13	41.5	T J N
	Unknown	7.16	1680	T J
	Unknown	7.69	48.0	T J
96-48-0	Butyrolactone	7.78	37.3	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9886.D		
Lims ID:	MB 360-47986/1-A	Client ID:	
Inject. Date:	28-Aug-2009 11:52:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-47986/1-A		
Misc. Info.:	360-0000975-017		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	49
Lims Batch ID:	48213	Lims Sample ID:	17
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\8270B.m		
Last Update:	28-Aug-2009 13:55:06	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	28-Aug-2009 13:55:06

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.603	8.592	0.011	539525	2.00	
* 2 Naphthalene-d8	136	9.714	9.712	0.002	1359797	2.00	
* 3 Acenaphthene-d10	164	11.229	11.232	-0.003	678169	2.00	
* 4 Phenanthrene-d10	188	12.556	12.559	-0.003	1182847	2.00	
* 5 Chrysene-d12	240	16.446	16.454	-0.008	887716	2.00	
* 6 Perylene-d12	264	19.447	19.450	-0.003	516691	2.00	
$ 7 2-Fluorophenol	112	7.430	7.380	0.050	1483601	9.75	
$ 8 Phenol-d5	99	8.219	8.202	0.017	1842407	9.82	
$ 9 Nitrobenzene-d5	82	9.079	9.077	0.002	741170	3.48	
$ 10 2-Fluorobiphenyl	172	10.604	10.607	-0.002	1672533	3.69	
$ 11 2,4,6-Tribromophenol	330	11.907	11.910	-0.003	321704	7.28	
$ 12 Terphenyl-d14	244	14.542	14.545	-0.003	1468026	3.78	
17 Benzaldehyde	94	8.233	8.217	0.016	18350	0.0888	
25 1,2-Dichlorobenzene	146	8.762	8.750	0.012	3184	0.0157	
30 Acetophenone	105	8.930	8.923	0.007	28496	0.1250	
46 2-Methylnaphthalene	142	10.320	10.318	0.002	4911	0.0126	
47 1-Methylnaphthalene	142	10.407	10.414	-0.007	5172	0.0129	
66 Diethyl phthalate	149	11.498	11.501	-0.003	57697	0.1494	
81 Anthracene	178	12.633	12.636	-0.003	6638	0.0108	
83 Carbazole	167	12.768	12.770	-0.002	7801	0.0158	
84 Di-n-butyl phthalate	149	12.989	12.992	-0.003	564017	0.9074	
85 Pyrene	202	14.417	14.420	-0.003	10544	0.0159	
89 Butyl benzyl phthalate	149	15.360	15.362	-0.002	25145	0.1756	
92 Bis(2-ethylhexyl) phthalate	149	16.249	16.252	-0.003	83319	0.2983	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9886.D		
Lims ID:	MB 360-47986/1-A	Client ID:	
Inject. Date:	28-Aug-2009 11:52:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-47986/1-A		
Misc. Info.:	360-0000975-017		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	49
Lims Batch ID:	48213	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\8270B.m		
Last Update:	28-Aug-2009 13:55:06	Calib Date:	27-Aug-2009 13:43:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	28-Aug-2009 13:55:06

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
4.857	700265	0.6365	1			
		Unknown				
4.973	2893854	2.63	1			
71-43-2		Benzene				
5.131	1369965	1.25	1	96	30179	
		Unknown				
7.161	55423260	50.4	1			
		Unknown				
7.690	1583607	1.44	1			
96-48-0		Butyrolactone				
7.781	1231068	1.12	1	91	108973	

Quantitation Compounds

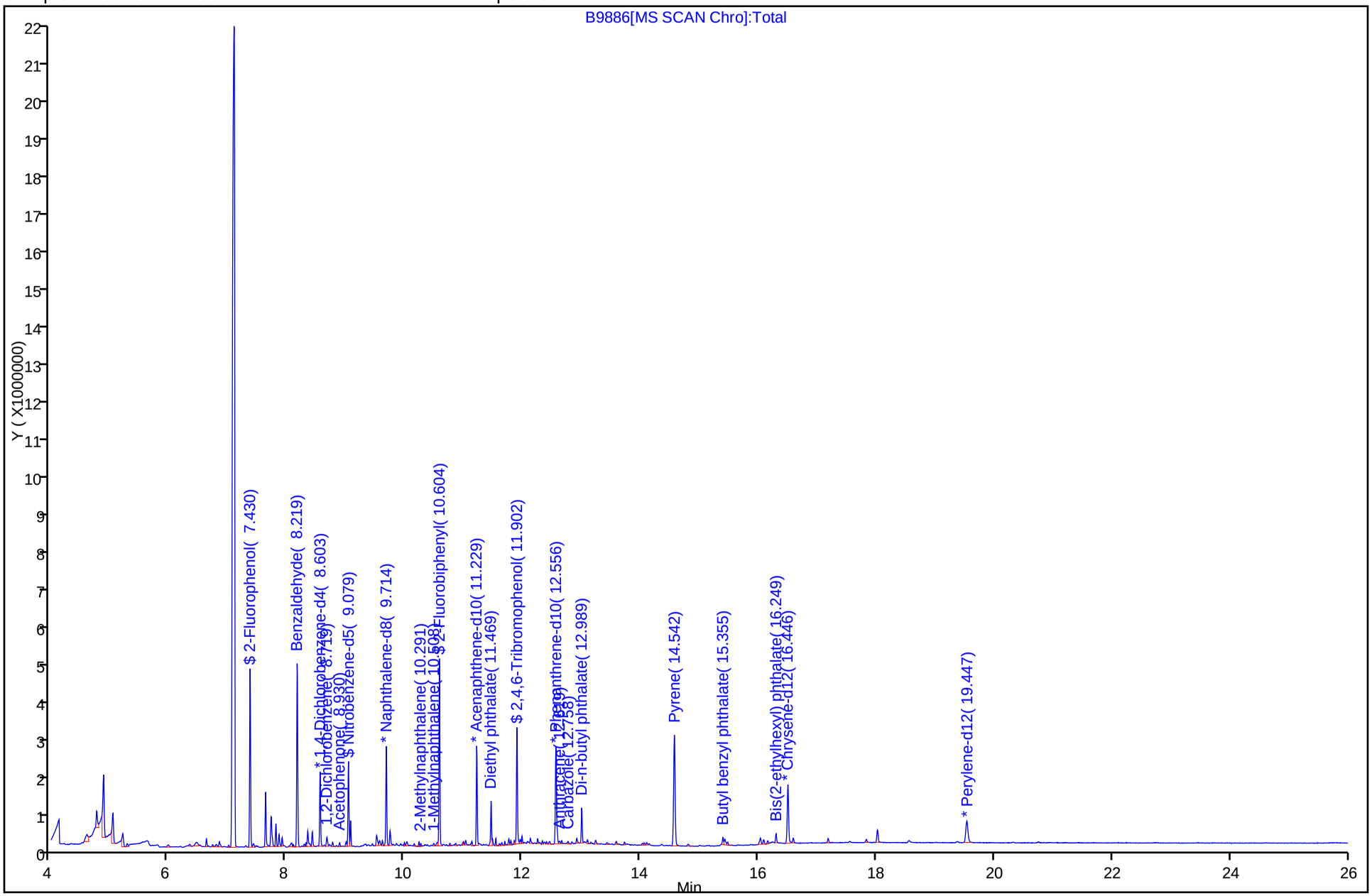
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	8.603	2200480	2.00

QC Flag Legend

Processing Flags

Report Date: 28-Aug-2009 13:55:07 Chrom Revision: 1.0.2009.827

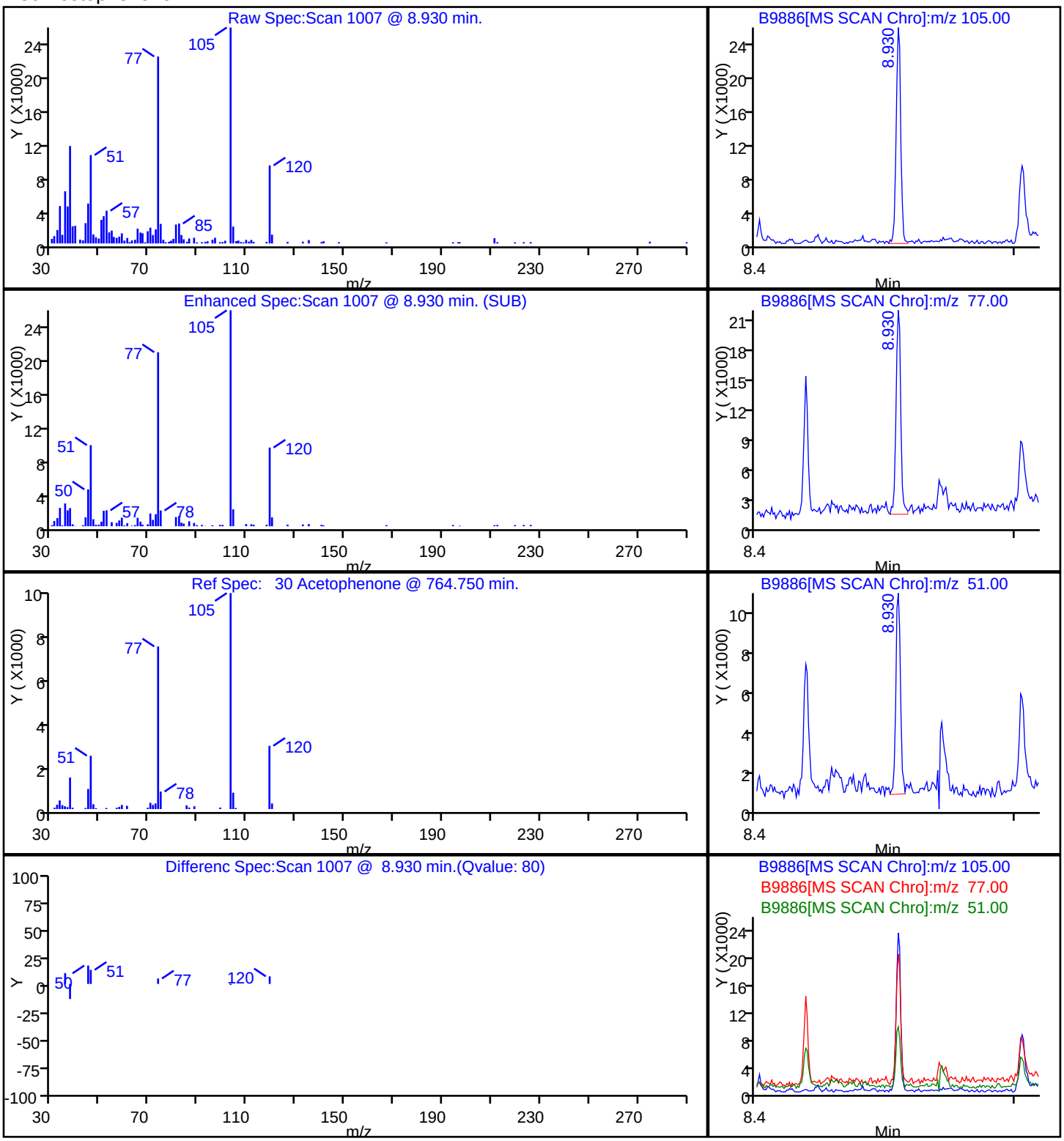
Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9886.D		
Inj Date:	28-Aug-2009 11:52:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	17
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-47986/1-A		
Sample Amount:	2.00 uL	Operator:	MZ



Report Date: 28-Aug-2009 13:55:07 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9886.D		
Inj Date:	28-Aug-2009 11:52:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	17
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-47986/1-A		
Sample Amount:	2.00 uL	Operator:	MZ

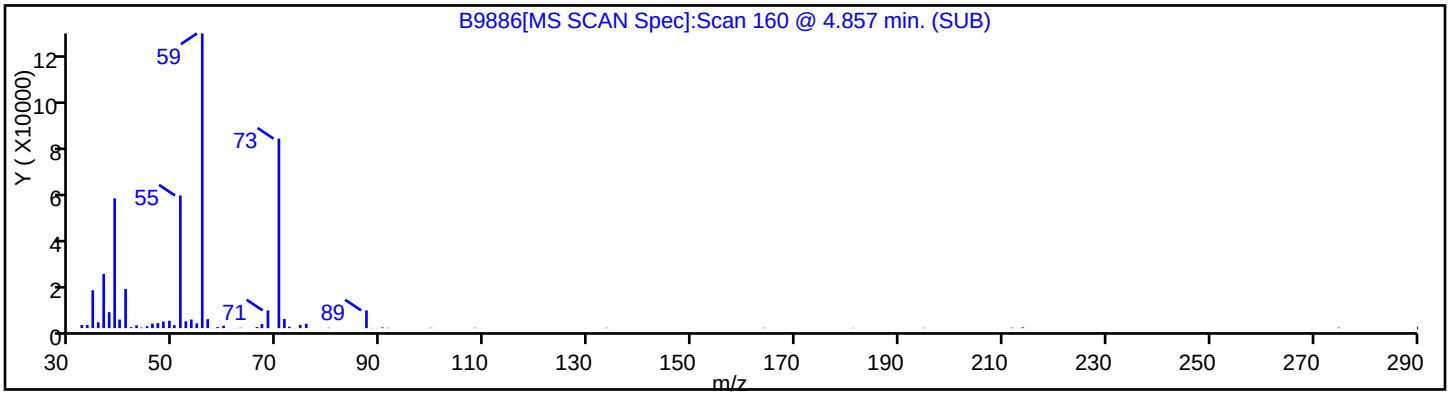
30 Acetophenone



Report Date: 28-Aug-2009 13:55:10 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9886.D		
Inj Date:	28-Aug-2009 11:52:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	17
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-47986/1-A		
Sample Amount:	2.00 uL	Operator:	MZ

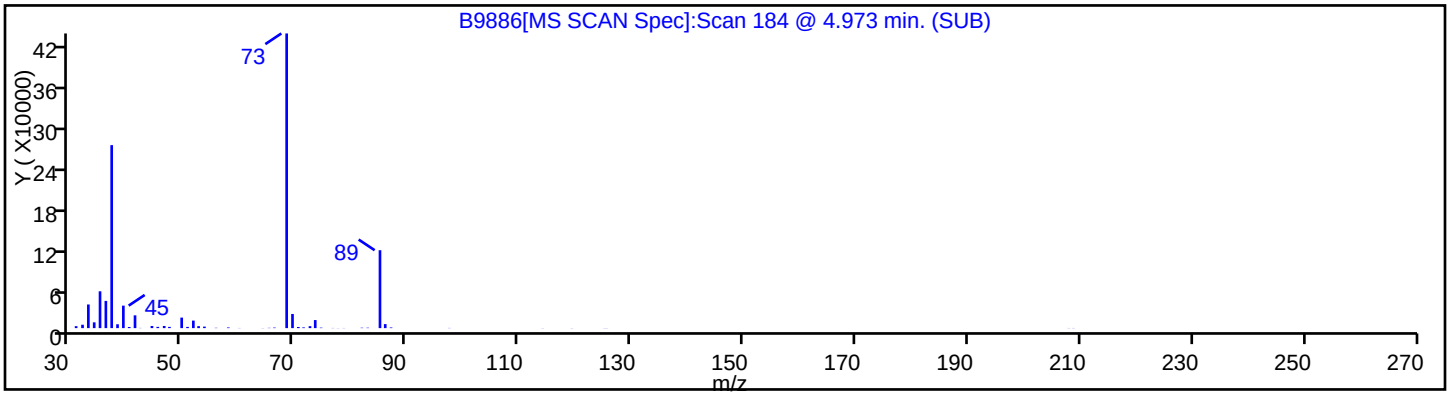
No Library Matches Found above the Threshold: 85



Report Date: 28-Aug-2009 13:55:10 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9886.D		
Inj Date:	28-Aug-2009 11:52:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	17
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-47986/1-A		
Sample Amount:	2.00 uL	Operator:	MZ

No Library Matches Found above the Threshold: 85



Report Date: 28-Aug-2009 13:55:10 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090826-4.b\B9886.D

Inj Date: 28-Aug-2009 11:52:30 Limit Group: SMS - 8270LL SVOA Calibration

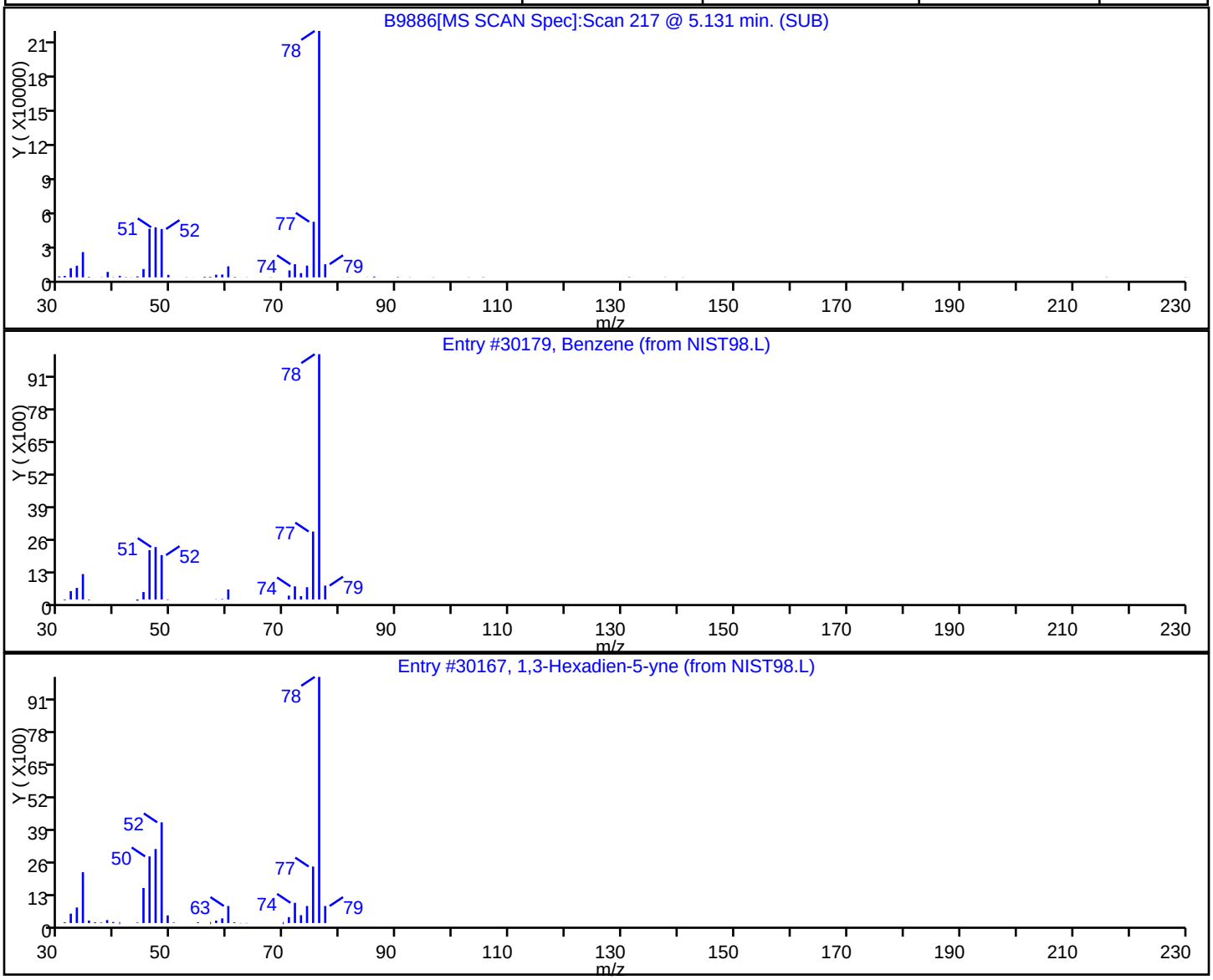
Lims Batch ID: 48213 Lims Sample ID: 17

Client ID: Instrument: Inst. B

Sample Info: MB 360-47986/1-A

Sample Amount: 2.00 uL Operator: MZ

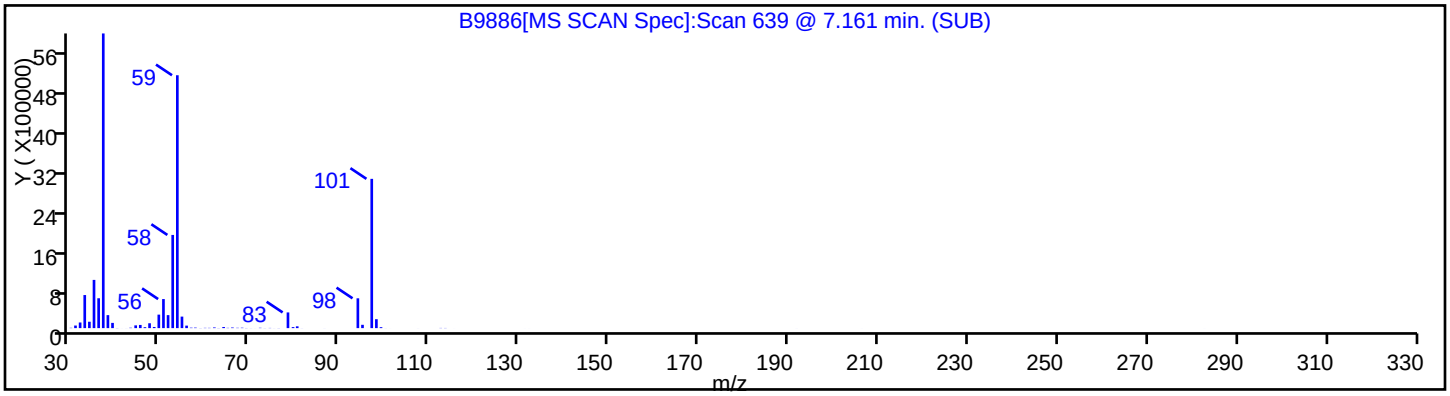
Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzene	71-43-2	NIST98.L	30179	96
1,3-Hexadien-5-yne	10420-90-3	NIST98.L	30167	91



Report Date: 28-Aug-2009 13:55:10 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9886.D		
Inj Date:	28-Aug-2009 11:52:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	17
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-47986/1-A		
Sample Amount:	2.00 uL	Operator:	MZ

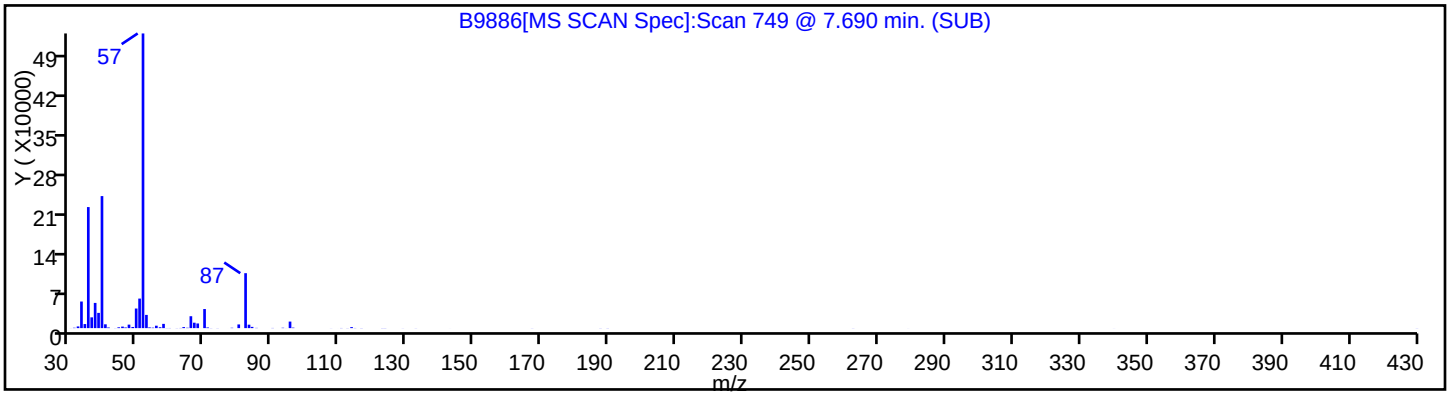
No Library Matches Found above the Threshold: 85



Report Date: 28-Aug-2009 13:55:10 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9886.D		
Inj Date:	28-Aug-2009 11:52:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	17
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-47986/1-A		
Sample Amount:	2.00 uL	Operator:	MZ

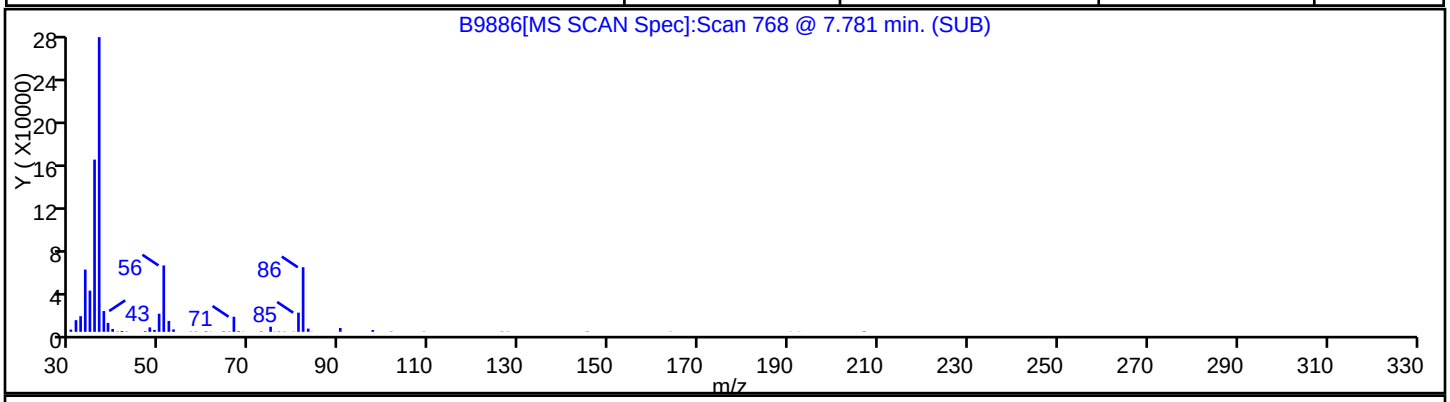
No Library Matches Found above the Threshold: 85

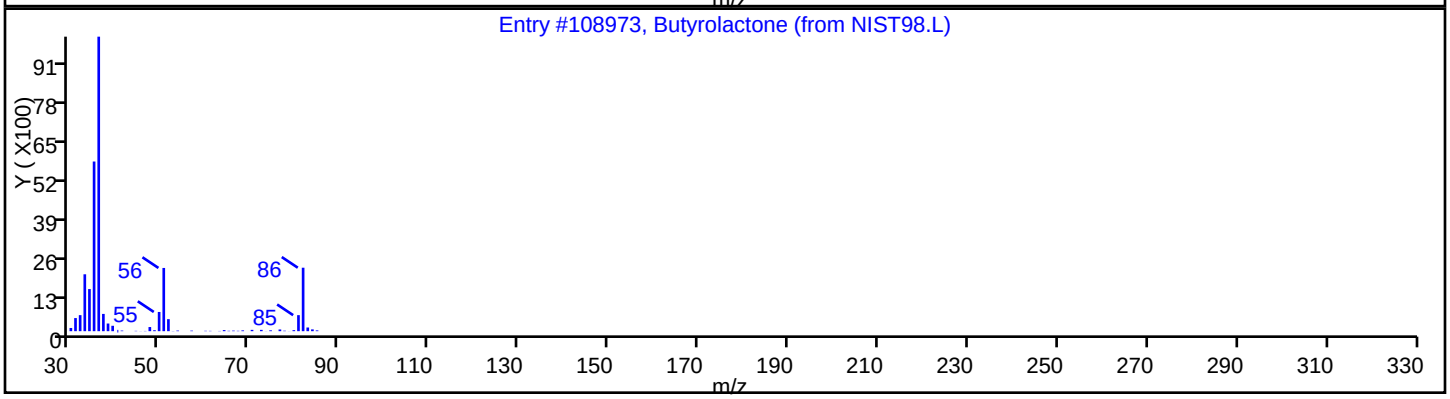


Report Date: 28-Aug-2009 13:55:10 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9886.D		
Inj Date:	28-Aug-2009 11:52:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48213	Lims Sample ID:	17
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-47986/1-A		
Sample Amount:	2.00 uL	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butyrolactone	96-48-0	NIST98.L	108973	91





FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: MB 360-48119/1-A

Matrix: Solid | Lab File ID: B10153.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.00(g) | Date Analyzed: 09/10/2009 00:13

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.: 48751 | 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.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: MB 360-48119/1-A

Matrix: Solid | Lab File ID: B10153.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.00(g) | Date Analyzed: 09/10/2009 00:13

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.: 48751 | 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	ND		170	14
119-61-9	Benzophenone	2.11	J	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	13.8	J	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	4.70	J	33	4.7
131-11-3	Dimethyl phthalate	ND		33	4.9
84-74-2	Di-n-butyl phthalate	23.2	J	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.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: MB 360-48119/1-A

Matrix: Solid | Lab File ID: B10153.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.00(g) | Date Analyzed: 09/10/2009 00:13

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.: 48751 | 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	66	30-130	
321-60-8	2-Fluorobiphenyl	69	30-130	
367-12-4	2-Fluorophenol	91	30-130	
4165-60-0	Nitrobenzene-d5	69	30-130	
4165-62-2	Phenol-d5	82	30-130	
1718-51-0	Terphenyl-d14	70	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: MB 360-48119/1-A

Matrix: Solid | Lab File ID: B10153.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.00(g) | Date Analyzed: 09/10/2009 00:13

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.: 48751 | Units: ug/Kg

Number TICs Found: 6 | TIC Result Total: 3396.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q
541-5-9	Cyclotrisiloxane, hexamethyl-	5.75	21.6	T J N
	Unknown	6.08	3280	T J
111-76-2	Ethanol, 2-butoxy-	6.65	35.7	T J N
	Unknown	6.76	28.2	T J
111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	7.44	18.1	T J N
541-2-6	Cyclopentasiloxane, decamethyl-	8.28	13.2	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10153.D		
Lims ID:	MB 360-48119/1-A	Client ID:	
Inject. Date:	10-Sep-2009 00:13:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-48119/1-A		
Misc. Info.:	360-0001117-003		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	14
Lims Batch ID:	48751	Lims Sample ID:	3
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\8270B.m		
Last Update:	10-Sep-2009 07:59:45	Calib Date:	09-Sep-2009 21:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10149.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	10-Sep-2009 07:59:45

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.571	7.574	-0.003	651374	2.00	
* 2 Naphthalene-d8	136	8.706	8.705	0.001	1582717	2.00	
* 3 Acenaphthene-d10	164	10.216	10.215	0.001	770019	2.00	
* 4 Phenanthrene-d10	188	11.461	11.461	0.000	1312921	2.00	
* 5 Chrysene-d12	240	14.760	14.760	0.000	1100934	2.00	
* 6 Perylene-d12	264	17.184	17.183	0.001	804945	2.00	
$ 7 2-Fluorophenol	112	6.383	6.359	0.024	1507732	9.15	
$ 8 Phenol-d5	99	7.258	7.253	0.005	1802310	8.19	
$ 9 Nitrobenzene-d5	82	8.090	8.090	0.000	764063	3.43	
$ 10 2-Fluorobiphenyl	172	9.610	9.614	-0.004	1730559	3.45	
$ 11 2,4,6-Tribromophenol	330	10.884	10.884	0.000	314200	6.62	
$ 12 Terphenyl-d14	244	12.942	12.942	0.000	1465339	3.52	
22 1,4-Dichlorobenzene	146	7.537	7.542	-0.005	3006	0.0126	
30 Acetophenone	105	7.941	7.946	-0.005	21007	0.0801	
44 Caprolactam	55	9.014	9.023	-0.009	32852	0.4132	
66 Diethyl phthalate	149	10.538	10.538	0.000	68272	0.1410	
13 Benzophenone	105	10.788	10.788	0.000	24510	0.0632	
84 Di-n-butyl phthalate	149	11.885	11.884	0.001	559184	0.6956	
89 Butyl benzyl phthalate	149	13.592	13.596	-0.004	11611	0.0373	
92 Bis(2-ethylhexyl) phthalate	149	14.664	14.663	0.001	42905	0.1113	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10153.D		
Lims ID:	MB 360-48119/1-A	Client ID:	
Inject. Date:	10-Sep-2009 00:13:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-48119/1-A		
Misc. Info.:	360-0001117-003		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	14
Lims Batch ID:	48751	Lims Sample ID:	3
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\8270B.m		
Last Update:	10-Sep-2009 07:59:45	Calib Date:	09-Sep-2009 21:58:30
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:	10-Sep-2009 07:59:45

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
541-5-9	Cyclotrisiloxane, hexamethyl-					
5.748	851305	0.6490	1	72	126481	
	Unknown					
6.080	128934280	98.3	1			
111-76-2	Ethanol, 2-butoxy-					
6.653	1403714	1.07	1	76	112447	
	Unknown					
6.758	1107981	0.8447	1			
111-90-0	Ethanol, 2-(2-ethoxyethoxy)-					
7.441	713022	0.5436	1	74	110887	
541-2-6	Cyclopentasiloxane, decamethyl-					
8.283	672968	0.3947	2	87	115273	

Quantitation Compounds

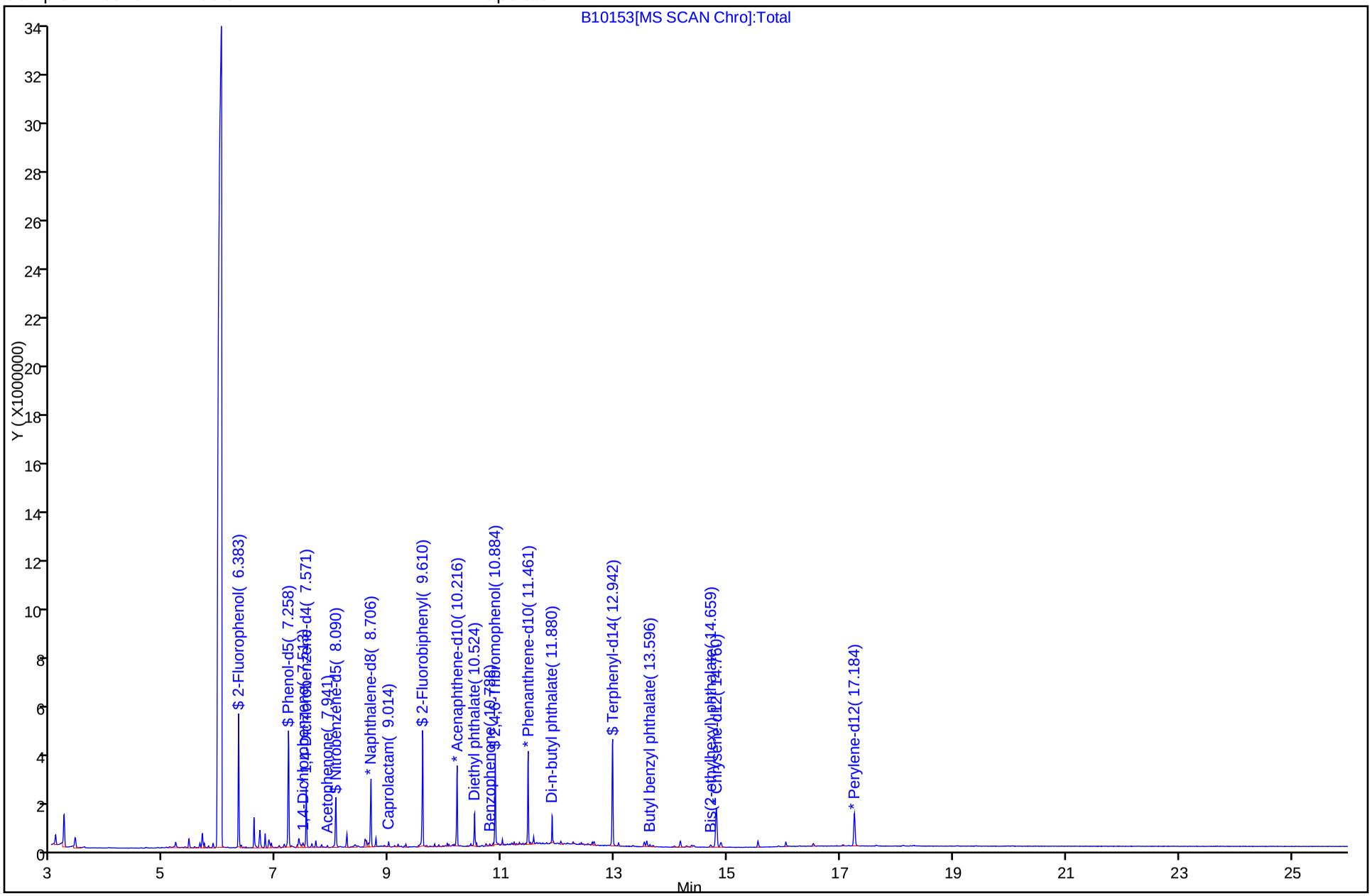
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.571	2623346	2.00
* 2 Naphthalene-d8	8.706	3410103	2.00

QC Flag Legend

Processing Flags

Report Date: 10-Sep-2009 07:59:46 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10153.D		
Inj Date:	10-Sep-2009 00:13:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-48119/1-A		
Sample Amount:	2.00 uL	Operator:	MZ



Report Date: 10-Sep-2009 07:59:48 Chrom Revision: 1.0.2009.827

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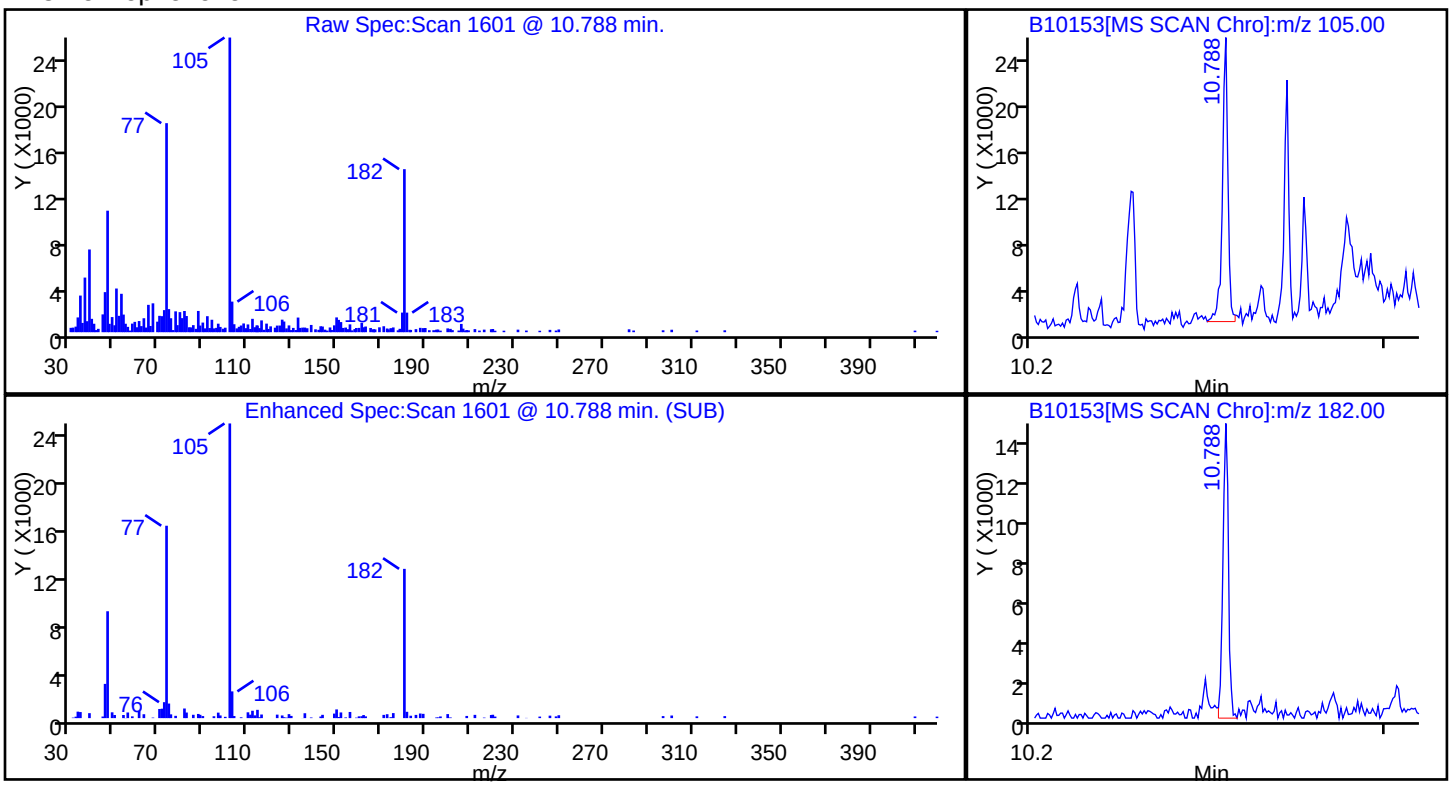
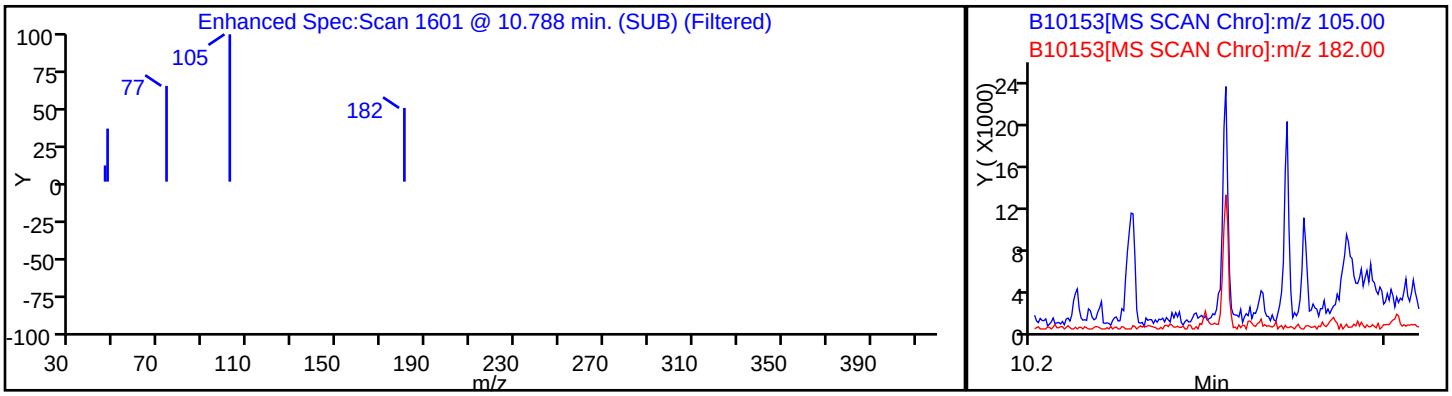
Lims Batch ID:	48751	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-48119/1-A		
Sample Amount:	2.00 uL	Operator:	MZ

13 Benzophenone





Report Date: 10-Sep-2009 07:59:47 Chrom Revision: 1.0.2009.827

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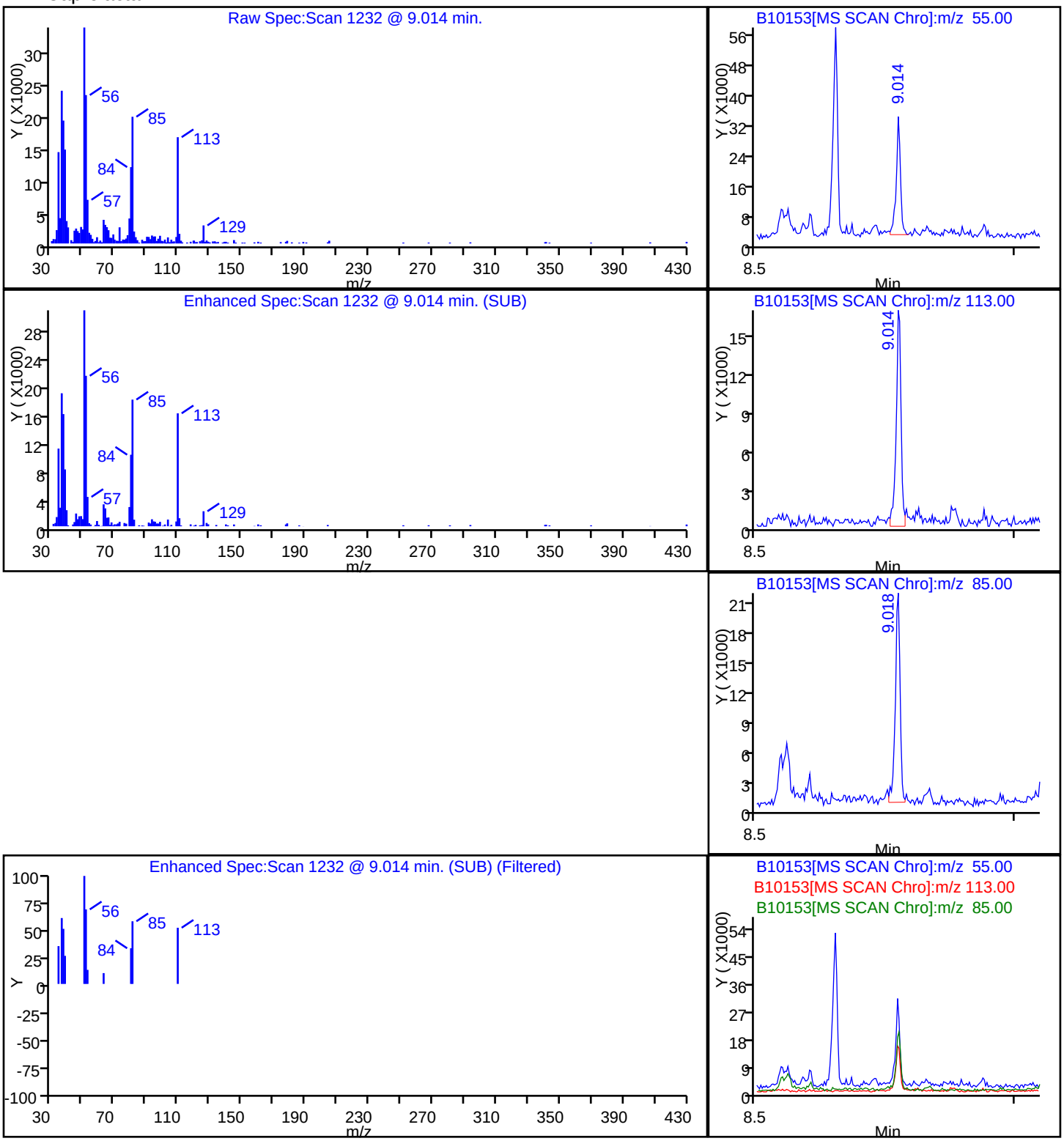
Inj Date:	10-Sep-2009 00:13:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-48119/1-A		
Sample Amount:	2.00 uL	Operator:	MZ

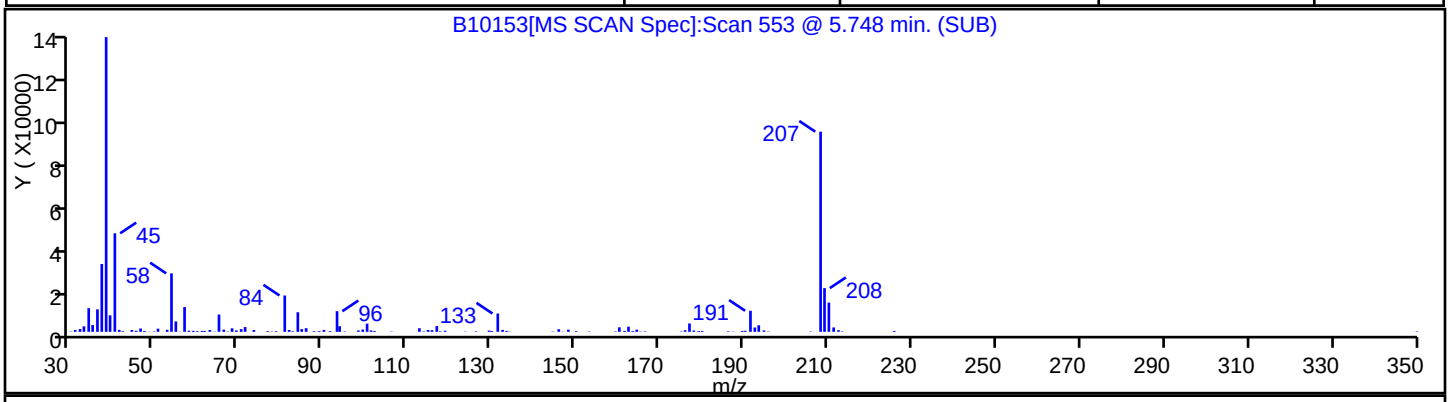
44 Caprolactam

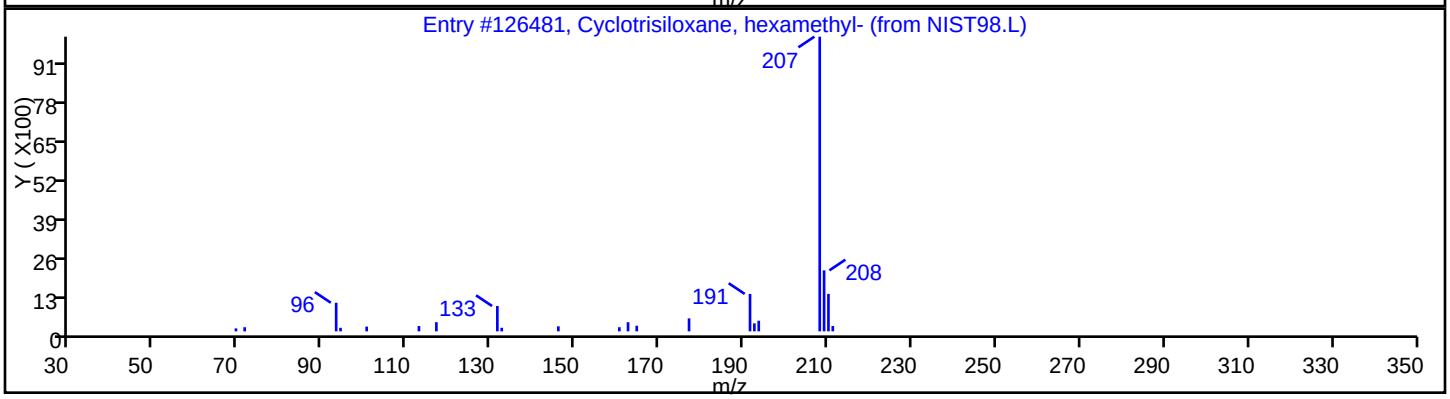


Report Date: 10-Sep-2009 07:59:48 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10153.D		
Inj Date:	10-Sep-2009 00:13:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-48119/1-A		
Sample Amount:	2.00 uL	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotrisiloxane, hexamethyl-	541-5-9	NIST98.L	126481	72

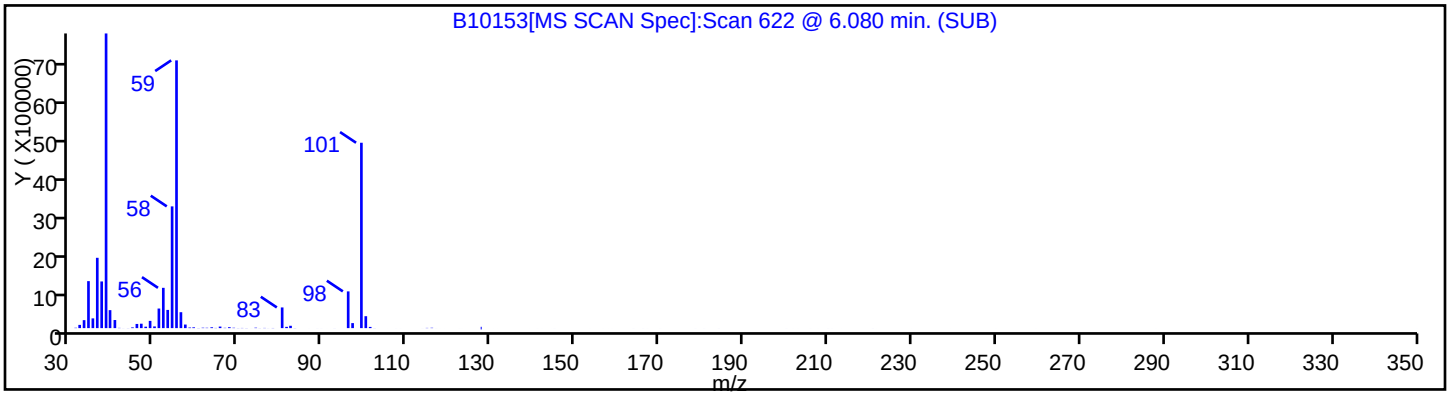




Report Date: 10-Sep-2009 07:59:49 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10153.D		
Inj Date:	10-Sep-2009 00:13:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-48119/1-A		
Sample Amount:	2.00 uL	Operator:	MZ

No Library Matches Found above the Threshold: 50



Report Date: 10-Sep-2009 07:59:49 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-2.b\B10153.D

Inj Date: 10-Sep-2009 00:13:30 Limit Group: SMS - 8270LL SVOA Calibration

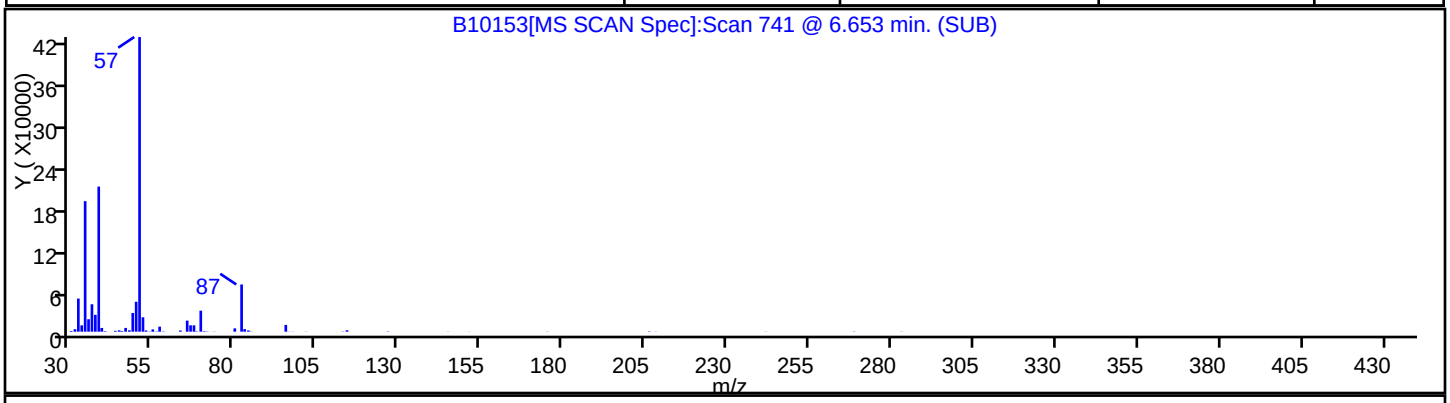
Lims Batch ID: 48751 Lims Sample ID: 3

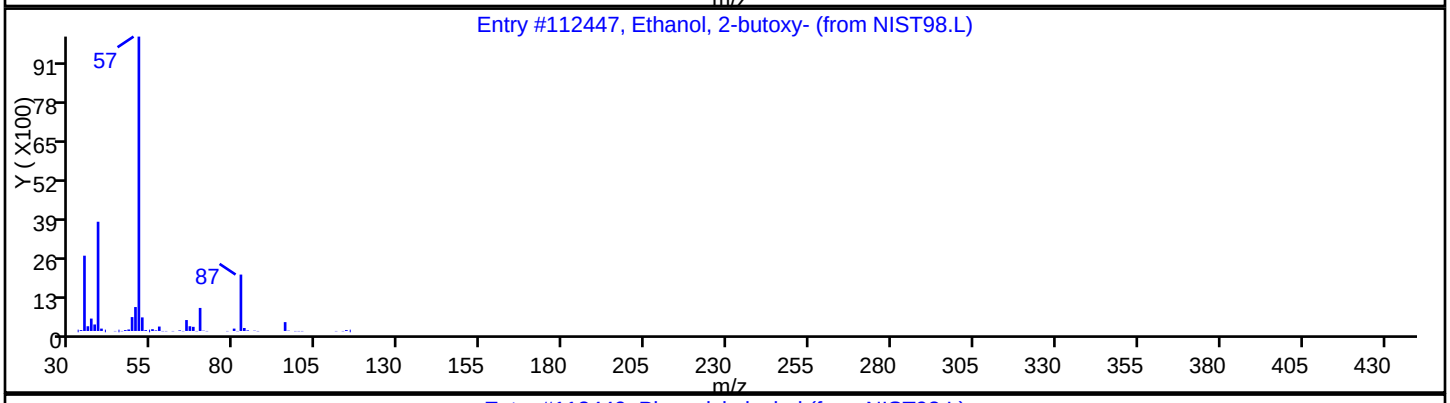
Client ID: Instrument: Inst. B

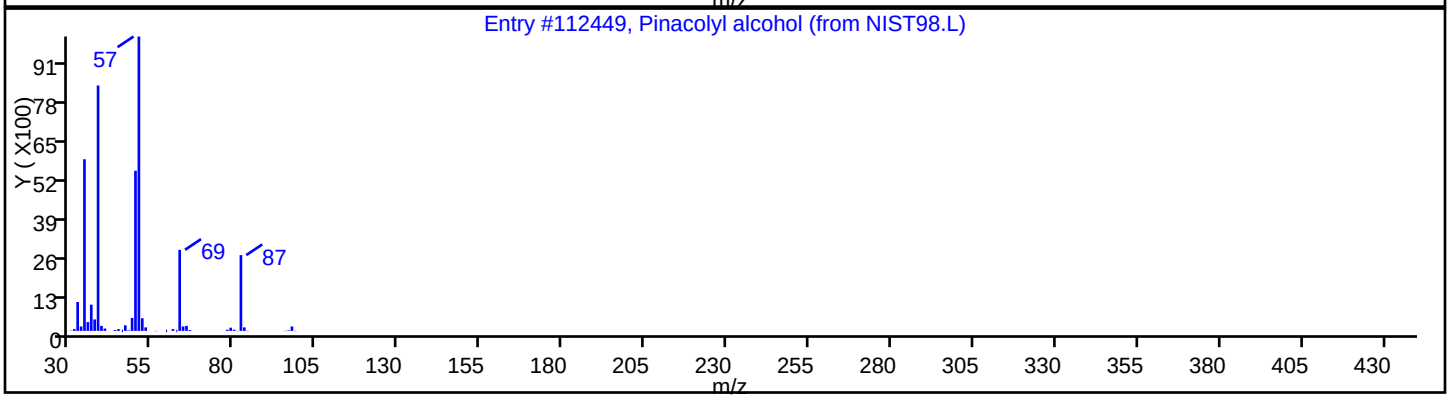
Sample Info: MB 360-48119/1-A

Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Ethanol, 2-butoxy-	111-76-2	NIST98.L	112447	76
Pinacolyl alcohol	464-7-3	NIST98.L	112449	52



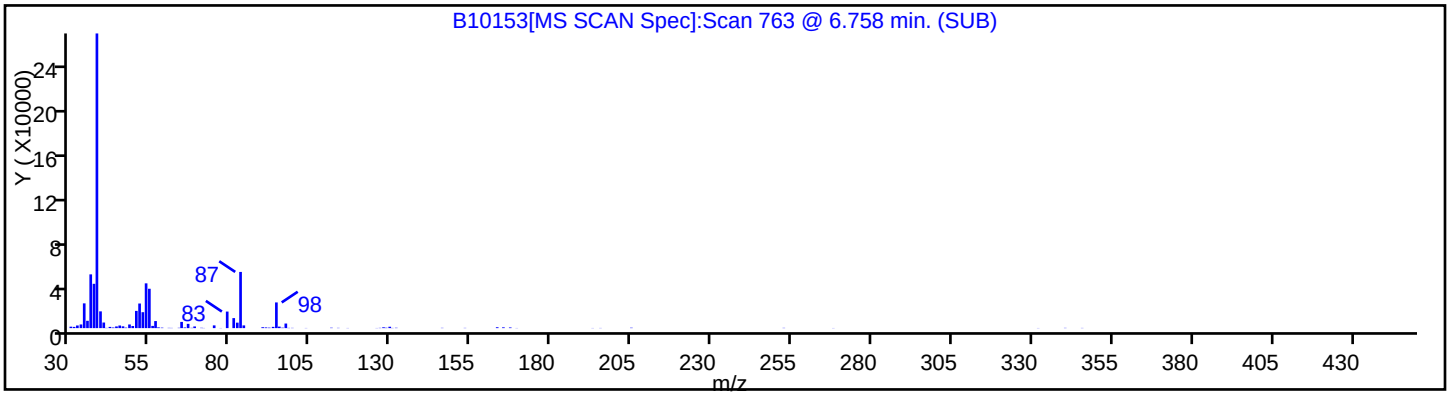




Report Date: 10-Sep-2009 07:59:49 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10153.D		
Inj Date:	10-Sep-2009 00:13:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-48119/1-A		
Sample Amount:	2.00 uL	Operator:	MZ

No Library Matches Found above the Threshold: 50



Report Date: 10-Sep-2009 07:59:49 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-2.b\B10153.D

Inj Date: 10-Sep-2009 00:13:30 Limit Group: SMS - 8270LL SVOA Calibration

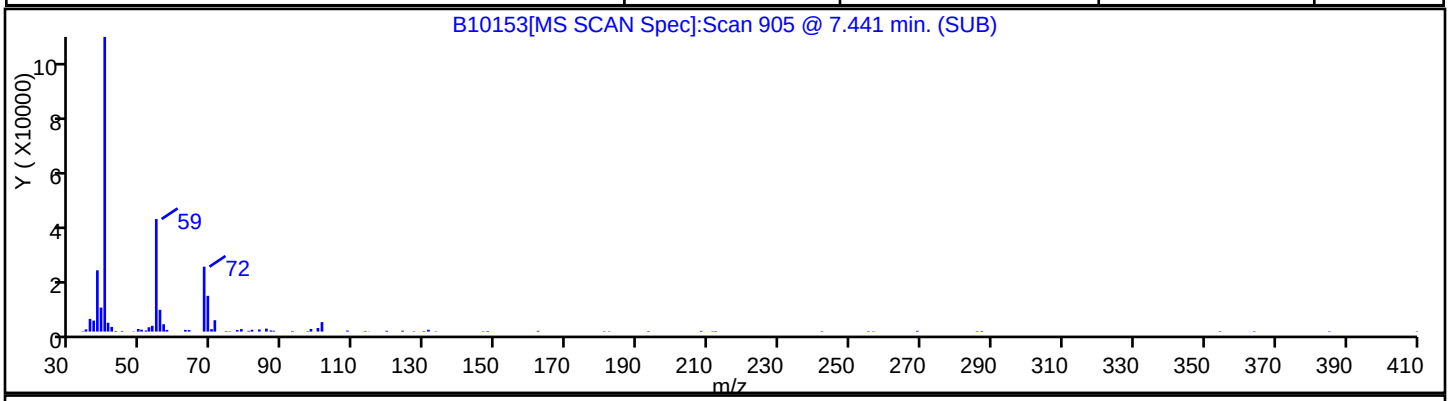
Lims Batch ID: 48751 Lims Sample ID: 3

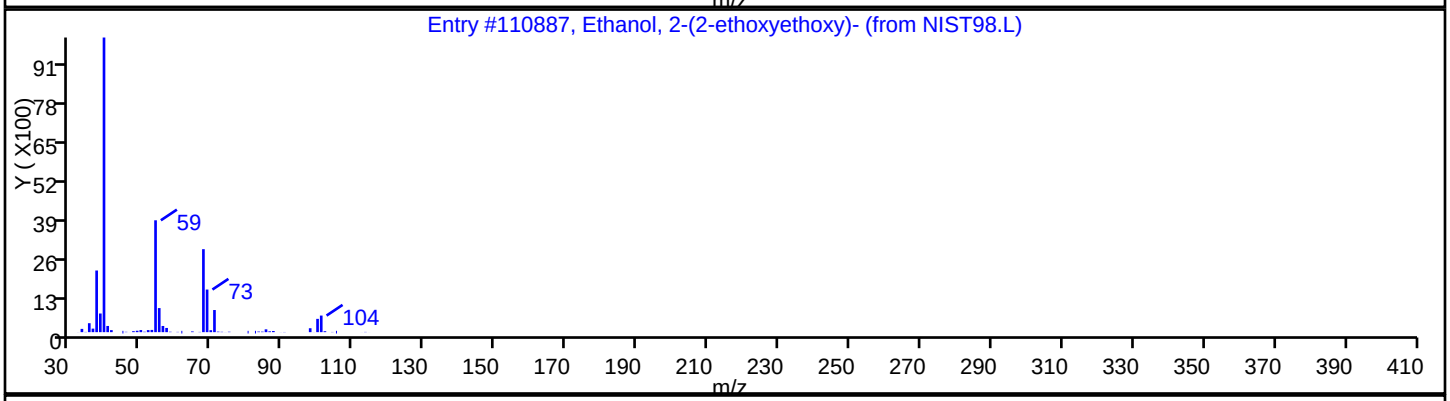
Client ID: Instrument: Inst. B

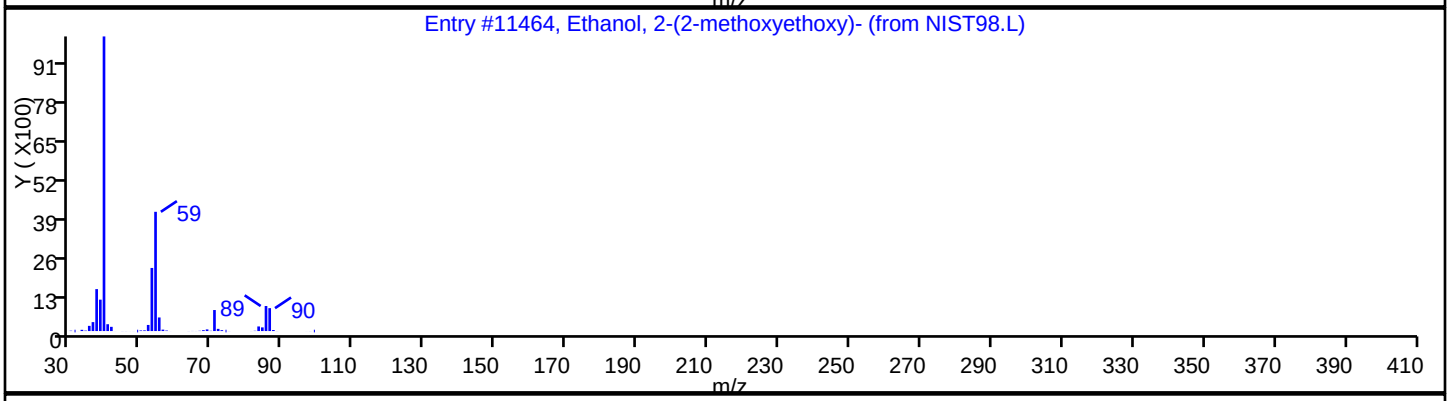
Sample Info: MB 360-48119/1-A

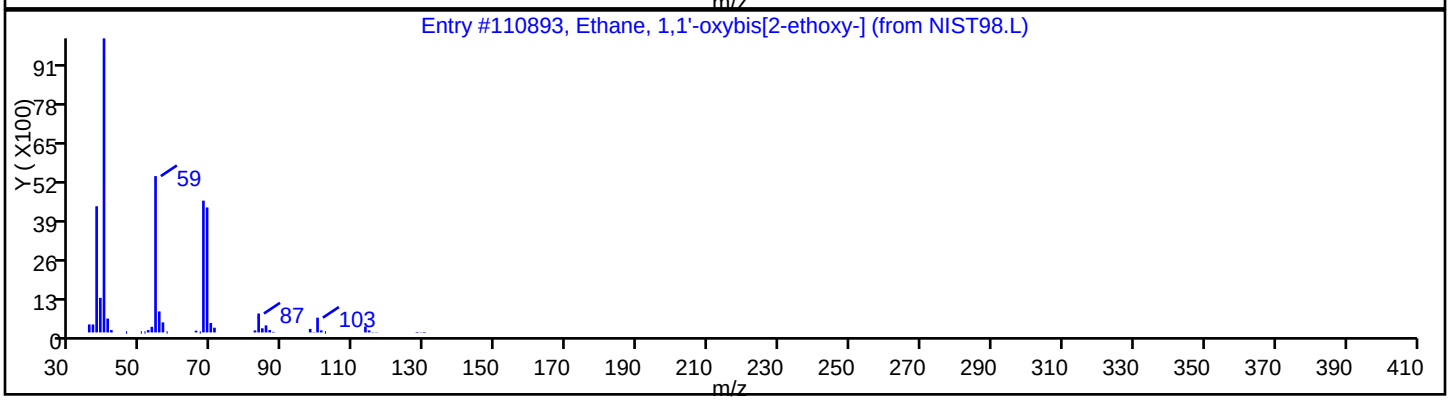
Sample Amount: 2.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Ethanol, 2-(2-ethoxyethoxy)-	111-90-0	NIST98.L	110887	74
Ethanol, 2-(2-methoxyethoxy)-	111-77-3	NIST98.L	11464	59
Ethane, 1,1'-oxybis[2-ethoxy-]	112-36-7	NIST98.L	110893	50





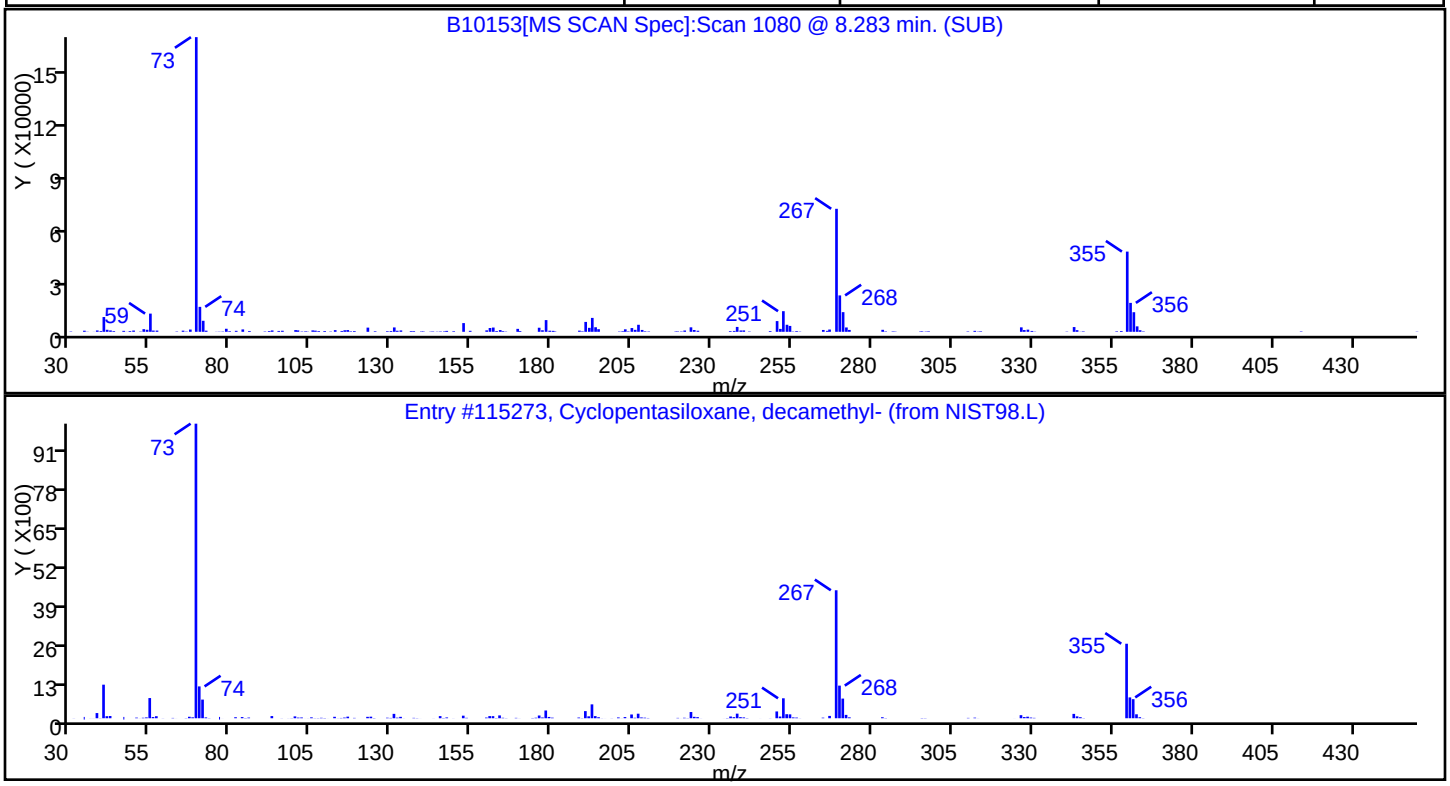




Report Date: 10-Sep-2009 07:59:49 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10153.D		
Inj Date:	10-Sep-2009 00:13:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-48119/1-A		
Sample Amount:	2.00 uL	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclopentasiloxane, decamethyl-	541-2-6	NIST98.L	115273	87



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: LCS 360-47986/2-A

Matrix: Solid | Lab File ID: B9887.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.00(g) | Date Analyzed: 08/28/2009 12:25

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.: 48213 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	252		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	258		33	2.2
120-82-1	1,2,4-Trichlorobenzene	236		33	6.5
95-50-1	1,2-Dichlorobenzene	219		33	3.6
541-73-1	1,3-Dichlorobenzene	238		33	9.7
106-46-7	1,4-Dichlorobenzene	238		33	6.0
90-12-0	1-Methylnaphthalene	245		33	2.0
108-60-1	2,2'-oxybis[1-chloropropane]	272		33	3.4
58-90-2	2,3,4,6-Tetrachlorophenol	253		33	2.0
95-95-4	2,4,5-Trichlorophenol	307		33	3.8
88-06-2	2,4,6-Trichlorophenol	292		33	7.0
120-83-2	2,4-Dichlorophenol	302		33	6.4
105-67-9	2,4-Dimethylphenol	339		33	5.8
51-28-5	2,4-Dinitrophenol	237		33	4.9
121-14-2	2,4-Dinitrotoluene	307		33	4.7
606-20-2	2,6-Dinitrotoluene	284		33	4.2
91-58-7	2-Chloronaphthalene	220		33	5.1
95-57-8	2-Chlorophenol	260		33	3.3
91-57-6	2-Methylnaphthalene	264		33	25
95-48-7	2-Methylphenol	274		33	4.8
88-74-4	2-Nitroaniline	316		170	21
88-75-5	2-Nitrophenol	292		33	3.9
15831-10-4	3 & 4 Methylphenol	284		33	6.3
91-94-1	3,3'-Dichlorobenzidine	334		67	24
99-09-2	3-Nitroaniline	285		170	9.5
534-52-1	4,6-Dinitro-2-methylphenol	298		170	8.5
101-55-3	4-Bromophenyl phenyl ether	278		33	6.9
59-50-7	4-Chloro-3-methylphenol	320		67	9.2
106-47-8	4-Chloroaniline	230		67	14
7005-72-3	4-Chlorophenyl phenyl ether	291		33	5.3
100-01-6	4-Nitroaniline	345		170	8.9
100-02-7	4-Nitrophenol	329		170	6.5
83-32-9	Acenaphthene	298		33	4.9
208-96-8	Acenaphthylene	276		33	5.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: LCS 360-47986/2-A

Matrix: Solid | Lab File ID: B9887.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.00(g) | Date Analyzed: 08/28/2009 12:25

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.: 48213 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	251		33	3.6
62-53-3	Aniline	94.2		33	17
120-12-7	Anthracene	325		33	11
1912-24-9	Atrazine	302		33	10
103-33-3	Azobenzene	280		33	4.1
100-52-7	Benzaldehyde	267		33	10
56-55-3	Benzo[a]anthracene	351		33	6.4
50-32-8	Benzo[a]pyrene	324		33	6.1
205-99-2	Benzo[b]fluoranthene	318		33	7.6
191-24-2	Benzo[g,h,i]perylene	336		33	6.5
207-08-9	Benzo[k]fluoranthene	339		33	9.2
65-85-0	Benzoic acid	160	J	170	14
119-61-9	Benzophenone	293		33	2.0
100-51-6	Benzyl alcohol	276		67	7.7
111-91-1	Bis(2-chloroethoxy)methane	262		33	6.0
111-44-4	Bis(2-chloroethyl)ether	291		33	8.1
117-81-7	Bis(2-ethylhexyl) phthalate	304		33	11
85-68-7	Butyl benzyl phthalate	295		33	7.3
105-60-2	Caprolactam	318		33	10
86-74-8	Carbazole	336		33	33
218-01-9	Chrysene	327		33	7.2
53-70-3	Dibenz(a,h)anthracene	327		33	6.7
132-64-9	Dibenzofuran	269		33	19
84-66-2	Diethyl phthalate	321		33	4.7
131-11-3	Dimethyl phthalate	301		33	4.9
84-74-2	Di-n-butyl phthalate	344		33	10
117-84-0	Di-n-octyl phthalate	284		33	9.4
101-84-8	Diphenyl oxide	252		33	10
206-44-0	Fluoranthene	326		33	21
86-73-7	Fluorene	328		33	13
118-74-1	Hexachlorobenzene	276		33	7.9
87-68-3	Hexachlorobutadiene	240		33	6.6
77-47-4	Hexachlorocyclopentadiene	264		67	9.1
67-72-1	Hexachloroethane	229		33	6.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: LCS 360-47986/2-A

Matrix: Solid | Lab File ID: B9887.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.00(g) | Date Analyzed: 08/28/2009 12:25

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.: 48213 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	321		33	10
78-59-1	Isophorone	253		33	7.1
91-20-3	Naphthalene	226		80	74
98-95-3	Nitrobenzene	288		33	4.5
62-75-9	N-Nitrosodimethylamine	242		33	3.9
621-64-7	N-Nitrosodi-n-propylamine	278		33	3.8
86-30-6	N-Nitrosodiphenylamine	221		33	6.7
87-86-5	Pentachlorophenol	224		33	6.9
85-01-8	Phenanthrene	287		40	38
108-95-2	Phenol	267		33	4.2
129-00-0	Pyrene	275		33	8.8

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	78	30-130	
321-60-8	2-Fluorobiphenyl	73	30-130	
367-12-4	2-Fluorophenol	71	30-130	
4165-60-0	Nitrobenzene-d5	80	30-130	
4165-62-2	Phenol-d5	73	30-130	
1718-51-0	Terphenyl-d14	67	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9887.D		
Lims ID:	LCS 360-47986/2-A	Client ID:	
Inject. Date:	28-Aug-2009 12:25:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 360-47986/2-A		
Misc. Info.:	360-0000975-018		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	50
Lims Batch ID:	48213	Lims Sample ID:	18
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\8270B.m		
Last Update:	28-Aug-2009 14:01:02	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	28-Aug-2009 14:01:02

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.607	8.592	0.015	744043	2.00	
* 2 Naphthalene-d8	136	9.718	9.712	0.006	1497923	2.00	
* 3 Acenaphthene-d10	164	11.232	11.232	0.000	716981	2.00	
* 4 Phenanthrene-d10	188	12.560	12.559	0.001	1198196	2.00	
* 5 Chrysene-d12	240	16.455	16.454	0.001	1061701	2.00	
* 6 Perylene-d12	264	19.455	19.450	0.005	664754	2.00	
$ 7 2-Fluorophenol	112	7.433	7.380	0.053	1484843	7.07	
$ 8 Phenol-d5	99	8.227	8.202	0.025	1883936	7.28	
$ 9 Nitrobenzene-d5	82	9.083	9.077	0.006	943098	4.01	
$ 10 2-Fluorobiphenyl	172	10.607	10.607	0.001	1756739	3.67	
$ 11 2,4,6-Tribromophenol	330	11.910	11.910	0.000	349284	7.79	
$ 12 Terphenyl-d14	244	14.546	14.545	0.001	1560949	3.36	
14 1,4-Dioxane	88	5.693	5.528	0.165	394037	4.50	M
15 N-Nitrosodimethylamine	42	6.063	5.932	0.131	950976	7.25	M
16 Pyridine	79	5.972	5.985	-0.013	887	0.1264	
17 Benzaldehyde	94	8.236	8.217	0.019	2287236	8.02	
18 Phenol	94	8.236	8.217	0.019	2287236	8.02	
19 Aniline	93	8.313	8.293	0.020	896691	2.83	
20 Bis(2-chloroethyl)ether	93	8.333	8.318	0.015	2001657	8.72	
21 2-Chlorophenol	128	8.429	8.409	0.020	1792863	7.80	
22 1,4-Dichlorobenzene	146	8.563	8.548	0.015	1791827	7.13	
23 1,3-Dichlorobenzene	146	8.621	8.606	0.015	1857935	7.15	
24 Benzyl alcohol	79	8.693	8.683	0.010	1368497	8.27	
26 2-Methylphenol	108	8.693	8.683	0.010	1078759	8.21	
28 3 & 4 Methylphenol	108	8.765	8.750	0.015	1792546	8.52	
25 1,2-Dichlorobenzene	146	8.761	8.750	0.011	1831047	6.56	
27 2,2'-oxybis[1-chloropropane]	45	8.789	8.779	0.010	2772508	8.15	
29 N-Nitrosodi-n-propylamine	70	8.910	8.899	0.011	1244941	8.34	
30 Acetophenone	105	8.934	8.923	0.011	2365577	7.53	
31 Hexachloroethane	117	9.064	9.053	0.011	678092	6.87	
32 Nitrobenzene	77	9.097	9.092	0.005	1746903	8.64	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	9.285	9.279	0.006	2808809	7.58	
35 2,4-Dimethylphenol	107	9.347	9.342	0.005	1774723	10.2	
34 2-Nitrophenol	139	9.371	9.366	0.005	934212	8.75	
36 Benzoic acid	105	9.347	9.395	-0.048	61343	4.79	
37 Bis(2-chloroethoxy)methane	93	9.429	9.424	0.005	2012188	7.85	
38 2,4-Dichlorophenol	162	9.568	9.563	0.005	1503260	9.06	
39 1,2,4-Trichlorobenzene	180	9.650	9.650	0.000	1509507	7.07	
40 Alpha-Terpineol	59	9.689	9.683	0.006	1433302	8.37	
41 Naphthalene	128	9.737	9.731	0.006	4900984	6.79	
42 4-Chloroaniline	127	9.751	9.746	0.005	2283119	6.89	
43 Hexachlorobutadiene	225	9.809	9.808	0.001	759601	7.20	
44 Caprolactam	55	10.078	10.068	0.010	894940	9.54	
45 4-Chloro-3-methylphenol	107	10.126	10.121	0.005	1632017	9.61	
46 2-Methylnaphthalene	142	10.319	10.318	0.001	3393042	7.91	
47 1-Methylnaphthalene	142	10.410	10.414	-0.004	3245899	7.35	
48 Hexachlorocyclopentadiene	237	10.444	10.443	0.001	560444	7.93	
49 1,2,4,5-Tetrachlorobenzene	216	10.463	10.462	0.001	1456331	7.73	
50 2,4,6-Trichlorophenol	196	10.549	10.549	0.000	1051891	8.76	
51 2,4,5-Trichlorophenol	196	10.598	10.587	0.011	1158256	9.21	
52 1,1'-Biphenyl	154	10.703	10.707	-0.004	4011166	7.56	
53 2-Chloronaphthalene	162	10.751	10.751	0.000	3221712	6.59	
54 Phenyl ether	170	10.785	10.784	0.001	2252838	7.57	
55 2-Nitroaniline	65	10.819	10.818	0.001	1036534	9.48	
56 Dimethyl phthalate	163	10.920	10.919	0.001	3803843	9.03	
57 2,6-Dinitrotoluene	165	10.997	10.996	0.001	889609	8.51	
58 Acenaphthylene	152	11.122	11.121	0.001	4898576	8.27	
59 3-Nitroaniline	138	11.170	11.169	0.001	825857	8.56	
60 2,4-Dinitrophenol	184	11.247	11.246	0.001	148186	7.11	
62 4-Nitrophenol	109	11.261	11.256	0.005	471364	9.86	
61 Acenaphthene	153	11.261	11.265	-0.004	3849732	8.95	
63 2,4-Dinitrotoluene	165	11.353	11.352	0.001	1168507	9.22	
64 Dibenzofuran	168	11.405	11.405	0.000	4542187	8.07	
65 2,3,4,6-Tetrachlorophenol	232	11.497	11.496	0.001	705681	7.58	
66 Diethyl phthalate	149	11.502	11.501	0.001	3926688	9.62	
67 4-Chlorophenyl phenyl ether	204	11.656	11.655	0.001	1900599	8.74	
68 4-Nitroaniline	138	11.699	11.698	0.001	924253	10.3	
69 Fluorene	166	11.699	11.703	-0.004	4535711	9.83	
70 4,6-Dinitro-2-methylphenol	198	11.704	11.703	0.001	419581	8.95	
72 N-Nitrosodiphenylamine	169	11.752	11.751	0.001	2671735	6.64	
73 1,2-Diphenylhydrazine	77	11.795	11.794	0.001	5825752	8.40	
74 Azobenzene	77	11.795	11.794	0.001	5825752	8.40	
13 Benzophenone	105	11.809	11.809	0.000	3953171	8.79	
75 4-Bromophenyl phenyl ether	248	12.083	12.083	0.000	970974	8.33	
77 Atrazine	200	12.160	12.160	0.000	1079502	9.07	
76 Hexachlorobenzene	284	12.189	12.189	0.000	977346	8.28	
78 Pentachlorophenol	266	12.358	12.352	0.006	414081	6.73	
79 Pentachloronitrobenzene	237	12.367	12.367	0.000	400143	8.61	
80 Phenanthrene	178	12.584	12.588	-0.004	5790415	8.61	
81 Anthracene	178	12.637	12.636	0.000	6072751	9.74	
83 Carbazole	167	12.771	12.770	0.001	5058405	10.1	
84 Di-n-butyl phthalate	149	12.992	12.992	0.000	6502099	10.3	
87 Fluoranthene	202	14.031	14.030	0.001	5729785	9.79	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	14.146	14.146	0.000	25990	0.9679	
85 Pyrene	202	14.421	14.420	0.001	6539808	8.24	
89 Butyl benzyl phthalate	149	15.363	15.362	0.001	2947298	8.85	
92 Bis(2-ethylhexyl) phthalate	149	16.253	16.252	0.001	4128629	9.12	
91 3,3'-Dichlorobenzidine	252	16.325	16.324	0.001	1201001	10.0	
93 Benzo[a]anthracene	228	16.435	16.435	0.000	5275632	10.5	
94 Chrysene	228	16.503	16.497	0.006	5059964	9.82	
95 Di-n-octyl phthalate	149	17.421	17.421	0.000	6325832	8.51	
97 Benzo[b]fluoranthene	252	18.532	18.522	0.010	4174229	9.53	
98 Benzo[k]fluoranthene	252	18.590	18.584	0.006	4199941	10.2	
99 Benzo[a]pyrene	252	19.326	19.320	0.006	3374793	9.73	
100 Indeno[1,2,3-cd]pyrene	276	22.639	22.633	0.006	2404518	9.63	
101 Dibenz(a,h)anthracene	278	22.658	22.653	0.005	1935918	9.81	
102 Benzo[g,h,i]perylene	276	23.620	23.609	0.011	1981387	10.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 28-Aug-2009 14:01:03 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090826-4.b\B9887.D

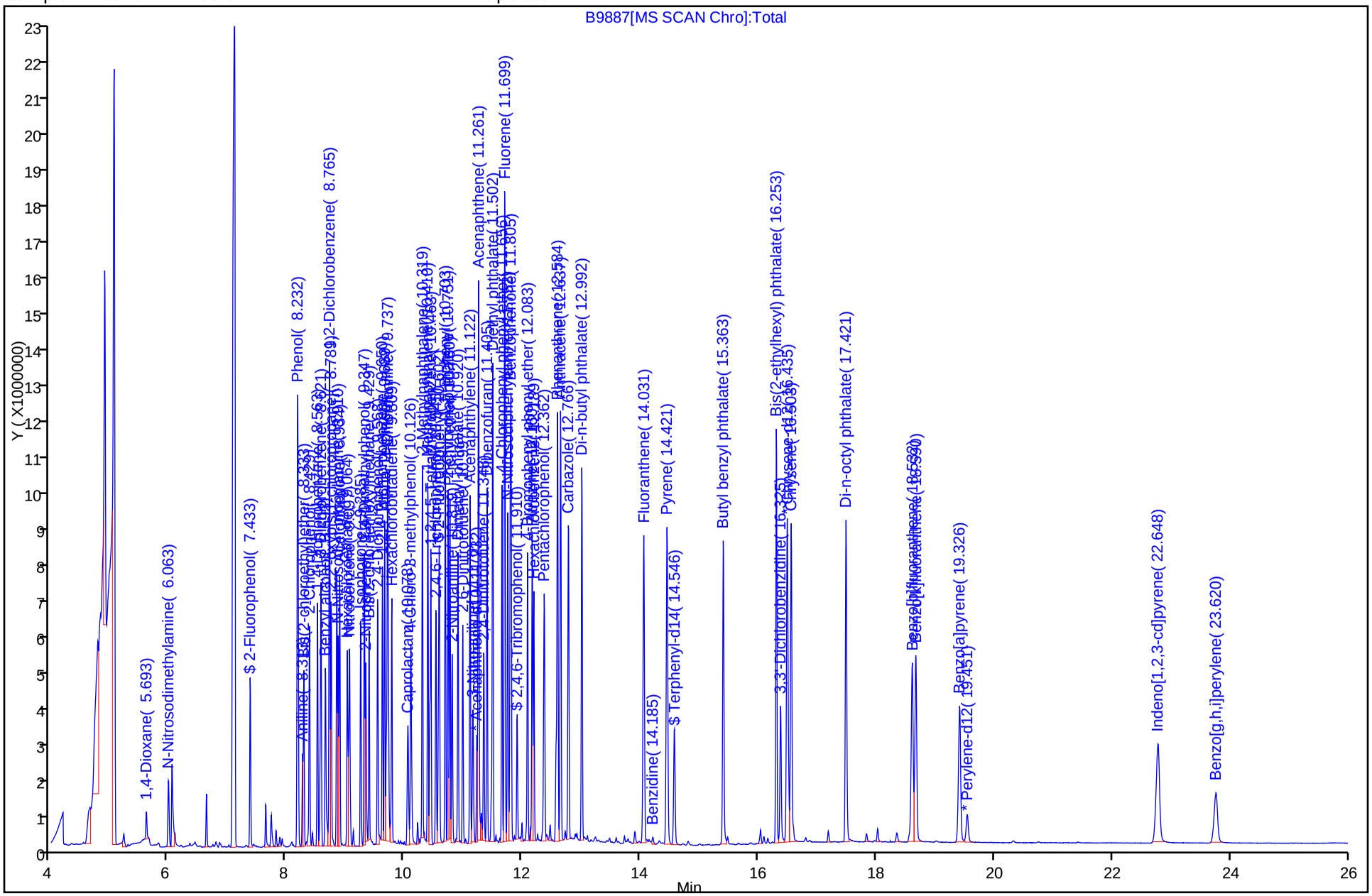
Inj Date: 28-Aug-2009 12:25:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48213 Lims Sample ID: 18

Client ID: Instrument: Inst. B

Sample Info: LCS 360-47986/2-A

Sample Amount: 2.00 uL Operator: MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: LCS 360-48119/2-A

Matrix: Solid | Lab File ID: B10154.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.00(g) | Date Analyzed: 09/10/2009 00:47

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.: 48751 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	241		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	200		33	2.2
120-82-1	1,2,4-Trichlorobenzene	174		33	6.5
95-50-1	1,2-Dichlorobenzene	165		33	3.6
541-73-1	1,3-Dichlorobenzene	137		33	9.7
106-46-7	1,4-Dichlorobenzene	182		33	6.0
90-12-0	1-Methylnaphthalene	171		33	2.0
108-60-1	2,2'-oxybis[1-chloropropane]	164		33	3.4
58-90-2	2,3,4,6-Tetrachlorophenol	242		33	2.0
95-95-4	2,4,5-Trichlorophenol	265		33	3.8
88-06-2	2,4,6-Trichlorophenol	315		33	7.0
120-83-2	2,4-Dichlorophenol	184		33	6.4
105-67-9	2,4-Dimethylphenol	189		33	5.8
51-28-5	2,4-Dinitrophenol	192		33	4.9
121-14-2	2,4-Dinitrotoluene	274		33	4.7
606-20-2	2,6-Dinitrotoluene	266		33	4.2
91-58-7	2-Chloronaphthalene	223		33	5.1
95-57-8	2-Chlorophenol	166		33	3.3
91-57-6	2-Methylnaphthalene	165		33	25
95-48-7	2-Methylphenol	159		33	4.8
88-74-4	2-Nitroaniline	270		170	21
88-75-5	2-Nitrophenol	158		33	3.9
15831-10-4	3 & 4 Methylphenol	173		33	6.3
91-94-1	3,3'-Dichlorobenzidine	111		67	24
99-09-2	3-Nitroaniline	282		170	9.5
534-52-1	4,6-Dinitro-2-methylphenol	248		170	8.5
101-55-3	4-Bromophenyl phenyl ether	241		33	6.9
59-50-7	4-Chloro-3-methylphenol	201		67	9.2
106-47-8	4-Chloroaniline	145		67	14
7005-72-3	4-Chlorophenyl phenyl ether	260		33	5.3
100-01-6	4-Nitroaniline	289		170	8.9
100-02-7	4-Nitrophenol	295		170	6.5
83-32-9	Acenaphthene	280		33	4.9
208-96-8	Acenaphthylene	255		33	5.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: LCS 360-48119/2-A

Matrix: Solid | Lab File ID: B10154.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.00(g) | Date Analyzed: 09/10/2009 00:47

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.: 48751 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	174		33	3.6
62-53-3	Aniline	127		33	17
120-12-7	Anthracene	290		33	11
1912-24-9	Atrazine	303		33	10
103-33-3	Azobenzene	256		33	4.1
100-52-7	Benzaldehyde	276		33	10
56-55-3	Benzo[a]anthracene	331		33	6.4
50-32-8	Benzo[a]pyrene	337		33	6.1
205-99-2	Benzo[b]fluoranthene	299		33	7.6
191-24-2	Benzo[g,h,i]perylene	289		33	6.5
207-08-9	Benzo[k]fluoranthene	316		33	9.2
65-85-0	Benzoic acid	91.0	J	170	14
119-61-9	Benzophenone	248		33	2.0
100-51-6	Benzyl alcohol	178		67	7.7
111-91-1	Bis(2-chloroethoxy)methane	149		33	6.0
111-44-4	Bis(2-chloroethyl)ether	114		33	8.1
117-81-7	Bis(2-ethylhexyl) phthalate	311		33	11
85-68-7	Butyl benzyl phthalate	280		33	7.3
105-60-2	Caprolactam	187		33	10
86-74-8	Carbazole	271		33	33
218-01-9	Chrysene	310		33	7.2
53-70-3	Dibenz(a,h)anthracene	270		33	6.7
132-64-9	Dibenzofuran	249		33	19
84-66-2	Diethyl phthalate	263		33	4.7
131-11-3	Dimethyl phthalate	254		33	4.9
84-74-2	Di-n-butyl phthalate	247		33	10
117-84-0	Di-n-octyl phthalate	282		33	9.4
101-84-8	Diphenyl oxide	176		33	10
206-44-0	Fluoranthene	313		33	21
86-73-7	Fluorene	309		33	13
118-74-1	Hexachlorobenzene	272		33	7.9
87-68-3	Hexachlorobutadiene	146		33	6.6
77-47-4	Hexachlorocyclopentadiene	242		67	9.1
67-72-1	Hexachloroethane	167		33	6.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: LCS 360-48119/2-A

Matrix: Solid | Lab File ID: B10154.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.00(g) | Date Analyzed: 09/10/2009 00:47

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.: 48751 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	276		33	10
78-59-1	Isophorone	138		33	7.1
91-20-3	Naphthalene	184		80	74
98-95-3	Nitrobenzene	150		33	4.5
62-75-9	N-Nitrosodimethylamine	183		33	3.9
621-64-7	N-Nitrosodi-n-propylamine	185		33	3.8
86-30-6	N-Nitrosodiphenylamine	194		33	6.7
87-86-5	Pentachlorophenol	254		33	6.9
85-01-8	Phenanthrene	300		40	38
108-95-2	Phenol	199		33	4.2
129-00-0	Pyrene	254		33	8.8

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	71	30-130	
321-60-8	2-Fluorobiphenyl	69	30-130	
367-12-4	2-Fluorophenol	59	30-130	
4165-60-0	Nitrobenzene-d5	50	30-130	
4165-62-2	Phenol-d5	54	30-130	
1718-51-0	Terphenyl-d14	71	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10154.D		
Lims ID:	LCS 360-48119/2-A	Client ID:	
Inject. Date:	10-Sep-2009 00:47:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 360-48119/2-A		
Misc. Info.:	360-0001117-004		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	15
Lims Batch ID:	48751	Lims Sample ID:	4
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\8270B.m		
Last Update:	10-Sep-2009 11:31:30	Calib Date:	09-Sep-2009 21:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10149.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	10-Sep-2009 12:41:54

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.570	7.574	-0.004	1094987	2.00	
* 2 Naphthalene-d8	136	8.710	8.705	0.005	2298267	2.00	M
* 3 Acenaphthene-d10	164	10.220	10.215	0.005	771835	2.00	
* 4 Phenanthrene-d10	188	11.465	11.461	0.004	1368043	2.00	
* 5 Chrysene-d12	240	14.769	14.760	0.009	1191159	2.00	
* 6 Perylene-d12	264	17.187	17.183	0.004	824757	2.00	
$ 7 2-Fluorophenol	112	6.387	6.359	0.028	1631224	5.89	
$ 8 Phenol-d5	99	7.267	7.253	0.014	1998921	5.40	
$ 9 Nitrobenzene-d5	82	8.094	8.090	0.004	813957	2.52	
$ 10 2-Fluorobiphenyl	172	9.614	9.614	0.000	1738934	3.46	
$ 11 2,4,6-Tribromophenol	330	10.888	10.884	0.004	355971	7.14	
$ 12 Terphenyl-d14	244	12.941	12.942	-0.001	1608921	3.57	
14 1,4-Dioxane	88	4.093	3.829	0.264	360899	3.65	
16 Pyridine	79	4.728	4.579	0.149	1202929	4.17	
15 N-Nitrosodimethylamine	42	4.728	4.623	0.105	1060978	5.50	M
17 Benzaldehyde	105	7.180	7.186	-0.006	1257370	8.28	M
18 Phenol	94	7.277	7.263	0.014	2227044	5.98	M
19 Aniline	93	7.310	7.311	-0.001	1622706	3.82	
20 Bis(2-chloroethyl)ether	93	7.344	7.344	0.000	1082359	3.42	
21 2-Chlorophenol	128	7.421	7.412	0.009	1666091	4.97	
22 1,4-Dichlorobenzene	146	7.541	7.542	-0.001	2181841	5.45	
23 1,3-Dichlorobenzene	146	7.584	7.590	-0.006	1728220	4.11	
24 Benzyl alcohol	79	7.709	7.700	0.009	1229875	5.34	
25 1,2-Dichlorobenzene	146	7.762	7.763	-0.001	1750831	4.96	
26 2-Methylphenol	108	7.810	7.796	0.014	1375148	4.77	
27 2,2'-oxybis[1-chloropropane]	45	7.830	7.830	0.000	2666870	4.91	
28 3 & 4 Methylphenol	108	7.926	7.922	0.004	1525750	5.20	
30 Acetophenone	105	7.950	7.946	0.004	2297596	5.21	
29 N-Nitrosodi-n-propylamine	70	7.955	7.950	0.005	1219164	5.56	M
31 Hexachloroethane	117	8.036	8.037	-0.001	704954	5.00	
32 Nitrobenzene	77	8.108	8.109	-0.001	1448495	4.50	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	8.296	8.297	-0.001	2177360	4.15	
35 2,4-Dimethylphenol	107	8.387	8.383	0.004	1509012	5.67	
34 2-Nitrophenol	139	8.387	8.388	-0.001	809961	4.73	
36 Benzoic acid	105	8.445	8.447	-0.002	178418	2.73	
37 Bis(2-chloroethoxy)methane	93	8.464	8.465	-0.001	1496855	4.48	
38 2,4-Dichlorophenol	162	8.585	8.580	0.005	1335870	5.53	
39 1,2,4-Trichlorobenzene	180	8.661	8.662	-0.001	1556270	5.21	
40 Alpha-Terpineol	59	8.686	8.686	0.000	1257683	5.14	
41 Naphthalene	128	8.729	8.725	0.004	5010013	5.51	M
42 4-Chloroaniline	127	8.772	8.768	0.004	1554511	4.34	
43 Hexachlorobutadiene	225	8.859	8.859	0.000	653190	4.38	
44 Caprolactam	55	9.046	9.023	0.023	711312	5.60	
45 4-Chloro-3-methylphenol	107	9.152	9.148	0.004	1452676	6.03	
46 2-Methylnaphthalene	142	9.306	9.306	0.000	2953450	4.94	
47 1-Methylnaphthalene	142	9.407	9.403	0.004	3119455	5.13	
49 1,2,4,5-Tetrachlorobenzene	216	9.484	9.484	0.000	1518496	6.00	
48 Hexachlorocyclopentadiene	237	9.489	9.494	-0.005	586999	7.25	
50 2,4,6-Trichlorophenol	196	9.561	9.557	0.005	1193632	9.46	
51 2,4,5-Trichlorophenol	196	9.594	9.590	0.004	1050752	7.94	
52 1,1'-Biphenyl	154	9.695	9.696	-0.001	3999580	7.22	
53 2-Chloronaphthalene	162	9.729	9.725	0.004	3295141	6.68	
54 Phenyl ether	170	9.782	9.783	-0.001	2148552	5.28	
55 2-Nitroaniline	65	9.825	9.821	0.004	1007221	8.11	
56 Dimethyl phthalate	163	9.965	9.960	0.005	3583339	7.63	
57 2,6-Dinitrotoluene	165	10.042	10.037	0.005	872850	7.99	
58 Acenaphthylene	152	10.095	10.090	0.004	4729319	7.65	
59 3-Nitroaniline	138	10.171	10.167	0.004	939467	8.45	
61 Acenaphthene	153	10.244	10.244	0.000	3648550	8.41	
60 2,4-Dinitrophenol	184	10.253	10.249	0.004	220834	5.76	
62 4-Nitrophenol	109	10.272	10.263	0.009	542722	8.85	
64 Dibenzofuran	168	10.373	10.369	0.004	4273986	7.46	
63 2,4-Dinitrotoluene	165	10.378	10.374	0.004	1204919	8.22	
65 2,3,4,6-Tetrachlorophenol	232	10.503	10.499	0.004	706151	7.25	
66 Diethyl phthalate	149	10.542	10.538	0.004	3824920	7.88	
67 4-Chlorophenyl phenyl ether	204	10.633	10.629	0.004	1743054	7.81	
69 Fluorene	166	10.667	10.663	0.004	4376765	9.27	
68 4-Nitroaniline	138	10.696	10.687	0.009	973846	8.66	
70 4,6-Dinitro-2-methylphenol	198	10.724	10.715	0.009	498757	7.44	
72 N-Nitrosodiphenylamine	169	10.734	10.730	0.004	2570677	5.81	
73 1,2-Diphenylhydrazine	77	10.768	10.764	0.004	3697102	7.68	
74 Azobenzene	77	10.768	10.764	0.004	3697102	7.68	
13 Benzophenone	105	10.792	10.788	0.004	3009911	7.44	
75 4-Bromophenyl phenyl ether	248	11.047	11.042	0.005	908258	7.22	
77 Atrazine	200	11.172	11.163	0.009	1119666	9.09	
76 Hexachlorobenzene	284	11.201	11.201	0.000	954791	8.15	
78 Pentachlorophenol	266	11.340	11.337	0.003	418990	7.63	M
79 Pentachloronitrobenzene	237	11.403	11.398	0.004	383505	7.87	
80 Phenanthrene	178	11.484	11.480	0.004	6243317	9.01	
81 Anthracene	178	11.523	11.519	0.005	5613324	8.69	
83 Carbazole	167	11.643	11.639	0.004	4909374	8.14	
84 Di-n-butyl phthalate	149	11.883	11.884	-0.001	6202873	7.40	
85 Pyrene	202	12.571	12.567	0.004	5438331	7.62	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	12.662	12.660	0.002	70125	0.5535	M
87 Fluoranthene	202	12.836	12.826	0.010	6274448	9.38	M
89 Butyl benzyl phthalate	149	13.600	13.596	0.004	2833084	8.40	
91 3,3'-Dichlorobenzidine	252	14.653	14.644	0.009	1405578	3.34	
92 Bis(2-ethylhexyl) phthalate	149	14.668	14.663	0.005	3888556	9.32	
93 Benzo[a]anthracene	228	14.730	14.721	0.009	5264338	9.94	
94 Chrysene	228	14.831	14.817	0.014	4837592	9.31	
95 Di-n-octyl phthalate	149	15.822	15.818	0.004	5801893	8.47	
97 Benzo[b]fluoranthene	252	16.553	16.544	0.009	4393241	8.98	
98 Benzo[k]fluoranthene	252	16.591	16.577	0.014	4393602	9.48	
99 Benzo[a]pyrene	252	17.096	17.082	0.014	3638552	10.1	
100 Indeno[1,2,3-cd]pyrene	276	19.332	19.318	0.014	2630016	8.29	M
101 Dibenz(a,h)anthracene	278	19.342	19.323	0.019	2112590	8.10	M
102 Benzo[g,h,i]perylene	276	19.967	19.953	0.014	2060446	8.68	M

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 10-Sep-2009 12:41:55 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-2.b\B10154.D

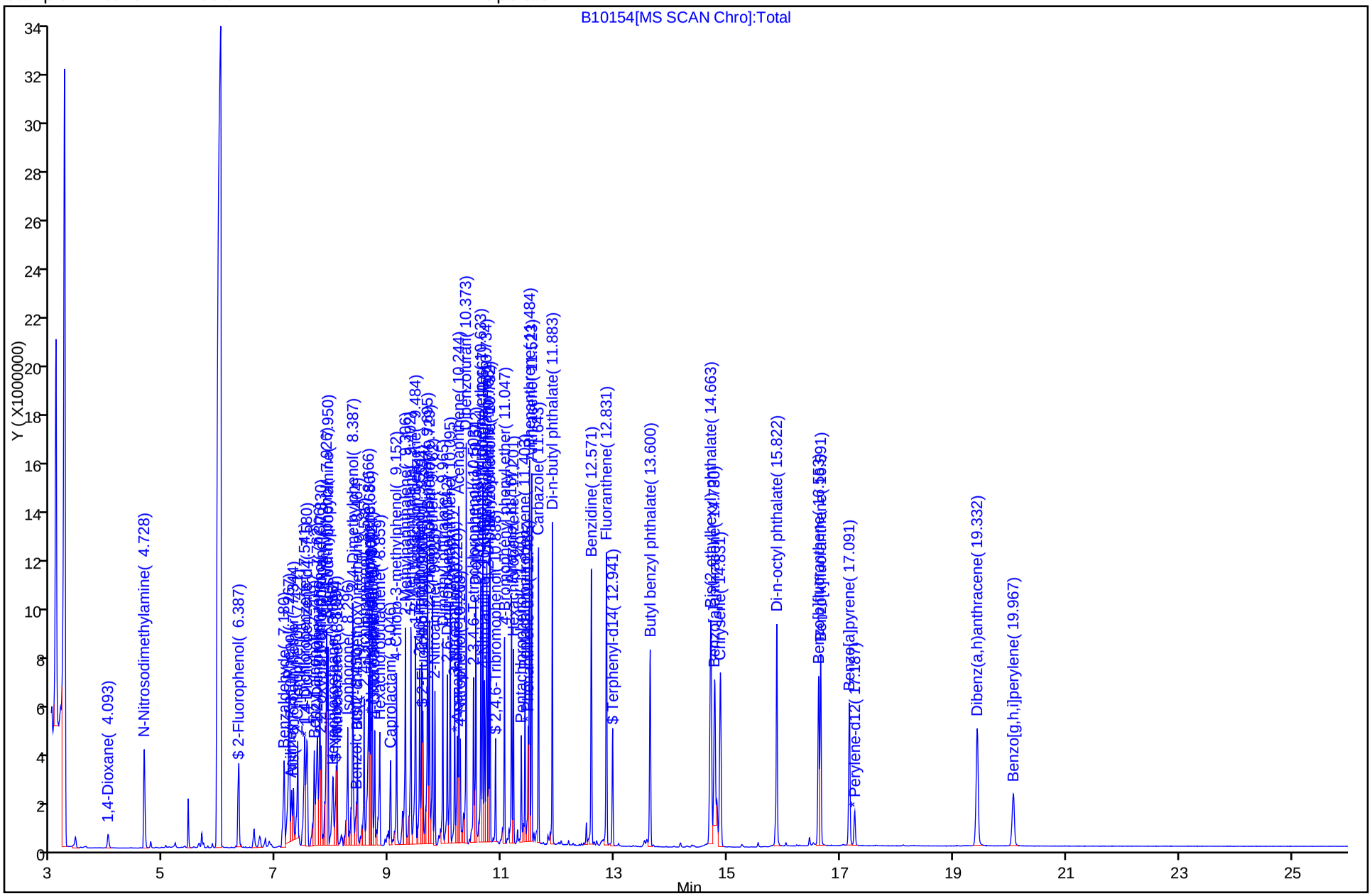
Inj Date: 10-Sep-2009 00:47:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48751 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: LCS 360-48119/2-A

Sample Amount: 2.00 uL Operator: MZ



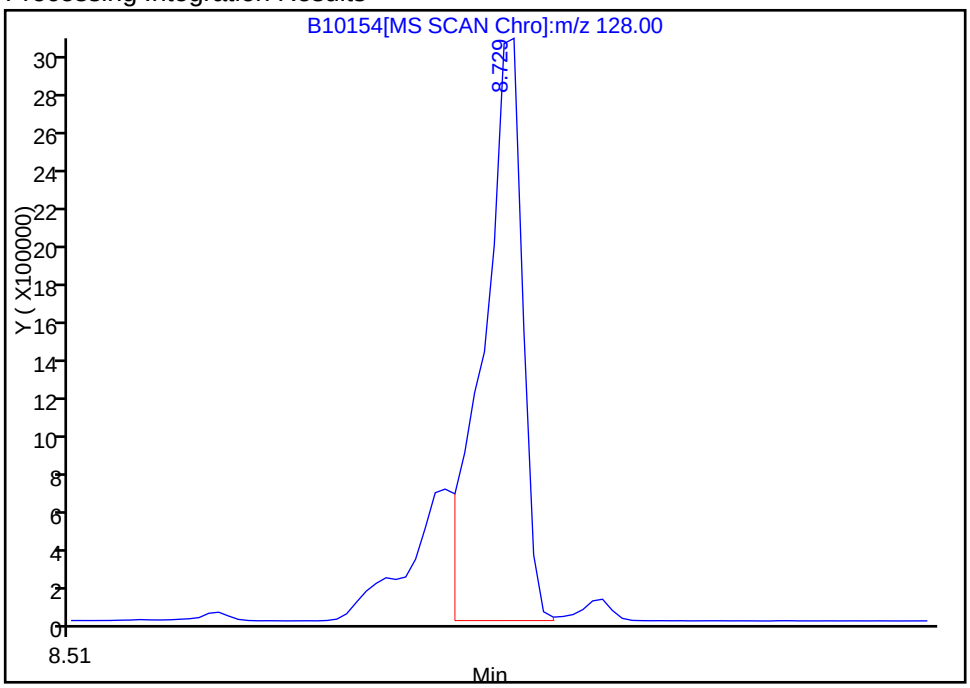
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10154.D		
Inj Date:	10-Sep-2009 00:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	LCS 360-48119/2-A		
Sample Amount:	2.00 uL	Operator:	MZ

41 Naphthalene, Number: 1, m/z: 128 Type: quant, RT: 8.72

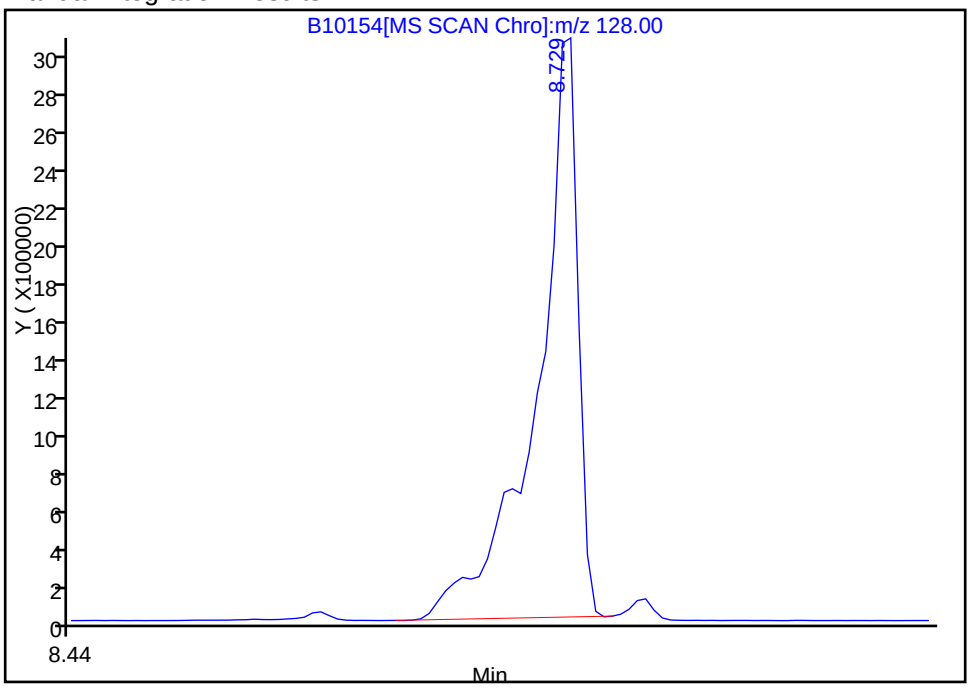
Processing Integration Results

RT: 8.73
Response: 4115950
Amount: 4.524308



Manual Integration Results

RT: 8.73
Response: 5010013
Amount: 5.507074



Reviewer: sullivanp, 10-Sep-2009 12:41:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

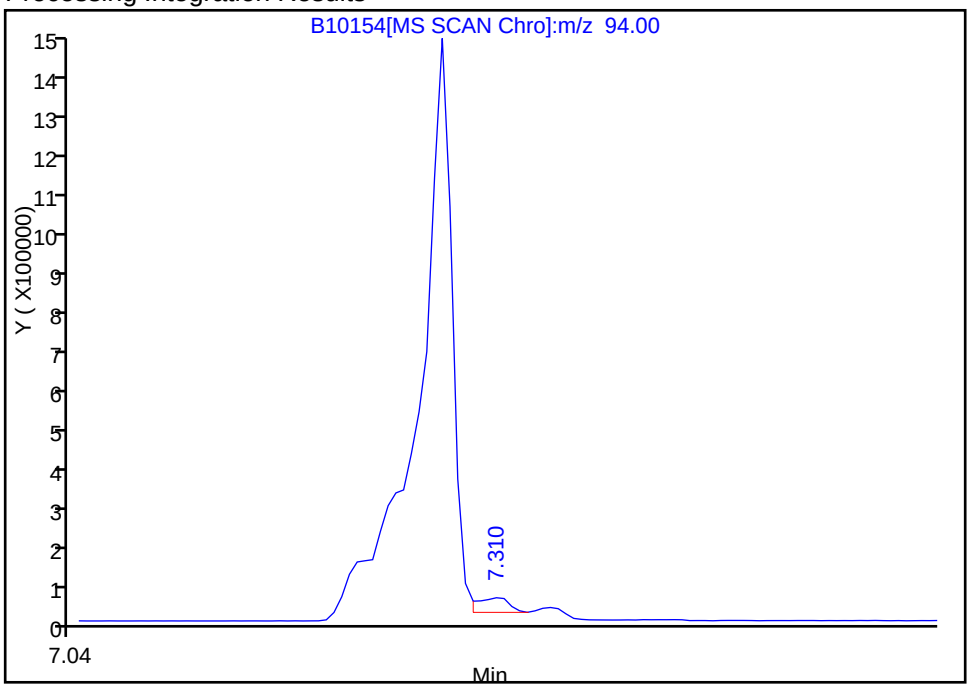
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10154.D		
Inj Date:	10-Sep-2009 00:47:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	LCS 360-48119/2-A		
Sample Amount:	2.00 uL	Operator:	MZ

18 Phenol, Number: 1, m/z: 94 Type: quant, RT: 7.26

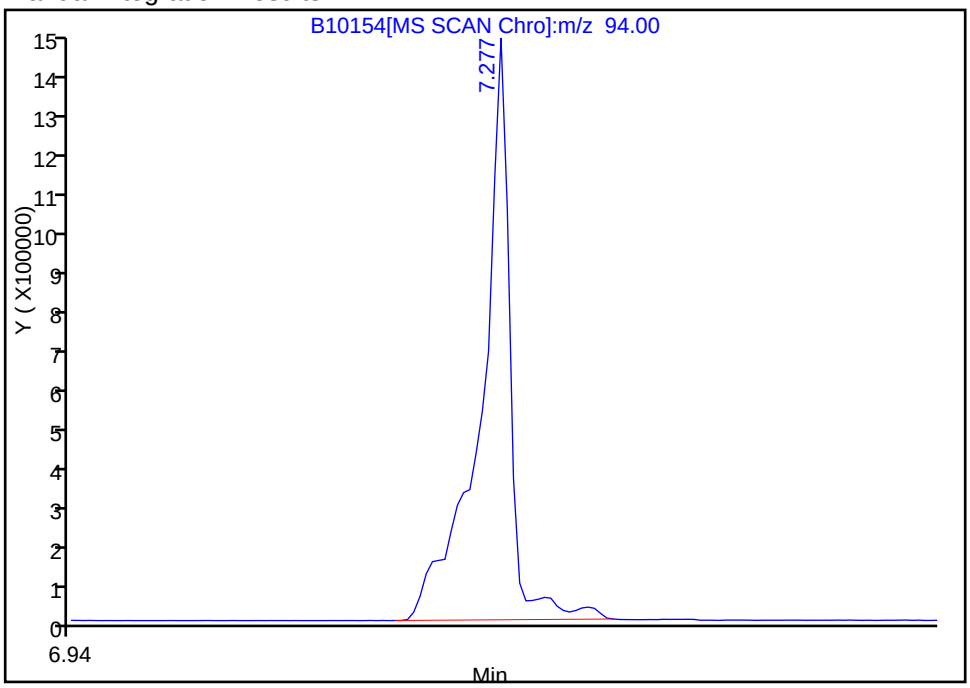
Processing Integration Results

RT: 7.31
Response: 50306
Amount: 0.135052



Manual Integration Results

RT: 7.28
Response: 2227044
Amount: 5.978748



Reviewer: sullivanp, 10-Sep-2009 12:41:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: LCSD 360-47986/3-A

Matrix: Solid | Lab File ID: B9888.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.00(g) | Date Analyzed: 08/28/2009 12:59

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.: 48213 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	449		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	264		33	2.2
120-82-1	1,2,4-Trichlorobenzene	234		33	6.5
95-50-1	1,2-Dichlorobenzene	209		33	3.6
541-73-1	1,3-Dichlorobenzene	230		33	9.7
106-46-7	1,4-Dichlorobenzene	229		33	6.0
90-12-0	1-Methylnaphthalene	467		33	2.0
108-60-1	2,2'-oxybis[1-chloropropane]	263		33	3.4
58-90-2	2,3,4,6-Tetrachlorophenol	532		33	2.0
95-95-4	2,4,5-Trichlorophenol	304		33	3.8
88-06-2	2,4,6-Trichlorophenol	289		33	7.0
120-83-2	2,4-Dichlorophenol	303		33	6.4
105-67-9	2,4-Dimethylphenol	331		33	5.8
51-28-5	2,4-Dinitrophenol	231		33	4.9
121-14-2	2,4-Dinitrotoluene	302		33	4.7
606-20-2	2,6-Dinitrotoluene	280		33	4.2
91-58-7	2-Chloronaphthalene	220		33	5.1
95-57-8	2-Chlorophenol	253		33	3.3
91-57-6	2-Methylnaphthalene	265		33	25
95-48-7	2-Methylphenol	224		33	4.8
88-74-4	2-Nitroaniline	314		170	21
88-75-5	2-Nitrophenol	295		33	3.9
15831-10-4	3 & 4 Methylphenol	292		33	6.3
91-94-1	3,3'-Dichlorobenzidine	316		67	24
99-09-2	3-Nitroaniline	270		170	9.5
534-52-1	4,6-Dinitro-2-methylphenol	294		170	8.5
101-55-3	4-Bromophenyl phenyl ether	275		33	6.9
59-50-7	4-Chloro-3-methylphenol	322		67	9.2
106-47-8	4-Chloroaniline	208		67	14
7005-72-3	4-Chlorophenyl phenyl ether	286		33	5.3
100-01-6	4-Nitroaniline	334		170	8.9
100-02-7	4-Nitrophenol	317		170	6.5
83-32-9	Acenaphthene	297		33	4.9
208-96-8	Acenaphthylene	276		33	5.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: LCSD 360-47986/3-A

Matrix: Solid | Lab File ID: B9888.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.00(g) | Date Analyzed: 08/28/2009 12:59

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.: 48213 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	245		33	3.6
62-53-3	Aniline	249		33	17
120-12-7	Anthracene	320		33	11
1912-24-9	Atrazine	640		33	10
103-33-3	Azobenzene	360		33	4.1
100-52-7	Benzaldehyde	259		33	10
56-55-3	Benzo[a]anthracene	343		33	6.4
50-32-8	Benzo[a]pyrene	322		33	6.1
205-99-2	Benzo[b]fluoranthene	313		33	7.6
191-24-2	Benzo[g,h,i]perylene	326		33	6.5
207-08-9	Benzo[k]fluoranthene	339		33	9.2
65-85-0	Benzoic acid	159	J	170	14
119-61-9	Benzophenone	492		33	2.0
100-51-6	Benzyl alcohol	229		67	7.7
111-91-1	Bis(2-chloroethoxy)methane	262		33	6.0
111-44-4	Bis(2-chloroethyl)ether	340		33	8.1
117-81-7	Bis(2-ethylhexyl) phthalate	301		33	11
85-68-7	Butyl benzyl phthalate	290		33	7.3
105-60-2	Caprolactam	650		33	10
86-74-8	Carbazole	333		33	33
218-01-9	Chrysene	312		33	7.2
53-70-3	Dibenz(a,h)anthracene	320		33	6.7
132-64-9	Dibenzofuran	266		33	19
84-66-2	Diethyl phthalate	320		33	4.7
131-11-3	Dimethyl phthalate	299		33	4.9
84-74-2	Di-n-butyl phthalate	343		33	10
117-84-0	Di-n-octyl phthalate	297		33	9.4
101-84-8	Diphenyl oxide	512		33	10
206-44-0	Fluoranthene	322		33	21
86-73-7	Fluorene	325		33	13
118-74-1	Hexachlorobenzene	275		33	7.9
87-68-3	Hexachlorobutadiene	237		33	6.6
77-47-4	Hexachlorocyclopentadiene	249		67	9.1
67-72-1	Hexachloroethane	221		33	6.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: LCSD 360-47986/3-A

Matrix: Solid | Lab File ID: B9888.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/20/2009 12:53

Sample wt/vol: 30.00(g) | Date Analyzed: 08/28/2009 12:59

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.: 48213 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	316		33	10
78-59-1	Isophorone	248		33	7.1
91-20-3	Naphthalene	229		80	74
98-95-3	Nitrobenzene	288		33	4.5
62-75-9	N-Nitrosodimethylamine	232		33	3.9
621-64-7	N-Nitrosodi-n-propylamine	264		33	3.8
86-30-6	N-Nitrosodiphenylamine	216		33	6.7
87-86-5	Pentachlorophenol	230		33	6.9
85-01-8	Phenanthrene	286		40	38
108-95-2	Phenol	259		33	4.2
129-00-0	Pyrene	272		33	8.8

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	80	30-130	
321-60-8	2-Fluorobiphenyl	76	30-130	
367-12-4	2-Fluorophenol	72	30-130	
4165-60-0	Nitrobenzene-d5	82	30-130	
4165-62-2	Phenol-d5	74	30-130	
1718-51-0	Terphenyl-d14	69	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\B9888.D		
Lims ID:	LCSD 360-47986/3-A	Client ID:	
Inject. Date:	28-Aug-2009 12:59:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	LCSD 360-47986/3-A		
Misc. Info.:	360-0000975-019		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	51
Lims Batch ID:	48213	Lims Sample ID:	19
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090826-4.b\8270B.m		
Last Update:	28-Aug-2009 14:02:42	Calib Date:	27-Aug-2009 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090827-1.b\B9847.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 28-Aug-2009 14:02:42

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.607	8.592	0.015	729831	2.00	
* 2 Naphthalene-d8	136	9.713	9.712	0.001	1426416	2.00	
* 3 Acenaphthene-d10	164	11.232	11.232	0.000	694467	2.00	
* 4 Phenanthrene-d10	188	12.560	12.559	0.001	1156077	2.00	
* 5 Chrysene-d12	240	16.455	16.454	0.001	1023307	2.00	
* 6 Perylene-d12	264	19.451	19.450	0.001	615032	2.00	
$ 7 2-Fluorophenol	112	7.434	7.380	0.054	1492110	7.25	
$ 8 Phenol-d5	99	8.222	8.202	0.020	1873918	7.38	
$ 9 Nitrobenzene-d5	82	9.083	9.077	0.006	923569	4.12	
$ 10 2-Fluorobiphenyl	172	10.607	10.607	0.001	1760027	3.79	
$ 11 2,4,6-Tribromophenol	330	11.911	11.910	0.001	345869	8.00	
$ 12 Terphenyl-d14	244	14.546	14.545	0.001	1546689	3.45	
14 1,4-Dioxane	88	5.688	5.528	0.160	378541	4.40	M
15 N-Nitrosodimethylamine	42	6.063	5.932	0.131	897292	6.97	M
16 Pyridine	79	6.121	5.985	0.136	1143390	5.89	M
17 Benzaldehyde	94	8.237	8.217	0.020	2171726	7.77	
18 Phenol	94	8.237	8.217	0.020	2171726	7.77	
19 Aniline	93	8.333	8.293	0.040	2329151	7.48	
20 Bis(2-chloroethyl)ether	93	8.333	8.318	0.015	2329151	10.2	
21 2-Chlorophenol	128	8.429	8.409	0.020	1711468	7.59	
22 1,4-Dichlorobenzene	146	8.564	8.548	0.016	1692536	6.86	
23 1,3-Dichlorobenzene	146	8.621	8.606	0.015	1763902	6.91	
24 Benzyl alcohol	79	8.693	8.683	0.010	1117028	6.88	
26 2-Methylphenol	108	8.698	8.683	0.015	867668	6.73	
28 3 & 4 Methylphenol	108	8.766	8.750	0.016	1807921	8.76	
25 1,2-Dichlorobenzene	146	8.761	8.750	0.011	1712724	6.26	
27 2,2'-oxybis[1-chloropropane]	45	8.790	8.779	0.011	2629614	7.88	
29 N-Nitrosodi-n-propylamine	70	8.910	8.899	0.011	1158955	7.92	
30 Acetophenone	105	8.934	8.923	0.011	2262124	7.34	
31 Hexachloroethane	117	9.059	9.053	0.006	642705	6.64	
32 Nitrobenzene	77	9.097	9.092	0.005	1665128	8.65	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	9.285	9.279	0.006	2629207	7.45	
35 2,4-Dimethylphenol	107	9.347	9.342	0.005	1652220	9.93	
34 2-Nitrophenol	139	9.371	9.366	0.005	899476	8.85	
36 Benzoic acid	105	9.347	9.395	-0.048	57511	4.77	
37 Bis(2-chloroethoxy)methane	93	9.424	9.424	0.000	1919395	7.86	
38 2,4-Dichlorophenol	162	9.569	9.563	0.006	1436647	9.09	
39 1,2,4-Trichlorobenzene	180	9.650	9.650	0.000	1428044	7.02	
40 Alpha-Terpineol	59	9.689	9.683	0.006	1351308	8.28	
41 Naphthalene	128	9.737	9.731	0.006	4719608	6.86	
42 4-Chloroaniline	127	9.751	9.746	0.005	1971248	6.25	
43 Hexachlorobutadiene	225	9.809	9.808	0.001	714174	7.11	
44 Caprolactam	55	10.088	10.068	0.020	1763915	19.5	
45 4-Chloro-3-methylphenol	107	10.146	10.121	0.025	1561076	9.65	
46 2-Methylnaphthalene	142	10.319	10.318	0.001	3246473	7.95	
47 1-Methylnaphthalene	142	10.415	10.414	0.001	5896577	14.0	
48 Hexachlorocyclopentadiene	237	10.444	10.443	0.001	509611	7.48	
49 1,2,4,5-Tetrachlorobenzene	216	10.463	10.462	0.001	1421840	7.92	
50 2,4,6-Trichlorophenol	196	10.550	10.549	0.001	1006861	8.66	
51 2,4,5-Trichlorophenol	196	10.603	10.587	0.016	1111619	9.13	
52 1,1'-Biphenyl	154	10.704	10.707	-0.003	6919089	13.5	
53 2-Chloronaphthalene	162	10.752	10.751	0.001	3129661	6.61	
54 Phenyl ether	170	10.785	10.784	0.001	4353445	15.4	
55 2-Nitroaniline	65	10.819	10.818	0.001	997905	9.43	
56 Dimethyl phthalate	163	10.920	10.919	0.001	3660272	8.97	
57 2,6-Dinitrotoluene	165	10.997	10.996	0.001	850891	8.40	
58 Acenaphthylene	152	11.122	11.121	0.001	4742485	8.27	
59 3-Nitroaniline	138	11.170	11.169	0.001	757350	8.11	
60 2,4-Dinitrophenol	184	11.252	11.246	0.006	136009	6.92	
62 4-Nitrophenol	109	11.266	11.256	0.010	439982	9.51	
61 Acenaphthene	153	11.261	11.265	-0.004	3705043	8.90	
63 2,4-Dinitrotoluene	165	11.353	11.352	0.001	1113425	9.07	
64 Dibenzofuran	168	11.406	11.405	0.001	4341706	7.97	
65 2,3,4,6-Tetrachlorophenol	232	11.497	11.496	0.001	1451604	16.0	
66 Diethyl phthalate	149	11.502	11.501	0.001	3795426	9.60	
67 4-Chlorophenyl phenyl ether	204	11.656	11.655	0.001	1804110	8.57	
68 4-Nitroaniline	138	11.699	11.698	0.001	865003	10.0	
69 Fluorene	166	11.699	11.703	-0.004	4360649	9.75	
70 4,6-Dinitro-2-methylphenol	198	11.704	11.703	0.001	396271	8.83	
72 N-Nitrosodiphenylamine	169	11.752	11.751	0.001	2512574	6.47	
73 1,2-Diphenylhydrazine	77	11.805	11.794	0.011	7228125	10.8	
74 Azobenzene	77	11.805	11.794	0.011	7228125	10.8	
13 Benzophenone	105	11.810	11.809	0.001	6407312	14.8	
75 4-Bromophenyl phenyl ether	248	12.084	12.083	0.001	928640	8.26	
77 Atrazine	200	12.165	12.160	0.005	2210206	19.2	
76 Hexachlorobenzene	284	12.189	12.189	0.000	939837	8.26	
78 Pentachlorophenol	266	12.358	12.352	0.006	411980	6.90	
79 Pentachloronitrobenzene	237	12.367	12.367	0.000	381069	8.50	
80 Phenanthrene	178	12.589	12.588	0.001	5563493	8.57	
81 Anthracene	178	12.637	12.636	0.001	5773112	9.59	
83 Carbazole	167	12.771	12.770	0.001	4828082	9.98	
84 Di-n-butyl phthalate	149	12.993	12.992	0.000	6257558	10.3	
87 Fluoranthene	202	14.031	14.030	0.001	5455287	9.66	

Report Date: 28-Aug-2009 14:02:43 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\INSTB.i\20090826-4.b\B9888.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	14.156	14.146	0.010	9922	0.7927	
85 Pyrene	202	14.421	14.420	0.001	6254169	8.17	
89 Butyl benzyl phthalate	149	15.363	15.362	0.001	2790536	8.69	
92 Bis(2-ethylhexyl) phthalate	149	16.253	16.252	0.001	3936081	9.02	
91 3,3'-Dichlorobenzidine	252	16.325	16.324	0.001	1080377	9.49	
93 Benzo[a]anthracene	228	16.436	16.435	0.001	4969173	10.3	
94 Chrysene	228	16.503	16.497	0.006	4654758	9.37	
95 Di-n-octyl phthalate	149	17.421	17.421	0.000	6136814	8.92	
97 Benzo[b]fluoranthene	252	18.527	18.522	0.005	3804604	9.38	
98 Benzo[k]fluoranthene	252	18.590	18.584	0.006	3882050	10.2	
99 Benzo[a]pyrene	252	19.321	19.320	0.001	3094014	9.65	
100 Indeno[1,2,3-cd]pyrene	276	22.634	22.633	0.001	2192399	9.49	
101 Dibenz(a,h)anthracene	278	22.653	22.653	0.000	1751139	9.59	
102 Benzo[g,h,i]perylene	276	23.620	23.609	0.011	1778961	9.78	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 28-Aug-2009 14:02:43 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090826-4.b\B9888.D

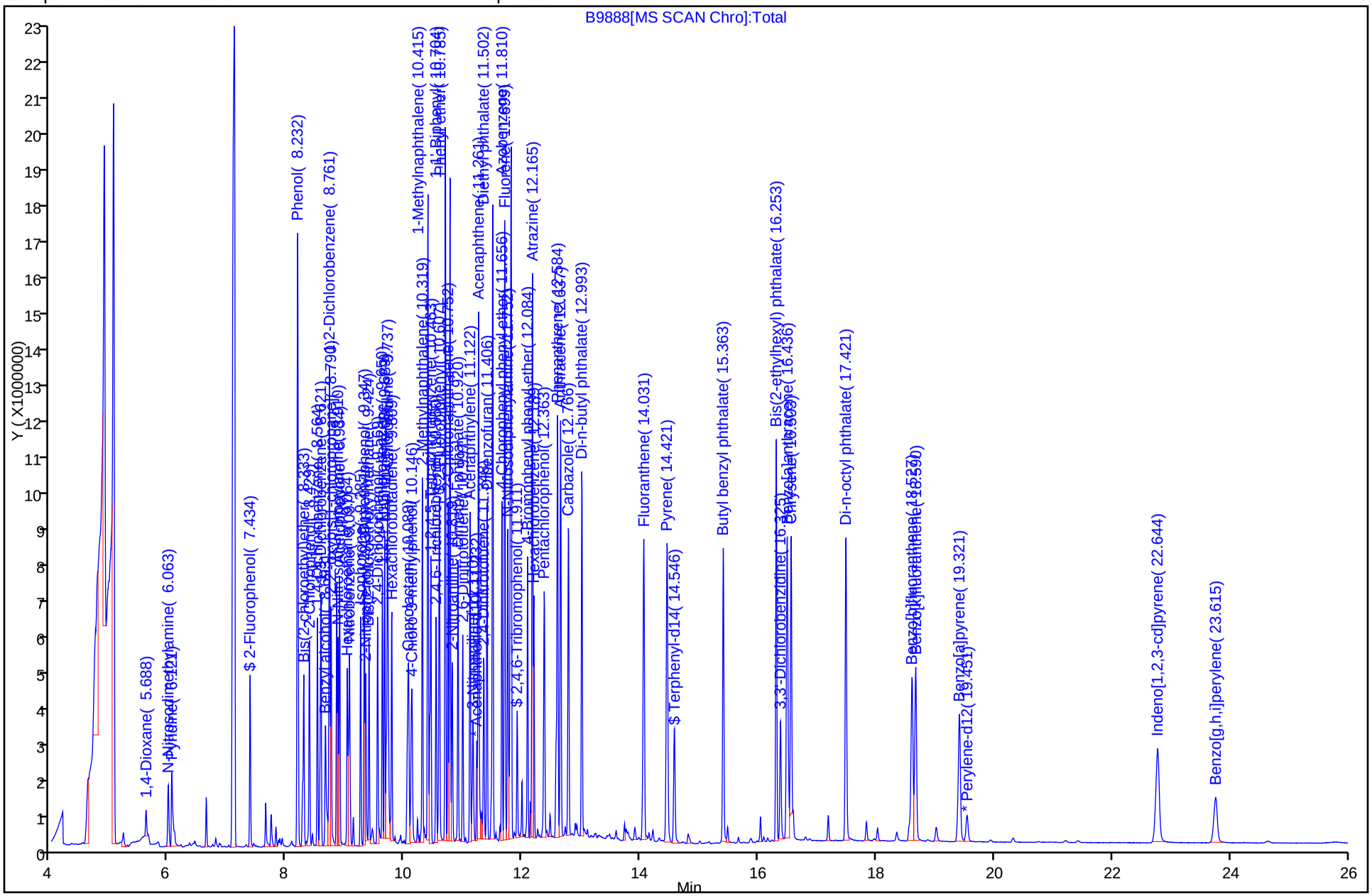
Inj Date: 28-Aug-2009 12:59:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48213 Lims Sample ID: 19

Client ID: Instrument: Inst. B

Sample Info: LCSD 360-47986/3-A

Sample Amount: 2.00 uL Operator: MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: LCSD 360-48119/3-A

Matrix: Solid | Lab File ID: B10155.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.00(g) | Date Analyzed: 09/10/2009 01:21

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.: 48751 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	232		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	189		33	2.2
120-82-1	1,2,4-Trichlorobenzene	157		33	6.5
95-50-1	1,2-Dichlorobenzene	141		33	3.6
541-73-1	1,3-Dichlorobenzene	127		33	9.7
106-46-7	1,4-Dichlorobenzene	186		33	6.0
90-12-0	1-Methylnaphthalene	181		33	2.0
108-60-1	2,2'-oxybis[1-chloropropane]	149		33	3.4
58-90-2	2,3,4,6-Tetrachlorophenol	236		33	2.0
95-95-4	2,4,5-Trichlorophenol	285		33	3.8
88-06-2	2,4,6-Trichlorophenol	285		33	7.0
120-83-2	2,4-Dichlorophenol	214		33	6.4
105-67-9	2,4-Dimethylphenol	209		33	5.8
51-28-5	2,4-Dinitrophenol	185		33	4.9
121-14-2	2,4-Dinitrotoluene	278		33	4.7
606-20-2	2,6-Dinitrotoluene	273		33	4.2
91-58-7	2-Chloronaphthalene	204		33	5.1
95-57-8	2-Chlorophenol	159		33	3.3
91-57-6	2-Methylnaphthalene	188		33	25
95-48-7	2-Methylphenol	179		33	4.8
88-74-4	2-Nitroaniline	278		170	21
88-75-5	2-Nitrophenol	185		33	3.9
15831-10-4	3 & 4 Methylphenol	189		33	6.3
91-94-1	3,3'-Dichlorobenzidine	110		67	24
99-09-2	3-Nitroaniline	287		170	9.5
534-52-1	4,6-Dinitro-2-methylphenol	243		170	8.5
101-55-3	4-Bromophenyl phenyl ether	262		33	6.9
59-50-7	4-Chloro-3-methylphenol	213		67	9.2
106-47-8	4-Chloroaniline	163		67	14
7005-72-3	4-Chlorophenyl phenyl ether	261		33	5.3
100-01-6	4-Nitroaniline	295		170	8.9
100-02-7	4-Nitrophenol	276		170	6.5
83-32-9	Acenaphthene	285		33	4.9
208-96-8	Acenaphthylene	250		33	5.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: LCSD 360-48119/3-A

Matrix: Solid | Lab File ID: B10155.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.00(g) | Date Analyzed: 09/10/2009 01:21

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.: 48751 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	158		33	3.6
62-53-3	Aniline	104		33	17
120-12-7	Anthracene	298		33	11
1912-24-9	Atrazine	303		33	10
103-33-3	Azobenzene	263		33	4.1
100-52-7	Benzaldehyde	270		33	10
56-55-3	Benzo[a]anthracene	331		33	6.4
50-32-8	Benzo[a]pyrene	341		33	6.1
205-99-2	Benzo[b]fluoranthene	285		33	7.6
191-24-2	Benzo[g,h,i]perylene	309		33	6.5
207-08-9	Benzo[k]fluoranthene	306		33	9.2
65-85-0	Benzoic acid	109	J	170	14
119-61-9	Benzophenone	269		33	2.0
100-51-6	Benzyl alcohol	178		67	7.7
111-91-1	Bis(2-chloroethoxy)methane	174		33	6.0
111-44-4	Bis(2-chloroethyl)ether	133		33	8.1
117-81-7	Bis(2-ethylhexyl) phthalate	310		33	11
85-68-7	Butyl benzyl phthalate	282		33	7.3
105-60-2	Caprolactam	222		33	10
86-74-8	Carbazole	277		33	33
218-01-9	Chrysene	313		33	7.2
53-70-3	Dibenz(a,h)anthracene	287		33	6.7
132-64-9	Dibenzofuran	251		33	19
84-66-2	Diethyl phthalate	262		33	4.7
131-11-3	Dimethyl phthalate	256		33	4.9
84-74-2	Di-n-butyl phthalate	243		33	10
117-84-0	Di-n-octyl phthalate	274		33	9.4
101-84-8	Diphenyl oxide	187		33	10
206-44-0	Fluoranthene	318		33	21
86-73-7	Fluorene	302		33	13
118-74-1	Hexachlorobenzene	269		33	7.9
87-68-3	Hexachlorobutadiene	158		33	6.6
77-47-4	Hexachlorocyclopentadiene	206		67	9.1
67-72-1	Hexachloroethane	134		33	6.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24194-2

SDG No.: OCRI-02A

Client Sample ID: | Lab Sample ID: LCSD 360-48119/3-A

Matrix: Solid | Lab File ID: B10155.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 08/25/2009 11:23

Sample wt/vol: 30.00(g) | Date Analyzed: 09/10/2009 01:21

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.: 48751 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	292		33	10
78-59-1	Isophorone	159		33	7.1
91-20-3	Naphthalene	165		80	74
98-95-3	Nitrobenzene	159		33	4.5
62-75-9	N-Nitrosodimethylamine	181		33	3.9
621-64-7	N-Nitrosodi-n-propylamine	167		33	3.8
86-30-6	N-Nitrosodiphenylamine	202		33	6.7
87-86-5	Pentachlorophenol	266		33	6.9
85-01-8	Phenanthrene	282		40	38
108-95-2	Phenol	169		33	4.2
129-00-0	Pyrene	262		33	8.8

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	69	30-130	
321-60-8	2-Fluorobiphenyl	68	30-130	
367-12-4	2-Fluorophenol	57	30-130	
4165-60-0	Nitrobenzene-d5	47	30-130	
4165-62-2	Phenol-d5	48	30-130	
1718-51-0	Terphenyl-d14	70	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10155.D		
Lims ID:	LCSD 360-48119/3-A	Client ID:	
Inject. Date:	10-Sep-2009 01:21:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	LCSD 360-48119/3-A		
Misc. Info.:	360-0001117-005		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	16
Lims Batch ID:	48751	Lims Sample ID:	5
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\8270B.m		
Last Update:	10-Sep-2009 12:43:55	Calib Date:	09-Sep-2009 21:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10149.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 10-Sep-2009 12:43:55

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.576	7.574	0.002	1092541	2.00	M
* 2 Naphthalene-d8	136	8.711	8.705	0.006	2284685	2.00	M
* 3 Acenaphthene-d10	164	10.216	10.215	0.001	812370	2.00	
* 4 Phenanthrene-d10	188	11.462	11.461	0.001	1370213	2.00	
* 5 Chrysene-d12	240	14.770	14.760	0.010	1163001	2.00	
* 6 Perylene-d12	264	17.184	17.183	0.001	801242	2.00	
$ 7 2-Fluorophenol	112	6.393	6.359	0.034	1586083	5.74	
$ 8 Phenol-d5	99	7.269	7.253	0.016	1763021	4.77	
$ 9 Nitrobenzene-d5	82	8.096	8.090	0.006	758061	2.36	
$ 10 2-Fluorobiphenyl	172	9.615	9.614	0.001	1800224	3.41	
$ 11 2,4,6-Tribromophenol	330	10.890	10.884	0.006	343431	6.90	
$ 12 Terphenyl-d14	244	12.943	12.942	0.001	1546471	3.51	
14 1,4-Dioxane	88	4.071	3.829	0.242	352194	3.56	M
16 Pyridine	79	4.710	4.579	0.131	1168050	4.06	M
15 N-Nitrosodimethylamine	42	4.715	4.623	0.092	1046687	5.44	
17 Benzaldehyde	105	7.187	7.186	0.001	1227755	8.11	
18 Phenol	94	7.278	7.263	0.015	1886174	5.07	
19 Aniline	93	7.312	7.311	0.001	1319544	3.11	
20 Bis(2-chloroethyl)ether	93	7.350	7.344	0.006	1260950	3.99	
21 2-Chlorophenol	128	7.422	7.412	0.010	1597880	4.77	
22 1,4-Dichlorobenzene	146	7.547	7.542	0.005	2226259	5.57	
23 1,3-Dichlorobenzene	146	7.591	7.590	0.001	1599106	3.81	
24 Benzyl alcohol	79	7.711	7.700	0.011	1227620	5.34	
25 1,2-Dichlorobenzene	146	7.764	7.763	0.001	1530272	4.24	
26 2-Methylphenol	108	7.807	7.796	0.011	1546100	5.38	
27 2,2'-oxybis[1-chloropropane]	45	7.831	7.830	0.001	2418008	4.46	
28 3 & 4 Methylphenol	108	7.927	7.922	0.005	1656273	5.66	
30 Acetophenone	105	7.951	7.946	0.005	2085244	4.74	
29 N-Nitrosodi-n-propylamine	70	7.956	7.950	0.006	1097997	5.02	
31 Hexachloroethane	117	8.043	8.037	0.006	566270	4.02	
32 Nitrobenzene	77	8.110	8.109	0.001	1523217	4.76	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	8.298	8.297	0.001	2495152	4.78	
35 2,4-Dimethylphenol	107	8.389	8.383	0.006	1658988	6.27	
34 2-Nitrophenol	139	8.389	8.388	0.001	946236	5.56	
36 Benzoic acid	105	8.447	8.447	0.000	245127	3.28	
37 Bis(2-chloroethoxy)methane	93	8.466	8.465	0.001	1737730	5.23	
38 2,4-Dichlorophenol	162	8.586	8.580	0.006	1540671	6.42	
39 1,2,4-Trichlorobenzene	180	8.663	8.662	0.001	1403298	4.72	
40 Alpha-Terpineol	59	8.687	8.686	0.001	1312697	5.39	
41 Naphthalene	128	8.726	8.725	0.001	4488859	4.96	
42 4-Chloroaniline	127	8.769	8.768	0.001	1740790	4.89	
43 Hexachlorobutadiene	225	8.860	8.859	0.001	700909	4.73	
44 Caprolactam	55	9.048	9.023	0.025	841888	6.65	
45 4-Chloro-3-methylphenol	107	9.154	9.148	0.006	1527913	6.38	
46 2-Methylnaphthalene	142	9.307	9.306	0.001	3345911	5.63	
47 1-Methylnaphthalene	142	9.404	9.403	0.001	3281050	5.43	
49 1,2,4,5-Tetrachlorobenzene	216	9.485	9.484	0.001	1430358	5.68	
48 Hexachlorocyclopentadiene	237	9.490	9.494	-0.004	521539	6.17	
50 2,4,6-Trichlorophenol	196	9.558	9.557	0.002	1134500	8.55	
51 2,4,5-Trichlorophenol	196	9.596	9.590	0.006	1189945	8.54	
52 1,1'-Biphenyl	154	9.697	9.696	0.001	4065651	6.97	
53 2-Chloronaphthalene	162	9.731	9.725	0.006	3175431	6.11	
54 Phenyl ether	170	9.784	9.783	0.001	2267367	5.61	
55 2-Nitroaniline	65	9.827	9.821	0.006	1089300	8.33	
56 Dimethyl phthalate	163	9.961	9.960	0.001	3790928	7.67	
57 2,6-Dinitrotoluene	165	10.043	10.037	0.006	942189	8.19	
58 Acenaphthylene	152	10.096	10.090	0.006	4885331	7.51	
59 3-Nitroaniline	138	10.173	10.167	0.006	1007599	8.61	
61 Acenaphthene	153	10.245	10.244	0.001	3911797	8.56	
60 2,4-Dinitrophenol	184	10.255	10.249	0.006	220492	5.55	
62 4-Nitrophenol	109	10.269	10.263	0.006	531804	8.27	
64 Dibenzofuran	168	10.375	10.369	0.006	4545694	7.54	
63 2,4-Dinitrotoluene	165	10.375	10.374	0.001	1289116	8.35	
65 2,3,4,6-Tetrachlorophenol	232	10.505	10.499	0.006	724978	7.08	
66 Diethyl phthalate	149	10.543	10.538	0.005	4017113	7.87	
67 4-Chlorophenyl phenyl ether	204	10.630	10.629	0.001	1837995	7.82	
69 Fluorene	166	10.668	10.663	0.005	4497755	9.05	
68 4-Nitroaniline	138	10.697	10.687	0.010	1048961	8.86	
70 4,6-Dinitro-2-methylphenol	198	10.721	10.715	0.006	488255	7.30	
72 N-Nitrosodiphenylamine	169	10.736	10.730	0.006	2686053	6.06	
73 1,2-Diphenylhydrazine	77	10.765	10.764	0.001	3810015	7.90	
74 Azobenzene	77	10.765	10.764	0.001	3810015	7.90	
13 Benzophenone	105	10.793	10.788	0.005	3268094	8.07	
75 4-Bromophenyl phenyl ether	248	11.043	11.042	0.001	988105	7.85	
77 Atrazine	200	11.168	11.163	0.005	1122619	9.09	
76 Hexachlorobenzene	284	11.202	11.201	0.001	946781	8.07	
78 Pentachlorophenol	266	11.342	11.337	0.005	446390	7.97	
79 Pentachloronitrobenzene	237	11.404	11.398	0.006	413765	8.48	
80 Phenanthrene	178	11.486	11.480	0.006	5879262	8.47	
81 Anthracene	178	11.524	11.519	0.006	5783464	8.94	
83 Carbazole	167	11.640	11.639	0.001	5020778	8.31	
84 Di-n-butyl phthalate	149	11.885	11.884	0.001	6117408	7.29	
85 Pyrene	202	12.568	12.567	0.001	5466063	7.85	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	12.664	12.660	0.004	59935	0.5372	
87 Fluoranthene	202	12.832	12.826	0.006	6400397	9.55	
89 Butyl benzyl phthalate	149	13.602	13.596	0.006	2790128	8.47	
91 3,3'-Dichlorobenzidine	252	14.650	14.644	0.006	1359466	3.31	
92 Bis(2-ethylhexyl) phthalate	149	14.669	14.663	0.006	3786150	9.30	
93 Benzo[a]anthracene	228	14.732	14.721	0.011	5132534	9.93	
94 Chrysene	228	14.833	14.817	0.016	4772580	9.40	
95 Di-n-octyl phthalate	149	15.819	15.818	0.001	5456567	8.21	
97 Benzo[b]fluoranthene	252	16.554	16.544	0.010	4062428	8.55	
98 Benzo[k]fluoranthene	252	16.588	16.577	0.011	4128494	9.17	
99 Benzo[a]pyrene	252	17.093	17.082	0.011	3578644	10.2	
100 Indeno[1,2,3-cd]pyrene	276	19.334	19.318	0.016	2703332	8.77	
101 Dibenz(a,h)anthracene	278	19.339	19.323	0.016	2184020	8.61	
102 Benzo[g,h,i]perylene	276	19.973	19.953	0.020	2137833	9.27	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 10-Sep-2009 12:43:56 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTB.i\20090909-2.b\B10155.D

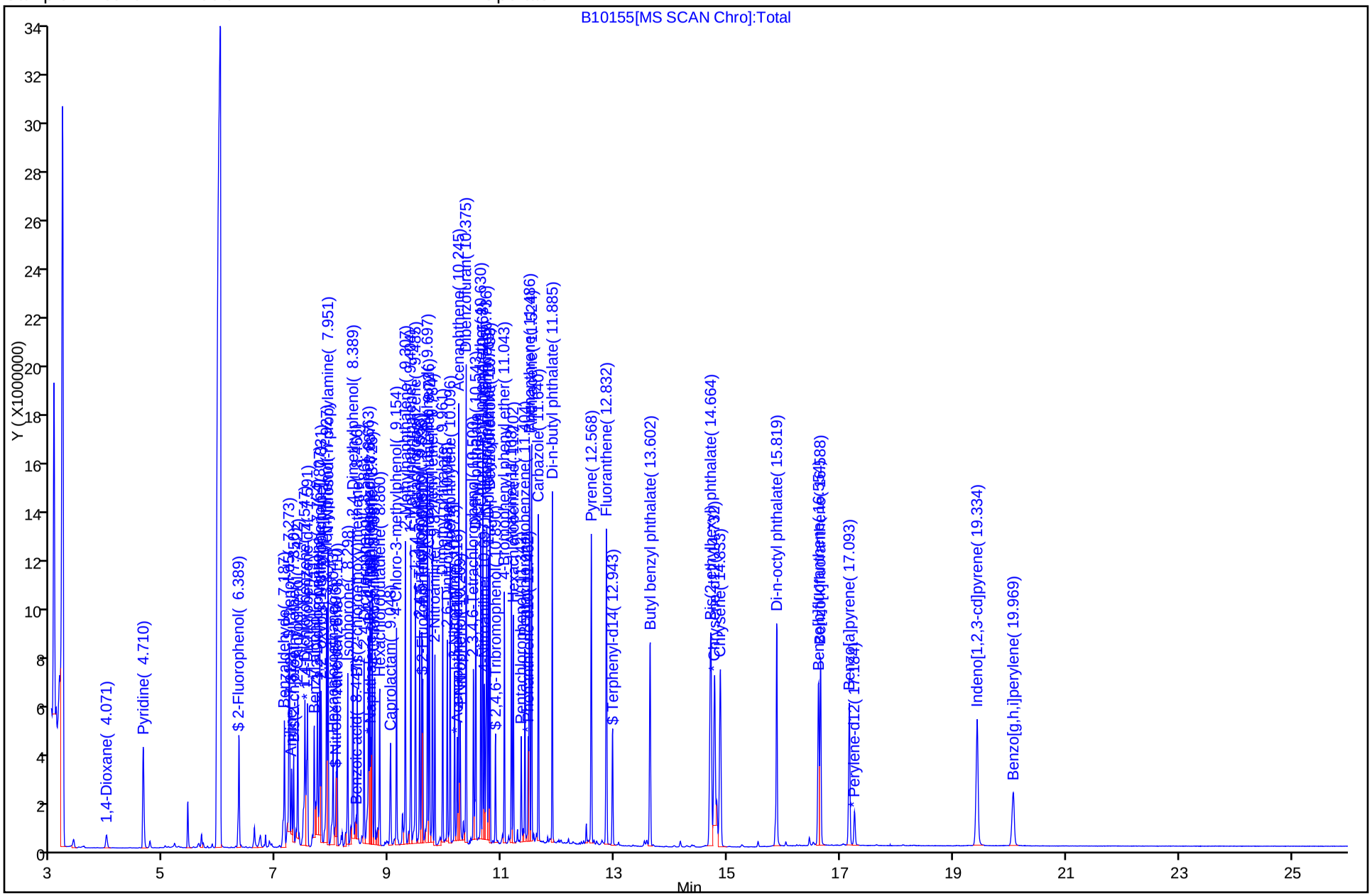
Inj Date: 10-Sep-2009 01:21:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48751 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: LCSD 360-48119/3-A

Sample Amount: 2.00 uL Operator: MZ



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Instrument ID: Inst. B Start Date: 08/28/2009 10:44

Analysis Batch Number: 48213 End Date: 08/29/2009 00:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-48213/1		08/28/2009 10:44	1	B9884.D	Rtx-5ms 0.25(um)
CCV 360-48213/2 CCVIS		08/28/2009 11:18	1	B9885.D	Rtx-5ms 0.25(um)
MB 360-47986/1-A		08/28/2009 11:52	1	B9886.D	Rtx-5ms 0.25(um)
LCS 360-47986/2-A		08/28/2009 12:25	1	B9887.D	Rtx-5ms 0.25(um)
LCSD 360-47986/3-A		08/28/2009 12:59	1	B9888.D	Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 13:33	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 14:07	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 14:41	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 15:15	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 15:49	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 16:23	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 16:57	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 17:31	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 18:05	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 18:39	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 19:13	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 19:47	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 20:21	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 20:55	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 21:29	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 22:03	5		Rtx-5ms 0.25(um)
360-24194-2	OC-SB-421-10.5/12.5-XXX	08/28/2009 22:37	1	B9905.D	Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 23:11	1		Rtx-5ms 0.25(um)
ZZZZZ		08/28/2009 23:45	1		Rtx-5ms 0.25(um)
ZZZZZ		08/29/2009 00:19	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Instrument ID: Inst. B Start Date: 08/27/2009 08:38

Analysis Batch Number: 48241 End Date: 08/27/2009 14:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-48241/1		08/27/2009 08:38	1	B9838.D	Rtx-5ms 0.25(um)
STD5 360-48241/2 ICIS		08/27/2009 09:11	1	B9839.D	Rtx-5ms 0.25(um)
STD01 360-48241/3 IC		08/27/2009 09:45	1	B9840.D	Rtx-5ms 0.25(um)
STD025 360-48241/4 IC		08/27/2009 10:19	1	B9841.D	Rtx-5ms 0.25(um)
STD05 360-48241/5 IC		08/27/2009 10:53	1	B9842.D	Rtx-5ms 0.25(um)
STD1 360-48241/6 IC		08/27/2009 11:27	1	B9843.D	Rtx-5ms 0.25(um)
STD25 360-48241/7 IC		08/27/2009 12:01	1	B9844.D	Rtx-5ms 0.25(um)
STD8 360-48241/8 IC		08/27/2009 12:35	1	B9845.D	Rtx-5ms 0.25(um)
STD10 360-48241/9 IC		08/27/2009 13:09	1	B9846.D	Rtx-5ms 0.25(um)
STD20 360-48241/10 IC		08/27/2009 13:43	1	B9847.D	Rtx-5ms 0.25(um)
ICV 360-48241/11		08/27/2009 14:17	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Instrument ID: Inst. B Start Date: 08/31/2009 14:28

Analysis Batch Number: 48389 End Date: 09/01/2009 06:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-48389/1		08/31/2009 14:28	1	B9909.D	Rtx-5ms 0.25(um)
CCV 360-48389/2 CCVIS		08/31/2009 15:03	1	B9910.D	Rtx-5ms 0.25(um)
ZZZZZ		08/31/2009 15:36	10		Rtx-5ms 0.25(um)
ZZZZZ		08/31/2009 16:10	10		Rtx-5ms 0.25(um)
ZZZZZ		08/31/2009 16:44	10		Rtx-5ms 0.25(um)
ZZZZZ		08/31/2009 17:18	5		Rtx-5ms 0.25(um)
ZZZZZ		08/31/2009 17:52	5		Rtx-5ms 0.25(um)
ZZZZZ		08/31/2009 18:26	10		Rtx-5ms 0.25(um)
ZZZZZ		08/31/2009 19:00	20		Rtx-5ms 0.25(um)
ZZZZZ		08/31/2009 19:34	10		Rtx-5ms 0.25(um)
ZZZZZ		08/31/2009 20:08	2		Rtx-5ms 0.25(um)
ZZZZZ		08/31/2009 20:42	10		Rtx-5ms 0.25(um)
ZZZZZ		08/31/2009 21:16	10		Rtx-5ms 0.25(um)
360-24194-2 DL	OC-SB-421-10.5/12.5-X XX DL	08/31/2009 21:50	20	B9922.D	Rtx-5ms 0.25(um)
360-24194-2 DL2	OC-SB-421-10.5/12.5-X XX DL2	08/31/2009 22:24	100	B9923.D	Rtx-5ms 0.25(um)
360-24194-2 DL3	OC-SB-421-10.5/12.5-X XX DL3	08/31/2009 22:58	1000	B9924.D	Rtx-5ms 0.25(um)
ZZZZZ		08/31/2009 23:32	1		Rtx-5ms 0.25(um)
ZZZZZ		09/01/2009 00:07	10		Rtx-5ms 0.25(um)
ZZZZZ		09/01/2009 00:41	10		Rtx-5ms 0.25(um)
ZZZZZ		09/01/2009 01:15	10		Rtx-5ms 0.25(um)
DFTPP 360-48389/44		09/01/2009 02:23	1		Rtx-5ms 0.25(um)
CCV 360-48389/45 CCVIS		09/01/2009 02:57	1		Rtx-5ms 0.25(um)
ZZZZZ		09/01/2009 03:31	50		Rtx-5ms 0.25(um)
ZZZZZ		09/01/2009 04:05	50		Rtx-5ms 0.25(um)
ZZZZZ		09/01/2009 04:39	1		Rtx-5ms 0.25(um)
ZZZZZ		09/01/2009 05:13	100		Rtx-5ms 0.25(um)
ZZZZZ		09/01/2009 05:47	50		Rtx-5ms 0.25(um)
ZZZZZ		09/01/2009 06:21	20		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Instrument ID: Inst. B Start Date: 09/09/2009 23:05

Analysis Batch Number: 48751 End Date: 09/10/2009 10:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-48751/1		09/09/2009 23:05	1	B10151.D	Rtx-5ms 0.25(um)
CCV 360-48751/2 CCVIS		09/09/2009 23:39	1	B10152.D	Rtx-5ms 0.25(um)
MB 360-48119/1-A		09/10/2009 00:13	1	B10153.D	Rtx-5ms 0.25(um)
LCS 360-48119/2-A		09/10/2009 00:47	1	B10154.D	Rtx-5ms 0.25(um)
LCSD 360-48119/3-A		09/10/2009 01:21	1	B10155.D	Rtx-5ms 0.25(um)
ZZZZZ		09/10/2009 01:55	1		Rtx-5ms 0.25(um)
360-24194-5	OC-SB-424-17/19-XXX	09/10/2009 02:28	1	B10157.D	Rtx-5ms 0.25(um)
ZZZZZ		09/10/2009 03:02	1		Rtx-5ms 0.25(um)
ZZZZZ		09/10/2009 03:36	10		Rtx-5ms 0.25(um)
ZZZZZ		09/10/2009 04:10	5		Rtx-5ms 0.25(um)
360-24194-8	OC-SB-425-18/20-XXX	09/10/2009 04:43	1	B10161.D	Rtx-5ms 0.25(um)
ZZZZZ		09/10/2009 05:17	5		Rtx-5ms 0.25(um)
ZZZZZ		09/10/2009 05:51	1		Rtx-5ms 0.25(um)
ZZZZZ		09/10/2009 06:25	1		Rtx-5ms 0.25(um)
ZZZZZ		09/10/2009 06:58	1		Rtx-5ms 0.25(um)
ZZZZZ		09/10/2009 07:32	2		Rtx-5ms 0.25(um)
ZZZZZ		09/10/2009 08:06	20		Rtx-5ms 0.25(um)
ZZZZZ		09/10/2009 08:40	10		Rtx-5ms 0.25(um)
ZZZZZ		09/10/2009 09:13	10		Rtx-5ms 0.25(um)
ZZZZZ		09/10/2009 09:47	10		Rtx-5ms 0.25(um)
360-24194-5 DL	OC-SB-424-17/19-XXX DL	09/10/2009 10:21	2	B10171.D	Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Instrument ID: Inst. B Start Date: 09/09/2009 16:53

Analysis Batch Number: 48761 End Date: 09/09/2009 22:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-48761/1		09/09/2009 16:53	1	B10140.D	Rtx-5ms 0.25(um)
STD5 360-48761/2 ICIS		09/09/2009 17:26	1	B10141.D	Rtx-5ms 0.25(um)
STD01 360-48761/3 IC		09/09/2009 18:00	1	B10142.D	Rtx-5ms 0.25(um)
STD025 360-48761/4 IC		09/09/2009 18:34	1	B10143.D	Rtx-5ms 0.25(um)
STD05 360-48761/5 IC		09/09/2009 19:08	1	B10144.D	Rtx-5ms 0.25(um)
STD1 360-48761/6 IC		09/09/2009 19:42	1	B10145.D	Rtx-5ms 0.25(um)
STD25 360-48761/7 IC		09/09/2009 20:16	1	B10146.D	Rtx-5ms 0.25(um)
STD8 360-48761/8 IC		09/09/2009 20:50	1	B10147.D	Rtx-5ms 0.25(um)
STD10 360-48761/9 IC		09/09/2009 21:24	1	B10148.D	Rtx-5ms 0.25(um)
STD20 360-48761/10 IC		09/09/2009 21:58	1	B10149.D	Rtx-5ms 0.25(um)
ICV 360-48761/11		09/09/2009 22:32	1		Rtx-5ms 0.25(um)

Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
B	8/21/09	24194-1	8270-LL	200 mL	1000 mL	5X	Blank extract
BS	8/21/09	24194-1	8270-LL	100 mL	1000 mL	10X	↓
↓	↓	↓ -2	↓	100 mL	1000 mL	10X	
		-2	8270-LL	50 mL	1000 mL	20X	
		-2	↓	100 mL	1000 mL	100X	Taken from 10X
		↓ -2	↓	100 mL	1000 mL	1000X	Taken from 100X
		24194-3	8270-LL	100 mL	1000 mL	10X	
		↓ -3MS	↓	100 mL	↓	10X	
		↓ -3MSD	↓	100 mL	↓	10X	
		24173-3	8270-LL	20 mL	1000 mL	50X	
		↓ -6	↓	↓	↓	↓	
		24173-12	8270-LL	~~10 mL~~ 100 mL	1000 mL		Taken from 10X
		↓ -14	↓	20 mL	↓		
		24194-1	↓	50 mL	↓	20X	
		24173-12	↓	100 mL	1000 mL	10X	
		↓	↓	50	1000 mL	20X	
		24173-3	8270-LL	100 mL	1000 mL	10X	
		↓ -4	↓	↓	↓	↓	
		↓ -6	↓	↓	↓	↓	
		24173-9	8270-LL	200 mL	1000 mL	5X	
		-11	↓	↓	↓	5X	
		24173-14	8270-LL	100 mL	1000 mL	10X	
		24173-15	8270-LL	500 mL	1000 mL	2X	
↓	↓	24194-1	↓	100 mL	1000 mL	10X	
BS	8/21/09	24194-4 → 9	8270-LL	100 mL	1000 mL	10X	24194-4 → Screened @ 10X

Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
BJ	8/2/09	24244-1→12	8270-LL	100ml	100ml	1X	24244 screened @ 10X
MZ	9/3/09	24223-1→12	"	100µl	1000µl	10X	all screened @ 10X
↓	↓	24251-1→24	"	100µl	1000µl	10X	all screened @ 10X
		24309-1→11	"	100 µl	1000µl	10X	all screened @ 10X
TP	8/25/09	24194-1	EPH	10 ul	1000 ul	100X	
↓	↓	24194-1	"	50 ul	1000 ul	20X	taken from 100X (2000X)
		24244(1-3)	"	100 ul	1000 ul	10X	
		24244-2	"	50	1000 ul	20X	
TP	9/1/09	24251-10	EPH	200 ul	1000 ul	5X	
↓		24251-13	↓	20 ul	1000 ul	50X	
TP	9/3/09	24365-5	EPH	100 ul	1000 ul	10X	
		24365-7	↓	200 ul	1000 ul	5X	
		↓ 7	↓	100 ul	1000 ul	10X	
KR	9/6/09	24327-3	8270-LL	100 µl	1000µl	10X	
MZ	9/8/09	24327-7→17	8270LL	100µl	1000µl	10X	all screened @ 10X
↓	↓	24343-1→7	"	100µl	1000µl	10X	all screened @ 10X
MZ	9/10/09	24309-12→23	"	100 µl	1000µl	10X	all screened @ 10X
↓	↓	24327-1→6	"	100µl	1000µl	10X	all screened @ 10X
KR	9/10/09	24327-9	8270-LL	100 µl	1000 µl	10X	
		24343-1,9	—"—	100 µl	1000µl	10X	
		24365-1	—"—	100 µl	1000 µl	10X	
KR	9/12/09	24343-10(MSD)	8270-LL	100 µl	1000µl	10X	
	↓	~~24327-7→17~~	KR 9/12/09				
		24343-8→17		100 µl	1000µl	10X	screened @ 10X

2

TestAmerica
53 Southampton Road
Westfield, MA

Organic Prep Worksheet

Batch Number: 360-47986
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Aug 20 2009 12:53PM
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_00062
MB~360-47986/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-47986/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-47986/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24173-A-1	OC-SB-405-0.0/1.0-XXX		T	30.58 g	1.0 mL	50 uL		
360-24173-A-2	OC-SB-405-14/15-XXX		T	30.38 g	1.0 mL	50 uL		
360-24173-A-3	OC-SB-405-8.0/9.0-XXX		T	30.46 g	1.0 mL	50 uL		
360-24173-A-4	OC-SB-416-0.0/1.0-XXX		T	30.31 g	1.0 mL	50 uL		
360-24173-A-5	OC-SB-416-13/14-XXX		T	30.16 g	1.0 mL	50 uL		
360-24173-A-6	OC-SB-416-8.0/9.0-XXX		T	30.11 g	1.0 mL	50 uL		
360-24173-A-9	OC-SB-412-0.0/1.0-XXX		T	30.80 g	1.0 mL	50 uL		
360-24173-A-10	OC-SB-412-12/13-XXX		T	30.43 g	1.0 mL	50 uL		
360-24173-A-11	OC-SB-412-6.0/7.0-XXX		T	30.23 g	1.0 mL	50 uL		
360-24173-A-12	OC-SB-420-0.0/1.0-XXX		T	30.55 g	1.0 mL	50 uL		
360-24173-A-13	OC-SB-420-12/14-XXX		T	30.02 g	1.0 mL	50 uL		
360-24173-A-14	OC-SB-420-6.5/8.5-XXX		T	30.83 g	1.0 mL	50 uL		
360-24173-A-15	OC-SB-423-0.0/1.0-XXX		T	30.16 g	1.0 mL	50 uL		
360-24173-A-16	OC-SB-423-13/14-XXX		T	30.21 g	1.0 mL	50 uL		
360-24173-A-17	OC-SB-423-5.0/6.0-XXX		T	30.37 g	1.0 mL	50 uL		
360-24194-A-1	OC-SB-421-0.0/1.0-XXX		T	30.20 g	2.0 mL	50 uL		
360-24194-A-2	OC-SB-421-10.5/12.5-XXX		T	30.61 g	1.0 mL	50 uL		
360-24194-A-3	OC-SB-421-8.0/10.0-XXX		T	30.59 g	1.0 mL	50 uL		
360-24194-A-3~MS			T	30.77 g	1.0 mL	50 uL	.100 mL	100 uL
360-24194-A-3~MSD			T	30.44 g	1.0 mL	50 uL	.100 mL	100 uL
360-24173-A-2	OC-SB-405-14/15-XXX		T	30.38 g	1.0 mL	50 uL		
360-24173-A-5	OC-SB-416-13/14-XXX		T	30.16 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-47986
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Aug 20 2009 12:53PM
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_00062
360-24173-A-10	OC-SB-412-12/13-XXX		T	30.43 g	1.0 mL	50 uL		
360-24173-A-13	OC-SB-420-12/14-XXX		T	30.02 g	1.0 mL	50 uL		
360-24173-A-16	OC-SB-423-13/14-XXX		T	30.21 g	1.0 mL	50 uL		
360-24194-A-2	OC-SB-421-10.5/12.5-XXX	3546, 8270C LL	T	30.61 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48119
Method: 3546
Analyst: LaPlante, Carrie A

Date Open: Aug 25 2009 11:23AM
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_00062
MB~360-48119/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-48119/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-48119/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24194-A-4	OC-SB-424-0.0/1.0-XXX		T	30.51 g	1.0 mL	50 uL		
360-24194-A-5	OC-SB-424-17/19-XXX		T	30.59 g	1.0 mL	50 uL		
360-24194-A-6	OC-SB-424-7.0/9.0-XXX		T	30.69 g	1.0 mL	50 uL		
360-24194-A-7	OC-SB-425-0.0/1.0-XXX		T	30.24 g	1.0 mL	50 uL		
360-24194-A-8	OC-SB-425-18/20-XXX		T	30.43 g	1.0 mL	50 uL		
360-24194-A-9	OC-SB-425-6.0/8.0-XXX		T	30.37 g	1.0 mL	50 uL		
360-24244-A-1	OC-SB-432-0.0/1.0-XXX		T	30.76 g	1.0 mL	50 uL		
360-24244-A-2	OC-SB-432-14/16-XXX		T	30.89 g	1.0 mL	50 uL		
360-24244-A-3	OC-SB-432-5.0/7.0-XXX		T	30.17 g	1.0 mL	50 uL		
360-24244-A-4	OC-SB-443-0.0/1.0-XXX		T	30.03 g	1.0 mL	50 uL		
360-24244-A-5	OC-SB-443-18/20-XXX		T	30.56 g	1.0 mL	50 uL		
360-24244-A-6	OC-SB-443-6.0/8.0-XXX		T	30.72 g	1.0 mL	50 uL		
360-24244-A-7	OC-SB-445-0.0/1.0-XXX		T	30.69 g	1.0 mL	50 uL		
360-24244-A-8	OC-SB-445-25/27-XXX		T	30.13 g	1.0 mL	50 uL		
360-24244-A-9	OC-SB-445-8.0/10-XXX		T	30.32 g	1.0 mL	50 uL		
360-24244-A-10	OC-SB-437-0.0/1.0-XXX		T	30.85 g	1.0 mL	50 uL		
360-24244-A-11	OC-SB-437-21/23-XXX		T	30.55 g	1.0 mL	50 uL		
360-24244-A-12	OC-SB-437-5.0/7.0-XXX		T	30.14 g	1.0 mL	50 uL		
360-24244-A-4~MS			T	30.38 g	1.0 mL	50 uL	.100 mL	100 uL
360-24244-A-4~MSD			T	30.04 g	1.0 mL	50 uL	.100 mL	100 uL
360-24194-A-5	OC-SB-424-17/19-XXX	3546, 8270C LL	T	30.59 g	1.0 mL	50 uL		
360-24194-A-8	OC-SB-425-18/20-XXX	3546, 8270C LL	T	30.43 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48119
Method: 3546
Analyst: LaPlante, Carrie A

Date Open: Aug 25 2009 11:23AM
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_00062
360-24244-A-5	OC-SB-443-18/20-XXX		T	30.56 g	1.0 mL	50 uL		
360-24244-A-8	OC-SB-445-25/27-XXX		T	30.13 g	1.0 mL	50 uL		
360-24244-A-11	OC-SB-437-21/23-XXX		T	30.55 g	1.0 mL	50 uL		

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24194-2

SDG No.: OCRI-02A

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SB-421-10.5/12.5-XXX	360-24194-2
OC-SB-424-17/19-XXX	360-24194-5
OC-SB-425-18/20-XXX	360-24194-8

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-421-10.5/12.5-XXX
Lab Sample ID: 360-24194-2
Lab Name: TestAmerica Westfield
Job No.: 360-24194-2
SDG ID.: OCRI-02A
Matrix: Solid
Date Sampled: 08/19/2009 08:05
Reporting Basis: DRY
Date Received: 08/19/2009 17:30
% Solids: 90.9

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12000	3.2	0.83	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.64	0.23	mg/Kg			1	6010B
7440-38-2	Arsenic	2.3	1.3	0.12	mg/Kg			1	6010B
7440-39-3	Barium	61	0.64	0.083	mg/Kg			1	6010B
7440-41-7	Beryllium	0.20	0.25	0.032	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.32	0.25	0.0089	mg/Kg			1	6010B
7440-70-2	Calcium	7600	13	3.2	mg/Kg		B	1	6010B
7440-47-3	Chromium	38	0.64	0.085	mg/Kg			1	6010B
7440-48-4	Cobalt	16	0.64	0.083	mg/Kg			1	6010B
7440-50-8	Copper	46	1.3	0.083	mg/Kg			1	6010B
7439-89-6	Iron	22000	6.4	1.0	mg/Kg		B	1	6010B
7439-92-1	Lead	1.1	0.64	0.073	mg/Kg			1	6010B
7439-95-4	Magnesium	5800	13	0.64	mg/Kg		B	1	6010B
7439-96-5	Manganese	170	1.3	0.085	mg/Kg			1	6010B
7440-02-0	Nickel	28	1.3	0.083	mg/Kg			1	6010B
7440-09-7	Potassium	2900	250	40	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.64	0.30	mg/Kg			1	6010B
7440-22-4	Silver	2.1	0.64	0.064	mg/Kg			1	6010B
7440-23-5	Sodium	900	130	17	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.3	0.092	mg/Kg			1	6010B
7440-62-2	Vanadium	53	1.3	0.083	mg/Kg			1	6010B
7440-66-6	Zinc	30	3.2	0.75	mg/Kg			1	6010B
7440-31-5	Tin	13	6.4	0.41	mg/Kg		B ^	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-424-17/19-XXX
Lab Sample ID: 360-24194-5
Lab Name: TestAmerica Westfield
Job No.: 360-24194-2
SDG ID.: OCRI-02A
Matrix: Solid
Date Sampled: 08/19/2009 12:35
Reporting Basis: DRY
Date Received: 08/19/2009 17:30
% Solids: 88.8

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9300	3.6	0.94	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.72	0.26	mg/Kg			1	6010B
7440-38-2	Arsenic	2.3	1.4	0.13	mg/Kg			1	6010B
7440-39-3	Barium	100	0.72	0.094	mg/Kg			1	6010B
7440-41-7	Beryllium	0.17	0.29	0.036	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.21	0.29	0.010	mg/Kg	J		1	6010B
7440-70-2	Calcium	4300	14	3.6	mg/Kg		B	1	6010B
7440-47-3	Chromium	88	0.72	0.096	mg/Kg			1	6010B
7440-48-4	Cobalt	10	0.72	0.094	mg/Kg			1	6010B
7440-50-8	Copper	16	1.4	0.094	mg/Kg			1	6010B
7439-89-6	Iron	18000	7.2	1.2	mg/Kg		B	1	6010B
7439-92-1	Lead	2.1	0.72	0.082	mg/Kg			1	6010B
7439-95-4	Magnesium	7200	14	0.72	mg/Kg		B	1	6010B
7439-96-5	Manganese	160	1.4	0.096	mg/Kg			1	6010B
7440-02-0	Nickel	41	1.4	0.094	mg/Kg			1	6010B
7440-09-7	Potassium	4200	290	45	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.72	0.34	mg/Kg			1	6010B
7440-22-4	Silver	3.6	0.72	0.073	mg/Kg			1	6010B
7440-23-5	Sodium	340	140	19	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.4	0.10	mg/Kg			1	6010B
7440-62-2	Vanadium	35	1.4	0.094	mg/Kg			1	6010B
7440-66-6	Zinc	17	3.6	0.85	mg/Kg			1	6010B
7440-31-5	Tin	33	7.2	0.46	mg/Kg		B ^	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-425-18/20-XXX
Lab Sample ID: 360-24194-8
Lab Name: TestAmerica Westfield
Job No.: 360-24194-2
SDG ID.: OCRI-02A
Matrix: Solid
Date Sampled: 08/19/2009 10:25
Reporting Basis: DRY
Date Received: 08/19/2009 17:30
% Solids: 92.6

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8600	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	3.3	1.3	0.12	mg/Kg			1	6010B
7440-39-3	Barium	29	0.66	0.086	mg/Kg			1	6010B
7440-41-7	Beryllium	0.16	0.27	0.033	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.21	0.27	0.0093	mg/Kg	J		1	6010B
7440-70-2	Calcium	3400	13	3.3	mg/Kg		B	1	6010B
7440-47-3	Chromium	46	0.66	0.088	mg/Kg			1	6010B
7440-48-4	Cobalt	8.2	0.66	0.086	mg/Kg			1	6010B
7440-50-8	Copper	39	1.3	0.086	mg/Kg			1	6010B
7439-89-6	Iron	16000	6.6	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	2.1	0.66	0.076	mg/Kg			1	6010B
7439-95-4	Magnesium	6100	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	20	1.3	0.086	mg/Kg			1	6010B
7440-09-7	Potassium	1600	270	41	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.66	0.31	mg/Kg			1	6010B
7440-22-4	Silver	0.27	0.66	0.067	mg/Kg	J		1	6010B
7440-23-5	Sodium	190	130	17	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.3	0.096	mg/Kg			1	6010B
7440-62-2	Vanadium	29	1.3	0.086	mg/Kg			1	6010B
7440-66-6	Zinc	21	3.3	0.78	mg/Kg			1	6010B
7440-31-5	Tin	16	6.6	0.42	mg/Kg		B ^	1	6010B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49137/6 09/17/2009 11:26				CCV 360-49137/13 09/17/2009 11:46				CCV 360-49137/19 09/17/2009 12:40			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	971		1000	97	993		1000	99	997		1000	100
Al	974		1000	97	4980		5000	100	5010		5000	100
As	965		1000	96	991		1000	99	1000		1000	100
Ba	978		1000	98	997		1000	100	1000		1000	100
Be	978		1000	98	995		1000	99	1000		1000	100
Cd	978		1000	98	991		1000	99	997		1000	100
Co	982		1000	98	993		1000	99	999		1000	100
Cr	968		1000	97	993		1000	99	999		1000	100
Cu	969		1000	97	995		1000	100	1000		1000	100
Fe	961		1000	96	4970		5000	99	5000		5000	100
Mn	978		1000	98	993		1000	99	999		1000	100
Ni	978		1000	98	994		1000	99	996		1000	100
Pb	982		1000	98	995		1000	99	997		1000	100
Sb	935		1000	93	991		1000	99	998		1000	100
Se	987		1000	99	1000		1000	100	1000		1000	100
Tl	982		1000	98	998		1000	100	1010		1000	101
V	979		1000	98	994		1000	99	1000		1000	100
Zn	984		1000	98	991		1000	99	995		1000	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49137/21 09/17/2009 15:02				CCV 360-49137/31 09/17/2009 15:39				CCV 360-49137/43 09/17/2009 16:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	962		1000	96	969		1000	97	967		1000	97
Al	4820		5000	96	4850		5000	97	4830		5000	97
As	955		1000	96	962		1000	96	959		1000	96
Ba	969		1000	97	975		1000	97	974		1000	97
Be	959		1000	96	968		1000	97	964		1000	96
Cd	961		1000	96	973		1000	97	969		1000	97
Co	963		1000	96	972		1000	97	969		1000	97
Cr	962		1000	96	971		1000	97	968		1000	97
Cu	958		1000	96	965		1000	97	956		1000	96
Fe	4810		5000	96	4860		5000	97	4850		5000	97
Mn	961		1000	96	970		1000	97	966		1000	97
Ni	963		1000	96	976		1000	98	974		1000	97
Pb	959		1000	96	969		1000	97	963		1000	96
Sb	958		1000	96	964		1000	96	961		1000	96
Se	947		1000	95	957		1000	96	944		1000	94
Tl	969		1000	97	979		1000	98	978		1000	98
V	963		1000	96	971		1000	97	969		1000	97
Zn	959		1000	96	972		1000	97	968		1000	97

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49137/53 09/17/2009 16:43											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	973		1000	97								
Al	4870		5000	97								
As	962		1000	96								
Ba	981		1000	98								
Be	967		1000	97								
Cd	971		1000	97								
Co	973		1000	97								
Cr	972		1000	97								
Cu	962		1000	96								
Fe	4870		5000	97								
Mn	971		1000	97								
Ni	974		1000	97								
Pb	965		1000	97								
Sb	965		1000	97								
Se	956		1000	96								
Tl	979		1000	98								
V	974		1000	97								
Zn	968		1000	97								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49137/6 09/17/2009 11:26				CCV 360-49137/13 09/17/2009 11:46				CCV 360-49137/19 09/17/2009 12:40			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	9810		10000	98	19800		20000	99	20000		20000	100
Mg	9700		10000	97	19800		20000	99	19900		20000	100
Na	9020		10000	90	19900		20000	100	20000		20000	100
Sn	973		1000	97	995		1000	100	999		1000	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49137/21 09/17/2009 15:02				CCV 360-49137/31 09/17/2009 15:39				CCV 360-49137/43 09/17/2009 16:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	19300		20000	96	19400		20000	97	19400		20000	97
Mg	19200		20000	96	19400		20000	97	19300		20000	97
Na	19300		20000	96	19500		20000	97	19600		20000	98
Sn	961		1000	96	967		1000	97	962		1000	96

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49137/53 09/17/2009 16:43											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	19500		20000	98								
Mg	19400		20000	97								
Na	19600		20000	98								
Sn	966		1000	97								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49137/13 09/17/2009 11:46				ICV 360-49137/16 09/17/2009 11:55				CCV 360-49137/19 09/17/2009 12:40			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	20100		20000	100	75900		75000	101	20400		20000	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49137/21 09/17/2009 15:02				CCV 360-49137/31 09/17/2009 15:39				CCV 360-49137/43 09/17/2009 16:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	19300		20000	96	19600		20000	98	19800		20000	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49137/53 09/17/2009 16:43											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	20200		20000	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49137/8 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	103		103	70-130
Antimony	10.0	10.2		102	70-130
Arsenic	10.0	10.1		101	70-130
Barium	10.0	11.1		111	70-130
Beryllium	1.00	1.00		100	70-130
Cadmium	1.00	1.00		100	70-130
Calcium	400	408		102	70-130
Chromium	5.00	5.07		101	70-130
Cobalt	10.0	10.8		108	70-130
Copper	10.0	10.9		109	70-130
Iron	100	105		105	70-130
Lead	5.00	5.43		109	70-130
Magnesium	400	418		104	70-130
Manganese	10.0	10.6		106	70-130
Nickel	10.0	10.5		105	70-130
Potassium	4000	3590	J	90	70-130
Selenium	10.0	12.4		124	70-130
Silver	5.00	5.20		104	70-130
Sodium	2000	1990	J	99	70-130
Thallium	10.0	12.3		123	70-130
Vanadium	10.0	10.4		104	70-130
Zinc	50.0	51.6		103	70-130
Tin	50.0	31.3	J	63	70-130

Lab Sample ID: CRI 360-49137/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	6.00	7.09	J	118	70-130
Arsenic	50.0	48.6		97	70-130
Barium	2000	2180		109	70-130
Beryllium	4.00	4.14		103	70-130
Cadmium	5.00	5.17		103	70-130
Chromium	100	107		107	70-130
Lead	15.0	16.7		111	70-130

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49137/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Nickel	100	110		110	70-130
Selenium	50.0	52.5		105	70-130
Silver	7.00	7.49		107	70-130
Thallium	2.00	1.98	J	99	70-130
Vanadium	50.0	51.9		104	70-130
Zinc	900	945		105	70-130

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Concentration Units: ug/L

Analyte	RL	ICB 360-49137/7 09/17/2009 11:29		CCB 360-49137/14 09/17/2009 11:49		CCB 360-49137/20 09/17/2009 12:43		CCB 360-49137/22 09/17/2009 15:05	
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND		ND		ND	
Al	100	ND		ND		ND		ND	
As	10	ND		ND		ND		ND	
Ba	10	ND		ND		ND		ND	
Be	1.0	ND		ND		ND		ND	
Ca	400	ND		ND		ND		ND	
Cd	1.0	ND		ND		ND		ND	
Co	10	ND		ND		ND		ND	
Cr	5.0	ND		ND		ND		ND	
Cu	10	ND		ND		ND		ND	
Fe	100	ND		ND		ND		ND	
K	4000	ND		ND		ND		ND	
Mg	400	ND		ND		ND		ND	
Mn	10	ND		ND		ND		ND	
Na	2000	ND		ND		ND		ND	
Ni	10	ND		ND		ND		ND	
Pb	5.0	ND		ND		ND		ND	
Sb	10	3.22	J	ND		ND		ND	
Se	10	3.52	J	5.00	J	4.21	J	6.70	J
Sn	50	ND		ND		ND		ND	
Tl	10	ND		1.53	J	1.75	J	ND	
V	10	ND		ND		ND		ND	
Zn	50	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Concentration Units: ug/L

Analyte	RL	CCB 360-49137/32 09/17/2009 15:42		CCB 360-49137/44 09/17/2009 16:17		CCB 360-49137/54 09/17/2009 16:46			
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND		ND			
Al	100	ND		ND		ND			
As	10	ND		ND		ND			
Ba	10	ND		ND		ND			
Be	1.0	ND		ND		ND			
Ca	400	ND		ND		ND			
Cd	1.0	ND		ND		ND			
Co	10	ND		ND		ND			
Cr	5.0	ND		ND		ND			
Cu	10	ND		ND		ND			
Fe	100	ND		ND		ND			
K	4000	ND		ND		ND			
Mg	400	ND		ND		ND			
Mn	10	ND		ND		ND			
Na	2000	ND		ND		ND			
Ni	10	ND		ND		ND			
Pb	5.0	ND		ND		ND			
Sb	10	ND		ND		ND			
Se	10	6.00	J	3.60	J	ND			
Sn	50	ND		ND		ND			
Tl	10	3.03	J	1.54	J	2.10	J		
V	10	ND		ND		ND			
Zn	50	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Concentration Units: mg/Kg Lab Sample ID: MB 360-49084/1-A

Instrument Code: Varian ICP Batch No.: 49137

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010B
7440-36-0	Antimony	ND			6010B
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-70-2	Calcium	7.00	J		6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	2.27	J		6010B
7439-92-1	Lead	ND			6010B
7439-95-4	Magnesium	1.80	J		6010B
7439-96-5	Manganese	ND			6010B
7440-02-0	Nickel	ND			6010B
7440-09-7	Potassium	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B
7440-23-5	Sodium	ND			6010B
7440-28-0	Thallium	ND			6010B
7440-62-2	Vanadium	ND			6010B
7440-66-6	Zinc	ND			6010B
7440-31-5	Tin	0.511	J		6010B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab Sample ID: ICSA 360-49137/10 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSA wk_00004

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Ag		**0.522**	
Al	**100000**	**115172**	**115**
As		**0.276**	
Ba		**0.373**	
Be		**0.0059**	
Ca	**100000**	**109519**	**110**
Cd		**0.375**	
Co		**1.72**	
Cr		**0.272**	
Cu		**0.322**	
Fe	**40000**	**43899**	**110**
K		**1433**	
Mg	**100000**	**110351**	**110**
Mn		**3.24**	
Na		**118**	
Ni		**5.81**	
Pb		**-0.643**	
Sb		**0.155**	
Se		**-0.314**	
Sn		**0.616**	
Tl		**0.363**	
V		**1.28**	
Zn		**1.98**	
B		*8.22*	
Li		*1.31*	
Mo		*0.712*	
Si		*-3.44*	
Si		*-1.84*	
SiO2		*-7.36*	
Sr		*0.597*	
Ti		*1.75*	
Zr		*0.777*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab Sample ID: ICSAB 360-49137/11 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSAB_00009

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Ag	**600**	**607**	**101**
Al	**100000**	**112240**	**112**
As	**2000**	**1963**	**98**
Ba	**600**	**587**	**98**
Be	**200**	**192**	**96**
Ca	**100000**	**106167**	**106**
Cd	**600**	**569**	**95**
Co	**600**	**571**	**95**
Cr	**600**	**565**	**94**
Cu	**600**	**600**	**100**
Fe	**40000**	**42761**	**107**
K	**40000**	**42539**	**106**
Mg	**100000**	**106376**	**106**
Mn	**400**	**383**	**96**
Na		**-140**	
Ni	**600**	**575**	**96**
Pb	**2000**	**1864**	**93**
Sb		**944**	
Se	**1000**	**978**	**98**
Sn		**240**	
Tl	**2000**	**1879**	**94**
V	**600**	**584**	**97**
Zn	**600**	**553**	**92**
B		*8.03*	
Li		*1.30*	
Mo		*0.408*	
Si		*-2.77*	
Si		*-0.916*	
SiO2		*-5.94*	
Sr		*0.624*	
Ti		*1.72*	
Zr		*1.66*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab Sample ID: ICSA 360-49137/55 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSA wk_00004

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Ag		**0.413**	
Al	**100000**	**111559**	**112**
As		**0.569**	
Ba		**0.391**	
Be		**0.0124**	
Ca	**100000**	**106108**	**106**
Cd		**0.352**	
Co		**2.08**	
Cr		**0.153**	
Cu		**0.455**	
Fe	**40000**	**42387**	**106**
K		**1845**	
Mg	**100000**	**106665**	**107**
Mn		**3.18**	
Na		**195**	
Ni		**5.68**	
Pb		**-1.34**	
Sb		**0.0742**	
Se		**1.21**	
Sn		**0.546**	
Tl		**0.770**	
V		**2.57**	
Zn		**0.115**	
B		*10.8*	
Li		*1.35*	
Mo		*2.27*	
Si		*2.45*	
Si		*0.609*	
SiO2		*5.25*	
Sr		*0.588*	
Ti		*2.24*	
Zr		*0.981*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Lab Sample ID: ICSAB 360-49137/56 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSAB_00009

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Ag	**600**	**589**	**98**
Al	**100000**	**108424**	**108**
As	**2000**	**1884**	**94**
Ba	**600**	**572**	**95**
Be	**200**	**184**	**92**
Ca	**100000**	**102420**	**102**
Cd	**600**	**550**	**92**
Co	**600**	**553**	**92**
Cr	**600**	**546**	**91**
Cu	**600**	**575**	**96**
Fe	**40000**	**41166**	**103**
K	**40000**	**42223**	**106**
Mg	**100000**	**102458**	**102**
Mn	**400**	**370**	**92**
Na		**-212**	
Ni	**600**	**558**	**93**
Pb	**2000**	**1792**	**90**
Sb		**911**	
Se	**1000**	**923**	**92**
Sn		**228**	
Tl	**2000**	**1823**	**91**
V	**600**	**566**	**94**
Zn	**600**	**532**	**89**
B		*8.22*	
Li		*1.38*	
Mo		*0.793*	
Si		*0.739*	
Si		*-0.556*	
SiO2		*1.58*	
Sr		*0.611*	
Ti		*2.05*	
Zr		*2.80*	

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

FORM IVA-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-49084/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	250	220		88	80	120		6010B
Antimony	50.0	41.4		83	80	120		6010B
Arsenic	50.0	43.9		88	80	120		6010B
Barium	50.0	45.7		91	80	120		6010B
Beryllium	50.0	44.7		89	80	120		6010B
Cadmium	50.0	44.3		89	80	120		6010B
Calcium	1000	913		91	80	120		6010B
Chromium	50.0	45.4		91	80	120		6010B
Cobalt	50.0	44.9		90	80	120		6010B
Copper	50.0	45.3		91	80	120		6010B
Iron	250	228		91	80	120		6010B
Lead	50.0	44.2		88	80	120		6010B
Magnesium	1000	875		87	80	120		6010B
Manganese	50.0	45.3		91	80	120		6010B
Nickel	50.0	44.7		89	80	120		6010B
Potassium	1000	880		88	80	120		6010B
Selenium	50.0	43.8		88	80	120		6010B
Silver	50.0	44.2		88	80	120		6010B
Sodium	1000	863		86	80	120		6010B
Thallium	50.0	44.3		89	80	120		6010B
Vanadium	50.0	45.5		91	80	120		6010B
Zinc	50.0	44.2		88	80	120		6010B
Tin	50.0	45.2		90	80	120		6010B

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 360-49084/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	218		250	87	80-120	1	30		6010B
Antimony	42.9		50.0	86	80-120	4	30		6010B
Arsenic	43.5		50.0	87	80-120	1	30		6010B
Barium	45.3		50.0	91	80-120	1	30		6010B
Beryllium	44.4		50.0	89	80-120	1	30		6010B
Cadmium	43.9		50.0	88	80-120	1	30		6010B
Calcium	904		1000	90	80-120	1	30		6010B
Chromium	45.0		50.0	90	80-120	1	30		6010B
Cobalt	44.4		50.0	89	80-120	1	30		6010B
Copper	45.0		50.0	90	80-120	1	30		6010B
Iron	226		250	91	80-120	1	30		6010B
Lead	43.7		50.0	87	80-120	1	30		6010B
Magnesium	864		1000	86	80-120	1	30		6010B
Manganese	44.8		50.0	90	80-120	1	30		6010B
Nickel	44.1		50.0	88	80-120	1	30		6010B
Potassium	836		1000	84	80-120	5	30		6010B
Selenium	43.4		50.0	87	80-120	1	30		6010B
Silver	43.7		50.0	87	80-120	1	30		6010B
Sodium	852		1000	85	80-120	1	30		6010B
Thallium	43.8		50.0	88	80-120	1	30		6010B
Vanadium	45.1		50.0	90	80-120	1	30		6010B
Zinc	43.7		50.0	87	80-120	1	30		6010B
Tin	45.0		50.0	90	80-120	0	30		6010B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24194-2

SDG Number: OCRI-02A

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: 360-24194-2

SDG No.: OCRI-02A

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: 360-24194-2

SDG No.: OCRI-02A

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: 360-24194-2

SDG No.: OCRI-02A

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	313.0042														
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: 360-24194-2

SDG No.: OCRI-02A

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: 360-24194-2

SDG No.: OCRI-02A

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: 360-24194-2

SDG No.: OCRI-02A

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: 360-24194-2

SDG No.: OCRI-02A

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: 360-24194-2

SDG No.: OCRI-02A

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: 360-24194-2

SDG No.: OCRI-02A

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.: 360-24194-2

SDG No.: OCRI-02A

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-49084/1-A	09/17/2009 09:26	49084	2.0		100
LCS 360-49084/2-A	09/17/2009 09:26	49084	2.0		100
LCSD 360-49084/3-A	09/17/2009 09:26	49084	2.0		100
360-24194-2	09/17/2009 09:26	49084	1.73		100
360-24194-5	09/17/2009 09:26	49084	1.56		100
360-24194-8	09/17/2009 09:26	49084	1.63		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/17/2009 11:12 End Date: 09/17/2009 16:54

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
ZZZZZZ			11:12																				
ZZZZZZ			11:15																				
ZZZZZZ			11:17																				
ZZZZZZ			11:20																				
ZZZZZZ			11:23																				
ICV 360-49137/6	1		11:26	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
ICB 360-49137/7	1		11:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-49137/8	1		11:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-49137/9	1		11:35	X		X	X	X		X		X							X	X	X	X	
ICSA 360-49137/10	1		11:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49137/11	1		11:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:44																				
CCV 360-49137/13	1		11:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49137/14	1		11:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-49137/15			11:52																				
ICV 360-49137/16	1		11:55												X								
ICV 360-49137/17			11:58																				
CRI 360-49137/18			12:10																				
CCV 360-49137/19	1		12:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49137/20	1		12:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49137/21	1		15:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49137/22	1		15:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 360-49084/1-A	1	T	15:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 360-49084/2-A	1	T	15:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 360-49084/3-A	1	T	15:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:25																				
ZZZZZZ			15:27																				
ZZZZZZ			15:30																				
ZZZZZZ			15:33																				
ZZZZZZ			15:36																				
CCV 360-49137/31	1		15:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49137/32	1		15:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:45																				
ZZZZZZ			15:48																				
ZZZZZZ			15:51																				
ZZZZZZ			15:53																				
ZZZZZZ			15:56																				
ZZZZZZ			15:59																				
ZZZZZZ			16:02																				
ZZZZZZ			16:05																				
ZZZZZZ			16:08																				
ZZZZZZ			16:11																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/17/2009 11:12 End Date: 09/17/2009 16:54

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
CCV 360-49137/43	1		16:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49137/44	1		16:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:19																				
360-24194-2	1	T	16:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24194-5	1	T	16:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24194-8	1	T	16:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:31																				
ZZZZZZ			16:34																				
ZZZZZZ			16:37																				
ZZZZZZ			16:40																				
CCV 360-49137/53	1		16:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49137/54	1		16:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 360-49137/55	1		16:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49137/56	1		16:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:54																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/17/2009 11:12 End Date: 09/17/2009 16:54

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			11:12																				
ZZZZZZ			11:15																				
ZZZZZZ			11:17																				
ZZZZZZ			11:20																				
ZZZZZZ			11:23																				
ICV 360-49137/6	1		11:26	X	X	X																	
ICB 360-49137/7	1		11:29	X	X	X																	
CRI 360-49137/8	1		11:32	X	X	X																	
CRI 360-49137/9	1		11:35	X	X	X																	
ICSA 360-49137/10	1		11:38	X	X	X																	
ICSAB 360-49137/11	1		11:41	X	X	X																	
ZZZZZZ			11:44																				
CCV 360-49137/13	1		11:46	X	X	X																	
CCB 360-49137/14	1		11:49	X	X	X																	
ICB 360-49137/15			11:52																				
ICV 360-49137/16	1		11:55																				
ICV 360-49137/17			11:58																				
CRI 360-49137/18			12:10																				
CCV 360-49137/19	1		12:40	X	X	X																	
CCB 360-49137/20	1		12:43	X	X	X																	
CCV 360-49137/21	1		15:02	X	X	X																	
CCB 360-49137/22	1		15:05	X	X	X																	
MB 360-49084/1-A	1	T	15:16	X	X	X																	
LCS 360-49084/2-A	1	T	15:19	X	X	X																	
LCSD 360-49084/3-A	1	T	15:22	X	X	X																	
ZZZZZZ			15:25																				
ZZZZZZ			15:27																				
ZZZZZZ			15:30																				
ZZZZZZ			15:33																				
ZZZZZZ			15:36																				
CCV 360-49137/31	1		15:39	X	X	X																	
CCB 360-49137/32	1		15:42	X	X	X																	
ZZZZZZ			15:45																				
ZZZZZZ			15:48																				
ZZZZZZ			15:51																				
ZZZZZZ			15:53																				
ZZZZZZ			15:56																				
ZZZZZZ			15:59																				
ZZZZZZ			16:02																				
ZZZZZZ			16:05																				
ZZZZZZ			16:08																				
ZZZZZZ			16:11																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24194-2

SDG No.: OCRI-02A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/17/2009 11:12 End Date: 09/17/2009 16:54

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
CCV 360-49137/43	1		16:14	X	X	X																	
CCB 360-49137/44	1		16:17	X	X	X																	
ZZZZZZ			16:19																				
360-24194-2	1	T	16:22	X	X	X																	
360-24194-5	1	T	16:25	X	X	X																	
360-24194-8	1	T	16:28	X	X	X																	
ZZZZZZ			16:31																				
ZZZZZZ			16:34																				
ZZZZZZ			16:37																				
ZZZZZZ			16:40																				
CCV 360-49137/53	1		16:43	X	X	X																	
CCB 360-49137/54	1		16:46	X	X	X																	
ICSA 360-49137/55	1		16:48	X	X	X																	
ICSAB 360-49137/56	1		16:51	X	X	X																	
ZZZZZZ			16:54																				

Prep Types

T = Total/NA

MET091709emn@720/725/730/735-ES@Quant@. All Data Report 9/18/2009, 7:11:26 AM

Blank (Blk) **9/17/2009, 11:12:12 AM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	1.633	41.1	3.97473
Al 237.312	0.000000	ug/L	4.698	52.1	9.02545
As 188.980	0.000000	ug/L	1.167	52.7	2.21576
B 249.678	0.000000	ug/L	1.705	10.6	16.1517
Ba 493.408	0.000000	ug/L	4.667	2.3	200.579
Be 313.042	0.000000	ug/L	8.799	5.0	175.078
Ca 373.690	0.000000	ug/L	0.625	2.1	29.9734
Cd 214.439	0.000000	ug/L	1.515	34.0	4.45448
Co 228.615	0.000000	ug/L	0.881	5.8	15.1767
Cr 267.716	0.000000	ug/L	6.108	18.2	33.5191
Cu 327.395	0.000000	ug/L	0.183	0.3	71.9526
Fe 273.955	0.000000	ug/L	2.025	7.6	26.7724
K 404.721	0.000000	ug/L	0.407	2.3	17.6040
Li 610.365	0.000000	ug/L	3.143	11.2	27.9688
Mg 279.078	0.000000	ug/L	2.135	16.6	12.8914
Mn 257.610	0.000000	ug/L	1.208	2.8	42.8817
Mo 202.032	0.000000	ug/L	0.780	9.4	8.34399
Na 330.237	0.000000	ug/L	0.929	6.0	15.5348
Ni 216.555	0.000000	ug/L	1.793	63.4	2.82831
Pb 220.353	0.000000	ug/L	1.677	30.4	5.51633
Sb 217.582	0.000000	ug/L	1.861	48.8	3.81415
Se 196.026	0.000000	ug/L	0.527	24.8	2.12419
Si 251.611	0.000000	ug/L	5.145	9.8	52.4966
Si 288.158	0.000000	ug/L	14.836	3.8	391.861
Sn 283.998	0.000000	ug/L	0.455	3.7	12.3308
Sr 421.552	0.000000	ug/L	1.755	4.6	38.1511
Ti 336.122	0.000000	ug/L	0.220	1.0	21.5117
Tl 190.794	0.000000	ug/L	0.227	13.4	1.69733
V 292.401	0.000000	ug/L	3.322	23.6	14.0956
Zn 202.548	0.000000	ug/L	0.163	0.4	44.4124
Zr 339.198	0.000000	ug/L	0.143	8.4	1.70178

Standard 1 (Std) **9/17/2009, 11:15:05 AM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	9.565	0.1	8925.50
Al 237.312	5000.00	ug/L	46.389	0.2	22921.2
As 188.980	1000.00	ug/L	0.302	0.0	1114.55
B 249.678	1000.00	ug/L	273.624	0.9	29521.7
Ba 493.408	1000.00	ug/L	1371.964	0.1	2561764
Be 313.042	1000.00	ug/L	3680.844	0.1	3534862
Ca 373.690	20000.0	ug/L	21.898	0.0	105391
Cd 214.439	1000.00	ug/L	113.974	0.3	40480.8
Co 228.615	1000.00	ug/L	11.110	0.1	9445.20
Cr 267.716	1000.00	ug/L	60.154	0.1	49066.5
Cu 327.395	1000.00	ug/L	381.882	0.6	69156.3
Fe 273.955	5000.00	ug/L	211.408	0.3	80934.1
K 404.721	20000.0	ug/L	1.253	0.4	295.885
Li 610.365	5000.00	ug/L	221.811	0.1	392677
Mg 279.078	20000.0	ug/L	258.801	0.3	93630.4
Mn 257.610	1000.00	ug/L	445.477	0.1	308583
Mo 202.032	1000.00	ug/L	25.182	0.3	9267.33
Na 330.237	20000.0	ug/L	4.674	0.2	2893.79

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	3.159	0.0	8630.42
Pb 220.353	1000.00	ug/L	16.483	0.3	5331.28
Sb 217.582	1000.00	ug/L	4.842	0.2	1949.65
Se 196.026	1000.00	ug/L	2.027	0.4	564.828
Si 251.611	1000.00	ug/L	61.096	1.1	5547.67
Si 288.158	1000.00	ug/L	125.854	1.0	12769.7
Sn 283.998	1000.00	ug/L	15.239	0.3	4744.56
Sr 421.552	1000.00	ug/L	2523.487	0.1	2501356
Ti 336.122	1000.00	ug/L	46.095	0.0	252048
Tl 190.794	1000.00	ug/L	1.197	0.1	815.797
V 292.401	1000.00	ug/L	22.108	0.1	41145.3
Zn 202.548	1000.00	ug/L	79.920	0.3	24231.2
Zr 339.198	1000.00	ug/L	264.618	0.4	61375.7

Standard 2 (Std) **9/17/2009, 11:17:57 AM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	338.649	0.3	107269
Ca 373.690	100000	ug/L	2083.733	0.4	477380
Fe 273.955	25000.0	ug/L	1099.109	0.3	365856
K 404.721	100000	ug/L	5.879	0.3	1824.56
Mg 279.078	100000	ug/L	937.911	0.2	439127
Na 330.237	100000	ug/L	41.727	0.3	16391.5

RB (ICV) **9/17/2009, 11:20:50 AM** **Rack 0, Tube 4**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	6.70234	ug/L	0.701687	10.5	63.7698	-
Al 237.312	0.802260	ug/L	0.026903	3.4	12.7603	-
As 188.980	3.21944	ug/L	0.771526	24.0	5.79684	-
B 249.678	9.63559	ug/L	0.220877	2.3	300.455	-
Ba 493.408	0.203050	ug/L	0.120563	59.4	720.704	-
Be 313.042	0.164667	ug/L	0.101968	61.9	757.125	-
Ca 373.690	5.07862	ug/L	2.33890	46.1	57.3557	-
Cd 214.439	0.115535	ug/L	0.014375	12.4	9.13094	-
Co 228.615	0.442284	ug/L	0.337710	76.4	19.3475	-
Cr 267.716	0.079430uv	ug/L	0.171444	215.8	37.4138	-
Cu 327.395	0.776380	ug/L	0.135509	17.5	125.588	-
Fe 273.955	3.48035	ug/L	1.53538	44.1	84.4357	-
K 404.721	-72.1092uv	ug/L	592.463	821.6	16.6787	-
Li 610.365	-0.337688uv	ug/L	0.009972	3.0	1.45020	-
Mg 279.078	4.46092	ug/L	1.88500	42.3	34.0954	-
Mn 257.610	0.312389	ug/L	0.104972	33.6	139.266	-
Mo 202.032	2.46999	ug/L	0.902532	36.5	31.2136	-
Na 330.237	-16.0900uv	ug/L	32.7497	203.5	13.2991	-
Ni 216.555	0.519416	ug/L	0.280265	54.0	7.30962	-
Pb 220.353	0.173103uv	ug/L	0.299205	172.8	6.43823	-
Sb 217.582	-0.733392uv	ug/L	0.533514	72.7	2.38708	-
Se 196.026	6.80013	ug/L	2.90830	42.8	5.95065	-
Si 251.611	-1.19518uv	ug/L	0.822175	68.8	45.9289	-
Si 288.158	-0.553053uv	ug/L	1.66829	301.7	385.015	-
Sn 283.998	0.154399uv	ug/L	0.734223	475.5	13.0615	-
Sr 421.552	0.193053	ug/L	0.114469	59.3	531.039	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	0.214710	ug/L	0.071004	33.1	75.6243	-
Tl 190.794	2.41136	ug/L	0.841697	34.9	3.66042	-
V 292.401	0.570302	ug/L	0.175833	30.8	37.5528	-
Zn 202.548	0.348063	ug/L	0.079280	22.8	52.8309	-
Zr 339.198	0.233201	ug/L	0.087279	37.4	16.0143	-

IPC (ICV) **9/17/2009, 11:23:43 AM** **Rack 0, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	991.303	ug/L	0.062148	0.0	8847.91	99.13032
Al 237.312	4970.04	ug/L	1.68387	0.0	22786.1	99.40082
As 188.980	993.221	ug/L	0.463780	0.0	1107.01	99.32206
B 249.678	998.528	ug/L	7.92975	0.8	29478.2	99.85275
Ba 493.408	995.114	ug/L	1.46255	0.1	2549249	99.51143
Be 313.042	993.811	ug/L	1.27093	0.1	3512987	99.38113
Ca 373.690	19856.3	ug/L	13.9861	0.1	104652	99.28140
Cd 214.439	991.570	ug/L	0.522044	0.1	40139.6	99.15704
Co 228.615	993.096	ug/L	0.421571	0.0	9380.09	99.30956
Cr 267.716	992.918	ug/L	0.717983	0.1	48719.3	99.29181
Cu 327.395	990.345	ug/L	0.431411	0.0	68489.3	99.03447
Fe 273.955	4964.09	ug/L	2.29499	0.0	80366.8	99.28180
K 404.721	20078.0	ug/L	86.2408	0.4	297.052	100.39014
Li 610.365	4960.93	ug/L	1.76397	0.0	389609	99.21861
Mg 279.078	19825.7	ug/L	7.84032	0.0	92826.9	99.12836
Mn 257.610	992.779	ug/L	0.109795	0.0	306355	99.27788
Mo 202.032	995.918	ug/L	3.49199	0.4	9229.53	99.59184
Na 330.237	19827.4	ug/L	8.69658	0.0	2868.10	99.13696
Ni 216.555	993.828	ug/L	1.64399	0.2	8577.17	99.38283
Pb 220.353	991.319	ug/L	0.387174	0.0	5285.04	99.13190
Sb 217.582	993.910	ug/L	1.81964	0.2	1937.80	99.39097
Se 196.026	995.139	ug/L	0.599125	0.1	562.093	99.51390
Si 251.611	990.011	ug/L	9.28186	0.9	5492.78	99.00112
Si 288.158	991.787	ug/L	9.65815	1.0	12668.0	99.17873
Sn 283.998	992.692	ug/L	1.37062	0.1	4709.97	99.26916
Sr 421.552	994.573	ug/L	1.23852	0.1	2487781	99.45726
Ti 336.122	993.885	ug/L	2.37807	0.2	250507	99.38853
Tl 190.794	996.612	ug/L	3.20680	0.3	813.039	99.66118
V 292.401	994.029	ug/L	0.819966	0.1	40899.7	99.40285
Zn 202.548	991.022	ug/L	0.135345	0.0	24014.0	99.10225
Zr 339.198	1010.16	ug/L	0.331111	0.0	61999.1	101.01573

ICV (ICV) **9/17/2009, 11:26:37 AM** **Rack 0, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	970.849	ug/L	0.277983	0.0	8665.43	97.08490
Al 237.312	973.930	ug/L	0.376773	0.0	4529.25	97.39299
As 188.980	964.915	ug/L	0.469952	0.0	1075.52	96.49154
B 249.678	987.502	ug/L	6.60919	0.7	29152.9	98.75022
Ba 493.408	978.320	ug/L	1.26946	0.1	2506230	97.83204
Be 313.042	977.515	ug/L	1.61861	0.2	3455384	97.75149
Ca 373.690	9805.76	ug/L	8.67242	0.1	52305.4	98.05764

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	977.959	ug/L	0.082044	0.0	39588.7	97.79594
Co 228.615	981.882	ug/L	1.25738	0.1	9274.34	98.18816
Cr 267.716	967.908	ug/L	0.676810	0.1	47492.9	96.79076
Cu 327.395	969.446	ug/L	0.435252	0.0	67045.5	96.94458
Fe 273.955	960.841	ug/L	0.711811	0.1	15875.0	96.08409
K 404.721	8777.97	ug/L	179.056	2.0	134.625	87.77969Q
Li 610.365	9799.11	ug/L	19.6036	0.2	769550	97.99106
Mg 279.078	9699.45	ug/L	7.12631	0.1	45776.7	96.99452
Mn 257.610	977.618	ug/L	0.780001	0.1	301677	97.76178
Mo 202.032	969.693	ug/L	2.50789	0.3	8986.71	96.96925
Na 330.237	9020.07	ug/L	19.2376	0.2	1289.07	90.20071
Ni 216.555	977.833	ug/L	1.03170	0.1	8439.17	97.78330
Pb 220.353	981.515	ug/L	1.99474	0.2	5232.83	98.15149
Sb 217.582	934.549	ug/L	3.39095	0.4	1822.30	93.45489
Se 196.026	986.616	ug/L	0.895018	0.1	557.297	98.66155
Si 251.611	563.411	ug/L	26.5816	4.7	3148.54	112.68227Q
Si 288.158	560.727	ug/L	26.2937	4.7	7332.43	112.14539Q
Sn 283.998	973.089	ug/L	2.10915	0.2	4617.21	97.30894
Sr 421.552	976.099	ug/L	0.283378	0.0	2441572	97.60990
Ti 336.122	958.263	ug/L	0.820052	0.1	241529	95.82627
Tl 190.794	981.887	ug/L	4.51570	0.5	801.052	98.18872
V 292.401	979.072	ug/L	0.616086	0.1	40284.5	97.90715
Zn 202.548	984.310	ug/L	0.457953	0.0	23851.7	98.43103
Zr 339.198	1008.11	ug/L	2.65869	0.3	61873.7	100.81145

ICB (ICB) **9/17/2009, 11:29:31 AM** **Rack 0, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.036471uv	ug/L	0.206264	565.6	4.30011	0.03647
Al 237.312	-0.175536uv	ug/L	0.483921	275.7	8.20825	-0.17554
As 188.980	0.920017uv	ug/L	1.37286	149.2	3.23912	0.92002
B 249.678	35.9019	ug/L	4.75707	13.3	1075.46	35.90194
Ba 493.408	0.050626	ug/L	0.027696	54.7	330.260	0.05063
Be 313.042	0.052555	ug/L	0.028485	54.2	360.842	0.05255
Ca 373.690	1.46741	ug/L	0.186987	12.7	37.8853	1.46741
Cd 214.439	0.007041	ug/L	0.000742	10.5	4.73947	0.00704
Co 228.615	0.174888	ug/L	0.215531	123.2	16.8259	0.17489
Cr 267.716	-0.074185uv	ug/L	0.090547	122.1	29.8816	-0.07418
Cu 327.395	0.152654	ug/L	0.111802	73.2	82.4987	0.15265
Fe 273.955	0.681952	ug/L	0.526796	77.2	38.0713	0.68195
K 404.721	-366.263uv	ug/L	122.833	33.5	12.8883	-366.26337
Li 610.365	-0.154524uv	ug/L	0.095812	62.0	15.8340	-0.15452
Mg 279.078	1.57331	ug/L	1.51405	96.2	20.3698	1.57331
Mn 257.610	0.093735	ug/L	0.034615	36.9	71.8026	0.09373
Mo 202.032	11.9578	ug/L	2.01180	16.8	119.061	11.95784
Na 330.237	-60.7535uv	ug/L	18.9367	31.2	7.09302	-60.75351
Ni 216.555	0.542631	ug/L	0.333165	61.4	7.50990	0.54263
Pb 220.353	0.316896uv	ug/L	0.959316	302.7	7.20404	0.31690
Sb 217.582	3.21850	ug/L	0.635840	19.8	10.0768	3.21850
Se 196.026	3.51817	ug/L	0.025128	0.7	4.10388	3.51817
Si 251.611	-0.219175uv	ug/L	0.237729	108.5	51.2922	-0.21918
Si 288.158	0.442046	ug/L	0.399917	90.5	397.333	0.44205
Sn 283.998	0.169554uv	ug/L	0.250657	147.8	13.1332	0.16955

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.055114	ug/L	0.030175	54.8	176.008	0.05511
Ti 336.122	0.565262	ug/L	0.112015	19.8	163.973	0.56526
Tl 190.794	0.723049	ug/L	0.550845	76.2	2.28597	0.72305
V 292.401	0.138124	ug/L	0.049130	35.6	19.7768	0.13812
Zn 202.548	0.087704	ug/L	0.070431	80.3	46.5337	0.08770
Zr 339.198	0.215420	ug/L	0.116487	54.1	14.9230	0.21542

CRI-RL (CRI) **9/17/2009, 11:32:25 AM** **Rack 0, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	5.20185	ug/L	0.373866	7.2	50.3832	104.03706
Al 237.312	102.937	ug/L	0.452532	0.4	488.088	102.93692
As 188.980	10.0708	ug/L	1.64164	16.3	13.4178	100.70772
B 249.678	26.7994	ug/L	0.862650	3.2	806.880	267.99353R
Ba 493.408	11.1183	ug/L	0.025979	0.2	28680.8	111.18317
Be 313.042	1.00475	ug/L	0.003042	0.3	3726.54	100.47450
Ca 373.690	408.007	ug/L	0.127274	0.0	2228.80	102.00182
Cd 214.439	1.00114	ug/L	0.042328	4.2	44.9769	100.11359
Co 228.615	10.8289	ug/L	0.150887	1.4	117.293	108.28880
Cr 267.716	5.07026	ug/L	0.023705	0.5	282.129	101.40511
Cu 327.395	10.9082	ug/L	0.136569	1.3	825.539	109.08203
Fe 273.955	104.706	ug/L	0.082028	0.1	1760.74	104.70581
K 404.721	3585.94	ug/L	203.886	5.7	64.4426	89.64861
Li 610.365	81.9757	ug/L	0.298672	0.4	6465.50	-R
Mg 279.078	417.642	ug/L	0.077966	0.0	1997.44	104.41043
Mn 257.610	10.6046	ug/L	0.001192	0.0	3314.83	106.04618
Mo 202.032	13.2110	ug/L	0.904523	6.8	130.665	132.11023R
Na 330.237	1988.67	ug/L	60.5755	3.0	292.845	99.43356
Ni 216.555	10.5150	ug/L	0.118609	1.1	93.5472	105.14972
Pb 220.353	5.43211	ug/L	0.099287	1.8	34.4465	108.64228
Sb 217.582	10.1825	ug/L	0.884776	8.7	23.6277	101.82520
Se 196.026	12.4175	ug/L	2.43021	19.6	9.11158	124.17520
Si 251.611	93.9407	ug/L	0.946317	1.0	568.717	93.94066
Si 288.158	96.2947	ug/L	1.02982	1.1	1583.78	96.29469
Sn 283.998	31.2808	ug/L	0.985609	3.2	160.358	62.56152R
Sr 421.552	21.8664	ug/L	0.046217	0.2	54733.0	109.33197
Ti 336.122	10.4213	ug/L	0.059250	0.6	2647.97	104.21329
Tl 190.794	12.2554	ug/L	0.514928	4.2	11.6744	122.55367
V 292.401	10.3509	ug/L	0.079341	0.8	439.842	103.50935
Zn 202.548	51.6364	ug/L	0.126651	0.2	1293.33	103.27274
Zr 339.198	9.89171	ug/L	0.061876	0.6	608.796	-R

CRI2-MCP (CRI) **9/17/2009, 11:35:19 AM** **Rack 0, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	7.48902	ug/L	0.494553	6.6	70.7882	106.98602
Al 237.312	-0.585607uv	ug/L	0.025846	4.4	6.29919	-
As 188.980	48.6220	ug/L	0.659560	1.4	56.2996	97.24409
B 249.678	11.8191	ug/L	0.469109	4.0	364.880	-
Ba 493.408	2175.25	ug/L	2.69498	0.1	5572251	108.76270
Be 313.042	4.13672	ug/L	0.003768	0.1	14797.1	103.41803

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	15.5722	ug/L	0.575133	3.7	113.933	-
Cd 214.439	5.16534	ug/L	0.013894	0.3	213.529	103.30672
Co 228.615	0.198022	ug/L	0.178700	90.2	17.0441	-
Cr 267.716	106.631	ug/L	0.085653	0.1	5261.98	106.63144
Cu 327.395	0.046579uv	ug/L	0.108599	233.1	75.1705	-
Fe 273.955	1.05080	ug/L	0.107784	10.3	44.1826	-
K 404.721	137.140	ug/L	126.675	92.4	19.3711	-
Li 610.365	-0.076255uv	ug/L	0.008406	11.0	21.9805	-
Mg 279.078	0.567489uv	ug/L	1.17158	206.5	15.5888	-
Mn 257.610	0.035856	ug/L	0.011026	30.7	53.9448	-
Mo 202.032	1.66985	ug/L	0.746852	44.7	23.8051	-
Na 330.237	-41.3068uv	ug/L	19.2821	46.7	9.79517	-
Ni 216.555	110.221	ug/L	0.787640	0.7	953.766	110.22051
Pb 220.353	16.7005	ug/L	0.205331	1.2	94.4593	111.33676
Sb 217.582	7.09433	ug/L	0.266624	3.8	17.6186	118.23877
Se 196.026	52.4909	ug/L	0.857918	1.6	31.6610	104.98174
Si 251.611	-1.28042uv	ug/L	1.30557	102.0	45.4605	-
Si 288.158	-1.31204uv	ug/L	0.726445	55.4	375.621	-
Sn 283.998	46.4694	ug/L	0.164288	0.4	232.235	-
Sr 421.552	0.009462	ug/L	0.001978	20.9	61.8181	-
Ti 336.122	0.109655	ug/L	0.064129	58.5	49.1477	-
Tl 190.794	1.98077	ug/L	1.00890	50.9	3.30988	99.03852
V 292.401	51.8503	ug/L	0.090927	0.2	2146.76	103.70058
Zn 202.548	945.132	ug/L	3.74114	0.4	22904.1	105.01462
Zr 339.198	0.028096	ug/L	0.005955	21.2	3.42615	-

Interf Check A (ICSA) **9/17/2009, 11:38:14 AM** **Rack 0, Tube 10**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.522199	ug/L	0.238008	45.6	8.63354	0.52220
Al 237.312	115172	ug/L	114.728	0.1	4612265	171.82031K
As 188.980	0.275591uv	ug/L	1.39424	505.9	2.52231	0.27559
B 249.678	8.22038	ug/L	0.182835	2.2	258.698	8.22038
Ba 493.408	0.372711	ug/L	0.026993	7.2	1155.30	0.37271
Be 313.042	0.005860	ug/L	0.004127	70.4	195.789	0.00586
Ca 373.690	109519	ug/L	34.6151	0.0	5169369	519.40625K
Cd 214.439	0.375215	ug/L	0.016021	4.3	19.6418	0.37521
Co 228.615	1.71512	ug/L	0.111150	6.5	31.3503	1.71512
Cr 267.716	0.271834	ug/L	0.034804	12.8	46.8480	0.27183
Cu 327.395	0.322003	ug/L	0.046614	14.5	94.1980	0.32200
Fe 273.955	43899.2	ug/L	72.3403	0.2	6058353	899.21094K
K 404.721	1432.71	ug/L	255.080	17.8	36.1587	1432.71069
Li 610.365	1.30570	ug/L	0.072931	5.6	130.505	1.30570
Mg 279.078	110351	ug/L	143.482	0.1	4808300	350.64063K
Mn 257.610	3.24411	ug/L	0.005584	0.2	1043.82	3.24411
Mo 202.032	0.712460	ug/L	0.192407	27.0	14.9406	0.71246
Na 330.237	118.298	ug/L	14.1612	12.0	31.9760	118.29813
Ni 216.555	5.80572	ug/L	0.102938	1.8	52.9177	5.80572
Pb 220.353	-0.643230uv	ug/L	0.303127	47.1	2.09064	-0.64323
Sb 217.582	0.155235uv	ug/L	0.469636	302.5	4.11621	0.15524
Se 196.026	-0.314475uv	ug/L	0.158075	50.3	1.94724	-0.31447
Si 251.611	-3.44035uv	ug/L	1.05148	30.6	33.5913	-3.44035
Si 288.158	-1.83865uv	ug/L	1.01515	55.2	369.103	-1.83865

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 283.998	0.615843	ug/L	0.833066	135.3	15.2451	0.61584
Sr 421.552	0.597025	ug/L	0.001104	0.2	1531.50	0.59703
Ti 336.122	1.74988	ug/L	0.017101	1.0	462.528	1.74988
Tl 190.794	0.362839uv	ug/L	2.28051	628.5	1.99272	0.36284
V 292.401	1.28164	ug/L	0.216157	16.9	66.8112	1.28164
Zn 202.548	1.98357	ug/L	0.608656	30.7	92.3886	1.98357
Zr 339.198	0.776714	ug/L	0.047520	6.1	49.3718	0.77671

Interf Check AB (ICSAB) **9/17/2009, 11:41:09 AM** **Rack 0, Tube 11**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	607.467	ug/L	0.806285	0.1	5423.51	101.24453
Al 237.312	112240	ug/L	82.8033	0.1	449716	112.23965
As 188.980	1962.93	ug/L	3.24948	0.2	2185.65	98.14674
B 249.678	8.03448	ug/L	1.08831	13.5	253.213	-
Ba 493.408	587.288	ug/L	0.472498	0.1	1504575	97.88128
Be 313.042	191.637	ug/L	0.011307	0.0	677553	95.81865
Ca 373.690	106167	ug/L	137.720	0.1	503006	106.16707
Cd 214.439	568.554	ug/L	0.236767	0.0	23017.5	94.75896
Co 228.615	570.621	ug/L	0.345871	0.1	5396.14	95.10349
Cr 267.716	565.417	ug/L	0.572151	0.1	27757.6	94.23617
Cu 327.395	599.778	ug/L	0.739864	0.1	41507.2	99.96297
Fe 273.955	42761.1	ug/L	28.4666	0.1	591384	106.90282
K 404.721	42539.1	ug/L	104.713	0.2	659.299	106.34782
Li 610.365	1.29725	ug/L	0.021631	1.7	129.842	-
Mg 279.078	106376	ug/L	114.491	0.1	464815	106.37579
Mn 257.610	382.918	ug/L	0.046503	0.0	118189	95.72961
Mo 202.032	0.407523	ug/L	0.188088	46.2	12.1172	-
Na 330.237	-140.002uv	ug/L	48.8762	34.9	-3.91870	-
Ni 216.555	574.877	ug/L	3.10045	0.5	4962.63	95.81287
Pb 220.353	1864.11	ug/L	2.62342	0.1	9933.30	93.20530
Sb 217.582	944.485	ug/L	7.42138	0.8	1841.63	94.44847
Se 196.026	978.237	ug/L	1.99400	0.2	552.582	97.82365
Si 251.611	-2.77400uv	ug/L	0.971728	35.0	37.2530	-
Si 288.158	-0.916203uv	ug/L	1.19809	130.8	380.520	-
Sn 283.998	240.277	ug/L	0.501608	0.2	1149.38	-
Sr 421.552	0.624462	ug/L	0.000795	0.1	1600.13	-
Ti 336.122	1.71775	ug/L	0.020107	1.2	454.430	-
Tl 190.794	1878.57	ug/L	1.23744	0.1	1531.04	93.92831
V 292.401	584.410	ug/L	0.073197	0.0	24051.6	97.40173
Zn 202.548	553.253	ug/L	2.85739	0.5	13425.8	92.20889
Zr 339.198	1.65781	ug/L	0.060453	3.6	103.448	-

RB (ICSAB) **9/17/2009, 11:44:03 AM** **Rack 4, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.287959uv	ug/L	0.281807	97.9	1.40570	-
Al 237.312	1.59131	ug/L	0.147681	9.3	16.4337	-
As 188.980	0.624415	ug/L	0.297760	47.7	2.91032	-
B 249.678	4.74847	ug/L	0.071232	1.5	156.258	-
Ba 493.408	-0.000273uv	ug/L	0.006489	2374.0	199.879	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	0.007013	ug/L	0.001871	26.7	199.865	-
Ca 373.690	1.42403	ug/L	0.485911	34.1	37.6514	-
Cd 214.439	0.000938uv	ug/L	0.020994	2239.2	4.49243	-
Co 228.615	0.155091	ug/L	0.178855	115.3	16.6392	-
Cr 267.716	-0.067207uv	ug/L	0.029219	43.5	30.2238	-
Cu 327.395	0.208342	ug/L	0.096374	46.3	86.3458	-
Fe 273.955	5.53757	ug/L	1.31065	23.7	118.519	-
K 404.721	-232.613uv	ug/L	574.726	247.1	14.6099	-
Li 610.365	-0.246485uv	ug/L	0.024709	10.0	8.61230	-
Mg 279.078	1.69374	ug/L	0.118018	7.0	20.9422	-
Mn 257.610	0.027622	ug/L	0.001557	5.6	51.4041	-
Mo 202.032	0.299240	ug/L	0.039743	13.3	11.1146	-
Na 330.237	-6.54316uv	ug/L	9.25964	141.5	14.6256	-
Ni 216.555	0.224317	ug/L	0.140454	62.6	4.76363	-
Pb 220.353	0.411719	ug/L	0.099173	24.1	7.70905	-
Sb 217.582	0.929021	ug/L	0.597935	64.4	5.62187	-
Se 196.026	0.906897	ug/L	0.038100	4.2	2.63451	-
Si 251.611	-0.348445uv	ug/L	2.56705	736.7	50.5818	-
Si 288.158	0.041352uv	ug/L	2.89208	6993.9	392.373	-
Sn 283.998	-0.214967uv	ug/L	0.156811	72.9	11.3135	-
Sr 421.552	0.001774uv	ug/L	0.002668	150.4	42.5894	-
Ti 336.122	0.115715	ug/L	0.077212	66.7	50.6750	-
Tl 190.794	1.48457	ug/L	0.318141	21.4	2.90593	-
V 292.401	0.200184	ug/L	0.012690	6.3	22.3294	-
Zn 202.548	0.130642	ug/L	0.037047	28.4	47.5722	-
Zr 339.198	0.023321	ug/L	0.004742	20.3	3.13306	-

CCV (CCV) **9/17/2009, 11:46:58 AM** **Rack 4, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	992.775	ug/L	2.23094	0.2	8861.04	99.27745
Al 237.312	4977.53	ug/L	3.09152	0.1	22819.8	99.55054
As 188.980	990.588	ug/L	0.819621	0.1	1104.08	99.05878
B 249.678	996.783	ug/L	17.0533	1.7	29426.7	99.67827
Ba 493.408	996.505	ug/L	1.26221	0.1	2552810	99.65047
Be 313.042	994.910	ug/L	0.328910	0.0	3516871	99.49101
Ca 373.690	19846.3	ug/L	0.843834	0.0	104601	99.23151
Cd 214.439	990.656	ug/L	1.02644	0.1	40102.6	99.06564
Co 228.615	992.823	ug/L	1.14279	0.1	9377.52	99.28231
Cr 267.716	992.995	ug/L	0.620099	0.1	48723.0	99.29945
Cu 327.395	995.344	ug/L	1.47956	0.1	68834.7	99.53444
Fe 273.955	4966.82	ug/L	5.86712	0.1	80410.0	99.33645
K 404.721	20073.9	ug/L	195.150	1.0	296.991	100.36955
Li 610.365	4956.86	ug/L	0.244449	0.0	389289	99.13715
Mg 279.078	19825.3	ug/L	31.9938	0.2	92825.1	99.12639
Mn 257.610	993.380	ug/L	0.978055	0.1	306541	99.33799
Mo 202.032	995.815	ug/L	2.19180	0.2	9228.58	99.58154
Na 330.237	19900.6	ug/L	5.60990	0.0	2879.00	99.50311
Ni 216.555	994.386	ug/L	0.794330	0.1	8581.99	99.43862
Pb 220.353	994.699	ug/L	2.21610	0.2	5303.04	99.46988
Sb 217.582	990.771	ug/L	1.09942	0.1	1931.69	99.07710
Se 196.026	1000.16	ug/L	1.68408	0.2	564.917	100.01564
Si 251.611	987.290	ug/L	8.10601	0.8	5477.82	98.72896

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	987.063	ug/L	8.59184	0.9	12609.5	98.70625
Sn 283.998	995.052	ug/L	1.66177	0.2	4721.14	99.50525
Sr 421.552	996.801	ug/L	0.095380	0.0	2493355	99.68011
Ti 336.122	996.637	ug/L	0.216482	0.0	251201	99.66367
Tl 190.794	997.763	ug/L	1.35319	0.1	813.976	99.77634
V 292.401	993.916	ug/L	0.081526	0.0	40895.1	99.39156
Zn 202.548	991.415	ug/L	1.25125	0.1	24023.5	99.14149
Zr 339.198	990.205	ug/L	3.21362	0.3	60774.5	99.02049

CCB (CCB) **9/17/2009, 11:49:51 AM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.136854uv	ug/L	0.021595	15.8	2.75378	-0.13685
Al 237.312	-1.27759uv	ug/L	0.350518	27.4	3.07770	-1.27759
As 188.980	1.60887	ug/L	0.035182	2.2	4.00536	1.60887
B 249.678	27.3920	ug/L	4.10854	15.0	824.367	27.39202
Ba 493.408	0.003656	ug/L	0.003851	105.3	209.944	0.00366
Be 313.042	0.023308	ug/L	0.003487	15.0	257.465	0.02331
Ca 373.690	-0.041205uv	ug/L	0.752558	1826.4	29.7512	-0.04121
Cd 214.439	-0.010851uv	ug/L	0.048897	450.6	4.01526	-0.01085
Co 228.615	-0.073376uv	ug/L	0.011568	15.8	14.4848	-0.07338
Cr 267.716	-0.084367uv	ug/L	0.044513	52.8	29.3823	-0.08437
Cu 327.395	0.051817uv	ug/L	0.190212	367.1	75.5323	0.05182
Fe 273.955	1.55158	ug/L	0.782328	50.4	52.4796	1.55158
K 404.721	-83.4825uv	ug/L	158.470	189.8	16.5292	-83.48251
Li 610.365	-0.333982uv	ug/L	0.044969	13.5	1.74121	-0.33398
Mg 279.078	1.10631	ug/L	0.882198	79.7	18.1500	1.10631
Mn 257.610	0.006034uv	ug/L	0.016978	281.4	44.7433	0.00603
Mo 202.032	10.4909	ug/L	1.74488	16.6	105.479	10.49088
Na 330.237	-15.4293uv	ug/L	7.42212	48.1	13.3909	-15.42931
Ni 216.555	0.059494uv	ug/L	0.091016	153.0	3.34160	0.05949
Pb 220.353	0.089872uv	ug/L	0.378143	420.8	5.99496	0.08987
Sb 217.582	1.27767	ug/L	0.891840	69.8	6.30028	1.27767
Se 196.026	5.00195	ug/L	0.688069	13.8	4.93881	5.00195
Si 251.611	-1.32271uv	ug/L	0.847174	64.0	45.2281	-1.32271
Si 288.158	-0.724998uv	ug/L	0.965120	133.1	382.887	-0.72500
Sn 283.998	-0.196149uv	ug/L	0.075296	38.4	11.4026	-0.19615
Sr 421.552	0.010394	ug/L	0.004098	39.4	64.1499	0.01039
Ti 336.122	0.393104	ug/L	0.134769	34.3	120.584	0.39310
Tl 190.794	1.52536	ug/L	1.43413	94.0	2.93913	1.52536
V 292.401	0.128272	ug/L	0.051285	40.0	19.3716	0.12827
Zn 202.548	-0.032290uv	ug/L	0.025534	79.1	43.6315	-0.03229
Zr 339.198	0.481598	ug/L	0.054915	11.4	31.2594	0.48160

ICB RR (Samp) **9/17/2009, 11:52:46 AM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.292276	ug/L	0.351787	120.4	6.58228
Al 237.312	-0.742408uv	ug/L	0.102680	13.8	5.56921
As 188.980	-0.354390uv	ug/L	0.310297	87.6	1.82156
B 249.678	12.0274	ug/L	0.584788	4.9	371.027

MET091709emn@720/725/730/735-ES@Quant@. All Data Report 9/18/2009, 7:11:26 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	-0.011113uv	ug/L	0.007507	67.6	172.113
Be 313.042	0.007277	ug/L	0.001971	27.1	200.801
Ca 373.690	0.658563	ug/L	0.619491	94.1	33.5242
Cd 214.439	-0.020755uv	ug/L	0.041324	199.1	3.61441
Co 228.615	0.114489	ug/L	0.093495	81.7	16.2564
Cr 267.716	-0.102692uv	ug/L	0.059027	57.5	28.4838
Cu 327.395	0.049620uv	ug/L	0.094208	189.9	75.3806
Fe 273.955	0.544519	ug/L	0.091467	16.8	35.7943
K 404.721	-587.902uv	ug/L	0.563174	0.1	10.0347
Li 610.365	-0.300344uv	ug/L	0.002075	0.7	4.38281
Mg 279.078	0.848492	ug/L	0.092849	10.9	16.9245
Mn 257.610	0.011544	ug/L	0.005346	46.3	46.4435
Mo 202.032	2.48835	ug/L	0.850445	34.2	31.3836
Na 330.237	-1.01692uv	ug/L	72.2128	7101.1	15.3938
Ni 216.555	0.079449	ug/L	0.039844	50.2	3.51376
Pb 220.353	-0.164708uv	ug/L	0.518775	315.0	4.63913
Sb 217.582	0.423118	ug/L	0.141762	33.5	4.63747
Se 196.026	1.44376uv	ug/L	2.40655	166.7	2.93660
Si 251.611	-1.66893uv	ug/L	0.862834	51.7	43.3255
Si 288.158	-1.19976uv	ug/L	0.812540	67.7	377.011
Sn 283.998	-0.138161uv	ug/L	0.112506	81.4	11.6770
Sr 421.552	0.001206uv	ug/L	0.002604	216.0	41.1665
Ti 336.122	0.155031	ug/L	0.014257	9.2	60.5837
Tl 190.794	0.184695uv	ug/L	0.532694	288.4	1.84769
V 292.401	0.015577uv	ug/L	0.069213	444.3	14.7363
Zn 202.548	-0.048791uv	ug/L	0.002522	5.2	43.2324
Zr 339.198	0.290533	ug/L	0.052009	17.9	19.5330

ICVNa K Mg Ca 75ppm (Samp) 9/17/2009, 11:55:40 AM Rack 1, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.229212	ug/L	0.173939	75.9	6.01965
Al 237.312	2.78439	ug/L	1.27157	45.7	21.9879
As 188.980	0.032930uv	ug/L	1.45380	4414.9	2.25239
B 249.678	7.74895	ug/L	0.319930	4.1	244.789
Ba 493.408	0.227202	ug/L	0.005131	2.3	782.571
Be 313.042	0.048335	ug/L	0.001012	2.1	345.928
Ca 373.690	78083.8	ug/L	154.000	0.2	383342
Cd 214.439	-0.037026uv	ug/L	0.006735	18.2	2.95581
Co 228.615	0.500971	ug/L	0.147573	29.5	19.9009
Cr 267.716	-0.025486uv	ug/L	0.099868	391.9	32.2695
Cu 327.395	0.394244	ug/L	0.075331	19.1	99.1887
Fe 273.955	3.99287	ug/L	0.213761	5.4	92.9271
K 404.721	75902.9	ug/L	317.369	0.4	1294.13
Li 610.365	1.11766	ug/L	0.034470	3.1	115.738
Mg 279.078	76736.2	ug/L	127.064	0.2	343438
Mn 257.610	3.80182	ug/L	0.012597	0.3	1215.90
Mo 202.032	1.37304	ug/L	0.338549	24.7	21.0569
Na 330.237	77068.4	ug/L	271.993	0.4	12197.8
Ni 216.555	1.04139	ug/L	0.042755	4.1	11.8130
Pb 220.353	0.561225	ug/L	0.108889	19.4	8.50528
Sb 217.582	1.22484	ug/L	0.713836	58.3	6.19748
Se 196.026	3.08292	ug/L	0.977288	31.7	3.85896

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	2.84530	ug/L	1.21803	42.8	68.1320
Si 288.158	0.510232	ug/L	0.464715	91.1	398.177
Sn 283.998	-0.329796uv	ug/L	0.153838	46.6	10.7701
Sr 421.552	0.489231	ug/L	0.003224	0.7	1261.87
Ti 336.122	1.50387	ug/L	0.023526	1.6	400.526
Tl 190.794	0.239997uv	ug/L	0.937678	390.7	1.89272
V 292.401	1.07972	ug/L	0.023554	2.2	58.5056
Zn 202.548	-0.565413uv	ug/L	0.229236	40.5	30.7369
Zr 339.198	0.493315	ug/L	0.076385	15.5	31.9785

ICV Sb 1ppm (Samp) **9/17/2009, 11:58:34 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.021256uv	ug/L	0.297519	1399.7	4.16437
Al 237.312	-0.394088uv	ug/L	0.713979	181.2	7.19080
As 188.980	-1.10129uv	ug/L	0.133462	12.1	0.990761
B 249.678	5.45197	ug/L	0.140591	2.6	177.015
Ba 493.408	-0.016069uv	ug/L	0.004464	27.8	159.417
Be 313.042	-0.033027uv	ug/L	0.001642	5.0	58.3374
Ca 373.690	2.79589	ug/L	1.35947	48.6	45.0480
Cd 214.439	-0.032137uv	ug/L	0.018832	58.6	3.15370
Co 228.615	0.212930	ug/L	0.090921	42.7	17.1847
Cr 267.716	-0.110387uv	ug/L	0.043793	39.7	28.1065
Cu 327.395	0.140791	ug/L	0.116125	82.5	81.6791
Fe 273.955	0.678519	ug/L	0.612058	90.2	38.0144
K 404.721	-240.497uv	ug/L	438.423	182.3	14.5077
Li 610.365	-0.168676uv	ug/L	0.069185	41.0	14.7227
Mg 279.078	2.00061	ug/L	1.18675	59.3	22.4009
Mn 257.610	0.318244	ug/L	0.012766	4.0	141.073
Mo 202.032	0.527495	ug/L	0.427563	81.1	13.2281
Na 330.237	-57.5346uv	ug/L	17.7192	30.8	7.54028
Ni 216.555	0.171756	ug/L	0.170616	99.3	4.31015
Pb 220.353	0.361443	ug/L	0.215591	59.6	7.44128
Sb 217.582	998.970	ug/L	0.689584	0.1	1947.65
Se 196.026	4.36985	ug/L	0.683610	15.6	4.58312
Si 251.611	0.793083uv	ug/L	1.33414	168.2	56.8547
Si 288.158	1.47177	ug/L	1.47343	100.1	410.078
Sn 283.998	0.443387	ug/L	0.412247	93.0	14.4290
Sr 421.552	0.002981	ug/L	0.001335	44.8	45.6084
Ti 336.122	0.113997	ug/L	0.010131	8.9	50.2419
Tl 190.794	-0.406867uv	ug/L	0.449463	110.5	1.36610
V 292.401	0.019352uv	ug/L	0.082606	426.9	14.8915
Zn 202.548	-0.513111uv	ug/L	0.100141	19.5	32.0019
Zr 339.198	13.0238	ug/L	1.74652	13.4	801.022

CRI RL B Mo (Samp) **9/17/2009, 12:10:43 PM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.25284	ug/L	1.00411	23.6	41.9166
Al 237.312	102.169	ug/L	0.070629	0.1	484.516
As 188.980	9.42613	ug/L	1.54160	16.4	12.7008

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	11.6007	ug/L	0.198365	1.7	358.436
Ba 493.408	11.1055	ug/L	0.003602	0.0	28648.0
Be 313.042	1.00758	ug/L	0.000227	0.0	3736.55
Ca 373.690	407.183	ug/L	0.089273	0.0	2224.36
Cd 214.439	0.985377	ug/L	0.000102	0.0	44.3390
Co 228.615	10.8352	ug/L	0.311651	2.9	117.353
Cr 267.716	5.04045	ug/L	0.010270	0.2	280.667
Cu 327.395	10.9669	ug/L	0.021106	0.2	829.597
Fe 273.955	103.941	ug/L	0.531619	0.5	1748.09
K 404.721	3657.07	ug/L	501.708	13.7	65.3906
Li 610.365	81.8421	ug/L	0.004445	0.0	6455.01
Mg 279.078	416.224	ug/L	0.164455	0.0	1990.71
Mn 257.610	10.5586	ug/L	0.002656	0.0	3300.65
Mo 202.032	9.79813	ug/L	0.200829	2.0	99.0647
Na 330.237	1969.73	ug/L	42.7412	2.2	290.194
Ni 216.555	10.7676	ug/L	0.132713	1.2	95.7270
Pb 220.353	5.22229	ug/L	0.071070	1.4	33.3290
Sb 217.582	10.3917	ug/L	0.021526	0.2	24.0347
Se 196.026	9.92236	ug/L	0.554135	5.6	7.70755
Si 251.611	94.2952	ug/L	0.014059	0.0	570.665
Si 288.158	96.2257	ug/L	0.847350	0.9	1582.92
Sn 283.998	31.2888	ug/L	0.417426	1.3	160.396
Sr 421.552	21.8619	ug/L	0.026251	0.1	54721.8
Ti 336.122	10.3269	ug/L	0.051020	0.5	2624.16
Tl 190.794	11.1486	ug/L	1.42132	12.7	10.7734
V 292.401	10.3216	ug/L	0.231256	2.2	438.637
Zn 202.548	51.4998	ug/L	0.161453	0.3	1290.02
Zr 339.198	10.3780	ug/L	0.330820	3.2	638.638

CCV (CCV) **9/17/2009, 12:40:39 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	996.916	ug/L	1.48780	0.1	8897.98	99.69155
Al 237.312	5006.66	ug/L	3.56523	0.1	22951.2	100.13315
As 188.980	999.694	ug/L	0.370774	0.0	1114.21	99.96938
B 249.678	1024.41	ug/L	7.38185	0.7	30241.9	102.44112
Ba 493.408	1003.51	ug/L	3.05354	0.3	2570766	100.35144
Be 313.042	1000.06	ug/L	0.051488	0.0	3535083	100.00626
Ca 373.690	19980.9	ug/L	20.0241	0.1	105293	99.90450
Cd 214.439	996.933	ug/L	1.55888	0.2	40356.7	99.69334
Co 228.615	998.844	ug/L	0.636543	0.1	9434.29	99.88438
Cr 267.716	998.895	ug/L	0.946506	0.1	49012.3	99.88947
Cu 327.395	1000.28	ug/L	7.86566	0.8	69175.6	100.02785
Fe 273.955	4997.08	ug/L	2.94064	0.1	80887.9	99.94158
K 404.721	20358.2	ug/L	82.9428	0.4	301.247	101.79086
Li 610.365	4989.17	ug/L	7.10870	0.1	391826	99.78334
Mg 279.078	19941.9	ug/L	3.11707	0.0	93362.6	99.70950
Mn 257.610	999.170	ug/L	0.157355	0.0	308327	99.91702
Mo 202.032	1013.58	ug/L	1.95775	0.2	9393.08	101.35817
Na 330.237	20007.9	ug/L	60.8305	0.3	2894.97	100.03942
Ni 216.555	996.082	ug/L	1.41029	0.1	8596.61	99.60815
Pb 220.353	996.920	ug/L	2.07100	0.2	5314.88	99.69203
Sb 217.582	997.771	ug/L	2.31562	0.2	1945.32	99.77708

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Se 196.026	1002.89	ug/L	0.309489	0.0	566.455	100.28899
Si 251.611	990.268	ug/L	5.24400	0.5	5494.19	99.02684
Si 288.158	988.104	ug/L	7.68866	0.8	12622.4	98.81038
Sn 283.998	999.090	ug/L	0.746251	0.1	4740.25	99.90896
Sr 421.552	1002.63	ug/L	1.20641	0.1	2507932	100.26290
Ti 336.122	1004.32	ug/L	0.087396	0.0	253137	100.43203
Tl 190.794	1009.05	ug/L	1.38953	0.1	823.167	100.90530
V 292.401	1001.18	ug/L	1.06748	0.1	41193.8	100.11791
Zn 202.548	995.269	ug/L	1.59207	0.2	24116.7	99.52694
Zr 339.198	1007.72	ug/L	1.64744	0.2	61849.4	100.77190

CCB (CCB) **9/17/2009, 12:43:32 PM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.096538uv	ug/L	0.158159	163.8	4.83600	0.09654
Al 237.312	0.143547	ug/L	0.056736	39.5	9.69373	0.14355
As 188.980	0.322348uv	ug/L	1.15385	358.0	2.57432	0.32235
B 249.678	38.2072	ug/L	4.83165	12.6	1143.47	38.20718
Ba 493.408	0.031110	ug/L	0.009628	30.9	280.271	0.03111
Be 313.042	-0.009313uv	ug/L	0.003509	37.7	142.158	-0.00931
Ca 373.690	0.704613	ug/L	0.592915	84.1	33.7725	0.70461
Cd 214.439	0.042948	ug/L	0.031336	73.0	6.19286	0.04295
Co 228.615	0.115157	ug/L	0.067456	58.6	16.2627	0.11516
Cr 267.716	-0.175922uv	ug/L	0.032467	18.5	24.8931	-0.17592
Cu 327.395	-0.013706uv	ug/L	0.083960	612.6	71.0057	-0.01371
Fe 273.955	1.50765	ug/L	0.338957	22.5	51.7517	1.50765
K 404.721	-414.617uv	ug/L	104.759	25.3	12.2657	-414.61685
Li 610.365	-0.324693uv	ug/L	0.046147	14.2	2.47070	-0.32469
Mg 279.078	1.02655	ug/L	1.03784	101.1	17.7709	1.02655
Mn 257.610	0.042821	ug/L	0.008288	19.4	56.0936	0.04282
Mo 202.032	12.2997	ug/L	2.40463	19.6	122.227	12.29974
Na 330.237	-32.0253uv	ug/L	16.6345	51.9	11.0848	-32.02528
Ni 216.555	0.189426	ug/L	0.184060	97.2	4.46260	0.18943
Pb 220.353	0.490280	ug/L	0.216596	44.2	8.12744	0.49028
Sb 217.582	0.464483	ug/L	0.592756	127.6	4.71796	0.46448
Se 196.026	4.20637	ug/L	2.20492	52.4	4.49113	4.20637
Si 251.611	-1.09604uv	ug/L	0.378949	34.6	46.4737	-1.09604
Si 288.158	-0.670352uv	ug/L	0.155175	23.1	383.563	-0.67035
Sn 283.998	0.989272	ug/L	0.541387	54.7	17.0123	0.98927
Sr 421.552	0.033027	ug/L	0.003713	11.2	120.761	0.03303
Ti 336.122	0.450129	ug/L	0.113848	25.3	134.956	0.45013
Tl 190.794	1.75493	ug/L	0.172566	9.8	3.12602	1.75493
V 292.401	0.224381	ug/L	0.024782	11.0	23.3246	0.22438
Zn 202.548	0.022672uv	ug/L	0.049022	216.2	44.9608	0.02267
Zr 339.198	0.510476	ug/L	0.087867	17.2	33.0317	0.51048

CCV (CCV) **9/17/2009, 3:02:50 PM** **Rack 4, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	962.241	ug/L	0.295376	0.0	8588.63	96.22412
Al 237.312	4817.50	ug/L	5.44313	0.1	22097.7	96.35004

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	955.010	ug/L	1.31197	0.1	1064.50	95.50095
B 249.678	970.280	ug/L	19.5254	2.0	28644.8	97.02799
Ba 493.408	968.936	ug/L	1.32388	0.1	2482190	96.89357
Be 313.042	959.122	ug/L	2.02853	0.2	3390372	95.91222
Ca 373.690	19259.9	ug/L	52.1878	0.3	101581	96.29948
Cd 214.439	961.066	ug/L	0.831834	0.1	38904.9	96.10659
Co 228.615	963.042	ug/L	2.42093	0.3	9096.68	96.30418
Cr 267.716	962.178	ug/L	1.90933	0.2	47212.0	96.21779
Cu 327.395	958.238	ug/L	0.914612	0.1	66271.2	95.82378
Fe 273.955	4811.55	ug/L	11.1680	0.2	77954.8	96.23098
K 404.721	19259.0	ug/L	379.225	2.0	284.838	96.29524
Li 610.365	4807.92	ug/L	6.61808	0.1	377593	96.15833
Mg 279.078	19195.2	ug/L	20.4301	0.1	89919.1	95.97592
Mn 257.610	961.087	ug/L	1.28275	0.1	296577	96.10869
Mo 202.032	969.623	ug/L	2.51885	0.3	8986.07	96.96230
Na 330.237	19285.1	ug/L	48.0888	0.2	2787.48	96.42537
Ni 216.555	963.157	ug/L	1.60273	0.2	8312.55	96.31567
Pb 220.353	958.995	ug/L	0.070305	0.0	5112.90	95.89954
Sb 217.582	958.462	ug/L	3.30666	0.3	1868.83	95.84617
Se 196.026	946.722	ug/L	1.35172	0.1	534.849	94.67220
Si 251.611	966.416	ug/L	8.52395	0.9	5363.12	96.64161
Si 288.158	959.198	ug/L	10.2970	1.1	12264.6	95.91978
Sn 283.998	960.941	ug/L	3.23606	0.3	4559.72	96.09407
Sr 421.552	964.883	ug/L	0.965884	0.1	2413517	96.48827
Ti 336.122	965.067	ug/L	0.339268	0.0	243244	96.50674
Tl 190.794	968.860	ug/L	3.83876	0.4	790.446	96.88596
V 292.401	963.180	ug/L	1.65038	0.2	39630.9	96.31797
Zn 202.548	959.496	ug/L	2.34350	0.2	23251.5	95.94955
Zr 339.198	1029.68	ug/L	6.18520	0.6	63197.6	102.96848

CCB (CCB) **9/17/2009, 3:05:43 PM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.328063	ug/L	0.108603	33.1	6.90155	0.32806
Al 237.312	0.251302	ug/L	0.164033	65.3	10.1954	0.25130
As 188.980	2.05948	ug/L	1.55113	75.3	4.50658	2.05948
B 249.678	31.2206	ug/L	3.62141	11.6	937.332	31.22063
Ba 493.408	0.096271	ug/L	0.002567	2.7	447.183	0.09627
Be 313.042	0.101046	ug/L	0.001478	1.5	532.245	0.10105
Ca 373.690	1.67677	ug/L	0.512262	30.6	39.0140	1.67677
Cd 214.439	0.064656	ug/L	0.017183	26.6	7.07153	0.06466
Co 228.615	0.503835	ug/L	0.010693	2.1	19.9279	0.50384
Cr 267.716	0.133958	ug/L	0.010145	7.6	40.0875	0.13396
Cu 327.395	0.065986	ug/L	0.058234	88.3	76.5112	0.06599
Fe 273.955	8.95043	ug/L	3.12662	34.9	175.061	8.95043
K 404.721	-311.719uv	ug/L	1.17993	0.4	13.5906	-311.71875
Li 610.365	-0.265599uv	ug/L	0.069537	26.2	7.11133	-0.26560
Mg 279.078	3.12802	ug/L	0.484492	15.5	27.7598	3.12802
Mn 257.610	0.168136	ug/L	0.002457	1.5	94.7582	0.16814
Mo 202.032	14.6046	ug/L	3.03561	20.8	143.568	14.60458
Na 330.237	-33.9712uv	ug/L	24.2890	71.5	10.8145	-33.97119
Ni 216.555	0.070569	ug/L	0.086799	123.0	3.43715	0.07057
Pb 220.353	0.135691uv	ug/L	0.404934	298.4	6.23898	0.13569

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sb 217.582	0.123570uv	ug/L	0.797964	645.8	4.05460	0.12357
Se 196.026	6.69972	ug/L	0.219136	3.3	5.89415	6.69972
Si 251.611	6.33880	ug/L	1.45072	22.9	87.3294	6.33880
Si 288.158	5.32730	ug/L	1.62865	30.6	457.801	5.32730
Sn 283.998	1.89769	ug/L	0.488965	25.8	21.3111	1.89769
Sr 421.552	0.100034	ug/L	0.001198	1.2	288.368	0.10003
Ti 336.122	0.681987	ug/L	0.171673	25.2	193.391	0.68199
Tl 190.794	0.936529	ug/L	0.467500	49.9	2.45976	0.93653
V 292.401	0.524256	ug/L	0.025097	4.8	35.6589	0.52426
Zn 202.548	0.063202	ug/L	0.031325	49.6	45.9411	0.06320
Zr 339.198	0.505593	ug/L	0.095897	19.0	32.7321	0.50559

MB 360-49084/1-A (Samp) **9/17/2009, 3:16:19 PM** **Rack 1, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.182814uv	ug/L	0.462528	253.0	5.60571
Al 237.312	2.41356	ug/L	0.516580	21.4	20.2615
As 188.980	-0.982187uv	ug/L	0.307960	31.4	1.12324
B 249.678	8.01332	ug/L	0.059456	0.7	252.589
Ba 493.408	0.745076	ug/L	0.000343	0.0	2109.14
Be 313.042	0.007319	ug/L	0.003493	47.7	200.949
Ca 373.690	139.958	ug/L	0.292711	0.2	784.464
Cd 214.439	0.027527	ug/L	0.026885	97.7	5.56866
Co 228.615	0.278622	ug/L	0.089946	32.3	17.8041
Cr 267.716	1.26900	ug/L	0.055755	4.4	95.7419
Cu 327.395	0.890649	ug/L	0.122613	13.8	133.483
Fe 273.955	45.4563	ug/L	4.26707	9.4	779.756
K 404.721	-520.426uv	ug/L	154.128	29.6	10.9034
Li 610.365	-0.014015uv	ug/L	0.028719	204.9	26.8682
Mg 279.078	36.0664	ug/L	0.194569	0.5	184.321
Mn 257.610	0.720891	ug/L	0.004415	0.6	265.305
Mo 202.032	2.84197	ug/L	1.33799	47.1	34.6578
Na 330.237	190.483	ug/L	78.3660	41.1	42.0123
Ni 216.555	0.498177	ug/L	0.273374	54.9	7.12637
Pb 220.353	0.920594	ug/L	0.009595	1.0	10.4192
Sb 217.582	-0.922841uv	ug/L	0.186832	20.2	2.01845
Se 196.026	1.54298	ug/L	1.38867	90.0	2.99244
Si 251.611	49.9691	ug/L	7.37847	14.8	327.086
Si 288.158	49.5166	ug/L	7.16210	14.5	1004.77
Sn 283.998	10.2185	ug/L	0.697031	6.8	60.6869
Sr 421.552	0.330412	ug/L	0.001276	0.4	864.616
Ti 336.122	0.549306	ug/L	0.071683	13.0	159.951
Tl 190.794	0.557285	ug/L	0.132514	23.8	2.15102
V 292.401	0.423528	ug/L	0.115314	27.2	31.5158
Zn 202.548	3.22735	ug/L	0.012940	0.4	122.471
Zr 339.198	2.60511	ug/L	0.313125	12.0	161.588

LCS 360-49084/2-A (Samp) **9/17/2009, 3:19:13 PM** **Rack 1, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

MET091709emn@720/725/730/735-ES@Quant@. All Data Report 9/18/2009, 7:11:26 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	884.467	ug/L	1.70959	0.2	7894.77
Al 237.312	4404.59	ug/L	6.46927	0.1	20231.1
As 188.980	877.482	ug/L	0.880862	0.1	978.268
B 249.678	879.397	ug/L	8.37398	1.0	25963.2
Ba 493.408	914.663	ug/L	1.91921	0.2	2343168
Be 313.042	894.412	ug/L	2.42015	0.3	3161642
Ca 373.690	18260.8	ug/L	59.1056	0.3	96425.4
Cd 214.439	886.430	ug/L	2.74375	0.3	35883.9
Co 228.615	898.882	ug/L	2.12482	0.2	8491.66
Cr 267.716	908.750	ug/L	3.25246	0.4	44592.3
Cu 327.395	906.526	ug/L	3.73251	0.4	62698.7
Fe 273.955	4556.37	ug/L	20.6532	0.5	73912.0
K 404.721	17606.7	ug/L	261.881	1.5	260.397
Li 610.365	4222.83	ug/L	9.48552	0.2	331646
Mg 279.078	17494.0	ug/L	60.1662	0.3	82058.8
Mn 257.610	905.537	ug/L	2.77780	0.3	279437
Mo 202.032	941.384	ug/L	2.52619	0.3	8724.60
Na 330.237	17259.8	ug/L	49.9422	0.3	2487.72
Ni 216.555	893.887	ug/L	0.298052	0.0	7714.92
Pb 220.353	883.331	ug/L	2.12348	0.2	4709.93
Sb 217.582	828.534	ug/L	4.84181	0.6	1616.01
Se 196.026	875.084	ug/L	6.41100	0.7	494.538
Si 251.611	1061.92	ug/L	20.6172	1.9	5887.93
Si 288.158	1051.41	ug/L	20.5400	2.0	13405.9
Sn 283.998	903.346	ug/L	2.48717	0.3	4287.17
Sr 421.552	910.160	ug/L	1.41378	0.2	2276637
Ti 336.122	922.858	ug/L	6.56935	0.7	232606
Tl 190.794	885.510	ug/L	2.04273	0.2	722.591
V 292.401	910.868	ug/L	3.02877	0.3	37479.2
Zn 202.548	883.811	ug/L	2.93878	0.3	21420.9
Zr 339.198	961.524	ug/L	0.306770	0.0	59014.3

LCSD 360-49084/3-A (Samp) **9/17/2009, 3:22:06 PM** **Rack 1, Tube 55**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	874.176	ug/L	0.570511	0.1	7802.95
Al 237.312	4353.06	ug/L	10.6795	0.2	19997.8
As 188.980	870.826	ug/L	2.57781	0.3	970.864
B 249.678	900.387	ug/L	6.80055	0.8	26582.5
Ba 493.408	906.403	ug/L	3.06722	0.3	2322009
Be 313.042	887.836	ug/L	3.08716	0.3	3138397
Ca 373.690	18086.4	ug/L	96.3543	0.5	95524.4
Cd 214.439	877.496	ug/L	2.84435	0.3	35522.3
Co 228.615	888.909	ug/L	4.08162	0.5	8397.61
Cr 267.716	899.422	ug/L	3.69669	0.4	44134.9
Cu 327.395	900.901	ug/L	3.43157	0.4	62310.1
Fe 273.955	4528.66	ug/L	21.4697	0.5	73472.3
K 404.721	16710.9	ug/L	27.1504	0.2	247.265
Li 610.365	4159.13	ug/L	11.6566	0.3	326644
Mg 279.078	17280.6	ug/L	61.6978	0.4	81071.3
Mn 257.610	896.865	ug/L	3.18902	0.4	276762
Mo 202.032	946.431	ug/L	4.10907	0.4	8771.33
Na 330.237	17039.4	ug/L	28.0868	0.2	2455.20

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ni 216.555	881.397	ug/L	3.75581	0.4	7607.16
Pb 220.353	873.618	ug/L	3.27995	0.4	4658.20
Sb 217.582	858.991	ug/L	2.21692	0.3	1675.27
Se 196.026	867.724	ug/L	0.099480	0.0	490.396
Si 251.611	1082.60	ug/L	24.2668	2.2	6001.56
Si 288.158	1071.52	ug/L	21.6822	2.0	13654.9
Sn 283.998	899.340	ug/L	3.84627	0.4	4268.21
Sr 421.552	901.707	ug/L	2.56179	0.3	2255495
Ti 336.122	920.570	ug/L	1.86539	0.2	232030
Tl 190.794	875.699	ug/L	7.28285	0.8	714.604
V 292.401	901.919	ug/L	3.70549	0.4	37111.1
Zn 202.548	873.886	ug/L	3.92525	0.4	21180.9
Zr 339.198	952.969	ug/L	0.140826	0.0	58489.2

360-24417-A-2-D (Samp) **9/17/2009, 3:25:00 PM** **Rack 1, Tube 56**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.393035	ug/L	0.352174	89.6	7.48120
Al 237.312	147145	ug/L	322.518	0.2	586734
As 188.980	53.6112	ug/L	0.162650	0.3	61.8492
B 249.678	36.4415	ug/L	3.55362	9.8	1091.38
Ba 493.408	559.701	ug/L	0.332578	0.1	1433911
Be 313.042	4.28510	ug/L	0.015181	0.4	15321.5
Ca 373.690	52013.6	ug/L	146.642	0.3	263747
Cd 214.439	4.30152	ug/L	0.004568	0.1	178.564
Co 228.615	179.522	ug/L	0.186466	0.1	1708.07
Cr 267.716	284.736	ug/L	0.908246	0.3	13995.0
Cu 327.395	288.376	ug/L	0.085669	0.0	19994.2
Fe 273.955	297780	ug/L	393.858	0.1	3829573
K 404.721	31119.8	ug/L	108.907	0.3	468.581
Li 610.365	212.745	ug/L	0.351590	0.2	16734.8
Mg 279.078	118371	ug/L	509.807	0.4	513143
Mn 257.610	5920.80	ug/L	24.6531	0.4	1826848
Mo 202.032	8.78391	ug/L	1.61467	18.4	89.6740
Na 330.237	1286.08	ug/L	25.7671	2.0	194.647
Ni 216.555	279.332	ug/L	2.17859	0.8	2412.79
Pb 220.353	45.4370	ug/L	1.18307	2.6	247.503
Sb 217.582	2.58891	ug/L	1.11693	43.1	8.85175
Se 196.026	5.65750	ug/L	1.29961	23.0	5.30769
Si 251.611	2068.55	ug/L	6.41851	0.3	11419.5
Si 288.158	2090.83	ug/L	7.35350	0.4	26271.7
Sn 283.998	90.3984	ug/L	0.022653	0.0	440.116
Sr 421.552	157.090	ug/L	0.117380	0.1	392971
Ti 336.122	7847.64	ug/L	18.4966	0.2	1977837
Tl 190.794	3.58970	ug/L	0.208900	5.8	4.61971
V 292.401	364.588	ug/L	0.801947	0.2	15010.0
Zn 202.548	481.254	ug/L	0.915885	0.2	11684.4
Zr 339.198	34.5226	ug/L	0.264043	0.8	2120.49

360-24417-A-2-E DU (Samp) **9/17/2009, 3:27:53 PM** **Rack 1, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.277061	ug/L	0.115985	41.9	6.44653
Al 237.312	155929	ug/L	35.2780	0.0	621211
As 188.980	66.0707	ug/L	0.990307	1.5	75.7084
B 249.678	23.8428	ug/L	1.42859	6.0	719.646
Ba 493.408	700.349	ug/L	0.203103	0.0	1794188
Be 313.042	4.95025	ug/L	0.015685	0.3	17672.7
Ca 373.690	77920.4	ug/L	168.087	0.2	382619
Cd 214.439	4.76997	ug/L	0.003625	0.1	197.526
Co 228.615	197.454	ug/L	0.314322	0.2	1877.17
Cr 267.716	318.522	ug/L	0.709459	0.2	15651.6
Cu 327.395	380.646	ug/L	0.864786	0.2	26368.7
Fe 273.955	320781	ug/L	279.219	0.1	4121639
K 404.721	42504.0	ug/L	163.480	0.4	658.692
Li 610.365	204.789	ug/L	0.395751	0.2	16110.0
Mg 279.078	112704	ug/L	921.051	0.8	490310
Mn 257.610	6056.80	ug/L	9.99134	0.2	1868811
Mo 202.032	3.28360	ug/L	0.520652	15.9	38.7468
Na 330.237	1880.95	ug/L	10.0655	0.5	277.772
Ni 216.555	282.437	ug/L	1.56745	0.6	2439.58
Pb 220.353	50.1249	ug/L	0.075268	0.2	272.470
Sb 217.582	2.40732	ug/L	1.50734	62.6	8.49841
Se 196.026	0.953918uv	ug/L	4.72787	495.6	2.66096
Si 251.611	2250.05	ug/L	14.0793	0.6	12416.9
Si 288.158	2298.78	ug/L	0.895450	0.0	28845.7
Sn 283.998	100.227	ug/L	0.759156	0.8	486.627
Sr 421.552	168.247	ug/L	0.311949	0.2	420877
Ti 336.122	9363.04	ug/L	34.0357	0.4	2359757
Tl 190.794	2.76950	ug/L	3.20618	115.8	3.95198
V 292.401	444.704	ug/L	0.583436	0.1	18305.3
Zn 202.548	504.248	ug/L	9.19625	1.8	12240.5
Zr 339.198	38.2859	ug/L	0.565483	1.5	2351.46

360-24417-A-2-F MS (Samp) **9/17/2009, 3:30:46 PM** **Rack 1, Tube 58**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	840.416	ug/L	4.58661	0.5	7501.76
Al 237.312	162258	ug/L	215.745	0.1	646058
As 188.980	913.579	ug/L	3.98287	0.4	1018.42
B 249.678	851.139	ug/L	9.66139	1.1	25129.4
Ba 493.408	1509.70	ug/L	9.48612	0.6	3867399
Be 313.042	848.913	ug/L	1.53605	0.2	3000818
Ca 373.690	84574.2	ug/L	262.596	0.3	411810
Cd 214.439	820.767	ug/L	2.24998	0.3	33226.2
Co 228.615	1007.13	ug/L	2.74733	0.3	9512.48
Cr 267.716	1164.46	ug/L	2.68005	0.2	57130.5
Cu 327.395	1269.25	ug/L	10.2642	0.8	87757.2
Fe 273.955	315535	ug/L	20.8155	0.0	4055023
K 404.721	60109.7	ug/L	268.540	0.4	979.211
Li 610.365	4534.01	ug/L	15.5709	0.3	356083
Mg 279.078	131364	ug/L	743.390	0.6	565493

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	5787.06	ug/L	11.5958	0.2	1785584
Mo 202.032	858.314	ug/L	3.20369	0.4	7955.46
Na 330.237	19020.3	ug/L	76.1645	0.4	2748.17
Ni 216.555	1088.33	ug/L	4.69442	0.4	9392.45
Pb 220.353	855.837	ug/L	3.38280	0.4	4563.50
Sb 217.582	383.168	ug/L	3.27374	0.9	749.398
Se 196.026	807.981	ug/L	5.08721	0.6	456.779
Si 251.611	3004.11	ug/L	28.7124	1.0	16560.6
Si 288.158	3026.24	ug/L	39.7760	1.3	37850.1
Sn 283.998	872.190	ug/L	2.24695	0.3	4139.73
Sr 421.552	1011.24	ug/L	1.51339	0.1	2529483
Ti 336.122	11040.1	ug/L	31.7922	0.3	2782428
Tl 190.794	767.833	ug/L	0.870289	0.1	626.791
V 292.401	1303.54	ug/L	3.70730	0.3	53630.5
Zn 202.548	1274.05	ug/L	4.41959	0.3	30859.6
Zr 339.198	832.629	ug/L	2.88790	0.3	51103.5

360-24417-A-2-Dsd@5 (Samp) **9/17/2009, 3:33:39 PM** **Rack 1, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.208633uv	ug/L	0.068867	33.0	2.11340
Al 237.312	30662.2	ug/L	34.9880	0.1	129495
As 188.980	12.4536	ug/L	0.263481	2.1	16.0683
B 249.678	27.7101	ug/L	2.07274	7.5	833.751
Ba 493.408	126.292	ug/L	0.155025	0.1	323705
Be 313.042	0.932501	ug/L	0.001912	0.2	3471.18
Ca 373.690	10470.0	ug/L	7.38457	0.1	55803.5
Cd 214.439	0.891066	ug/L	0.044560	5.0	40.5216
Co 228.615	40.4823	ug/L	0.079112	0.2	396.926
Cr 267.716	62.4960	ug/L	0.062731	0.1	3097.89
Cu 327.395	60.6247	ug/L	0.311579	0.5	4260.17
Fe 273.955	66194.0	ug/L	32.1623	0.0	888931
K 404.721	5632.50	ug/L	14.2364	0.3	91.7712
Li 610.365	37.4854	ug/L	0.086403	0.2	2971.69
Mg 279.078	24550.0	ug/L	17.1418	0.1	114524
Mn 257.610	1370.92	ug/L	1.48586	0.1	423027
Mo 202.032	5.42850	ug/L	1.00573	18.5	58.6064
Na 330.237	97.3538	ug/L	8.65282	8.9	29.0646
Ni 216.555	62.5602	ug/L	0.192351	0.3	542.572
Pb 220.353	9.00775	ug/L	0.557324	6.2	53.4894
Sb 217.582	2.84441	ug/L	0.067626	2.4	9.34891
Se 196.026	-0.023293uv	ug/L	0.033479	143.7	2.11108
Si 251.611	449.413	ug/L	4.05669	0.9	2522.10
Si 288.158	450.948	ug/L	8.29029	1.8	5973.60
Sn 283.998	17.8561	ug/L	1.18211	6.6	96.8301
Sr 421.552	35.0886	ug/L	0.032202	0.1	87806.0
Ti 336.122	1710.48	ug/L	2.21152	0.1	431108
Tl 190.794	3.05832	ug/L	1.41259	46.2	4.18711
V 292.401	79.4486	ug/L	0.179873	0.2	3281.91
Zn 202.548	109.943	ug/L	0.438899	0.4	2703.57
Zr 339.198	12.2016	ug/L	0.589315	4.8	750.561

360-24417-A-2-Dpds (Samp) **9/17/2009, 3:36:32 PM** **Rack 1, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	869.789	ug/L	3.89418	0.4	7763.81
Al 237.312	147162	ug/L	596.942	0.4	586797
As 188.980	930.151	ug/L	4.93132	0.5	1036.85
B 249.678	893.334	ug/L	12.8919	1.4	26374.4
Ba 493.408	1412.55	ug/L	5.69199	0.4	3618528
Be 313.042	864.808	ug/L	3.09424	0.4	3057000
Ca 373.690	69589.1	ug/L	406.951	0.6	345296
Cd 214.439	842.991	ug/L	3.41344	0.4	34125.7
Co 228.615	1018.32	ug/L	4.91078	0.5	9617.97
Cr 267.716	1145.28	ug/L	5.35216	0.5	56190.0
Cu 327.395	1180.27	ug/L	0.810687	0.1	81610.4
Fe 273.955	290807	ug/L	1724.83	0.6	3741030
K 404.721	48538.4	ug/L	91.0870	0.2	764.923
Li 610.365	4659.42	ug/L	19.2300	0.4	365931
Mg 279.078	133176	ug/L	244.438	0.2	572793
Mn 257.610	6479.78	ug/L	26.4910	0.4	1999315
Mo 202.032	905.009	ug/L	5.04772	0.6	8387.81
Na 330.237	18575.8	ug/L	38.4558	0.2	2682.26
Ni 216.555	1105.72	ug/L	7.38664	0.7	9542.50
Pb 220.353	869.587	ug/L	1.91468	0.2	4636.73
Sb 217.582	855.063	ug/L	6.37207	0.7	1667.63
Se 196.026	842.152	ug/L	10.1665	1.2	476.007
Si 251.611	2855.22	ug/L	8.37600	0.3	15742.4
Si 288.158	2861.19	ug/L	3.42384	0.1	35807.1
Sn 283.998	907.606	ug/L	2.06405	0.2	4307.33
Sr 421.552	1017.87	ug/L	5.02700	0.5	2546046
Ti 336.122	8398.89	ug/L	35.5121	0.4	2116767
Tl 190.794	796.398	ug/L	3.00697	0.4	650.045
V 292.401	1227.55	ug/L	5.26549	0.4	50504.8
Zn 202.548	1283.21	ug/L	8.49547	0.7	31081.2
Zr 339.198	921.564	ug/L	1.09329	0.1	56561.8

CCV (CCV) **9/17/2009, 3:39:26 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	968.618	ug/L	0.033793	0.0	8645.53	96.86183
Al 237.312	4847.13	ug/L	7.92698	0.2	22231.5	96.94262
As 188.980	961.751	ug/L	0.412076	0.0	1072.00	96.17506
B 249.678	986.477	ug/L	6.00285	0.6	29122.7	98.64773
Ba 493.408	974.994	ug/L	2.63465	0.3	2497709	97.49939
Be 313.042	967.608	ug/L	0.139531	0.0	3420366	96.76079
Ca 373.690	19435.5	ug/L	4.19983	0.0	102485	97.17742
Cd 214.439	972.714	ug/L	0.613237	0.1	39376.4	97.27141
Co 228.615	972.025	ug/L	0.645779	0.1	9181.39	97.20245
Cr 267.716	971.107	ug/L	0.920309	0.1	47649.8	97.11067
Cu 327.395	965.307	ug/L	0.270603	0.0	66759.6	96.53072
Fe 273.955	4862.92	ug/L	4.57272	0.1	78767.6	97.25848
K 404.721	19623.3	ug/L	6.11123	0.0	290.259	98.11631
Li 610.365	4848.00	ug/L	5.51081	0.1	380740	96.95996
Mg 279.078	19393.6	ug/L	3.64878	0.0	90834.5	96.96797

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	970.010	ug/L	0.526057	0.1	299330	97.00101
Mo 202.032	980.256	ug/L	0.228049	0.0	9084.52	98.02559
Na 330.237	19491.3	ug/L	5.90407	0.0	2818.13	97.45654
Ni 216.555	976.127	ug/L	2.73710	0.3	8424.46	97.61272
Pb 220.353	969.126	ug/L	0.803264	0.1	5166.85	96.91255
Sb 217.582	964.336	ug/L	1.92620	0.2	1880.26	96.43359
Se 196.026	956.703	ug/L	1.54831	0.2	540.465	95.67027
Si 251.611	963.690	ug/L	6.56801	0.7	5348.14	96.36903
Si 288.158	953.586	ug/L	6.03440	0.6	12195.2	95.35857
Sn 283.998	966.742	ug/L	0.345138	0.0	4587.17	96.67419
Sr 421.552	970.543	ug/L	2.06280	0.2	2427675	97.05432
Ti 336.122	976.035	ug/L	2.12706	0.2	246008	97.60354
Tl 190.794	978.555	ug/L	2.28545	0.2	798.339	97.85549
V 292.401	971.015	ug/L	1.05863	0.1	39953.1	97.10148
Zn 202.548	971.962	ug/L	0.953066	0.1	23553.0	97.19623
Zr 339.198	1006.50	ug/L	6.55917	0.7	61774.4	100.64956

CCB (CCB) **9/17/2009, 3:42:19 PM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.003749uv	ug/L	0.360514	9616.2	4.00818	0.00375
Al 237.312	0.100859uv	ug/L	0.510398	506.0	9.49500	0.10086
As 188.980	1.45410	ug/L	0.007037	0.5	3.83320	1.45410
B 249.678	39.3534	ug/L	4.60366	11.7	1177.29	39.35339
Ba 493.408	0.099229	ug/L	0.006254	6.3	454.761	0.09923
Be 313.042	0.105196	ug/L	0.004247	4.0	546.912	0.10520
Ca 373.690	2.80739	ug/L	0.019435	0.7	45.1100	2.80739
Cd 214.439	0.039028uv	ug/L	0.070419	180.4	6.03418	0.03903
Co 228.615	0.352607	ug/L	0.000281	0.1	18.5018	0.35261
Cr 267.716	-0.096071uv	ug/L	0.000944	1.0	28.8085	-0.09607
Cu 327.395	0.203380	ug/L	0.029804	14.7	86.0031	0.20338
Fe 273.955	5.13356	ug/L	1.37803	26.8	111.826	5.13356
K 404.721	-242.687uv	ug/L	219.131	90.3	14.4794	-242.68706
Li 610.365	-0.254506uv	ug/L	0.006366	2.5	7.98242	-0.25451
Mg 279.078	2.43847	ug/L	0.034957	1.4	24.4821	2.43847
Mn 257.610	0.165060	ug/L	0.010341	6.3	93.8094	0.16506
Mo 202.032	12.4446	ug/L	2.38739	19.2	123.568	12.44459
Na 330.237	39.9901uv	ug/L	58.6505	146.7	21.0923	39.99010
Ni 216.555	0.385570	ug/L	0.004697	1.2	6.15485	0.38557
Pb 220.353	0.564211	ug/L	0.715330	126.8	8.52118	0.56421
Sb 217.582	1.41564	ug/L	0.243291	17.2	6.56876	1.41564
Se 196.026	6.00341	ug/L	1.66933	27.8	5.50234	6.00341
Si 251.611	0.352399uv	ug/L	0.848093	240.7	54.4331	0.35240
Si 288.158	-0.678340uv	ug/L	0.928147	136.8	383.465	-0.67834
Sn 283.998	0.439788uv	ug/L	0.684007	155.5	14.4120	0.43979
Sr 421.552	0.102872	ug/L	0.003758	3.7	295.466	0.10287
Ti 336.122	0.897313	ug/L	0.280198	31.2	247.659	0.89731
Tl 190.794	3.02757	ug/L	2.04876	67.7	4.16208	3.02757
V 292.401	0.438220	ug/L	0.160448	36.6	32.1201	0.43822
Zn 202.548	0.120699	ug/L	0.073311	60.7	47.3317	0.12070
Zr 339.198	0.421062	ug/L	0.002236	0.5	27.5441	0.42106

360-24417-A-5-C (Samp) **9/17/2009, 3:45:13 PM** **Rack 2, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	5.60627	ug/L	0.154647	2.8	53.9912
Al 237.312	141889	ug/L	699.284	0.5	566101
As 188.980	46.9894	ug/L	3.16601	6.7	54.4836
B 249.678	28.7817	ug/L	0.448471	1.6	865.369
Ba 493.408	912.982	ug/L	1.90574	0.2	2338861
Be 313.042	3.27432	ug/L	0.013836	0.4	11748.8
Ca 373.690	54422.0	ug/L	285.539	0.5	275148
Cd 214.439	3.24752	ug/L	0.020242	0.6	135.903
Co 228.615	160.302	ug/L	1.01174	0.6	1526.83
Cr 267.716	780.413	ug/L	3.68728	0.5	38299.5
Cu 327.395	746.656	ug/L	7.75508	1.0	51654.2
Fe 273.955	218433	ug/L	1072.57	0.5	2822035
K 404.721	55282.7	ug/L	419.513	0.8	888.132
Li 610.365	150.803	ug/L	0.473642	0.3	11870.5
Mg 279.078	105819	ug/L	567.796	0.5	462573
Mn 257.610	3395.83	ug/L	17.4671	0.5	1047795
Mo 202.032	27.4162	ug/L	1.96233	7.2	262.190
Na 330.237	6731.20	ug/L	19.8560	0.3	962.083
Ni 216.555	345.109	ug/L	0.642930	0.2	2980.29
Pb 220.353	109.194	ug/L	1.12116	1.0	587.057
Sb 217.582	0.444471uv	ug/L	1.15402	259.6	4.67902
Se 196.026	0.998607uv	ug/L	2.25427	225.7	2.68611
Si 251.611	4338.53	ug/L	1.86651	0.0	23893.4
Si 288.158	4383.60	ug/L	25.5370	0.6	54651.2
Sn 283.998	281.161	ug/L	0.475627	0.2	1342.85
Sr 421.552	249.040	ug/L	1.00323	0.4	622966
Ti 336.122	11773.0	ug/L	42.6094	0.4	2967134
Tl 190.794	1.93844	ug/L	0.559665	28.9	3.27542
V 292.401	349.795	ug/L	1.42541	0.4	14401.6
Zn 202.548	409.871	ug/L	7.82230	1.9	9957.86
Zr 339.198	47.6071	ug/L	1.36119	2.9	2923.54

360-24417-A-8-E (Samp) **9/17/2009, 3:48:07 PM** **Rack 2, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.417472	ug/L	0.287157	68.8	7.69922
Al 237.312	83701.6	ug/L	35.6592	0.0	337694
As 188.980	116.810	ug/L	1.48667	1.3	132.147
B 249.678	20.4341	ug/L	0.222813	1.1	619.069
Ba 493.408	235.732	ug/L	0.054164	0.0	604044
Be 313.042	2.95152	ug/L	0.003788	0.1	10607.8
Ca 373.690	14918.2	ug/L	27.4177	0.2	79088.6
Cd 214.439	1.59132	ug/L	0.011233	0.7	68.8654
Co 228.615	44.9106	ug/L	0.440507	1.0	438.684
Cr 267.716	163.809	ug/L	0.279245	0.2	8065.59
Cu 327.395	109.595	ug/L	0.971166	0.9	7643.28
Fe 273.955	136865	ug/L	209.635	0.2	1786301
K 404.721	15479.2	ug/L	2.19314	0.0	229.347
Li 610.365	170.332	ug/L	0.314463	0.2	13404.1
Mg 279.078	29872.7	ug/L	39.0718	0.1	138775

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1089.24	ug/L	2.50258	0.2	336116
Mo 202.032	5.62908	ug/L	0.867343	15.4	60.4636
Na 330.237	831.783	ug/L	20.2977	2.4	131.284
Ni 216.555	115.063	ug/L	0.772875	0.7	995.541
Pb 220.353	50.5934	ug/L	1.30554	2.6	274.964
Sb 217.582	-0.501700uv	ug/L	0.259260	51.7	2.83792
Se 196.026	-0.461801uv	ug/L	0.837582	181.4	1.86433
Si 251.611	3601.91	ug/L	47.1528	1.3	19845.6
Si 288.158	3633.59	ug/L	56.3484	1.6	45367.7
Sn 283.998	51.5291	ug/L	0.272836	0.5	256.178
Sr 421.552	39.3925	ug/L	0.007944	0.0	98571.3
Ti 336.122	3678.43	ug/L	34.2153	0.9	927084
Tl 190.794	0.245198uv	ug/L	0.528691	215.6	1.89695
V 292.401	165.143	ug/L	0.455763	0.3	6806.65
Zn 202.548	188.938	ug/L	0.335351	0.2	4614.20
Zr 339.198	38.2901	ug/L	1.69133	4.4	2351.72

360-24417-A-12-E (Samp) **9/17/2009, 3:51:01 PM** **Rack 2, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.796291	ug/L	0.079452	10.0	11.0789
Al 237.312	82163.7	ug/L	112.491	0.1	331657
As 188.980	53.8017	ug/L	2.44188	4.5	62.0612
B 249.678	14.4331	ug/L	0.623400	4.3	442.007
Ba 493.408	583.094	ug/L	1.08220	0.2	1493832
Be 313.042	2.13984	ug/L	0.000696	0.0	7738.73
Ca 373.690	45436.3	ug/L	120.766	0.3	232247
Cd 214.439	2.06787	ug/L	0.022778	1.1	88.1543
Co 228.615	99.8111	ug/L	0.640573	0.6	956.398
Cr 267.716	327.174	ug/L	0.827303	0.3	16075.8
Cu 327.395	191.086	ug/L	0.522184	0.3	13273.0
Fe 273.955	168754	ug/L	728.629	0.4	2191216
K 404.721	28332.2	ug/L	195.851	0.7	424.083
Li 610.365	85.0260	ug/L	0.000566	0.0	6705.04
Mg 279.078	53617.5	ug/L	90.2390	0.2	244462
Mn 257.610	1475.98	ug/L	2.32296	0.2	455442
Mo 202.032	4.43173	ug/L	0.559072	12.6	49.3773
Na 330.237	2695.17	ug/L	17.5157	0.6	391.833
Ni 216.555	209.615	ug/L	0.324033	0.2	1811.30
Pb 220.353	22.1468	ug/L	1.01625	4.6	123.465
Sb 217.582	-1.38576uv	ug/L	0.243579	17.6	1.11768
Se 196.026	-0.308048uv	ug/L	1.98176	643.3	1.95085
Si 251.611	2098.64	ug/L	28.4481	1.4	11584.9
Si 288.158	2121.46	ug/L	27.0600	1.3	26650.8
Sn 283.998	110.074	ug/L	0.570915	0.5	533.226
Sr 421.552	84.9925	ug/L	0.111440	0.1	212631
Ti 336.122	6551.19	ug/L	12.0633	0.2	1651096
Tl 190.794	0.711902	ug/L	0.201942	28.4	2.27689
V 292.401	254.118	ug/L	0.522756	0.2	10466.3
Zn 202.548	262.162	ug/L	2.89234	1.1	6385.26
Zr 339.198	31.1798	ug/L	1.74356	5.6	1915.33

360-24417-A-16-C (Samp) **9/17/2009, 3:53:55 PM** **Rack 2, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.009509uv	ug/L	0.104027	1093.9	3.88989
Al 237.312	129252	ug/L	825.531	0.6	516497
As 188.980	59.6844	ug/L	2.15182	3.6	68.6047
B 249.678	14.1236	ug/L	0.191376	1.4	432.875
Ba 493.408	717.351	ug/L	2.12456	0.3	1837741
Be 313.042	3.29224	ug/L	0.003149	0.1	11812.1
Ca 373.690	54295.2	ug/L	170.938	0.3	274549
Cd 214.439	3.30407	ug/L	0.197333	6.0	138.191
Co 228.615	158.674	ug/L	0.395805	0.2	1511.47
Cr 267.716	353.592	ug/L	1.04404	0.3	17371.2
Cu 327.395	261.977	ug/L	1.08843	0.4	18170.5
Fe 273.955	266651	ug/L	342.571	0.1	3434297
K 404.721	41758.1	ug/L	374.946	0.9	645.826
Li 610.365	135.115	ug/L	0.229398	0.2	10638.5
Mg 279.078	86400.6	ug/L	234.445	0.3	383666
Mn 257.610	2477.74	ug/L	6.63327	0.3	764525
Mo 202.032	9.88959	ug/L	0.843424	8.5	99.9115
Na 330.237	2801.43	ug/L	17.8120	0.6	406.744
Ni 216.555	253.906	ug/L	1.83435	0.7	2193.43
Pb 220.353	21.0931	ug/L	1.40458	6.7	117.853
Sb 217.582	-0.477532uv	ug/L	0.362463	75.9	2.88495
Se 196.026	1.58989uv	ug/L	2.33761	147.0	3.01883
Si 251.611	2832.36	ug/L	7.81667	0.3	15616.8
Si 288.158	2852.35	ug/L	11.8430	0.4	35697.7
Sn 283.998	114.696	ug/L	0.674555	0.6	555.100
Sr 421.552	146.771	ug/L	0.415442	0.3	367160
Ti 336.122	10734.4	ug/L	26.4109	0.2	2705381
Tl 190.794	-0.585095uv	ug/L	0.449343	76.8	1.22101
V 292.401	422.044	ug/L	1.24883	0.3	17373.3
Zn 202.548	380.910	ug/L	6.64628	1.7	9257.39
Zr 339.198	36.2538	ug/L	1.28098	3.5	2226.74

360-24631-A-1-A (Samp) **9/17/2009, 3:56:49 PM** **Rack 2, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.722911	ug/L	0.363533	50.3	10.4242
Al 237.312	162161	ug/L	340.803	0.2	645677
As 188.980	26.8869	ug/L	3.92149	14.6	32.1229
B 249.678	25.8711	ug/L	0.226231	0.9	779.492
Ba 493.408	699.943	ug/L	1.00667	0.1	1793149
Be 313.042	3.94197	ug/L	0.009639	0.2	14108.7
Ca 373.690	24281.0	ug/L	46.0503	0.2	127301
Cd 214.439	2.89013	ug/L	0.026523	0.9	121.437
Co 228.615	67.1628	ug/L	0.206723	0.3	648.523
Cr 267.716	245.950	ug/L	0.479748	0.2	12093.2
Cu 327.395	203.507	ug/L	0.539685	0.3	14131.1
Fe 273.955	166629	ug/L	146.161	0.1	2164243
K 404.721	18124.3	ug/L	179.908	1.0	268.021
Li 610.365	68.2479	ug/L	0.228944	0.3	5387.46
Mg 279.078	35176.0	ug/L	73.0834	0.2	162734

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1922.75	ug/L	2.56205	0.1	593289
Mo 202.032	5.77541	ug/L	0.522572	9.0	61.8184
Na 330.237	414.264	ug/L	38.1562	9.2	73.1400
Ni 216.555	150.177	ug/L	0.400057	0.3	1298.50
Pb 220.353	133.798	ug/L	0.395903	0.3	718.094
Sb 217.582	0.750440uv	ug/L	1.47467	196.5	5.27438
Se 196.026	2.28606	ug/L	1.30521	57.1	3.41057
Si 251.611	3068.17	ug/L	39.5137	1.3	16912.6
Si 288.158	3088.13	ug/L	43.5320	1.4	38616.1
Sn 283.998	80.9215	ug/L	0.092737	0.1	395.270
Sr 421.552	135.035	ug/L	0.154216	0.1	337804
Ti 336.122	7031.71	ug/L	8.96969	0.1	1772200
Tl 190.794	-0.725837uv	ug/L	0.135529	18.7	1.10643
V 292.401	321.148	ug/L	0.691807	0.2	13223.3
Zn 202.548	399.041	ug/L	1.51678	0.4	9695.92
Zr 339.198	87.5767	ug/L	13.6191	15.6	5376.63

360-24613-A-1-A (Samp) **9/17/2009, 3:59:43 PM** **Rack 2, Tube 6**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.48364	ug/L	0.006792	0.5	17.2111
Al 237.312	47914.8	ug/L	85.1373	0.2	197218
As 188.980	49.7912	ug/L	1.36598	2.7	57.6002
B 249.678	13.7636	ug/L	0.197971	1.4	422.254
Ba 493.408	258.515	ug/L	0.385836	0.1	662403
Be 313.042	2.55371	ug/L	0.003314	0.1	9201.64
Ca 373.690	17426.1	ug/L	12.4973	0.1	92109.2
Cd 214.439	2.86586	ug/L	0.017911	0.6	120.454
Co 228.615	32.7063	ug/L	0.477539	1.5	323.598
Cr 267.716	163.944	ug/L	0.008459	0.0	8072.18
Cu 327.395	144.761	ug/L	0.920428	0.6	10072.7
Fe 273.955	89981.6	ug/L	40.5316	0.0	1190982
K 404.721	12096.7	ug/L	491.251	4.1	180.959
Li 610.365	76.0407	ug/L	0.279202	0.4	5999.43
Mg 279.078	19364.3	ug/L	11.1963	0.1	90699.6
Mn 257.610	1185.98	ug/L	0.500464	0.0	365965
Mo 202.032	9.06727	ug/L	0.006414	0.1	92.2977
Na 330.237	17.6874	ug/L	1.04231	5.9	17.9926
Ni 216.555	109.601	ug/L	0.720513	0.7	948.418
Pb 220.353	149.493	ug/L	0.291136	0.2	801.680
Sb 217.582	0.272987uv	ug/L	1.00248	367.2	4.34534
Se 196.026	0.750704uv	ug/L	4.42694	589.7	2.54662
Si 251.611	2053.19	ug/L	13.4364	0.7	11335.1
Si 288.158	2074.08	ug/L	27.6839	1.3	26064.5
Sn 283.998	55.2136	ug/L	1.04794	1.9	273.614
Sr 421.552	79.8224	ug/L	0.052982	0.1	199699
Ti 336.122	2437.68	ug/L	0.304871	0.0	614382
Tl 190.794	-0.188809uv	ug/L	1.12935	598.1	1.54362
V 292.401	127.808	ug/L	0.015898	0.0	5271.01
Zn 202.548	1072.79	ug/L	16.1771	1.5	25991.8
Zr 339.198	38.7102	ug/L	4.48923	11.6	2377.50

360-24173-A-2-C (Samp) **9/17/2009, 4:02:37 PM** **Rack 2, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	22.8712	ug/L	5.05451	22.1	208.020
Al 237.312	-x	ug/L	876.569	0.4	803904
As 188.980	36.2873	ug/L	0.694186	1.9	42.5793
B 249.678	11.7104	ug/L	0.105820	0.9	361.673
Ba 493.408	1250.75	ug/L	6.66944	0.5	3204073
Be 313.042	3.57714	ug/L	0.018800	0.5	12819.1
Ca 373.690	48749.8	ug/L	215.096	0.4	248183
Cd 214.439	3.96132	ug/L	0.093705	2.4	164.794
Co 228.615	197.331	ug/L	1.16524	0.6	1876.01
Cr 267.716	491.218	ug/L	2.72782	0.6	24119.4
Cu 327.395	447.270	ug/L	6.08958	1.4	30971.3
Fe 273.955	330610	ug/L	797.418	0.2	4246444
K 404.721	70338.0	ug/L	510.791	0.7	1180.21
Li 610.365	143.937	ug/L	0.139337	0.1	11331.3
Mg 279.078	141538	ug/L	836.662	0.6	606485
Mn 257.610	2244.84	ug/L	12.0567	0.5	692665
Mo 202.032	12.7533	ug/L	0.225898	1.8	126.427
Na 330.237	3270.09	ug/L	69.1228	2.1	472.572
Ni 216.555	354.522	ug/L	2.10293	0.6	3061.50
Pb 220.353	14.8503	ug/L	0.577113	3.9	84.6052
Sb 217.582	0.261946uv	ug/L	0.822251	313.9	4.32385
Se 196.026	-0.690911uv	ug/L	1.15960	167.8	1.73541
Si 251.611	2627.19	ug/L	1.30925	0.0	14489.3
Si 288.158	2676.59	ug/L	10.5184	0.4	33522.2
Sn 283.998	163.750	ug/L	0.351600	0.2	787.232
Sr 421.552	106.369	ug/L	0.480682	0.5	266100
Ti 336.122	14966.6	ug/L	157.193	1.1	3772007
Tl 190.794	0.093837uv	ug/L	2.05886	2194.1	1.77373
V 292.401	482.495	ug/L	2.65601	0.6	19859.7
Zn 202.548	302.996	ug/L	1.18793	0.4	7372.90
Zr 339.198	18.4378	ug/L	0.674462	3.7	1133.30

360-24173-A-5-D (Samp) **9/17/2009, 4:05:30 PM** **Rack 2, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	28.8775	ug/L	1.36502	4.7	261.606
Al 237.312	-x	ug/L	32.2839	0.0	1043520
As 188.980	29.8383	ug/L	3.10535	10.4	35.4058
B 249.678	14.4932	ug/L	0.539476	3.7	443.780
Ba 493.408	456.619	ug/L	0.863470	0.2	1169860
Be 313.042	6.65194	ug/L	0.010520	0.2	23687.6
Ca 373.690	83515.3	ug/L	79.5606	0.1	407201
Cd 214.439	7.04173	ug/L	0.074321	1.1	289.478
Co 228.615	287.282	ug/L	0.576100	0.2	2724.25
Cr 267.716	526.795	ug/L	1.32229	0.3	25863.9
Cu 327.395	548.231	ug/L	0.755617	0.1	37946.1
Fe 273.955	443840	ug/L	1552.47	0.3	5684212
K 404.721	18320.1	ug/L	152.910	0.8	270.912
Li 610.365	226.996	ug/L	0.985878	0.4	17853.9
Mg 279.078	-x	ug/L	161.983	0.1	896949

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	5893.18	ug/L	10.3076	0.2	1818325
Mo 202.032	3.30300	ug/L	0.045503	1.4	38.9264
Na 330.237	3997.66	ug/L	0.899075	0.0	574.979
Ni 216.555	504.770	ug/L	0.212253	0.0	4357.78
Pb 220.353	19.8799	ug/L	0.564147	2.8	111.392
Sb 217.582	0.442306	ug/L	0.439604	99.4	4.67480
Se 196.026	1.42215	ug/L	0.088049	6.2	2.92444
Si 251.611	2227.38	ug/L	4.57082	0.2	12292.3
Si 288.158	2246.61	ug/L	2.11321	0.1	28199.9
Sn 283.998	171.209	ug/L	0.325835	0.2	822.529
Sr 421.552	287.053	ug/L	0.157463	0.1	718050
Ti 336.122	17541.1	ug/L	210.899	1.2	4420841
Tl 190.794	1.75752	ug/L	1.18605	67.5	3.12813
V 292.401	975.944	ug/L	1.92970	0.2	40155.9
Zn 202.548	513.273	ug/L	6.07210	1.2	12458.8
Zr 339.198	28.1029	ug/L	1.75564	6.2	1726.49

360-24173-A-10-C (Samp) **9/17/2009, 4:08:24 PM** **Rack 2, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.04177	ug/L	0.362410	34.8	13.2689
Al 237.312	93342.2	ug/L	161.242	0.2	375537
As 188.980	28.7423	ug/L	0.067667	0.2	34.1867
B 249.678	9.61778	ug/L	0.254508	2.6	299.929
Ba 493.408	625.094	ug/L	0.781123	0.1	1601418
Be 313.042	1.88448	ug/L	0.013128	0.7	6836.11
Ca 373.690	86631.8	ug/L	190.598	0.2	420726
Cd 214.439	2.58292	ug/L	0.019260	0.7	109.002
Co 228.615	164.502	ug/L	0.181654	0.1	1566.43
Cr 267.716	366.804	ug/L	0.715307	0.2	18019.0
Cu 327.395	908.617	ug/L	1.66880	0.2	62843.2
Fe 273.955	199683	ug/L	93.4154	0.0	2583954
K 404.721	9244.20	ug/L	3.94295	0.0	141.063
Li 610.365	38.2016	ug/L	0.204919	0.5	3027.94
Mg 279.078	32545.3	ug/L	75.1881	0.2	150875
Mn 257.610	1298.27	ug/L	3.24059	0.2	400613
Mo 202.032	2.78708	ug/L	0.326410	11.7	34.1495
Na 330.237	11215.3	ug/L	48.6309	0.4	1605.11
Ni 216.555	144.178	ug/L	0.624944	0.4	1246.74
Pb 220.353	49.3163	ug/L	0.222479	0.5	268.163
Sb 217.582	0.606481	ug/L	0.674533	111.2	4.99426
Se 196.026	-0.289310uv	ug/L	0.596405	206.1	1.96140
Si 251.611	2123.86	ug/L	3.41348	0.2	11723.5
Si 288.158	2133.43	ug/L	11.4491	0.5	26799.1
Sn 283.998	124.112	ug/L	1.67821	1.4	599.655
Sr 421.552	195.580	ug/L	0.335276	0.2	489247
Ti 336.122	14483.8	ug/L	15.8291	0.1	3650324
Tl 190.794	-1.35103uv	ug/L	0.162566	12.0	0.597458
V 292.401	612.787	ug/L	1.93082	0.3	25218.8
Zn 202.548	230.529	ug/L	1.08482	0.5	5620.16
Zr 339.198	78.1485	ug/L	7.12762	9.1	4797.99

360-24173-A-13-D (Samp) **9/17/2009, 4:11:17 PM** **Rack 2, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	25.0524	ug/L	0.939144	3.7	227.481
Al 237.312	161829	ug/L	823.393	0.5	644372
As 188.980	25.8408	ug/L	1.80324	7.0	30.9594
B 249.678	13.6454	ug/L	0.034181	0.3	418.765
Ba 493.408	2098.93	ug/L	6.84837	0.3	5376754
Be 313.042	2.64751	ug/L	0.003009	0.1	9533.21
Ca 373.690	209239	ug/L	472.193	0.2	931297
Cd 214.439	6.24847	ug/L	0.266367	4.3	257.370
Co 228.615	264.879	ug/L	2.10293	0.8	2512.99
Cr 267.716	186.044	ug/L	1.13742	0.6	9155.80
Cu 327.395	439.668	ug/L	2.19491	0.5	30446.1
Fe 273.955	418731	ug/L	2726.07	0.7	5365389
K 404.721	71753.3	ug/L	275.744	0.4	1208.88
Li 610.365	69.3666	ug/L	0.618308	0.9	5475.31
Mg 279.078	69912.7	ug/L	443.489	0.6	314627
Mn 257.610	2234.55	ug/L	16.4720	0.7	689491
Mo 202.032	15.7767	ug/L	0.214529	1.4	154.420
Na 330.237	5090.90	ug/L	1.14939	0.0	729.351
Ni 216.555	208.501	ug/L	2.06597	1.0	1801.69
Pb 220.353	0.801429	ug/L	0.397373	49.6	9.78455
Sb 217.582	0.583803	ug/L	0.354656	60.7	4.95013
Se 196.026	1.75327uv	ug/L	3.80189	216.8	3.11076
Si 251.611	3806.30	ug/L	2.00652	0.1	20968.8
Si 288.158	3818.26	ug/L	9.48069	0.2	47653.5
Sn 283.998	40.7679	ug/L	0.195022	0.5	205.254
Sr 421.552	309.669	ug/L	0.648260	0.2	774619
Ti 336.122	14841.4	ug/L	328.024	2.2	3740449
Tl 190.794	-0.087858uv	ug/L	0.098791	112.4	1.62581
V 292.401	949.254	ug/L	3.24603	0.3	39058.1
Zn 202.548	884.587	ug/L	4.18796	0.5	21439.7
Zr 339.198	71.3106	ug/L	0.268871	0.4	4378.32

CCV (CCV) **9/17/2009, 4:14:11 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	966.581	ug/L	1.57960	0.2	8627.35	96.65806
Al 237.312	4828.18	ug/L	7.21194	0.1	22146.0	96.56366
As 188.980	958.835	ug/L	2.15248	0.2	1068.76	95.88345
B 249.678	952.337	ug/L	16.0788	1.7	28115.3	95.23367
Ba 493.408	973.990	ug/L	1.19385	0.1	2495137	97.39901
Be 313.042	963.570	ug/L	0.554412	0.1	3406095	96.35703
Ca 373.690	19434.9	ug/L	9.14819	0.0	102482	97.17456
Cd 214.439	968.596	ug/L	0.329514	0.0	39209.7	96.85963
Co 228.615	969.116	ug/L	1.03632	0.1	9153.96	96.91158
Cr 267.716	968.188	ug/L	0.914137	0.1	47506.7	96.81885
Cu 327.395	955.873	ug/L	14.9276	1.6	66107.9	95.58731
Fe 273.955	4848.75	ug/L	0.448847	0.0	78543.4	96.97496
K 404.721	19805.0	ug/L	412.281	2.1	292.976	99.02515
Li 610.365	4844.51	ug/L	1.86202	0.0	380467	96.89029
Mg 279.078	19319.2	ug/L	5.50494	0.0	90491.5	96.59618

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	966.344	ug/L	1.28884	0.1	298199	96.63445
Mo 202.032	968.914	ug/L	0.134999	0.0	8979.51	96.89144
Na 330.237	19618.6	ug/L	9.58323	0.0	2837.05	98.09293
Ni 216.555	974.189	ug/L	6.70319	0.7	8407.73	97.41885
Pb 220.353	962.711	ug/L	0.846034	0.1	5132.69	96.27114
Sb 217.582	960.865	ug/L	0.157183	0.0	1873.50	96.08646
Se 196.026	943.623	ug/L	4.47302	0.5	533.105	94.36227
Si 251.611	963.275	ug/L	4.85553	0.5	5345.85	96.32745
Si 288.158	951.249	ug/L	5.10356	0.5	12166.2	95.12490
Sn 283.998	962.408	ug/L	0.190501	0.0	4566.66	96.24079
Sr 421.552	967.737	ug/L	1.17607	0.1	2420656	96.77370
Ti 336.122	975.090	ug/L	0.290585	0.0	245770	97.50899
Tl 190.794	977.700	ug/L	0.173238	0.0	797.643	97.77003
V 292.401	969.335	ug/L	1.14020	0.1	39884.0	96.93351
Zn 202.548	967.557	ug/L	1.18150	0.1	23446.5	96.75569
Zr 339.198	919.116	ug/L	4.38040	0.5	56411.5	91.91158

CCB (CCB) **9/17/2009, 4:17:05 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.505842	ug/L	0.305724	60.4	8.48761	0.50584
Al 237.312	0.452942	ug/L	0.101475	22.4	11.1341	0.45294
As 188.980	0.793573	ug/L	0.610172	76.9	3.09848	0.79357
B 249.678	25.5568	ug/L	3.94600	15.4	770.218	25.55680
Ba 493.408	0.111433	ug/L	0.001192	1.1	486.021	0.11143
Be 313.042	0.112689	ug/L	0.002067	1.8	573.399	0.11269
Ca 373.690	1.48729	ug/L	0.317174	21.3	37.9924	1.48729
Cd 214.439	0.098789	ug/L	0.086157	87.2	8.45311	0.09879
Co 228.615	0.420949	ug/L	0.084529	20.1	19.1463	0.42095
Cr 267.716	-0.094860uv	ug/L	0.092147	97.1	28.8679	-0.09486
Cu 327.395	0.233112	ug/L	0.239940	102.9	88.0570	0.23311
Fe 273.955	6.14588	ug/L	1.34292	21.9	128.598	6.14588
K 404.721	-366.974uv	ug/L	114.078	31.1	12.8792	-366.97446
Li 610.365	-0.243265uv	ug/L	0.034786	14.3	8.86523	-0.24326
Mg 279.078	2.69145	ug/L	0.181103	6.7	25.6846	2.69145
Mn 257.610	0.172596	ug/L	0.011562	6.7	96.1343	0.17260
Mo 202.032	10.9081	ug/L	2.29629	21.1	109.341	10.90805
Na 330.237	-25.3442uv	ug/L	17.5726	69.3	12.0132	-25.34420
Ni 216.555	0.348894	ug/L	0.321560	92.2	5.83842	0.34889
Pb 220.353	0.044191uv	ug/L	0.288873	653.7	5.75168	0.04419
Sb 217.582	1.08431	ug/L	0.922836	85.1	5.92404	1.08431
Se 196.026	3.59511	ug/L	2.56347	71.3	4.14717	3.59511
Si 251.611	0.584031	ug/L	0.640648	109.7	55.7060	0.58403
Si 288.158	-1.35585uv	ug/L	0.277978	20.5	375.078	-1.35585
Sn 283.998	1.20252	ug/L	0.891563	74.1	18.0214	1.20252
Sr 421.552	0.111338	ug/L	0.002828	2.5	316.643	0.11134
Ti 336.122	1.33080	ug/L	0.465072	34.9	356.909	1.33080
Tl 190.794	1.54003	ug/L	0.356444	23.1	2.95108	1.54003
V 292.401	0.443576	ug/L	0.067467	15.2	32.3404	0.44358
Zn 202.548	0.048900uv	ug/L	0.073872	151.1	45.5952	0.04890
Zr 339.198	0.464702	ug/L	0.017799	3.8	30.2224	0.46470

360-24173-A-16-C (Samp) **9/17/2009, 4:19:58 PM** **Rack 2, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	21.8668	ug/L	3.94895	18.1	199.060
Al 237.312	164846	ug/L	321.303	0.2	656215
As 188.980	28.4152	ug/L	0.079016	0.3	33.8229
B 249.678	21.6027	ug/L	0.371649	1.7	653.551
Ba 493.408	835.110	ug/L	3.21564	0.4	2139388
Be 313.042	4.23450	ug/L	0.020342	0.5	15142.7
Ca 373.690	115414	ug/L	93.0398	0.1	541432
Cd 214.439	6.25934	ug/L	0.013644	0.2	257.810
Co 228.615	317.633	ug/L	0.650893	0.2	3010.46
Cr 267.716	262.677	ug/L	1.10880	0.4	12913.4
Cu 327.395	331.877	ug/L	0.109665	0.0	22999.5
Fe 273.955	350190	ug/L	5752.42	1.6	4495059
K 404.721	34427.8	ug/L	163.759	0.5	522.436
Li 610.365	123.756	ug/L	0.486303	0.4	9746.53
Mg 279.078	79080.3	ug/L	410.647	0.5	353257
Mn 257.610	2376.99	ug/L	13.1882	0.6	733440
Mo 202.032	13.5666	ug/L	1.41939	10.5	133.957
Na 330.237	3913.52	ug/L	11.6548	0.3	563.122
Ni 216.555	245.497	ug/L	1.02357	0.4	2120.87
Pb 220.353	25.3632	ug/L	0.865313	3.4	140.595
Sb 217.582	-0.862970uv	ug/L	1.42816	165.5	2.13495
Se 196.026	-1.86022uv	ug/L	0.902085	48.5	1.07744
Si 251.611	4210.93	ug/L	37.0979	0.9	23192.3
Si 288.158	4225.44	ug/L	34.1127	0.8	52693.5
Sn 283.998	76.0777	ug/L	1.39067	1.8	372.348
Sr 421.552	160.977	ug/L	0.446883	0.3	402692
Ti 336.122	14717.2	ug/L	282.241	1.9	3709156
Tl 190.794	0.457754	ug/L	0.391638	85.6	2.06999
V 292.401	732.580	ug/L	2.75665	0.4	30146.0
Zn 202.548	848.688	ug/L	5.41003	0.6	20571.4
Zr 339.198	68.6591	ug/L	2.65673	3.9	4215.58

360-24194-A-2-H (Samp) **9/17/2009, 4:22:51 PM** **Rack 2, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	33.6337	ug/L	2.42797	7.2	304.038
Al 237.312	184027	ug/L	1030.57	0.6	731509
As 188.980	36.7325	ug/L	0.228551	0.6	43.0745
B 249.678	19.4634	ug/L	0.219572	1.1	590.431
Ba 493.408	958.981	ug/L	2.79062	0.3	2456691
Be 313.042	3.07581	ug/L	0.012971	0.4	11047.1
Ca 373.690	119286	ug/L	494.947	0.4	557517
Cd 214.439	5.01032	ug/L	0.072849	1.5	207.254
Co 228.615	252.312	ug/L	1.34234	0.5	2394.49
Cr 267.716	593.235	ug/L	2.64574	0.4	29121.6
Cu 327.395	728.263	ug/L	4.95510	0.7	50383.5
Fe 273.955	338563	ug/L	774.989	0.2	4347430
K 404.721	45159.4	ug/L	148.628	0.3	704.973
Li 610.365	127.098	ug/L	0.675272	0.5	10009.0
Mg 279.078	90958.1	ug/L	354.691	0.4	402401

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2717.12	ug/L	14.2920	0.5	838383
Mo 202.032	7.83161	ug/L	0.481544	6.1	80.8568
Na 330.237	14096.7	ug/L	7.76160	0.1	2023.59
Ni 216.555	442.552	ug/L	1.59364	0.4	3820.99
Pb 220.353	17.8433	ug/L	0.255492	1.4	100.546
Sb 217.582	0.908232	ug/L	0.449452	49.5	5.58142
Se 196.026	0.029341uv	ug/L	3.48674	11883.7	2.14070
Si 251.611	5603.36	ug/L	157.478	2.8	30843.9
Si 288.158	5650.95	ug/L	119.975	2.1	70338.1
Sn 283.998	199.438	ug/L	0.733034	0.4	956.118
Sr 421.552	282.506	ug/L	0.705985	0.2	706675
Ti 336.122	16433.4	ug/L	16.1102	0.1	4141680
Tl 190.794	-0.464502uv	ug/L	0.686526	147.8	1.31918
V 292.401	833.126	ug/L	4.13638	0.5	34281.6
Zn 202.548	464.291	ug/L	2.34085	0.5	11274.1
Zr 339.198	47.4582	ug/L	0.317438	0.7	2914.40

360-24194-A-5-C (Samp) **9/17/2009, 4:25:44 PM** **Rack 2, Tube 13**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	49.8604	ug/L	4.54934	9.1	448.806
Al 237.312	129305	ug/L	636.181	0.5	516703
As 188.980	31.5547	ug/L	1.37755	4.4	37.3151
B 249.678	12.3331	ug/L	0.252214	2.0	380.045
Ba 493.408	1380.73	ug/L	2.01601	0.1	3537017
Be 313.042	2.30695	ug/L	0.013420	0.6	8329.43
Ca 373.690	59414.6	ug/L	204.895	0.3	298553
Cd 214.439	2.92343	ug/L	0.091775	3.1	122.784
Co 228.615	142.749	ug/L	0.907049	0.6	1361.30
Cr 267.716	1224.46	ug/L	4.51730	0.4	60072.5
Cu 327.395	218.665	ug/L	1.41622	0.6	15178.3
Fe 273.955	243937	ug/L	1275.68	0.5	3145887
K 404.721	58127.3	ug/L	347.203	0.6	941.513
Li 610.365	85.7517	ug/L	0.720680	0.8	6762.03
Mg 279.078	100135	ug/L	244.007	0.2	439671
Mn 257.610	2148.25	ug/L	10.5350	0.5	662863
Mo 202.032	8.58533	ug/L	0.593488	6.9	87.8354
Na 330.237	4670.09	ug/L	9.31910	0.2	669.861
Ni 216.555	563.852	ug/L	2.57565	0.5	4867.52
Pb 220.353	28.9238	ug/L	0.201977	0.7	159.557
Sb 217.582	-1.10879uv	ug/L	0.841148	75.9	1.65662
Se 196.026	-0.139001uv	ug/L	0.571746	411.3	2.04597
Si 251.611	3288.13	ug/L	58.3068	1.8	18121.3
Si 288.158	3307.48	ug/L	57.9910	1.8	41331.2
Sn 283.998	451.244	ug/L	2.47494	0.5	2147.72
Sr 421.552	161.067	ug/L	0.483730	0.3	402919
Ti 336.122	15054.4	ug/L	83.5387	0.6	3794130
Tl 190.794	-0.043887uv	ug/L	0.202114	460.5	1.66161
V 292.401	486.804	ug/L	2.21817	0.5	20036.9
Zn 202.548	233.150	ug/L	0.036544	0.0	5683.56
Zr 339.198	32.7372	ug/L	0.840218	2.6	2010.91

360-24194-A-8-C (Samp) **9/17/2009, 4:28:38 PM** **Rack 2, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.10205	ug/L	1.53842	37.5	40.5713
Al 237.312	129918	ug/L	209.944	0.2	519111
As 188.980	49.9766	ug/L	0.429399	0.9	57.8063
B 249.678	10.9399	ug/L	0.188129	1.7	338.939
Ba 493.408	443.053	ug/L	1.64843	0.4	1135109
Be 313.042	2.41820	ug/L	0.011092	0.5	8722.66
Ca 373.690	51616.4	ug/L	281.788	0.5	261860
Cd 214.439	3.10398	ug/L	0.002314	0.1	130.092
Co 228.615	123.870	ug/L	0.957959	0.8	1183.28
Cr 267.716	689.718	ug/L	3.66199	0.5	33852.5
Cu 327.395	595.302	ug/L	2.57090	0.4	41198.0
Fe 273.955	247135	ug/L	927.039	0.4	3186493
K 404.721	23660.6	ug/L	137.785	0.6	351.319
Li 610.365	158.362	ug/L	0.375597	0.2	12464.1
Mg 279.078	91372.5	ug/L	477.540	0.5	404098
Mn 257.610	2201.82	ug/L	9.22450	0.4	679393
Mo 202.032	3.42633	ug/L	0.051096	1.5	40.0684
Na 330.237	2850.62	ug/L	34.1883	1.2	413.648
Ni 216.555	306.567	ug/L	1.69744	0.6	2647.77
Pb 220.353	31.2572	ug/L	0.168216	0.5	171.985
Sb 217.582	1.25132	ug/L	1.11529	89.1	6.24902
Se 196.026	0.163515uv	ug/L	0.949791	580.9	2.21620
Si 251.611	2539.21	ug/L	13.8096	0.5	14005.9
Si 288.158	2550.69	ug/L	3.78482	0.1	31963.7
Sn 283.998	246.767	ug/L	1.27013	0.5	1180.09
Sr 421.552	110.290	ug/L	0.510267	0.5	275908
Ti 336.122	9701.67	ug/L	32.6181	0.3	2445101
Tl 190.794	1.05008uv	ug/L	2.01438	191.8	2.55220
V 292.401	431.946	ug/L	2.20526	0.5	17780.6
Zn 202.548	310.513	ug/L	4.67392	1.5	7554.71
Zr 339.198	28.3126	ug/L	0.873544	3.1	1739.36

360-24223-A-2-D (Samp) **9/17/2009, 4:31:31 PM** **Rack 2, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	27.5899	ug/L	0.768591	2.8	250.118
Al 237.312	-x	ug/L	133.334	0.0	1056423
As 188.980	32.6114	ug/L	0.716944	2.2	38.4904
B 249.678	13.0248	ug/L	0.637712	4.9	400.454
Ba 493.408	2851.64	ug/L	12.9149	0.5	7304864
Be 313.042	4.17899	ug/L	0.005699	0.1	14946.5
Ca 373.690	67994.2	ug/L	170.982	0.3	338054
Cd 214.439	6.33938	ug/L	0.112213	1.8	261.050
Co 228.615	362.238	ug/L	1.55364	0.4	3431.09
Cr 267.716	157.182	ug/L	0.129367	0.1	7740.61
Cu 327.395	376.874	ug/L	0.054919	0.0	26108.0
Fe 273.955	418984	ug/L	1230.94	0.3	5368596
K 404.721	-x	ug/L	300.310	0.2	2674.69
Li 610.365	139.412	ug/L	0.337552	0.2	10975.9
Mg 279.078	185347	ug/L	823.724	0.4	782989

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	4421.96	ug/L	3.11949	0.1	1364396
Mo 202.032	5.90985	ug/L	0.047964	0.8	63.0632
Na 330.237	6886.51	ug/L	32.7251	0.5	984.189
Ni 216.555	322.464	ug/L	0.194774	0.1	2784.91
Pb 220.353	-1.51778uv	ug/L	0.002950	0.2	-2.56702
Sb 217.582	1.29709	ug/L	0.515681	39.8	6.33807
Se 196.026	-1.38456uv	ug/L	2.29113	165.5	1.34509
Si 251.611	2888.67	ug/L	40.6914	1.4	15926.2
Si 288.158	2912.99	ug/L	73.9508	2.5	36448.2
Sn 283.998	32.6680	ug/L	0.417700	1.3	166.923
Sr 421.552	192.621	ug/L	0.381412	0.2	481843
Ti 336.122	-x	ug/L	30.4746	0.1	5698158
Tl 190.794	3.99200	ug/L	0.356013	8.9	4.94722
V 292.401	936.372	ug/L	0.910512	0.1	38528.2
Zn 202.548	289.652	ug/L	3.63145	1.3	7050.16
Zr 339.198	39.6975	ug/L	0.921307	2.3	2438.10

360-24223-A-5-E (Samp) **9/17/2009, 4:34:25 PM** **Rack 2, Tube 16**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	29.2063	ug/L	0.138180	0.5	264.539
Al 237.312	149603	ug/L	114.640	0.1	596381
As 188.980	30.1219	ug/L	0.500305	1.7	35.7214
B 249.678	9.44151	ug/L	0.226207	2.4	294.728
Ba 493.408	596.465	ug/L	0.379017	0.1	1528084
Be 313.042	3.61993	ug/L	0.005414	0.1	12970.4
Ca 373.690	43769.1	ug/L	140.706	0.3	224177
Cd 214.439	3.76038	ug/L	0.046617	1.2	156.661
Co 228.615	174.173	ug/L	0.595143	0.3	1657.63
Cr 267.716	2168.35	ug/L	7.47745	0.3	106354
Cu 327.395	234.573	ug/L	0.382707	0.2	16277.3
Fe 273.955	313426	ug/L	1661.72	0.5	4028235
K 404.721	30463.8	ug/L	60.8526	0.2	458.037
Li 610.365	136.799	ug/L	0.389472	0.3	10770.8
Mg 279.078	118001	ug/L	110.032	0.1	511655
Mn 257.610	2636.49	ug/L	1.41801	0.1	813506
Mo 202.032	2.64031	ug/L	0.092367	3.5	32.7906
Na 330.237	14173.0	ug/L	29.1454	0.2	2034.72
Ni 216.555	277.043	ug/L	0.960187	0.3	2393.04
Pb 220.353	28.7651	ug/L	0.322722	1.1	158.712
Sb 217.582	-0.270541uv	ug/L	2.12953	787.1	3.28772
Se 196.026	-0.996925uv	ug/L	2.89179	290.1	1.56322
Si 251.611	1929.14	ug/L	11.1180	0.6	10653.5
Si 288.158	1951.63	ug/L	29.0155	1.5	24548.8
Sn 283.998	837.704	ug/L	4.31243	0.5	3976.53
Sr 421.552	134.120	ug/L	0.090687	0.1	335514
Ti 336.122	10614.0	ug/L	26.9709	0.3	2675035
Tl 190.794	0.460716uv	ug/L	1.19776	260.0	2.07240
V 292.401	465.256	ug/L	0.711789	0.2	19150.6
Zn 202.548	264.631	ug/L	0.486977	0.2	6444.97
Zr 339.198	26.8306	ug/L	0.194754	0.7	1648.40

360-24223-A-8-C (Samp) **9/17/2009, 4:37:19 PM** **Rack 2, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	18.3574	ug/L	0.927553	5.1	167.751
Al 237.312	129024	ug/L	514.177	0.4	515602
As 188.980	40.7683	ug/L	0.628559	1.5	47.5637
B 249.678	7.80383	ug/L	0.559550	7.2	246.408
Ba 493.408	674.558	ug/L	1.18988	0.2	1728123
Be 313.042	3.19058	ug/L	0.017709	0.6	11452.8
Ca 373.690	33924.6	ug/L	61.3912	0.2	175827
Cd 214.439	2.81402	ug/L	0.006629	0.2	118.356
Co 228.615	115.370	ug/L	0.200055	0.2	1103.12
Cr 267.716	1402.51	ug/L	1.84511	0.1	68802.6
Cu 327.395	571.574	ug/L	2.19309	0.4	39558.8
Fe 273.955	212640	ug/L	182.356	0.1	2748475
K 404.721	22323.5	ug/L	238.665	1.1	330.910
Li 610.365	125.490	ug/L	0.227040	0.2	9882.68
Mg 279.078	70988.4	ug/L	114.441	0.2	319192
Mn 257.610	1816.63	ug/L	2.37561	0.1	560545
Mo 202.032	1.26969	ug/L	0.096651	7.6	20.1000
Na 330.237	2370.14	ug/L	1.26402	0.1	346.262
Ni 216.555	205.599	ug/L	0.296282	0.1	1776.65
Pb 220.353	24.8250	ug/L	0.588961	2.4	137.728
Sb 217.582	1.28147	ug/L	0.632524	49.4	6.30768
Se 196.026	0.834685uv	ug/L	1.43372	171.8	2.59387
Si 251.611	2841.38	ug/L	32.2233	1.1	15666.4
Si 288.158	2865.20	ug/L	33.5663	1.2	35856.8
Sn 283.998	534.010	ug/L	2.23185	0.4	2539.39
Sr 421.552	112.963	ug/L	0.029283	0.0	282596
Ti 336.122	8398.30	ug/L	12.6112	0.2	2116618
Tl 190.794	0.434307uv	ug/L	1.43746	331.0	2.05090
V 292.401	364.526	ug/L	0.097322	0.0	15007.5
Zn 202.548	280.423	ug/L	0.296261	0.1	6826.93
Zr 339.198	23.3500	ug/L	0.652435	2.8	1434.78

360-24223-A-14-D (Samp) **9/17/2009, 4:40:13 PM** **Rack 2, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	79.8159	ug/L	2.93843	3.7	716.054
Al 237.312	-x	ug/L	797.152	0.4	818416
As 188.980	40.6889	ug/L	0.126470	0.3	47.4753
B 249.678	9.64071	ug/L	0.406917	4.2	300.606
Ba 493.408	1366.34	ug/L	3.41435	0.2	3500165
Be 313.042	3.33231	ug/L	0.011351	0.3	11953.7
Ca 373.690	65145.5	ug/L	332.393	0.5	325039
Cd 214.439	4.40455	ug/L	0.072452	1.6	182.735
Co 228.615	206.836	ug/L	1.00349	0.5	1965.65
Cr 267.716	2919.71	ug/L	10.6156	0.4	143195
Cu 327.395	562.151	ug/L	5.01159	0.9	38907.8
Fe 273.955	337704	ug/L	8822.79	2.6	4336521
K 404.721	56388.8	ug/L	60.6372	0.1	908.785
Li 610.365	183.543	ug/L	0.432576	0.2	14441.6
Mg 279.078	137923	ug/L	764.482	0.6	591918

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2652.93	ug/L	13.7173	0.5	818579
Mo 202.032	4.17256	ug/L	0.351332	8.4	46.9776
Na 330.237	3819.50	ug/L	36.3514	1.0	549.879
Ni 216.555	341.803	ug/L	1.78194	0.5	2951.76
Pb 220.353	40.2634	ug/L	0.421846	1.0	219.949
Sb 217.582	0.175028uv	ug/L	0.545846	311.9	4.15472
Se 196.026	-0.967015uv	ug/L	1.39092	143.8	1.58005
Si 251.611	3399.01	ug/L	8.68208	0.3	18730.6
Si 288.158	3426.36	ug/L	5.91598	0.2	42802.7
Sn 283.998	1116.24	ug/L	7.80459	0.7	5294.65
Sr 421.552	119.345	ug/L	0.183035	0.2	298557
Ti 336.122	15419.2	ug/L	164.125	1.1	3886075
Tl 190.794	2.58004	ug/L	0.140406	5.4	3.79774
V 292.401	656.947	ug/L	1.66617	0.3	27035.1
Zn 202.548	367.793	ug/L	0.209404	0.1	8940.13
Zr 339.198	26.9066	ug/L	0.466967	1.7	1653.07

CCV (CCV) **9/17/2009, 4:43:07 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	972.588	ug/L	0.647678	0.1	8680.94	97.25877
Al 237.312	4866.44	ug/L	11.5875	0.2	22318.7	97.32881
As 188.980	961.609	ug/L	0.503011	0.1	1071.84	96.16093
B 249.678	956.187	ug/L	12.3909	1.3	28228.9	95.61870
Ba 493.408	981.174	ug/L	1.59703	0.2	2513540	98.11742
Be 313.042	967.450	ug/L	2.68221	0.3	3419808	96.74498
Ca 373.690	19507.1	ug/L	9.53765	0.0	102854	97.53572
Cd 214.439	970.757	ug/L	0.791654	0.1	39297.2	97.07572
Co 228.615	973.357	ug/L	1.14180	0.1	9193.95	97.33571
Cr 267.716	972.451	ug/L	1.44201	0.1	47715.7	97.24515
Cu 327.395	962.267	ug/L	0.892645	0.1	66549.6	96.22668
Fe 273.955	4866.05	ug/L	1.52056	0.0	78816.9	97.32091
K 404.721	20214.9	ug/L	226.869	1.1	299.102	101.07455
Li 610.365	4862.48	ug/L	2.18623	0.0	381878	97.24966
Mg 279.078	19367.7	ug/L	10.8359	0.1	90714.9	96.83830
Mn 257.610	970.792	ug/L	0.705812	0.1	299571	97.07915
Mo 202.032	975.054	ug/L	0.571374	0.1	9036.35	97.50539
Na 330.237	19627.3	ug/L	61.0874	0.3	2838.34	98.13640
Ni 216.555	973.802	ug/L	2.69304	0.3	8404.39	97.38017
Pb 220.353	965.474	ug/L	2.87292	0.3	5147.40	96.54745
Sb 217.582	965.428	ug/L	3.12903	0.3	1882.38	96.54283
Se 196.026	955.967	ug/L	1.57269	0.2	540.051	95.59674
Si 251.611	969.968	ug/L	0.878143	0.1	5382.63	96.99675
Si 288.158	956.047	ug/L	4.40854	0.5	12225.6	95.60468
Sn 283.998	966.030	ug/L	2.02396	0.2	4583.80	96.60298
Sr 421.552	973.780	ug/L	0.690707	0.1	2435771	97.37798
Ti 336.122	980.705	ug/L	1.12203	0.1	247185	98.07050
Tl 190.794	978.999	ug/L	5.82547	0.6	798.701	97.89994
V 292.401	974.000	ug/L	1.30817	0.1	40075.9	97.40004
Zn 202.548	968.427	ug/L	0.073801	0.0	23467.5	96.84270
Zr 339.198	938.062	ug/L	3.94209	0.4	57574.3	93.80623

CCB (CCB) **9/17/2009, 4:46:00 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.118170uv	ug/L	0.524343	443.7	2.92047	-0.11817
Al 237.312	0.340299uv	ug/L	1.58639	466.2	10.6097	0.34030
As 188.980	0.336773	ug/L	0.353147	104.9	2.59036	0.33677
B 249.678	25.2526	ug/L	3.81305	15.1	761.243	25.25261
Ba 493.408	0.114066	ug/L	0.001417	1.2	492.766	0.11407
Be 313.042	0.118548	ug/L	0.000920	0.8	594.108	0.11855
Ca 373.690	2.34555	ug/L	0.289255	12.3	42.6199	2.34555
Cd 214.439	0.018829uv	ug/L	0.028870	153.3	5.21660	0.01883
Co 228.615	0.319325	ug/L	0.049325	15.4	18.1880	0.31933
Cr 267.716	-0.057170uv	ug/L	0.052873	92.5	30.7159	-0.05717
Cu 327.395	0.220434	ug/L	0.020166	9.1	87.1812	0.22043
Fe 273.955	5.70354	ug/L	1.35773	23.8	121.269	5.70354
K 404.721	-707.923uv	ug/L	352.704	49.8	8.48938	-707.92334
Li 610.365	-0.293293uv	ug/L	0.079685	27.2	4.93652	-0.29329
Mg 279.078	3.48941	ug/L	0.181158	5.2	29.4775	3.48941
Mn 257.610	0.194666	ug/L	0.019588	10.1	102.944	0.19467
Mo 202.032	10.7577	ug/L	2.13623	19.9	107.950	10.75773
Na 330.237	-4.58383uv	ug/L	44.0523	961.0	14.8979	-4.58383
Ni 216.555	0.369587	ug/L	0.149588	40.5	6.01695	0.36959
Pb 220.353	-0.071226uv	ug/L	0.029295	41.1	5.13699	-0.07123
Sb 217.582	0.216432uv	ug/L	1.08470	501.2	4.23529	0.21643
Se 196.026	2.58951	ug/L	1.44577	55.8	3.58132	2.58951
Si 251.611	-0.505832uv	ug/L	0.615539	121.7	49.7170	-0.50583
Si 288.158	-2.49726uv	ug/L	0.312260	12.5	360.950	-2.49726
Sn 283.998	0.076819	ug/L	0.068984	89.8	12.6943	0.07682
Sr 421.552	0.117815	ug/L	0.002562	2.2	332.844	0.11782
Ti 336.122	1.33035	ug/L	0.447684	33.7	356.796	1.33035
Tl 190.794	2.10181	ug/L	0.447720	21.3	3.40842	2.10181
V 292.401	0.466441	ug/L	0.075074	16.1	33.2809	0.46644
Zn 202.548	0.083856	ug/L	0.030777	36.7	46.4407	0.08386
Zr 339.198	0.507514	ug/L	0.068259	13.4	32.8500	0.50751

Interf Check A (ICSA) **9/17/2009, 4:48:55 PM** **Rack 0, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.412875	ug/L	0.283713	68.7	7.65820	0.41287
Al 237.312	111559	ug/L	112.463	0.1	4470451	559.20313K
As 188.980	0.568865uv	ug/L	0.959521	168.7	2.84853	0.56886
B 249.678	10.8143	ug/L	0.037153	0.3	335.233	10.81428
Ba 493.408	0.390709	ug/L	0.005638	1.4	1201.41	0.39071
Be 313.042	0.012443	ug/L	0.003764	30.2	219.061	0.01244
Ca 373.690	106108	ug/L	122.258	0.1	5027626	108.46875K
Cd 214.439	0.352154	ug/L	0.035544	10.1	18.7084	0.35215
Co 228.615	2.08411	ug/L	0.080051	3.8	34.8299	2.08411
Cr 267.716	0.152646	ug/L	0.041158	27.0	41.0038	0.15265
Cu 327.395	0.455420	ug/L	0.043451	9.5	103.415	0.45542
Fe 273.955	42386.9	ug/L	82.5906	0.2	5866322	386.89063K
K 404.721	1844.61	ug/L	208.189	11.3	41.5315	1844.60828
Li 610.365	1.35004	ug/L	0.020523	1.5	133.987	1.35004
Mg 279.078	106665	ug/L	172.893	0.2	4659806	664.84375K

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	3.17538	ug/L	0.004413	0.1	1022.61	3.17538
Mo 202.032	2.26504	ug/L	1.19157	52.6	29.3159	2.26504
Na 330.237	194.691	ug/L	19.4413	10.0	42.5968	194.69110
Ni 216.555	5.67694	ug/L	0.333753	5.9	51.8067	5.67694
Pb 220.353	-1.34125uv	ug/L	0.063468	4.7	-1.62683	-1.34125
Sb 217.582	0.074167uv	ug/L	0.720068	970.9	3.95847	0.07417
Se 196.026	1.20741uv	ug/L	1.96934	163.1	2.80360	1.20741
Si 251.611	2.45355	ug/L	1.35248	55.1	65.9793	2.45355
Si 288.158	0.608626uv	ug/L	1.53023	251.4	399.394	0.60863
Sn 283.998	0.545627	ug/L	0.624034	114.4	14.9128	0.54563
Sr 421.552	0.588416	ug/L	0.001361	0.2	1509.97	0.58842
Ti 336.122	2.23531	ug/L	0.261279	11.7	584.869	2.23531
Tl 190.794	0.770437	ug/L	0.510508	66.3	2.32455	0.77044
V 292.401	2.56793	ug/L	0.114985	4.5	119.718	2.56793
Zn 202.548	0.115449uv	ug/L	1.74163	1508.6	47.2048	0.11545
Zr 339.198	0.980888	ug/L	0.026170	2.7	61.9028	0.98089

Interf Check AB (ICSAB) **9/17/2009, 4:51:49 PM** **Rack 0, Tube 11**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	588.847	ug/L	1.25142	0.2	5257.39	98.14120
Al 237.312	108424	ug/L	49.1163	0.0	434739	108.42416
As 188.980	1884.43	ug/L	5.21802	0.3	2098.33	94.22161
B 249.678	8.22036	ug/L	0.373983	4.5	258.698	-
Ba 493.408	572.343	ug/L	0.069399	0.0	1466294	95.39057
Be 313.042	184.326	ug/L	0.128828	0.1	651711	92.16323
Ca 373.690	102420	ug/L	165.949	0.2	487436	102.42009
Cd 214.439	549.801	ug/L	0.194126	0.0	22258.4	91.63342
Co 228.615	553.086	ug/L	0.203233	0.0	5230.79	92.18107
Cr 267.716	546.461	ug/L	0.018515	0.0	26828.1	91.07682
Cu 327.395	574.873	ug/L	1.76945	0.3	39786.7	95.81216
Fe 273.955	41166.1	ug/L	33.1981	0.1	571130	102.91518
K 404.721	42222.9	ug/L	11.8606	0.0	653.835	105.55721
Li 610.365	1.37672	ug/L	0.045514	3.3	136.082	-
Mg 279.078	102458	ug/L	37.5982	0.0	449030	102.45789
Mn 257.610	369.513	ug/L	0.095229	0.0	114052	92.37822
Mo 202.032	0.792714	ug/L	0.433785	54.7	15.6837	-
Na 330.237	-211.954uv	ug/L	4.75592	2.2	-13.9165	-
Ni 216.555	558.114	ug/L	0.287003	0.1	4818.01	93.01900
Pb 220.353	1791.99	ug/L	1.33342	0.1	9549.23	89.59948
Sb 217.582	910.616	ug/L	3.51050	0.4	1775.73	91.06165
Se 196.026	923.418	ug/L	1.36372	0.1	521.735	92.34175
Si 251.611	0.739391	ug/L	0.873319	118.1	56.5597	-
Si 288.158	-0.555844uv	ug/L	0.654687	117.8	384.981	-
Sn 283.998	228.339	ug/L	1.11612	0.5	1092.88	-
Sr 421.552	0.611232	ug/L	0.002656	0.4	1567.04	-
Ti 336.122	2.05391	ug/L	0.108685	5.3	539.151	-
Tl 190.794	1822.98	ug/L	2.91820	0.2	1485.78	91.14881
V 292.401	566.256	ug/L	0.257440	0.0	23304.9	94.37608
Zn 202.548	532.309	ug/L	2.48579	0.5	12919.2	88.71816
Zr 339.198	2.79642	ug/L	0.415629	14.9	173.329	-

RB (ICSAB) **9/17/2009, 4:54:43 PM** **Rack 4, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.584072	ug/L	0.640492	109.7	9.18555	-
Al 237.312	4.90224	ug/L	1.08357	22.1	31.8472	-
As 188.980	1.06879	ug/L	0.943269	88.3	3.40461	-
B 249.678	4.91204	ug/L	0.322899	6.6	161.084	-
Ba 493.408	0.027327	ug/L	0.005461	20.0	270.580	-
Be 313.042	0.013232	ug/L	0.001545	11.7	221.848	-
Ca 373.690	3.89477	ug/L	0.538072	13.8	50.9728	-
Cd 214.439	-0.004499uv	ug/L	0.013480	299.6	4.27237	-
Co 228.615	0.323704	ug/L	0.001874	0.6	18.2293	-
Cr 267.716	-0.217878uv	ug/L	0.056545	26.0	22.8359	-
Cu 327.395	0.025305uv	ug/L	0.059421	234.8	73.7008	-
Fe 273.955	7.64314	ug/L	1.49304	19.5	153.403	-
K 404.721	-373.052uv	ug/L	352.838	94.6	12.8009	-
Li 610.365	-0.267738uv	ug/L	0.010517	3.9	6.94336	-
Mg 279.078	4.69876	ug/L	0.808603	17.2	35.2260	-
Mn 257.610	0.054986	ug/L	0.002920	5.3	59.8470	-
Mo 202.032	0.342728	ug/L	0.194175	56.7	11.5173	-
Na 330.237	-20.3174uv	ug/L	6.47292	31.9	12.7117	-
Ni 216.555	0.305165	ug/L	0.271163	88.9	5.46115	-
Pb 220.353	0.227018	ug/L	0.157722	69.5	6.72537	-
Sb 217.582	0.892219	ug/L	0.023355	2.6	5.55026	-
Se 196.026	4.14413	ug/L	0.418743	10.1	4.45611	-
Si 251.611	-1.42863uv	ug/L	0.341172	23.9	44.6461	-
Si 288.158	-2.99690uv	ug/L	0.698872	23.3	354.766	-
Sn 283.998	-0.148931uv	ug/L	0.234624	157.5	11.6260	-
Sr 421.552	0.005233	ug/L	0.002925	55.9	51.2407	-
Ti 336.122	0.534045	ug/L	0.185086	34.7	156.105	-
Tl 190.794	3.23027	ug/L	0.585151	18.1	4.32710	-
V 292.401	0.270511	ug/L	0.090499	33.5	25.2220	-
Zn 202.548	0.097147	ug/L	0.035341	36.4	46.7621	-
Zr 339.198	0.152358	ug/L	0.003817	2.5	11.0526	-

Metals Worksheet

Batch Number: 360-49084
Method: 3050B
Analyst: Burton, Teresa F

Date Open: Sep 17 2009 9:26AM
Batch End: Sep 17 2009 1:30PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	stlma-3_00039	stlma2_00035
MB~360-49084/1		3050B, 6010B		2.0 g	100 mL		
LCS~360-49084/2		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
LCSD~360-49084/3		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
360-24417-A-2	OC-SB-463-28/30-XXX		T	1.99 g	100 mL		
360-24417-A-2~DU			T	1.98 g	100 mL		
360-24417-A-2~MS			T	2.00 g	100 mL	1.0 mL	1.0 mL
360-24417-A-5	OC-SB-464-26/28-XXX		T	1.60 g	100 mL		
360-24417-A-8	OC-SB-465-16/18-XXX		T	1.96 g	100 mL		
360-24417-A-12	OC-SB-468-31/33-XXX		T	1.51 g	100 mL		
360-24417-A-16	OC-SB-471-26/28-XXX		T	1.80 g	100 mL		
360-24631-A-1	And- Top		T	1.51 g	100 mL		
360-24613-A-1	Disposal Sample/64716-1		T	1.69 g	100 mL		
360-24173-A-2	OC-SB-405-14/15-XXX		T	1.61 g	100 mL		
360-24173-A-5	OC-SB-416-13/14-XXX		T	1.71 g	100 mL		
360-24173-A-10	OC-SB-412-12/13-XXX		T	1.52 g	100 mL		
360-24173-A-13	OC-SB-420-12/14-XXX		T	1.69 g	100 mL		
360-24173-A-16	OC-SB-423-13/14-XXX		T	1.65 g	100 mL		
360-24194-A-2	OC-SB-421-10.5/12.5-XXX	3050B, 6010B	T	1.73 g	100 mL		
360-24194-A-5	OC-SB-424-17/19-XXX	3050B, 6010B	T	1.56 g	100 mL		
360-24194-A-8	OC-SB-425-18/20-XXX	3050B, 6010B	T	1.63 g	100 mL		
360-24223-A-2	OC-SB-415-16/18-XXX		T	1.65 g	100 mL		
360-24223-A-5	OC-SB-419-17/19-XXX		T	1.58 g	100 mL		
360-24223-A-8	OC-SB-426-13/15-XXX		T	1.57 g	100 mL		
360-24223-A-14	OC-SB-436-13/15-XXX		T	1.64 g	100 mL		

Balance ID:	37037
Hood ID or number:	5
Hot Block ID number:	1
Lot # of hydrochloric acid:	432372
Lot # of Nitric Acid:	432376
Logbook ID for diluted Nitric:	433275
Hydrogen peroxide lot number:	415984
Oven, Bath or Block Temperature 1:	95 Degrees C

Shipping and Receiving Documents

State Accreditation Matrix

Method Name	Description	State where Primary Accreditation is Carried				
		New York (NELAC)	Mass	Conn	Florida (NELAC)	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)				NP	
SM 4500 Cl F	Chlorine, Residual		NP			
SM 9215B	Heterotrophic Plate Count (Pour Plate Method)		P			
SM 9215E	Heterotrophic Plate Count (SimPlate)		P			
SM 9221F	E.Coli (Multiple-Tube Fermentation; EC-MUG)		P			
SM 9222B	Coliforms, Total (Membrane Filter)		P			
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP			
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P			
200.8	Metals (ICP/MS) (list upon request)	NP/P	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW		NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	NP/P		
7470A	Mercury (CVAA)	NP		NP		
7471A	Mercury (CVAA)	SW		SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	NP/P		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		NP/P		
3010A	Preparation, Total Metals	NP/P		NP/P		
3020A	Preparation, Total Metals	NP/P/SW		NP/P/SW		
3050B	Preparation, Metals	SW		SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)		P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP		NP		
3546	Microwave Extraction	SW				
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		NP		
3540C	Soxhlet Extraction					
3550B	Ultrasonic Extraction	SW		SW		
600/4-81-045	Polychlorinated Biphenyls (PCBs) (GC)		NP	NP		
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW		NP/SW		
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW		NP/SW		
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW		
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	P		
524.2	Trihalomethanes		P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	NP		
5035	Closed System Purge and Trap	SW		SW		
5030B	Purge and Trap	NP		NP		
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
180.1	Turbidity, Nephelometric		P	P		
300	Anions, Ion Chromatography	NP/P	NP/P	NP/P		
410.4	COD	NP	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	NP		
7196A	Chromium, Hexavalent	NP/SW		NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		NP		
9040B	pH	NP		NP		
9045C	pH	SW		SW		
L107041C	Nitrogen, Nitrate	NP	P	NP/P		
L107-06-1B	Nitrogen Ammonia	NP	NP	NP/P		
L204001A CN	Cyanide, Total		NP/P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP		NP		
SM 4500 H+ B	pH	NP/P	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	NP/P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	NP/P		
SM 4500 P E	Phosphorus, Total	NP	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP		NP		
SM 5210B	BOD, 5-Day	NP	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP	NP	NP/P		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is listing is subject to change based on the laboratories current certification standing.

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-24194-2
SDG Number: OCRI-02A

Login Number: 24194
Creator: Burton, Teresa F
List Number: 1

List Source: TestAmerica Westfield

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8C
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

Client: Olin ~~Chemical~~ Corporation
Client Project #: 6107090016
Address: 3855 N. Ocoee St Suite 200, Cleveland, TN 37312
Work Site ID: Wilmington MA
Reports Sent To: Steve Morrow
Phone: ~~207 828 3415~~ 423 336 4511 (Tc) Fax:
Email: SGMorrow@olin.com Email Rpt:

INVOICE INFO — Shaded Areas for office use only
Company Name: ~~MACTEC~~ (Tc) Olin Corp
Company Contact: ~~Tige Cunningham~~ ERG Accounts Payable
Address: Same as Client
Phone: Email

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 (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)
																													See attached for Category 1 = (cat1) category 2 = (cat2) category 3 = (cat3)
OC-SB-421-0.0/1.0-XXX	8/19/2009 7:40:00 AM	T	FS	SO	G	11	3	1	1	1	1	1	1		1	1	1								1	1			Cat 1
OC-SB-421-10.5/12.5-XXX	8/19/2009 8:05:00 AM	T	FS	SO	G	11	3	1	1	1	1	1	1		1	1	1								1	1			Cat 3
OC-SB-421-8.0/10-XXX	8/19/2009 7:45:00 AM	T	FS	SO	G	11	3	1	1	1	1	1	1		1	1	1								1	1			Cat 2
OC-SB-424-0.0/1.0-XXX	8/19/2009 11:35:00	T	FS	SO	G	8	3	1	1	1			1		1	1									1	1			Cat 1
OC-SB-424-17/19-XXX	8/19/2009 12:35:00	T	FS	SO	G	8	3	1	1	1			1		1	1									1	1			Cat 3
OC-SB-424-7.0/9.0-XXX	8/19/2009 12:15:00	T	FS	SO	G	8	3	1	1	1			1		1	1									1	1			Cat 2
OC-SB-425-0.0/1.0-XXX	8/19/2009 9:55:00 AM	T	FS	SO	G	7	3	1	1	1			1		1	1										1			Cat 1
OC-SB-425-18/20-XXX	8/19/2009 10:25:00	T	FS	SO	G	8	3	1	1	1			1		1	1									1	1			Cat 3
OC-SB-425-6.0/8.0-XXX	8/19/2009 10:05:00	T	FS	SO	G	8	3	1	1	1			1		1	1									1	1			Cat 2
OC-TBK-002	8/19/2009 2:00:00 PM	T	TB	SOIL	G	3	3																						Cat 1

TAL Soil

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, Nitrate, Nitrite, Flouride, Bromid

Cooler ? Y / N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt: 3.8 Deg C	
Preservation / pH checked? Y / N	
By: /	Date: /

Relinquished: [signature] **Date:** 8/19/09 **Time:** 1520 **Received:** [signature] **Date:** 8/19/09 **Time:** 1520

Relinquished: Tim Knollman **Date:** 8/19/09 **Time:** 1730 **Received:** [signature] **Date:** 8/19/09 **Time:** 1730

Print Draft | Print Final and Close

TAL- Soil

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax:	423-336-1466
Email	SGMorrow@olin.com	Email Rpt:	

INVOICE INFO	Shaded Areas for office use only
Company Name:	Olin Corp
Company Contact:	ERG Accounts Payable
Address:	Same as Client
Phone:	Email

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 (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Amonnia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*	Comments (Special Instructions)
							ME	-	-	-	-	ME	-	-	-	-	-	-	-	-	<--Preservative Type (4)
							V	G	G	G	G	V	G	G	G	G	G	G	G	G	<--Bottle Type (5)
OC-TBK-003	8/19/2009 2:50:00 PM	T	TB	SOIL	G	1						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, Nitrate, Nitrite, Flouride, Bromid

Cooler ? Y / N MADEP Requirement Samples Iced? Y / N

Temp @ receipt: 3.8 Deg C

Preservation / pH checked? Y / N

By: _____ Date: _____

Relinquished: [signature] ***Date:*** 8/19/09 ***Time:*** 1520 ***Received:*** Jim Knollmy ***Date:*** 8/19/09 ***Time:*** 1520

Relinquished: Jim Knollmy ***Date:*** 8/19/09 ***Time:*** 1730 ***Received:*** [signature] ***Date:*** 8/19/09 ***Time:*** 1730

Print Draft | Print Final and Close

TAL-Water

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax:	423-336-1466
Email	SGMorrow@olin.com	Email Rpt:	

INVOICE INFO — Shaded Areas for office use only

Company Name: Olin Corp

Company Contact: ERG Accounts Payable

Address: Same as Client

Phone: Email

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/NDPA (WS-MS-0012)*	Diphenylamine (8270C)**	Pesticides (8081)	PCBs (8082)	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B/7470A)	Anions (EPA 300)***	Amonnia (LACHAT)	Alkalinity (SM 2320B)	Hardness (SM 2340B)	pH (SM 4500)	Conductivity (SM 2510B)	TDS (SM 2540C)	TSS (SM 2540D)	TOC (Lloyd Kahn)	COD (EPA 410.4)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Mod 8000 - HPLC)*	Alkylphenols (WS-MS-0010)*	Herbicides (8151A)	Comments (Special Instructions)
							HA	-	-	-	-	-	HA	HA	NI	-	SA	-	NI	-	-	-	-	SA	SA	-	-	SA	-	<--Preservative Type (4)
							V	AG	AG	AG	AG	AG	AG	V	P	P	P	P	P	P	P	P	P	AG	P	AG	V	AG	AG	<--Bottle Type (5)
OC-EBK-002	8/19/2009 9:30:00 AM	T	EB	BW	G	20	3	2	X	2			2	3	1	1	1									2	3			add NDMA per Tyre Cunningham Re 8/26/09

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = NDMA analyzed at TAL-West Sacramento, CA

* = Alkylphenols analyzed at TAL-West Sacramento, CA

* = Phthalic Anhydride analyzed at TAL-West Sacramento, C

* = Formaldehyde analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride, Nitrate, Nitrite, Flouride, Bromid

Cooler ? Y / N — MADEP Requirement Samples Iced? Y / N

Temp @ receipt: 3.8 Deg C

Preservation / pH checked? Y / N

By: JM Date: 8/19/09

Relinquished: [signature] Date: 8/19/09 Time: 1520 Received: Tim Knoll Date: 8/19/09 Time: 1530

Relinquished: Tim Knoll Date: 8/19/09 Time: 1830 Received: [signature] Date: 8/19/09 Time: 1730

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
360-24194	OC-SB-421-10.5/12.5-XXX	(360-24194-2)	08/19/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24194	OC-SB-424-17/19-XXX	(360-24194-5)	08/19/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24194	OC-SB-425-18/20-XXX	(360-24194-8)	08/19/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24194	OC-SB-421-10.5/12.5-XXX	(360-24194-2)	08/19/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24194	OC-SB-424-17/19-XXX	(360-24194-5)	08/19/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24194	OC-SB-425-18/20-XXX	(360-24194-8)	08/19/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24194	OC-SB-421-10.5/12.5-XXX	(360-24194-2)	08/19/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC
360-24194	OC-SB-424-17/19-XXX	(360-24194-5)	08/19/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC
360-24194	OC-SB-425-18/20-XXX	(360-24194-8)	08/19/09	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.

9/29/09
Date

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OCRI-02.xls, SVOCs Pending Samples

Supplemental Instructions to Laboratory
Soil Samples
Olin Chemical Superfund Site

LABORATORY: TestAmerica Laboratory

Lab SDG / Work Order #	MACTEC Field Sample ID	Lab Sample ID	Sample Date	Sample Category on the COC	Analyte/Method	Action Item/Comments
360-24194	OC-SB-421-10.5/12.5-XXX	(360-24194-2)	08/19/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24194	OC-SB-424-17/19-XXX	(360-24194-5)	08/19/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24194	OC-SB-425-18/20-XXX	(360-24194-8)	08/19/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24194	OC-SB-421-10.5/12.5-XXX	(360-24194-2)	08/19/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24194	OC-SB-424-17/19-XXX	(360-24194-5)	08/19/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24194	OC-SB-425-18/20-XXX	(360-24194-8)	08/19/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC

Tige Cunningham

Sample Manager
MACTEC Engineering & Consulting, Inc.

9/14/09
Date

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OCRI-02.xls, Metals Pending Samples