TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

FILE COPY

ANALYTICAL REPORT

CHECKED FOR COMPLETENESS OF PARAMETERS ORDERED BY:
1/28/10

Job Number: 360-24244-2

SDG Number: OCRI-04A

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 5:04 PM

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

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

TestAmerica Laboratories, Inc.
TestAmerica Westfield Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085
Tel (413) 572-4000 Fax (413) 572-3707 www.testamericainc.com

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MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24223-2**
Project Location:	**Willmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24223-(5,8,11)

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 16:43

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

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

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

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

TestAmerica Westfield
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MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24223-2**
Project Location:	**Willmington, MA**	MADEP RTN[1]:	

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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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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 16:43

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

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NELAP NY 10843
NH DES 253901-A

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CASE NARRATIVE

Client: Olin Corporation

Project: Olin Chemical Superfund Site

Report Number: 360-24244-2

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 08/21/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.0º and 4.6ºC.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 360-24244-5, 360-24244-8 and 360-24244-11 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 08/25/2009 and analyzed on 09/11/2009 and 09/12/2009.

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

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.

General method information:

For samples the MB, LCS/LCSD, batch 48751. ICAL: Quadratic regression used for 1,2-Dichlorobenzene, 2,4-Dinitrophenol, 4,6-Dintro-2-methylphenol, and Benzoic acid.

For samples 360-24244-(5,8,11), batch 48845. ICAL: Quadratic regression used for Benzoic acid, Di-n-butlyphthalate, and Di-n-octlyphthalate.

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

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS

Samples 360-24244-5, 360-24244-8 and 360-24244-11 were analyzed for total metals in accordance with EPA SW-846 Method 6010B.

The samples were prepared and analyzed on 09/16/2009.

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 64% recovery on the low reporting limit standard. The recommend MCP control criteria is 70-130%. The data has been flagged appropriately.

Antimony failed the recovery criteria low for the MS of sample 360-24244-5 in batch 360-49074. Aluminum, Calcium, Iron and Magnesium failed the recovery criteria high.

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 360-49006/1-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: 360-24244-2
Sdg Number: OCRI-04A

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-24244-5	OC-SB-443-18/20-XXX	Solid	08/20/2009 1720	08/21/2009 1725
360-24244-8	OC-SB-445-25/27-XXX	Solid	08/21/2009 1015	08/21/2009 1725
360-24244-11	OC-SB-437-21/23-XXX	Solid	08/21/2009 1310	08/21/2009 1725

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24244-5	**OC-SB-443-18/20-XXX**					
Bis(2-ethylhexyl) phthalate		34	J	36	ug/Kg	8270C LL
Aluminum		6900		3.4	mg/Kg	6010B
Arsenic		4.5		1.4	mg/Kg	6010B
Barium		42	^ B	0.68	mg/Kg	6010B
Beryllium		0.12	J	0.27	mg/Kg	6010B
Cadmium		0.31		0.27	mg/Kg	6010B
Calcium		4700	B	14	mg/Kg	6010B
Chromium		20	B	0.68	mg/Kg	6010B
Cobalt		6.8		0.68	mg/Kg	6010B
Copper		15		1.4	mg/Kg	6010B
Iron		21000	B	6.8	mg/Kg	6010B
Lead		2.5		0.68	mg/Kg	6010B
Magnesium		3000	B	14	mg/Kg	6010B
Manganese		83		1.4	mg/Kg	6010B
Nickel		9.3		1.4	mg/Kg	6010B
Potassium		2600		270	mg/Kg	6010B
Silver		2.2		0.68	mg/Kg	6010B
Sodium		800		140	mg/Kg	6010B
Vanadium		45		1.4	mg/Kg	6010B
Zinc		11		3.4	mg/Kg	6010B
Tin		6.1	J ^ B	6.8	mg/Kg	6010B

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24244-8	**OC-SB-445-25/27-XXX**					
Bis(2-ethylhexyl) phthalate		18	J	36	ug/Kg	8270C LL
Di-n-butyl phthalate		21	J	36	ug/Kg	8270C LL
Aluminum		8500		3.5	mg/Kg	6010B
Arsenic		4.9		1.4	mg/Kg	6010B
Barium		37	^ B	0.70	mg/Kg	6010B
Beryllium		0.22	J	0.28	mg/Kg	6010B
Cadmium		0.26	J	0.28	mg/Kg	6010B
Calcium		3000	B	14	mg/Kg	6010B
Chromium		48	B	0.70	mg/Kg	6010B
Cobalt		7.8		0.70	mg/Kg	6010B
Copper		20		1.4	mg/Kg	6010B
Iron		19000	B	7.0	mg/Kg	6010B
Lead		1.2		0.70	mg/Kg	6010B
Magnesium		5100	B	14	mg/Kg	6010B
Manganese		110		1.4	mg/Kg	6010B
Nickel		17		1.4	mg/Kg	6010B
Potassium		2300		280	mg/Kg	6010B
Silver		0.28	J	0.70	mg/Kg	6010B
Sodium		120	J	140	mg/Kg	6010B
Vanadium		31		1.4	mg/Kg	6010B
Zinc		20		3.5	mg/Kg	6010B
Tin		17	^ B	7.0	mg/Kg	6010B
360-24244-11	**OC-SB-437-21/23-XXX**					
Aluminum		9500		3.2	mg/Kg	6010B
Arsenic		3.7		1.3	mg/Kg	6010B
Barium		40	^ B	0.63	mg/Kg	6010B
Beryllium		0.22	J	0.25	mg/Kg	6010B
Cadmium		0.26		0.25	mg/Kg	6010B
Calcium		3200	B	13	mg/Kg	6010B
Chromium		35	B	0.63	mg/Kg	6010B
Cobalt		7.5		0.63	mg/Kg	6010B
Copper		15		1.3	mg/Kg	6010B
Iron		18000	B	6.3	mg/Kg	6010B
Lead		1.3		0.63	mg/Kg	6010B
Magnesium		6200	B	13	mg/Kg	6010B
Manganese		150		1.3	mg/Kg	6010B
Nickel		15		1.3	mg/Kg	6010B
Potassium		2600		250	mg/Kg	6010B
Silver		0.070	J	0.63	mg/Kg	6010B
Sodium		130		130	mg/Kg	6010B
Vanadium		31		1.3	mg/Kg	6010B
Zinc		24		3.2	mg/Kg	6010B
Tin		12	^ B	6.3	mg/Kg	6010B

METHOD SUMMARY

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

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: 360-24244-2
Sdg Number: OCRI-04A

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

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Client Sample ID: **OC-SB-443-18/20-XXX**

Lab Sample ID: 360-24244-5
Client Matrix: Solid
% Moisture: 7.9

Date Sampled: 08/20/2009 1720
Date Received: 08/21/2009 1725

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48845		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10206.D
Dilution:	1.0			Initial Weight/Volume:	30.56 g
Date Analyzed:	09/11/2009 2345			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		ND		11	36
1,2,4,5-Tetrachlorobenzene		ND		2.4	36
1,2,4-Trichlorobenzene		ND		6.9	36
1,2-Dichlorobenzene		ND		3.8	36
1,3-Dichlorobenzene		ND	*	10	36
1,4-Dichlorobenzene		ND		6.4	36
1-Methylnaphthalene		ND		2.1	36
2,2'-oxybis[1-chloropropane]		ND		3.6	36
2,3,4,6-Tetrachlorophenol		ND		2.1	36
2,4,5-Trichlorophenol		ND		4.0	36
2,4,6-Trichlorophenol		ND		7.5	36
2,4-Dichlorophenol		ND		6.8	36
2,4-Dimethylphenol		ND		6.2	36
2,4-Dinitrophenol		ND		5.2	36
2,4-Dinitrotoluene		ND		5.0	36
2,6-Dinitrotoluene		ND		4.5	36
2-Chloronaphthalene		ND		5.5	36
2-Chlorophenol		ND		3.5	36
2-Methylnaphthalene		ND		27	36
2-Methylphenol		ND		5.1	36
2-Nitroaniline		ND		23	180
2-Nitrophenol		ND		4.1	36
3 & 4 Methylphenol		ND		6.8	36
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	36
4-Chloro-3-methylphenol		ND		9.8	71
4-Chloroaniline		ND		14	71
4-Chlorophenyl phenyl ether		ND		5.7	36
4-Nitroaniline		ND		9.5	180
4-Nitrophenol		ND		6.9	180
Acenaphthene		ND		5.2	36
Acenaphthylene		ND		6.3	36
Acetophenone		ND		3.8	36
Aniline		ND	*	18	36
Anthracene		ND		11	36
Atrazine		ND		11	36
Azobenzene		ND		4.4	36
Benzaldehyde		ND		11	36
Benzo[a]anthracene		ND		6.8	36
Benzo[a]pyrene		ND		6.5	36
Benzo[b]fluoranthene		ND		8.1	36
Benzo[g,h,i]perylene		ND		6.9	36
Benzo[k]fluoranthene		ND		9.9	36
Benzoic acid		ND	*	15	180

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Client Sample ID: **OC-SB-443-18/20-XXX**

Lab Sample ID: 360-24244-5
Client Matrix: Solid
% Moisture: 7.9

Date Sampled: 08/20/2009 1720
Date Received: 08/21/2009 1725

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48845		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10206.D
Dilution:	1.0			Initial Weight/Volume:	30.56 g
Date Analyzed:	09/11/2009 2345			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	36
Benzyl alcohol		ND		8.2	71
Bis(2-chloroethoxy)methane		ND		6.4	36
Bis(2-chloroethyl)ether		ND	*	8.6	36
Bis(2-ethylhexyl) phthalate		34	J	11	36
Butyl benzyl phthalate		ND		7.8	36
Caprolactam		ND		11	36
Carbazole		ND		36	36
Chrysene		ND		7.7	36
Dibenz(a,h)anthracene		ND		7.2	36
Dibenzofuran		ND		21	36
Diethyl phthalate		ND		5.0	36
Dimethyl phthalate		ND		5.2	36
Di-n-butyl phthalate		ND		11	36
Di-n-octyl phthalate		ND		10	36
Diphenyl oxide		ND		11	36
Fluoranthene		ND		22	36
Fluorene		ND		14	36
Hexachlorobenzene		ND		8.4	36
Hexachlorobutadiene		ND		7.1	36
Hexachlorocyclopentadiene		ND		9.7	71
Hexachloroethane		ND		6.8	36
Indeno[1,2,3-cd]pyrene		ND		11	36
Isophorone		ND		7.6	36
Naphthalene		ND		79	85
Nitrobenzene		ND		4.8	36
N-Nitrosodimethylamine		ND		4.1	36
N-Nitrosodi-n-propylamine		ND		4.0	36
N-Nitrosodiphenylamine		ND		7.1	36
Pentachlorophenol		ND		7.3	36
Phenanthrene		ND		41	43
Phenol		ND		4.4	36
Pyrene		ND		9.4	36

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	76		30 - 130
2-Fluorobiphenyl	75		30 - 130
2-Fluorophenol	86		30 - 130
Nitrobenzene-d5	70		30 - 130
Phenol-d5	85		30 - 130
Terphenyl-d14	73		30 - 130

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Client Sample ID: **OC-SB-443-18/20-XXX**

Lab Sample ID: 360-24244-5
Client Matrix: Solid % Moisture: 7.9

Date Sampled: 08/20/2009 1720
Date Received: 08/21/2009 1725

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48845		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10206.D
Dilution:	1.0			Initial Weight/Volume:	30.56 g
Date Analyzed:	09/11/2009 2345			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.83	110	T J
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	10.87	130	T J N
	Unknown	10.89	120	T J
	Unknown	10.92	100	T J
	Unknown	10.96	110	T J
	Unknown	11.03	110	T J
	Unknown	11.05	120	T J

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Client Sample ID: **OC-SB-445-25/27-XXX**

Lab Sample ID: 360-24244-8
Client Matrix: Solid
% Moisture: 8.5

Date Sampled: 08/21/2009 1015
Date Received: 08/21/2009 1725

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48845		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10210.D
Dilution:	1.0			Initial Weight/Volume:	30.13 g
Date Analyzed:	09/12/2009 0201			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		ND		11	36
1,2,4,5-Tetrachlorobenzene		ND		2.4	36
1,2,4-Trichlorobenzene		ND		7.1	36
1,2-Dichlorobenzene		ND		3.9	36
1,3-Dichlorobenzene		ND		11	36
1,4-Dichlorobenzene		ND		6.5	36
1-Methylnaphthalene		ND		2.2	36
2,2'-oxybis[1-chloropropane]		ND		3.7	36
2,3,4,6-Tetrachlorophenol		ND		2.2	36
2,4,5-Trichlorophenol		ND		4.1	36
2,4,6-Trichlorophenol		ND		7.6	36
2,4-Dichlorophenol		ND		7.0	36
2,4-Dimethylphenol		ND		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		5.6	36
2-Chlorophenol		ND		3.5	36
2-Methylnaphthalene		ND		28	36
2-Methylphenol		ND		5.2	36
2-Nitroaniline		ND		23	180
2-Nitrophenol		ND		4.2	36
3 & 4 Methylphenol		ND		6.9	36
3,3'-Dichlorobenzidine		ND	*	26	73
3-Nitroaniline		ND		10	180
4,6-Dinitro-2-methylphenol		ND		9.3	180
4-Bromophenyl phenyl ether		ND		7.5	36
4-Chloro-3-methylphenol		ND		10	73
4-Chloroaniline		ND		15	73
4-Chlorophenyl phenyl ether		ND		5.8	36
4-Nitroaniline		ND		9.7	180
4-Nitrophenol		ND		7.1	180
Acenaphthene		ND		5.3	36
Acenaphthylene		ND		6.4	36
Acetophenone		ND		3.9	36
Aniline		ND	*	19	36
Anthracene		ND		11	36
Atrazine		ND		11	36
Azobenzene		ND		4.5	36
Benzaldehyde		ND		11	36
Benzo[a]anthracene		ND		7.0	36
Benzo[a]pyrene		ND		6.6	36
Benzo[b]fluoranthene		ND		8.3	36
Benzo[g,h,i]perylene		ND		7.1	36
Benzo[k]fluoranthene		ND		10	36
Benzoic acid		ND		16	180

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Client Sample ID: **OC-SB-445-25/27-XXX**

Lab Sample ID: 360-24244-8
Client Matrix: Solid
% Moisture: 8.5

Date Sampled: 08/21/2009 1015
Date Received: 08/21/2009 1725

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48845		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10210.D
Dilution:	1.0			Initial Weight/Volume:	30.13 g
Date Analyzed:	09/12/2009 0201			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	36
Benzyl alcohol		ND		8.4	73
Bis(2-chloroethoxy)methane		ND		6.5	36
Bis(2-chloroethyl)ether		ND	*	8.8	36
Bis(2-ethylhexyl) phthalate		18	J	12	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		ND		21	36
Diethyl phthalate		ND		5.1	36
Dimethyl phthalate		ND		5.3	36
Di-n-butyl phthalate		21	J	11	36
Di-n-octyl phthalate		ND		10	36
Diphenyl oxide		ND		11	36
Fluoranthene		ND		23	36
Fluorene		ND		14	36
Hexachlorobenzene		ND		8.6	36
Hexachlorobutadiene		ND		7.2	36
Hexachlorocyclopentadiene		ND		9.9	73
Hexachloroethane		ND		6.9	36
Indeno[1,2,3-cd]pyrene		ND		11	36
Isophorone		ND		7.8	36
Naphthalene		ND		80	87
Nitrobenzene		ND		4.9	36
N-Nitrosodimethylamine		ND		4.2	36
N-Nitrosodi-n-propylamine		ND		4.1	36
N-Nitrosodiphenylamine		ND		7.3	36
Pentachlorophenol		ND		7.5	36
Phenanthrene		ND		42	44
Phenol		ND		4.5	36
Pyrene		ND		9.6	36

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	66		30 - 130
2-Fluorobiphenyl	64		30 - 130
2-Fluorophenol	76		30 - 130
Nitrobenzene-d5	63		30 - 130
Phenol-d5	73		30 - 130
Terphenyl-d14	68		30 - 130

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Client Sample ID: **OC-SB-445-25/27-XXX**

Lab Sample ID: 360-24244-8
Client Matrix: Solid
% Moisture: 8.5

Date Sampled: 08/21/2009 1015
Date Received: 08/21/2009 1725

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48845		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10210.D
Dilution:	1.0			Initial Weight/Volume:	30.13 g
Date Analyzed:	09/12/2009 0201			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Client Sample ID: **OC-SB-437-21/23-XXX**

Lab Sample ID: 360-24244-11
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 08/21/2009 1310
Date Received: 08/21/2009 1725

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48845		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10213.D
Dilution:	1.0			Initial Weight/Volume:	30.55 g
Date Analyzed:	09/12/2009 0343			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		ND		11	35
1,2,4,5-Tetrachlorobenzene		ND		2.4	35
1,2,4-Trichlorobenzene		ND		6.8	35
1,2-Dichlorobenzene		ND		3.8	35
1,3-Dichlorobenzene		ND	*	10	35
1,4-Dichlorobenzene		ND		6.3	35
1-Methylnaphthalene		ND		2.1	35
2,2'-oxybis[1-chloropropane]		ND		3.5	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		6.1	35
2,4-Dinitrophenol		ND		5.2	35
2,4-Dinitrotoluene		ND		5.0	35
2,6-Dinitrotoluene		ND		4.4	35
2-Chloronaphthalene		ND		5.4	35
2-Chlorophenol		ND		3.4	35
2-Methylnaphthalene		ND		27	35
2-Methylphenol		ND		5.0	35
2-Nitroaniline		ND		23	180
2-Nitrophenol		ND		4.1	35
3 & 4 Methylphenol		ND		6.7	35
3,3'-Dichlorobenzidine		ND	*	26	70
3-Nitroaniline		ND		10	180
4,6-Dinitro-2-methylphenol		ND		9.0	180
4-Bromophenyl phenyl ether		ND		7.3	35
4-Chloro-3-methylphenol		ND		9.7	70
4-Chloroaniline		ND		14	70
4-Chlorophenyl phenyl ether		ND		5.6	35
4-Nitroaniline		ND		9.4	180
4-Nitrophenol		ND		6.8	180
Acenaphthene		ND		5.2	35
Acenaphthylene		ND		6.2	35
Acetophenone		ND		3.8	35
Aniline		ND	*	18	35
Anthracene		ND		11	35
Atrazine		ND		11	35
Azobenzene		ND		4.4	35
Benzaldehyde		ND		11	35
Benzo[a]anthracene		ND		6.7	35
Benzo[a]pyrene		ND		6.4	35
Benzo[b]fluoranthene		ND		8.1	35
Benzo[g,h,i]perylene		ND		6.8	35
Benzo[k]fluoranthene		ND		9.7	35
Benzoic acid		ND	*	15	180

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Client Sample ID: **OC-SB-437-21/23-XXX**

Lab Sample ID: 360-24244-11
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 08/21/2009 1310
Date Received: 08/21/2009 1725

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48845		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10213.D
Dilution:	1.0			Initial Weight/Volume:	30.55 g
Date Analyzed:	09/12/2009 0343			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		8.1	70
Bis(2-chloroethoxy)methane		ND		6.3	35
Bis(2-chloroethyl)ether		ND	*	8.5	35
Bis(2-ethylhexyl) phthalate		ND		11	35
Butyl benzyl phthalate		ND		7.7	35
Caprolactam		ND		11	35
Carbazole		ND		35	35
Chrysene		ND		7.6	35
Dibenz(a,h)anthracene		ND		7.1	35
Dibenzofuran		ND		20	35
Diethyl phthalate		ND		5.0	35
Dimethyl phthalate		ND		5.2	35
Di-n-butyl phthalate		ND		11	35
Di-n-octyl phthalate		ND		9.9	35
Diphenyl oxide		ND		11	35
Fluoranthene		ND		22	35
Fluorene		ND		13	35
Hexachlorobenzene		ND		8.3	35
Hexachlorobutadiene		ND		7.0	35
Hexachlorocyclopentadiene		ND		9.6	70
Hexachloroethane		ND		6.7	35
Indeno[1,2,3-cd]pyrene		ND		11	35
Isophorone		ND		7.5	35
Naphthalene		ND		78	84
Nitrobenzene		ND		4.8	35
N-Nitrosodimethylamine		ND		4.1	35
N-Nitrosodi-n-propylamine		ND		4.0	35
N-Nitrosodiphenylamine		ND		7.0	35
Pentachlorophenol		ND		7.3	35
Phenanthrene		ND		40	42
Phenol		ND		4.4	35
Pyrene		ND		9.3	35

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	50		30 - 130
2-Fluorobiphenyl	56		30 - 130
2-Fluorophenol	64		30 - 130
Nitrobenzene-d5	53		30 - 130
Phenol-d5	61		30 - 130
Terphenyl-d14	55		30 - 130

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Client Sample ID: **OC-SB-437-21/23-XXX**

Lab Sample ID: 360-24244-11
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 08/21/2009 1310
Date Received: 08/21/2009 1725

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48845		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48119		Lab File ID:	B10213.D
Dilution:	1.0			Initial Weight/Volume:	30.55 g
Date Analyzed:	09/12/2009 0343			Final Weight/Volume:	1.0 mL
Date Prepared:	08/25/2009 1123			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	5.92	59	T J
112-84-5	Erucylamide	15.85	54	T J N

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Client Sample ID: **OC-SB-443-18/20-XXX**

Lab Sample ID: 360-24244-5
Client Matrix: Solid
% Moisture: 7.9

Date Sampled: 08/20/2009 1720
Date Received: 08/21/2009 1725

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/16/2009 1506
Date Prepared: 09/16/2009 0750

Analysis Batch: 360-49074
Prep Batch: 360-49006

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.59 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6900		0.89	3.4
Antimony		ND		0.25	0.68
Arsenic		4.5		0.12	1.4
Barium		42	^ B	0.089	0.68
Beryllium		0.12	J	0.034	0.27
Cadmium		0.31		0.0096	0.27
Calcium		4700	B	3.4	14
Chromium		20	B	0.091	0.68
Cobalt		6.8		0.089	0.68
Copper		15		0.089	1.4
Iron		21000	B	1.1	6.8
Lead		2.5		0.078	0.68
Magnesium		3000	B	0.68	14
Manganese		83		0.091	1.4
Nickel		9.3		0.089	1.4
Potassium		2600		43	270
Selenium		ND		0.32	0.68
Silver		2.2		0.069	0.68
Sodium		800		18	140
Thallium		ND		0.099	1.4
Vanadium		45		0.089	1.4
Zinc		11		0.80	3.4
Tin		6.1	J ^ B	0.44	6.8

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Client Sample ID: **OC-SB-445-25/27-XXX**

Lab Sample ID: 360-24244-8
Client Matrix: Solid
% Moisture: 8.5

Date Sampled: 08/21/2009 1015
Date Received: 08/21/2009 1725

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49074		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49006		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.57 g
Date Analyzed:	09/16/2009 1520			Final Weight/Volume:	100 mL
Date Prepared:	09/16/2009 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8500		0.91	3.5
Antimony		ND		0.25	0.70
Arsenic		4.9		0.13	1.4
Barium		37	^ B	0.091	0.70
Beryllium		0.22	J	0.035	0.28
Cadmium		0.26	J	0.0097	0.28
Calcium		3000	B	3.5	14
Chromium		48	B	0.093	0.70
Cobalt		7.8		0.091	0.70
Copper		20		0.091	1.4
Iron		19000	B	1.1	7.0
Lead		1.2		0.080	0.70
Magnesium		5100	B	0.70	14
Manganese		110		0.093	1.4
Nickel		17		0.091	1.4
Potassium		2300		44	280
Selenium		ND		0.33	0.70
Silver		0.28	J	0.070	0.70
Sodium		120	J	18	140
Thallium		ND		0.10	1.4
Vanadium		31		0.091	1.4
Zinc		20		0.82	3.5
Tin		17	^ B	0.45	7.0

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Client Sample ID: **OC-SB-437-21/23-XXX**

Lab Sample ID: 360-24244-11
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 08/21/2009 1310
Date Received: 08/21/2009 1725

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-49074		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-49006		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.70 g
Date Analyzed:	09/16/2009 1523			Final Weight/Volume:	100 mL
Date Prepared:	09/16/2009 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9500		0.82	3.2
Antimony		ND		0.23	0.63
Arsenic		3.7		0.12	1.3
Barium		40	^ B	0.082	0.63
Beryllium		0.22	J	0.032	0.25
Cadmium		0.26		0.0088	0.25
Calcium		3200	B	3.2	13
Chromium		35	B	0.084	0.63
Cobalt		7.5		0.082	0.63
Copper		15		0.082	1.3
Iron		18000	B	1.0	6.3
Lead		1.3		0.072	0.63
Magnesium		6200	B	0.63	13
Manganese		150		0.084	1.3
Nickel		15		0.082	1.3
Potassium		2600		39	250
Selenium		ND		0.30	0.63
Silver		0.070	J	0.063	0.63
Sodium		130		16	130
Thallium		ND		0.091	1.3
Vanadium		31		0.082	1.3
Zinc		24		0.74	3.2
Tin		12	^ B	0.40	6.3

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

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
360-24244-5	OC-SB-443-18/20-XXX	86	85	70	75	76	73
360-24244-8	OC-SB-445-25/27-XXX	76	73	63	64	66	68
360-24244-11	OC-SB-437-21/23-XXX	64	61	53	56	50	55
MB 360-48119/1-A		91	82	69	69	66	70
LCS 360-48119/2-A		59	54	50	69	71	71
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: 360-24244-2
Sdg Number: OCRI-04A

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: 360-24244-2
Sdg Number: OCRI-04A

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: 360-24244-2
Sdg Number: OCRI-04A

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
	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

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

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

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: 360-24244-2
Sdg Number: OCRI-04A

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: 360-24244-2
Sdg Number: OCRI-04A

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: 360-24244-2
Sdg Number: OCRI-04A

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: 360-24244-2
Sdg Number: OCRI-04A

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: 360-24244-2
Sdg Number: OCRI-04A

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: 360-24244-2
Sdg Number: OCRI-04A

Method Blank - Batch: 360-49006

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 360-49006/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1451
Date Prepared: 09/16/2009 0750

Analysis Batch: 360-49074
Prep Batch: 360-49006
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	0.0673	J	0.065	0.50
Beryllium	ND		0.025	0.20
Cadmium	ND		0.0070	0.20
Calcium	9.28	J	2.5	10
Chromium	0.0679	J	0.066	0.50
Cobalt	ND		0.065	0.50
Copper	ND		0.065	1.0
Iron	1.06	J	0.80	5.0
Lead	ND		0.057	0.50
Magnesium	2.44	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	0.587	J	0.32	5.0

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

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49006

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-49006/2-A	Analysis Batch:	360-49074	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49006	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/16/2009 1500			Final Weight/Volume:	100 mL
Date Prepared:	09/16/2009 0750				

LCSD Lab Sample ID:	LCSD 360-49006/3-A	Analysis Batch:	360-49074	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-49006	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/16/2009 1503			Final Weight/Volume:	100 mL
Date Prepared:	09/16/2009 0750				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aluminum	94	94	80 - 120	1	30		
Antimony	88	89	80 - 120	1	30		
Arsenic	94	95	80 - 120	1	30		
Barium	97	97	80 - 120	0	30		
Beryllium	97	96	80 - 120	0	30		
Cadmium	95	95	80 - 120	1	30		
Calcium	98	98	80 - 120	0	30		
Chromium	97	97	80 - 120	0	30		
Cobalt	96	96	80 - 120	1	30		
Copper	96	96	80 - 120	0	30		
Iron	98	98	80 - 120	0	30		
Lead	95	95	80 - 120	1	30		
Magnesium	94	94	80 - 120	1	30		
Manganese	97	97	80 - 120	0	30		
Nickel	95	95	80 - 120	0	30		
Potassium	92	92	80 - 120	0	30		
Selenium	95	95	80 - 120	1	30		
Silver	94	95	80 - 120	1	30		
Sodium	92	94	80 - 120	1	30		
Thallium	93	94	80 - 120	1	30		
Vanadium	97	97	80 - 120	0	30		
Zinc	95	95	80 - 120	0	30		
Tin	95	95	80 - 120	1	30		

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

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49006

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-49006/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-49006/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/16/2009 1500			Date Analyzed:	09/16/2009 1503
Date Prepared:	09/16/2009 0750			Date Prepared:	09/16/2009 0750

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	250	250	234	236
Antimony	50.0	50.0	44.2	44.5
Arsenic	50.0	50.0	47.2	47.4
Barium	50.0	50.0	48.3	48.4
Beryllium	50.0	50.0	48.3	48.2
Cadmium	50.0	50.0	47.3	47.6
Calcium	1000	1000	975	979
Chromium	50.0	50.0	48.5	48.6
Cobalt	50.0	50.0	47.9	48.1
Copper	50.0	50.0	48.1	48.2
Iron	250	250	244	245
Lead	50.0	50.0	47.3	47.6
Magnesium	1000	1000	936	943
Manganese	50.0	50.0	48.3	48.5
Nickel	50.0	50.0	47.6	47.7
Potassium	1000	1000	918	916
Selenium	50.0	50.0	47.3	47.7
Silver	50.0	50.0	47.2	47.5
Sodium	1000	1000	924	935
Thallium	50.0	50.0	46.5	47.0
Vanadium	50.0	50.0	48.5	48.6
Zinc	50.0	50.0	47.4	47.6
Tin	50.0	50.0	47.4	47.7

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

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Matrix Spike - Batch: 360-49006

Method: 6010B
Preparation: 3050B

Lab Sample ID: 360-24244-5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1511
Date Prepared: 09/16/2009 0750

Analysis Batch: 360-49074
Prep Batch: 360-49006
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 1.61 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	6900		337	8790	550	75 - 125	4
Antimony	ND		67.5	21.9	32	75 - 125	F
Arsenic	4.5		67.5	67.8	94	75 - 125	
Barium	42		67.5	108	98	75 - 125	
Beryllium	0.12	J	67.5	61.9	92	75 - 125	
Cadmium	0.31		67.5	60.2	89	75 - 125	
Calcium	4700		1350	7590	211	75 - 125	F
Chromium	20		67.5	84.2	96	75 - 125	
Cobalt	6.8		67.5	68.3	91	75 - 125	
Copper	15		67.5	79.8	97	75 - 125	
Iron	21000		337	21400	222	75 - 125	4
Lead	2.5		67.5	61.7	88	75 - 125	
Magnesium	3000		1350	5160	157	75 - 125	F
Manganese	83		67.5	161	116	75 - 125	
Nickel	9.3		67.5	70.2	90	75 - 125	
Potassium	2600		1350	4050	106	75 - 125	
Selenium	ND		67.5	60.3	89	75 - 125	
Silver	2.2		67.5	63.8	91	75 - 125	
Sodium	800		1350	2090	96	75 - 125	
Thallium	ND		67.5	54.6	81	75 - 125	
Vanadium	45		67.5	112	99	75 - 125	
Zinc	11		67.5	71.8	90	75 - 125	
Tin	6.1	J	67.5	60.3	80	75 - 125	

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

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Duplicate - Batch: 360-49006

Method: 6010B
Preparation: 3050B

Lab Sample ID: 360-24244-5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1508
Date Prepared: 09/16/2009 0750

Analysis Batch: 360-49074
Prep Batch: 360-49006
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 1.59 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	6900		8860	24	35	
Antimony	ND		ND	NC	35	
Arsenic	4.5		4.65	4	35	
Barium	42		36.3	15	35	
Beryllium	0.12	J	0.134	14	35	J
Cadmium	0.31		0.310	0	35	
Calcium	4700		6570	32	35	
Chromium	20		22.4	13	35	
Cobalt	6.8		7.34	8	35	
Copper	15		16.4	12	35	
Iron	21000		22000	6	35	
Lead	2.5		2.80	12	35	
Magnesium	3000		3680	19	35	
Manganese	83		101	19	35	
Nickel	9.3		10.5	13	35	
Potassium	2600		2550	3	35	
Selenium	ND		ND	NC	35	
Silver	2.2		2.30	6	35	
Sodium	800		956	18	35	
Thallium	ND		ND	NC	35	
Vanadium	45		50.1	11	35	
Zinc	11		12.6	13	35	
Tin	6.1	J	7.07	14	35	

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

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	V	Serial Dilution exceeds the control limits

Client: Olin Corporation

Job Number: 360-24244-2
Sdg Number: OCRI-04A

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
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	
360-24244-5	OC-SB-443-18/20-XXX	T	Solid	3546	
360-24244-8	OC-SB-445-25/27-XXX	T	Solid	3546	
360-24244-11	OC-SB-437-21/23-XXX	T	Solid	3546	
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
Analysis Batch:360-48845					
360-24244-5	OC-SB-443-18/20-XXX	T	Solid	8270C LL	360-48119
360-24244-8	OC-SB-445-25/27-XXX	T	Solid	8270C LL	360-48119
360-24244-11	OC-SB-437-21/23-XXX	T	Solid	8270C LL	360-48119

Report Basis
T = Total

Metals					
Prep Batch: 360-49006					
LCS 360-49006/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 360-49006/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 360-49006/1-A	Method Blank	T	Solid	3050B	
360-24244-5	OC-SB-443-18/20-XXX	T	Solid	3050B	
360-24244-5DU	Duplicate	T	Solid	3050B	
360-24244-5MS	Matrix Spike	T	Solid	3050B	
360-24244-8	OC-SB-445-25/27-XXX	T	Solid	3050B	
360-24244-11	OC-SB-437-21/23-XXX	T	Solid	3050B	
Analysis Batch:360-49074					
LCS 360-49006/2-A	Lab Control Sample	T	Solid	6010B	360-49006
LCSD 360-49006/3-A	Lab Control Sample Duplicate	T	Solid	6010B	360-49006
MB 360-49006/1-A	Method Blank	T	Solid	6010B	360-49006
360-24244-5	OC-SB-443-18/20-XXX	T	Solid	6010B	360-49006
360-24244-5DU	Duplicate	T	Solid	6010B	360-49006
360-24244-5MS	Matrix Spike	T	Solid	6010B	360-49006
360-24244-8	OC-SB-445-25/27-XXX	T	Solid	6010B	360-49006
360-24244-11	OC-SB-437-21/23-XXX	T	Solid	6010B	360-49006

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24244-2
SDG: OCRI-04A

Laboratory Chronicle

Lab ID: 360-24244-5 **Client ID:** OC-SB-443-18/20-XXX

Sample Date/Time: 08/20/2009 17:20 Received Date/Time: 08/21/2009 17:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24244-A-5-C		360-48845	360-48119	08/25/2009 11:23	1	TAL WFD	CAL
A:8270C LL	360-24244-A-5-C		360-48845	360-48119	09/11/2009 23:45	1	TAL WFD	PJS
P:3050B	360-24244-B-5-C		360-49074	360-49006	09/16/2009 07:50	1	TAL WFD	TFB
A:6010B	360-24244-B-5-C		360-49074	360-49006	09/16/2009 15:06	1	TAL WFD	EMN

Lab ID: 360-24244-5 MS **Client ID:** OC-SB-443-18/20-XXX

Sample Date/Time: 08/20/2009 17:20 Received Date/Time: 08/21/2009 17:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	360-24244-B-5-E MS		360-49074	360-49006	09/16/2009 07:50	1	TAL WFD	TFB
A:6010B	360-24244-B-5-E MS		360-49074	360-49006	09/16/2009 15:11	1	TAL WFD	EMN

Lab ID: 360-24244-5 DU **Client ID:** OC-SB-443-18/20-XXX

Sample Date/Time: 08/20/2009 17:20 Received Date/Time: 08/21/2009 17:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	360-24244-B-5-D DU		360-49074	360-49006	09/16/2009 07:50	1	TAL WFD	TFB
A:6010B	360-24244-B-5-D DU		360-49074	360-49006	09/16/2009 15:08	1	TAL WFD	EMN

Lab ID: 360-24244-8 **Client ID:** OC-SB-445-25/27-XXX

Sample Date/Time: 08/21/2009 10:15 Received Date/Time: 08/21/2009 17:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24244-A-8-F		360-48845	360-48119	08/25/2009 11:23	1	TAL WFD	CAL
A:8270C LL	360-24244-A-8-F		360-48845	360-48119	09/12/2009 02:01	1	TAL WFD	PJS
P:3050B	360-24244-A-8-E		360-49074	360-49006	09/16/2009 07:50	1	TAL WFD	TFB
A:6010B	360-24244-A-8-E		360-49074	360-49006	09/16/2009 15:20	1	TAL WFD	EMN

Lab ID: 360-24244-11 **Client ID:** OC-SB-437-21/23-XXX

Sample Date/Time: 08/21/2009 13:10 Received Date/Time: 08/21/2009 17:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24244-A-11-E		360-48845	360-48119	08/25/2009 11:23	1	TAL WFD	CAL
A:8270C LL	360-24244-A-11-E		360-48845	360-48119	09/12/2009 03:43	1	TAL WFD	PJS
P:3050B	360-24244-B-11-A		360-49074	360-49006	09/16/2009 07:50	1	TAL WFD	TFB
A:6010B	360-24244-B-11-A		360-49074	360-49006	09/16/2009 15:23	1	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-24244-2
SDG: OCRI-04A

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 360-48119/1-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 360-49006/1-A		360-49074	360-49006	09/16/2009 07:50	1	TAL WFD	TFB
A:6010B	MB 360-49006/1-A		360-49074	360-49006	09/16/2009 14:51	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 360-48119/2-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 360-49006/2-A		360-49074	360-49006	09/16/2009 07:50	1	TAL WFD	TFB
A:6010B	LCS 360-49006/2-A		360-49074	360-49006	09/16/2009 15:00	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 360-48119/3-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 360-49006/3-A		360-49074	360-49006	09/16/2009 07:50	1	TAL WFD	TFB
A:6010B	LCSD 360-49006/3-A		360-49074	360-49006	09/16/2009 15:03	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.: 360-24244-2

SDG No.: OCRI-04A

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-443-18/20-XXX	360-24244-5	86	85	70	75	76	73
OC-SB-445-25/27-XXX	360-24244-8	76	73	63	64	66	68
OC-SB-437-21/23-XXX	360-24244-11	64	61	53	56	50	55
	MB 360-48119/1-A	91	82	69	69	66	70
	LCS 360-48119/2-A	59	54	50	69	71	71
	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.: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

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-443-18/20-XXX	360-24244-5	B10206.D	09/11/2009 23:45
OC-SB-437-21/23-XXX	360-24244-11	B10213.D	09/12/2009 03:43

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

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Lab File ID: B10183.D DFTPP Injection Date: 09/11/2009

Instrument ID: Inst. B DFTPP Injection Time: 10:42

Analysis Batch No.: 48839

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	37.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	37.6	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	49.1	
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	7.1	
275	10.0 - 30.0 % of mass 198	28.2	
365	Greater than 1.0 % of mass 198	3.5	
441	Present but less than mass 443	15.2	
442	Greater than 40.0 % of mass 198	92.3	
443	17.0 - 23.0 % of mass 442	18.4	(20.0)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 360-48839/2	B10184.D	09/11/2009	11:16
	STD01 360-48839/3	B10185.D	09/11/2009	11:50
	STD025 360-48839/4	B10186.D	09/11/2009	12:24
	STD05 360-48839/5	B10187.D	09/11/2009	12:58
	STD1 360-48839/6	B10188.D	09/11/2009	13:32
	STD25 360-48839/7	B10189.D	09/11/2009	14:06
	STD8 360-48839/8	B10190.D	09/11/2009	14:40
	STD10 360-48839/9	B10191.D	09/11/2009	15:14
	STD20 360-48839/10	B10192.D	09/11/2009	15:48

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

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Lab File ID: B10194.D DFTPP Injection Date: 09/11/2009

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

Analysis Batch No.: 48845

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	39.6	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	50.4	
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	7.1	
275	10.0 - 30.0 % of mass 198	26.2	
365	Greater than 1.0 % of mass 198	3.2	
441	Present but less than mass 443	13.4	
442	Greater than 40.0 % of mass 198	81.9	
443	17.0 - 23.0 % of mass 442	16.2	(19.8)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-48845/2	B10195.D	09/11/2009	17:30
OC-SB-443-18/20-XXX	360-24244-5	B10206.D	09/11/2009	23:45
OC-SB-445-25/27-XXX	360-24244-8	B10210.D	09/12/2009	02:01
OC-SB-437-21/23-XXX	360-24244-11	B10213.D	09/12/2009	03:43

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

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

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

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.: 360-24244-2

SDG No.: OCRI-04A

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

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.: 360-24244-2

SDG No.: OCRI-04A

Sample No.: CCV 360-48845/2 Date Analyzed: 09/11/2009 17:30

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

Lab File ID (Standard): B10195.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		700792	7.45	1668810	8.59	646280	10.09
UPPER LIMIT		1401584	7.95	3337620	9.09	1292560	10.59
LOWER LIMIT		350396	6.95	834405	8.09	323140	9.59
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24244-5	OC-SB-443-18/20-XXX	649552	7.40	1548736	8.58	756616	10.09
360-24244-8	OC-SB-445-25/27-XXX	629309	7.45	1523483	8.58	731442	10.09
360-24244-11	OC-SB-437-21/23-XXX	700466	7.45	1663286	8.58	801122	10.09

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

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

Column used to flag values outside QC limits

FORM VIII 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Sample No.: CCV 360-48845/2 Date Analyzed: 09/11/2009 17:30

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

Lab File ID (Standard): B10195.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		1075108	11.33	671299	14.47	374750	16.92
UPPER LIMIT		2150216	11.83	1342598	14.97	749500	17.42
LOWER LIMIT		537554	10.83	335650	13.97	187375	16.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24244-5	OC-SB-443-18/20-XXX	1033715	11.33	721705	14.48	501811	16.93
360-24244-8	OC-SB-445-25/27-XXX	1007415	11.34	637256	14.48	376797	16.93
360-24244-11	OC-SB-437-21/23-XXX	1132766	11.33	704858	14.48	430911	16.94

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.: 360-24244-2

SDG No.: OCRI-04A

Client Sample ID: OC-SB-443-18/20-XXX | Lab Sample ID: 360-24244-5

Matrix: Solid | Lab File ID: B10206.D

Analysis Method: 8270C LL | Date Collected: 08/20/2009 17:20

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

Sample wt/vol: 30.56(g) | Date Analyzed: 09/11/2009 23:45

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

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

% Moisture: 7.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48845 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		36	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		36	2.4
120-82-1	1,2,4-Trichlorobenzene	ND		36	6.9
95-50-1	1,2-Dichlorobenzene	ND		36	3.8
541-73-1	1,3-Dichlorobenzene	ND	*	36	10
106-46-7	1,4-Dichlorobenzene	ND		36	6.4
90-12-0	1-Methylnaphthalene	ND		36	2.1
108-60-1	2,2'-oxybis[1-chloropropane]	ND		36	3.6
58-90-2	2,3,4,6-Tetrachlorophenol	ND		36	2.1
95-95-4	2,4,5-Trichlorophenol	ND		36	4.0
88-06-2	2,4,6-Trichlorophenol	ND		36	7.5
120-83-2	2,4-Dichlorophenol	ND		36	6.8
105-67-9	2,4-Dimethylphenol	ND		36	6.2
51-28-5	2,4-Dinitrophenol	ND		36	5.2
121-14-2	2,4-Dinitrotoluene	ND		36	5.0
606-20-2	2,6-Dinitrotoluene	ND		36	4.5
91-58-7	2-Chloronaphthalene	ND		36	5.5
95-57-8	2-Chlorophenol	ND		36	3.5
91-57-6	2-Methylnaphthalene	ND		36	27
95-48-7	2-Methylphenol	ND		36	5.1
88-74-4	2-Nitroaniline	ND		180	23
88-75-5	2-Nitrophenol	ND		36	4.1
15831-10-4	3 & 4 Methylphenol	ND		36	6.8
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		36	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		36	5.7
100-01-6	4-Nitroaniline	ND		180	9.5
100-02-7	4-Nitrophenol	ND		180	6.9
83-32-9	Acenaphthene	ND		36	5.2
208-96-8	Acenaphthylene	ND		36	6.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24244-2

SDG No.: OCRI-04A

Client Sample ID: OC-SB-443-18/20-XXX | Lab Sample ID: 360-24244-5

Matrix: Solid | Lab File ID: B10206.D

Analysis Method: 8270C LL | Date Collected: 08/20/2009 17:20

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

Sample wt/vol: 30.56(g) | Date Analyzed: 09/11/2009 23:45

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

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

% Moisture: 7.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48845 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		36	3.8
62-53-3	Aniline	ND	*	36	18
120-12-7	Anthracene	ND		36	11
1912-24-9	Atrazine	ND		36	11
103-33-3	Azobenzene	ND		36	4.4
100-52-7	Benzaldehyde	ND		36	11
56-55-3	Benzo[a]anthracene	ND		36	6.8
50-32-8	Benzo[a]pyrene	ND		36	6.5
205-99-2	Benzo[b]fluoranthene	ND		36	8.1
191-24-2	Benzo[g,h,i]perylene	ND		36	6.9
207-08-9	Benzo[k]fluoranthene	ND		36	9.9
65-85-0	Benzoic acid	ND	*	180	15
119-61-9	Benzophenone	ND		36	2.1
100-51-6	Benzyl alcohol	ND		71	8.2
111-91-1	Bis(2-chloroethoxy)methane	ND		36	6.4
111-44-4	Bis(2-chloroethyl)ether	ND	*	36	8.6
117-81-7	Bis(2-ethylhexyl) phthalate	34	J	36	11
85-68-7	Butyl benzyl phthalate	ND		36	7.8
105-60-2	Caprolactam	ND		36	11
86-74-8	Carbazole	ND		36	36
218-01-9	Chrysene	ND		36	7.7
53-70-3	Dibenz(a,h)anthracene	ND		36	7.2
132-64-9	Dibenzofuran	ND		36	21
84-66-2	Diethyl phthalate	ND		36	5.0
131-11-3	Dimethyl phthalate	ND		36	5.2
84-74-2	Di-n-butyl phthalate	ND		36	11
117-84-0	Di-n-octyl phthalate	ND		36	10
101-84-8	Diphenyl oxide	ND		36	11
206-44-0	Fluoranthene	ND		36	22
86-73-7	Fluorene	ND		36	14
118-74-1	Hexachlorobenzene	ND		36	8.4
87-68-3	Hexachlorobutadiene	ND		36	7.1
77-47-4	Hexachlorocyclopentadiene	ND		71	9.7
67-72-1	Hexachloroethane	ND		36	6.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24244-2

SDG No.: OCRI-04A

Client Sample ID: OC-SB-443-18/20-XXX | Lab Sample ID: 360-24244-5

Matrix: Solid | Lab File ID: B10206.D

Analysis Method: 8270C LL | Date Collected: 08/20/2009 17:20

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

Sample wt/vol: 30.56(g) | Date Analyzed: 09/11/2009 23:45

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

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

% Moisture: 7.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48845 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		36	11
78-59-1	Isophorone	ND		36	7.6
91-20-3	Naphthalene	ND		85	79
98-95-3	Nitrobenzene	ND		36	4.8
62-75-9	N-Nitrosodimethylamine	ND		36	4.1
621-64-7	N-Nitrosodi-n-propylamine	ND		36	4.0
86-30-6	N-Nitrosodiphenylamine	ND		36	7.1
87-86-5	Pentachlorophenol	ND		36	7.3
85-01-8	Phenanthrene	ND		43	41
108-95-2	Phenol	ND		36	4.4
129-00-0	Pyrene	ND		36	9.4

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	76	30-130	
321-60-8	2-Fluorobiphenyl	75	30-130	
367-12-4	2-Fluorophenol	86	30-130	
4165-60-0	Nitrobenzene-d5	70	30-130	
4165-62-2	Phenol-d5	85	30-130	
1718-51-0	Terphenyl-d14	73	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24244-2

SDG No.: OCRI-04A

Client Sample ID: OC-SB-443-18/20-XXX | Lab Sample ID: 360-24244-5

Matrix: Solid | Lab File ID: B10206.D

Analysis Method: 8270C LL | Date Collected: 08/20/2009 17:20

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

Sample wt/vol: 30.56(g) | Date Analyzed: 09/11/2009 23:45

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

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

% Moisture: 7.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48845 | Units: ug/Kg

Number TICs Found: 7 | TIC Result Total: 800

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.83	110	T J
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	10.87	130	T J N
	Unknown	10.89	120	T J
	Unknown	10.92	100	T J
	Unknown	10.96	110	T J
	Unknown	11.03	110	T J
	Unknown	11.05	120	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D		
Lims ID:	360-24244-A-5-A	Client ID:	OC-SB-443-18/20-XXX
Inject. Date:	11-Sep-2009 23:45:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24244-5		
Misc. Info.:	360-0001141-013		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	23
Lims Batch ID:	48845	Lims Sample ID:	13
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\8270B.m		
Last Update:	14-Sep-2009 13:42:10	Calib Date:	11-Sep-2009 15:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10192.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	14-Sep-2009 13:42:53

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.401	7.450	-0.049	649552	2.00	M
* 2 Naphthalene-d8	136	8.584	8.585	-0.001	1548736	2.00	M
* 3 Acenaphthene-d10	164	10.089	10.090	-0.001	756616	2.00	M
* 4 Phenanthrene-d10	188	11.330	11.331	0.000	1033715	2.00	
* 5 Chrysene-d12	240	14.475	14.471	0.004	721705	2.00	
* 6 Perylene-d12	264	16.927	16.923	0.004	501811	2.00	
$ 7 2-Fluorophenol	112	6.232	6.238	-0.006	1517618	8.65	M
$ 8 Phenol-d5	99	7.146	7.137	0.009	1826891	8.47	M
$ 9 Nitrobenzene-d5	82	7.968	7.969	-0.001	766046	3.52	M
$ 10 2-Fluorobiphenyl	172	9.493	9.494	-0.001	1815084	3.74	M
$ 11 2,4,6-Tribromophenol	330	10.758	10.758	0.000	296260	7.57	
$ 12 Terphenyl-d14	244	12.768	12.764	0.004	1297940	3.66	
72 N-Nitrosodiphenylamine	169	10.608	10.609	-0.001	48236	0.1462	
71 Diphenylamine	169	10.608	10.609	-0.001	48236	0.1462	
80 Phenanthrene	178	11.349	11.350	-0.001	10539	0.0201	
84 Di-n-butyl phthalate	149	11.758	11.758	0.000	82990	0.1002	
85 Pyrene	202	12.402	12.403	-0.001	6163	0.0107	
92 Bis(2-ethylhexyl) phthalate	149	14.388	14.389	-0.001	387098	0.9537	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D		
Lims ID:	360-24244-A-5-A	Client ID:	OC-SB-443-18/20-XXX
Inject. Date:	11-Sep-2009 23:45:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24244-5		
Misc. Info.:	360-0001141-013		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	23
Lims Batch ID:	48845	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\8270B.m		
Last Update:	14-Sep-2009 13:42:10	Calib Date:	11-Sep-2009 15:48:30
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:	14-Sep-2009 13:42:53

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
1,2-Diphenylhydrazine	10.642	12400	0.0333	
Alpha-Terpineol	8.512	34007	0.2013	
Benzidine	12.484	879	0.4269	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.834	4439888	2.99	4			
	27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-				
10.873	5583896	3.76	4	83	61171	
		Unknown				
10.892	5077989	3.42	4			
		Unknown				
10.916	4211144	2.83	4			
		Unknown				
10.955	4635595	3.12	4			
		Unknown				
11.027	4519536	3.04	4			
		Unknown				
11.046	5135007	3.45	4			

Report Date: 14-Sep-2009 13:42:54 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D
Quantitation Compounds

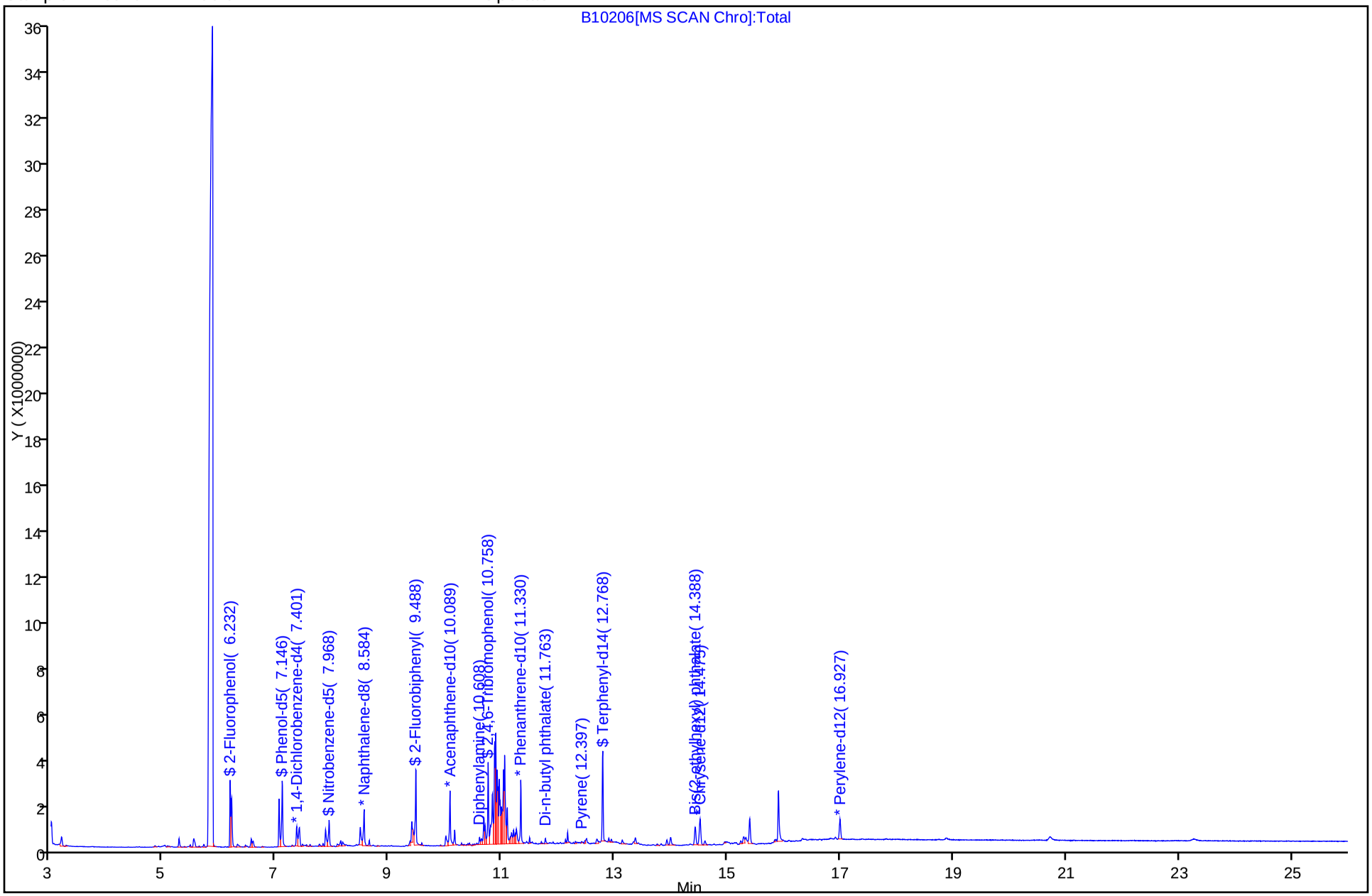
Compound	RT	Response	Amount ug/mL
* 4 Phenanthrene-d10	11.330	2973470	2.00

QC Flag Legend

Processing Flags

Report Date: 14-Sep-2009 13:42:54 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D		
Inj Date:	11-Sep-2009 23:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	13
Client ID:	OC-SB-443-18/20-XXX	Instrument:	Inst. B
Sample Info:	24244-5		
Sample Amount:	1.00 uL	Operator:	MZ



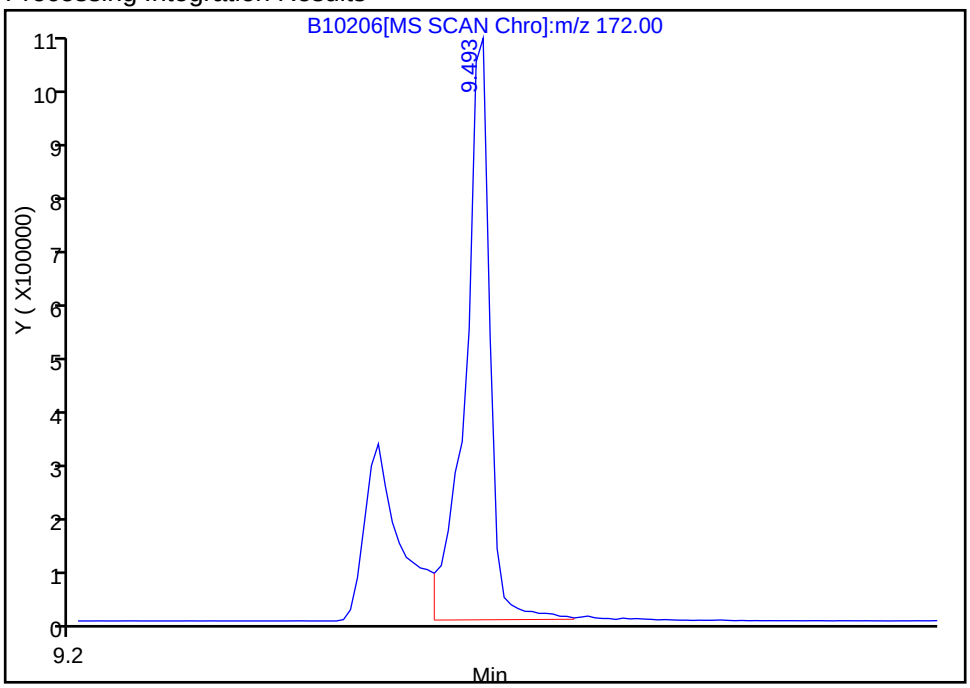
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D		
Inj Date:	11-Sep-2009 23:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	13
Client ID:	OC-SB-443-18/20-XXX	Instrument:	Inst. B
Sample Info:	24244-5		
Sample Amount:	1.00 uL	Operator:	MZ

$ 10 2-Fluorobiphenyl, Number: 1, m/z: 172 Type: quant, RT: 9.49

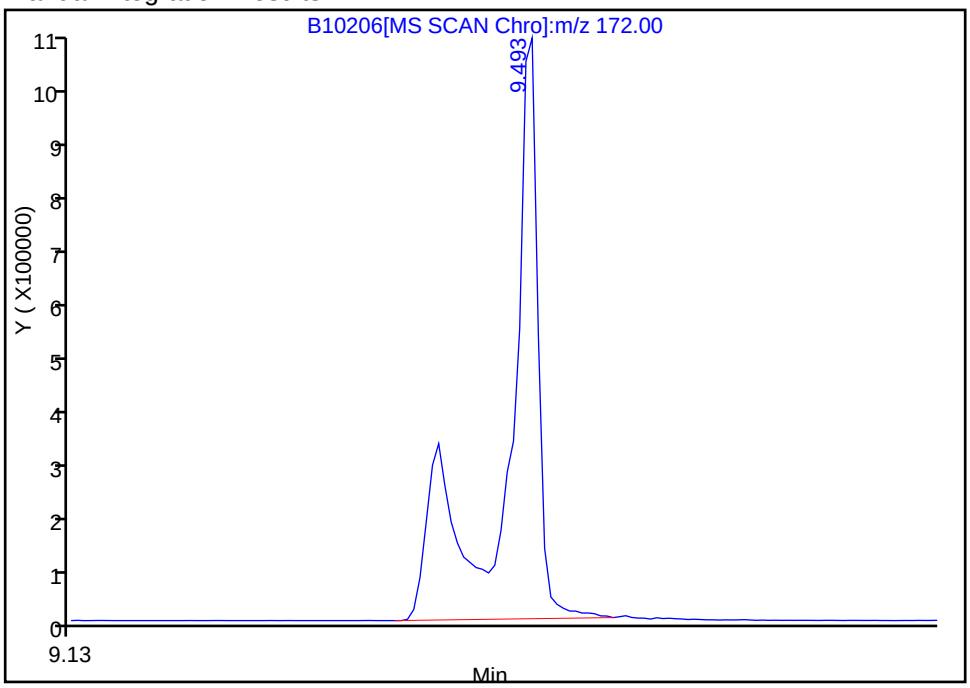
Processing Integration Results

RT: 9.49
Response: 1280797
Amount: 2.638359



Manual Integration Results

RT: 9.49
Response: 1815084
Amount: 3.738955



Reviewer: sullivanp, 14-Sep-2009 13:42:53
Audit Action: Manually Integrated
Audit Reason: Split Peak

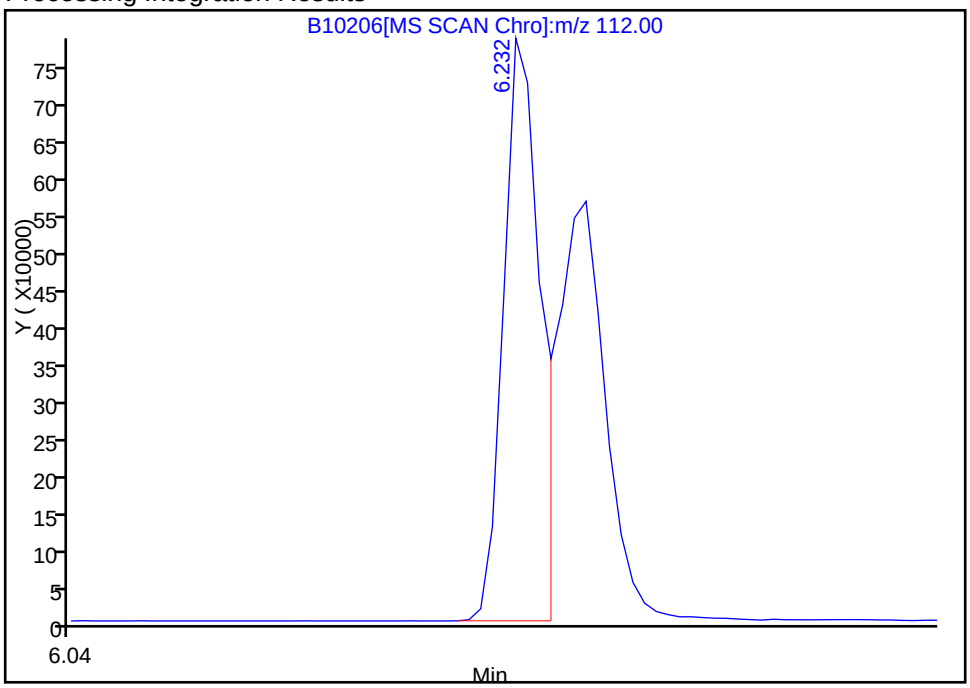
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D		
Inj Date:	11-Sep-2009 23:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	13
Client ID:	OC-SB-443-18/20-XXX	Instrument:	Inst. B
Sample Info:	24244-5		
Sample Amount:	1.00 uL	Operator:	MZ

$ 7 2-Fluorophenol, Number: 1, m/z: 112 Type: quant, RT: 6.24

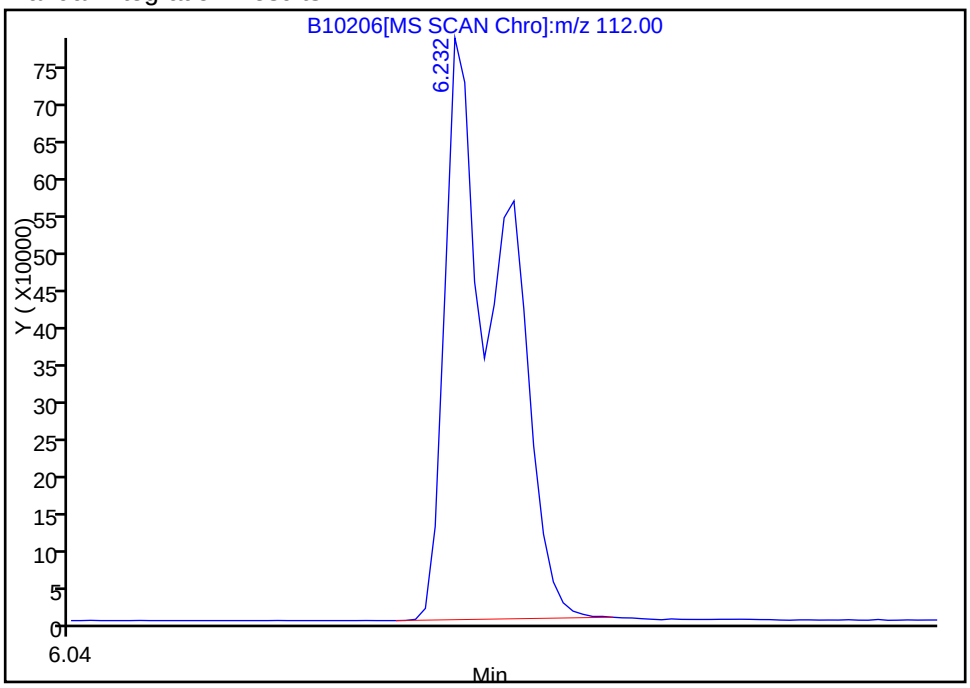
Processing Integration Results

RT: 6.23
Response: 836450
Amount: 4.766426



Manual Integration Results

RT: 6.23
Response: 1517618
Amount: 8.647993



Reviewer: sullivanp, 14-Sep-2009 13:42:53
Audit Action: Manually Integrated
Audit Reason: Split Peak

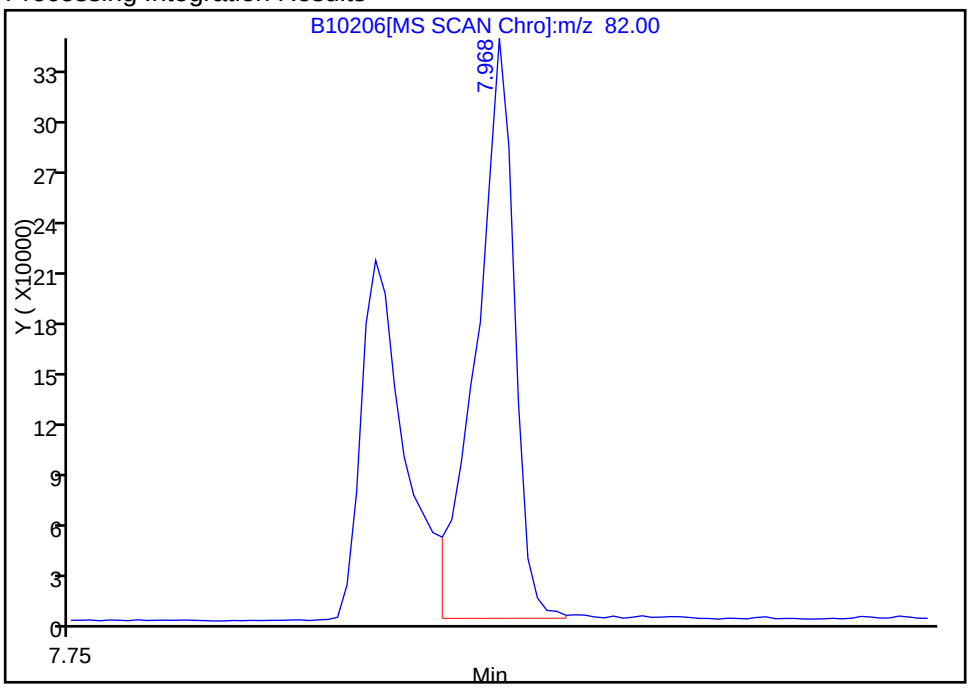
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D		
Inj Date:	11-Sep-2009 23:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	13
Client ID:	OC-SB-443-18/20-XXX	Instrument:	Inst. B
Sample Info:	24244-5		
Sample Amount:	1.00 uL	Operator:	MZ

$ 9 Nitrobenzene-d5, Number: 1, m/z: 82 Type: quant, RT: 7.97

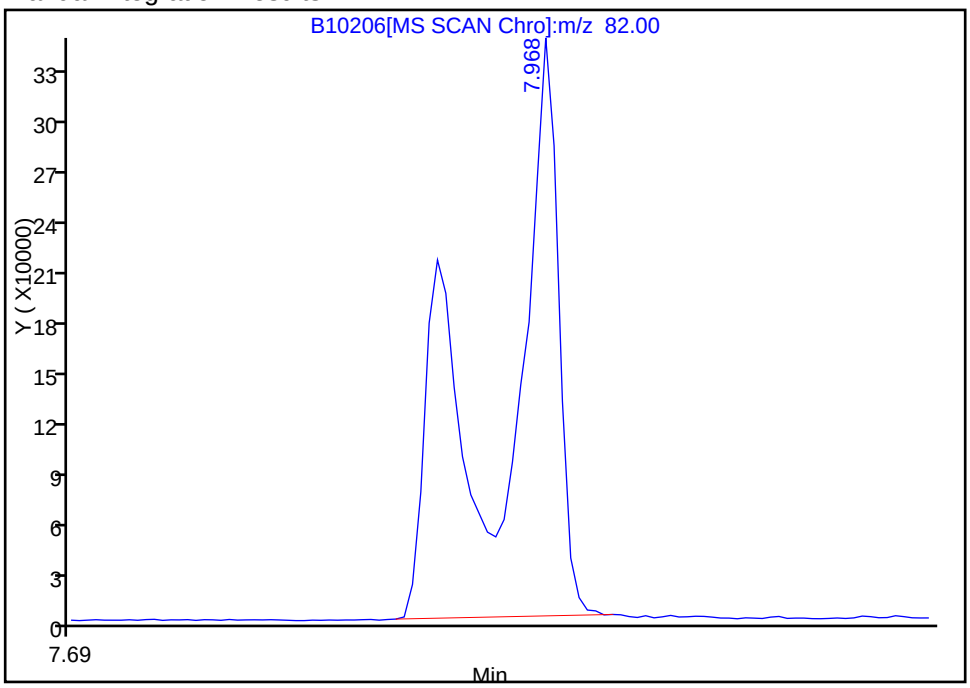
Processing Integration Results

RT: 7.97
Response: 456256
Amount: 2.096625



Manual Integration Results

RT: 7.97
Response: 766046
Amount: 3.520197



Reviewer: sullivanp, 14-Sep-2009 13:42:53
Audit Action: Manually Integrated
Audit Reason: Split Peak

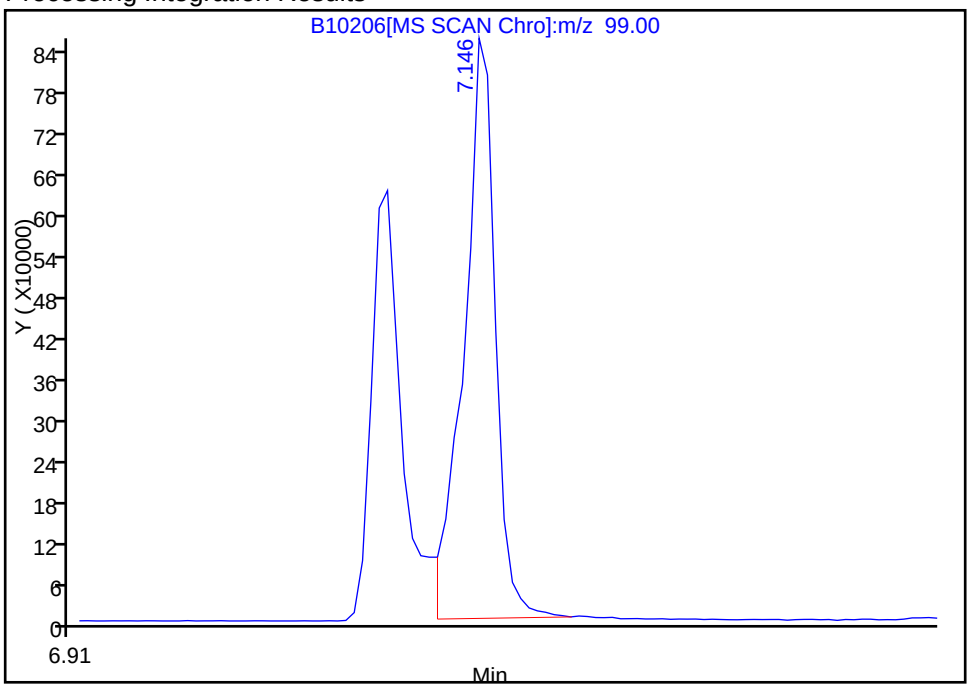
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D		
Inj Date:	11-Sep-2009 23:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	13
Client ID:	OC-SB-443-18/20-XXX	Instrument:	Inst. B
Sample Info:	24244-5		
Sample Amount:	1.00 uL	Operator:	MZ

$ 8 Phenol-d5, Number: 1, m/z: 99 Type: quant, RT: 7.14

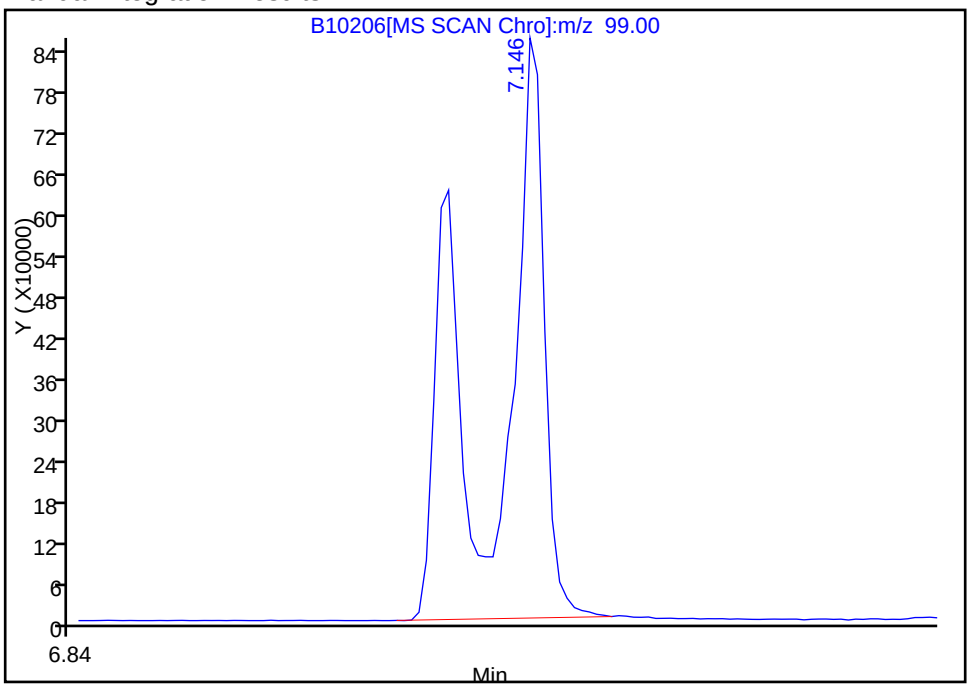
Processing Integration Results

RT: 7.15
Response: 1076884
Amount: 4.995130



Manual Integration Results

RT: 7.15
Response: 1826891
Amount: 8.474040

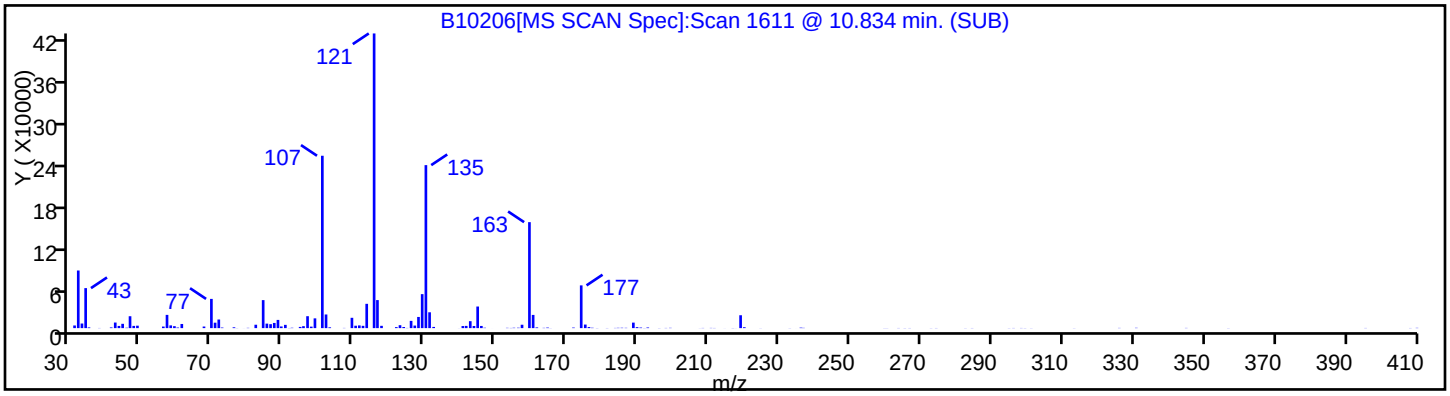


Reviewer: sullivanp, 14-Sep-2009 13:42:53
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 14-Sep-2009 13:42:57 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D		
Inj Date:	11-Sep-2009 23:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	13
Client ID:	OC-SB-443-18/20-XXX	Instrument:	Inst. B
Sample Info:	24244-5		
Sample Amount:	1.00 uL	Operator:	MZ

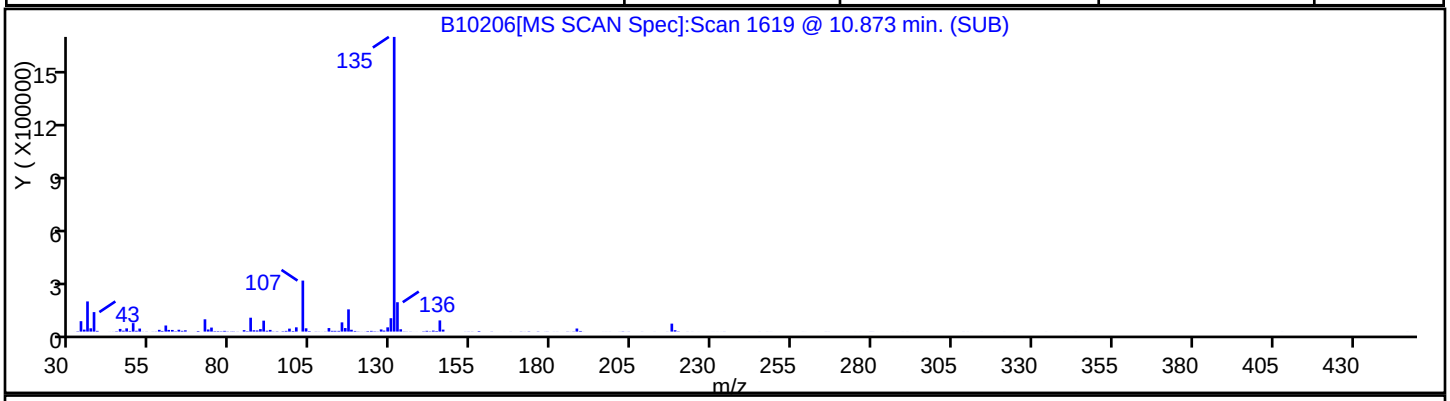
No Library Matches Found above the Threshold: 50

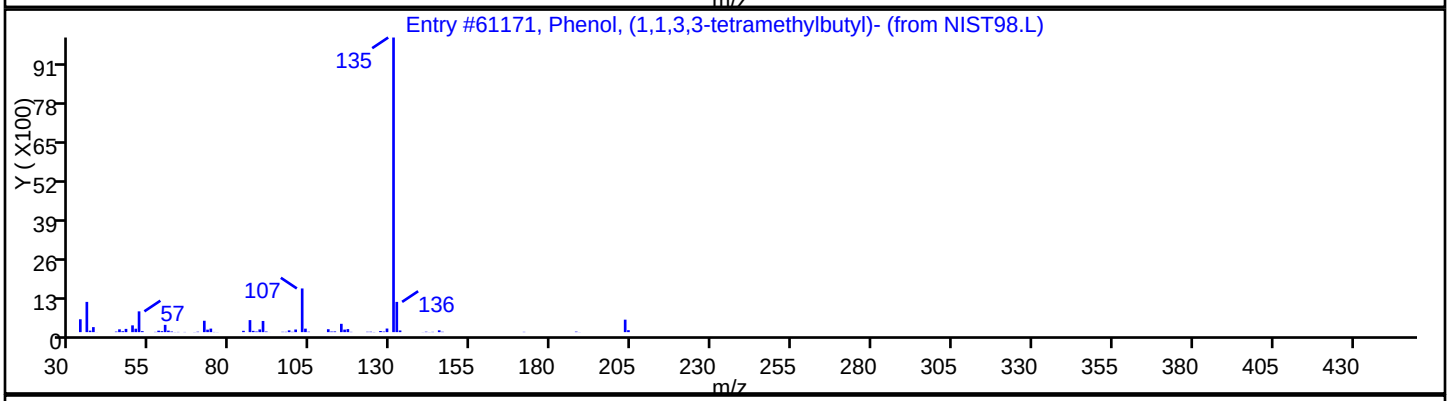


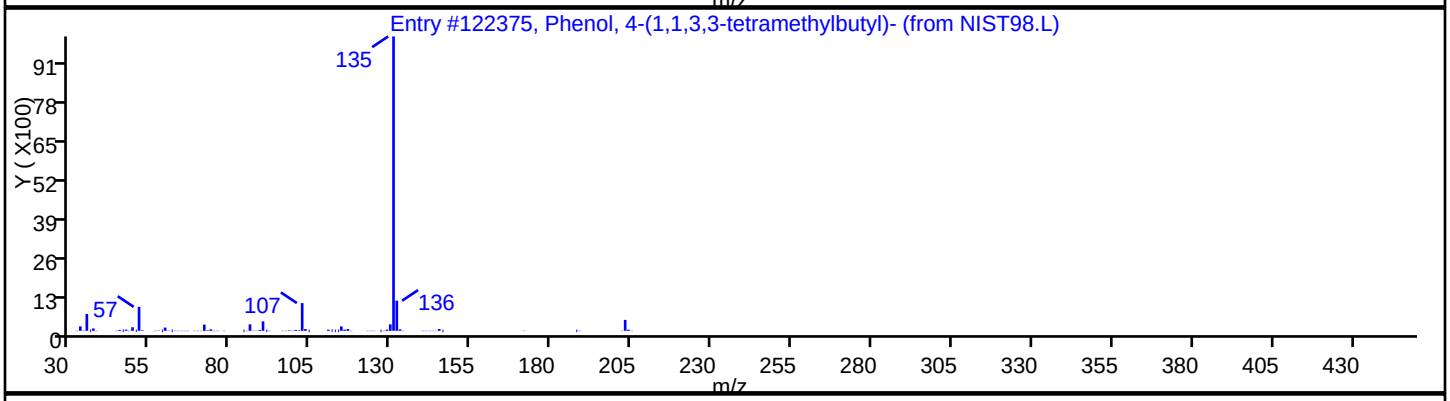
Report Date: 14-Sep-2009 13:42:57 Chrom Revision: 1.0.2009.910

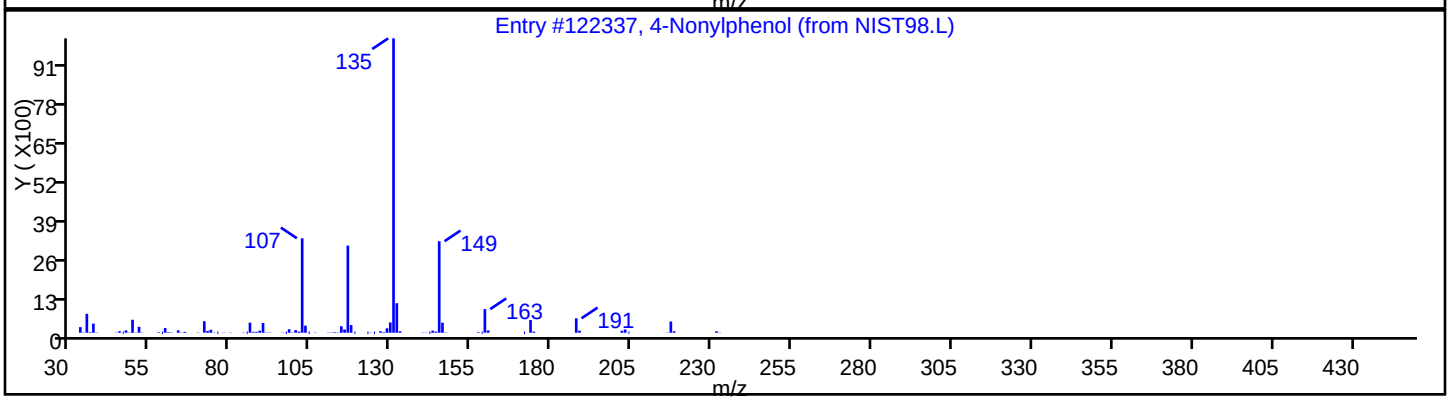
Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D		
Inj Date:	11-Sep-2009 23:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	13
Client ID:	OC-SB-443-18/20-XXX	Instrument:	Inst. B
Sample Info:	24244-5		
Sample Amount:	1.00 uL	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	NIST98.L	61171	83
Phenol, 4-(1,1,3,3-tetramethylbutyl)-	140-66-9	NIST98.L	122375	72
4-Nonylphenol	104-40-5	NIST98.L	122337	72





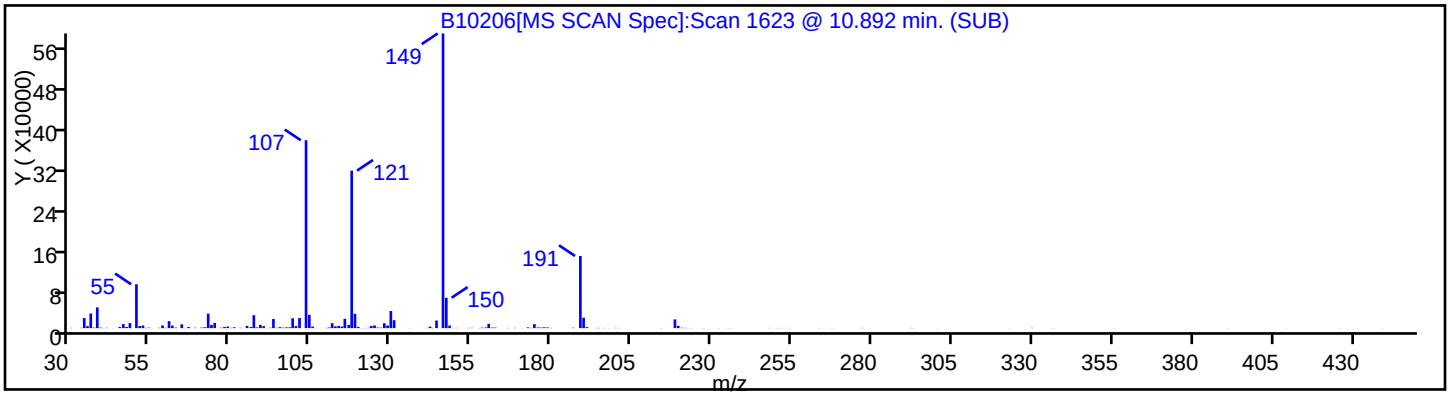




Report Date: 14-Sep-2009 13:42:57 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D		
Inj Date:	11-Sep-2009 23:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	13
Client ID:	OC-SB-443-18/20-XXX	Instrument:	Inst. B
Sample Info:	24244-5		
Sample Amount:	1.00 uL	Operator:	MZ

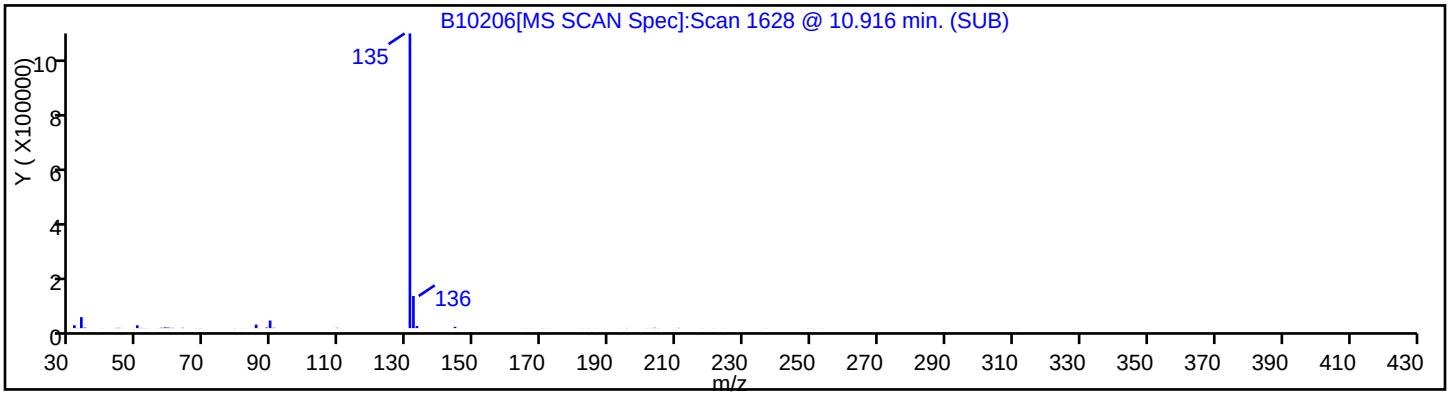
No Library Matches Found above the Threshold: 50



Report Date: 14-Sep-2009 13:42:57 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D		
Inj Date:	11-Sep-2009 23:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	13
Client ID:	OC-SB-443-18/20-XXX	Instrument:	Inst. B
Sample Info:	24244-5		
Sample Amount:	1.00 uL	Operator:	MZ

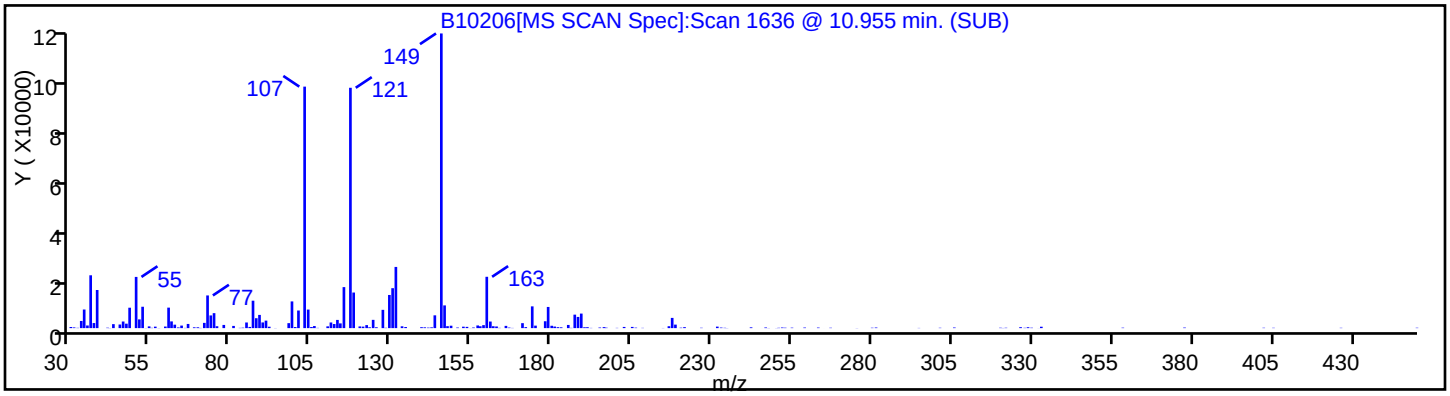
No Library Matches Found above the Threshold: 50



Report Date: 14-Sep-2009 13:42:57 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D		
Inj Date:	11-Sep-2009 23:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	13
Client ID:	OC-SB-443-18/20-XXX	Instrument:	Inst. B
Sample Info:	24244-5		
Sample Amount:	1.00 uL	Operator:	MZ

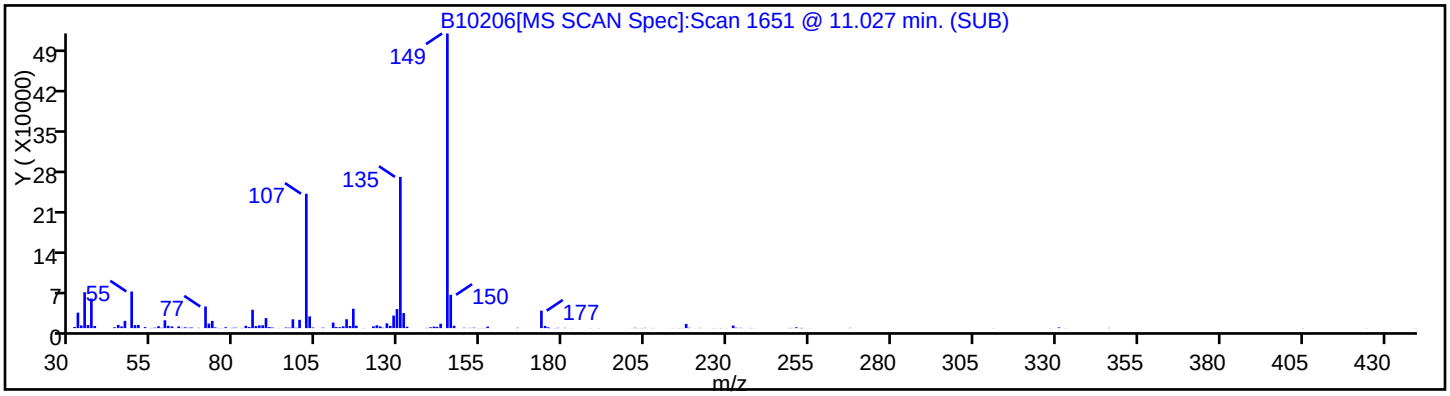
No Library Matches Found above the Threshold: 50



Report Date: 14-Sep-2009 13:42:57 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D		
Inj Date:	11-Sep-2009 23:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	13
Client ID:	OC-SB-443-18/20-XXX	Instrument:	Inst. B
Sample Info:	24244-5		
Sample Amount:	1.00 uL	Operator:	MZ

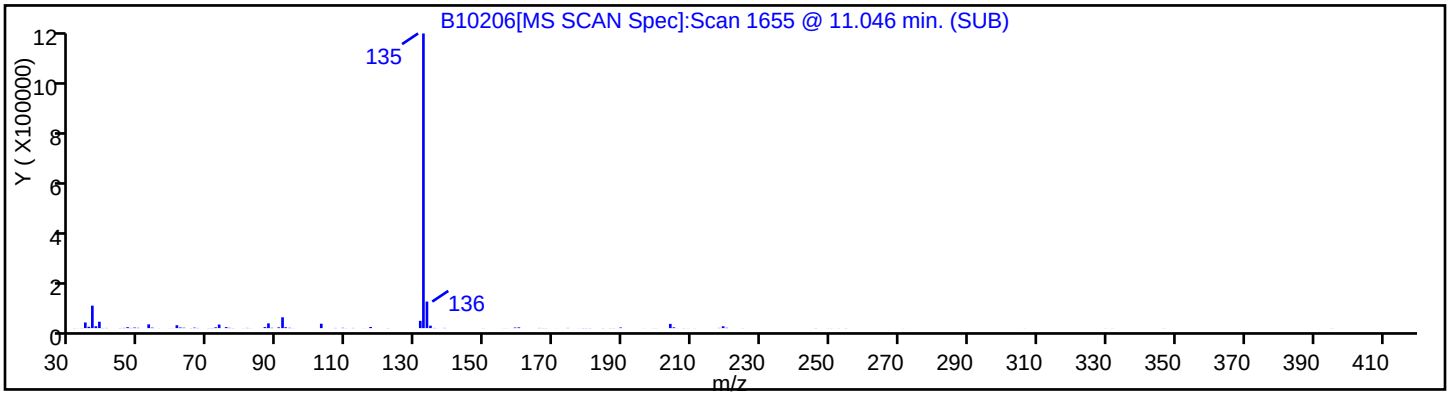
No Library Matches Found above the Threshold: 50



Report Date: 14-Sep-2009 13:42:57 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10206.D		
Inj Date:	11-Sep-2009 23:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	13
Client ID:	OC-SB-443-18/20-XXX	Instrument:	Inst. B
Sample Info:	24244-5		
Sample Amount:	1.00 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.: 360-24244-2

SDG No.: OCRI-04A

Client Sample ID: OC-SB-445-25/27-XXX | Lab Sample ID: 360-24244-8

Matrix: Solid | Lab File ID: B10210.D

Analysis Method: 8270C LL | Date Collected: 08/21/2009 10:15

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

Sample wt/vol: 30.13(g) | Date Analyzed: 09/12/2009 02:01

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

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

% Moisture: 8.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48845 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		36	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		36	2.4
120-82-1	1,2,4-Trichlorobenzene	ND		36	7.1
95-50-1	1,2-Dichlorobenzene	ND		36	3.9
541-73-1	1,3-Dichlorobenzene	ND		36	11
106-46-7	1,4-Dichlorobenzene	ND		36	6.5
90-12-0	1-Methylnaphthalene	ND		36	2.2
108-60-1	2,2'-oxybis[1-chloropropane]	ND		36	3.7
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	7.6
120-83-2	2,4-Dichlorophenol	ND		36	7.0
105-67-9	2,4-Dimethylphenol	ND		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	5.6
95-57-8	2-Chlorophenol	ND		36	3.5
91-57-6	2-Methylnaphthalene	ND		36	28
95-48-7	2-Methylphenol	ND		36	5.2
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	6.9
91-94-1	3,3'-Dichlorobenzidine	ND	*	73	26
99-09-2	3-Nitroaniline	ND		180	10
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	9.3
101-55-3	4-Bromophenyl phenyl ether	ND		36	7.5
59-50-7	4-Chloro-3-methylphenol	ND		73	10
106-47-8	4-Chloroaniline	ND		73	15
7005-72-3	4-Chlorophenyl phenyl ether	ND		36	5.8
100-01-6	4-Nitroaniline	ND		180	9.7
100-02-7	4-Nitrophenol	ND		180	7.1
83-32-9	Acenaphthene	ND		36	5.3
208-96-8	Acenaphthylene	ND		36	6.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24244-2

SDG No.: OCRI-04A

Client Sample ID: OC-SB-445-25/27-XXX | Lab Sample ID: 360-24244-8

Matrix: Solid | Lab File ID: B10210.D

Analysis Method: 8270C LL | Date Collected: 08/21/2009 10:15

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

Sample wt/vol: 30.13(g) | Date Analyzed: 09/12/2009 02:01

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

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

% Moisture: 8.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48845 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		36	3.9
62-53-3	Aniline	ND	*	36	19
120-12-7	Anthracene	ND		36	11
1912-24-9	Atrazine	ND		36	11
103-33-3	Azobenzene	ND		36	4.5
100-52-7	Benzaldehyde	ND		36	11
56-55-3	Benzo[a]anthracene	ND		36	7.0
50-32-8	Benzo[a]pyrene	ND		36	6.6
205-99-2	Benzo[b]fluoranthene	ND		36	8.3
191-24-2	Benzo[g,h,i]perylene	ND		36	7.1
207-08-9	Benzo[k]fluoranthene	ND		36	10
65-85-0	Benzoic acid	ND		180	16
119-61-9	Benzophenone	ND		36	2.2
100-51-6	Benzyl alcohol	ND		73	8.4
111-91-1	Bis(2-chloroethoxy)methane	ND		36	6.5
111-44-4	Bis(2-chloroethyl)ether	ND	*	36	8.8
117-81-7	Bis(2-ethylhexyl) phthalate	18	J	36	12
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	ND		36	21
84-66-2	Diethyl phthalate	ND		36	5.1
131-11-3	Dimethyl phthalate	ND		36	5.3
84-74-2	Di-n-butyl phthalate	21	J	36	11
117-84-0	Di-n-octyl phthalate	ND		36	10
101-84-8	Diphenyl oxide	ND		36	11
206-44-0	Fluoranthene	ND		36	23
86-73-7	Fluorene	ND		36	14
118-74-1	Hexachlorobenzene	ND		36	8.6
87-68-3	Hexachlorobutadiene	ND		36	7.2
77-47-4	Hexachlorocyclopentadiene	ND		73	9.9
67-72-1	Hexachloroethane	ND		36	6.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24244-2

SDG No.: OCRI-04A

Client Sample ID: OC-SB-445-25/27-XXX | Lab Sample ID: 360-24244-8

Matrix: Solid | Lab File ID: B10210.D

Analysis Method: 8270C LL | Date Collected: 08/21/2009 10:15

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

Sample wt/vol: 30.13(g) | Date Analyzed: 09/12/2009 02:01

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

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

% Moisture: 8.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48845 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		36	11
78-59-1	Isophorone	ND		36	7.8
91-20-3	Naphthalene	ND		87	80
98-95-3	Nitrobenzene	ND		36	4.9
62-75-9	N-Nitrosodimethylamine	ND		36	4.2
621-64-7	N-Nitrosodi-n-propylamine	ND		36	4.1
86-30-6	N-Nitrosodiphenylamine	ND		36	7.3
87-86-5	Pentachlorophenol	ND		36	7.5
85-01-8	Phenanthrene	ND		44	42
108-95-2	Phenol	ND		36	4.5
129-00-0	Pyrene	ND		36	9.6

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	66	30-130	
321-60-8	2-Fluorobiphenyl	64	30-130	
367-12-4	2-Fluorophenol	76	30-130	
4165-60-0	Nitrobenzene-d5	63	30-130	
4165-62-2	Phenol-d5	73	30-130	
1718-51-0	Terphenyl-d14	68	30-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Client Sample ID: OC-SB-445-25/27-XXX Lab Sample ID: 360-24244-8

Matrix: Solid Lab File ID: B10210.D

Analysis Method: 8270C LL Date Collected: 08/21/2009 10:15

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

Sample wt/vol: 30.13(g) Date Analyzed: 09/12/2009 02:01

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

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

% Moisture: 8.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 48845 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10210.D		
Lims ID:	360-24244-A-8-A	Client ID:	OC-SB-445-25/27-XXX
Inject. Date:	12-Sep-2009 02:01:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24244-8		
Misc. Info.:	360-0001141-017		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	27
Lims Batch ID:	48845	Lims Sample ID:	17
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\8270B.m		
Last Update:	15-Sep-2009 18:05:55	Calib Date:	11-Sep-2009 15:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10192.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	14-Sep-2009 13:55:41
Reviewed By:	sullivanp	Date:	14-Oct-2009 16:40:23

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.454	7.450	0.004	629309	2.00	M
* 2 Naphthalene-d8	136	8.584	8.585	-0.001	1523483	2.00	M
* 3 Acenaphthene-d10	164	10.089	10.090	-0.001	731442	2.00	M
* 4 Phenanthrene-d10	188	11.335	11.331	0.005	1007415	2.00	
* 5 Chrysene-d12	240	14.480	14.471	0.009	637256	2.00	
* 6 Perylene-d12	264	16.932	16.923	0.009	376797	2.00	
$ 7 2-Fluorophenol	112	6.233	6.238	-0.005	1300042	7.65	M
$ 8 Phenol-d5	99	7.151	7.137	0.014	1530627	7.33	M
$ 9 Nitrobenzene-d5	82	7.974	7.969	0.005	675683	3.16	M
$ 10 2-Fluorobiphenyl	172	9.493	9.494	-0.001	1496192	3.19	M
$ 11 2,4,6-Tribromophenol	330	10.763	10.758	0.005	249806	6.57	
$ 12 Terphenyl-d14	244	12.768	12.764	0.004	1069863	3.42	
66 Diethyl phthalate	149	10.416	10.422	-0.006	12675	0.0280	
84 Di-n-butyl phthalate	149	11.763	11.758	0.005	395274	0.5724	
92 Bis(2-ethylhexyl) phthalate	149	14.393	14.389	0.004	180974	0.5049	
95 Di-n-octyl phthalate	149	15.629	15.630	-0.001	343	0.1991	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

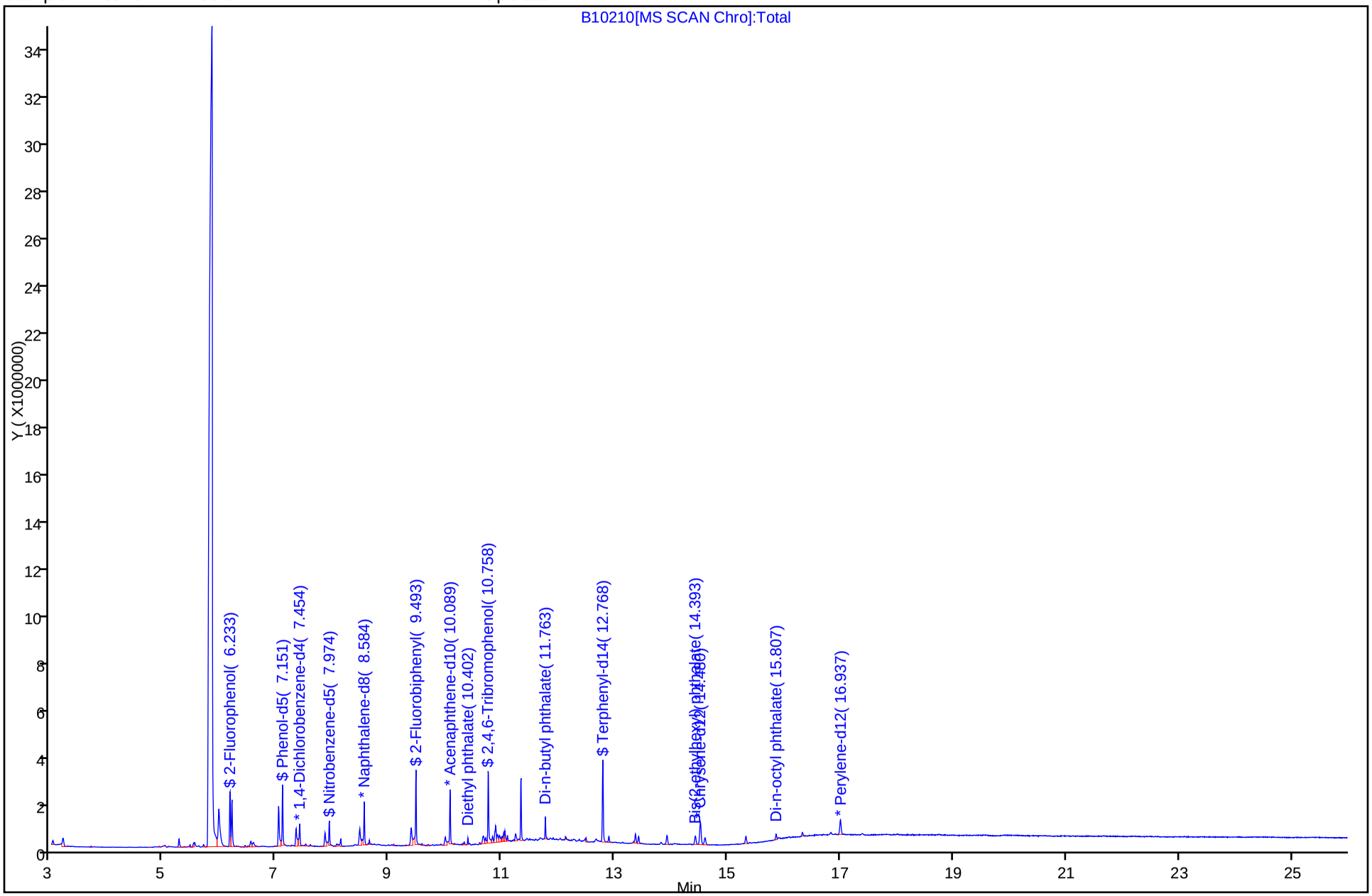
Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10210.D		
Lims ID:	360-24244-A-8-A	Client ID:	OC-SB-445-25/27-XXX
Inject. Date:	12-Sep-2009 02:01:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24244-8		
Misc. Info.:	360-0001141-017		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	27
Lims Batch ID:	48845	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\8270B.m		
Last Update:	15-Sep-2009 18:05:55	Calib Date:	11-Sep-2009 15:48:30
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:	14-Sep-2009 13:55:41
Reviewed By:	sullivanp	Date:	14-Oct-2009 16:40:23

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Pentachloronitrobenzene	11.301	596	0.0170	
Alpha-Terpineol	8.546	3792	0.0228	
Benzidine	12.523	277	0.4234	

Report Date: 14-Oct-2009 16:40:25 Chrom Revision: 1.1 01-Oct-2009 08:19:20

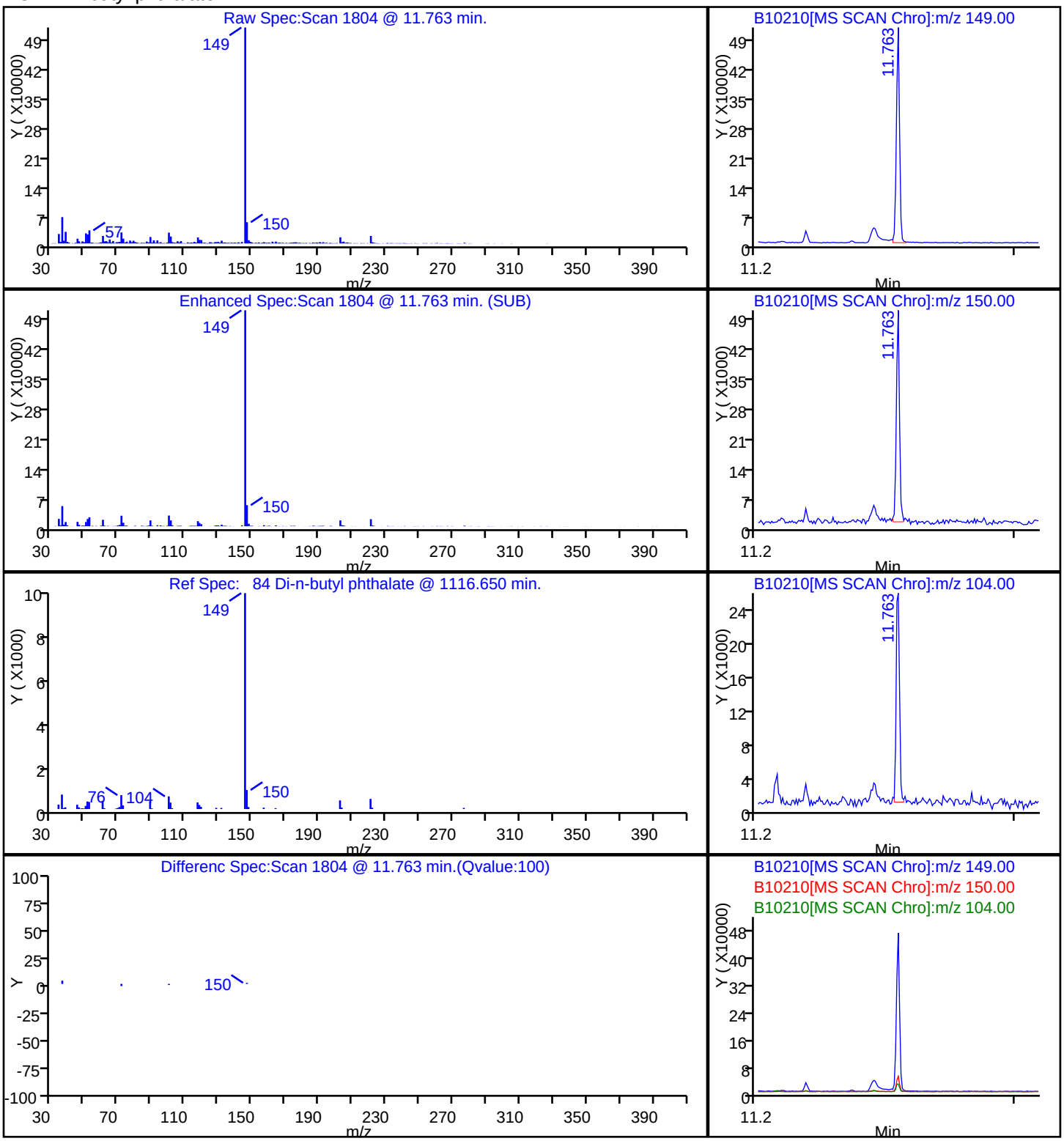
Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10210.D		
Inj Date:	12-Sep-2009 02:01:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	17
Client ID:	OC-SB-445-25/27-XXX	Instrument:	Inst. B
Sample Info:	24244-8		
Sample Amount:	1.00 uL	Operator:	MZ



Report Date: 14-Oct-2009 16:40:27 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10210.D		
Inj Date:	12-Sep-2009 02:01:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	17
Client ID:	OC-SB-445-25/27-XXX	Instrument:	Inst. B
Sample Info:	24244-8		
Sample Amount:	1.00 uL	Operator:	MZ

84 Di-n-butyl phthalate



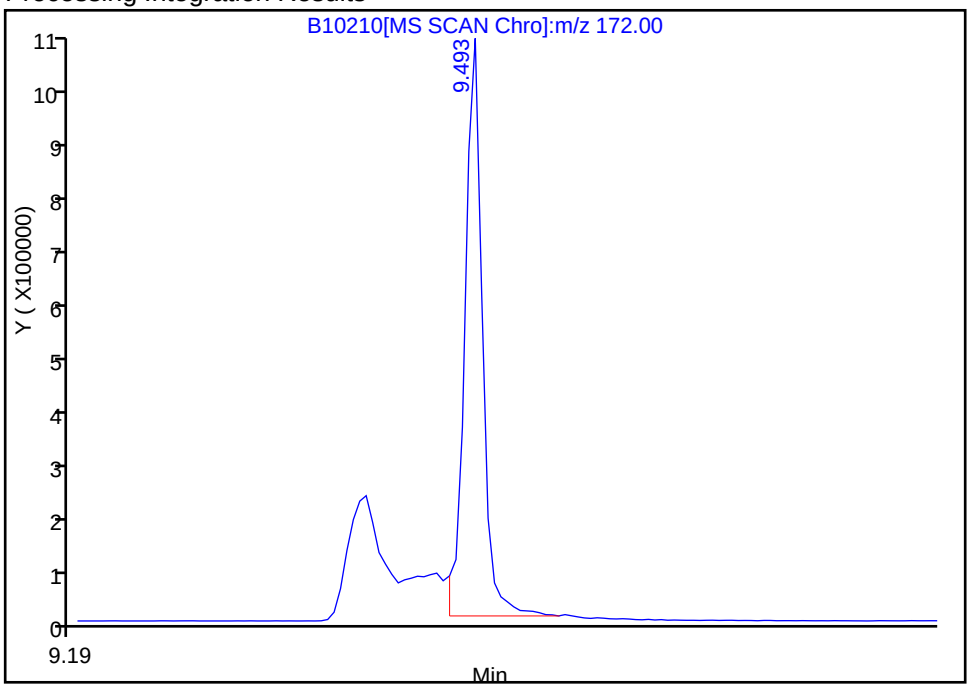
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10210.D		
Inj Date:	12-Sep-2009 02:01:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	17
Client ID:	OC-SB-445-25/27-XXX	Instrument:	Inst. B
Sample Info:	24244-8		
Sample Amount:	1.00 uL	Operator:	MZ

$ 10 2-Fluorobiphenyl, Number: 1, m/z: 172 Type: quant, RT: 9.49

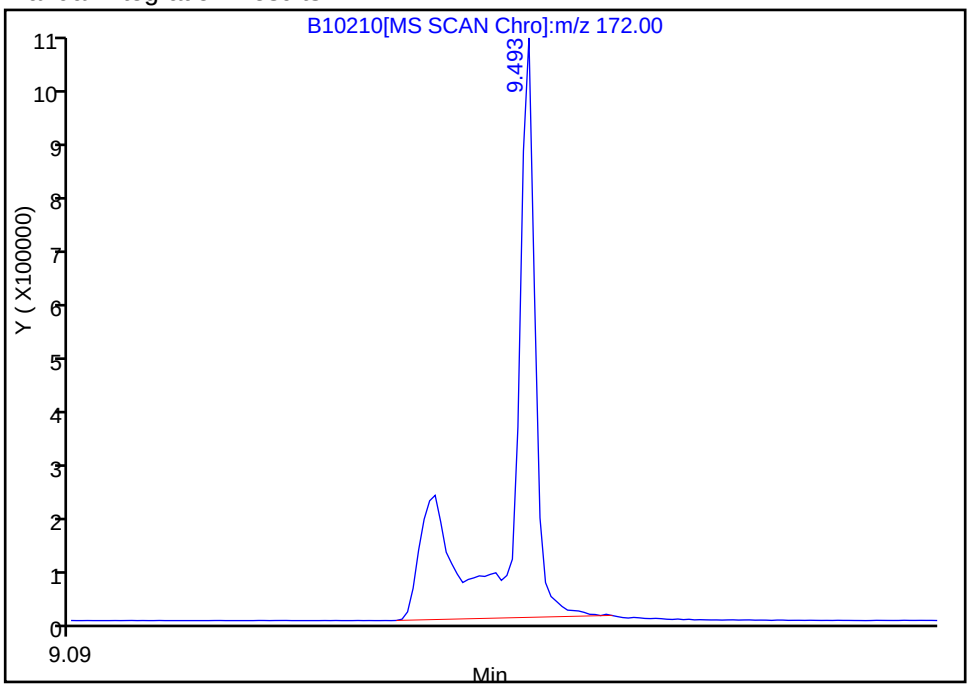
Processing Integration Results

RT: 9.49
Response: 946456
Amount: 2.016739



Manual Integration Results

RT: 9.49
Response: 1496192
Amount: 3.188133



Reviewer: sullivanp, 14-Sep-2009 13:55:41
Audit Action: Manually Integrated
Audit Reason: Split Peak

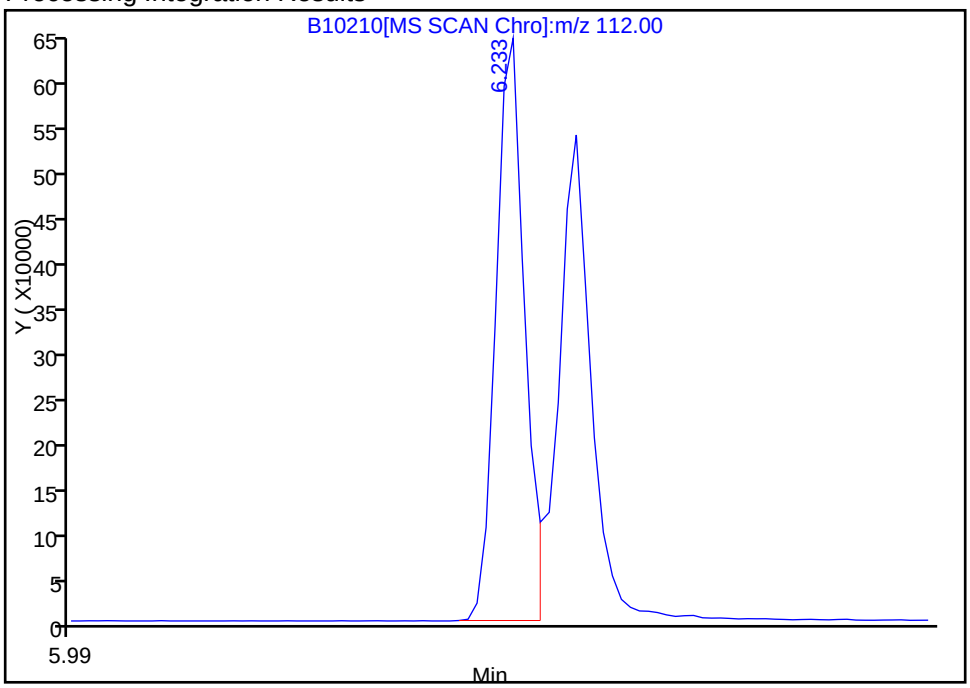
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10210.D		
Inj Date:	12-Sep-2009 02:01:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	17
Client ID:	OC-SB-445-25/27-XXX	Instrument:	Inst. B
Sample Info:	24244-8		
Sample Amount:	1.00 uL	Operator:	MZ

$ 7 2-Fluorophenol, Number: 1, m/z: 112 Type: quant, RT: 6.24

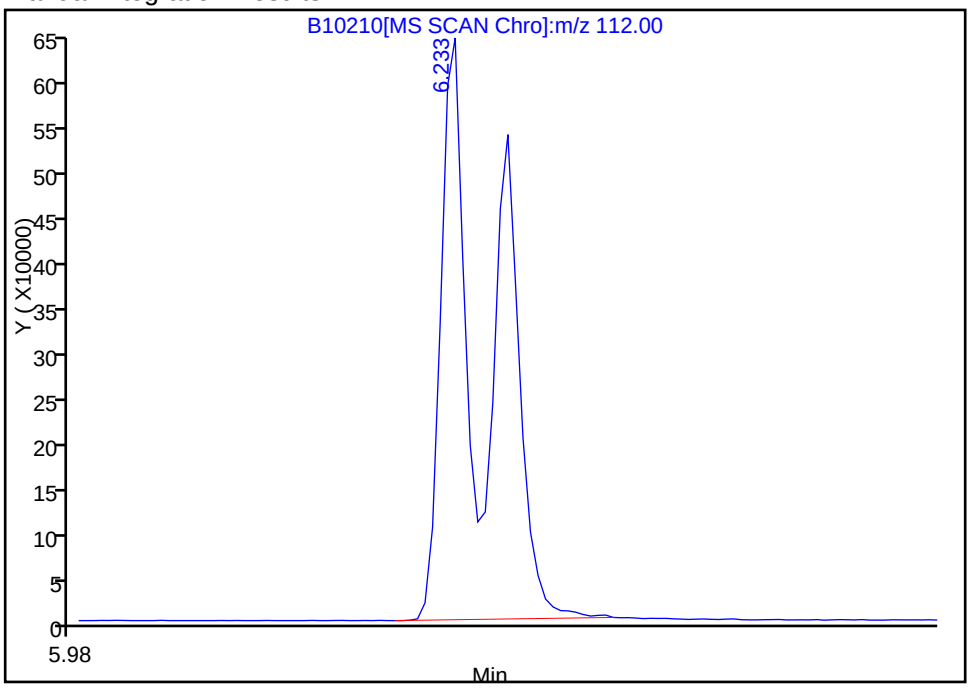
Processing Integration Results

RT: 6.23
Response: 687328
Amount: 4.042657



Manual Integration Results

RT: 6.23
Response: 1300042
Amount: 7.646457



Reviewer: sullivanp, 14-Sep-2009 13:55:41
Audit Action: Manually Integrated
Audit Reason: Split Peak

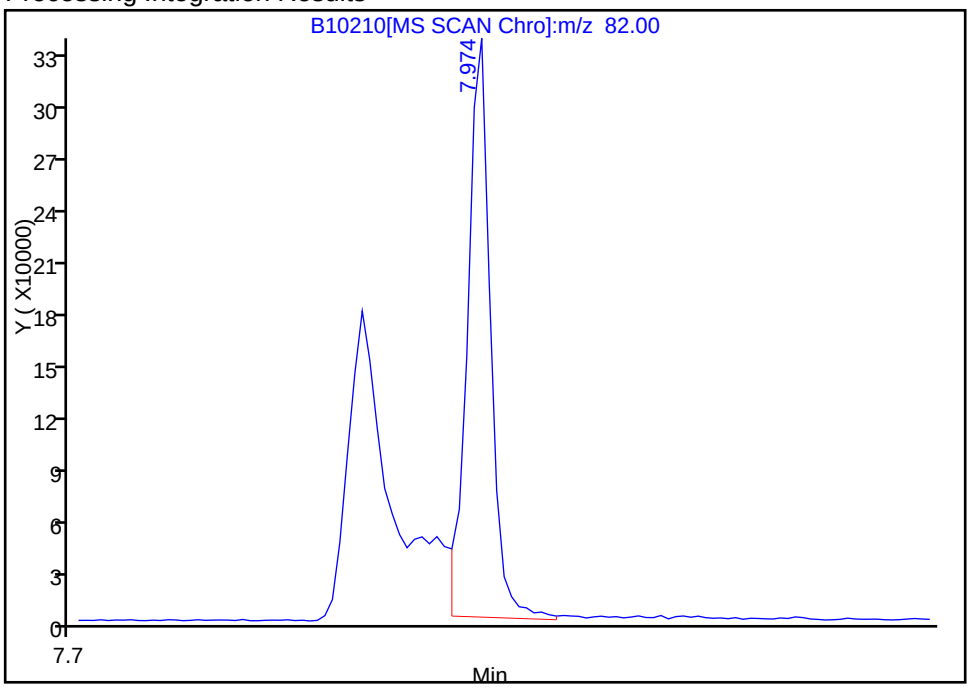
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10210.D		
Inj Date:	12-Sep-2009 02:01:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	17
Client ID:	OC-SB-445-25/27-XXX	Instrument:	Inst. B
Sample Info:	24244-8		
Sample Amount:	1.00 uL	Operator:	MZ

$ 9 Nitrobenzene-d5, Number: 1, m/z: 82 Type: quant, RT: 7.97

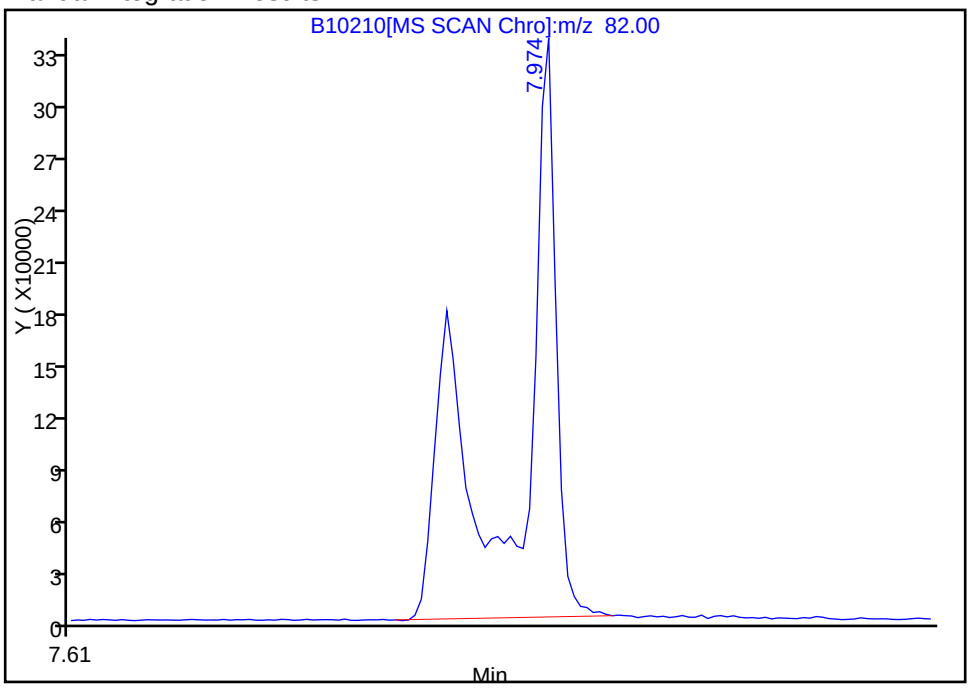
Processing Integration Results

RT: 7.97
Response: 342726
Amount: 1.601028



Manual Integration Results

RT: 7.97
Response: 675683
Amount: 3.156421



Reviewer: sullivanp, 14-Sep-2009 13:55:41
Audit Action: Manually Integrated
Audit Reason: Split Peak

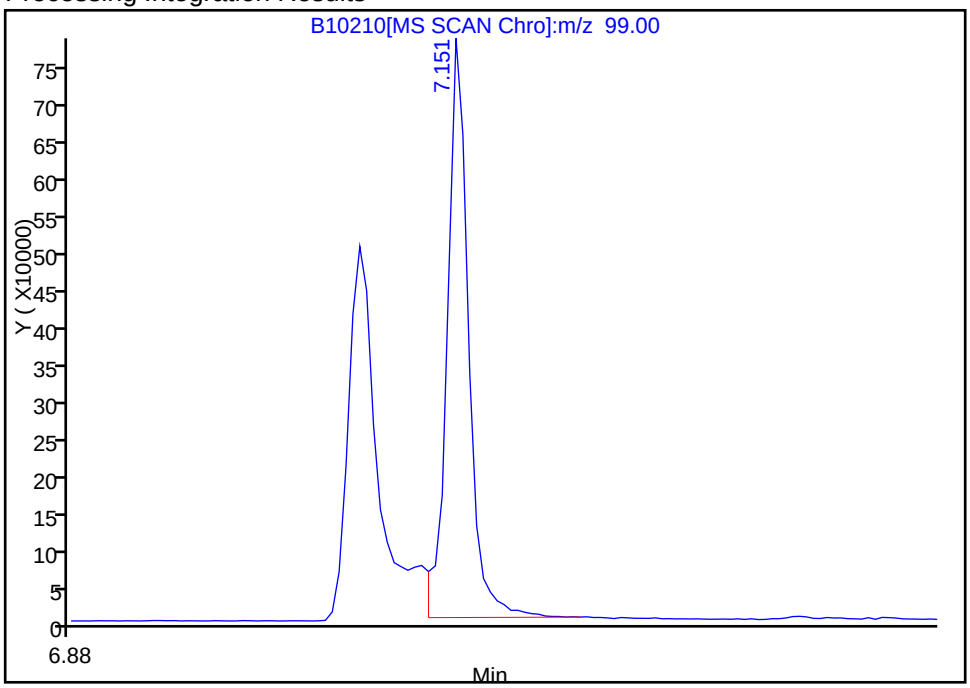
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10210.D		
Inj Date:	12-Sep-2009 02:01:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	17
Client ID:	OC-SB-445-25/27-XXX	Instrument:	Inst. B
Sample Info:	24244-8		
Sample Amount:	1.00 uL	Operator:	MZ

$ 8 Phenol-d5, Number: 1, m/z: 99 Type: quant, RT: 7.14

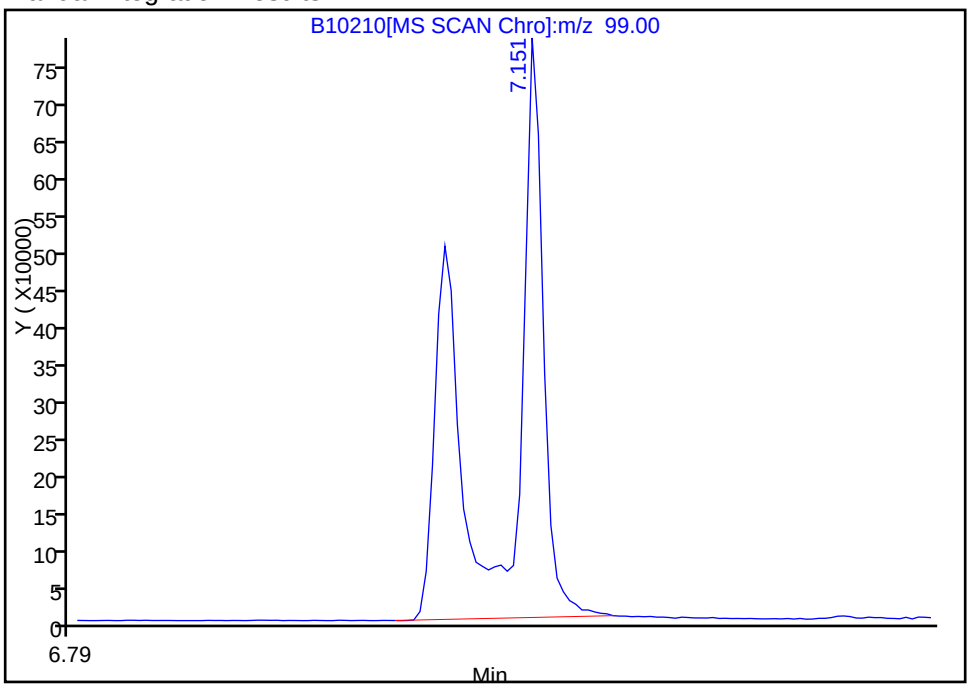
Processing Integration Results

RT: 7.15
Response: 811550
Amount: 3.885466



Manual Integration Results

RT: 7.15
Response: 1530627
Amount: 7.328198



Reviewer: sullivanp, 14-Sep-2009 13:55:41
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24244-2

SDG No.: OCRI-04A

Client Sample ID: OC-SB-437-21/23-XXX | Lab Sample ID: 360-24244-11

Matrix: Solid | Lab File ID: B10213.D

Analysis Method: 8270C LL | Date Collected: 08/21/2009 13:10

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

Sample wt/vol: 30.55(g) | Date Analyzed: 09/12/2009 03:43

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

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

% Moisture: 6.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48845 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		35	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		35	2.4
120-82-1	1,2,4-Trichlorobenzene	ND		35	6.8
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	6.3
90-12-0	1-Methylnaphthalene	ND		35	2.1
108-60-1	2,2'-oxybis[1-chloropropane]	ND		35	3.5
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	6.1
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	4.4
91-58-7	2-Chloronaphthalene	ND		35	5.4
95-57-8	2-Chlorophenol	ND		35	3.4
91-57-6	2-Methylnaphthalene	ND		35	27
95-48-7	2-Methylphenol	ND		35	5.0
88-74-4	2-Nitroaniline	ND		180	23
88-75-5	2-Nitrophenol	ND		35	4.1
15831-10-4	3 & 4 Methylphenol	ND		35	6.7
91-94-1	3,3'-Dichlorobenzidine	ND	*	70	26
99-09-2	3-Nitroaniline	ND		180	10
534-52-1	4,6-Dinitro-2-methylphenol	ND		180	9.0
101-55-3	4-Bromophenyl phenyl ether	ND		35	7.3
59-50-7	4-Chloro-3-methylphenol	ND		70	9.7
106-47-8	4-Chloroaniline	ND		70	14
7005-72-3	4-Chlorophenyl phenyl ether	ND		35	5.6
100-01-6	4-Nitroaniline	ND		180	9.4
100-02-7	4-Nitrophenol	ND		180	6.8
83-32-9	Acenaphthene	ND		35	5.2
208-96-8	Acenaphthylene	ND		35	6.2

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Matrix: Solid | Lab File ID: B10213.D

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

Sample wt/vol: 30.55(g) | Date Analyzed: 09/12/2009 03:43

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

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

% Moisture: 6.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48845 | 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	6.7
50-32-8	Benzo[a]pyrene	ND		35	6.4
205-99-2	Benzo[b]fluoranthene	ND		35	8.1
191-24-2	Benzo[g,h,i]perylene	ND		35	6.8
207-08-9	Benzo[k]fluoranthene	ND		35	9.7
65-85-0	Benzoic acid	ND	*	180	15
119-61-9	Benzophenone	ND		35	2.1
100-51-6	Benzyl alcohol	ND		70	8.1
111-91-1	Bis(2-chloroethoxy)methane	ND		35	6.3
111-44-4	Bis(2-chloroethyl)ether	ND	*	35	8.5
117-81-7	Bis(2-ethylhexyl) phthalate	ND		35	11
85-68-7	Butyl benzyl phthalate	ND		35	7.7
105-60-2	Caprolactam	ND		35	11
86-74-8	Carbazole	ND		35	35
218-01-9	Chrysene	ND		35	7.6
53-70-3	Dibenz(a,h)anthracene	ND		35	7.1
132-64-9	Dibenzofuran	ND		35	20
84-66-2	Diethyl phthalate	ND		35	5.0
131-11-3	Dimethyl phthalate	ND		35	5.2
84-74-2	Di-n-butyl phthalate	ND		35	11
117-84-0	Di-n-octyl phthalate	ND		35	9.9
101-84-8	Diphenyl oxide	ND		35	11
206-44-0	Fluoranthene	ND		35	22
86-73-7	Fluorene	ND		35	13
118-74-1	Hexachlorobenzene	ND		35	8.3
87-68-3	Hexachlorobutadiene	ND		35	7.0
77-47-4	Hexachlorocyclopentadiene	ND		70	9.6
67-72-1	Hexachloroethane	ND		35	6.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24244-2

SDG No.: OCRI-04A

Client Sample ID: OC-SB-437-21/23-XXX | Lab Sample ID: 360-24244-11

Matrix: Solid | Lab File ID: B10213.D

Analysis Method: 8270C LL | Date Collected: 08/21/2009 13:10

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

Sample wt/vol: 30.55(g) | Date Analyzed: 09/12/2009 03:43

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

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

% Moisture: 6.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48845 | 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	7.5
91-20-3	Naphthalene	ND		84	78
98-95-3	Nitrobenzene	ND		35	4.8
62-75-9	N-Nitrosodimethylamine	ND		35	4.1
621-64-7	N-Nitrosodi-n-propylamine	ND		35	4.0
86-30-6	N-Nitrosodiphenylamine	ND		35	7.0
87-86-5	Pentachlorophenol	ND		35	7.3
85-01-8	Phenanthrene	ND		42	40
108-95-2	Phenol	ND		35	4.4
129-00-0	Pyrene	ND		35	9.3

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	50	30-130	
321-60-8	2-Fluorobiphenyl	56	30-130	
367-12-4	2-Fluorophenol	64	30-130	
4165-60-0	Nitrobenzene-d5	53	30-130	
4165-62-2	Phenol-d5	61	30-130	
1718-51-0	Terphenyl-d14	55	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24244-2

SDG No.: OCRI-04A

Client Sample ID: OC-SB-437-21/23-XXX | Lab Sample ID: 360-24244-11

Matrix: Solid | Lab File ID: B10213.D

Analysis Method: 8270C LL | Date Collected: 08/21/2009 13:10

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

Sample wt/vol: 30.55(g) | Date Analyzed: 09/12/2009 03:43

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

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

% Moisture: 6.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48845 | Units: ug/Kg

Number TICs Found: 2 | TIC Result Total: 113

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	5.92	59	T J
112-84-5	Erucylamide	15.85	54	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10213.D		
Lims ID:	360-24244-A-11-A	Client ID:	OC-SB-437-21/23-XXX
Inject. Date:	12-Sep-2009 03:43:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24244-11		
Misc. Info.:	360-0001141-020		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	30
Lims Batch ID:	48845	Lims Sample ID:	20
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\8270B.m		
Last Update:	14-Sep-2009 14:07:25	Calib Date:	11-Sep-2009 15:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10192.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.448	7.450	-0.002	700466	2.00	M
* 2 Naphthalene-d8	136	8.583	8.585	-0.002	1663286	2.00	M
* 3 Acenaphthene-d10	164	10.093	10.090	0.003	801122	2.00	M
* 4 Phenanthrene-d10	188	11.333	11.331	0.003	1132766	2.00	
* 5 Chrysene-d12	240	14.483	14.471	0.012	704858	2.00	
* 6 Perylene-d12	264	16.936	16.923	0.013	430911	2.00	
$ 7 2-Fluorophenol	112	6.226	6.238	-0.012	1211889	6.40	M
$ 8 Phenol-d5	99	7.154	7.137	0.017	1406801	6.05	M
$ 9 Nitrobenzene-d5	82	7.972	7.969	0.003	615136	2.63	M
$ 10 2-Fluorobiphenyl	172	9.492	9.494	-0.002	1431358	2.78	M
$ 11 2,4,6-Tribromophenol	330	10.761	10.758	0.003	213751	5.02	
$ 12 Terphenyl-d14	244	12.771	12.764	0.007	952480	2.75	
66 Diethyl phthalate	149	10.415	10.422	-0.007	5890	0.0119	
80 Phenanthrene	178	11.353	11.350	0.003	7712	0.0134	
84 Di-n-butyl phthalate	149	11.761	11.758	0.003	84666	0.0919	
85 Pyrene	202	12.406	12.403	0.003	6841	0.0122	
92 Bis(2-ethylhexyl) phthalate	149	14.392	14.389	0.003	24051	0.0607	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10213.D		
Lims ID:	360-24244-A-11-A	Client ID:	OC-SB-437-21/23-XXX
Inject. Date:	12-Sep-2009 03:43:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24244-11		
Misc. Info.:	360-0001141-020		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	30
Lims Batch ID:	48845	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\8270B.m		
Last Update:	14-Sep-2009 14:07:25	Calib Date:	11-Sep-2009 15:48:30
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:	14-Sep-2009 14:07:25

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Alpha-Terpineol	8.515	22486	0.1239	
Benzidine	12.516	832	0.4262	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
5.923	1210784	1.69	1			
	112-84-5	Erucylamide				
15.849	977717	1.55	6	86	19656	

Quantitation Compounds

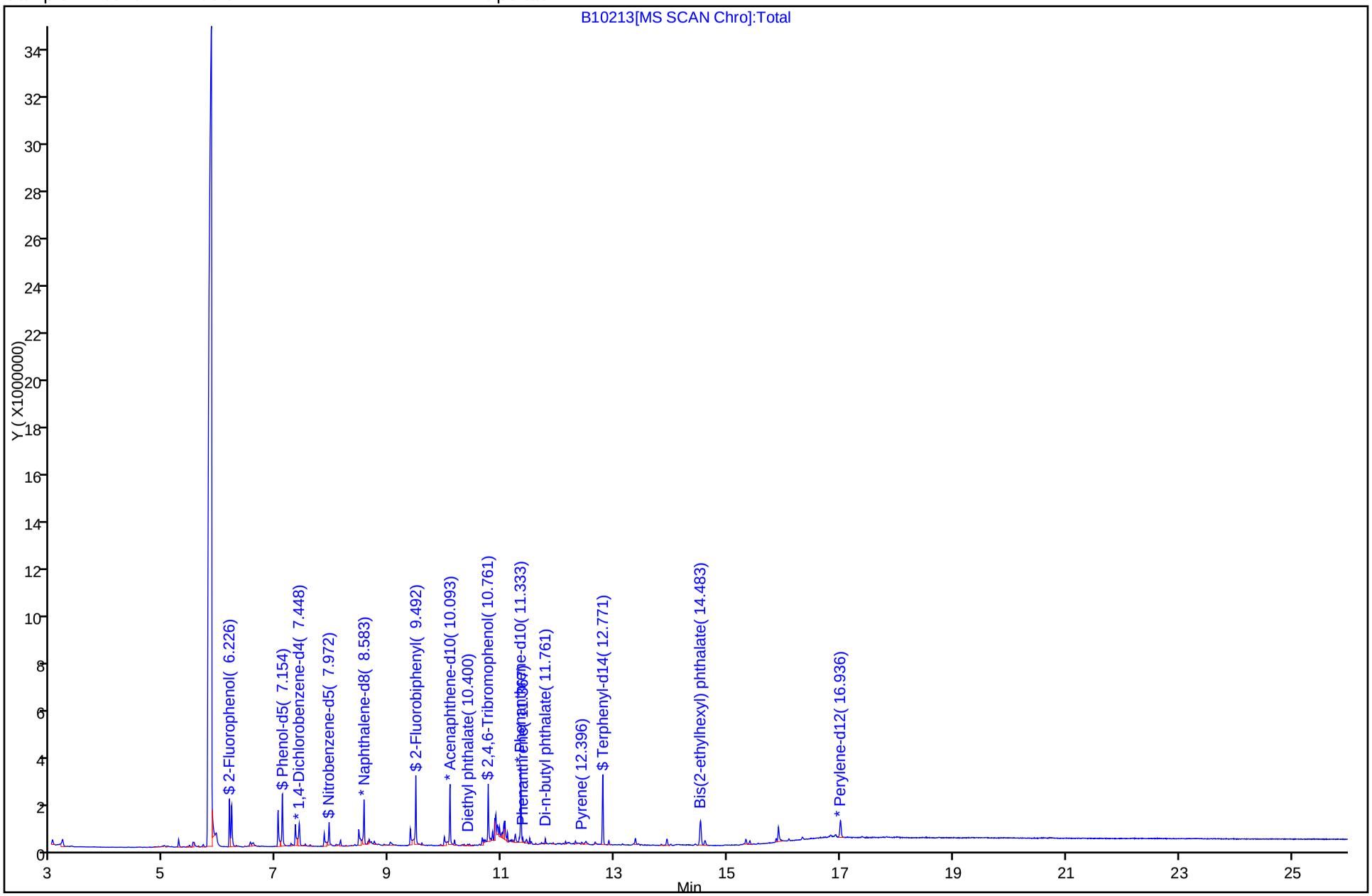
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.448	1431579	2.00
* 6 Perylene-d12	16.936	1260601	2.00

QC Flag Legend

Processing Flags

Report Date: 14-Sep-2009 14:07:26 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10213.D		
Inj Date:	12-Sep-2009 03:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	20
Client ID:	OC-SB-437-21/23-XXX	Instrument:	Inst. B
Sample Info:	24244-11		
Sample Amount:	1.00 uL	Operator:	MZ



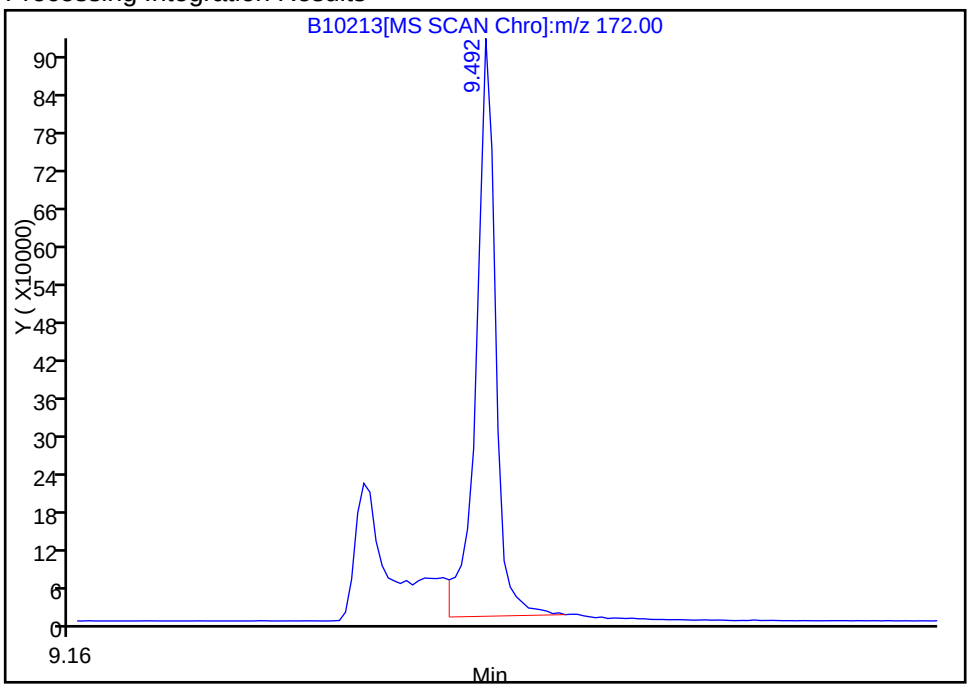
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10213.D		
Inj Date:	12-Sep-2009 03:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	20
Client ID:	OC-SB-437-21/23-XXX	Instrument:	Inst. B
Sample Info:	24244-11		
Sample Amount:	1.00 uL	Operator:	MZ

$ 10 2-Fluorobiphenyl, Number: 1, m/z: 172 Type: quant, RT: 9.49

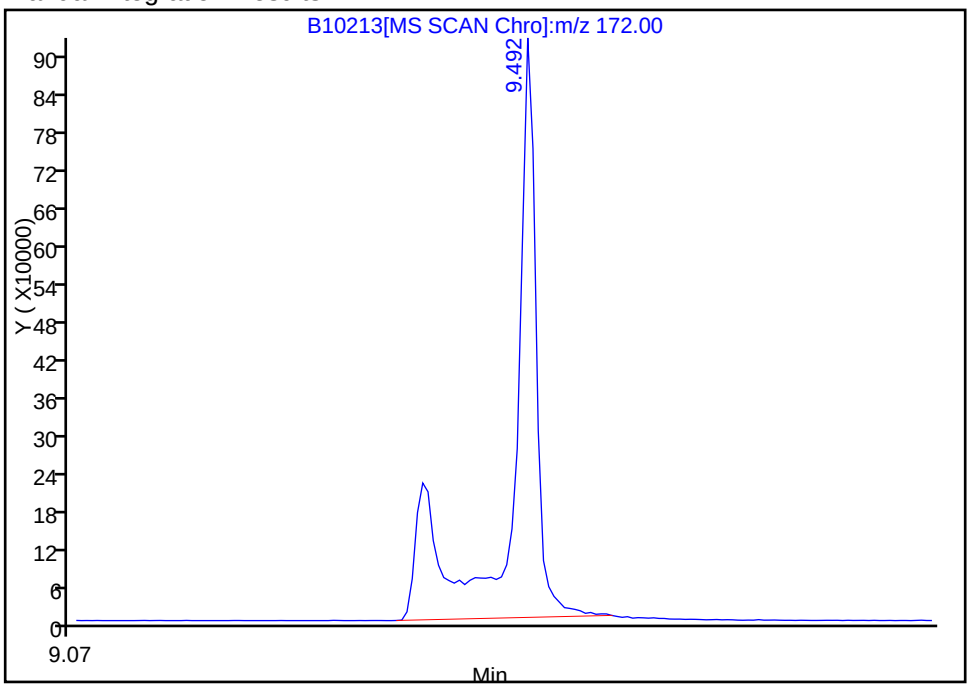
Processing Integration Results

RT: 9.49
Response: 980820
Amount: 1.908182



Manual Integration Results

RT: 9.49
Response: 1431358
Amount: 2.784702



Reviewer: sullivanp, 14-Sep-2009 14:07:25
Audit Action: Manually Integrated
Audit Reason: Split Peak

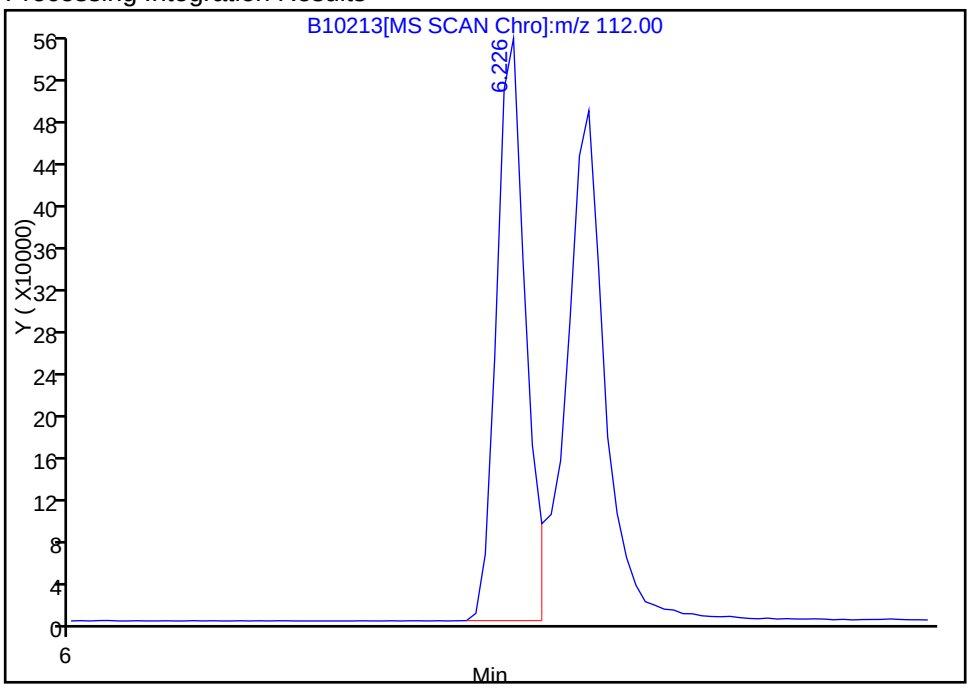
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10213.D		
Inj Date:	12-Sep-2009 03:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	20
Client ID:	OC-SB-437-21/23-XXX	Instrument:	Inst. B
Sample Info:	24244-11		
Sample Amount:	1.00 uL	Operator:	MZ

$ 7 2-Fluorophenol, Number: 1, m/z: 112 Type: quant, RT: 6.24

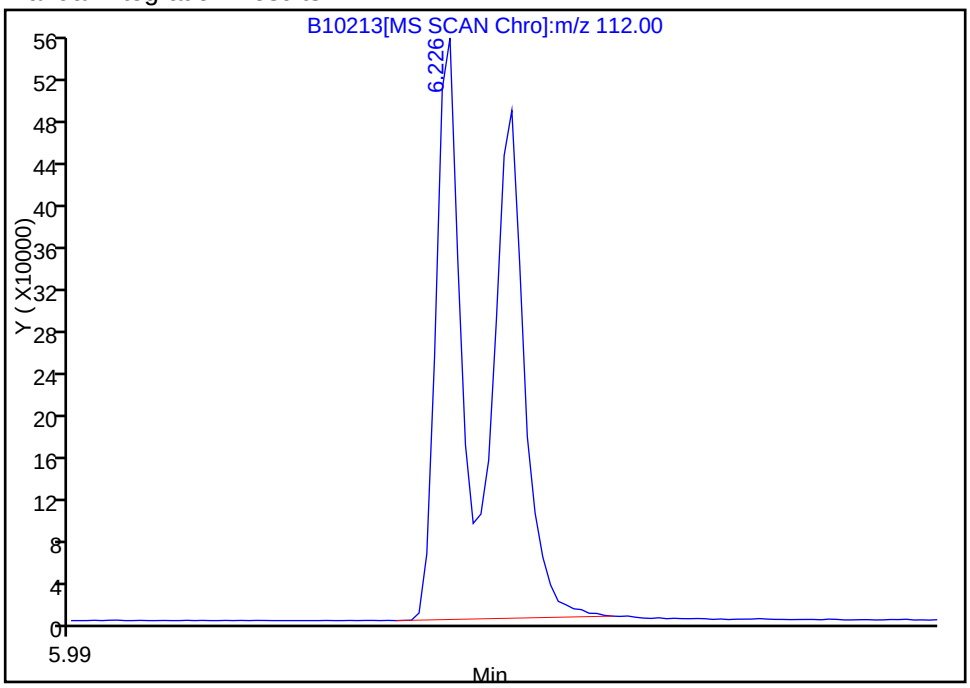
Processing Integration Results

RT: 6.23
Response: 574346
Amount: 3.034963



Manual Integration Results

RT: 6.23
Response: 1211889
Amount: 6.403871



Reviewer: sullivanp, 14-Sep-2009 14:07:25
Audit Action: Manually Integrated
Audit Reason: Split Peak

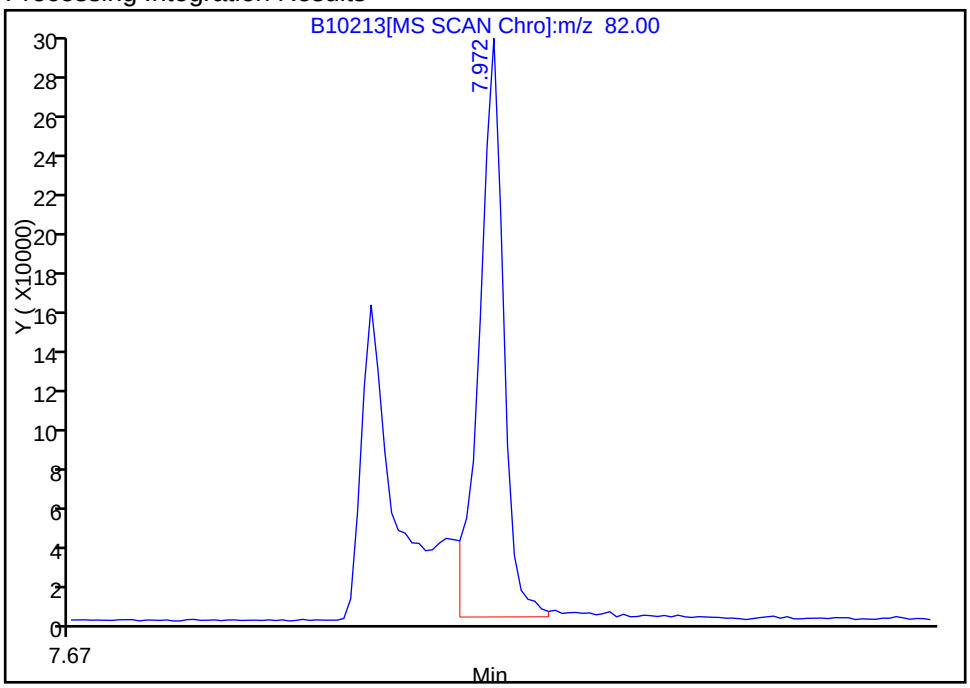
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10213.D		
Inj Date:	12-Sep-2009 03:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	20
Client ID:	OC-SB-437-21/23-XXX	Instrument:	Inst. B
Sample Info:	24244-11		
Sample Amount:	1.00 uL	Operator:	MZ

$ 9 Nitrobenzene-d5, Number: 1, m/z: 82 Type: quant, RT: 7.97

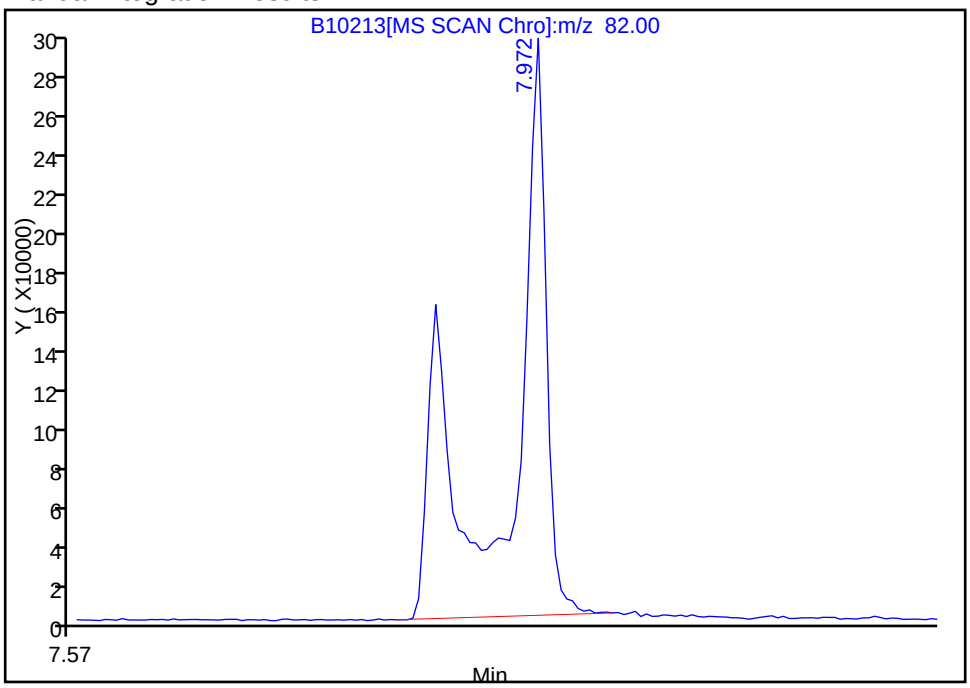
Processing Integration Results

RT: 7.97
Response: 345178
Amount: 1.476950



Manual Integration Results

RT: 7.97
Response: 615136
Amount: 2.632047



Reviewer: sullivanp, 14-Sep-2009 14:07:25
Audit Action: Manually Integrated
Audit Reason: Split Peak

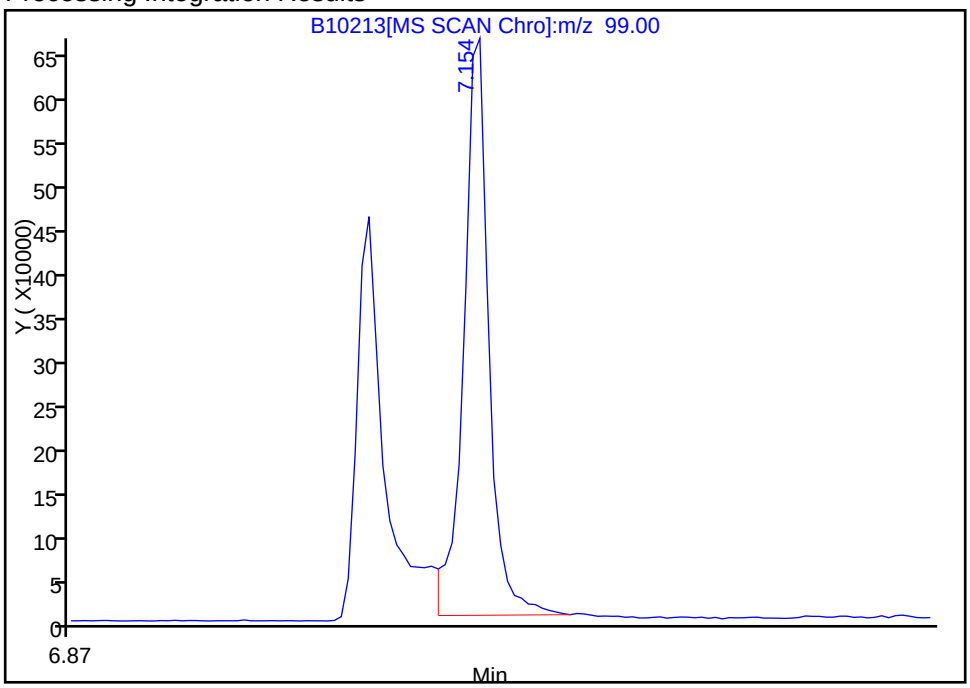
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10213.D		
Inj Date:	12-Sep-2009 03:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	20
Client ID:	OC-SB-437-21/23-XXX	Instrument:	Inst. B
Sample Info:	24244-11		
Sample Amount:	1.00 uL	Operator:	MZ

$ 8 Phenol-d5, Number: 1, m/z: 99 Type: quant, RT: 7.14

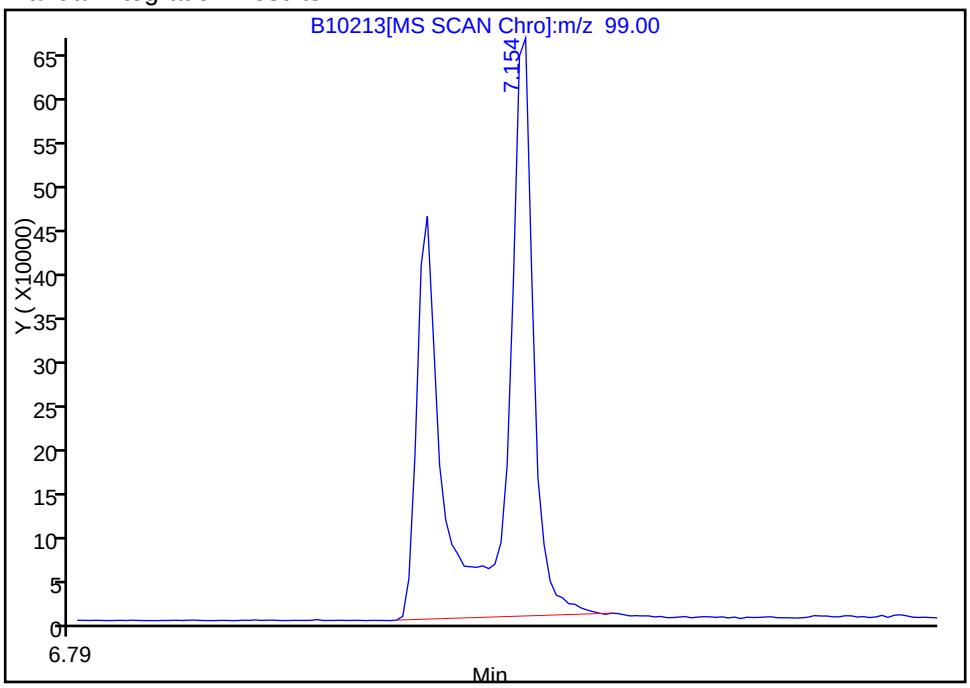
Processing Integration Results

RT: 7.15
Response: 799996
Amount: 3.441062



Manual Integration Results

RT: 7.15
Response: 1406801
Amount: 6.051143

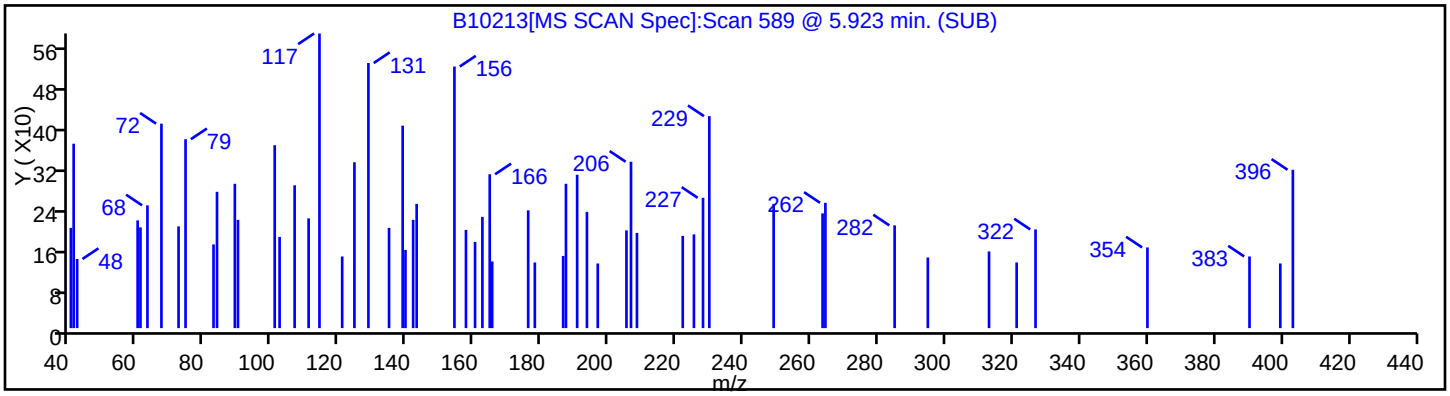


Reviewer: sullivanp, 14-Sep-2009 14:07:25
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 14-Sep-2009 14:07:29 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10213.D		
Inj Date:	12-Sep-2009 03:43:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	20
Client ID:	OC-SB-437-21/23-XXX	Instrument:	Inst. B
Sample Info:	24244-11		
Sample Amount:	1.00 uL	Operator:	MZ

No Library Matches Found above the Threshold: 50



Report Date: 14-Sep-2009 14:07:29 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090911-3.b\B10213.D

Inj Date: 12-Sep-2009 03:43:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48845 Lims Sample ID: 20

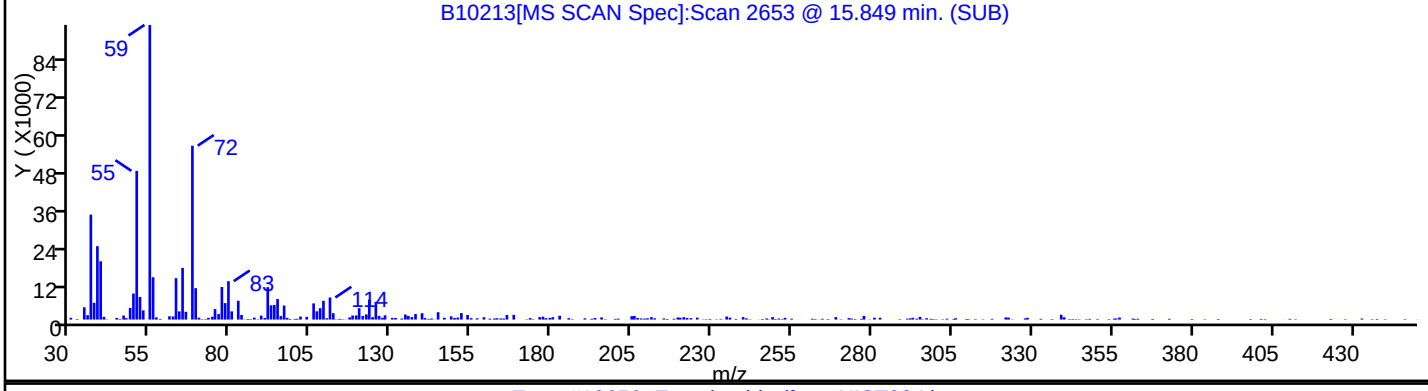
Client ID: OC-SB-437-21/23-XXX Instrument: Inst. B

Sample Info: 24244-11

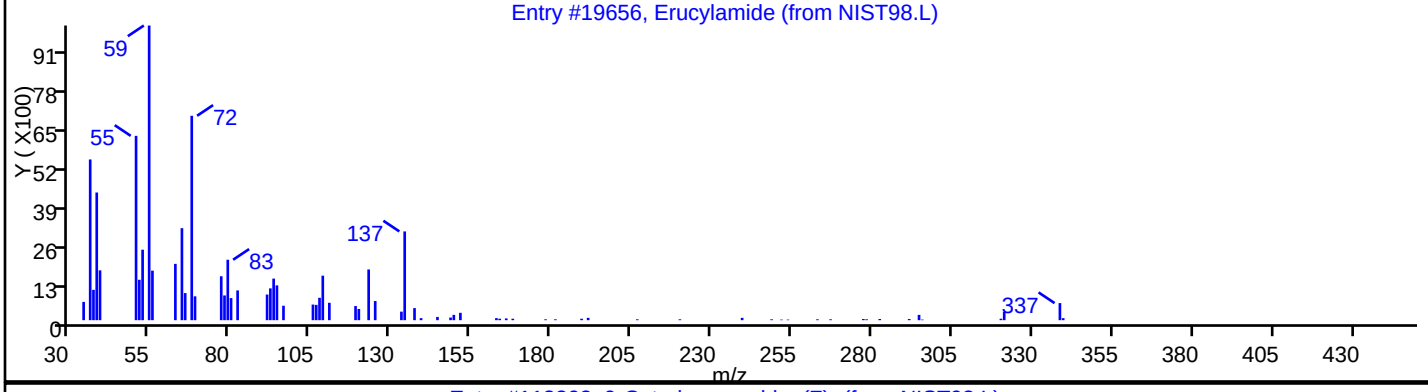
Sample Amount: 1.00 uL Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Erucylamide	112-84-5	NIST98.L	19656	86
9-Octadecenamide, (Z)-	301-2-0	NIST98.L	113302	59
7-Nonenamide	90949-53-4	NIST98.L	19655	53

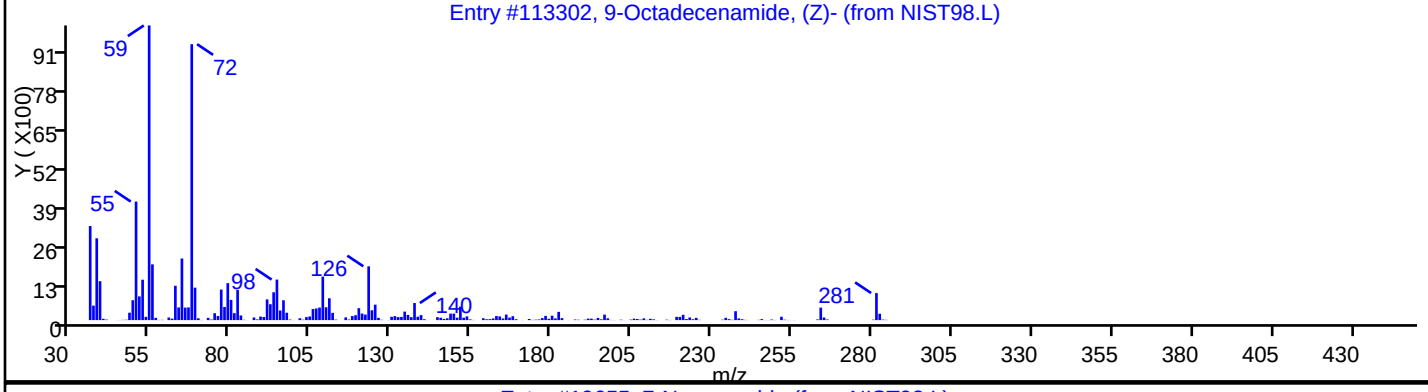
B10213[MS SCAN Spec]:Scan 2653 @ 15.849 min. (SUB)



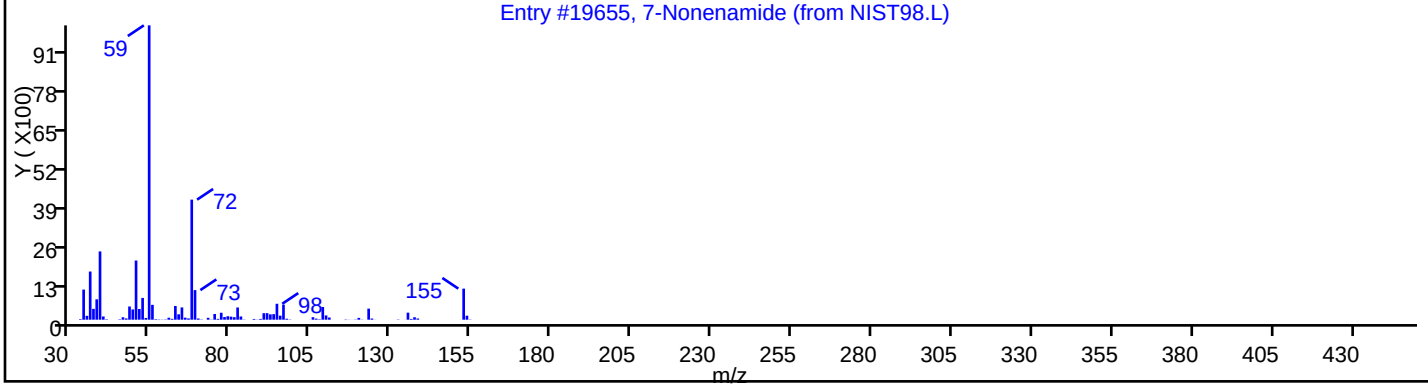
Entry #19656, Erucylamide (from NIST98.L)



Entry #113302, 9-Octadecenamide, (Z)- (from NIST98.L)



Entry #19655, 7-Nonenamide (from NIST98.L)



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

Lab Name: TestAmerica Westfield Job No.: 360-24244-2 Analy Batch No.: 48761

SDG No.: OCRI-04A

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.: 360-24244-2 Analy Batch No.: 48761

SDG No.: OCRI-04A

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.: 360-24244-2 Analy Batch No.: 48761

SDG No.: OCRI-04A

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.

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

Lab Name: TestAmerica Westfield Job No.: 360-24244-2 Analy Batch No.: 48761

SDG No.: OCRI-04A

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.: 360-24244-2 Analy Batch No.: 48761

SDG No.: OCRI-04A

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.: 360-24244-2 Analy Batch No.: 48761

SDG No.: OCRI-04A

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.: 360-24244-2 Analy Batch No.: 48761

SDG No.: OCRI-04A

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.: 360-24244-2 Analy Batch No.: 48761

SDG No.: OCRI-04A

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.: 360-24244-2 Analy Batch No.: 48761

SDG No.: OCRI-04A

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.: 360-24244-2 Analy Batch No.: 48761

SDG No.: OCRI-04A

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

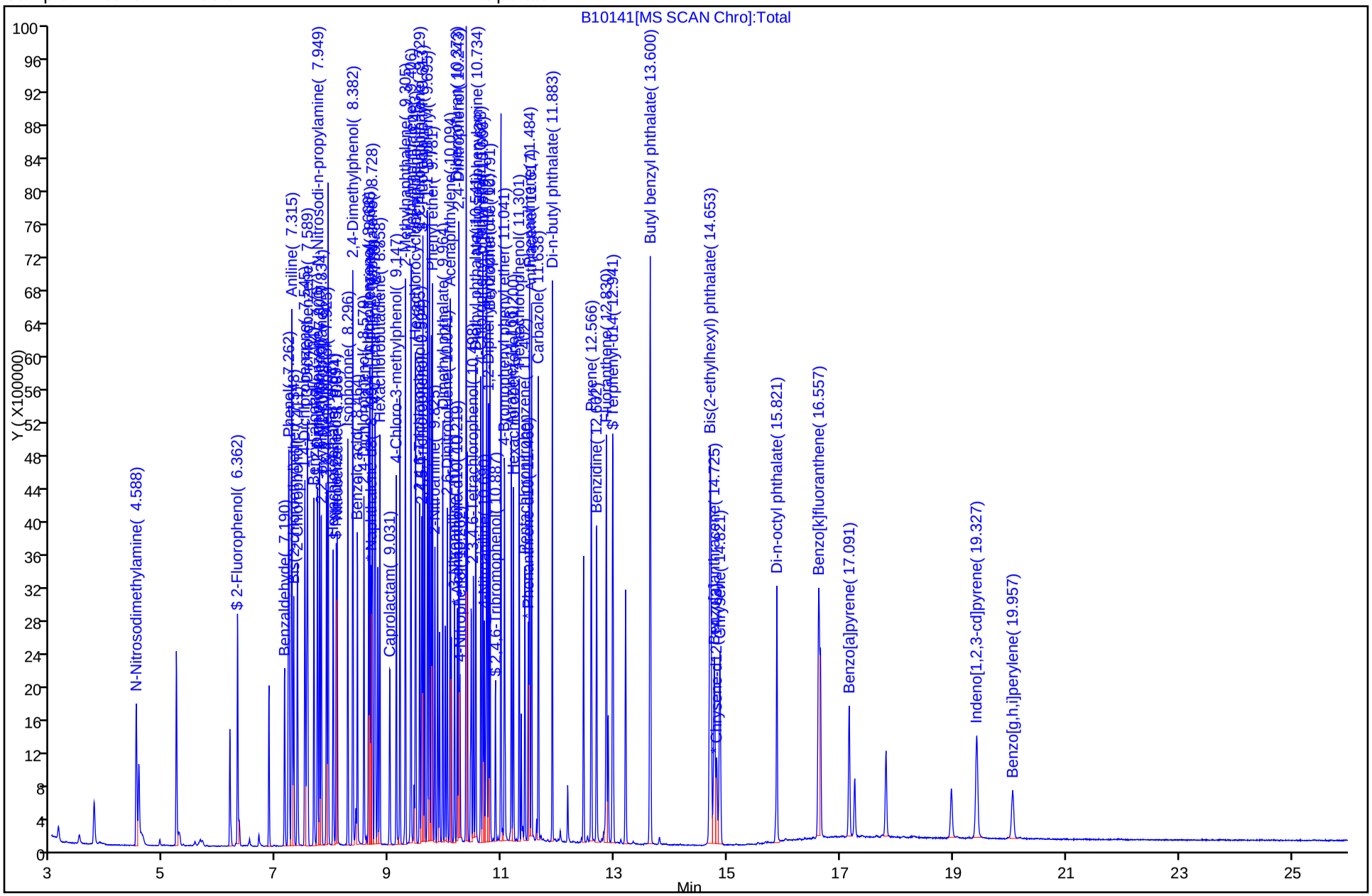
Inj Date: 09-Sep-2009 17:26:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48761 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: STD5

Sample Amount: 2.00 uL Operator: MZ



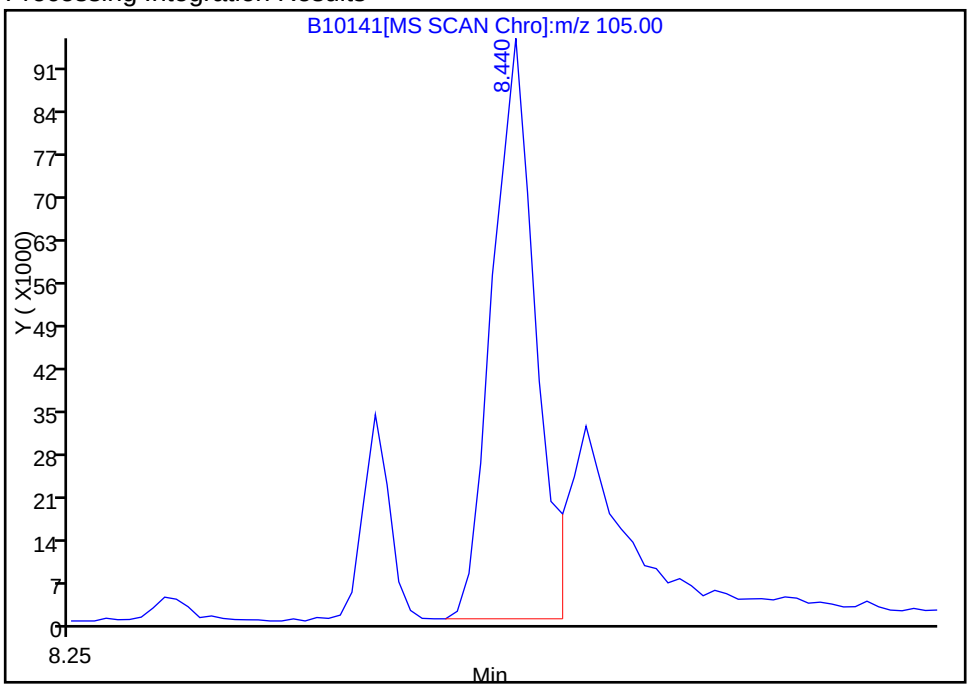
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

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

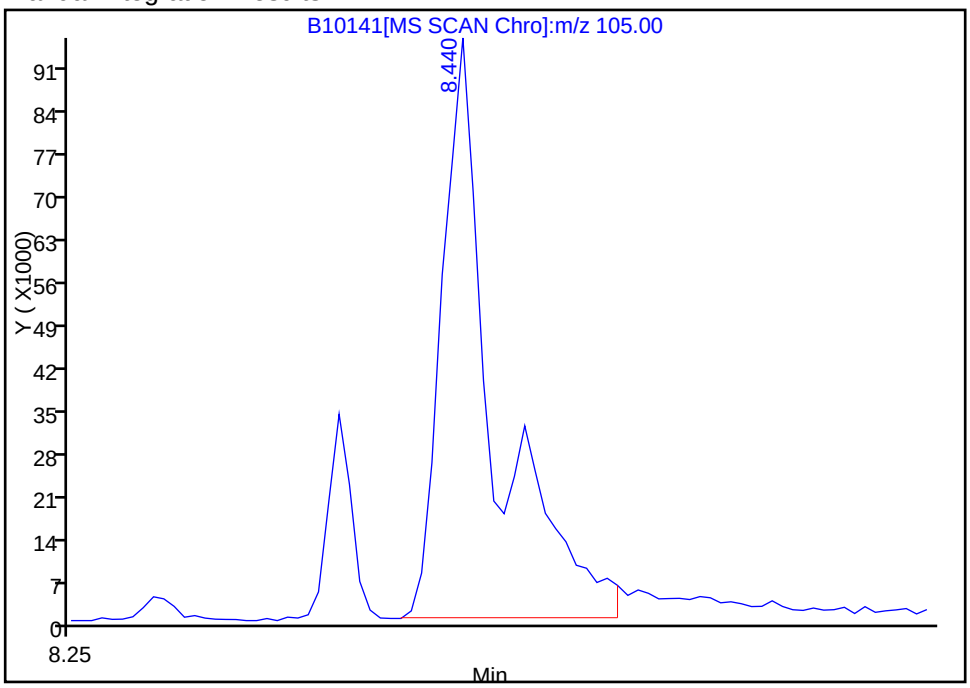
Processing Integration Results

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

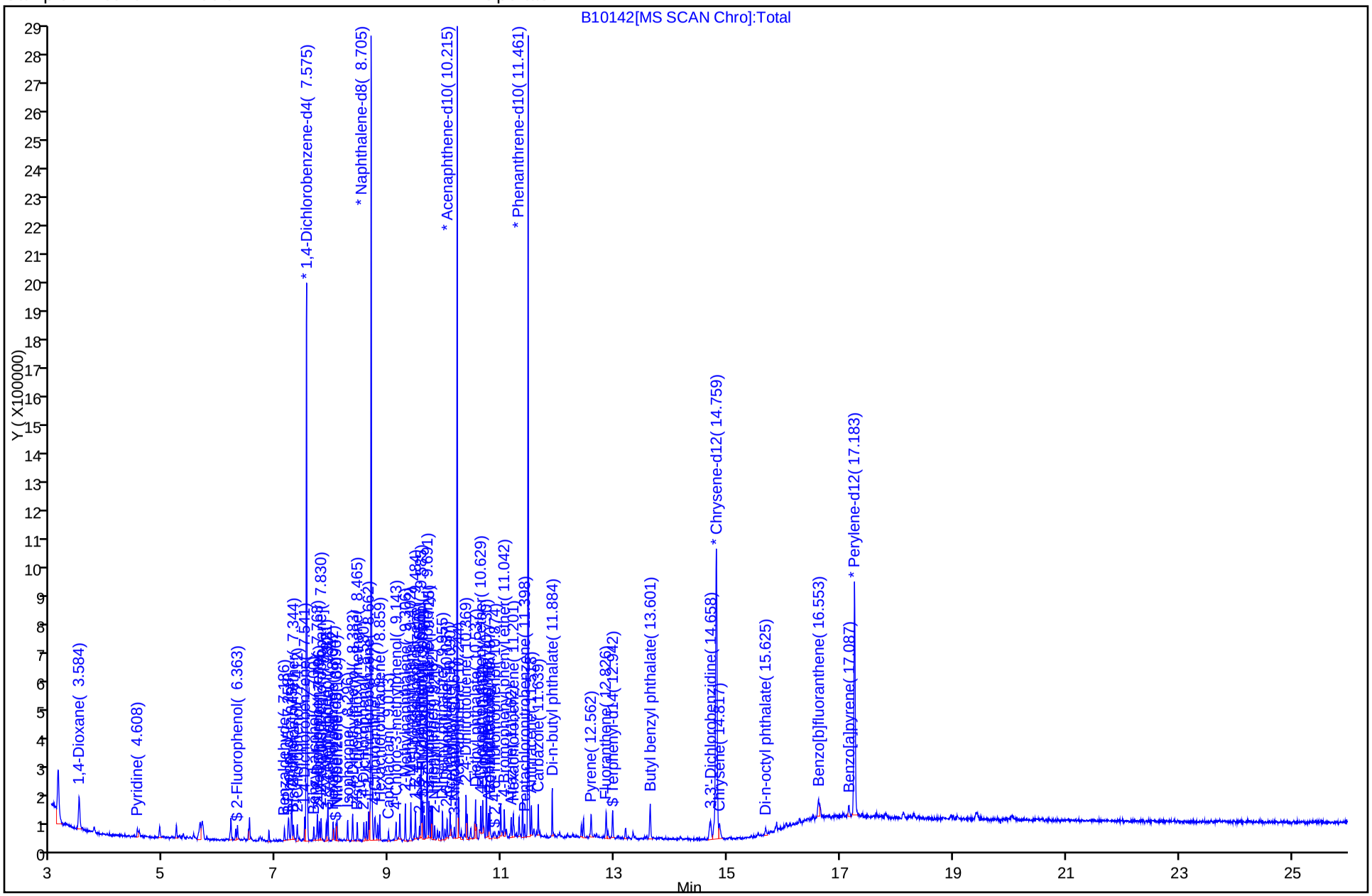
Inj Date: 09-Sep-2009 18:00:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48761 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: STD01

Sample Amount: 2.00 uL Operator: MZ



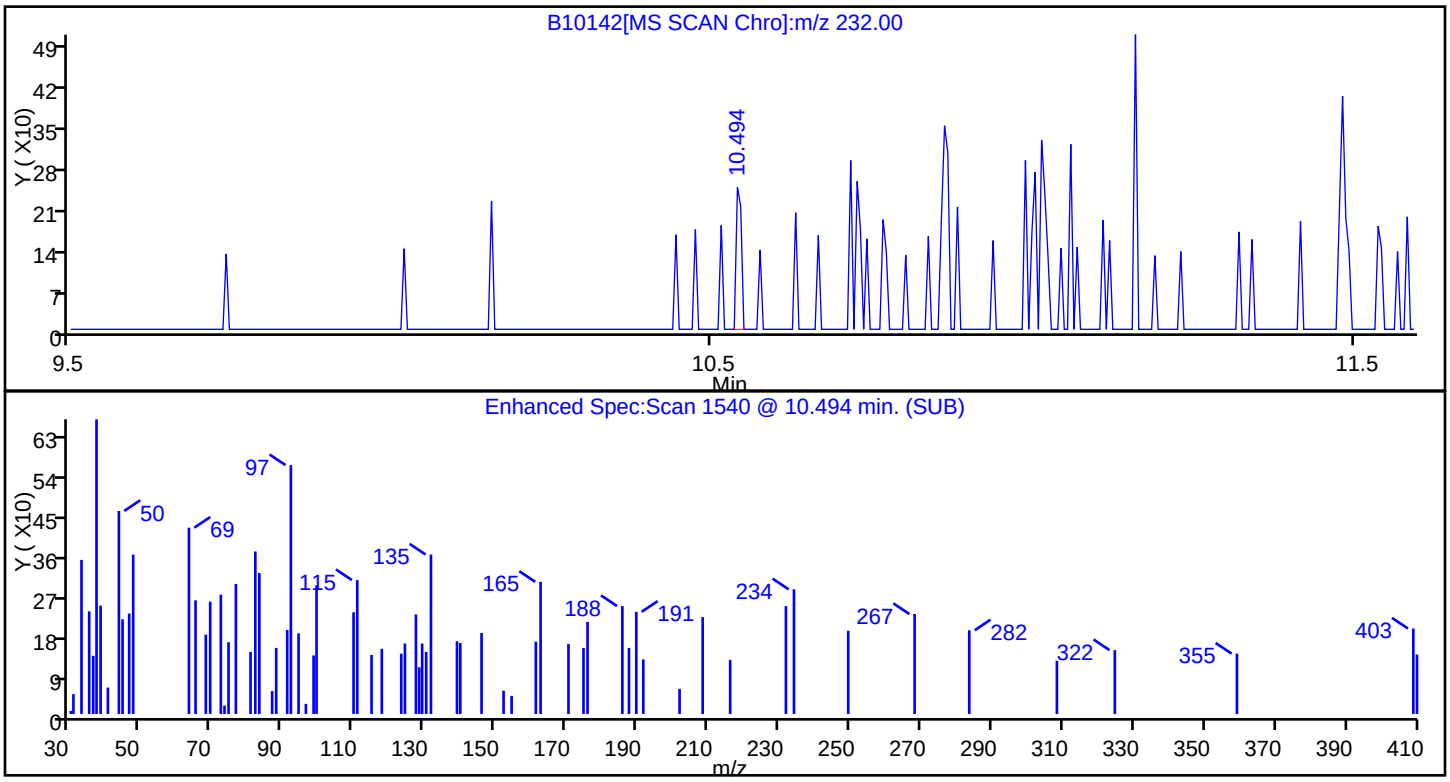
Chrom Revision: 1.0.2009.827

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:

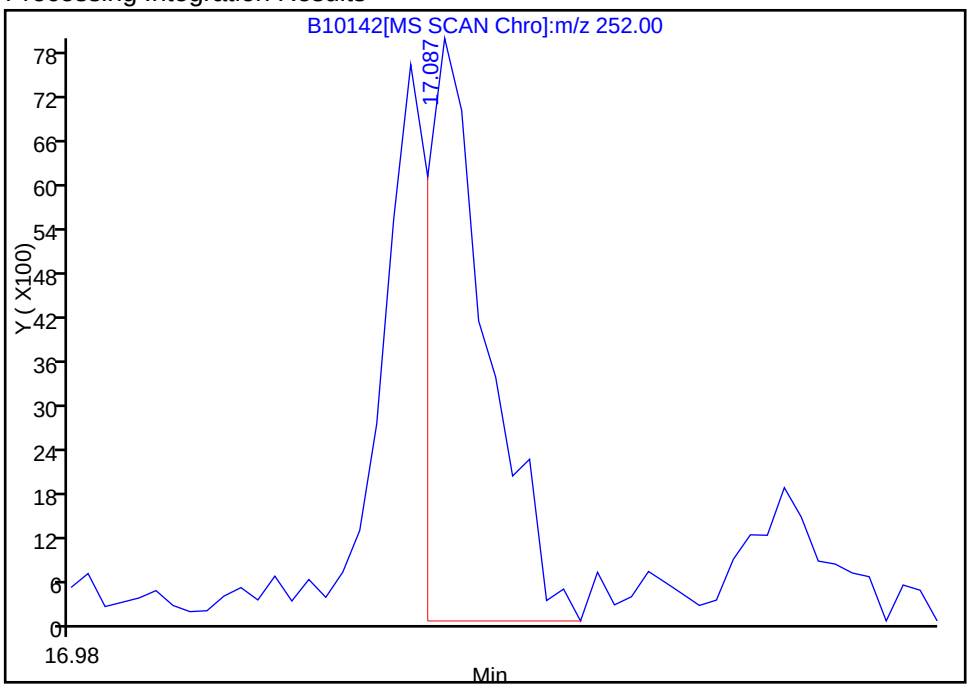
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

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

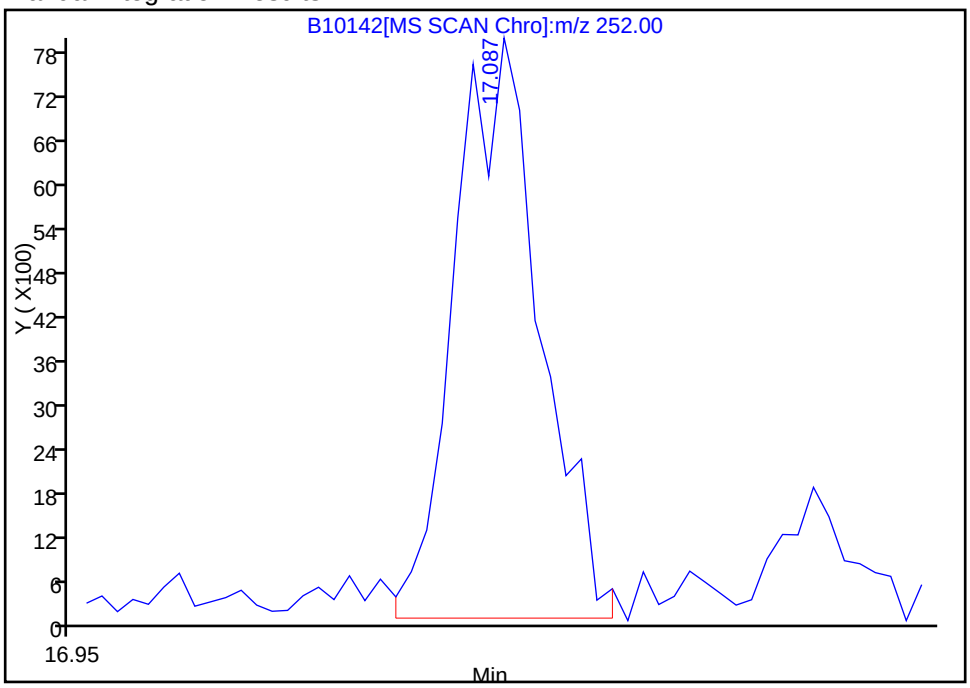
Processing Integration Results

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

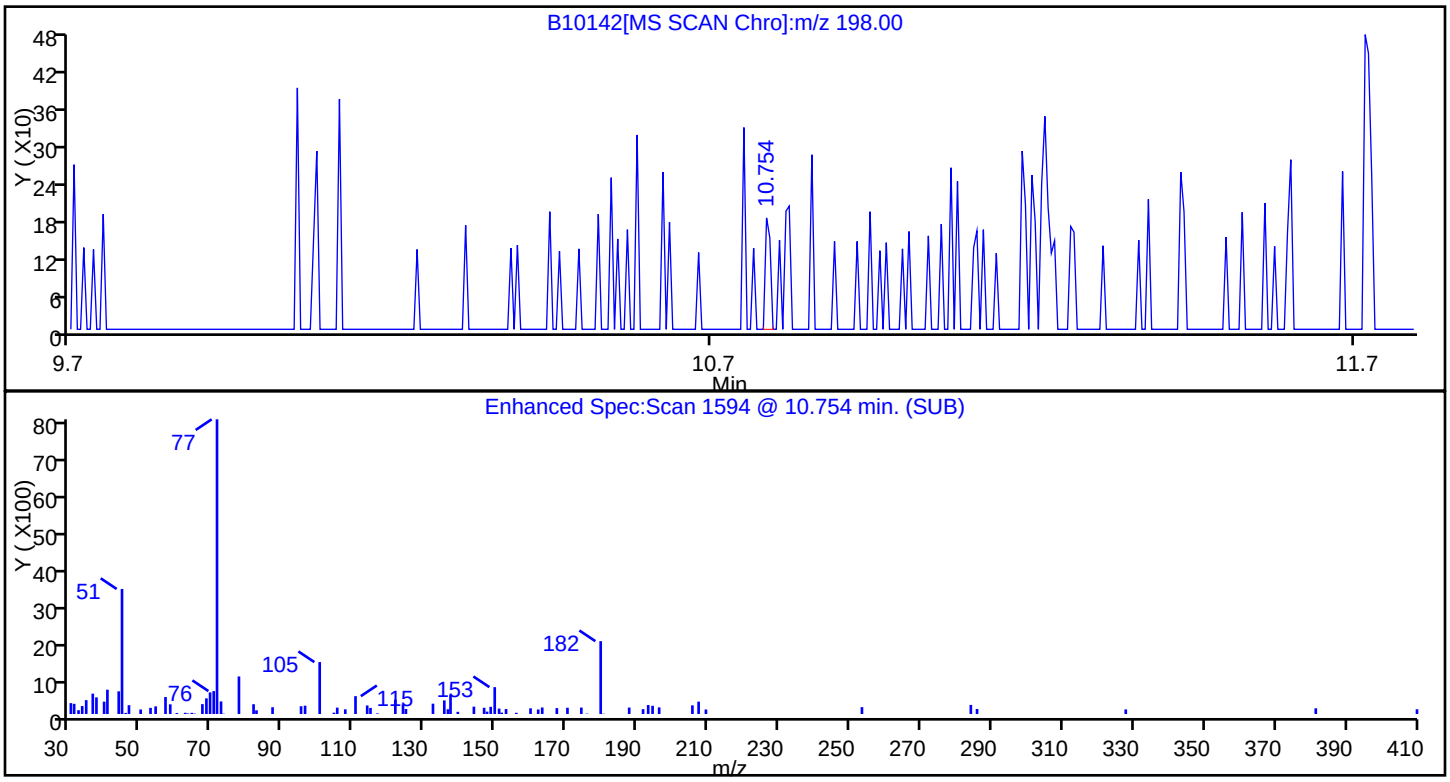
Chrom Revision: 1.0.2009.827

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:

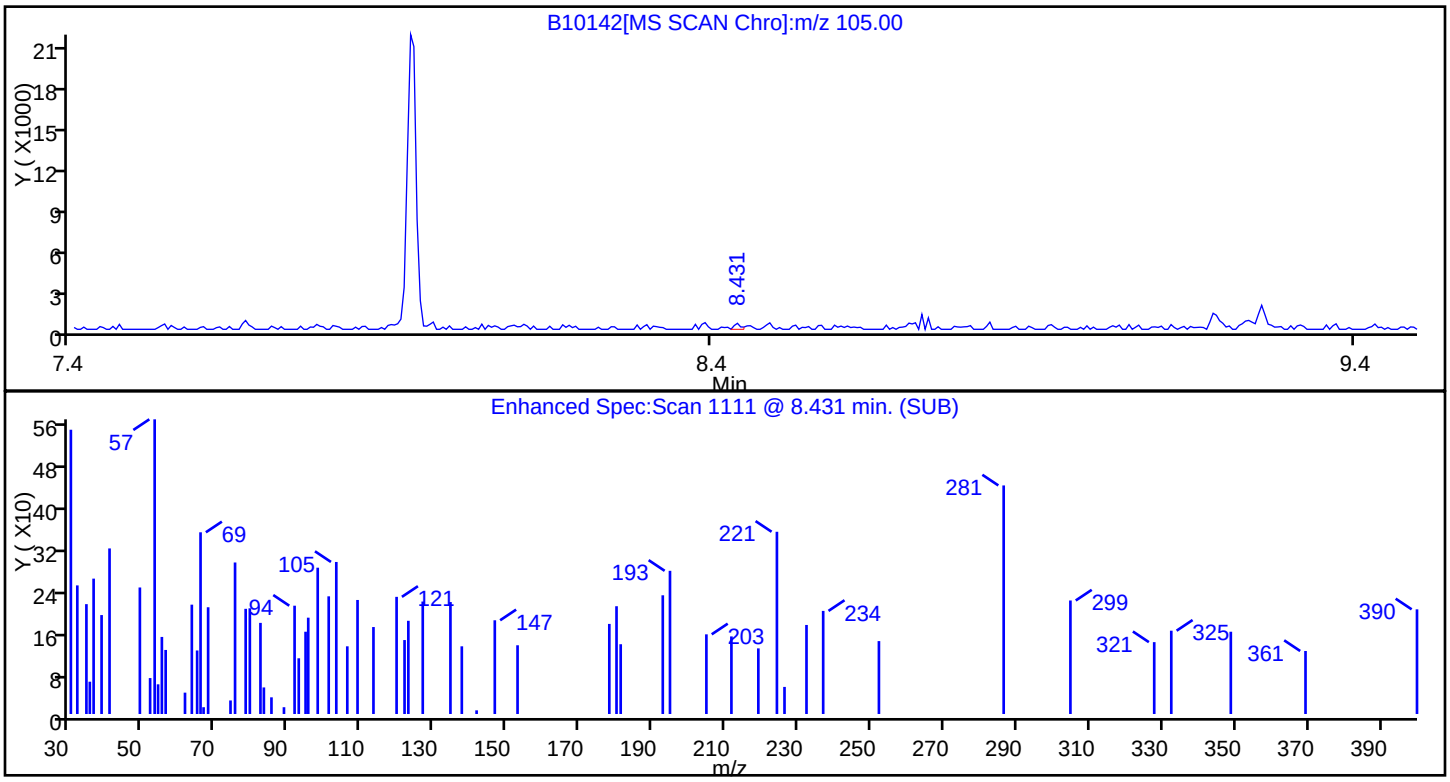
Chrom Revision: 1.0.2009.827

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:

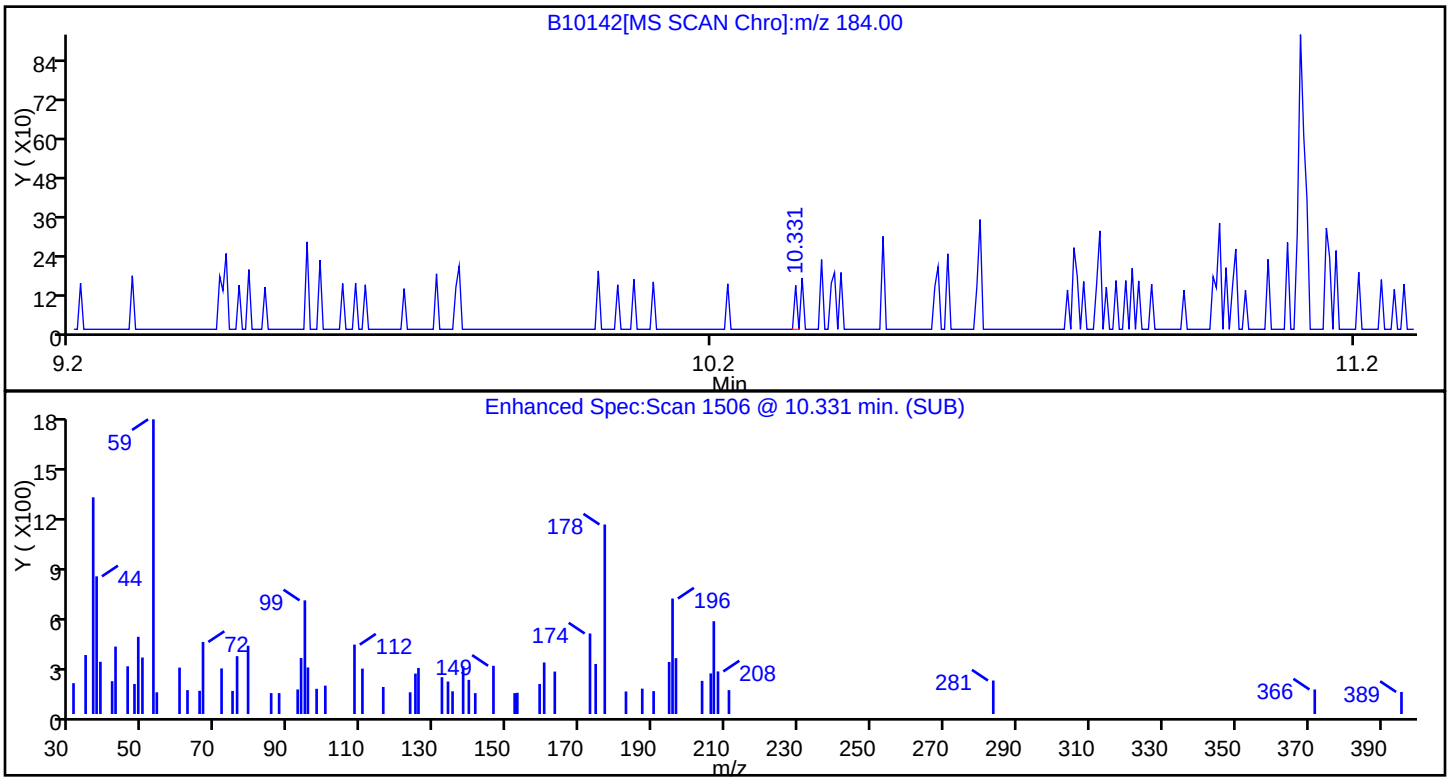
Chrom Revision: 1.0.2009.827

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

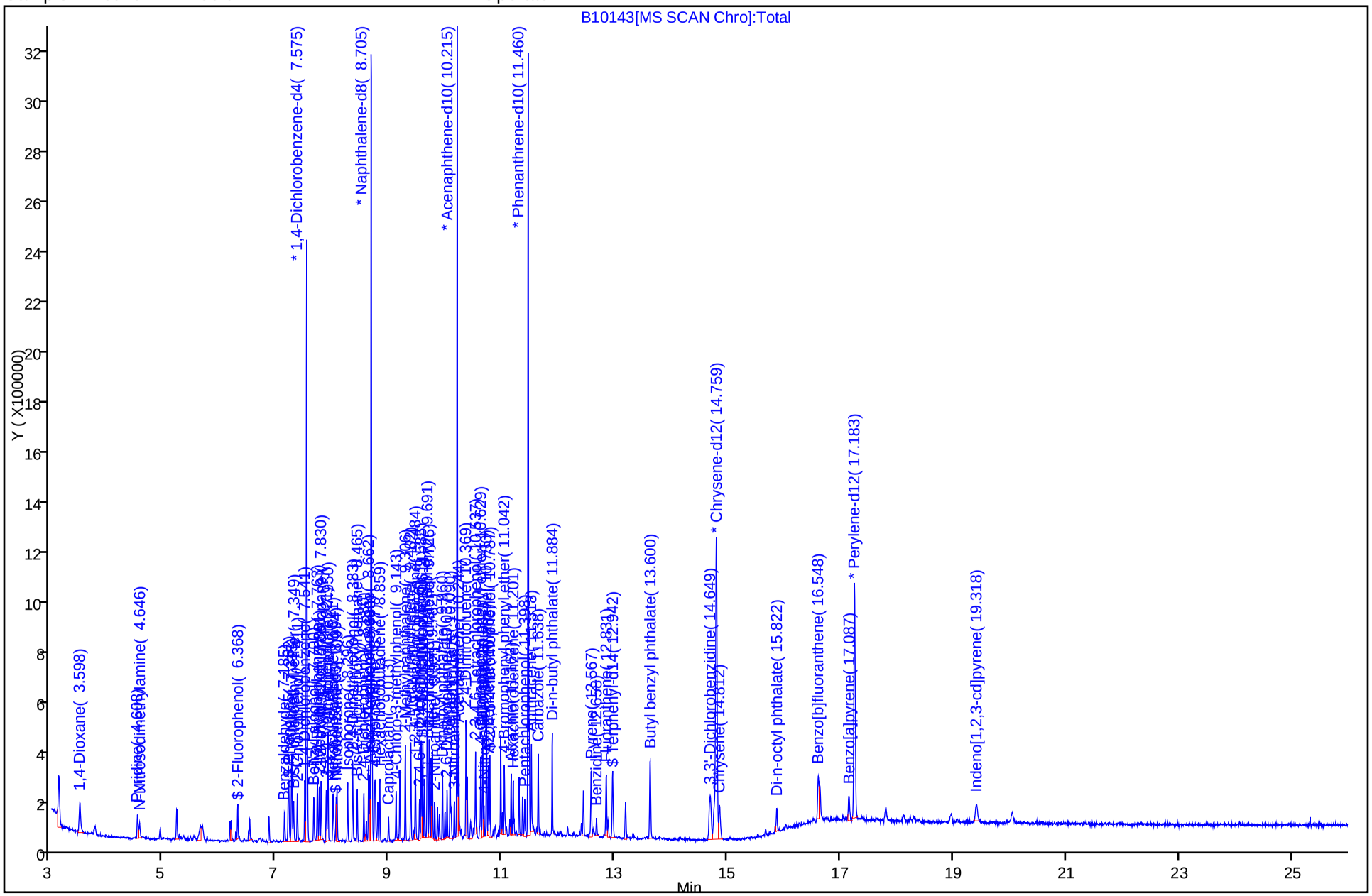
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.575	7.574	0.001	566654	2.00	
* 2 Naphthalene-d8	136	8.705	8.709	-0.004	1354511	2.00	
* 3 Acenaphthene-d10	164	10.215	10.219	-0.004	631137	2.00	
* 4 Phenanthrene-d10	188	11.460	11.460	0.000	1035286	2.00	
* 5 Chrysene-d12	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



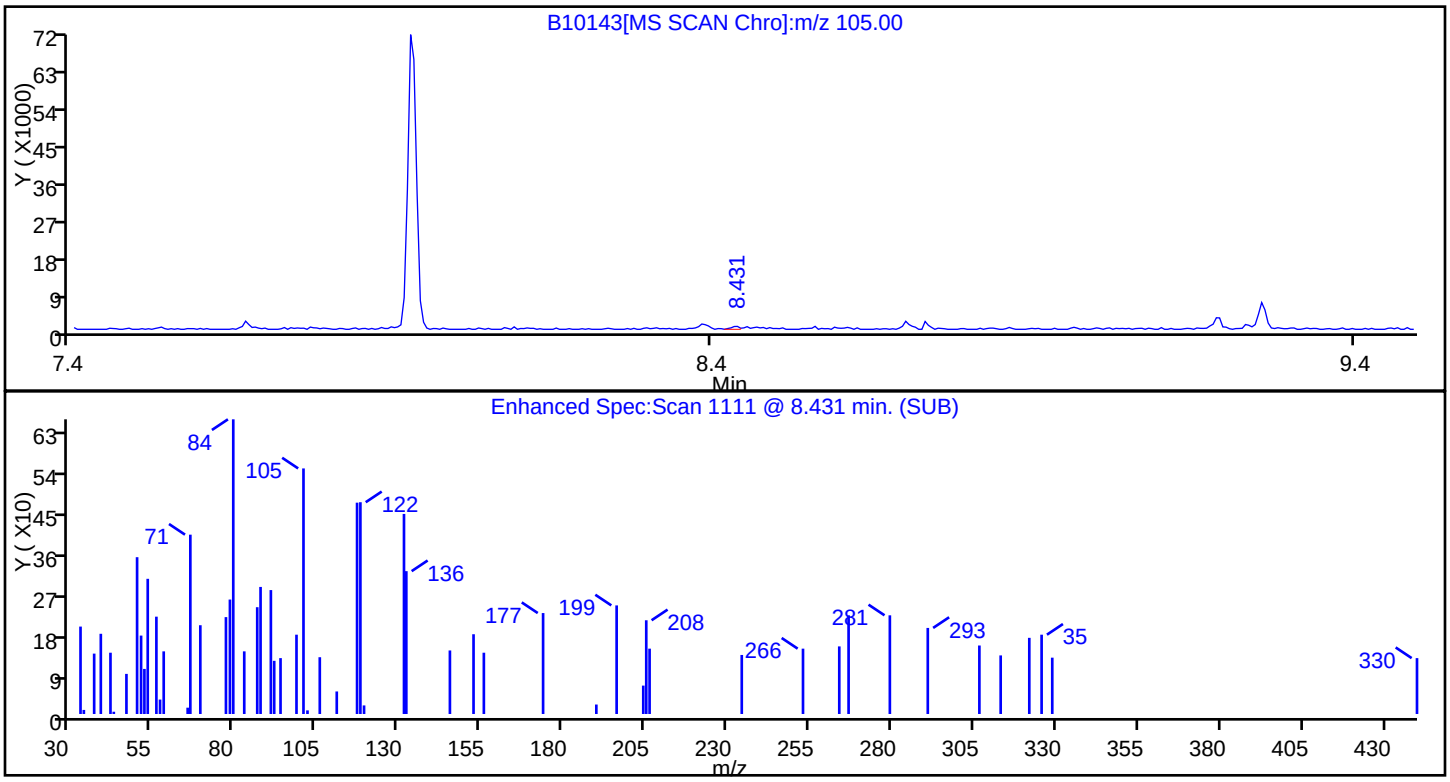
Chrom Revision: 1.0.2009.827

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

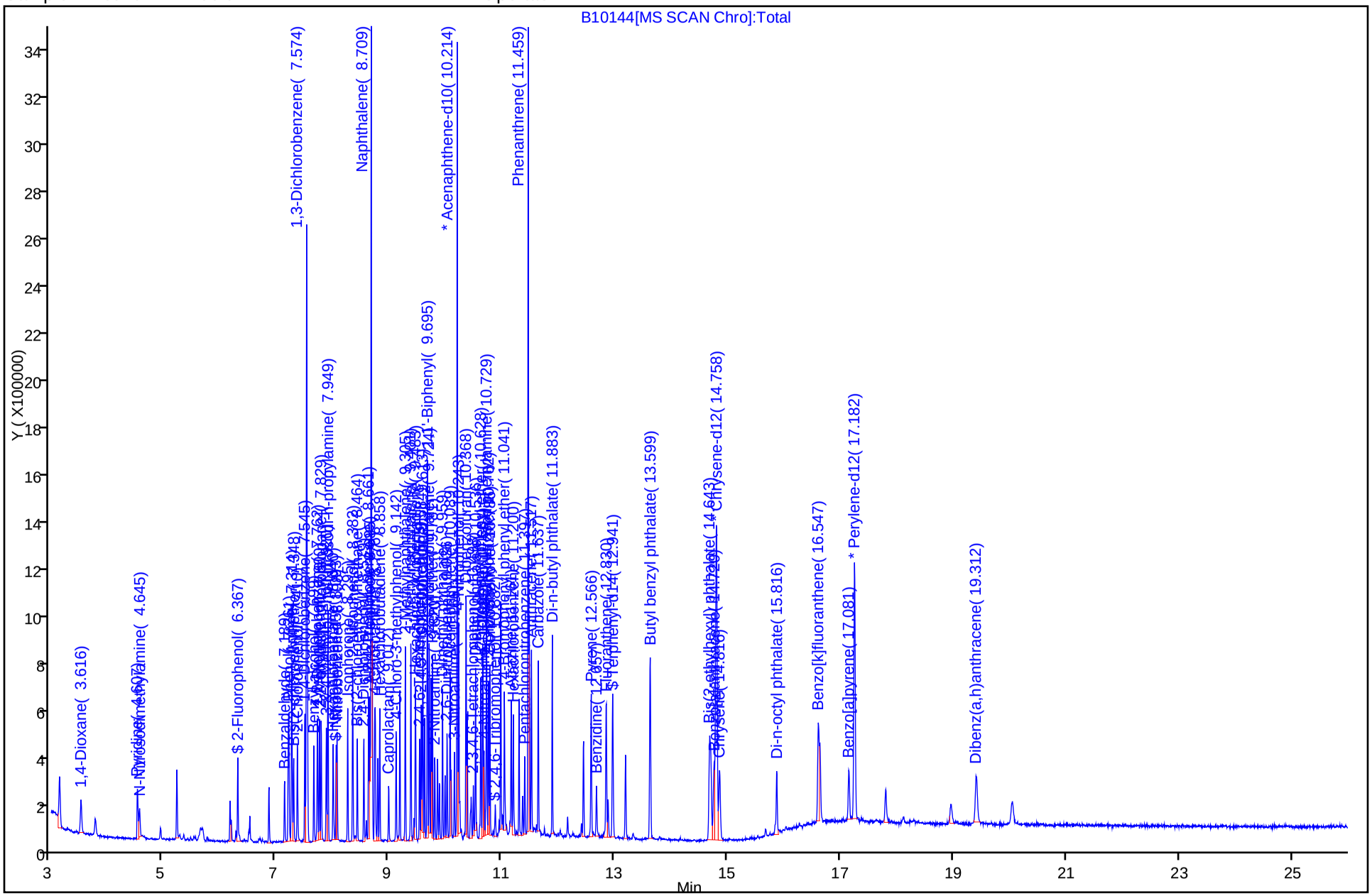
Inj Date: 09-Sep-2009 19:08:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48761 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: STD05

Sample Amount: 2.00 uL Operator: MZ



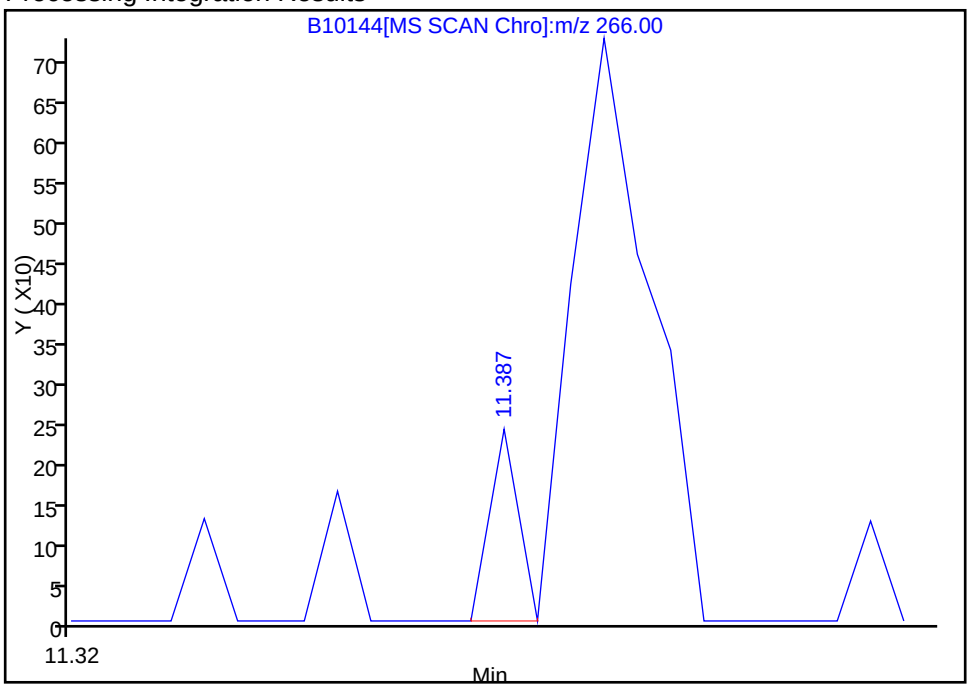
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

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

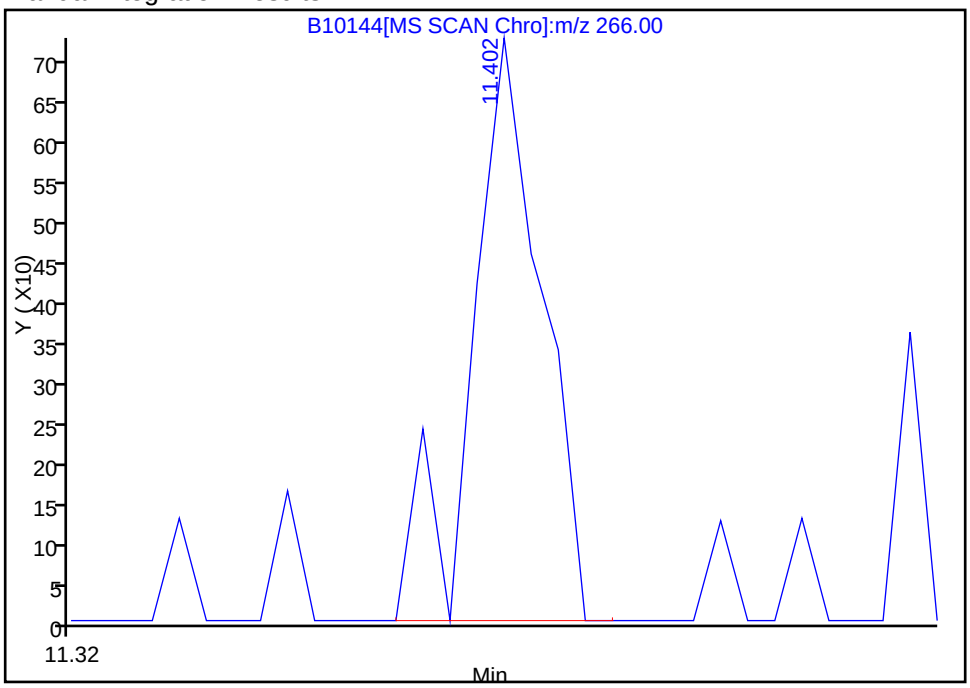
Processing Integration Results

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

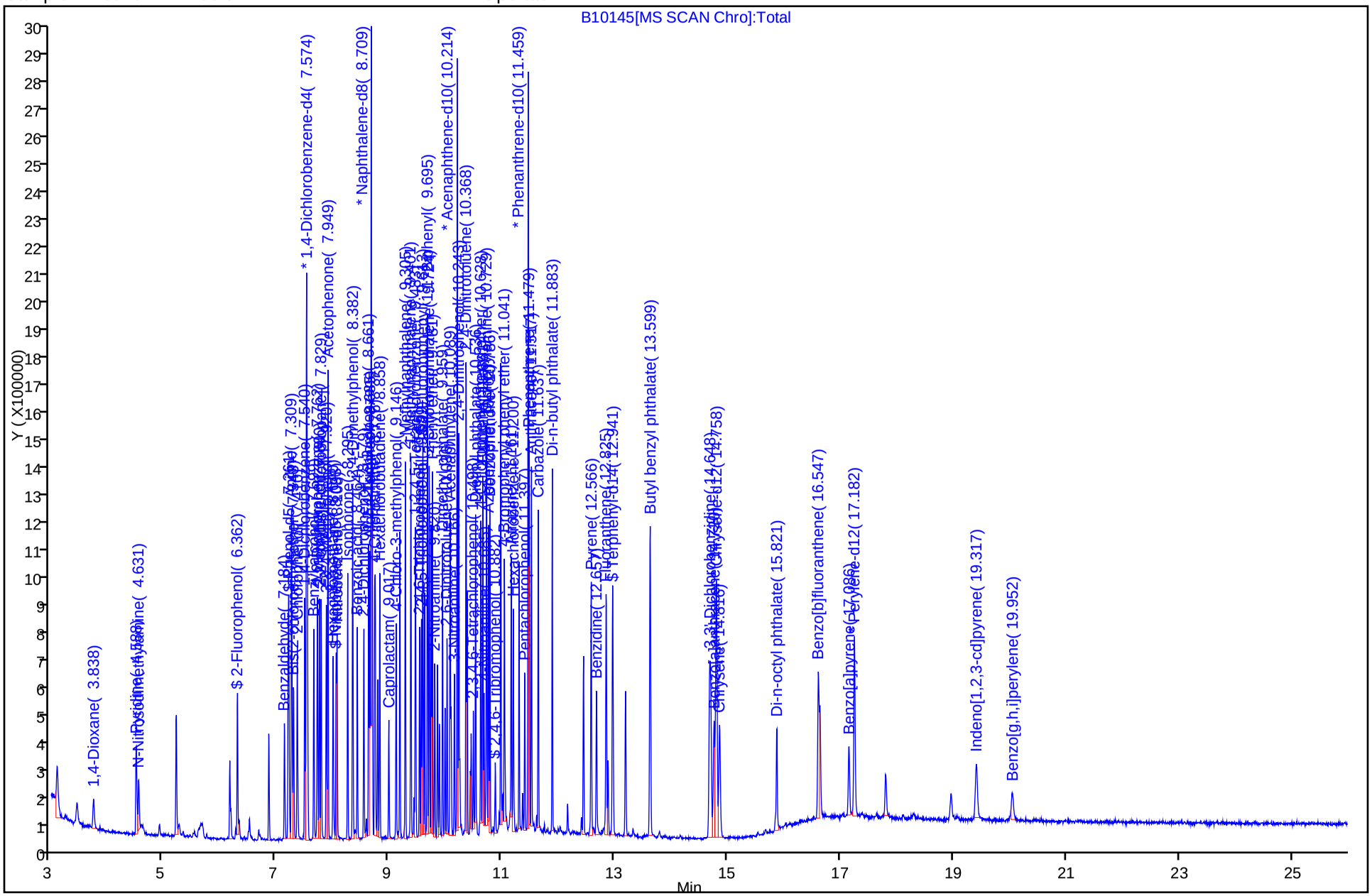
Inj Date: 09-Sep-2009 19:42:30 Limit Group: SMS - 8270LL SVOA Calibration

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		
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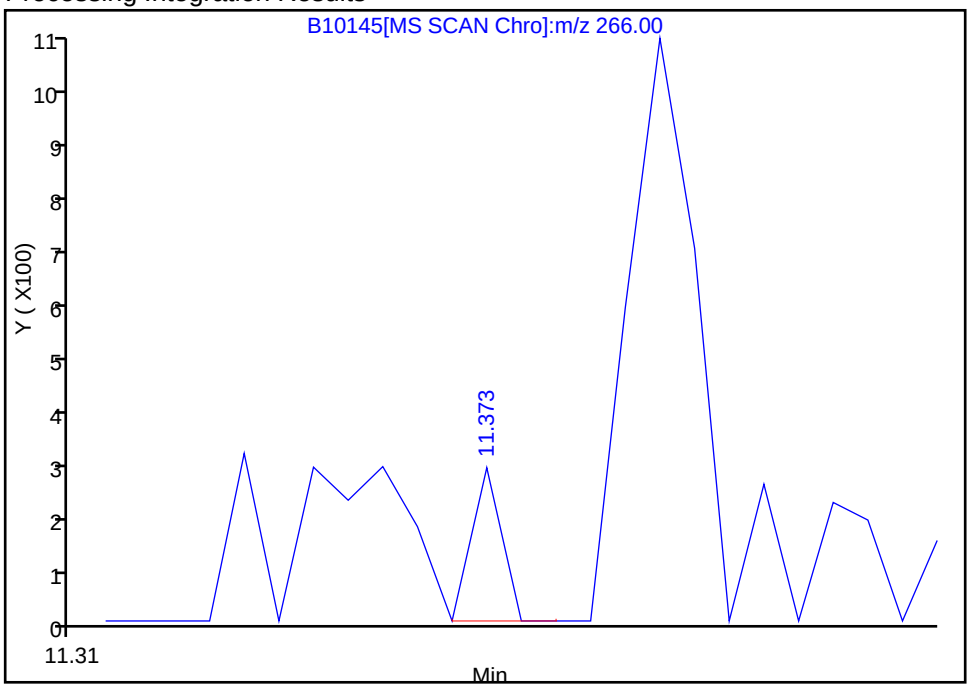
Lims Batch ID:	48761	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	STD1		
Sample Amount:	2.00 uL	Operator:	MZ

78 Pentachlorophenol, Number: 1, m/z: 266 Type: quant, RT: 11.40

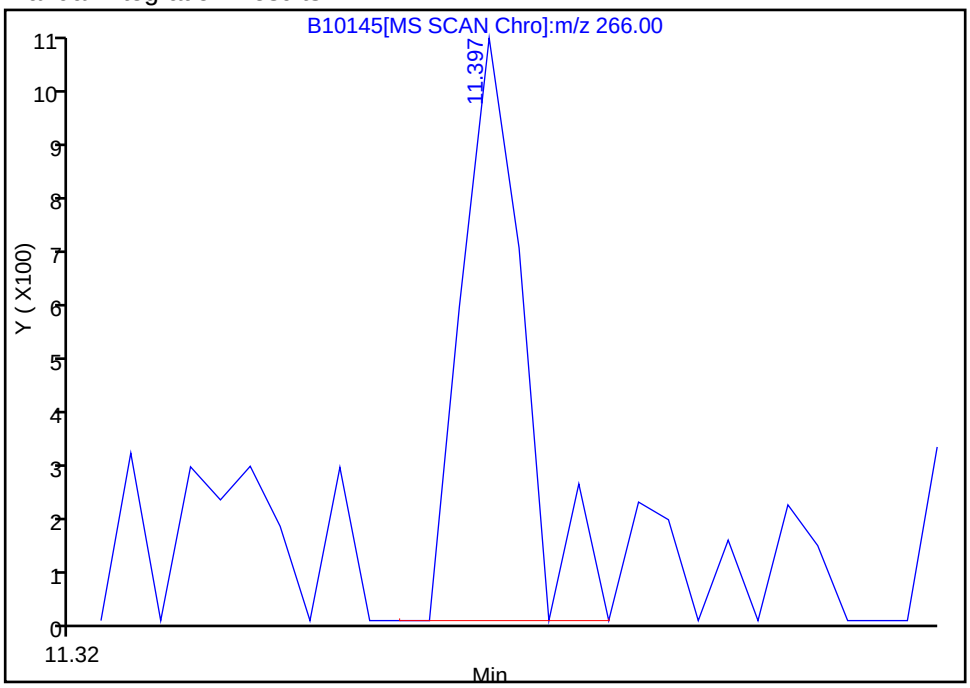
Processing Integration Results

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

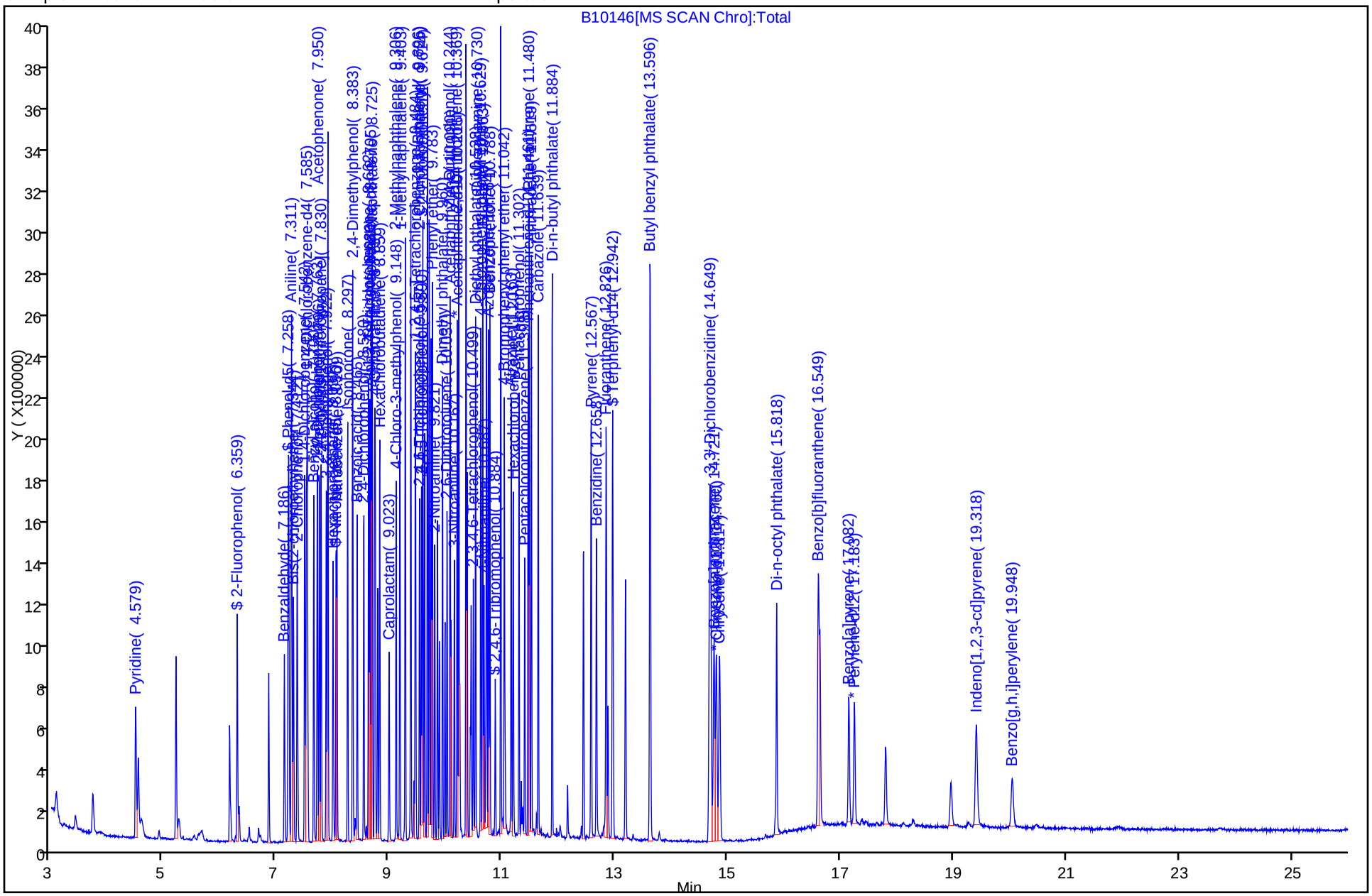
Inj Date: 09-Sep-2009 20:16:30 Limit Group: SMS - 8270LL SVOA Calibration

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

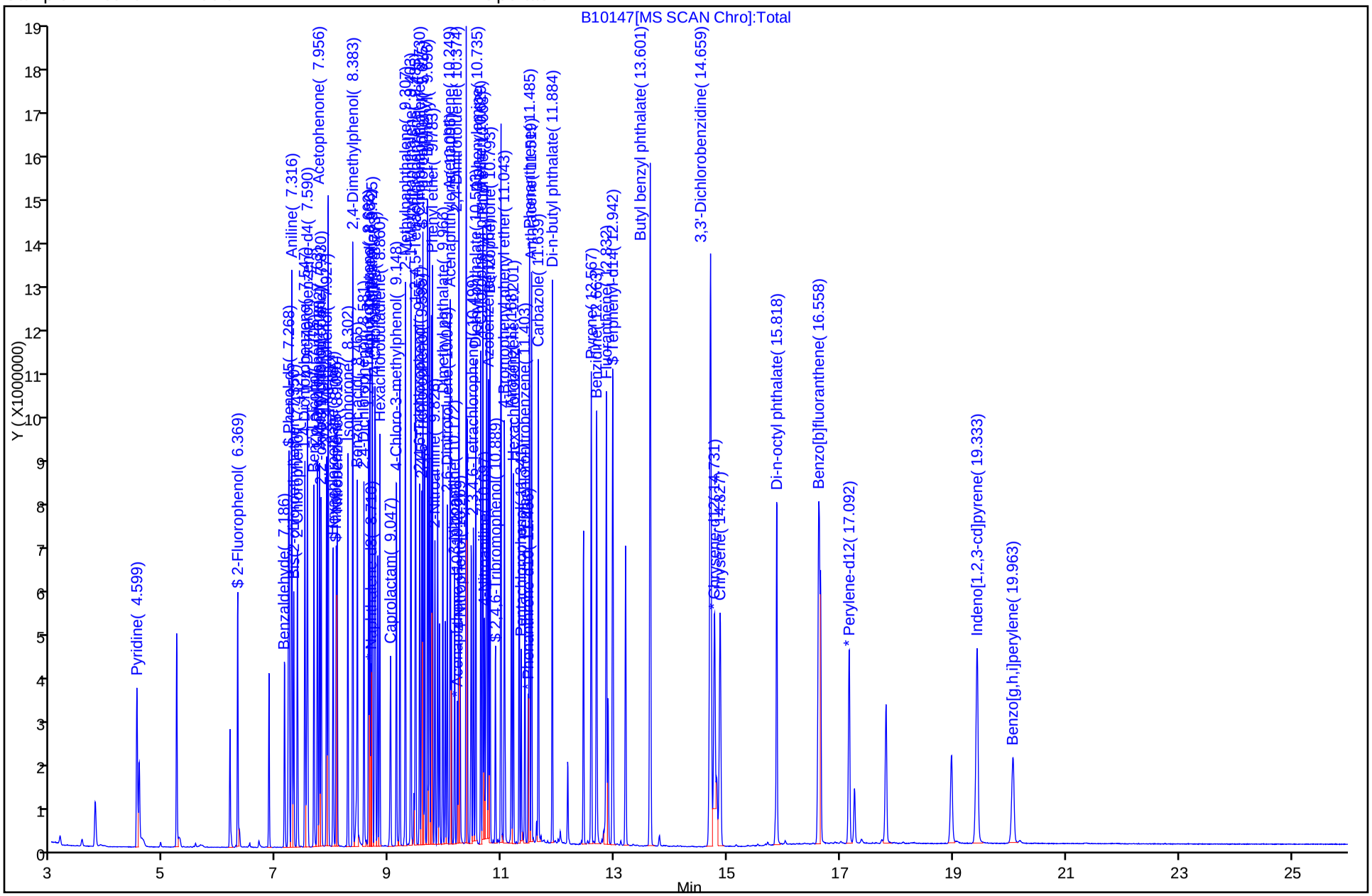
Inj Date: 09-Sep-2009 20:50:30 Limit Group: SMS - 8270LL SVOA Calibration

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

Data File:	\\wessvr06\chromdata\INSTB.i\20090909-4.b\B10148.D		
Lims ID:	STD10	Client ID:	
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

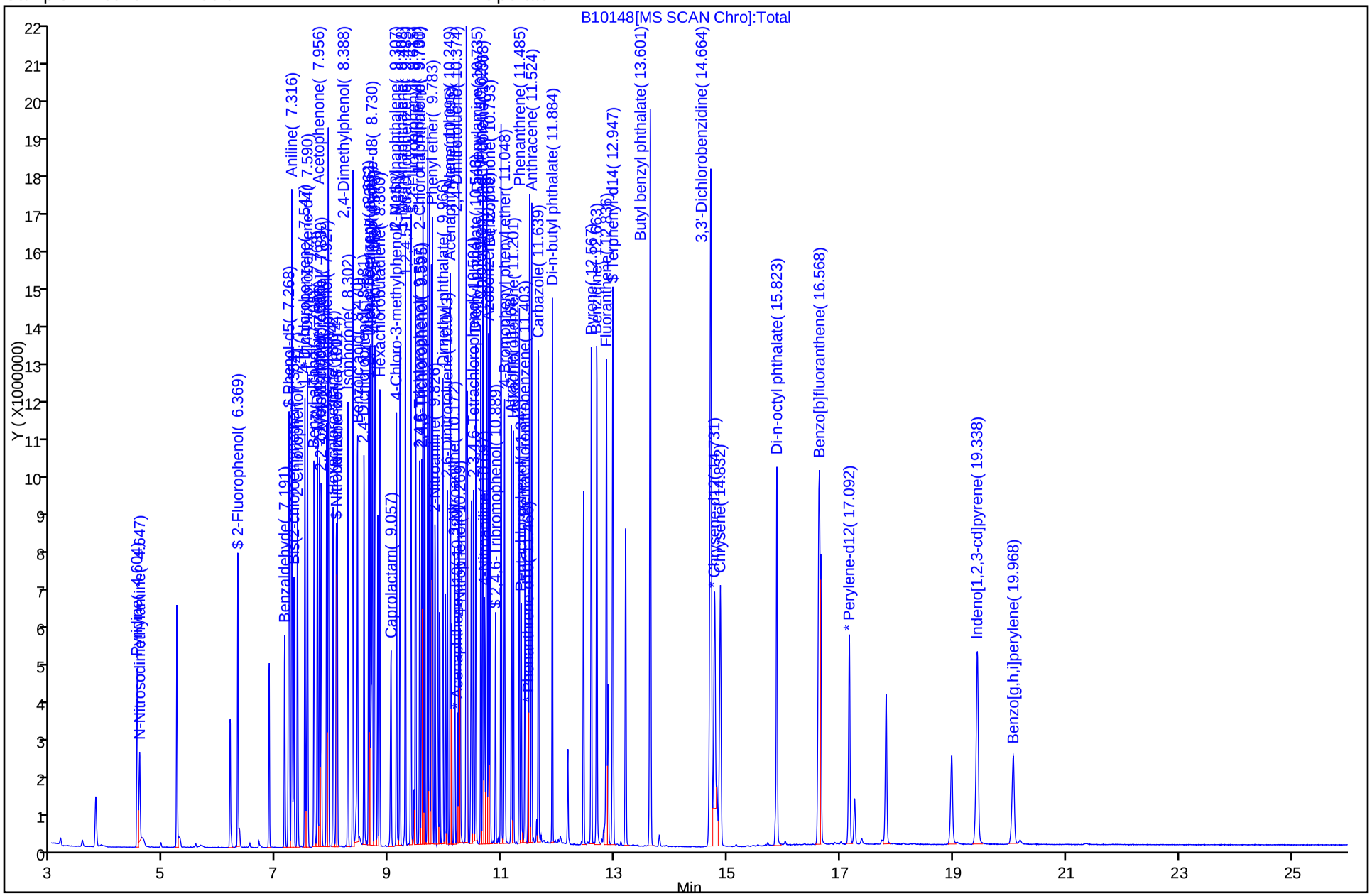
Inj Date: 09-Sep-2009 21:24:30 Limit Group: SMS - 8270LL SVOA Calibration

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	

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

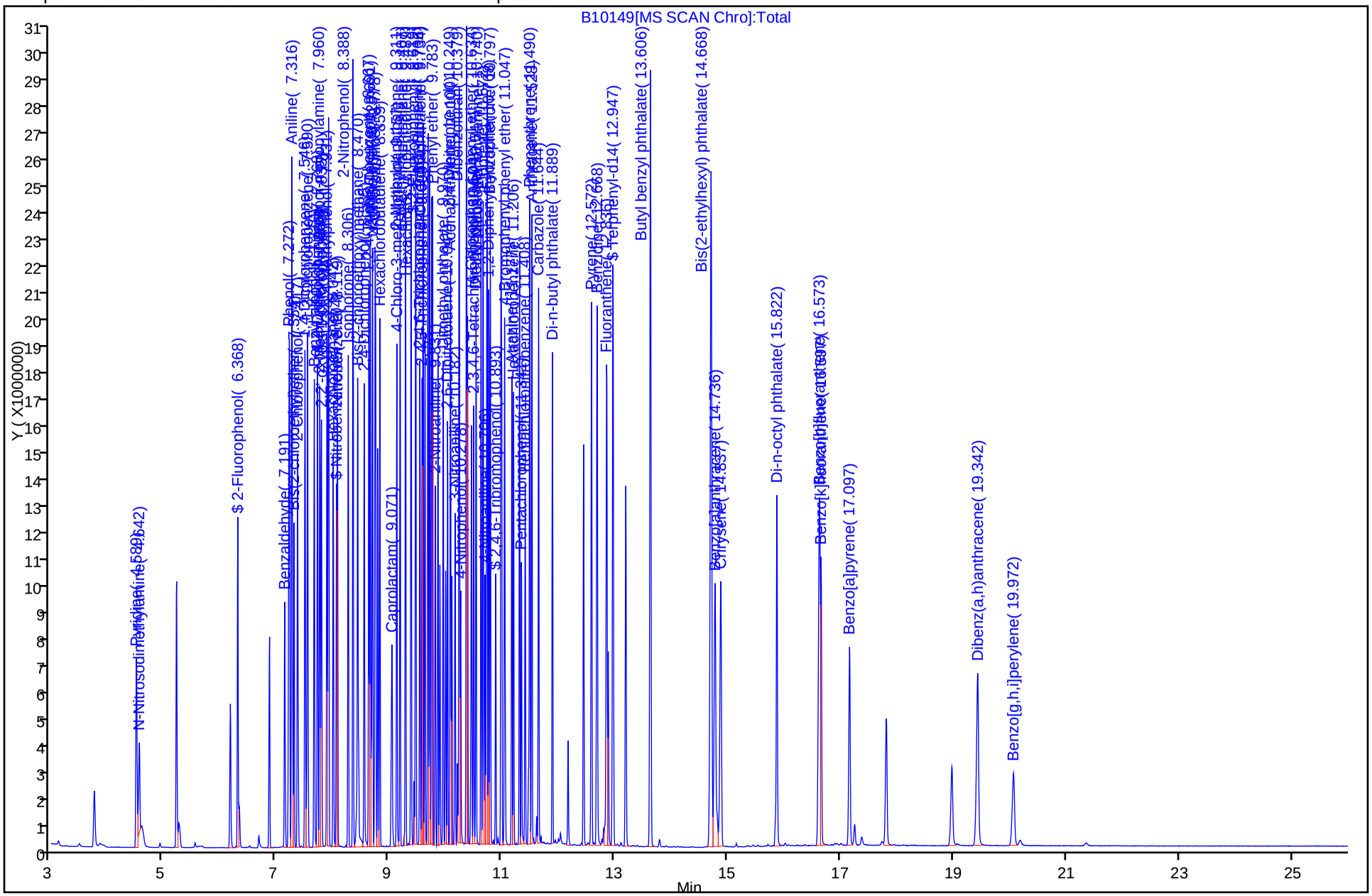
Inj Date: 09-Sep-2009 21:58:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48761 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: STD20

Sample Amount: 2.00 uL Operator: MZ



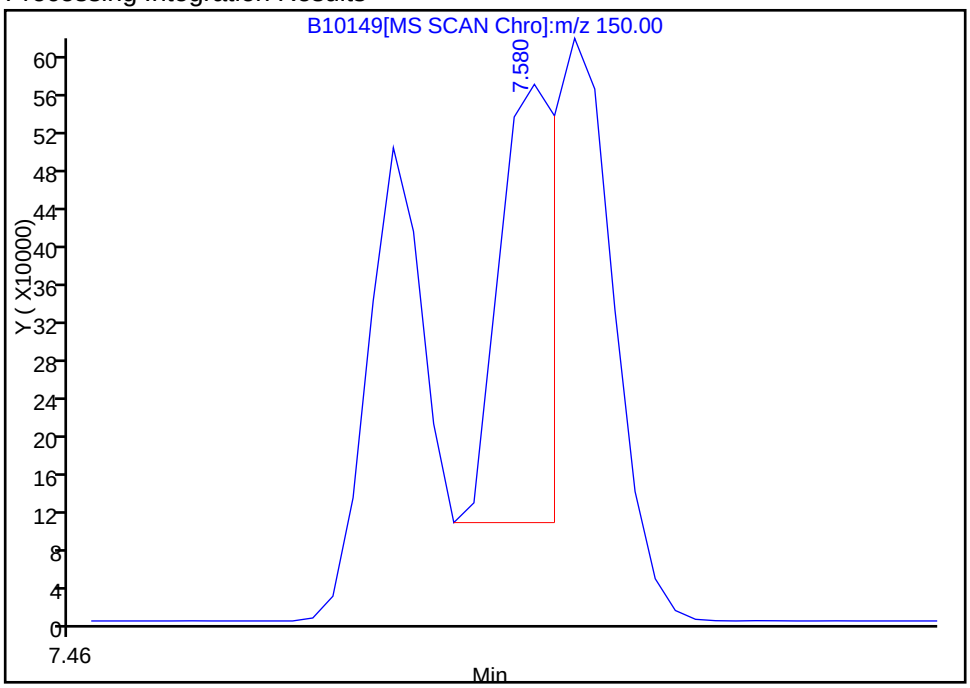
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

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

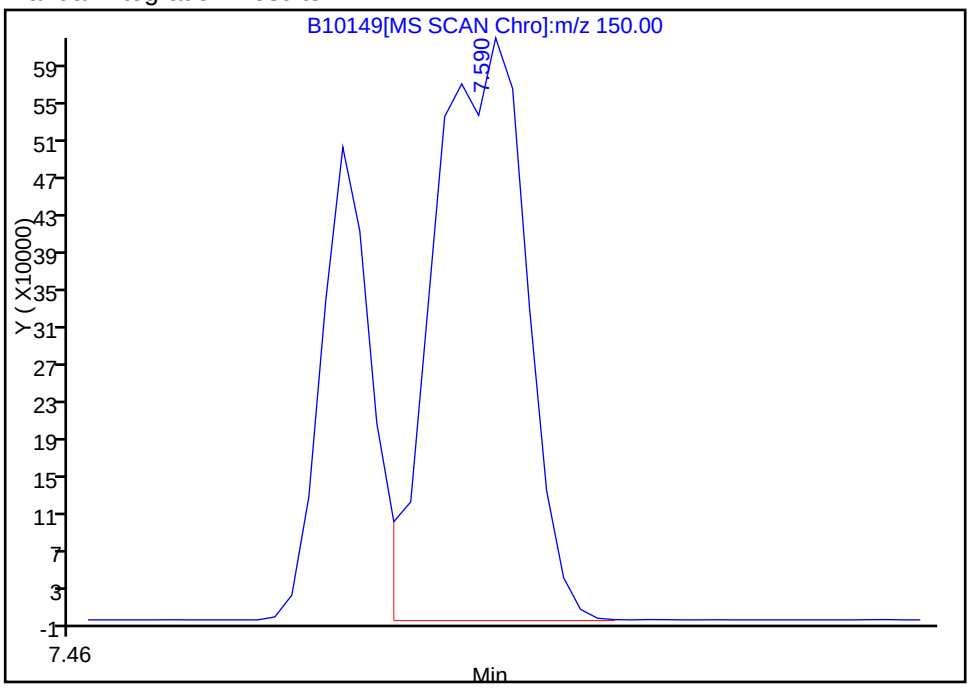
Processing Integration Results

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 VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24244-2 Analy Batch No.: 48839

SDG No.: OCRI-04A

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

Calibration Start Date: 09/11/2009 11:16 Calibration End Date: 09/11/2009 15:48 Calibration ID: 4403

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-48839/3	B10185.D
Level 2	STD025 360-48839/4	B10186.D
Level 3	STD05 360-48839/5	B10187.D
Level 4	STD1 360-48839/6	B10188.D
Level 5	STD25 360-48839/7	B10189.D
Level 6	STD5 360-48839/2	B10184.D
Level 7	STD8 360-48839/8	B10190.D
Level 8	STD10 360-48839/9	B10191.D
Level 9	STD20 360-48839/10	B10192.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	0.4141 0.1954	0.3188 0.1676	0.2850 0.1633	0.2431 0.1226	0.2040	Qua	0.0389	0.1983	-0.004						0.9990		0.9900
Pyridine	0.4993 0.5065	0.5818 0.4415	0.5529 0.4344	0.5894 +++++	0.5199	Ave		0.5157				11.0		15.0			
N-Nitrosodimethylamine	0.4111 0.3373	0.3790 0.3056	0.4003 0.2936	0.3926 +++++	0.3583	Ave		0.3597				12.0		15.0			
Benzoic acid	+++++ 0.0376	+++++ 0.0648	0.0062 0.0919	0.0059 0.1333	0.0090	Qua	-0.060	0.0383	0.0049						0.9960		0.9900
2,4-Dinitrophenol	+++++ 0.0762	+++++ 0.1034	+++++ 0.1295	0.0125 0.1477	0.0411	Lin	-0.308	0.1596			0.0500				0.9900		0.9900
Benzaldehyde	0.3190 0.2654	0.3170 0.2385	0.3048 0.2185	0.3021 +++++	0.2787	Ave		0.2805				13.0		15.0			
Phenol	0.6768 0.6659	0.7351 0.5886	0.7524 0.5710	0.7727 +++++	0.6777	Ave		0.6800				11.0		15.0			
Aniline	0.7409 0.7774	0.8090 0.7105	0.8132 0.6999	0.8444 +++++	0.7879	Ave		0.7729				6.7		15.0			
Bis(2-chloroethyl)ether	0.6084 0.5280	0.6163 0.4569	0.6391 0.4271	0.6465 +++++	0.5638	Ave		0.5608				15.0		15.0			
2-Chlorophenol	0.5941 0.5933	0.6650 0.5249	0.6887 0.5043	0.6744 +++++	0.6255	Ave		0.6088				11.0		15.0			
1,4-Dichlorobenzene	0.8298 0.6919	0.8400 0.5935	0.8569 0.5707	0.8136 +++++	0.7232	Ave		0.7400				15.0		15.0			
1,3-Dichlorobenzene	0.8463 0.7103	0.8663 0.6213	0.8744 0.5998	0.8645 +++++	0.7519	Ave		0.7668				15.0		15.0			
Benzyl alcohol	0.2801 0.4654	0.4079 0.4127	0.4865 0.4008	0.4910 +++++	0.4738	Lin2	-0.017	0.4641							0.9900		0.9900

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24244-2 Analy Batch No.: 48839

SDG No.: OCRI-04A

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

Calibration Start Date: 09/11/2009 11:16 Calibration End Date: 09/11/2009 15:48 Calibration ID: 4403

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	0.7995 0.6520	0.7986 0.5781	0.8174 0.5456	0.7811 +++++	0.6870	Ave		0.7074				15.0		15.0			
2-Methylphenol	0.5285 0.5178	0.5383 0.4531	0.5853 0.4352	0.5941 +++++	0.5323	Ave		0.5231				11.0		15.0			
2,2'-oxybis[1-chloropropane]	1.1264 0.9329	1.1689 0.8058	1.1121 0.7867	1.1443 +++++	1.0096	Ave		1.0108				15.0		15.0			
3 & 4 Methylphenol	0.5117 0.5461	0.5754 0.4803	0.6113 0.4633	0.6240 +++++	0.5666	Ave		0.5473				11.0		15.0			
Acetophenone	0.8791 0.7823	0.8656 0.6832	0.9011 0.6558	0.9134 +++++	0.8146	Ave		0.8119				12.0		15.0			
N-Nitrosodi-n-propylamine	0.3794 0.4026	0.4250 0.3503	0.4429 0.3379	0.4606 +++++	0.4105	Ave		0.4012			0.0500	11.0		15.0			
Hexachloroethane	0.2849 0.2563	0.2824 0.2223	0.2910 0.2180	0.2973 +++++	0.2669	Ave		0.2649				12.0		15.0			
Nitrobenzene	0.2502 0.2766	0.2791 0.2990	0.2850 0.2870	0.2865 0.2630	0.2603	Ave		0.2763				5.6		15.0			
Isophorone	0.3920 0.4673	0.4269 0.5142	0.4666 0.4904	0.4561 0.4243	0.4456	Ave		0.4537				8.1		15.0			
2,4-Dimethylphenol	0.1921 0.2343	0.2222 0.2479	0.2394 0.2344	0.2277 0.2146	0.2131	Ave		0.2251				7.5		15.0			
2-Nitrophenol	0.1043 0.1487	0.1240 0.1736	0.1462 0.1656	0.1479 0.1492	0.1401	Ave		0.1444				14.0		15.0			
Bis(2-chloroethoxy)methane	0.2777 0.2805	0.2953 0.3061	0.3110 0.2925	0.2941 0.2576	0.2649	Ave		0.2866				6.2		15.0			
2,4-Dichlorophenol	0.1751 0.2177	0.1955 0.2351	0.2118 0.2332	0.2114 0.2155	0.2022	Ave		0.2108				8.8		15.0			
1,2,4-Trichlorobenzene	0.2682 0.2526	0.2766 0.2723	0.2771 0.2563	0.2657 0.2294	0.2362	Ave		0.2594				6.7		15.0			
Alpha-Terpineol	0.2076 0.2215	0.2153 0.2438	0.2131 0.2322	0.2167 0.2087	0.2050	Ave		0.2182				5.8		15.0			
Naphthalene	0.8531 0.7780	0.8785 0.8173	0.8840 0.7547	0.8259 0.5592	0.7504	Ave		0.7890				13.0		15.0			
4-Chloroaniline	0.2655 0.3208	0.2973 0.3507	0.3022 0.3382	0.2974 0.2987	0.2974	Ave		0.3076				8.3		15.0			
Hexachlorobutadiene	0.1309 0.1262	0.1291 0.1363	0.1375 0.1287	0.1294 0.1207	0.1214	Ave		0.1289				4.5		15.0			
Caprolactam	0.0855 0.1171	0.0835 0.1322	0.0942 0.1180	0.0968 0.1134	0.1022	Lin1	-0.007	0.1178							0.9950		0.9900
4-Nitrophenol	+++++ 0.1367	0.0511 0.1436	0.0855 0.1488	0.0867 0.1535	0.1145	Lin1	-0.036	0.1504			0.0500				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.: 360-24244-2 Analy Batch No.: 48839

SDG No.: OCRI-04A

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

Calibration Start Date: 09/11/2009 11:16 Calibration End Date: 09/11/2009 15:48 Calibration ID: 4403

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.1678 0.2194	0.1953 0.2442	0.1980 0.2320	0.2052 0.2163	0.1936	Ave		0.2080				11.0		15.0			
2-Methylnaphthalene	0.5591 0.5240	0.5549 0.5690	0.5605 0.5319	0.5437 0.4354	0.4927	Ave		0.5301				8.0		15.0			
1-Methylnaphthalene	0.5531 0.5252	0.5646 0.5715	0.5831 0.5270	0.5441 0.4364	0.4977	Ave		0.5336				8.4		15.0			
1,2,4,5-Tetrachlorobenzene	0.2374 0.2236	0.2390 0.2429	0.2382 0.2317	0.2310 0.2025	0.2138	Ave		0.2289				5.8		15.0			
Hexachlorocyclopentadiene	0.1073 0.1759	0.1212 0.1971	0.1354 0.1998	0.1384 0.1928	0.1434	Lin1	-0.018	0.1916			0.0500				0.9940		0.9900
4,6-Dinitro-2-methylphenol	+++++ 0.0904	0.0172 0.1087	0.0292 0.1181	0.0374 0.1223	0.0605	Lin	-0.098	0.1258							0.9960		0.9900
2,4,6-Trichlorophenol	0.2180 0.3272	0.2618 0.3467	0.2850 0.3591	0.2935 0.3553	0.3113	Ave		0.3064				15.0		15.0			
2,4,5-Trichlorophenol	0.2263 0.3372	0.2628 0.3329	0.3003 0.3623	0.3139 0.3550	0.3343	Ave		0.3139				14.0		15.0			
1,1'-Biphenyl	1.3979 1.4317	1.4872 1.3901	1.5201 1.3678	1.4338 1.1010	1.4455	Ave		1.3972				8.6		15.0			
2-Chloronaphthalene	1.1993 1.2995	1.2610 1.2248	1.3802 1.3205	1.3052 1.1160	1.2583	Ave		1.2627				6.1		15.0			
Phenyl ether	0.3531 0.3482	0.3871 0.3876	0.3810 0.3665	0.3696 0.3159	0.3330	Ave		0.3602				6.9		15.0			
2-Nitroaniline	0.2104 0.3173	0.2276 0.3261	0.2760 0.3306	0.2851 0.3352	0.3046	Lin2	-0.012	0.3149							0.9950		0.9900
Dimethyl phthalate	1.1008 1.2492	1.1879 1.2085	1.2892 1.1556	1.2507 1.0543	1.2202	Ave		1.1907				6.4		15.0			
2,6-Dinitrotoluene	0.1946 0.2999	0.2551 0.3085	0.2746 0.3065	0.2884 0.3033	0.2923	Ave		0.2804				13.0		15.0			
Pentachlorophenol	+++++ 0.0750	0.0127 0.0896	0.0154 0.0949	0.0311 0.1104	0.0530	Lin	-0.108	0.1118							0.9920		0.9900
Acenaphthylene	1.4179 1.7143	1.6194 1.6515	1.7141 1.6423	1.6834 1.3192	1.6715	Ave		1.6037				8.7		15.0			
3-Nitroaniline	0.2060 0.2902	0.2446 0.2997	0.2566 0.3037	0.2654 0.3029	0.2784	Ave		0.2719				12.0		15.0			
Acenaphthene	1.0568 1.1471	1.2082 1.1350	1.1914 1.1153	1.1554 0.9694	1.1264	Ave		1.1228				6.4		15.0			
Dibenzofuran	1.4484 1.5131	1.5451 1.4826	1.5783 1.4706	1.5433 1.1850	1.4426	Ave		1.4677				7.9		15.0			
2,4-Dinitrotoluene	0.2007 0.3851	0.2465 0.3954	0.3099 0.4102	0.3373 0.3861	0.3614	Lin2	-0.020	0.3773							0.9930		0.9900

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24244-2 Analy Batch No.: 48839

SDG No.: OCRI-04A

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

Calibration Start Date: 09/11/2009 11:16 Calibration End Date: 09/11/2009 15:48 Calibration ID: 4403

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,3,4,6-Tetrachlorophenol	0.1097 0.2379	0.1646 0.2476	0.1957 0.2685	0.1937 0.2624	0.2188	Lin2	-0.014	0.2394							0.9900		0.9900
Diethyl phthalate	1.2625 1.2553	1.3181 1.2322	1.2966 1.2037	1.2844 1.0723	1.2284	Ave		1.2393				5.8		15.0			
4-Chlorophenyl phenyl ether	0.5173 0.5831	0.5706 0.5785	0.5787 0.5747	0.5649 0.5367	0.5648	Ave		0.5633				3.9		15.0			
Fluorene	1.1500 1.2814	1.2274 1.2732	1.2877 1.2481	1.2567 1.0638	1.2288	Ave		1.2241				6.0		15.0			
4-Nitroaniline	0.1268 0.2200	0.1797 0.2656	0.1952 0.2776	0.2058 0.2872	0.2167	Lin1	-0.027	0.2722							0.9920		0.9900
Diphenylamine	0.5770 0.6645	0.6298 0.6706	0.6754 0.6570	0.6561 0.5691	0.6472	Ave		0.6385				6.2		15.0			
N-Nitrosodiphenylamine	0.5770 0.6645	0.6298 0.6706	0.6754 0.6570	0.6561 0.5691	0.6472	Ave		0.6385				6.2		15.0			
1,2-Diphenylhydrazine	0.6461 0.7623	0.7006 0.7432	0.7709 0.7286	0.7608 0.6153	0.7516	Ave		0.7199				7.7		15.0			
Azobenzene	0.6461 0.7623	0.7006 0.7432	0.7709 0.7286	0.7608 0.6153	0.7516	Ave		0.7199				7.7		15.0			
Benzophenone	0.5951 0.6110	0.6097 0.6068	0.6404 0.5914	0.6349 0.5435	0.6139	Ave		0.6052				4.7		15.0			
4-Bromophenyl phenyl ether	0.1716 0.1864	0.1826 0.1909	0.1945 0.1866	0.1857 0.1886	0.1822	Ave		0.1855				3.5		15.0			
Atrazine	0.1500 0.1985	0.1727 0.1946	0.1837 0.1949	0.1890 0.1827	0.1867	Ave		0.1837				8.1		15.0			
Hexachlorobenzene	0.1628 0.1778	0.1898 0.1796	0.1791 0.1751	0.1842 0.1807	0.1743	Ave		0.1782				4.2		15.0			
Pentachloronitrobenzene	0.0526 0.0778	0.0551 0.0773	0.0685 0.0791	0.0662 0.0773	0.0726	Ave		0.0696				14.0		15.0			
Phenanthrene	1.0448 1.0531	1.1015 1.0110	1.0759 0.9225	1.0656 0.8122	1.0274	Ave		1.0127				9.0		15.0			
Anthracene	0.8561 1.0262	0.9098 0.9897	0.9924 0.9368	0.9908 0.7714	0.9728	Ave		0.9384				8.6		15.0			
Carbazole	0.6666 0.7731	0.7739 0.8076	0.8302 0.7844	0.8244 0.7269	0.7911	Ave		0.7753				6.6		15.0			
Di-n-butyl phthalate	1.9457 1.2801	1.3780 1.1269	1.3029 1.0635	1.3163 0.8143	1.2329	Qua	0.0265	1.3397	-0.026						0.9990		0.9900
Pyrene	1.9376 1.5667	1.9003 1.4209	1.7126 1.4642	1.6897 1.1548	1.5194	Ave		1.5962				15.0		15.0			
Benzidine	0.0417 0.3386	0.0653 0.4519	0.1158 0.4814	0.1400 0.6552	0.2344	Qua	-0.134	0.3114	0.0176						0.9990		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.: 360-24244-2 Analy Batch No.: 48839

SDG No.: OCRI-04A

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

Calibration Start Date: 09/11/2009 11:16 Calibration End Date: 09/11/2009 15:48 Calibration ID: 4403

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	0.7883 1.0106	0.8822 1.0131	0.9505 1.0150	0.9561 0.8799	0.9741	Ave		0.9411				8.2		15.0			
Butyl benzyl phthalate	0.8075 0.9105	0.9274 0.8172	0.8287 0.8440	0.9115 0.7291	0.8196	Ave		0.8439				7.5		15.0			
3,3'-Dichlorobenzidine	0.2428 0.6348	0.3760 0.6762	0.4432 0.7184	0.5119 0.7140	0.5848	Lin1	-0.077	0.6982							0.9970		0.9900
Bis(2-ethylhexyl) phthalate	1.1222 1.2313	1.1345 1.1405	1.0339 1.1983	1.1373 1.0373	1.0885	Ave		1.1249				5.8		15.0			
Benzo[a]anthracene	0.8349 0.9676	0.8764 0.9663	0.8837 1.0149	0.9474 1.0121	0.9329	Ave		0.9373				6.6		15.0			
Chrysene	0.7904 0.8767	0.8618 0.8765	0.8882 0.9015	0.9016 0.9018	0.8623	Ave		0.8734				4.0		15.0			
Di-n-octyl phthalate	1.2877 3.2985	1.8992 2.7724	1.7046 2.9760	2.4346 2.5271	2.5090	Qua	-0.663	3.3474	-0.039						0.9970		0.9900
Benzo[b]fluoranthene	1.1043 1.3472	1.1950 1.3031	1.2160 1.3896	1.1796 1.3823	1.1935	Ave		1.2567				8.1		15.0			
Benzo[k]fluoranthene	0.9095 1.2297	1.0534 1.1894	1.0122 1.2368	1.2698 1.2770	1.1600	Ave		1.1487				11.0		15.0			
Benzo[a]pyrene	0.5584 0.9110	0.6562 0.9383	0.7102 0.9839	0.7556 1.0458	0.8167	Lin1	-0.087	0.9920							0.9950		0.9900
Indeno[1,2,3-cd]pyrene	0.4744 0.6254	0.4202 0.7588	0.4527 0.7807	0.5014 0.8260	0.5829	Lin	-0.380	0.8297							0.9960		0.9900
Dibenz(a,h)anthracene	0.4141 0.5055	0.3634 0.6212	0.3817 0.6476	0.3998 0.6721	0.4718	Lin	-0.304	0.6770							0.9960		0.9900
Benzo[g,h,i]perylene	0.6063 0.5273	0.4397 0.6258	0.4533 0.6454	0.4637 0.6560	0.4936	Lin1	-0.041	0.6268							0.9920		0.9900
2-Fluorophenol	0.5580 0.5482	0.5411 0.4665	0.5637 0.4576	0.6279 +++++	0.5597	Ave		0.5403				10.0		15.0			
Phenol-d5	0.6695 0.6509	0.7001 0.5737	0.7239 0.5626	0.7562 +++++	0.6736	Ave		0.6638				10.0		15.0			
Nitrobenzene-d5	0.2774 0.2795	0.2727 0.3059	0.2892 0.2958	0.2777 0.2698	0.2612	Ave		0.2810				4.9		15.0			
2-Fluorobiphenyl	1.2606 1.3036	1.3159 1.2713	1.3877 1.2858	1.3260 1.0941	1.3039	Ave		1.2832				6.2		15.0			
2,4,6-Tribromophenol	0.0374 0.0698	0.0439 0.0724	0.0510 0.0768	0.0580 0.0804	0.0639	Lin1	-0.008	0.0767							0.9960		0.9900
Terphenyl-d14	1.1123 0.9748	1.1104 0.8980	1.0335 0.9275	1.0453 0.8190	0.9207	Ave		0.9824				10.0		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-24244-2 Analy Batch No.: 48839

SDG No.: OCRI-04A

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

Calibration Start Date: 09/11/2009 11:16 Calibration End Date: 09/11/2009 15:48 Calibration ID: 4403

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-48839/3	B10185.D
Level 2	STD025 360-48839/4	B10186.D
Level 3	STD05 360-48839/5	B10187.D
Level 4	STD1 360-48839/6	B10188.D
Level 5	STD25 360-48839/7	B10189.D
Level 6	STD5 360-48839/2	B10184.D
Level 7	STD8 360-48839/8	B10190.D
Level 8	STD10 360-48839/9	B10191.D
Level 9	STD20 360-48839/10	B10192.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Qua	10331 322953	21899 571011	35938 714342	63428 1284394	145028	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyridine	DCB	Ave	12456 837240	39961 1503742	69722 1899961	153763 +++++	369562	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
N-Nitrosodimethylamine	DCB	Ave	10256 557615	26036 1040810	50477 1284202	102422 +++++	254662	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Benzoic acid	NPT	Qua	+++++ 135111	+++++ 386493	1861 706750	3761 1991189	15389	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Lin	+++++ 124320	+++++ 304819	+++++ 454241	3727 947842	30064	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
Benzaldehyde	DCB	Ave	7958 438767	21771 812323	38437 955900	78821 +++++	198108	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Phenol	DCB	Ave	16884 1100633	50495 2005036	94888 2497633	201572 +++++	481741	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Aniline	DCB	Ave	18482 1284972	55565 2420091	102557 3061417	220300 +++++	560060	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Bis(2-chloroethyl)ether	DCB	Ave	15178 872697	42330 1556453	80597 1868022	168670 +++++	400731	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Chlorophenol	DCB	Ave	14820 980772	45675 1788082	86847 2205810	175948 +++++	444625	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
1,4-Dichlorobenzene	DCB	Ave	20700 1143737	57700 2021554	108068 2496569	212255 +++++	514026	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
1,3-Dichlorobenzene	DCB	Ave	21111 1174055	59507 2116153	110265 2623439	225532 +++++	534452	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Benzyl alcohol	DCB	Lin2	6987 769349	28018 1405770	61353 1752977	128092 +++++	336804	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
1,2-Dichlorobenzene	DCB	Ave	19943 1077669	54855 1968955	103087 2386710	203785 +++++	488315	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.: 360-24244-2 Analy Batch No.: 48839

SDG No.: OCRI-04A

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

Calibration Start Date: 09/11/2009 11:16 Calibration End Date: 09/11/2009 15:48 Calibration ID: 4403

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2-Methylphenol	DCB	Ave	13184 855947	36973 1543395	73810 1903725	154977 +++++	378382	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,2'-oxybis[1-chloropropane]	DCB	Ave	28100 1541988	80291 2744595	140248 3441358	298525 +++++	717651	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
3 & 4 Methylphenol	DCB	Ave	12764 902708	39526 1635970	77087 2026560	162793 +++++	402774	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Acetophenone	DCB	Ave	21930 1293123	59454 2327012	113635 2868520	238289 +++++	579030	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	9465 665477	29189 1193235	55854 1478131	120173 +++++	291782	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Hexachloroethane	DCB	Ave	7106 423730	19400 757281	36703 953557	77559 +++++	189747	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Nitrobenzene	NPT	Ave	14939 994817	45503 1784418	85293 2207142	183877 3929087	443470	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Isophorone	NPT	Ave	23411 1681055	69590 3068301	139662 3771132	292722 6339624	759257	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Ave	11469 842621	36218 1479451	71655 1802599	146108 3206300	363051	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitrophenol	NPT	Ave	6228 534726	20220 1036142	43764 1273180	94913 2229624	238782	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	16583 1009065	48136 1826620	93068 2249345	188771 3849133	451297	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dichlorophenol	NPT	Ave	10457 783071	31877 1402814	63378 1793703	135697 3219499	344447	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Ave	16015 908725	45091 1625128	82933 1971133	170538 3427827	402396	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Ave	12398 796921	35096 1454865	63765 1785653	139081 3117707	349237	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Ave	50943 2798556	143224 4876764	264563 5803602	530008 8353905	1278547	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloroaniline	NPT	Ave	15856 1153788	48474 2092505	90446 2600539	190870 4462642	506727	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobutadiene	NPT	Ave	7816 453852	21039 813521	41152 989861	83015 1803510	206878	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Caprolactam	NPT	Lin1	5107 421093	13613 788731	28191 907694	62136 1694177	174196	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin1	+++++ 223030	4073 423479	11921 522045	25836 985277	83794	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloro-3-methylphenol	NPT	Ave	10022 789146	31845 1457481	59253 1784080	131715 3231752	329818	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Ave	33389 1884989	90459 3395484	167743 4090514	348940 6504050	839474	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.: 360-24244-2 Analy Batch No.: 48839

SDG No.: OCRI-04A

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

Calibration Start Date: 09/11/2009 11:16 Calibration End Date: 09/11/2009 15:48 Calibration ID: 4403

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	33031 1889259	92043 3410213	174509 4053040	349155 6519729	848041	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	14179 804392	38967 1449305	71286 1781925	148240 3024839	364187	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorocyclopentadiene	ANT	Lin1	3158 286998	9672 581107	18877 700917	41262 1236939	104988	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	+++++ 240324	2184 524473	6637 686752	17857 1294512	72128	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Trichlorophenol	ANT	Ave	6415 533940	20882 1022307	39731 1259614	87518 2279590	227943	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Ave	6658 550325	20961 981526	41872 1270858	93587 2277875	244728	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	41133 2336555	118634 4098703	211948 4798160	427492 7064686	1058320	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	35290 2120750	100588 3611448	192429 4632517	389129 7160956	921217	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	21083 1252648	63109 2313156	114038 2818236	237201 4718811	567437	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Lin2	6190 517796	18159 961652	38476 1159768	84991 2151050	223026	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	32393 2038757	94755 3563218	179750 4053721	372888 6764787	893324	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Ave	5727 489507	20352 909691	38281 1075058	85992 1946239	213984	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachlorophenol	PHN	Lin	+++++ 199430	1619 432336	3504 552011	14834 1168260	63170	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	41721 2797692	129181 4869558	238986 5761231	501903 8464717	1223724	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Ave	6061 473632	19511 883689	35771 1065340	79140 1943555	203857	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	31098 1872063	96380 3346597	166105 3912513	344483 6220054	824657	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	42621 2469422	123252 4371561	220054 5158803	460118 7603700	1056146	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin2	5905 628447	19664 1165852	43205 1439026	100576 2477491	264609	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,3,4,6-Tetrachlorophenol	ANT	Lin2	3229 388310	13128 730146	27280 942026	57751 1683999	160170	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	37150 2048565	105142 3633079	180782 4222473	382947 6880396	899346	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chlorophenyl phenyl ether	ANT	Ave	15222 951662	45516 1705819	80684 2016091	168435 3443813	413517	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.: 360-24244-2 Analy Batch No.: 48839

SDG No.: OCRI-04A

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

Calibration Start Date: 09/11/2009 11:16 Calibration End Date: 09/11/2009 15:48 Calibration ID: 4403

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	33839 2091173	97907 3754023	179545 4378521	374693 6825826	899643	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitroaniline	ANT	Lin1	3731 359114	14332 783024	27215 973664	61345 1842992	158638	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	26132 1766555	80164 3235604	153744 3819510	312881 6022109	772004	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	26132 1766555	80164 3235604	153744 3819510	312881 6022109	772004	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	29259 2026605	89174 3586145	175473 4236107	362804 6511090	896556	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	29259 2026605	89174 3586145	175473 4236107	362804 6511090	896556	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzophenone	PHN	Ave	26949 1624283	77604 2927650	145780 3438538	302761 5750542	732291	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	7772 495453	23247 921230	44281 1084718	88535 1996050	217311	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Ave	6794 527823	21983 939082	41826 1133301	90112 1933621	222765	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	7374 472668	24153 866494	40777 1017996	87858 1912268	207902	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Ave	2382 206962	7016 373068	15590 460067	31548 818153	86603	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	47318 2799669	140196 4878222	244900 5363342	508123 8594501	1225571	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	38771 2728081	115802 4775140	225908 5446285	472488 8162378	1160450	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	30187 2055282	98499 3896681	188967 4560138	393134 7692097	943708	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Qua	88117 3403071	175398 5437422	296578 6183016	627707 8616125	1470752	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	37925 2549113	110651 4632122	206558 5574419	432768 8748381	1103208	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Qua	1887 900173	8313 2180231	26357 2799026	66783 6932893	279556	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	35701 2686569	112284 4888355	216350 5901253	455931 9310111	1162027	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Ave	15805 1481391	54004 2664000	99957 3213152	233459 5523469	595062	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	4752 1032902	21893 2204466	53451 2734831	131117 5409571	424620	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Ave	21965 2003374	66060 3718073	124698 4561943	291294 7858426	790360	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.: 360-24244-2 Analy Batch No.: 48839

SDG No.: OCRI-04A

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

Calibration Start Date: 09/11/2009 11:16 Calibration End Date: 09/11/2009 15:48 Calibration ID: 4403

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	16341 1574382	51031 3149970	106583 3863628	242651 7667273	677322	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Chrysene	CRY	Ave	15470 1426441	50180 2857443	107124 3431991	230919 6831650	626130	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Qua	13021 2850033	58265 5243063	120011 6515295	332343 10743746	1038126	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Ave	11167 1164025	36660 2464371	85612 3042191	161029 5876911	493832	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Ave	9197 1062467	32318 2249360	71262 2707688	173342 5429062	479978	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Lin1	5647 787086	20130 1774468	50003 2154097	103145 4446095	337898	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	Lin	4797 540402	12891 1435049	31870 1709137	68452 3511682	241187	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Lin	4187 436799	11148 1174770	26872 1417750	54577 2857400	195223	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[g,h,i]perylene	PRY	Lin1	6131 455582	13490 1183560	31917 1412874	63302 2788886	204229	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	13919 906098	37164 1589004	71091 2001841	163819 +++++	397822	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Phenol-d5	DCB	Ave	16700 1075857	48085 1954181	91291 2461052	197290 +++++	478774	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Nitrobenzene-d5	NPT	Ave	16564 1005202	44463 1825401	86549 2274825	178222 4031166	445058	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorobiphenyl	ANT	Ave	37095 2127518	104966 3748403	193484 4510738	395343 7020794	954592	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	1696 185680	5590 349214	11609 446347	27676 850821	76254	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	21772 1586115	64660 2927370	124652 3531238	267733 6204747	668516	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\20090911-2.b\B10184.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	11-Sep-2009 11:16:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	STD5		
Misc. Info.:	360-0001138-002		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	2
Lims Batch ID:	48839	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\8270B.m		
Last Update:	14-Sep-2009 11:43:36	Calib Date:	11-Sep-2009 11:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10184.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 14-Sep-2009 11:43:36

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.452	7.452	0.000	661185	2.00	
* 2 Naphthalene-d8	136	8.582	8.582	0.000	1438814	2.00	
* 3 Acenaphthene-d10	164	10.092	10.092	0.000	652794	2.00	
* 4 Phenanthrene-d10	188	11.333	11.333	0.000	1063406	2.00	
* 5 Chrysene-d12	240	14.473	14.473	0.000	650825	2.00	
* 6 Perylene-d12	264	16.926	16.926	0.000	345611	2.00	
$ 7 2-Fluorophenol	112	6.236	6.236	0.000	906098	5.00	
$ 8 Phenol-d5	99	7.140	7.140	0.000	1075857	5.00	
$ 9 Nitrobenzene-d5	82	7.972	7.972	0.000	1005202	5.00	
$ 10 2-Fluorobiphenyl	172	9.491	9.491	0.000	2127518	5.00	
$ 11 2,4,6-Tribromophenol	330	10.756	10.756	0.000	185680	5.00	
$ 12 Terphenyl-d14	244	12.766	12.766	0.000	1586115	5.00	
14 1,4-Dioxane	88	3.610	3.610	0.000	322953	5.00	
16 Pyridine	79	4.379	4.379	0.000	837240	5.00	
15 N-Nitrosodimethylamine	42	4.423	4.423	0.000	557615	5.00	
17 Benzaldehyde	105	7.063	7.063	0.000	438767	5.00	
18 Phenol	94	7.149	7.149	0.000	1100633	5.00	
19 Aniline	93	7.188	7.188	0.000	1284972	5.00	
20 Bis(2-chloroethyl)ether	93	7.226	7.226	0.000	872697	5.00	
21 2-Chlorophenol	128	7.289	7.289	0.000	980772	5.00	
22 1,4-Dichlorobenzene	146	7.419	7.419	0.000	1143737	5.00	
23 1,3-Dichlorobenzene	146	7.467	7.467	0.000	1174055	5.00	
24 Benzyl alcohol	79	7.582	7.582	0.000	769349	5.00	
25 1,2-Dichlorobenzene	146	7.640	7.640	0.000	1077669	5.00	
26 2-Methylphenol	108	7.683	7.683	0.000	855947	5.00	
27 2,2'-oxybis[1-chloropropane]	45	7.712	7.712	0.000	1541988	5.00	
30 Acetophenone	105	7.827	7.827	0.000	1293123	5.00	
28 3 & 4 Methylphenol	108	7.808	7.808	0.000	902708	5.00	
29 N-Nitrosodi-n-propylamine	70	7.832	7.832	0.000	665477	5.00	
31 Hexachloroethane	117	7.914	7.914	0.000	423730	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.986	7.986	0.000	994817	5.00	
33 Isophorone	82	8.174	8.174	0.000	1681055	5.00	
35 2,4-Dimethylphenol	107	8.265	8.265	0.000	842621	5.00	
34 2-Nitrophenol	139	8.265	8.265	0.000	534726	5.00	
36 Benzoic acid	105	8.327	8.327	0.000	135111	5.00	
37 Bis(2-chloroethoxy)methane	93	8.347	8.347	0.000	1009065	5.00	
38 2,4-Dichlorophenol	162	8.457	8.457	0.000	783071	5.00	
39 1,2,4-Trichlorobenzene	180	8.539	8.539	0.000	908725	5.00	
40 Alpha-Terpineol	59	8.563	8.563	0.000	796921	5.00	
41 Naphthalene	128	8.602	8.602	0.000	2798556	5.00	
42 4-Chloroaniline	127	8.650	8.650	0.000	1153788	5.00	
43 Hexachlorobutadiene	225	8.736	8.736	0.000	453852	5.00	
44 Caprolactam	55	8.914	8.914	0.000	421093	5.00	
45 4-Chloro-3-methylphenol	107	9.030	9.030	0.000	789146	5.00	
46 2-Methylnaphthalene	142	9.183	9.183	0.000	1884989	5.00	
47 1-Methylnaphthalene	142	9.280	9.280	0.000	1889259	5.00	
49 1,2,4,5-Tetrachlorobenzene	216	9.361	9.361	0.000	804392	5.00	
48 Hexachlorocyclopentadiene	237	9.366	9.366	0.000	286998	5.00	
50 2,4,6-Trichlorophenol	196	9.433	9.433	0.000	533940	5.00	
51 2,4,5-Trichlorophenol	196	9.472	9.472	0.000	550325	5.00	
52 1,1'-Biphenyl	154	9.573	9.573	0.000	2336555	5.00	
53 2-Chloronaphthalene	162	9.602	9.602	0.000	2120750	5.00	
54 Phenyl ether	170	9.660	9.660	0.000	1252648	5.00	
55 2-Nitroaniline	65	9.698	9.698	0.000	517796	5.00	
56 Dimethyl phthalate	163	9.842	9.842	0.000	2038757	5.00	
57 2,6-Dinitrotoluene	165	9.919	9.919	0.000	489507	5.00	
58 Acenaphthylene	152	9.967	9.967	0.000	2797692	5.00	
61 Acenaphthene	153	10.116	10.116	0.000	1872063	5.00	
59 3-Nitroaniline	138	10.044	10.044	0.000	473632	5.00	
60 2,4-Dinitrophenol	184	10.126	10.126	0.000	124320	5.00	
62 4-Nitrophenol	109	10.145	10.145	0.000	223030	5.00	
64 Dibenzofuran	168	10.246	10.246	0.000	2469422	5.00	
63 2,4-Dinitrotoluene	165	10.251	10.251	0.000	628447	5.00	
65 2,3,4,6-Tetrachlorophenol	232	10.376	10.376	0.000	388310	5.00	
66 Diethyl phthalate	149	10.419	10.419	0.000	2048565	5.00	
67 4-Chlorophenyl phenyl ether	204	10.506	10.506	0.000	951662	5.00	
68 4-Nitroaniline	138	10.564	10.564	0.000	359114	5.00	
70 4,6-Dinitro-2-methylphenol	198	10.592	10.592	0.000	240324	5.00	
69 Fluorene	166	10.540	10.540	0.000	2091173	5.00	
71 Diphenylamine	169	10.607	10.607	0.000	1766555	5.00	
72 N-Nitrosodiphenylamine	169	10.607	10.607	0.000	1766555	5.00	
73 1,2-Diphenylhydrazine	77	10.641	10.641	0.000	2026605	5.00	
74 Azobenzene	77	10.641	10.641	0.000	2026605	5.00	
13 Benzophenone	105	10.665	10.665	0.000	1624283	5.00	
75 4-Bromophenyl phenyl ether	248	10.919	10.919	0.000	495453	5.00	
77 Atrazine	200	11.044	11.044	0.000	527823	5.00	
76 Hexachlorobenzene	284	11.073	11.073	0.000	472668	5.00	
78 Pentachlorophenol	266	11.213	11.213	0.000	199430	5.00	
79 Pentachloronitrobenzene	237	11.275	11.275	0.000	206962	5.00	
80 Phenanthrene	178	11.352	11.352	0.000	2799669	5.00	
81 Anthracene	178	11.391	11.391	0.000	2728081	5.00	
83 Carbazole	167	11.511	11.511	0.000	2055282	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.761	11.761	0.000	3403071	5.00	
85 Pyrene	202	12.405	12.405	0.000	2549113	5.00	
86 Benzidine	184	12.497	12.497	0.000	900173	5.00	
87 Fluoranthene	202	12.655	12.655	0.000	2686569	5.00	
89 Butyl benzyl phthalate	149	13.386	13.386	0.000	1481391	5.00	
91 3,3'-Dichlorobenzidine	252	14.367	14.367	0.000	1032902	5.00	
92 Bis(2-ethylhexyl) phthalate	149	14.391	14.391	0.000	2003374	5.00	
93 Benzo[a]anthracene	228	14.435	14.435	0.000	1574382	5.00	
94 Chrysene	228	14.526	14.526	0.000	1426441	5.00	
95 Di-n-octyl phthalate	149	15.632	15.632	0.000	2850033	5.00	
98 Benzo[k]fluoranthene	252	16.358	16.358	0.000	1062467	5.00	
97 Benzo[b]fluoranthene	252	16.325	16.325	0.000	1164025	5.00	
99 Benzo[a]pyrene	252	16.834	16.834	0.000	787086	5.00	
100 Indeno[1,2,3-cd]pyrene	276	18.945	18.945	0.000	540402	5.00	
101 Dibenz(a,h)anthracene	278	18.950	18.950	0.000	436799	5.00	
102 Benzo[g,h,i]perylene	276	19.537	19.537	0.000	455582	5.00	

Report Date: 14-Sep-2009 11:43:37 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090911-2.b\B10184.D

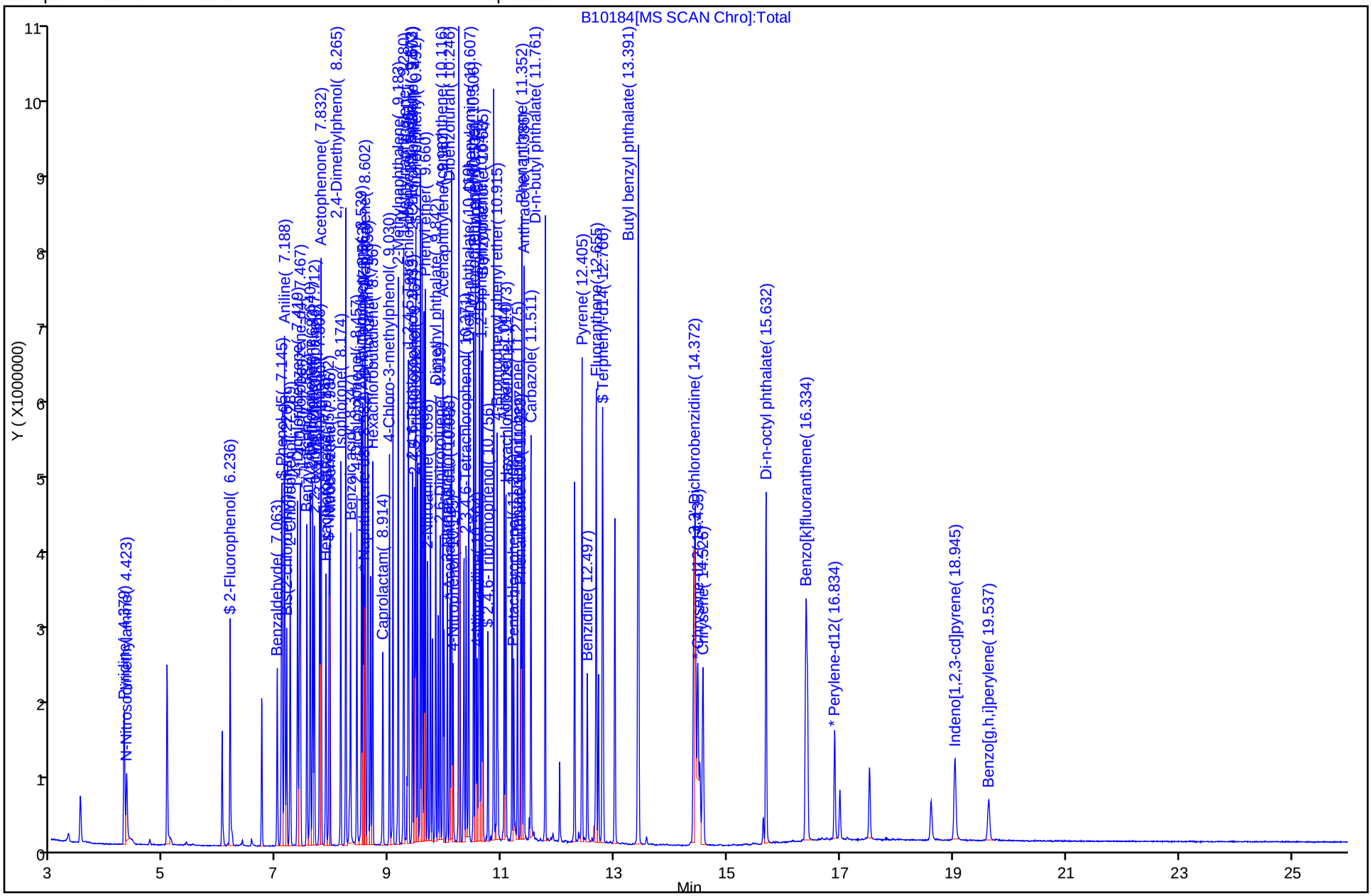
Inj Date: 11-Sep-2009 11:16:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48839 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: STD5

Sample Amount: 2.00 uL Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10185.D		
Lims ID:	STD01	Client ID:	
Inject. Date:	11-Sep-2009 11:50:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD01		
Misc. Info.:	360-0001138-003		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	3
Lims Batch ID:	48839	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\8270B.m		
Last Update:	14-Sep-2009 11:45:54	Calib Date:	11-Sep-2009 11:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10185.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	14-Sep-2009 11:45:54

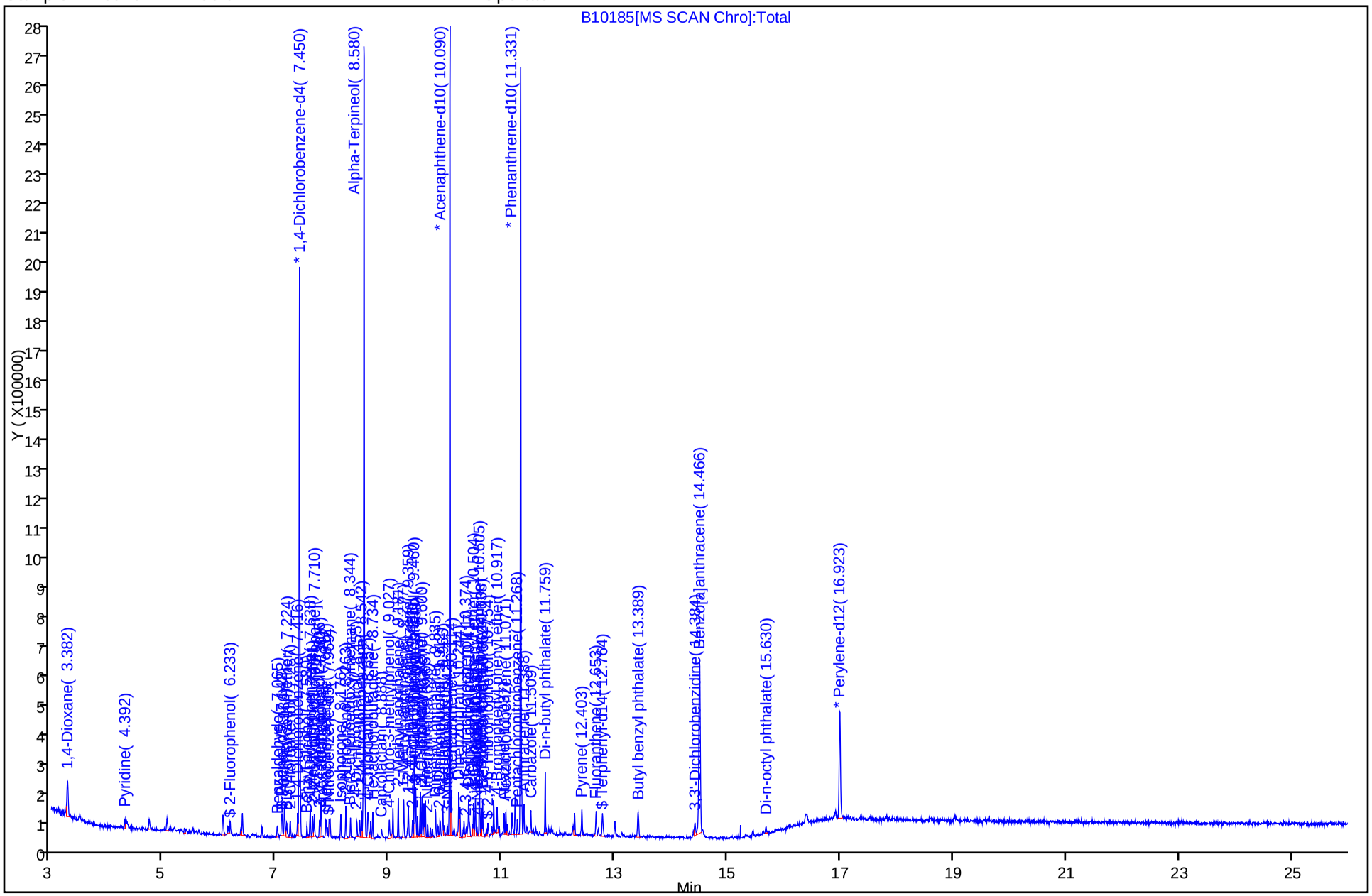
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.450	7.452	-0.002	498916	2.00	
* 2 Naphthalene-d8	136	8.585	8.582	0.003	1194335	2.00	
* 3 Acenaphthene-d10	164	10.090	10.092	-0.002	588510	2.00	
* 4 Phenanthrene-d10	188	11.331	11.333	-0.002	905762	2.00	
* 5 Chrysene-d12	240	14.466	14.473	-0.007	391467	2.00	
* 6 Perylene-d12	264	16.928	16.926	0.002	202239	2.00	
$ 7 2-Fluorophenol	112	6.233	6.236	-0.003	13919	0.1009	
$ 8 Phenol-d5	99	7.133	7.140	-0.007	16700	0.1014	
$ 9 Nitrobenzene-d5	82	7.969	7.972	-0.003	16564	0.0996	
$ 10 2-Fluorobiphenyl	172	9.489	9.491	-0.002	37095	0.0983	
$ 11 2,4,6-Tribromophenol	330	10.758	10.756	0.002	1696	0.1000	
$ 12 Terphenyl-d14	244	12.764	12.766	-0.002	21772	0.1066	
14 1,4-Dioxane	88	3.598	3.610	-0.012	10331	0.1000	
16 Pyridine	79	4.392	4.379	0.013	12456	0.0993	
15 N-Nitrosodimethylamine	42	4.425	4.423	0.002	10256	0.1099	
17 Benzaldehyde	105	7.061	7.063	-0.003	7958	0.1092	
18 Phenol	94	7.147	7.149	-0.002	16884	0.1008	
19 Aniline	93	7.186	7.188	-0.002	18482	0.0976	
20 Bis(2-chloroethyl)ether	93	7.224	7.226	-0.002	15178	0.1071	
21 2-Chlorophenol	128	7.287	7.289	-0.002	14820	0.1001	
22 1,4-Dichlorobenzene	146	7.416	7.419	-0.003	20700	0.1091	
23 1,3-Dichlorobenzene	146	7.464	7.467	-0.003	21111	0.1087	
24 Benzyl alcohol	79	7.580	7.582	-0.002	6987	0.1000	
25 1,2-Dichlorobenzene	146	7.638	7.640	-0.002	19943	0.1102	
26 2-Methylphenol	108	7.681	7.683	-0.002	13184	0.1010	
27 2,2'-oxybis[1-chloropropane]	45	7.710	7.712	-0.002	28100	0.1094	
28 3 & 4 Methylphenol	108	7.806	7.808	-0.002	12764	0.0967	
30 Acetophenone	105	7.825	7.827	-0.002	21930	0.1058	
29 N-Nitrosodi-n-propylamine	70	7.830	7.832	-0.002	9465	0.0970	
31 Hexachloroethane	117	7.916	7.914	0.002	7106	0.1053	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.984	7.986	-0.002	14939	0.0950	
33 Isophorone	82	8.176	8.174	0.002	23411	0.0912	
34 2-Nitrophenol	139	8.263	8.265	-0.002	6228	0.1000	
35 2,4-Dimethylphenol	107	8.263	8.265	-0.002	11469	0.0901	
37 Bis(2-chloroethoxy)methane	93	8.344	8.347	-0.003	16583	0.0995	
38 2,4-Dichlorophenol	162	8.455	8.457	-0.002	10457	0.0892	
39 1,2,4-Trichlorobenzene	180	8.542	8.539	0.003	16015	0.1030	
40 Alpha-Terpineol	59	8.561	8.563	-0.002	12398	0.0968	
41 Naphthalene	128	8.599	8.602	-0.003	50943	0.1046	
42 4-Chloroaniline	127	8.647	8.650	-0.003	15856	0.0906	
43 Hexachlorobutadiene	225	8.734	8.736	-0.002	7816	0.1018	
44 Caprolactam	55	8.888	8.914	-0.026	5107	0.1000	
45 4-Chloro-3-methylphenol	107	9.027	9.030	-0.003	10022	0.1000	
46 2-Methylnaphthalene	142	9.181	9.183	-0.002	33389	0.1032	
47 1-Methylnaphthalene	142	9.277	9.280	-0.003	33031	0.1026	
49 1,2,4,5-Tetrachlorobenzene	216	9.359	9.361	-0.002	14179	0.1030	
48 Hexachlorocyclopentadiene	237	9.364	9.366	-0.002	3158	0.1000	
50 2,4,6-Trichlorophenol	196	9.431	9.433	-0.002	6415	0.1000	
51 2,4,5-Trichlorophenol	196	9.465	9.472	-0.007	6658	0.1000	
52 1,1'-Biphenyl	154	9.571	9.573	-0.002	41133	0.0988	
53 2-Chloronaphthalene	162	9.600	9.602	-0.002	35290	0.0960	
54 Phenyl ether	170	9.657	9.660	-0.003	21083	0.1007	
55 2-Nitroaniline	65	9.701	9.698	0.003	6190	0.1000	
56 Dimethyl phthalate	163	9.840	9.842	-0.002	32393	0.0937	
57 2,6-Dinitrotoluene	165	9.917	9.919	-0.002	5727	0.1000	
58 Acenaphthylene	152	9.965	9.967	-0.002	41721	0.0905	
59 3-Nitroaniline	138	10.042	10.044	-0.002	6061	0.1000	
61 Acenaphthene	153	10.114	10.116	-0.002	31098	0.0959	
64 Dibenzofuran	168	10.244	10.246	-0.002	42621	0.0978	
63 2,4-Dinitrotoluene	165	10.249	10.251	-0.002	5905	0.1000	
65 2,3,4,6-Tetrachlorophenol	232	10.374	10.376	-0.002	3229	0.1000	
66 Diethyl phthalate	149	10.417	10.419	-0.002	37150	0.1003	
67 4-Chlorophenyl phenyl ether	204	10.504	10.506	-0.002	15222	0.0940	
69 Fluorene	166	10.537	10.540	-0.003	33839	0.0946	
68 4-Nitroaniline	138	10.561	10.564	-0.003	3731	0.1000	
72 N-Nitrosodiphenylamine	169	10.605	10.607	-0.002	26132	0.0930	
71 Diphenylamine	169	10.605	10.607	-0.002	26132	0.0930	
73 1,2-Diphenylhydrazine	77	10.638	10.641	-0.002	29259	0.0917	
74 Azobenzene	77	10.638	10.641	-0.002	29259	0.0917	
13 Benzophenone	105	10.662	10.665	-0.003	26949	0.0987	
75 4-Bromophenyl phenyl ether	248	10.917	10.919	-0.002	7772	0.0959	
77 Atrazine	200	11.037	11.044	-0.007	6794	0.1000	
76 Hexachlorobenzene	284	11.071	11.073	-0.002	7374	0.0956	
79 Pentachloronitrobenzene	237	11.273	11.275	-0.002	2382	0.1000	
80 Phenanthrene	178	11.350	11.352	-0.002	47318	0.0996	
81 Anthracene	178	11.388	11.391	-0.003	38771	0.0910	
83 Carbazole	167	11.509	11.511	-0.002	30187	0.0926	
84 Di-n-butyl phthalate	149	11.759	11.761	-0.002	88117	0.1000	
85 Pyrene	202	12.403	12.405	-0.002	37925	0.1106	
86 Benzidine	184	12.499	12.497	0.002	1887	0.1000	
87 Fluoranthene	202	12.653	12.655	-0.002	35701	0.1000	
89 Butyl benzyl phthalate	149	13.384	13.386	-0.002	15805	0.0940	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
91 3,3'-Dichlorobenzidine	252	14.360	14.367	-0.007	4752	0.1000	
92 Bis(2-ethylhexyl) phthalate	149	14.384	14.391	-0.007	21965	0.0954	
93 Benzo[a]anthracene	228	14.428	14.435	-0.007	16341	0.0926	
94 Chrysene	228	14.524	14.526	-0.002	15470	0.0948	
95 Di-n-octyl phthalate	149	15.630	15.632	-0.002	13021	0.1000	
97 Benzo[b]fluoranthene	252	16.322	16.325	-0.002	11167	0.0901	
98 Benzo[k]fluoranthene	252	16.356	16.358	-0.002	9197	0.1000	
99 Benzo[a]pyrene	252	16.832	16.834	-0.002	5647	0.1000	
100 Indeno[1,2,3-cd]pyrene	276	18.948	18.945	0.003	4797	0.1000	
101 Dibenz(a,h)anthracene	278	18.943	18.950	-0.007	4187	0.0901	
102 Benzo[g,h,i]perylene	276	19.539	19.537	0.002	6131	0.1070	

Report Date: 14-Sep-2009 11:45:55 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10185.D		
Inj Date:	11-Sep-2009 11:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	STD01		
Sample Amount:	2.00 uL	Operator:	MZ



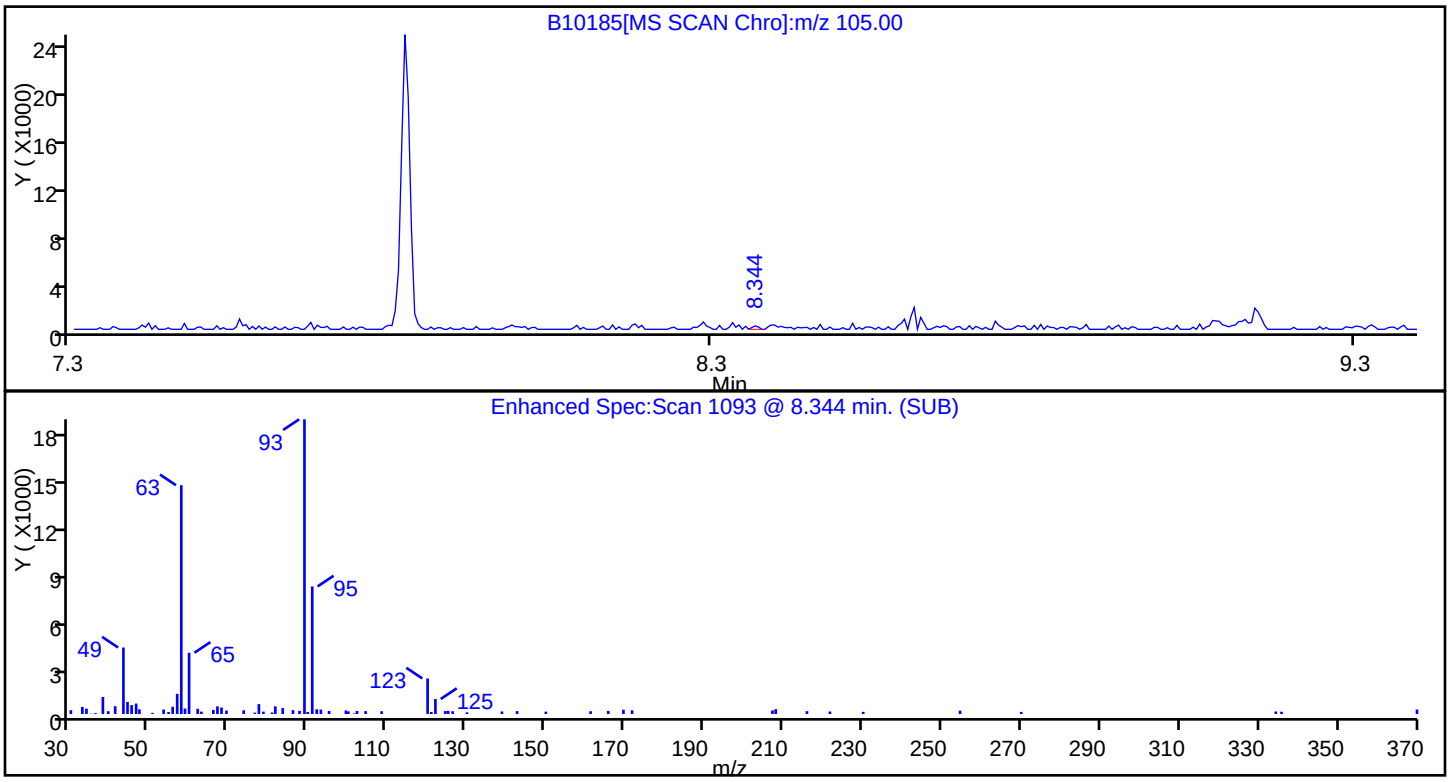
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10185.D		
Inj Date:	11-Sep-2009 11:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	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
8.34	105.00	180	0.100000
8.34	122.00	132	
8.34	77.00	283	

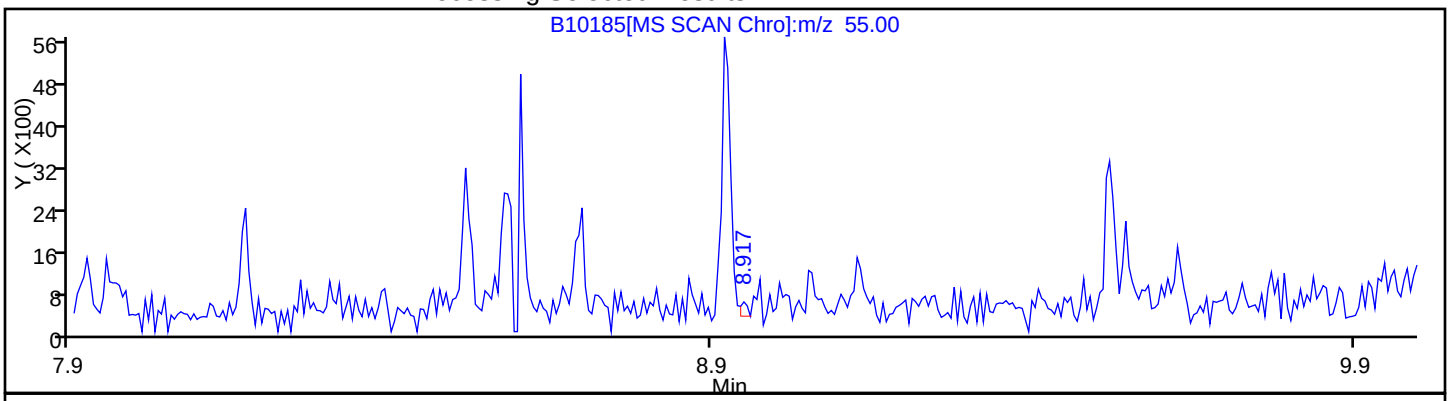
Reviewer: sullivanp, 14-Sep-2009 11:45:54
Audit Action: Marked Compound Undetected
Audit Reason:

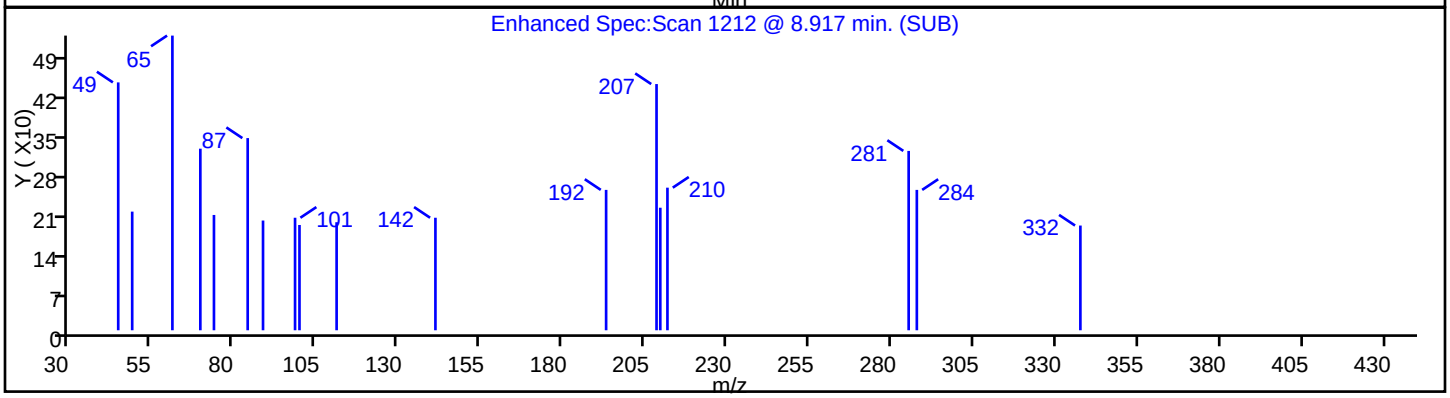
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10185.D		
Inj Date:	11-Sep-2009 11:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	STD01		
Sample Amount:	2.00 uL	Operator:	MZ

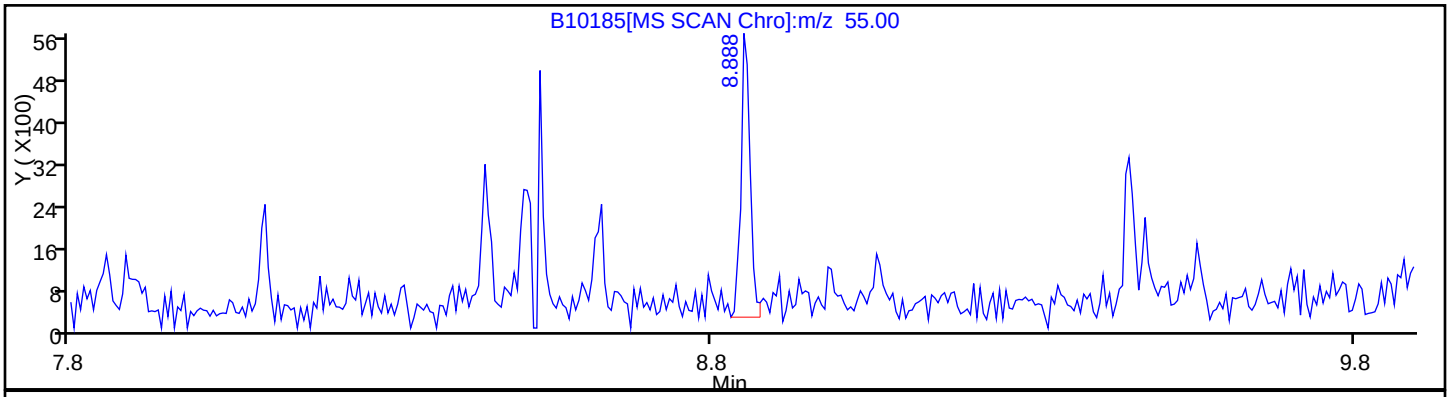
44 Caprolactam

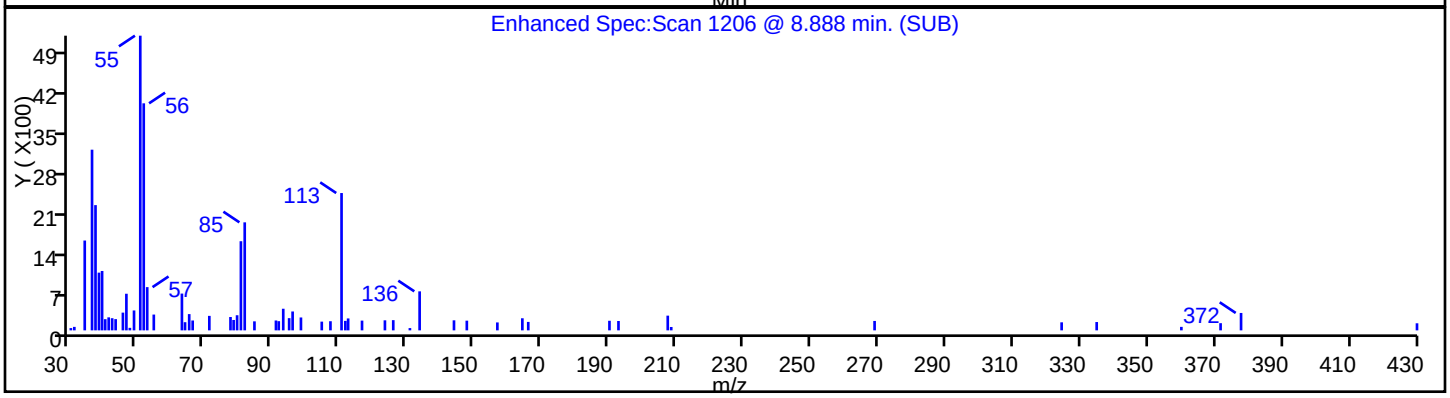
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 14-Sep-2009 11:45:54
Audit Action: Selected Alternate Hit
Audit Reason:

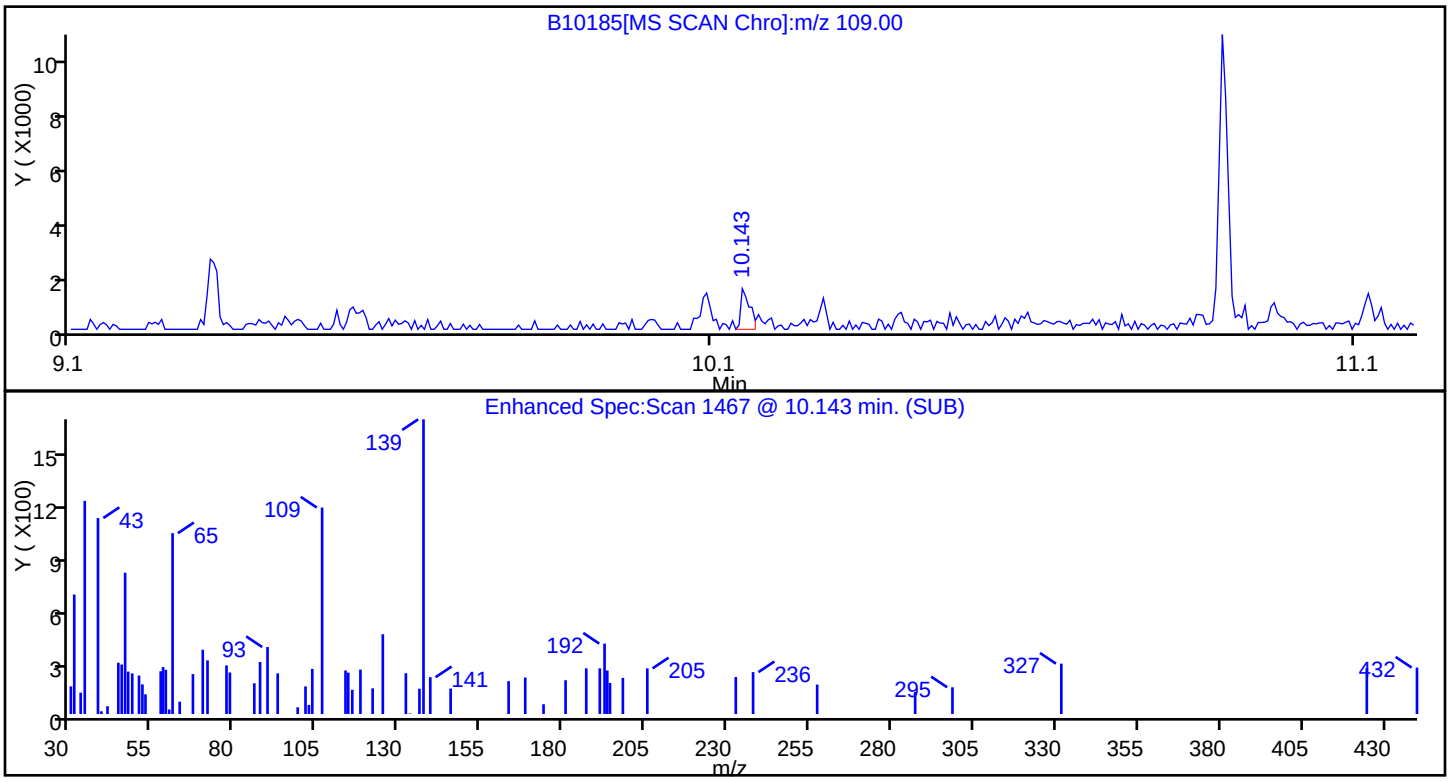
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10185.D		
Inj Date:	11-Sep-2009 11:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	STD01		
Sample Amount:	2.00 uL	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
10.14	109.00	1350	0.100000
10.15	139.00	2439	
10.16	64.00	284	

Reviewer: sullivanp, 14-Sep-2009 11:45:54
Audit Action: Marked Compound Undetected
Audit Reason:

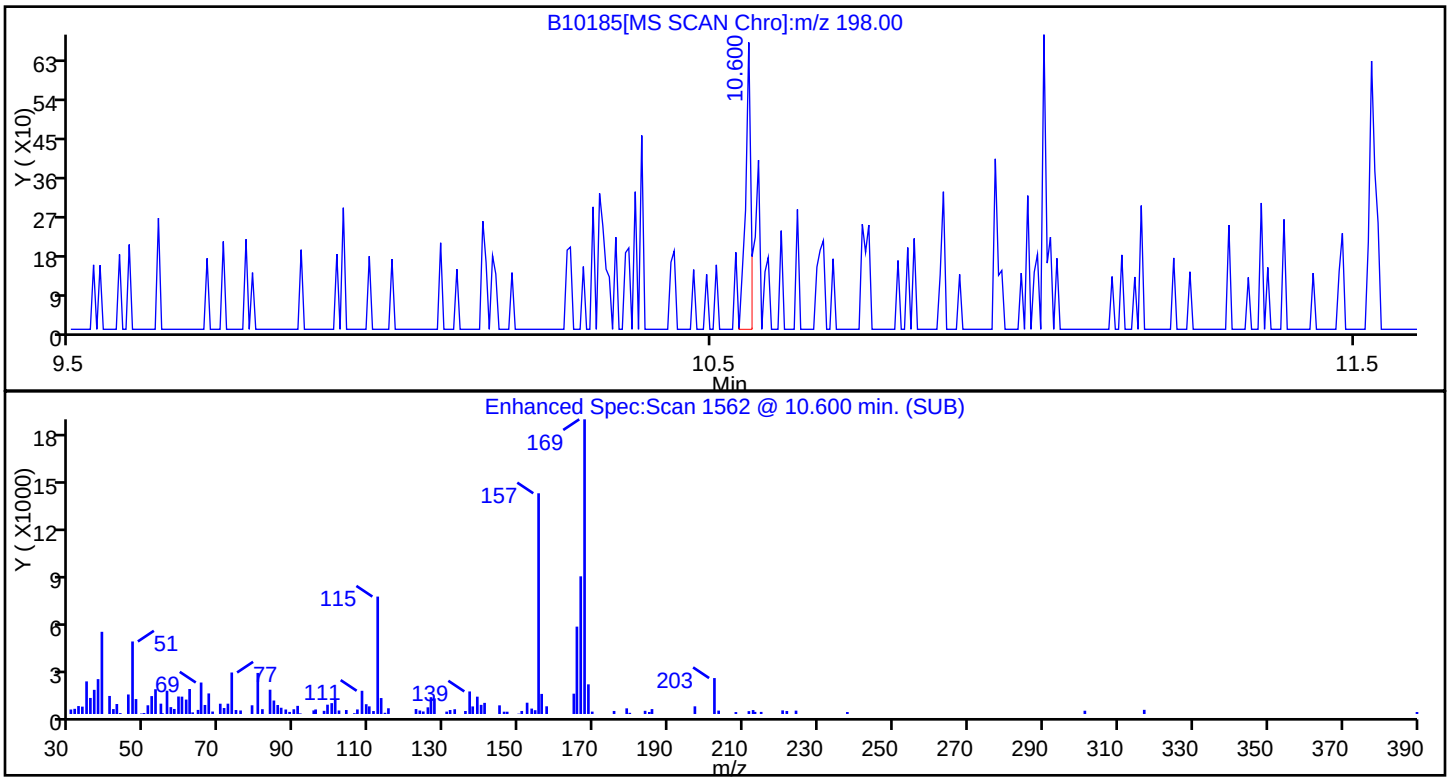
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10185.D		
Inj Date:	11-Sep-2009 11:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	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
10.60	198.00	358	0.100000
10.59	121.00	172	
10.60	105.00	238	

Reviewer: sullivanp, 14-Sep-2009 11:45:54
Audit Action: Marked Compound Undetected
Audit Reason:

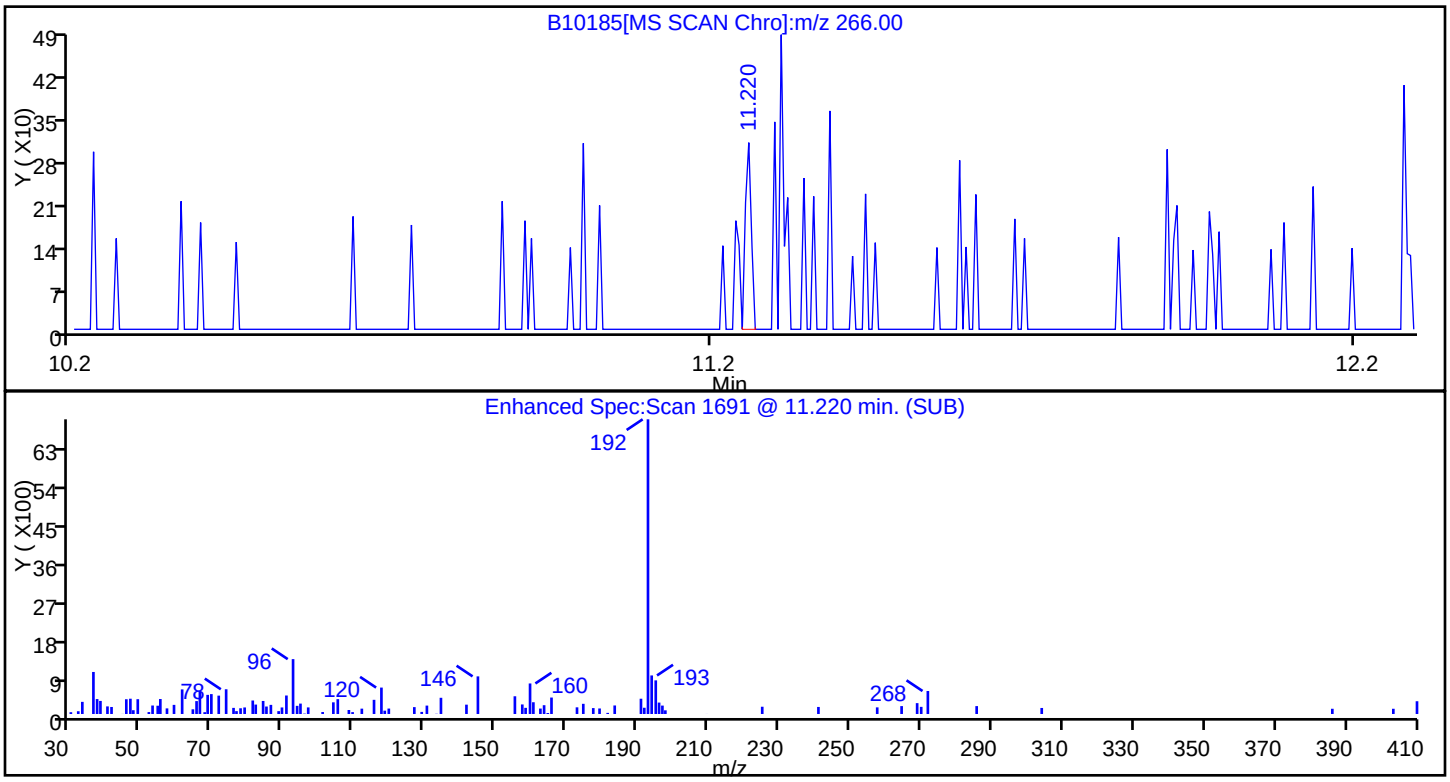
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10185.D		
Inj Date:	11-Sep-2009 11:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	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
11.22	266.00	187	0.010434
11.22	264.00	193	
11.22	268.00	339	

Reviewer: sullivanp, 14-Sep-2009 11:45:54
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10186.D		
Lims ID:	STD025	Client ID:	
Inject. Date:	11-Sep-2009 12:24:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	STD025		
Misc. Info.:	360-0001138-004		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	4
Lims Batch ID:	48839	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\8270B.m		
Last Update:	14-Sep-2009 11:48:07	Calib Date:	11-Sep-2009 12:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10186.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	14-Sep-2009 11:46:12
Reviewed By:	sullivanp	Date:	14-Sep-2009 11:48:07

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.450	7.452	-0.002	549501	2.00	
* 2 Naphthalene-d8	136	8.584	8.582	0.002	1304196	2.00	
* 3 Acenaphthene-d10	164	10.090	10.092	-0.002	638156	2.00	
* 4 Phenanthrene-d10	188	11.330	11.333	-0.003	1018247	2.00	
* 5 Chrysene-d12	240	14.470	14.473	-0.003	465831	2.00	
* 6 Perylene-d12	264	16.923	16.926	-0.003	245428	2.00	
$ 7 2-Fluorophenol	112	6.238	6.236	0.002	37164	0.2464	
$ 8 Phenol-d5	99	7.137	7.140	-0.003	48085	0.2599	
$ 9 Nitrobenzene-d5	82	7.969	7.972	-0.003	44463	0.2466	
$ 10 2-Fluorobiphenyl	172	9.488	9.491	-0.003	104966	0.2543	
$ 11 2,4,6-Tribromophenol	330	10.758	10.756	0.002	5590	0.2160	
$ 12 Terphenyl-d14	244	12.763	12.766	-0.003	64660	0.2605	
14 1,4-Dioxane	88	3.612	3.610	0.002	21899	0.2862	
16 Pyridine	79	4.386	4.379	0.007	39961	0.2748	
15 N-Nitrosodimethylamine	42	4.430	4.423	0.007	26036	0.2521	
17 Benzaldehyde	105	7.060	7.063	-0.003	21771	0.2637	
18 Phenol	94	7.147	7.149	-0.002	50495	0.2654	
19 Aniline	93	7.185	7.188	-0.003	55565	0.2607	
20 Bis(2-chloroethyl)ether	93	7.228	7.226	0.002	42330	0.2637	
21 2-Chlorophenol	128	7.291	7.289	0.002	45675	0.2692	
22 1,4-Dichlorobenzene	146	7.421	7.419	0.002	57700	0.2668	
23 1,3-Dichlorobenzene	146	7.464	7.467	-0.003	59507	0.2682	
24 Benzyl alcohol	79	7.579	7.582	-0.003	28018	0.2549	
25 1,2-Dichlorobenzene	146	7.642	7.640	0.002	54855	0.2662	
26 2-Methylphenol	108	7.680	7.683	-0.003	36973	0.2548	
27 2,2'-oxybis[1-chloropropane]	45	7.709	7.712	-0.003	80291	0.2716	
28 3 & 4 Methylphenol	108	7.805	7.808	-0.003	39526	0.2643	
30 Acetophenone	105	7.825	7.827	-0.002	59454	0.2569	
29 N-Nitrosodi-n-propylamine	70	7.829	7.832	-0.003	29189	0.2641	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	7.916	7.914	0.002	19400	0.2572	
32 Nitrobenzene	77	7.983	7.986	-0.003	45503	0.2598	
33 Isophorone	82	8.176	8.174	0.002	69590	0.2489	
34 2-Nitrophenol	139	8.267	8.265	0.002	20220	0.2417	
35 2,4-Dimethylphenol	107	8.262	8.265	-0.003	36218	0.2569	
37 Bis(2-chloroethoxy)methane	93	8.344	8.347	-0.003	48136	0.2595	
38 2,4-Dichlorophenol	162	8.459	8.457	0.002	31877	0.2493	
39 1,2,4-Trichlorobenzene	180	8.541	8.539	0.002	45091	0.2601	
40 Alpha-Terpineol	59	8.565	8.563	0.002	35096	0.2505	
41 Naphthalene	128	8.599	8.602	-0.003	143224	0.2626	
42 4-Chloroaniline	127	8.647	8.650	-0.003	48474	0.2524	
43 Hexachlorobutadiene	225	8.738	8.736	0.002	21039	0.2507	
44 Caprolactam	55	8.887	8.914	-0.027	13613	0.2175	
45 4-Chloro-3-methylphenol	107	9.027	9.030	-0.003	31845	0.2515	
46 2-Methylnaphthalene	142	9.181	9.183	-0.002	90459	0.2541	
47 1-Methylnaphthalene	142	9.277	9.280	-0.003	92043	0.2577	
49 1,2,4,5-Tetrachlorobenzene	216	9.359	9.361	-0.002	38967	0.2561	
48 Hexachlorocyclopentadiene	237	9.368	9.366	0.002	9672	0.2216	
50 2,4,6-Trichlorophenol	196	9.436	9.433	0.003	20882	0.2382	
51 2,4,5-Trichlorophenol	196	9.469	9.472	-0.003	20961	0.2342	
52 1,1'-Biphenyl	154	9.570	9.573	-0.003	118634	0.2584	
53 2-Chloronaphthalene	162	9.599	9.602	-0.003	100588	0.2515	
54 Phenyl ether	170	9.657	9.660	-0.003	63109	0.2668	
55 2-Nitroaniline	65	9.695	9.698	-0.003	18159	0.2229	
56 Dimethyl phthalate	163	9.840	9.842	-0.002	94755	0.2518	
57 2,6-Dinitrotoluene	165	9.916	9.919	-0.003	20352	0.2478	
58 Acenaphthylene	152	9.965	9.967	-0.002	129181	0.2556	
59 3-Nitroaniline	138	10.041	10.044	-0.003	19511	0.2426	
61 Acenaphthene	153	10.114	10.116	-0.002	96380	0.2656	
62 4-Nitrophenol	109	10.147	10.145	0.002	4073	0.2500	
64 Dibenzofuran	168	10.243	10.246	-0.003	123252	0.2571	
63 2,4-Dinitrotoluene	165	10.248	10.251	-0.003	19664	0.2190	
65 2,3,4,6-Tetrachlorophenol	232	10.373	10.373	0.000	13128	0.2332	M
66 Diethyl phthalate	149	10.417	10.419	-0.002	105142	0.2577	
67 4-Chlorophenyl phenyl ether	204	10.503	10.506	-0.003	45516	0.2561	
69 Fluorene	166	10.537	10.540	-0.003	97907	0.2516	
68 4-Nitroaniline	138	10.561	10.564	-0.003	14332	0.2469	
70 4,6-Dinitro-2-methylphenol	198	10.594	10.592	0.002	2184	0.2500	
72 N-Nitrosodiphenylamine	169	10.604	10.607	-0.003	80164	0.2524	
71 Diphenylamine	169	10.604	10.607	-0.003	80164	0.2524	
73 1,2-Diphenylhydrazine	77	10.638	10.641	-0.002	89174	0.2492	
74 Azobenzene	77	10.638	10.641	-0.002	89174	0.2492	
13 Benzophenone	105	10.662	10.665	-0.003	77604	0.2518	
75 4-Bromophenyl phenyl ether	248	10.917	10.919	-0.002	23247	0.2534	
77 Atrazine	200	11.042	11.044	-0.002	21983	0.2485	
76 Hexachlorobenzene	284	11.071	11.073	-0.002	24153	0.2683	
78 Pentachlorophenol	266	11.215	11.213	0.002	1619	0.0725	
79 Pentachloronitrobenzene	237	11.273	11.275	-0.002	7016	0.2204	
80 Phenanthrene	178	11.349	11.352	-0.003	140196	0.2582	
81 Anthracene	178	11.388	11.391	-0.003	115802	0.2444	
83 Carbazole	167	11.508	11.511	-0.003	98499	0.2622	
84 Di-n-butyl phthalate	149	11.758	11.761	-0.003	175398	0.2282	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	12.403	12.405	-0.002	110651	0.2637	
86 Benzidine	184	12.494	12.497	-0.003	8313	0.1674	
87 Fluoranthene	202	12.653	12.655	-0.002	112284	0.2468	
89 Butyl benzyl phthalate	149	13.384	13.386	-0.002	54004	0.2629	
91 3,3'-Dichlorobenzidine	252	14.365	14.367	-0.002	21893	0.2202	
92 Bis(2-ethylhexyl) phthalate	149	14.389	14.391	-0.002	66060	0.2439	
93 Benzo[a]anthracene	228	14.427	14.435	-0.008	51031	0.2454	
94 Chrysene	228	14.523	14.526	-0.003	50180	0.2556	
95 Di-n-octyl phthalate	149	15.634	15.632	0.002	58265	0.2167	
97 Benzo[b]fluoranthene	252	16.322	16.325	-0.002	36660	0.2458	
98 Benzo[k]fluoranthene	252	16.355	16.358	-0.003	32318	0.2475	
99 Benzo[a]pyrene	252	16.832	16.834	-0.002	20130	0.2278	
100 Indeno[1,2,3-cd]pyrene	276	18.943	18.945	-0.002	12891	0.2081	
101 Dibenz(a,h)anthracene	278	18.947	18.947	0.000	11148	0.2122	M
102 Benzo[g,h,i]perylene	276	19.524	19.537	-0.013	13490	0.2096	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Sep-2009 11:48:08 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090911-2.b\B10186.D

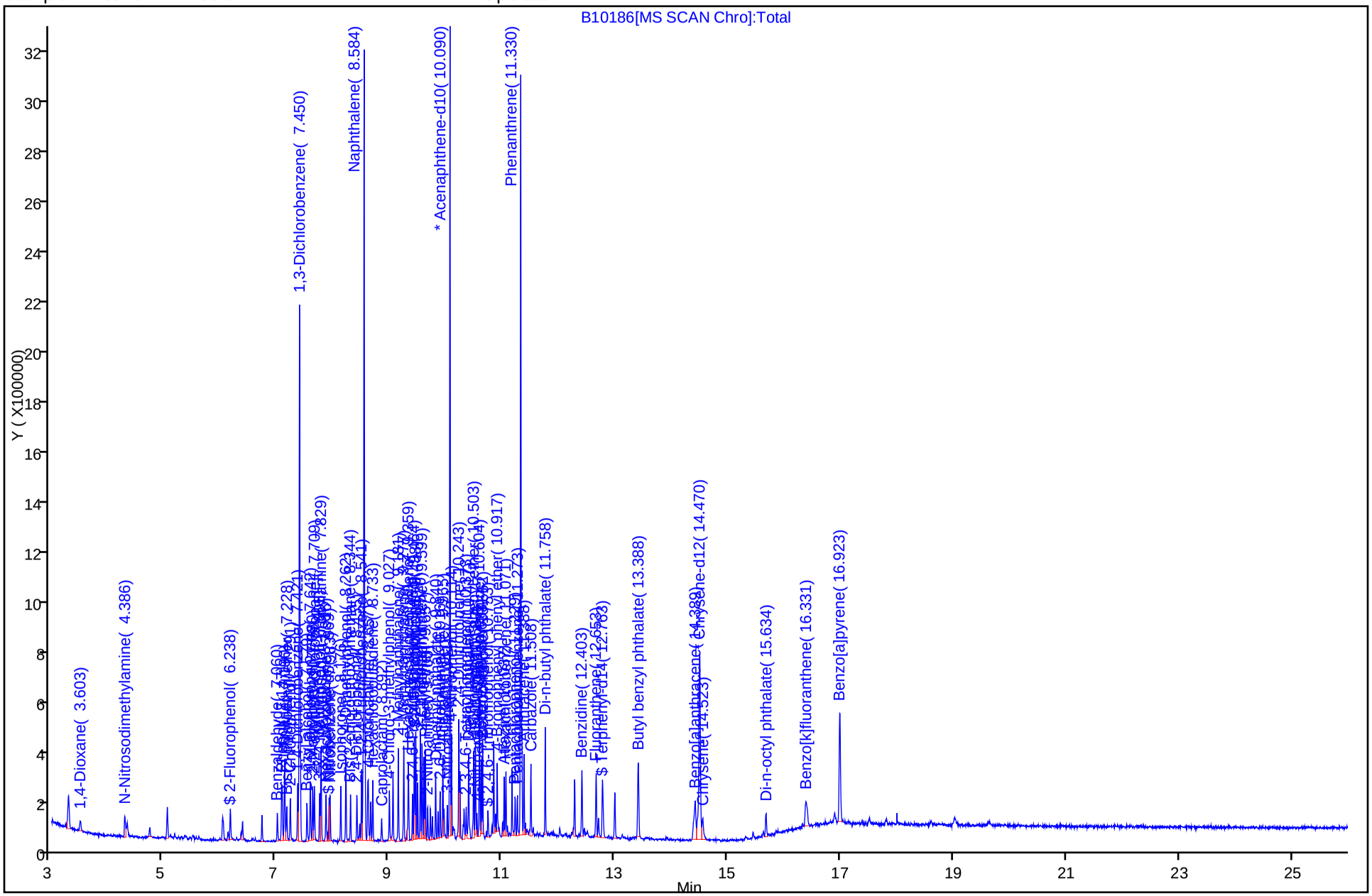
Inj Date: 11-Sep-2009 12:24:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48839 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: STD025

Sample Amount: 2.00 uL Operator: MZ

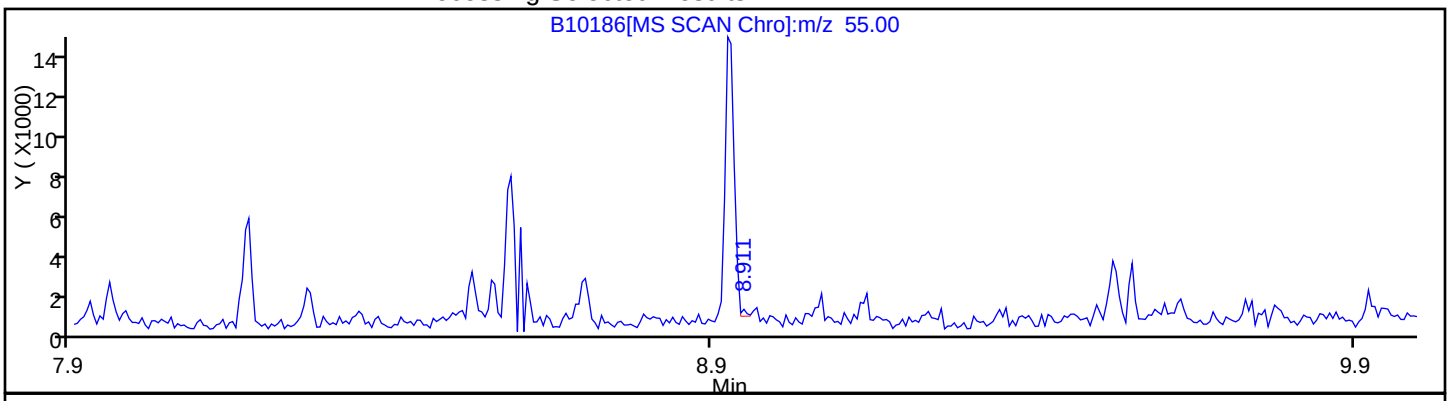


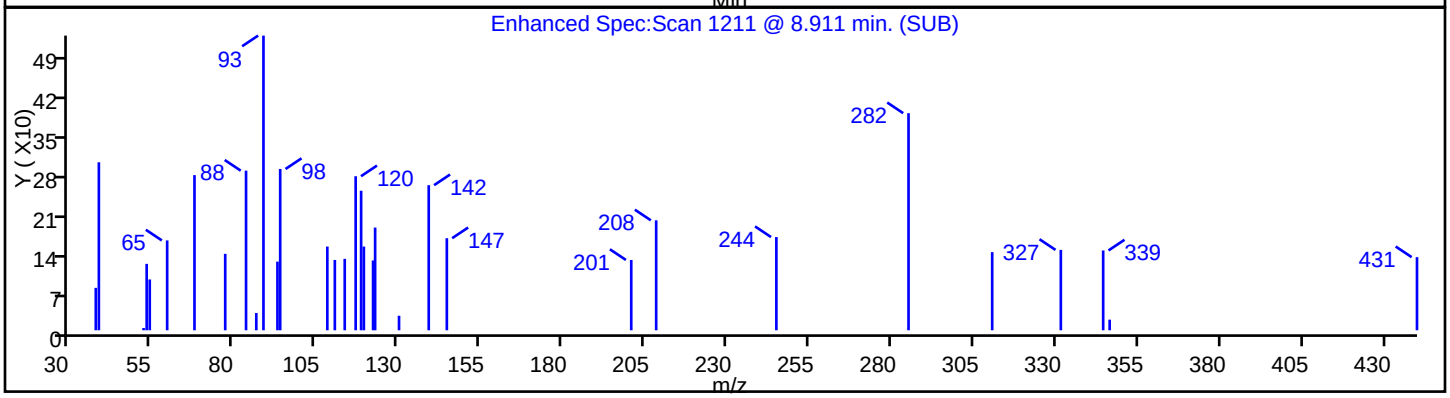
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10186.D		
Inj Date:	11-Sep-2009 12:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	STD025		
Sample Amount:	2.00 uL	Operator:	MZ

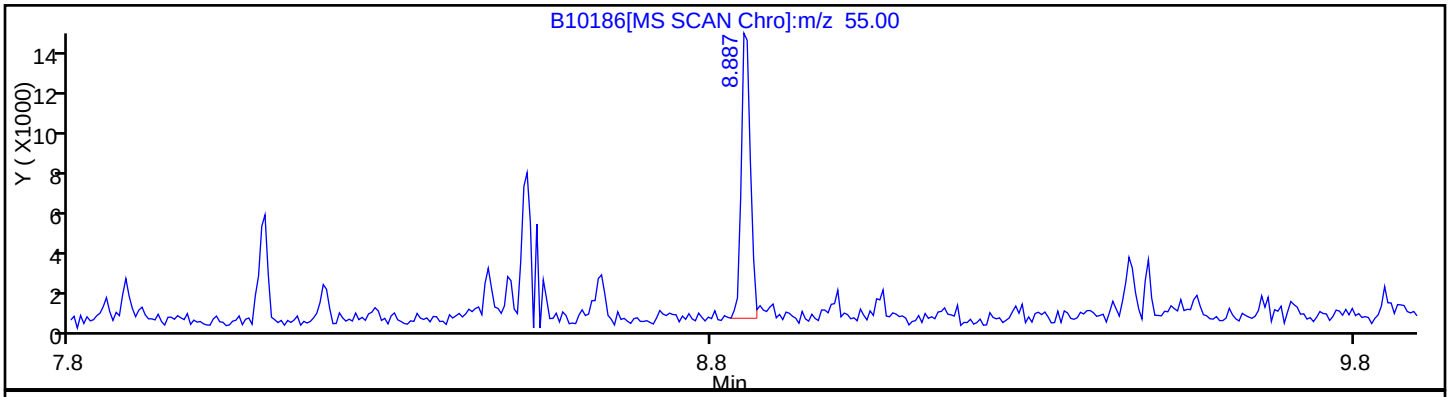
44 Caprolactam

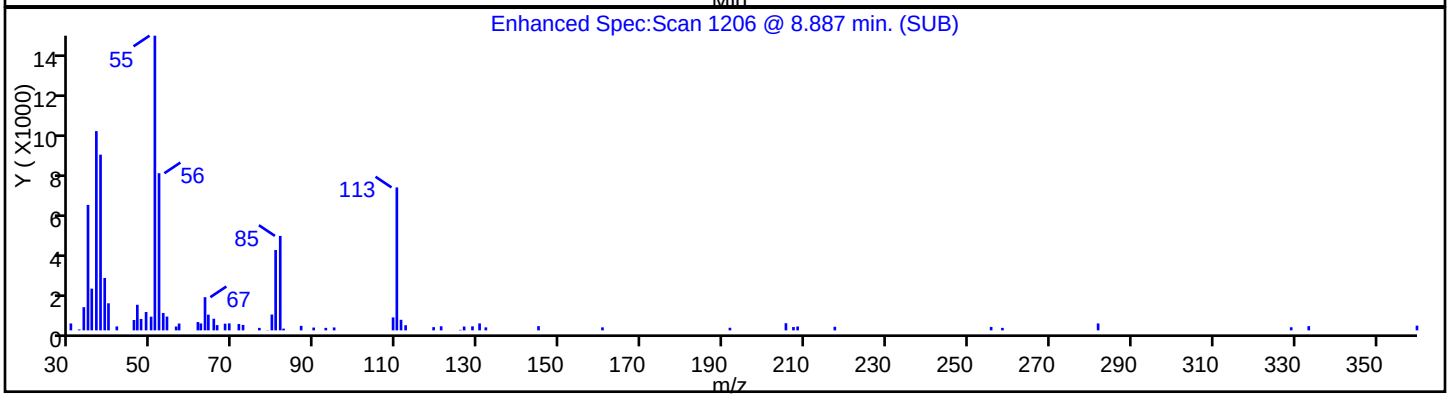
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 14-Sep-2009 11:48:07
Audit Action: Selected Alternate Hit
Audit Reason:

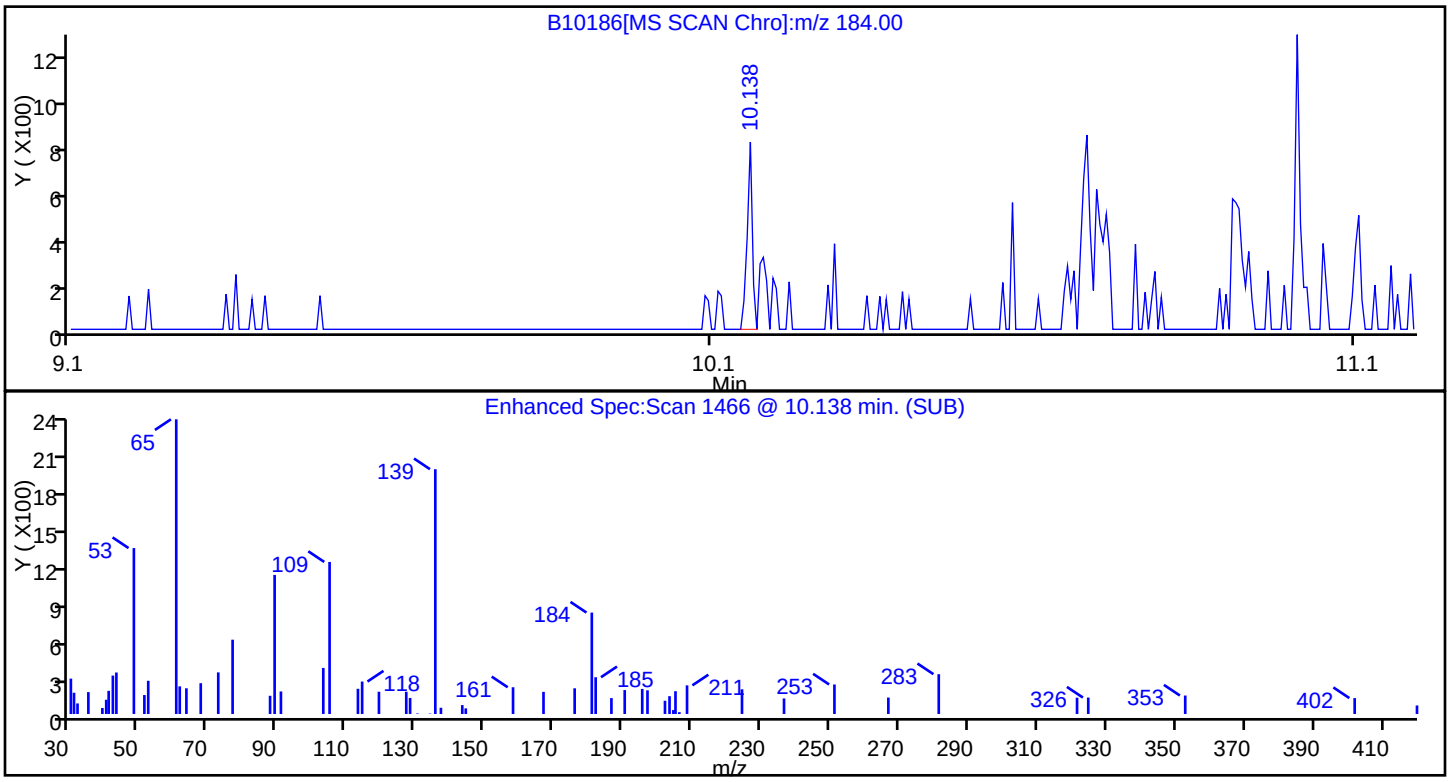
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10186.D		
Inj Date:	11-Sep-2009 12:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	STD025		
Sample Amount:	2.00 uL	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.14	184.00	431	0.033115
10.14	63.00	3764	
10.14	154.00	137	

Reviewer: sullivanp, 14-Sep-2009 11:48:07
Audit Action: Marked Compound Undetected
Audit Reason:

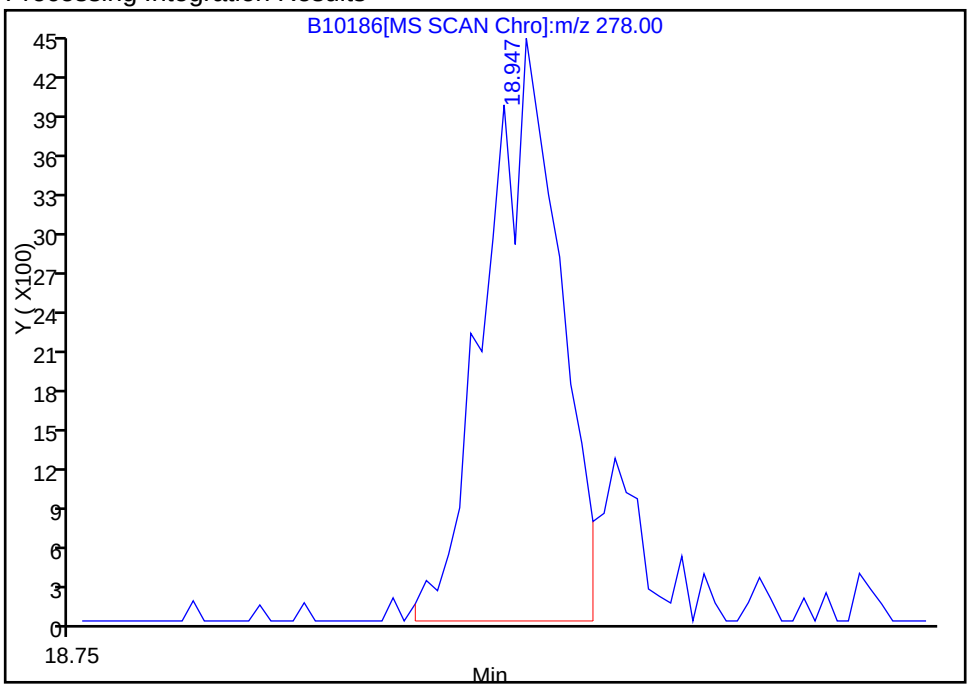
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10186.D		
Inj Date:	11-Sep-2009 12:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	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: 18.95

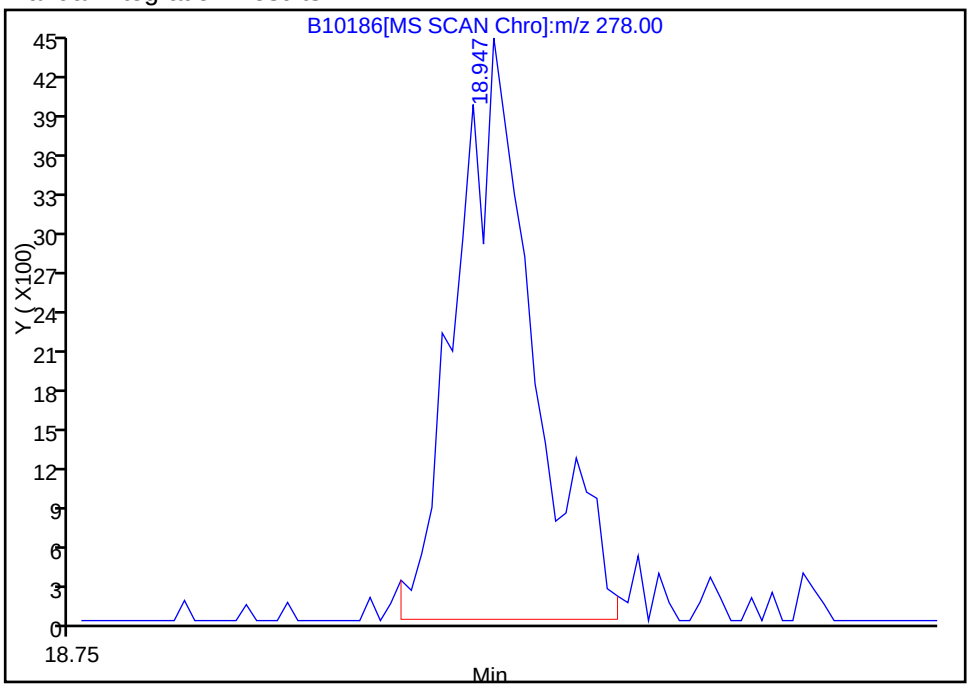
Processing Integration Results

RT: 18.95
Response: 9967
Amount: 0.198588



Manual Integration Results

RT: 18.95
Response: 11148
Amount: 0.212244



Reviewer: sullivanp, 14-Sep-2009 11:48:07
Audit Action: Manually Integrated
Audit Reason: Baseline

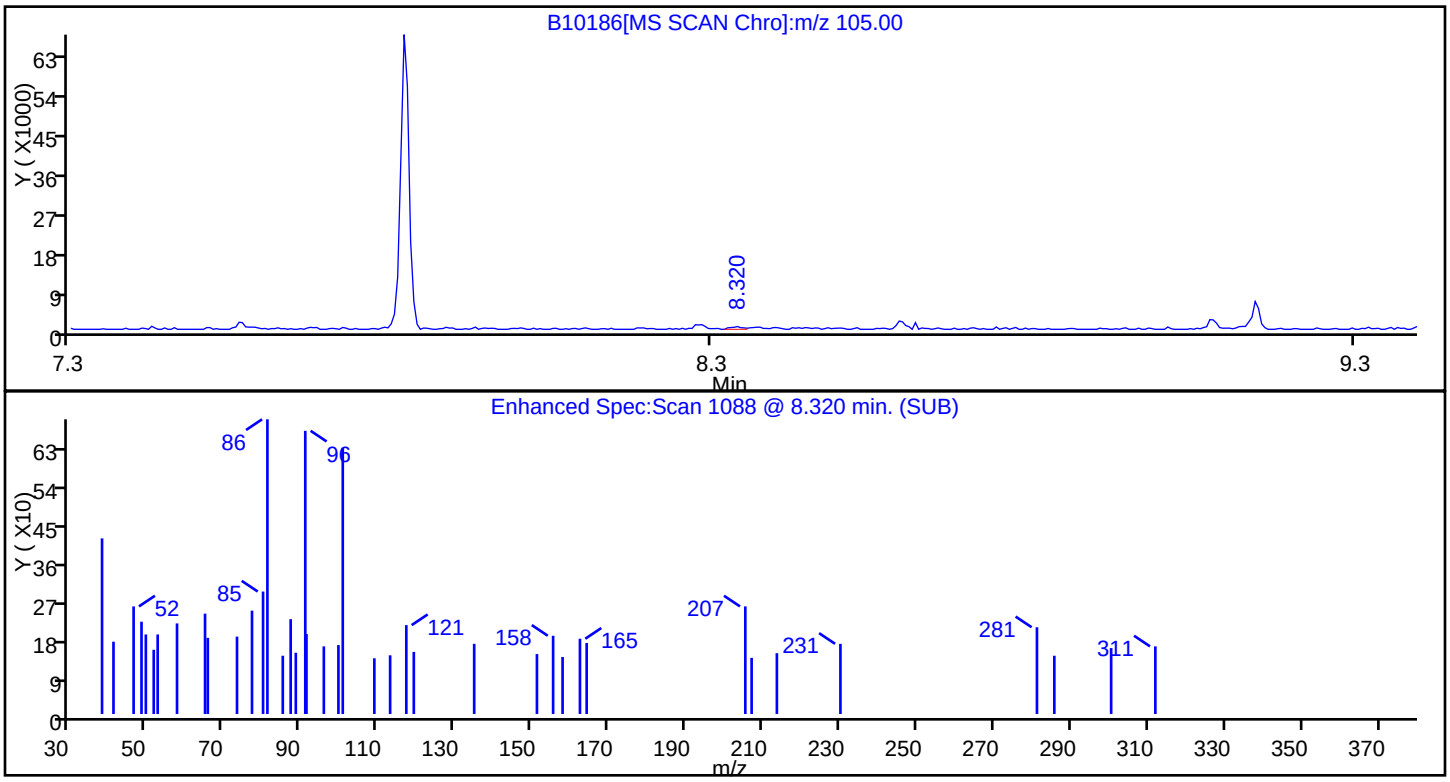
Chrom Revision: 1.0.2009.910

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10186.D		
Inj Date:	11-Sep-2009 12:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	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
8.32	105.00	800	0.250000
8.32	122.00	645	
8.32	77.00	729	

Reviewer: sullivanp, 14-Sep-2009 11:48:07
Audit Action: Marked Compound Undetected
Audit Reason:

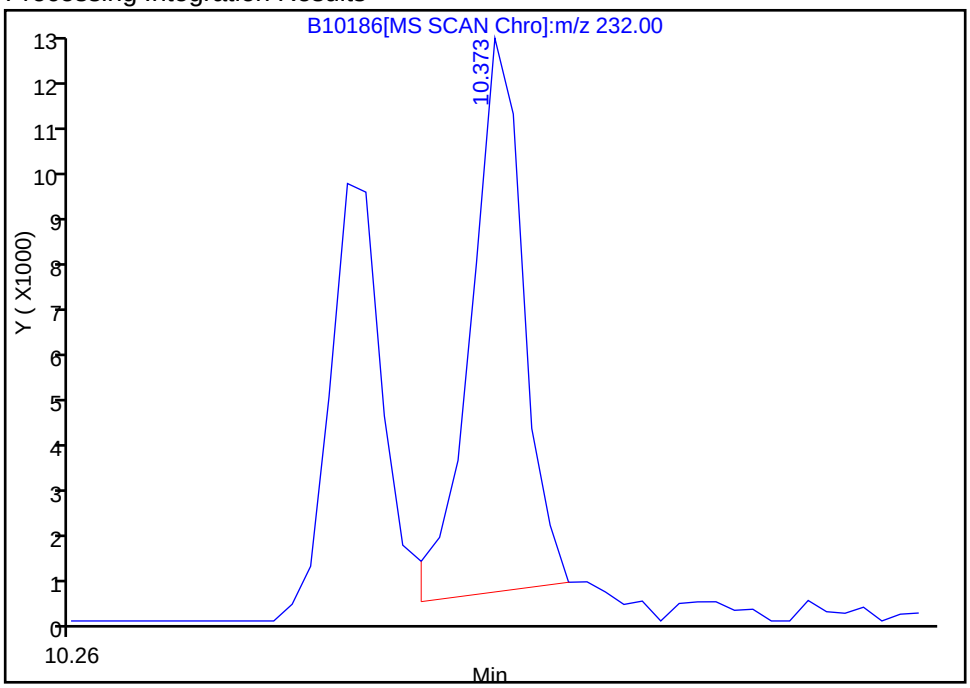
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10186.D		
Inj Date:	11-Sep-2009 12:24:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	STD025		
Sample Amount:	2.00 uL	Operator:	MZ

65 2,3,4,6-Tetrachlorophenol, Number: 1, m/z: 232 Type: quant, RT: 10.37

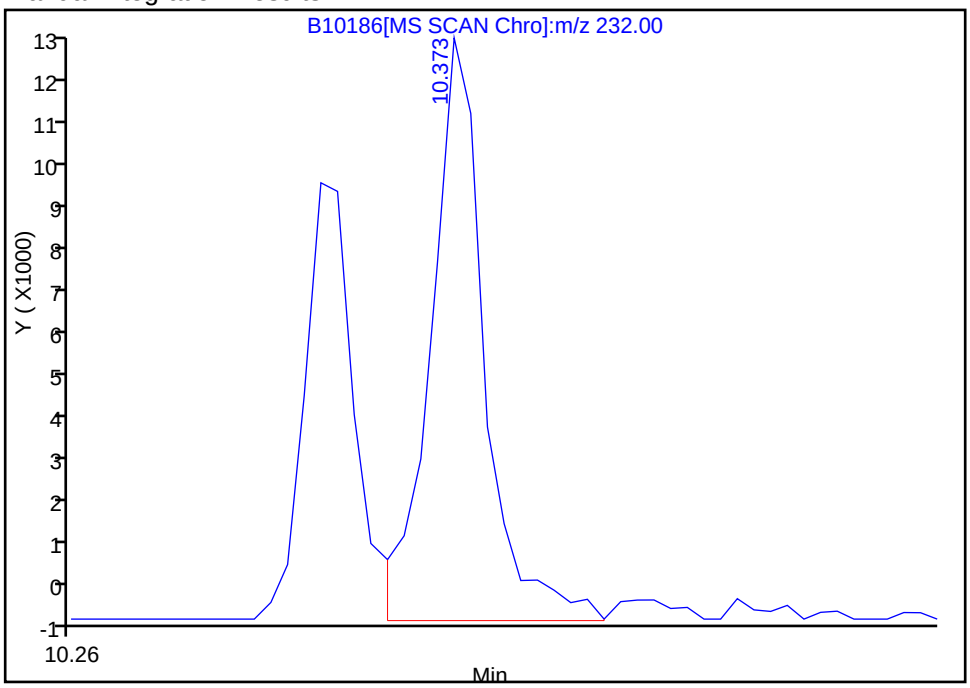
Processing Integration Results

RT: 10.37
Response: 10824
Amount: 0.210781



Manual Integration Results

RT: 10.37
Response: 13128
Amount: 0.233216



Reviewer: sullivanp, 14-Sep-2009 11:48:07
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10187.D		
Lims ID:	STD05	Client ID:	
Inject. Date:	11-Sep-2009 12:58:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	STD05		
Misc. Info.:	360-0001138-005		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	5
Lims Batch ID:	48839	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\8270B.m		
Last Update:	14-Sep-2009 12:08:20	Calib Date:	11-Sep-2009 12:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10187.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 14-Sep-2009 12:08:20

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.449	7.452	-0.003	504443	2.00	
* 2 Naphthalene-d8	136	8.584	8.582	0.002	1197171	2.00	
* 3 Acenaphthene-d10	164	10.089	10.092	-0.003	557703	2.00	
* 4 Phenanthrene-d10	188	11.330	11.333	-0.003	910511	2.00	
* 5 Chrysene-d12	240	14.470	14.473	-0.003	482449	2.00	
* 6 Perylene-d12	264	16.932	16.926	0.006	281611	2.00	
$ 7 2-Fluorophenol	112	6.237	6.236	0.001	71091	0.5099	
$ 8 Phenol-d5	99	7.136	7.140	-0.004	91291	0.5276	
$ 9 Nitrobenzene-d5	82	7.968	7.972	-0.004	86549	0.5170	
$ 10 2-Fluorobiphenyl	172	9.493	9.491	0.002	193484	0.5269	
$ 11 2,4,6-Tribromophenol	330	10.757	10.756	0.001	11609	0.4333	
$ 12 Terphenyl-d14	244	12.763	12.766	-0.003	124652	0.4885	
14 1,4-Dioxane	88	3.602	3.610	-0.008	35938	0.5962	
16 Pyridine	79	4.381	4.379	0.002	69722	0.5166	
15 N-Nitrosodimethylamine	42	4.424	4.423	0.001	50477	0.5240	
17 Benzaldehyde	105	7.064	7.063	0.001	38437	0.5054	
18 Phenol	94	7.146	7.149	-0.003	94888	0.5317	
19 Aniline	93	7.184	7.188	-0.004	102557	0.5179	
20 Bis(2-chloroethyl)ether	93	7.228	7.226	0.002	80597	0.5344	
21 2-Chlorophenol	128	7.290	7.289	0.001	86847	0.5420	
22 1,4-Dichlorobenzene	146	7.420	7.419	0.001	108068	0.5325	
23 1,3-Dichlorobenzene	146	7.463	7.467	-0.004	110265	0.5304	
24 Benzyl alcohol	79	7.583	7.582	0.001	61353	0.5338	
25 1,2-Dichlorobenzene	146	7.641	7.640	0.001	103087	0.5330	
26 2-Methylphenol	108	7.684	7.683	0.001	73810	0.5395	
27 2,2'-oxybis[1-chloropropane]	45	7.713	7.712	0.001	140248	0.5124	
28 3 & 4 Methylphenol	108	7.805	7.808	-0.003	77087	0.5447	
30 Acetophenone	105	7.824	7.827	-0.003	113635	0.5257	
29 N-Nitrosodi-n-propylamine	70	7.834	7.832	0.002	55854	0.5369	
31 Hexachloroethane	117	7.915	7.914	0.001	36703	0.5222	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.987	7.986	0.001	85293	0.5225	
33 Isophorone	82	8.175	8.174	0.001	139662	0.5324	
34 2-Nitrophenol	139	8.266	8.265	0.001	43764	0.5191	
35 2,4-Dimethylphenol	107	8.262	8.265	-0.003	71655	0.5393	
36 Benzoic acid	105	8.314	8.327	-0.013	1861	0.5000	
37 Bis(2-chloroethoxy)methane	93	8.348	8.347	0.001	93068	0.5341	
38 2,4-Dichlorophenol	162	8.459	8.457	0.002	63378	0.5293	
39 1,2,4-Trichlorobenzene	180	8.540	8.539	0.001	82933	0.5158	
40 Alpha-Terpineol	59	8.564	8.563	0.001	63765	0.4969	
41 Naphthalene	128	8.603	8.602	0.001	264563	0.5210	
42 4-Chloroaniline	127	8.646	8.650	-0.004	90446	0.5097	
43 Hexachlorobutadiene	225	8.738	8.736	0.002	41152	0.5252	
44 Caprolactam	55	8.891	8.914	-0.023	28191	0.4491	
45 4-Chloro-3-methylphenol	107	9.026	9.030	-0.004	59253	0.5073	
46 2-Methylnaphthalene	142	9.185	9.183	0.002	167743	0.5099	
47 1-Methylnaphthalene	142	9.281	9.280	0.001	174509	0.5239	
49 1,2,4,5-Tetrachlorobenzene	216	9.358	9.361	-0.003	71286	0.5077	
48 Hexachlorocyclopentadiene	237	9.368	9.366	0.002	18877	0.4425	
50 2,4,6-Trichlorophenol	196	9.435	9.433	0.002	39731	0.4855	
51 2,4,5-Trichlorophenol	196	9.469	9.472	-0.003	41872	0.4951	
52 1,1'-Biphenyl	154	9.570	9.573	-0.003	211948	0.5209	
53 2-Chloronaphthalene	162	9.598	9.602	-0.004	192429	0.5370	
54 Phenyl ether	170	9.656	9.660	-0.004	114038	0.5186	
55 2-Nitroaniline	65	9.699	9.698	0.001	38476	0.4959	
56 Dimethyl phthalate	163	9.839	9.842	-0.003	179750	0.5341	
57 2,6-Dinitrotoluene	165	9.916	9.919	-0.003	38281	0.4949	
58 Acenaphthylene	152	9.964	9.967	-0.003	238986	0.5302	
59 3-Nitroaniline	138	10.041	10.044	-0.003	35771	0.5145	
61 Acenaphthene	153	10.113	10.116	-0.003	166105	0.5176	
62 4-Nitrophenol	109	10.147	10.145	0.002	11921	0.4743	
64 Dibenzofuran	168	10.243	10.246	-0.003	220054	0.5187	
63 2,4-Dinitrotoluene	165	10.248	10.251	-0.003	43205	0.4653	
65 2,3,4,6-Tetrachlorophenol	232	10.373	10.373	0.000	27280	0.4854	
66 Diethyl phthalate	149	10.416	10.419	-0.003	180782	0.5053	
67 4-Chlorophenyl phenyl ether	204	10.507	10.506	0.001	80684	0.5145	
69 Fluorene	166	10.536	10.540	-0.004	179545	0.5207	
68 4-Nitroaniline	138	10.560	10.564	-0.004	27215	0.4905	
70 4,6-Dinitro-2-methylphenol	198	10.589	10.592	-0.003	6637	0.4045	
72 N-Nitrosodiphenylamine	169	10.608	10.607	0.001	153744	0.5304	
71 Diphenylamine	169	10.608	10.607	0.001	153744	0.5304	
73 1,2-Diphenylhydrazine	77	10.637	10.641	-0.003	175473	0.5354	
74 Azobenzene	77	10.637	10.641	-0.003	175473	0.5354	
13 Benzophenone	105	10.661	10.665	-0.004	145780	0.5215	
75 4-Bromophenyl phenyl ether	248	10.916	10.919	-0.003	44281	0.5292	
77 Atrazine	200	11.041	11.044	-0.003	41826	0.5213	
76 Hexachlorobenzene	284	11.070	11.073	-0.003	40777	0.5050	
78 Pentachlorophenol	266	11.209	11.213	-0.004	3504	0.2239	
79 Pentachloronitrobenzene	237	11.272	11.275	-0.003	15590	0.4846	
80 Phenanthrene	178	11.349	11.352	-0.003	244900	0.5033	
81 Anthracene	178	11.387	11.391	-0.004	225908	0.5245	
83 Carbazole	167	11.507	11.511	-0.004	188967	0.5455	
84 Di-n-butyl phthalate	149	11.758	11.761	-0.003	296578	0.4888	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	12.402	12.405	-0.003	206558	0.4813	
86 Benzidine	184	12.498	12.497	0.001	26357	0.3700	
87 Fluoranthene	202	12.652	12.655	-0.003	216350	0.5235	
89 Butyl benzyl phthalate	149	13.388	13.386	0.002	99957	0.4771	
91 3,3'-Dichlorobenzidine	252	14.359	14.367	-0.008	53451	0.4305	
92 Bis(2-ethylhexyl) phthalate	149	14.388	14.391	-0.003	124698	0.4573	
93 Benzo[a]anthracene	228	14.431	14.435	-0.004	106583	0.4961	
94 Chrysene	228	14.523	14.526	-0.003	107124	0.5199	
95 Di-n-octyl phthalate	149	15.633	15.632	0.001	120011	0.3890	
97 Benzo[b]fluoranthene	252	16.326	16.325	0.002	85612	0.5002	
98 Benzo[k]fluoranthene	252	16.355	16.358	-0.003	71262	0.4814	
99 Benzo[a]pyrene	252	16.836	16.834	0.002	50003	0.4446	
100 Indeno[1,2,3-cd]pyrene	276	18.947	18.945	0.002	31870	0.4153	
101 Dibenz(a,h)anthracene	278	18.947	18.947	0.000	26872	0.4586	
102 Benzo[g,h,i]perylene	276	19.533	19.537	-0.004	31917	0.4474	

Report Date: 14-Sep-2009 12:08:21 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090911-2.b\B10187.D

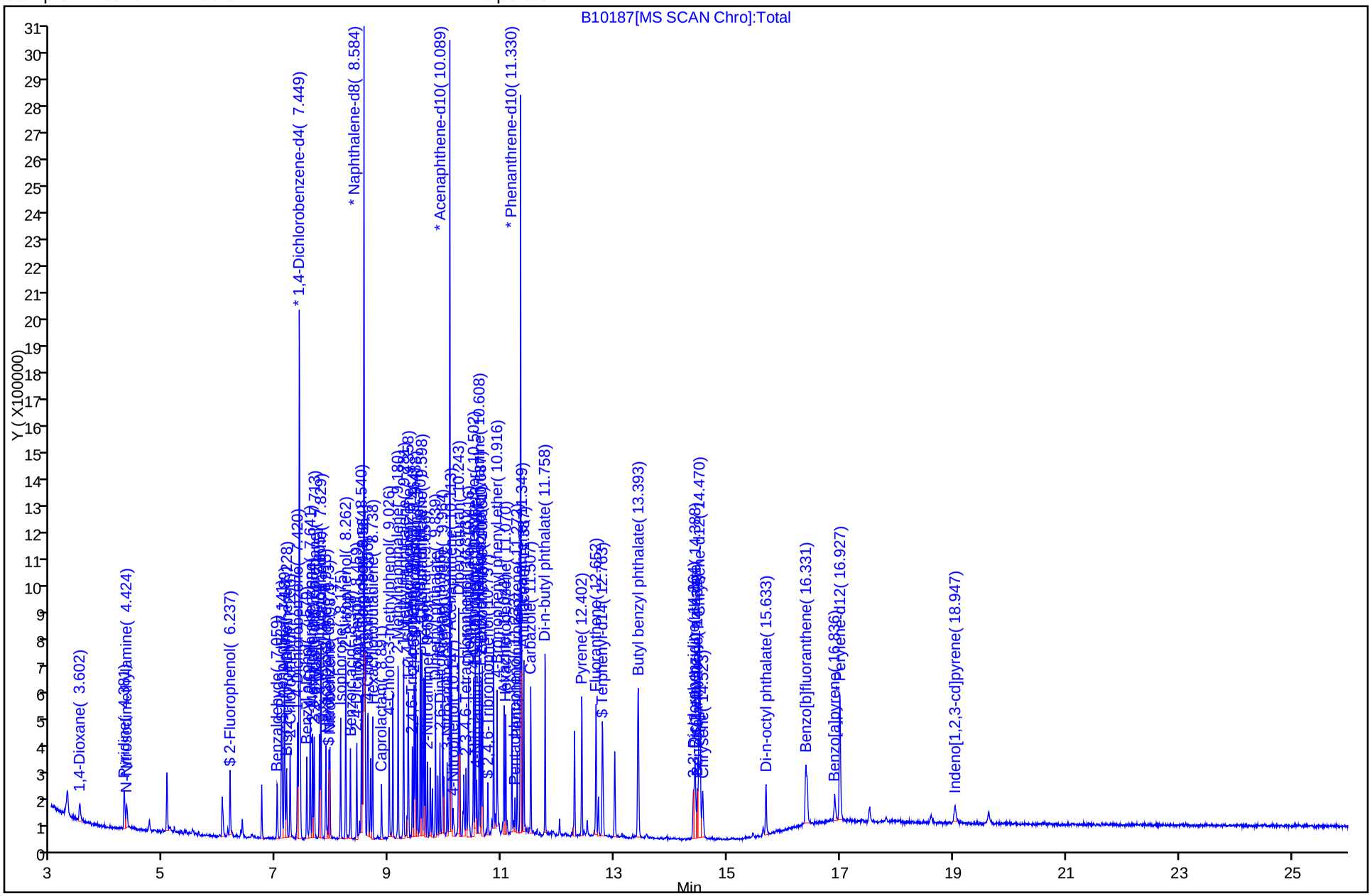
Inj Date: 11-Sep-2009 12:58:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48839 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: STD05

Sample Amount: 2.00 uL Operator: MZ

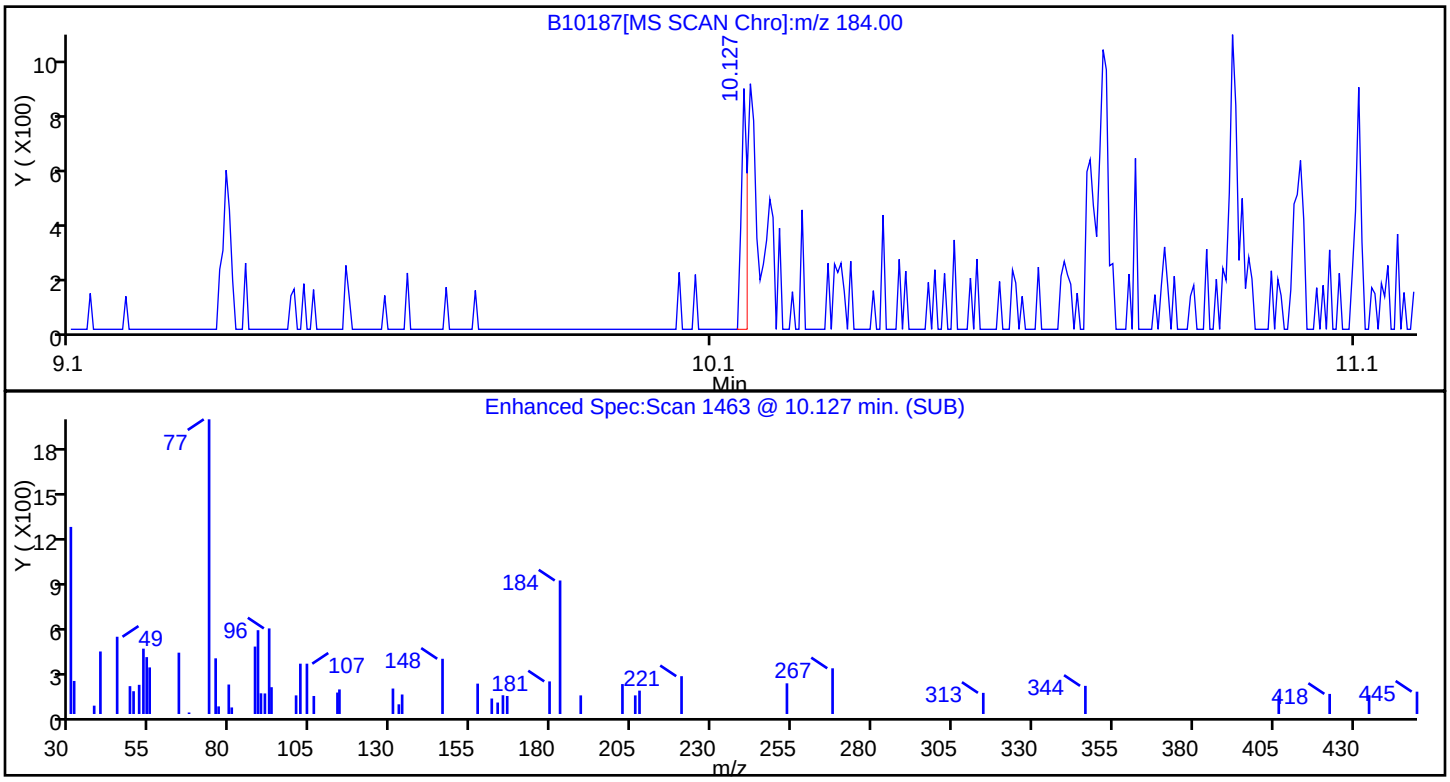


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10187.D		
Inj Date:	11-Sep-2009 12:58:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	STD05		
Sample Amount:	2.00 uL	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.13	184.00	535	0.047956
10.14	63.00	5675	
10.12	154.00	159790	

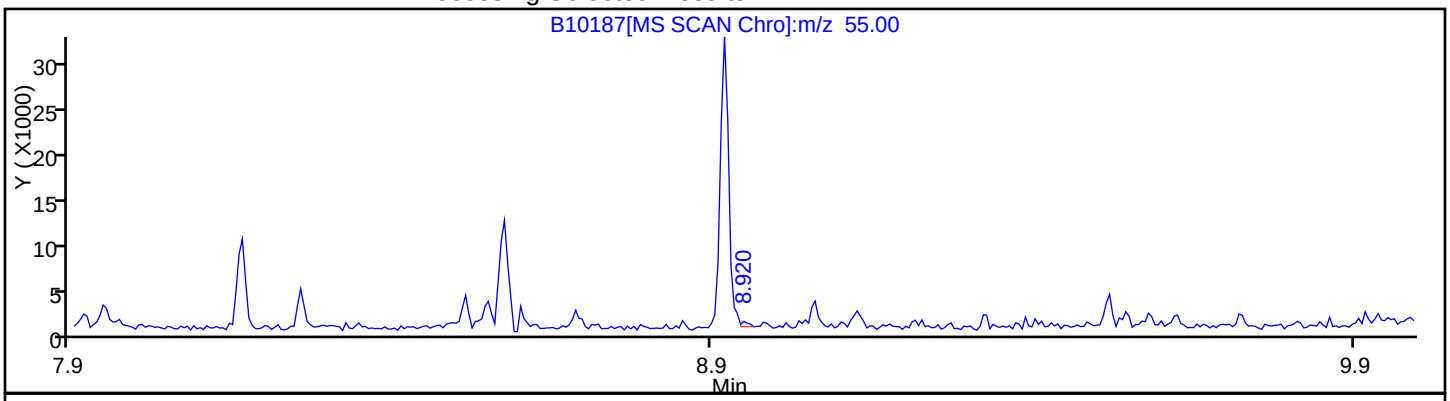
Reviewer: sullivanp, 14-Sep-2009 12:08:20
Audit Action: Marked Compound Undetected
Audit Reason:

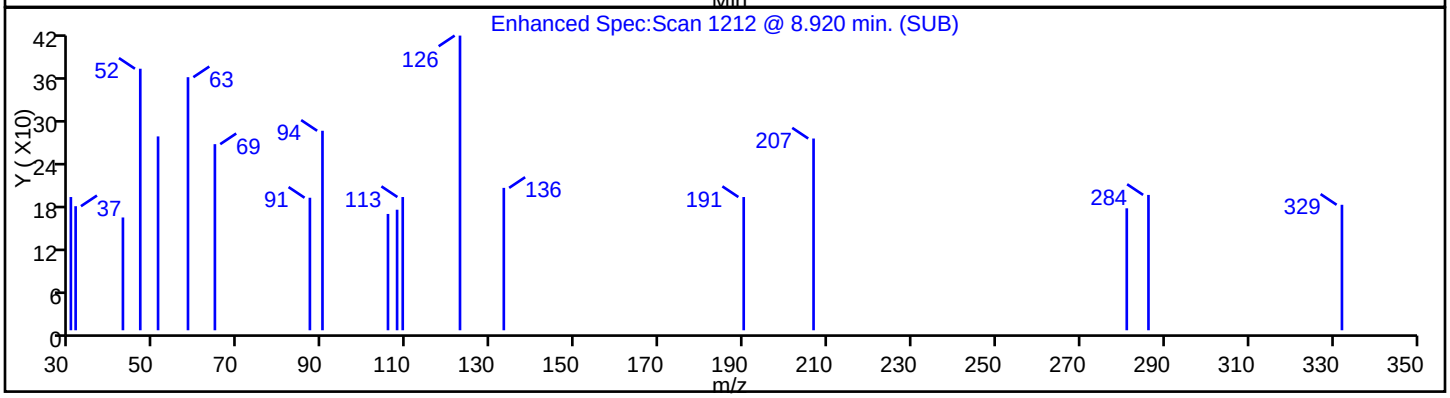
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10187.D		
Inj Date:	11-Sep-2009 12:58:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	STD05		
Sample Amount:	2.00 uL	Operator:	MZ

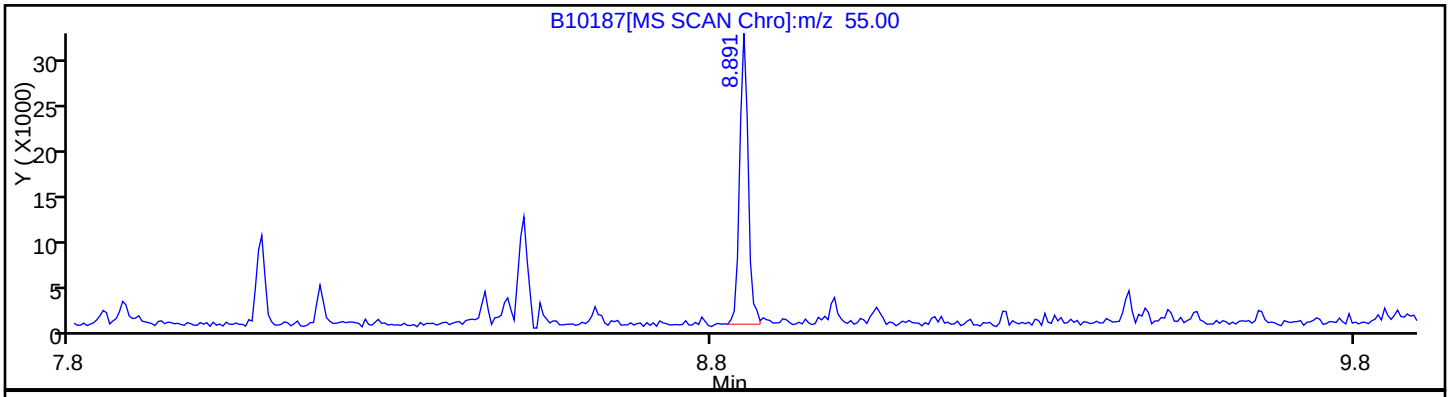
44 Caprolactam

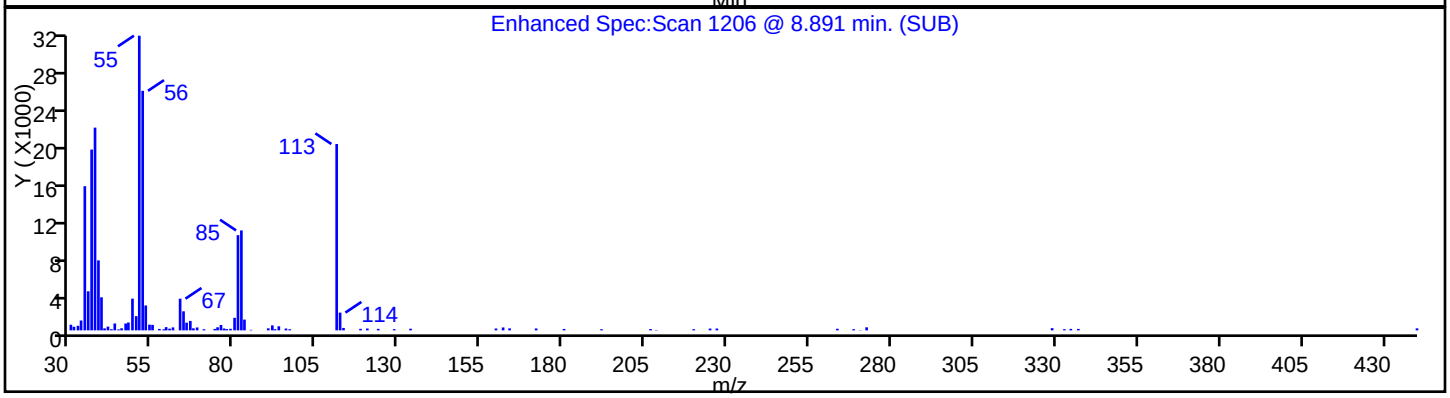
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 14-Sep-2009 12:08:20
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10188.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	11-Sep-2009 13:32:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	STD1		
Misc. Info.:	360-0001138-006		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	6
Lims Batch ID:	48839	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\8270B.m		
Last Update:	14-Sep-2009 12:09:40	Calib Date:	11-Sep-2009 13:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10188.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	14-Sep-2009 12:09:40

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.451	7.452	-0.001	521760	2.00	
* 2 Naphthalene-d8	136	8.586	8.582	0.004	1283537	2.00	
* 3 Acenaphthene-d10	164	10.091	10.092	-0.001	596296	2.00	
* 4 Phenanthrene-d10	188	11.331	11.333	-0.002	953720	2.00	
* 5 Chrysene-d12	240	14.467	14.473	-0.006	512252	2.00	
* 6 Perylene-d12	264	16.924	16.926	-0.002	273021	2.00	
$ 7 2-Fluorophenol	112	6.239	6.236	0.003	163819	1.11	
$ 8 Phenol-d5	99	7.138	7.140	-0.002	197290	1.08	
$ 9 Nitrobenzene-d5	82	7.970	7.972	-0.002	178222	0.99	
$ 10 2-Fluorobiphenyl	172	9.490	9.491	-0.001	395343	1.01	
$ 11 2,4,6-Tribromophenol	330	10.759	10.756	0.003	27676	0.9134	
$ 12 Terphenyl-d14	244	12.764	12.766	-0.002	267733	0.99	
14 1,4-Dioxane	88	3.608	3.610	-0.002	63428	1.10	
16 Pyridine	79	4.383	4.379	0.004	153763	1.08	
15 N-Nitrosodimethylamine	42	4.431	4.423	0.008	102422	1.02	
17 Benzaldehyde	105	7.061	7.063	-0.002	78821	1.00	
18 Phenol	94	7.148	7.149	-0.001	201572	1.07	
19 Aniline	93	7.186	7.188	-0.002	220300	1.06	
20 Bis(2-chloroethyl)ether	93	7.229	7.226	0.003	168670	1.06	
21 2-Chlorophenol	128	7.292	7.289	0.003	175948	1.05	
22 1,4-Dichlorobenzene	146	7.422	7.419	0.003	212255	1.01	
23 1,3-Dichlorobenzene	146	7.465	7.467	-0.002	225532	1.04	
24 Benzyl alcohol	79	7.581	7.582	-0.001	128092	1.02	
25 1,2-Dichlorobenzene	146	7.643	7.640	0.003	203785	1.01	
26 2-Methylphenol	108	7.682	7.683	-0.001	154977	1.07	
27 2,2'-oxybis[1-chloropropane]	45	7.710	7.712	-0.002	298525	1.04	
28 3 & 4 Methylphenol	108	7.807	7.808	-0.001	162793	1.09	
30 Acetophenone	105	7.826	7.827	-0.001	238289	1.05	
29 N-Nitrosodi-n-propylamine	70	7.831	7.832	-0.001	120173	1.09	
31 Hexachloroethane	117	7.917	7.914	0.003	77559	1.05	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.984	7.986	-0.002	183877	1.04	
33 Isophorone	82	8.172	8.174	-0.002	292722	1.03	
34 2-Nitrophenol	139	8.263	8.265	-0.002	94913	1.10	
35 2,4-Dimethylphenol	107	8.263	8.265	-0.002	146108	1.02	
36 Benzoic acid	105	8.326	8.326	0.000	3761	0.7694	M
37 Bis(2-chloroethoxy)methane	93	8.345	8.347	-0.002	188771	1.01	
38 2,4-Dichlorophenol	162	8.456	8.457	-0.001	135697	1.05	
39 1,2,4-Trichlorobenzene	180	8.542	8.539	0.003	170538	0.99	
40 Alpha-Terpineol	59	8.562	8.563	-0.001	139081	1.01	
41 Naphthalene	128	8.600	8.602	-0.002	530008	0.9786	
42 4-Chloroaniline	127	8.648	8.650	-0.002	190870	1.00	
43 Hexachlorobutadiene	225	8.739	8.736	0.003	83015	0.99	
44 Caprolactam	55	8.893	8.914	-0.021	62136	1.01	
45 4-Chloro-3-methylphenol	107	9.028	9.030	-0.002	131715	1.04	
46 2-Methylnaphthalene	142	9.182	9.183	-0.001	348940	0.99	
47 1-Methylnaphthalene	142	9.278	9.280	-0.002	349155	0.9820	
49 1,2,4,5-Tetrachlorobenzene	216	9.360	9.361	-0.001	148240	0.9877	
48 Hexachlorocyclopentadiene	237	9.369	9.366	0.003	41262	0.8654	
50 2,4,6-Trichlorophenol	196	9.432	9.433	-0.001	87518	1.06	
51 2,4,5-Trichlorophenol	196	9.466	9.472	-0.006	93587	1.09	
52 1,1'-Biphenyl	154	9.571	9.573	-0.002	427492	0.9860	
53 2-Chloronaphthalene	162	9.600	9.602	-0.002	389129	1.01	
54 Phenyl ether	170	9.658	9.660	-0.002	237201	1.00	
55 2-Nitroaniline	65	9.696	9.698	-0.002	84991	0.99	
56 Dimethyl phthalate	163	9.841	9.842	-0.001	372888	1.03	
57 2,6-Dinitrotoluene	165	9.918	9.919	-0.001	85992	1.00	
58 Acenaphthylene	152	9.966	9.967	-0.001	501903	1.03	
59 3-Nitroaniline	138	10.043	10.044	-0.001	79140	1.05	
61 Acenaphthene	153	10.115	10.116	-0.001	344483	1.00	
60 2,4-Dinitrophenol	184	10.129	10.126	0.003	3727	0.2819	
62 4-Nitrophenol	109	10.144	10.145	-0.001	25836	0.8210	
64 Dibenzofuran	168	10.245	10.246	-0.001	460118	1.01	
63 2,4-Dinitrotoluene	165	10.249	10.251	-0.002	100576	1.00	
65 2,3,4,6-Tetrachlorophenol	232	10.374	10.373	0.001	57751	0.9329	
66 Diethyl phthalate	149	10.418	10.419	-0.001	382947	1.00	
67 4-Chlorophenyl phenyl ether	204	10.504	10.506	-0.002	168435	1.00	
69 Fluorene	166	10.538	10.540	-0.002	374693	1.01	
68 4-Nitroaniline	138	10.562	10.564	-0.002	61345	0.99	
70 4,6-Dinitro-2-methylphenol	198	10.591	10.592	-0.001	17857	0.7639	
72 N-Nitrosodiphenylamine	169	10.605	10.607	-0.002	312881	1.02	
71 Diphenylamine	169	10.605	10.607	-0.002	312881	1.02	
73 1,2-Diphenylhydrazine	77	10.639	10.641	-0.001	362804	1.04	
74 Azobenzene	77	10.639	10.641	-0.001	362804	1.04	
13 Benzophenone	105	10.663	10.665	-0.002	302761	1.03	
75 4-Bromophenyl phenyl ether	248	10.918	10.919	-0.001	88535	1.01	
77 Atrazine	200	11.043	11.044	-0.001	90112	1.06	
76 Hexachlorobenzene	284	11.072	11.073	-0.001	87858	1.03	
78 Pentachlorophenol	266	11.211	11.213	-0.002	14834	0.9269	
79 Pentachloronitrobenzene	237	11.274	11.275	-0.001	31548	0.9544	
80 Phenanthrene	178	11.351	11.352	-0.001	508123	1.00	
81 Anthracene	178	11.389	11.391	-0.002	472488	1.04	
83 Carbazole	167	11.509	11.511	-0.002	393134	1.07	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.759	11.761	-0.002	627707	1.03	
85 Pyrene	202	12.404	12.405	-0.001	432768	0.9593	
86 Benzidine	184	12.495	12.497	-0.002	66783	0.6884	
87 Fluoranthene	202	12.654	12.655	-0.001	455931	1.04	
89 Butyl benzyl phthalate	149	13.385	13.386	-0.001	233459	1.04	
91 3,3'-Dichlorobenzidine	252	14.361	14.367	-0.006	131117	0.9023	
92 Bis(2-ethylhexyl) phthalate	149	14.390	14.391	-0.001	291294	1.00	
93 Benzo[a]anthracene	228	14.428	14.435	-0.007	242651	1.05	
94 Chrysene	228	14.520	14.526	-0.006	230919	1.04	
95 Di-n-octyl phthalate	149	15.630	15.632	-0.002	332343	0.8865	
97 Benzo[b]fluoranthene	252	16.323	16.325	-0.001	161029	0.9761	
98 Benzo[k]fluoranthene	252	16.352	16.358	-0.006	173342	1.16	
99 Benzo[a]pyrene	252	16.833	16.834	-0.001	103145	0.9594	
100 Indeno[1,2,3-cd]pyrene	276	18.934	18.945	-0.011	68452	0.8776	
101 Dibenz(a,h)anthracene	278	18.949	18.947	0.002	54577	0.9683	
102 Benzo[g,h,i]perylene	276	19.535	19.537	-0.002	63302	0.9310	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Sep-2009 12:09:41 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090911-2.b\B10188.D

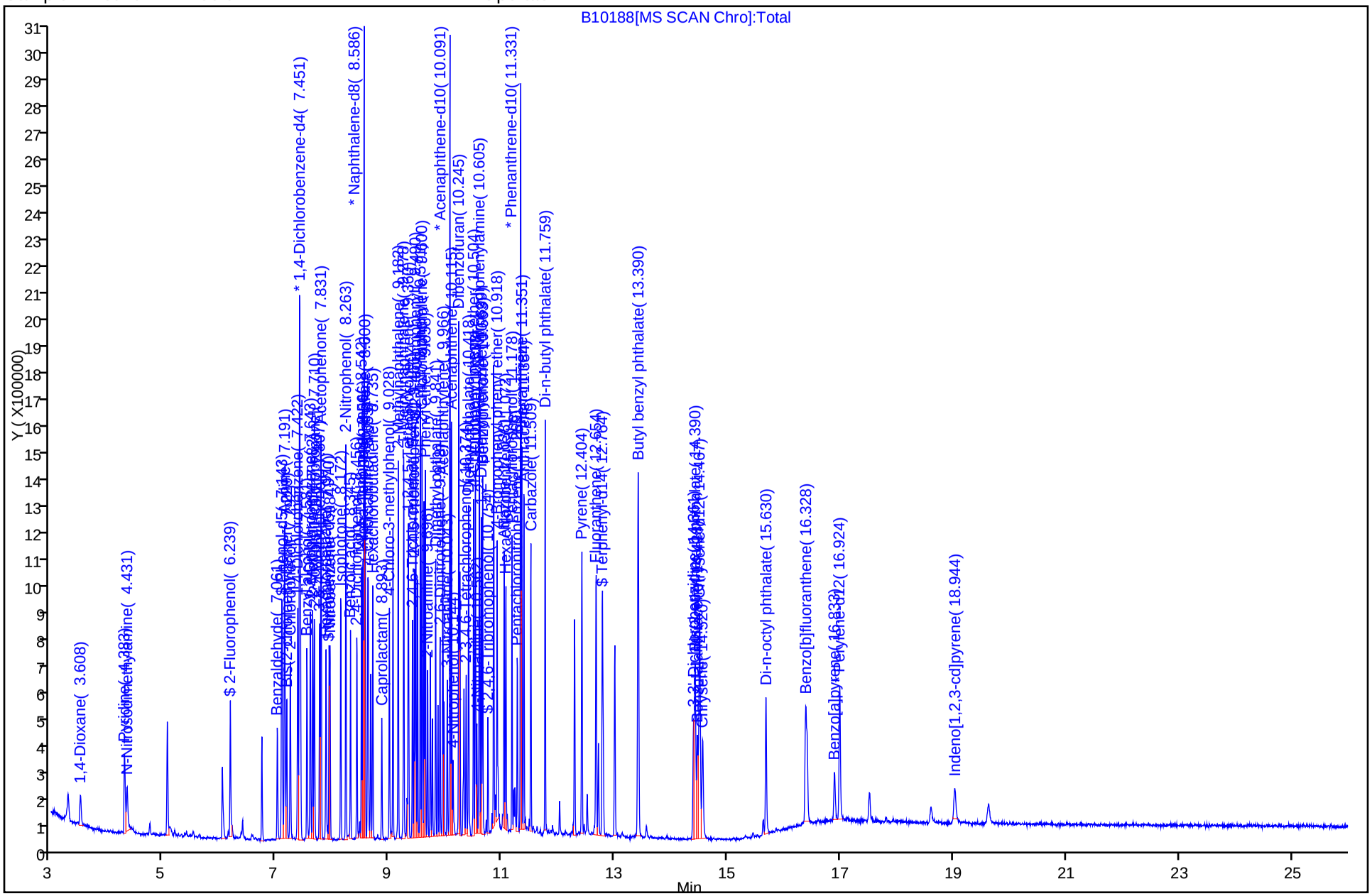
Inj Date: 11-Sep-2009 13:32:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48839 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: STD1

Sample Amount: 2.00 uL Operator: MZ



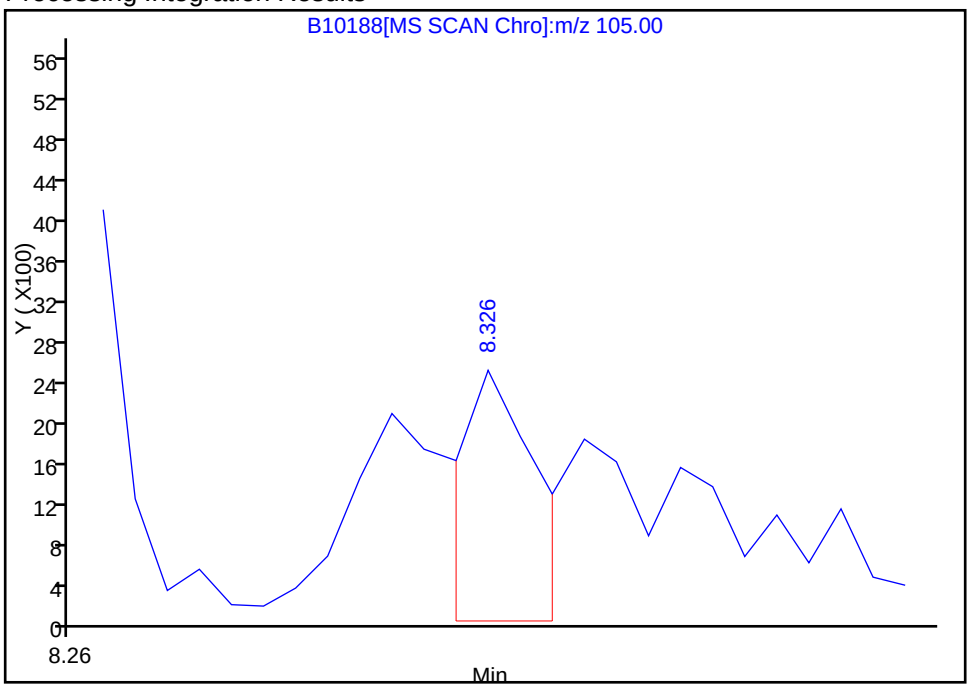
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10188.D		
Inj Date:	11-Sep-2009 13:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	STD1		
Sample Amount:	2.00 uL	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.33

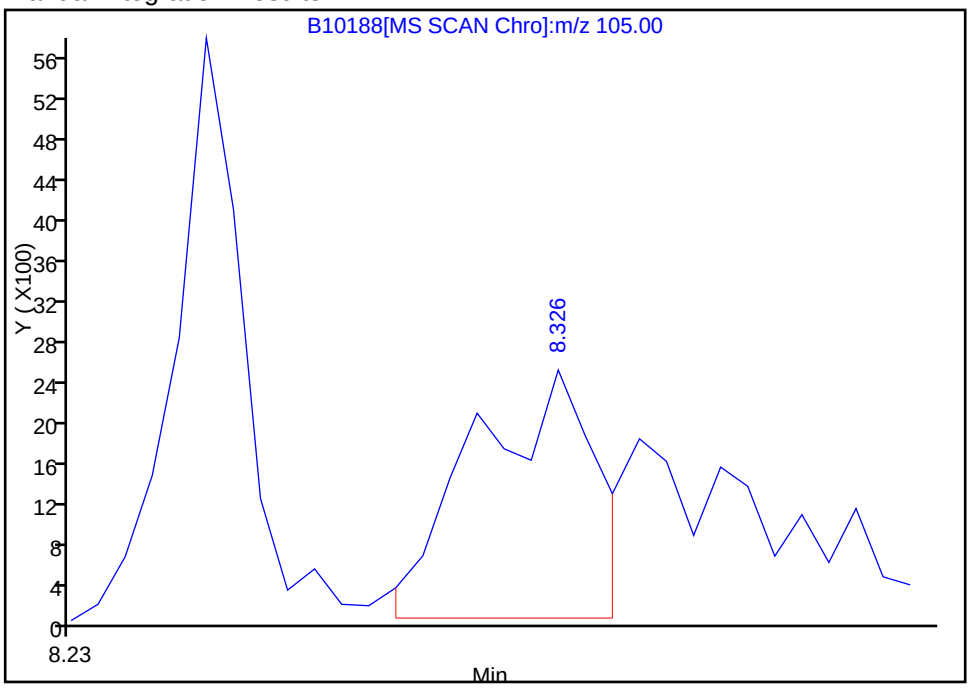
Processing Integration Results

RT: 8.33
Response: 2059
Amount: 0.736517



Manual Integration Results

RT: 8.33
Response: 3761
Amount: 0.769368



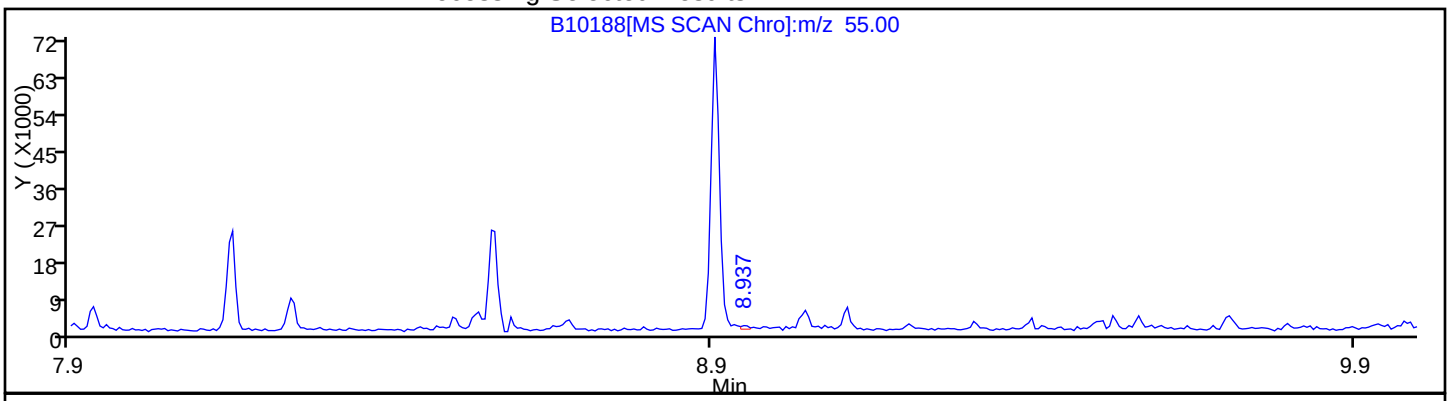
Reviewer: sullivanp, 14-Sep-2009 12:09:40
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

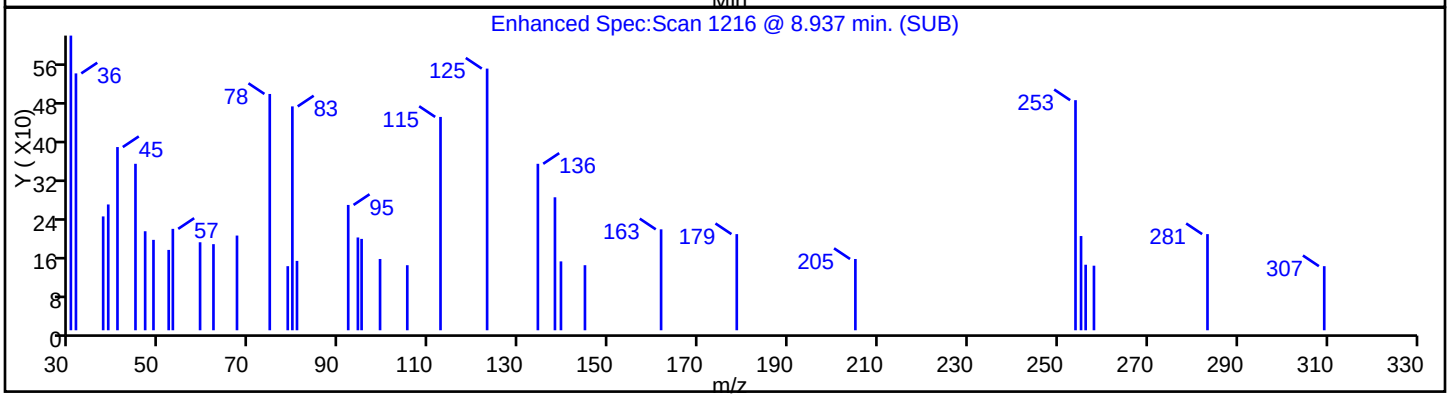
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10188.D		
Inj Date:	11-Sep-2009 13:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	STD1		
Sample Amount:	2.00 uL	Operator:	MZ

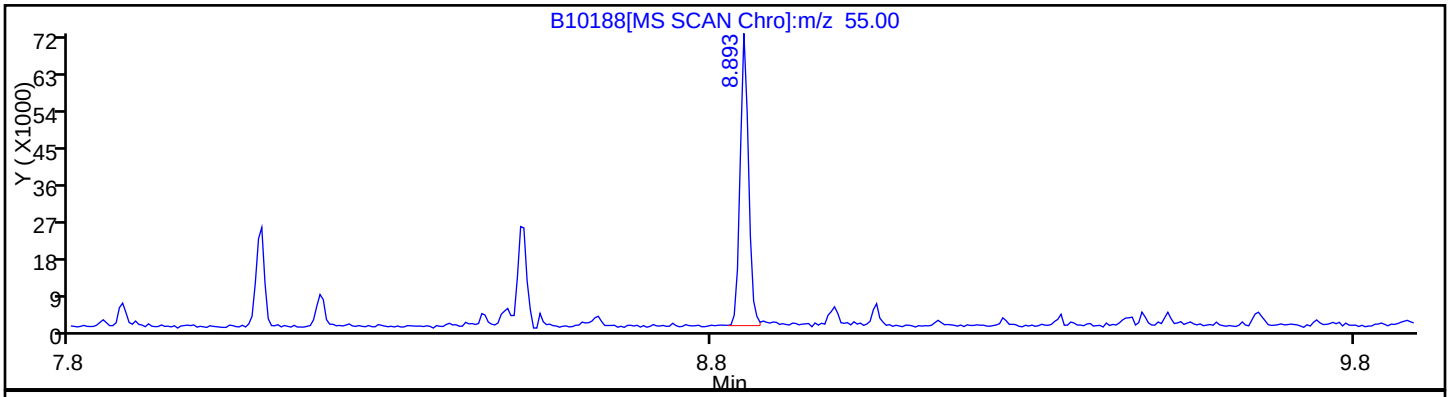
44 Caprolactam

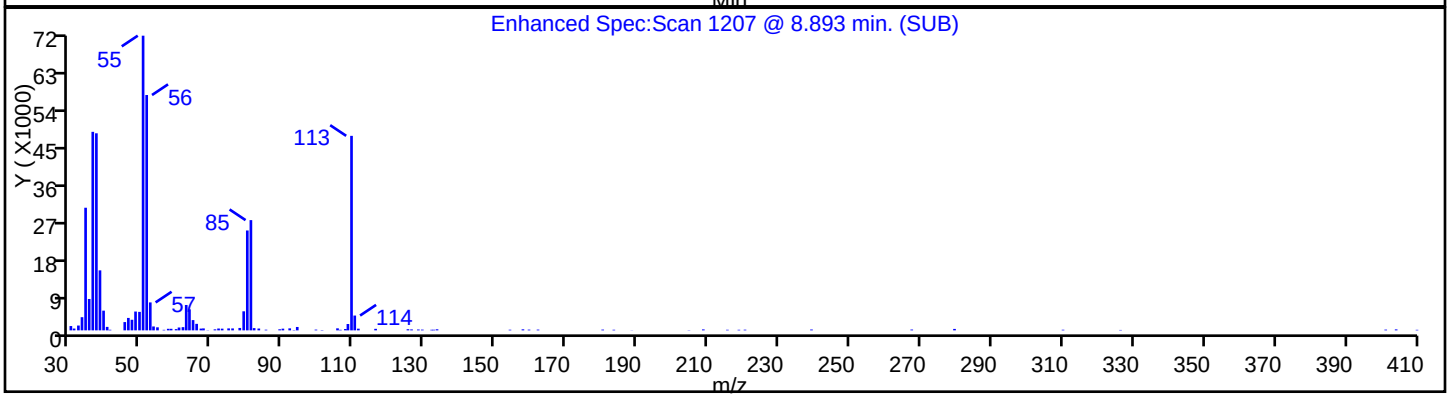
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 14-Sep-2009 12:09:40
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10189.D		
Lims ID:	STD25	Client ID:	
Inject. Date:	11-Sep-2009 14:06:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	STD25		
Misc. Info.:	360-0001138-007		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	7
Lims Batch ID:	48839	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\8270B.m		
Last Update:	14-Sep-2009 12:10:42	Calib Date:	11-Sep-2009 14:06:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10189.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 14-Sep-2009 12:10:42

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.453	7.452	0.001	568651	2.00	
* 2 Naphthalene-d8	136	8.583	8.582	0.001	1363028	2.00	
* 3 Acenaphthene-d10	164	10.088	10.092	-0.004	585705	2.00	
* 4 Phenanthrene-d10	188	11.329	11.333	-0.004	954301	2.00	
* 5 Chrysene-d12	240	14.469	14.473	-0.004	580860	2.00	
* 6 Perylene-d12	264	16.927	16.926	0.001	331008	2.00	
$ 7 2-Fluorophenol	112	6.237	6.236	0.001	397822	2.47	
$ 8 Phenol-d5	99	7.136	7.140	-0.004	478774	2.42	
$ 9 Nitrobenzene-d5	82	7.973	7.972	0.001	445058	2.36	
$ 10 2-Fluorobiphenyl	172	9.492	9.491	0.001	954592	2.48	
$ 11 2,4,6-Tribromophenol	330	10.757	10.756	0.001	76254	2.42	
$ 12 Terphenyl-d14	244	12.762	12.766	-0.004	668516	2.23	
14 1,4-Dioxane	88	3.597	3.610	-0.013	145028	2.47	
16 Pyridine	79	4.371	4.379	-0.008	369562	2.40	
15 N-Nitrosodimethylamine	42	4.419	4.423	-0.004	254662	2.36	
17 Benzaldehyde	105	7.064	7.063	0.001	198108	2.34	
18 Phenol	94	7.145	7.149	-0.004	481741	2.37	
19 Aniline	93	7.189	7.188	0.001	560060	2.48	
20 Bis(2-chloroethyl)ether	93	7.227	7.226	0.001	400731	2.35	
21 2-Chlorophenol	128	7.290	7.289	0.001	444625	2.44	
22 1,4-Dichlorobenzene	146	7.420	7.419	0.001	514026	2.28	
23 1,3-Dichlorobenzene	146	7.468	7.467	0.001	534452	2.30	
24 Benzyl alcohol	79	7.583	7.582	0.001	336804	2.43	
25 1,2-Dichlorobenzene	146	7.641	7.640	0.001	488315	2.27	
26 2-Methylphenol	108	7.684	7.683	0.001	378382	2.42	
27 2,2'-oxybis[1-chloropropane]	45	7.713	7.712	0.001	717651	2.33	
28 3 & 4 Methylphenol	108	7.804	7.808	-0.004	402774	2.47	
30 Acetophenone	105	7.828	7.827	0.001	579030	2.37	
29 N-Nitrosodi-n-propylamine	70	7.833	7.832	0.001	291782	2.44	
31 Hexachloroethane	117	7.915	7.914	0.001	189747	2.38	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.987	7.986	0.001	443470	2.38	
33 Isophorone	82	8.175	8.174	0.001	759257	2.52	
34 2-Nitrophenol	139	8.266	8.265	0.001	238782	2.59	
35 2,4-Dimethylphenol	107	8.266	8.265	0.001	363051	2.41	
36 Benzoic acid	105	8.314	8.314	0.000	15389	2.45	5
37 Bis(2-chloroethoxy)methane	93	8.348	8.347	0.001	451297	2.31	
38 2,4-Dichlorophenol	162	8.458	8.457	0.001	344447	2.50	
39 1,2,4-Trichlorobenzene	180	8.540	8.539	0.001	402396	2.25	
40 Alpha-Terpineol	59	8.564	8.563	0.001	349237	2.40	
41 Naphthalene	128	8.603	8.602	0.001	1278547	2.26	
42 4-Chloroaniline	127	8.646	8.650	-0.004	506727	2.51	
43 Hexachlorobutadiene	225	8.737	8.736	0.001	206878	2.35	
44 Caprolactam	55	8.901	8.914	-0.013	174196	2.65	
45 4-Chloro-3-methylphenol	107	9.031	9.030	0.000	329818	2.46	
46 2-Methylnaphthalene	142	9.184	9.183	0.001	839474	2.28	
47 1-Methylnaphthalene	142	9.281	9.280	0.001	848041	2.28	
49 1,2,4,5-Tetrachlorobenzene	216	9.358	9.361	-0.003	364187	2.32	
48 Hexachlorocyclopentadiene	237	9.367	9.366	0.001	104988	2.23	
50 2,4,6-Trichlorophenol	196	9.434	9.433	0.001	227943	2.75	
51 2,4,5-Trichlorophenol	196	9.468	9.472	-0.004	244728	2.83	
52 1,1'-Biphenyl	154	9.574	9.573	0.001	1058320	2.49	
53 2-Chloronaphthalene	162	9.603	9.602	0.001	921217	2.45	
54 Phenyl ether	170	9.660	9.660	0.000	567437	2.30	
55 2-Nitroaniline	65	9.699	9.698	0.001	223026	2.57	
56 Dimethyl phthalate	163	9.838	9.842	-0.004	893324	2.51	
57 2,6-Dinitrotoluene	165	9.915	9.919	-0.004	213984	2.73	
58 Acenaphthylene	152	9.963	9.967	-0.004	1223724	2.55	
59 3-Nitroaniline	138	10.045	10.044	0.001	203857	2.71	
61 Acenaphthene	153	10.117	10.116	0.001	824657	2.45	
60 2,4-Dinitrophenol	184	10.127	10.126	0.001	30064	2.37	
62 4-Nitrophenol	109	10.141	10.145	-0.004	83794	2.33	
64 Dibenzofuran	168	10.247	10.246	0.001	1056146	2.39	
63 2,4-Dinitrotoluene	165	10.247	10.251	-0.004	264609	2.57	
65 2,3,4,6-Tetrachlorophenol	232	10.372	10.372	0.000	160170	2.53	
66 Diethyl phthalate	149	10.415	10.419	-0.004	899346	2.41	
67 4-Chlorophenyl phenyl ether	204	10.507	10.506	0.001	413517	2.51	
69 Fluorene	166	10.536	10.540	-0.004	899643	2.48	
68 4-Nitroaniline	138	10.560	10.564	-0.004	158638	2.53	
70 4,6-Dinitro-2-methylphenol	198	10.593	10.592	0.001	72128	2.51	
72 N-Nitrosodiphenylamine	169	10.608	10.607	0.001	772004	2.52	
71 Diphenylamine	169	10.608	10.607	0.001	772004	2.52	
73 1,2-Diphenylhydrazine	77	10.637	10.641	-0.003	896556	2.57	
74 Azobenzene	77	10.637	10.641	-0.003	896556	2.57	
13 Benzophenone	105	10.666	10.665	0.001	732291	2.49	
75 4-Bromophenyl phenyl ether	248	10.916	10.919	-0.003	217311	2.48	
77 Atrazine	200	11.041	11.044	-0.003	222765	2.59	
76 Hexachlorobenzene	284	11.074	11.073	0.001	207902	2.45	
78 Pentachlorophenol	266	11.209	11.213	-0.004	63170	2.52	
79 Pentachloronitrobenzene	237	11.271	11.275	-0.004	86603	2.77	
80 Phenanthrene	178	11.353	11.352	0.001	1225571	2.42	
81 Anthracene	178	11.387	11.391	-0.004	1160450	2.54	
83 Carbazole	167	11.507	11.511	-0.004	943708	2.55	

Report Date: 14-Sep-2009 12:10:43 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTB.i\20090911-2.b\B10189.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.762	11.761	0.001	1470752	2.50	
85 Pyrene	202	12.401	12.405	-0.004	1103208	2.21	
86 Benzidine	184	12.498	12.497	0.001	279556	2.53	
87 Fluoranthene	202	12.652	12.655	-0.003	1162027	2.63	
89 Butyl benzyl phthalate	149	13.387	13.386	0.001	595062	2.36	
91 3,3'-Dichlorobenzidine	252	14.363	14.367	-0.004	424620	2.44	
92 Bis(2-ethylhexyl) phthalate	149	14.388	14.391	-0.003	790360	2.42	
93 Benzo[a]anthracene	228	14.436	14.435	0.001	677322	2.57	
94 Chrysene	228	14.522	14.526	-0.004	626130	2.50	
95 Di-n-octyl phthalate	149	15.633	15.632	0.001	1038126	2.46	
97 Benzo[b]fluoranthene	252	16.321	16.325	-0.003	493832	2.47	
98 Benzo[k]fluoranthene	252	16.354	16.358	-0.004	479978	2.62	
99 Benzo[a]pyrene	252	16.830	16.834	-0.004	337898	2.52	
100 Indeno[1,2,3-cd]pyrene	276	18.937	18.945	-0.008	241187	2.46	
101 Dibenz(a,h)anthracene	278	18.946	18.946	0.000	195223	2.79	
102 Benzo[g,h,i]perylene	276	19.533	19.537	-0.004	204229	2.48	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 14-Sep-2009 12:10:43 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090911-2.b\B10189.D

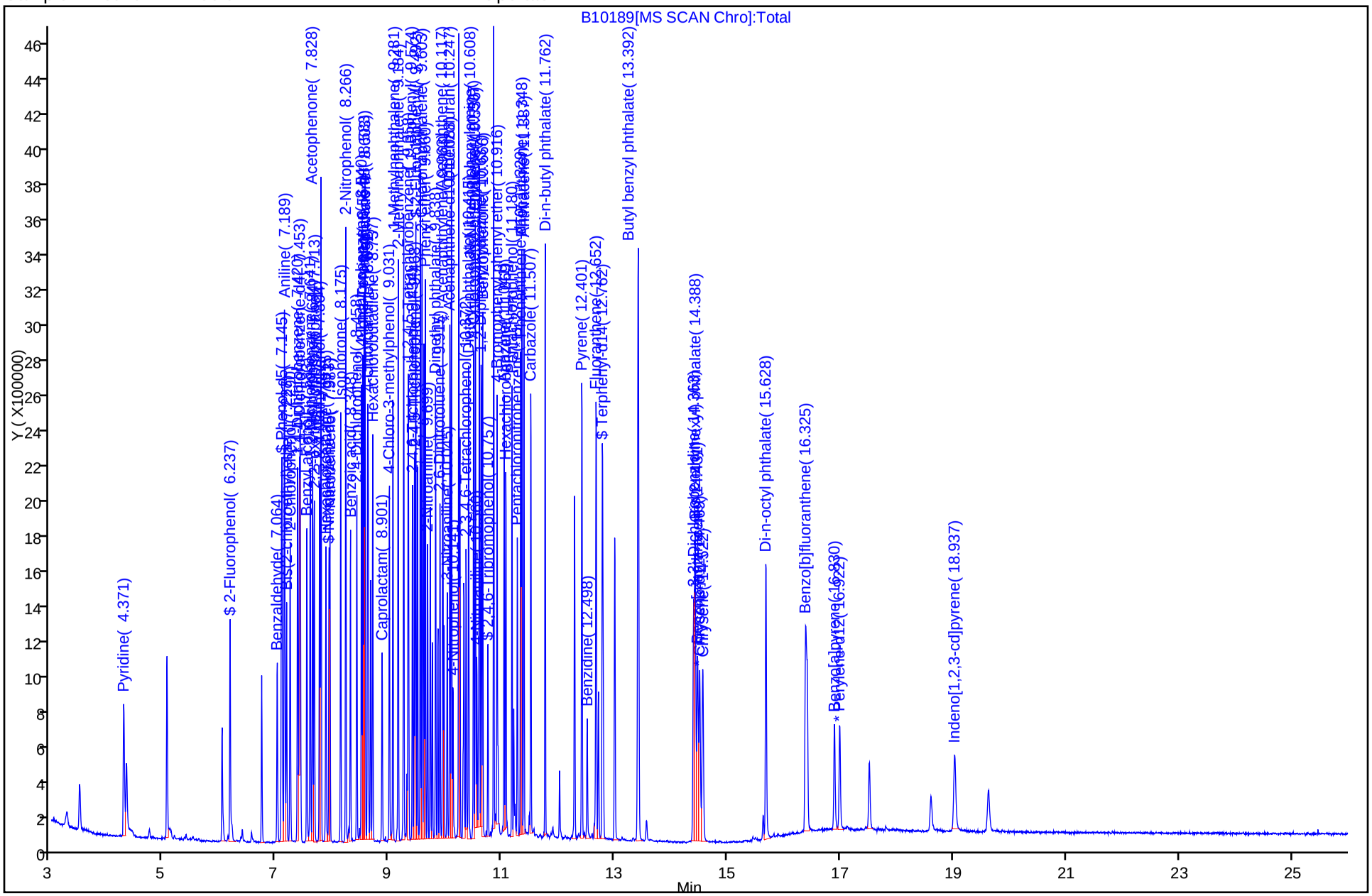
Inj Date: 11-Sep-2009 14:06:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48839 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\20090911-2.b\B10190.D		
Lims ID:	STD8	Client ID:	
Inject. Date:	11-Sep-2009 14:40:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	STD8		
Misc. Info.:	360-0001138-008		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	8
Lims Batch ID:	48839	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\8270B.m		
Last Update:	14-Sep-2009 12:11:30	Calib Date:	11-Sep-2009 14:40:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10190.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 14-Sep-2009 12:11:30

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.455	7.452	0.003	851550	2.00	
* 2 Naphthalene-d8	136	8.585	8.582	0.003	1491801	2.00	
* 3 Acenaphthene-d10	164	10.090	10.092	-0.002	737133	2.00	
* 4 Phenanthrene-d10	188	11.331	11.333	-0.002	1206267	2.00	
* 5 Chrysene-d12	240	14.476	14.473	0.003	814979	2.00	
* 6 Perylene-d12	264	16.928	16.926	0.002	472790	2.00	
$ 7 2-Fluorophenol	112	6.238	6.236	0.002	1589004	6.76	
$ 8 Phenol-d5	99	7.142	7.140	0.002	1954181	6.77	
$ 9 Nitrobenzene-d5	82	7.974	7.972	0.002	1825401	8.72	
$ 10 2-Fluorobiphenyl	172	9.494	9.491	0.003	3748403	7.76	
$ 11 2,4,6-Tribromophenol	330	10.759	10.756	0.003	349214	8.28	
$ 12 Terphenyl-d14	244	12.764	12.766	-0.002	2927370	7.09	
14 1,4-Dioxane	88	3.622	3.610	0.012	571011	7.65	
16 Pyridine	79	4.387	4.379	0.008	1503742	6.70	
15 N-Nitrosodimethylamine	42	4.430	4.423	0.007	1040810	6.62	
17 Benzaldehyde	105	7.066	7.063	0.003	812323	6.59	
18 Phenol	94	7.152	7.149	0.003	2005036	6.77	
19 Aniline	93	7.191	7.188	0.003	2420091	7.26	
20 Bis(2-chloroethyl)ether	93	7.229	7.226	0.003	1556453	6.30	
21 2-Chlorophenol	128	7.292	7.289	0.003	1788082	6.73	
22 1,4-Dichlorobenzene	146	7.421	7.419	0.002	2021554	6.21	
23 1,3-Dichlorobenzene	146	7.469	7.467	0.002	2116153	6.29	
24 Benzyl alcohol	79	7.585	7.582	0.003	1405770	6.95	
25 1,2-Dichlorobenzene	146	7.643	7.640	0.003	1968955	6.33	
26 2-Methylphenol	108	7.686	7.683	0.003	1543395	6.77	
27 2,2'-oxybis[1-chloropropane]	45	7.710	7.712	-0.002	2744595	6.18	
28 3 & 4 Methylphenol	108	7.811	7.808	0.003	1635970	6.87	
30 Acetophenone	105	7.830	7.827	0.003	2327012	6.55	
29 N-Nitrosodi-n-propylamine	70	7.840	7.832	0.008	1193235	6.83	
31 Hexachloroethane	117	7.917	7.914	0.003	757281	6.55	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.989	7.986	0.003	1784418	8.65	
33 Isophorone	82	8.176	8.174	0.002	3068301	9.09	
34 2-Nitrophenol	139	8.268	8.265	0.003	1036142	9.87	
35 2,4-Dimethylphenol	107	8.268	8.265	0.003	1479451	8.81	
36 Benzoic acid	105	8.340	8.326	0.014	386493	7.99	
37 Bis(2-chloroethoxy)methane	93	8.349	8.347	0.002	1826620	8.45	
38 2,4-Dichlorophenol	162	8.460	8.457	0.003	1402814	9.09	
39 1,2,4-Trichlorobenzene	180	8.542	8.539	0.003	1625128	8.25	
40 Alpha-Terpineol	59	8.566	8.563	0.003	1454865	8.96	
41 Naphthalene	128	8.604	8.602	0.002	4876764	7.91	
42 4-Chloroaniline	127	8.648	8.650	-0.002	2092505	9.21	
43 Hexachlorobutadiene	225	8.739	8.736	0.003	813521	8.38	
44 Caprolactam	55	8.927	8.914	0.013	788731	8.68	
45 4-Chloro-3-methylphenol	107	9.032	9.030	0.002	1457481	9.61	
46 2-Methylnaphthalene	142	9.186	9.183	0.003	3395484	8.38	
47 1-Methylnaphthalene	142	9.282	9.280	0.002	3410213	8.34	
49 1,2,4,5-Tetrachlorobenzene	216	9.359	9.361	-0.002	1449305	8.37	
48 Hexachlorocyclopentadiene	237	9.369	9.366	0.003	581107	8.29	
50 2,4,6-Trichlorophenol	196	9.436	9.433	0.003	1022307	9.50	
51 2,4,5-Trichlorophenol	196	9.475	9.472	0.003	981526	8.84	
52 1,1'-Biphenyl	154	9.576	9.573	0.003	4098703	7.70	
53 2-Chloronaphthalene	162	9.605	9.602	0.003	3611448	7.68	
54 Phenyl ether	170	9.662	9.660	0.002	2313156	8.48	
55 2-Nitroaniline	65	9.701	9.698	0.003	961652	8.55	
56 Dimethyl phthalate	163	9.845	9.842	0.003	3563218	7.96	
57 2,6-Dinitrotoluene	165	9.922	9.919	0.003	909691	9.03	
58 Acenaphthylene	152	9.970	9.967	0.003	4869558	8.06	
59 3-Nitroaniline	138	10.047	10.044	0.003	883689	9.12	
61 Acenaphthene	153	10.119	10.116	0.003	3346597	7.92	
60 2,4-Dinitrophenol	184	10.129	10.126	0.003	304819	7.99	
62 4-Nitrophenol	109	10.148	10.145	0.003	423479	8.33	
64 Dibenzofuran	168	10.249	10.246	0.003	4371561	7.87	
63 2,4-Dinitrotoluene	165	10.254	10.251	0.003	1165852	8.66	
65 2,3,4,6-Tetrachlorophenol	232	10.379	10.373	0.006	730146	8.78	
66 Diethyl phthalate	149	10.422	10.419	0.003	3633079	7.77	
67 4-Chlorophenyl phenyl ether	204	10.509	10.506	0.003	1705819	8.19	
69 Fluorene	166	10.537	10.540	-0.003	3754023	8.19	
68 4-Nitroaniline	138	10.571	10.564	0.007	783024	9.34	
70 4,6-Dinitro-2-methylphenol	198	10.595	10.592	0.003	524473	7.97	
72 N-Nitrosodiphenylamine	169	10.610	10.607	0.003	3235604	8.31	
71 Diphenylamine	169	10.610	10.607	0.003	3235604	8.31	
73 1,2-Diphenylhydrazine	77	10.643	10.641	0.003	3586145	8.10	
74 Azobenzene	77	10.643	10.641	0.003	3586145	8.10	
13 Benzophenone	105	10.667	10.665	0.002	2927650	7.88	
75 4-Bromophenyl phenyl ether	248	10.917	10.919	-0.002	921230	8.26	
77 Atrazine	200	11.047	11.044	0.003	939082	8.55	
76 Hexachlorobenzene	284	11.071	11.073	-0.002	866494	8.06	
78 Pentachlorophenol	266	11.211	11.213	-0.002	432336	7.98	
79 Pentachloronitrobenzene	237	11.278	11.275	0.003	373068	9.21	
80 Phenanthrene	178	11.355	11.352	0.003	4878222	7.67	
81 Anthracene	178	11.393	11.391	0.002	4775140	8.23	
83 Carbazole	167	11.514	11.511	0.003	3896681	8.27	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.764	11.761	0.003	5437422	7.54	
85 Pyrene	202	12.408	12.405	0.003	4632122	6.77	
86 Benzidine	184	12.499	12.497	0.002	2180231	7.99	
87 Fluoranthene	202	12.658	12.655	0.003	4888355	8.63	
89 Butyl benzyl phthalate	149	13.389	13.386	0.003	2664000	7.60	
91 3,3'-Dichlorobenzidine	252	14.370	14.367	0.003	2204466	8.38	
92 Bis(2-ethylhexyl) phthalate	149	14.394	14.391	0.003	3718073	8.10	
93 Benzo[a]anthracene	228	14.437	14.435	0.002	3149970	8.44	
94 Chrysene	228	14.534	14.526	0.008	2857443	8.10	
95 Di-n-octyl phthalate	149	15.635	15.632	0.003	5243063	7.82	
97 Benzo[b]fluoranthene	252	16.327	16.325	0.003	2464371	8.55	
98 Benzo[k]fluoranthene	252	16.361	16.358	0.003	2249360	8.51	
99 Benzo[a]pyrene	252	16.837	16.834	0.003	1774468	8.90	
100 Indeno[1,2,3-cd]pyrene	276	18.948	18.945	0.003	1435049	8.02	
101 Dibenz(a,h)anthracene	278	18.953	18.947	0.006	1174770	8.02	
102 Benzo[g,h,i]perylene	276	19.540	19.537	0.003	1183560	9.71	

Report Date: 14-Sep-2009 12:11:31 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090911-2.b\B10190.D

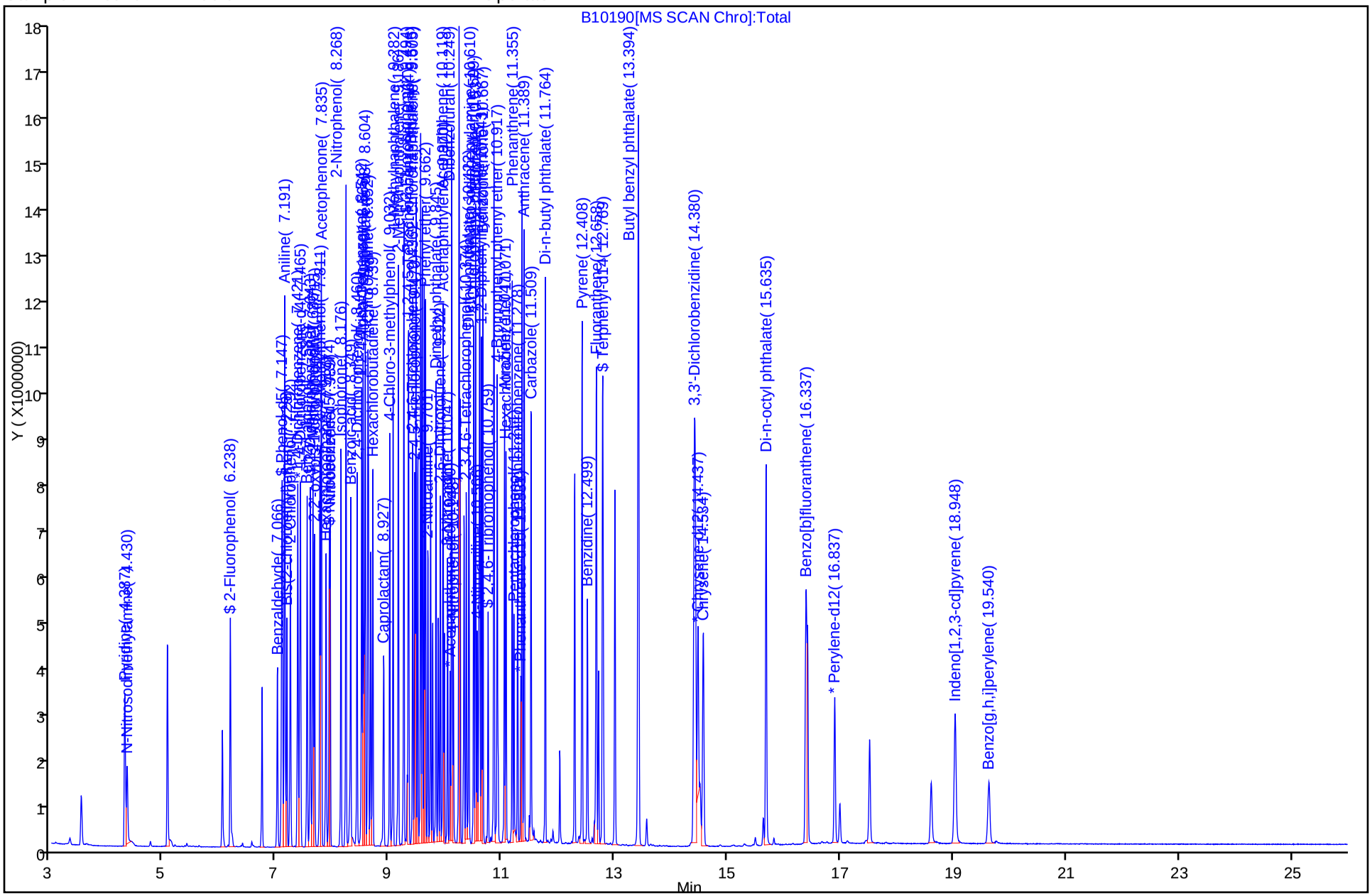
Inj Date: 11-Sep-2009 14:40:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48839 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\20090911-2.b\B10191.D		
Lims ID:	STD10	Client ID:	
Inject. Date:	11-Sep-2009 15:14:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	STD10		
Misc. Info.:	360-0001138-009		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	9
Lims Batch ID:	48839	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\8270B.m		
Last Update:	14-Sep-2009 12:12:34	Calib Date:	11-Sep-2009 15:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10191.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 14-Sep-2009 12:12:33

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.454	7.452	0.002	874843	2.00	
* 2 Naphthalene-d8	136	8.584	8.582	0.002	1538088	2.00	
* 3 Acenaphthene-d10	164	10.094	10.092	0.002	701605	2.00	
* 4 Phenanthrene-d10	188	11.334	11.333	0.001	1162774	2.00	
* 5 Chrysene-d12	240	14.474	14.473	0.001	761417	2.00	
* 6 Perylene-d12	264	16.932	16.926	0.006	437858	2.00	
$ 7 2-Fluorophenol	112	6.237	6.236	0.001	2001841	8.47	
$ 8 Phenol-d5	99	7.141	7.140	0.001	2461052	8.48	
$ 9 Nitrobenzene-d5	82	7.973	7.972	0.001	2274825	10.5	
$ 10 2-Fluorobiphenyl	172	9.493	9.491	0.002	4510738	9.84	
$ 11 2,4,6-Tribromophenol	330	10.762	10.756	0.006	446347	10.6	
$ 12 Terphenyl-d14	244	12.767	12.766	0.001	3531238	9.25	
14 1,4-Dioxane	88	3.616	3.610	0.006	714342	9.71	
16 Pyridine	79	4.381	4.379	0.002	1899961	8.42	
15 N-Nitrosodimethylamine	42	4.429	4.423	0.006	1284202	8.16	
17 Benzaldehyde	105	7.064	7.063	0.001	955900	7.79	
18 Phenol	94	7.155	7.149	0.006	2497633	8.40	
19 Aniline	93	7.194	7.188	0.006	3061417	9.06	
20 Bis(2-chloroethyl)ether	93	7.232	7.226	0.006	1868022	7.62	
21 2-Chlorophenol	128	7.290	7.289	0.001	2205810	8.28	
22 1,4-Dichlorobenzene	146	7.420	7.419	0.001	2496569	7.71	
23 1,3-Dichlorobenzene	146	7.468	7.467	0.001	2623439	7.82	
24 Benzyl alcohol	79	7.583	7.582	0.001	1752977	8.67	
25 1,2-Dichlorobenzene	146	7.641	7.640	0.001	2386710	7.71	
26 2-Methylphenol	108	7.689	7.683	0.006	1903725	8.32	
27 2,2'-oxybis[1-chloropropane]	45	7.713	7.712	0.001	3441358	7.78	
28 3 & 4 Methylphenol	108	7.809	7.808	0.001	2026560	8.46	
30 Acetophenone	105	7.834	7.827	0.007	2868520	8.08	
29 N-Nitrosodi-n-propylamine	70	7.838	7.832	0.006	1478131	8.42	
31 Hexachloroethane	117	7.915	7.914	0.001	953557	8.23	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.992	7.986	0.006	2207142	10.3	
33 Isophorone	82	8.180	8.174	0.006	3771132	10.7	
34 2-Nitrophenol	139	8.266	8.265	0.001	1273180	11.5	
35 2,4-Dimethylphenol	107	8.266	8.265	0.001	1802599	10.4	
36 Benzoic acid	105	8.353	8.326	0.027	706750	10.1	
37 Bis(2-chloroethoxy)methane	93	8.348	8.347	0.001	2249345	10.1	
38 2,4-Dichlorophenol	162	8.463	8.457	0.006	1793703	11.1	
39 1,2,4-Trichlorobenzene	180	8.540	8.539	0.001	1971133	9.74	
40 Alpha-Terpineol	59	8.569	8.563	0.006	1785653	10.6	
41 Naphthalene	128	8.603	8.602	0.001	5803602	9.23	
42 4-Chloroaniline	127	8.651	8.650	0.001	2600539	11.0	
43 Hexachlorobutadiene	225	8.738	8.736	0.002	989861	9.91	
44 Caprolactam	55	8.935	8.914	0.021	907694	9.80	
45 4-Chloro-3-methylphenol	107	9.036	9.030	0.006	1784080	11.2	
46 2-Methylnaphthalene	142	9.185	9.183	0.002	4090514	9.81	
47 1-Methylnaphthalene	142	9.281	9.280	0.001	4053040	9.66	
49 1,2,4,5-Tetrachlorobenzene	216	9.363	9.361	0.002	1781925	9.98	
48 Hexachlorocyclopentadiene	237	9.368	9.366	0.002	700917	10.6	
50 2,4,6-Trichlorophenol	196	9.435	9.433	0.002	1259614	12.0	
51 2,4,5-Trichlorophenol	196	9.473	9.472	0.001	1270858	11.7	
52 1,1'-Biphenyl	154	9.574	9.573	0.001	4798160	9.54	
53 2-Chloronaphthalene	162	9.603	9.602	0.001	4632517	10.3	
54 Phenyl ether	170	9.661	9.660	0.001	2818236	10.0	
55 2-Nitroaniline	65	9.704	9.698	0.006	1159768	10.7	
56 Dimethyl phthalate	163	9.844	9.842	0.002	4053721	9.57	
57 2,6-Dinitrotoluene	165	9.921	9.919	0.002	1075058	11.0	
58 Acenaphthylene	152	9.969	9.967	0.002	5761231	10.0	
59 3-Nitroaniline	138	10.050	10.044	0.006	1065340	11.3	
61 Acenaphthene	153	10.122	10.116	0.006	3912513	9.77	
60 2,4-Dinitrophenol	184	10.132	10.126	0.006	454241	10.0	
62 4-Nitrophenol	109	10.151	10.145	0.006	522045	10.4	
64 Dibenzofuran	168	10.248	10.246	0.002	5158803	9.78	
63 2,4-Dinitrotoluene	165	10.252	10.251	0.001	1439026	11.0	
65 2,3,4,6-Tetrachlorophenol	232	10.377	10.373	0.004	942026	11.5	
66 Diethyl phthalate	149	10.421	10.419	0.002	4222473	9.55	
67 4-Chlorophenyl phenyl ether	204	10.507	10.506	0.001	2016091	10.1	
69 Fluorene	166	10.541	10.540	0.001	4378521	10.0	
68 4-Nitroaniline	138	10.570	10.564	0.006	973664	10.8	
70 4,6-Dinitro-2-methylphenol	198	10.599	10.592	0.007	686752	9.95	
72 N-Nitrosodiphenylamine	169	10.613	10.607	0.006	3819510	10.2	
71 Diphenylamine	169	10.613	10.607	0.006	3819510	10.2	
73 1,2-Diphenylhydrazine	77	10.642	10.641	0.002	4236107	9.94	
74 Azobenzene	77	10.642	10.641	0.002	4236107	9.94	
13 Benzophenone	105	10.666	10.665	0.001	3438538	9.65	
75 4-Bromophenyl phenyl ether	248	10.921	10.919	0.002	1084718	10.1	
77 Atrazine	200	11.046	11.044	0.002	1133301	10.6	
76 Hexachlorobenzene	284	11.075	11.073	0.002	1017996	9.85	
78 Pentachlorophenol	266	11.214	11.213	0.001	552011	10.4	
79 Pentachloronitrobenzene	237	11.277	11.275	0.002	460067	11.5	
80 Phenanthrene	178	11.354	11.352	0.002	5363342	8.89	
81 Anthracene	178	11.392	11.391	0.001	5446285	9.76	
83 Carbazole	167	11.512	11.511	0.001	4560138	10.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.762	11.761	0.001	6183016	9.09	
85 Pyrene	202	12.407	12.405	0.002	5574419	8.87	
86 Benzidine	184	12.503	12.497	0.006	2799026	9.89	
87 Fluoranthene	202	12.657	12.655	0.002	5901253	10.7	
89 Butyl benzyl phthalate	149	13.388	13.386	0.002	3213152	9.83	
91 3,3'-Dichlorobenzidine	252	14.373	14.367	0.006	2734831	10.6	
92 Bis(2-ethylhexyl) phthalate	149	14.393	14.391	0.002	4561943	10.5	
93 Benzo[a]anthracene	228	14.441	14.435	0.006	3863628	10.9	
94 Chrysene	228	14.532	14.526	0.006	3431991	10.4	
95 Di-n-octyl phthalate	149	15.633	15.632	0.001	6515295	10.2	
97 Benzo[b]fluoranthene	252	16.331	16.325	0.007	3042191	11.2	
98 Benzo[k]fluoranthene	252	16.364	16.358	0.006	2707688	10.9	
99 Benzo[a]pyrene	252	16.840	16.834	0.006	2154097	10.5	
100 Indeno[1,2,3-cd]pyrene	276	18.947	18.945	0.002	1709137	10.3	
101 Dibenz(a,h)anthracene	278	18.956	18.947	0.009	1417750	10.4	
102 Benzo[g,h,i]perylene	276	19.548	19.537	0.011	1412874	10.3	

Report Date: 14-Sep-2009 12:12:35 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090911-2.b\B10191.D

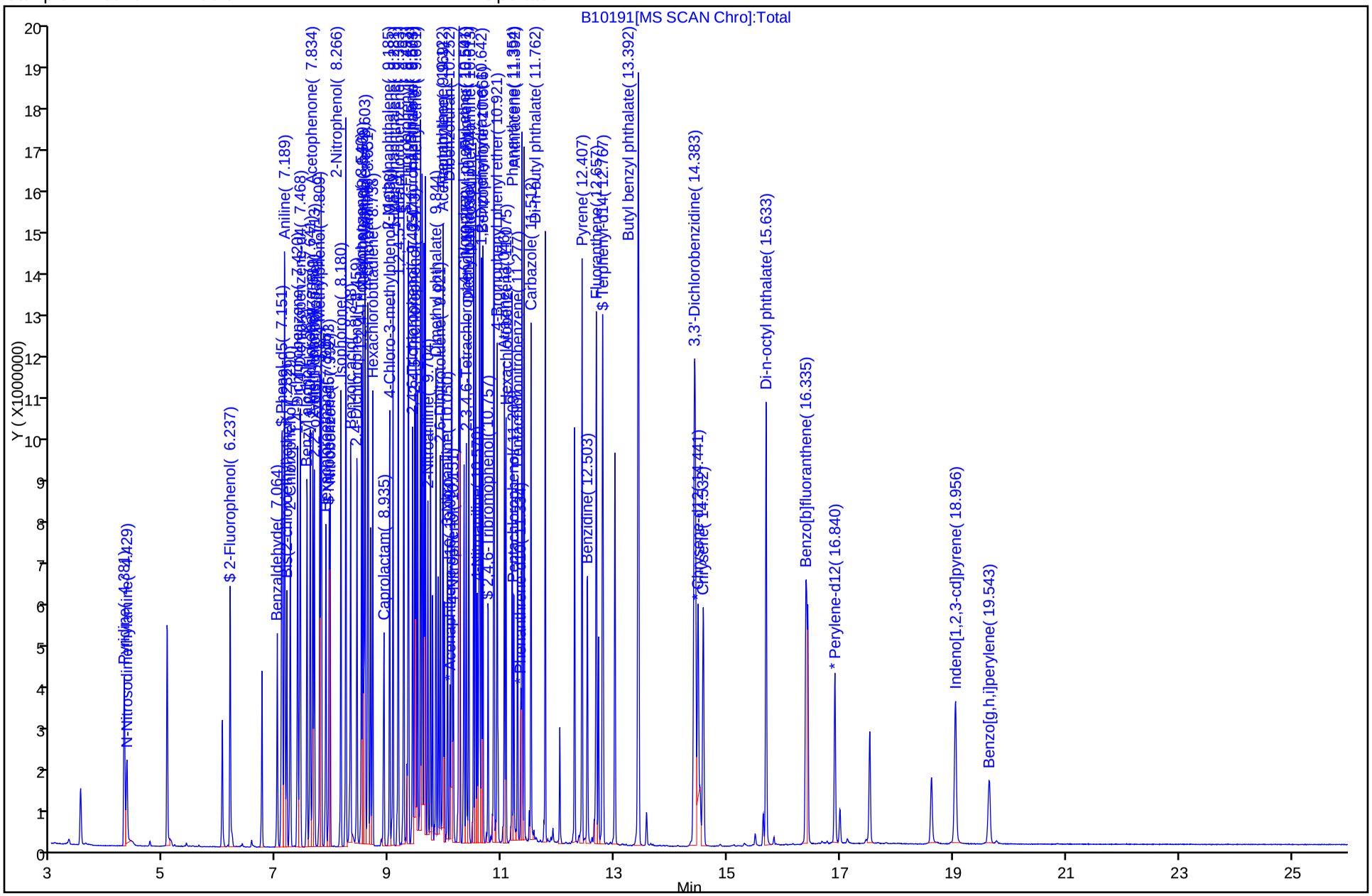
Inj Date: 11-Sep-2009 15:14:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48839 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: STD10

Sample Amount: 2.00 uL Operator: MZ



Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10191.D		
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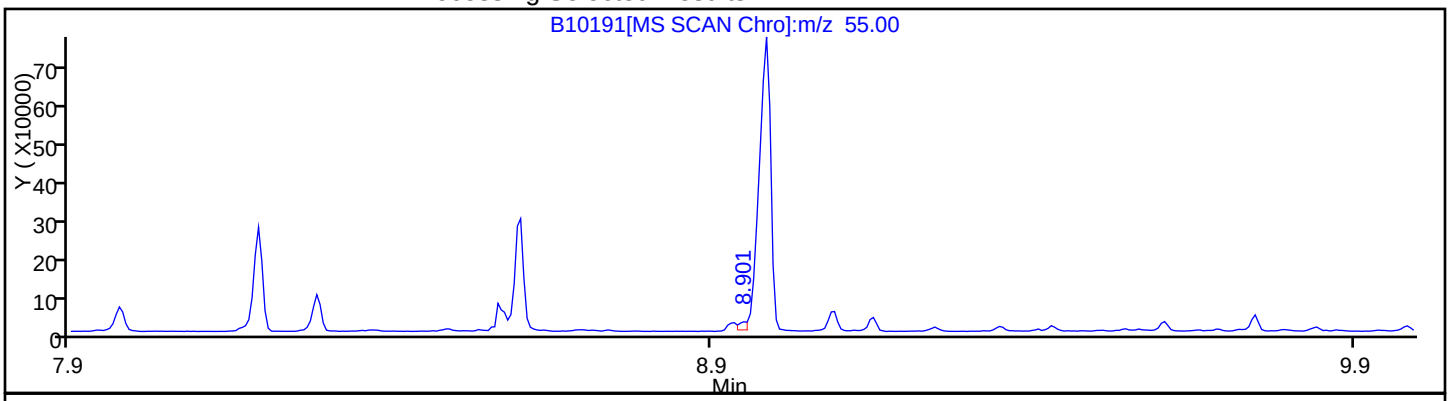
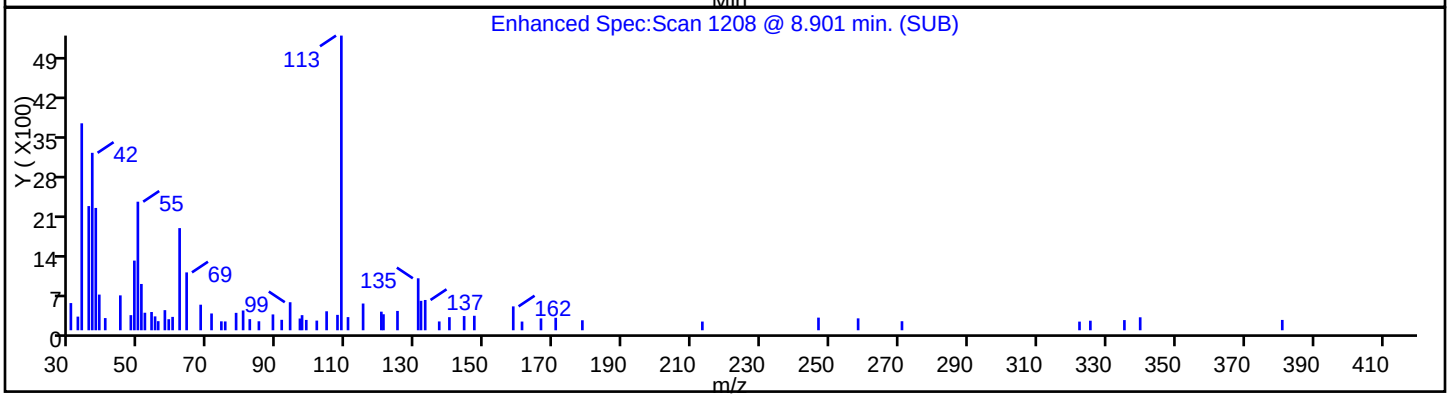
Lims Batch ID:	48839	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	STD10		
Sample Amount:	2.00 uL	Operator:	MZ

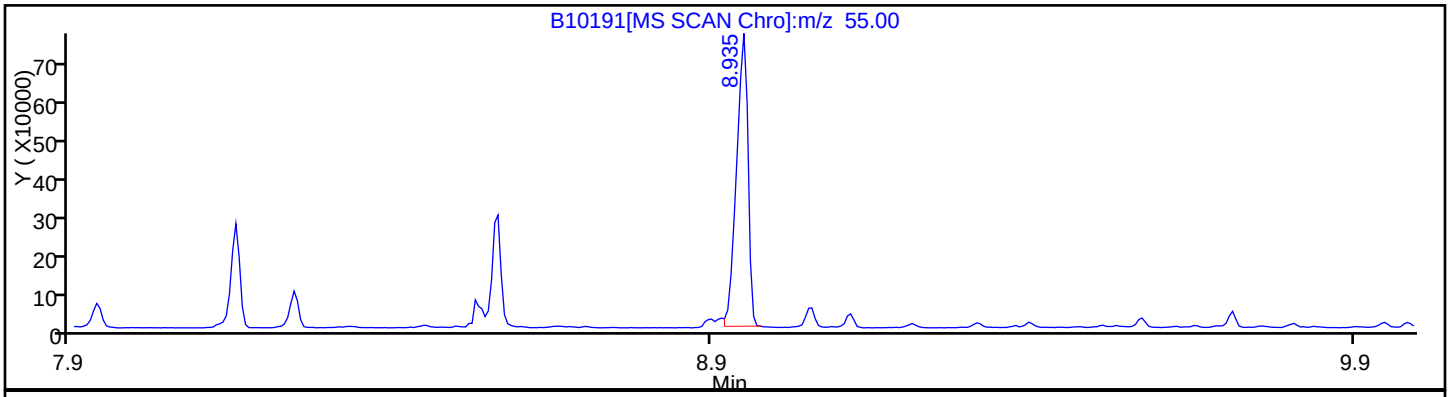
44 Caprolactam

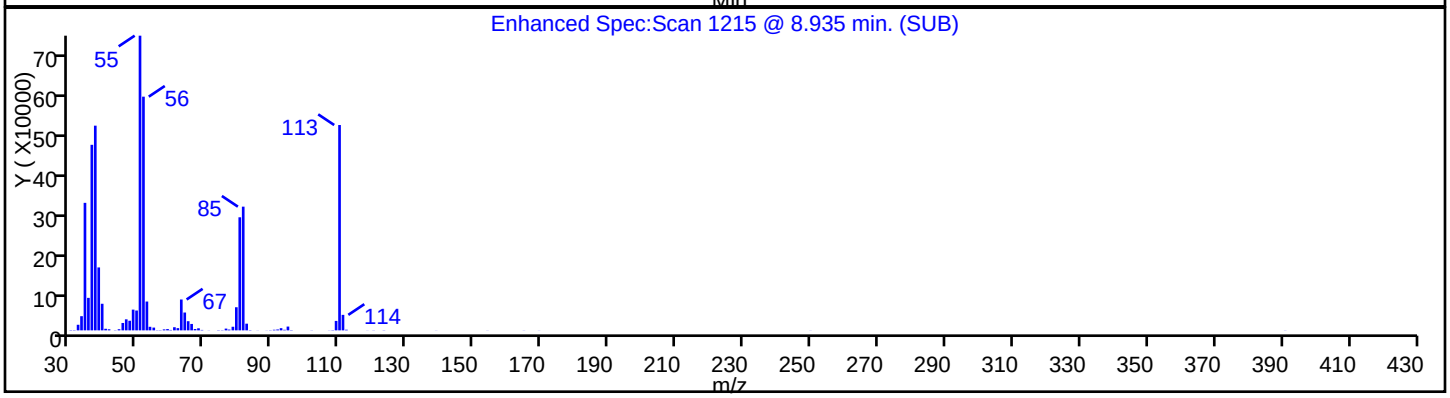
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 14-Sep-2009 12:12:33
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10192.D		
Lims ID:	STD20	Client ID:	
Inject. Date:	11-Sep-2009 15:48:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	STD20		
Misc. Info.:	360-0001138-010		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	10
Lims Batch ID:	48839	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\8270B.m		
Last Update:	14-Sep-2009 12:20:32	Calib Date:	11-Sep-2009 15:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10192.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By: sullivanp Date: 14-Sep-2009 12:20:32

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.469	7.469	0.000	1047572	2.00	M
* 2 Naphthalene-d8	136	8.575	8.575	0.000	1493981	2.00	M
* 3 Acenaphthene-d10	164	10.095	10.092	0.003	641668	2.00	
* 4 Phenanthrene-d10	188	11.335	11.333	0.002	1058141	2.00	
* 5 Chrysene-d12	240	14.485	14.473	0.012	757593	2.00	
* 6 Perylene-d12	264	16.933	16.926	0.007	425145	2.00	
$ 7 2-Fluorophenol	112	6.238	6.236	0.002	3661498	12.9	
$ 8 Phenol-d5	99	7.147	7.140	0.007	4403713	12.7	
$ 9 Nitrobenzene-d5	82	7.979	7.972	0.007	4031166	19.2	
$ 10 2-Fluorobiphenyl	172	9.498	9.491	0.007	7020794	17.1	
$ 11 2,4,6-Tribromophenol	330	10.763	10.756	0.007	850821	21.1	
$ 12 Terphenyl-d14	244	12.768	12.766	0.002	6204747	16.7	
14 1,4-Dioxane	88	3.598	3.610	-0.012	1284394	20.1	
16 Pyridine	79	4.372	4.379	-0.007	3393963	12.6	
15 N-Nitrosodimethylamine	42	4.430	4.423	0.007	2218475	11.8	
17 Benzaldehyde	105	7.065	7.063	0.002	1751540	11.9	
18 Phenol	94	7.161	7.149	0.012	4470264	12.6	
19 Aniline	93	7.195	7.188	0.007	5256753	13.0	
20 Bis(2-chloroethyl)ether	93	7.238	7.226	0.012	3357554	11.4	
21 2-Chlorophenol	128	7.296	7.289	0.007	3975297	12.5	
22 1,4-Dichlorobenzene	146	7.421	7.419	0.002	4494647	11.6	
23 1,3-Dichlorobenzene	146	7.469	7.467	0.002	4578276	11.4	
24 Benzyl alcohol	79	7.589	7.582	0.007	3230332	13.3	
25 1,2-Dichlorobenzene	146	7.642	7.640	0.002	4202989	11.3	
26 2-Methylphenol	108	7.690	7.683	0.007	3579314	13.1	
27 2,2'-oxybis[1-chloropropane]	45	7.714	7.712	0.002	5692512	10.8	
28 3 & 4 Methylphenol	108	7.815	7.808	0.007	3661184	12.8	
30 Acetophenone	105	7.835	7.827	0.008	4864879	11.4	
29 N-Nitrosodi-n-propylamine	70	7.849	7.832	0.017	2643546	12.6	
31 Hexachloroethane	117	7.916	7.914	0.002	1749932	12.6	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	7.993	7.986	0.007	3929087	19.0	
33 Isophorone	82	8.186	8.174	0.012	6339624	18.7	
34 2-Nitrophenol	139	8.272	8.265	0.007	2229624	20.7	
35 2,4-Dimethylphenol	107	8.272	8.265	0.007	3206300	19.1	
36 Benzoic acid	105	8.378	8.326	0.052	1991189	19.9	
37 Bis(2-chloroethoxy)methane	93	8.354	8.347	0.007	3849133	18.0	
38 2,4-Dichlorophenol	162	8.465	8.457	0.007	3219499	20.4	
39 1,2,4-Trichlorobenzene	180	8.546	8.539	0.007	3427827	17.7	
40 Alpha-Terpineol	59	8.570	8.563	0.007	3117707	19.1	
41 Naphthalene	128	8.609	8.602	0.007	8353905	14.2	
42 4-Chloroaniline	127	8.657	8.650	0.007	4462642	19.4	
43 Hexachlorobutadiene	225	8.739	8.736	0.003	1803510	18.7	
44 Caprolactam	55	8.955	8.914	0.041	1694177	19.3	
45 4-Chloro-3-methylphenol	107	9.042	9.030	0.012	3231752	20.8	
46 2-Methylnaphthalene	142	9.186	9.183	0.003	6504050	16.4	
47 1-Methylnaphthalene	142	9.287	9.280	0.007	6519729	16.4	
49 1,2,4,5-Tetrachlorobenzene	216	9.364	9.361	0.003	3024839	17.7	
48 Hexachlorocyclopentadiene	237	9.369	9.366	0.003	1236939	20.2	
50 2,4,6-Trichlorophenol	196	9.441	9.433	0.008	2279590	23.2	
51 2,4,5-Trichlorophenol	196	9.479	9.472	0.007	2277875	22.6	
52 1,1'-Biphenyl	154	9.580	9.573	0.007	7064686	15.8	
53 2-Chloronaphthalene	162	9.609	9.602	0.007	7160956	17.7	
54 Phenyl ether	170	9.662	9.660	0.002	4718811	17.5	
55 2-Nitroaniline	65	9.710	9.698	0.012	2151050	21.3	
56 Dimethyl phthalate	163	9.854	9.842	0.012	6764787	17.7	
57 2,6-Dinitrotoluene	165	9.926	9.919	0.007	1946239	21.6	
58 Acenaphthylene	152	9.974	9.967	0.007	8464717	16.5	
59 3-Nitroaniline	138	10.056	10.044	0.012	1943555	22.3	
61 Acenaphthene	153	10.124	10.116	0.008	6220054	17.3	
60 2,4-Dinitrophenol	184	10.138	10.126	0.012	947842	20.4	
62 4-Nitrophenol	109	10.157	10.145	0.012	985277	20.7	
64 Dibenzofuran	168	10.253	10.246	0.007	7603700	16.1	
63 2,4-Dinitrotoluene	165	10.258	10.251	0.007	2477491	20.5	
65 2,3,4,6-Tetrachlorophenol	232	10.383	10.373	0.010	1683999	22.0	
66 Diethyl phthalate	149	10.426	10.419	0.007	6880396	17.3	
67 4-Chlorophenyl phenyl ether	204	10.508	10.506	0.002	3443813	19.1	
69 Fluorene	166	10.542	10.540	0.002	6825826	17.4	
68 4-Nitroaniline	138	10.580	10.564	0.016	1842992	21.2	
70 4,6-Dinitro-2-methylphenol	198	10.609	10.592	0.017	1294512	20.2	
72 N-Nitrosodiphenylamine	169	10.619	10.607	0.012	6022109	17.8	
71 Diphenylamine	169	10.619	10.607	0.012	6022109	17.8	
73 1,2-Diphenylhydrazine	77	10.648	10.641	0.008	6511090	17.1	
74 Azobenzene	77	10.648	10.641	0.008	6511090	17.1	
13 Benzophenone	105	10.672	10.665	0.007	5750542	18.0	
75 4-Bromophenyl phenyl ether	248	10.922	10.919	0.003	1996050	20.3	
77 Atrazine	200	11.056	11.044	0.012	1933621	19.9	
76 Hexachlorobenzene	284	11.076	11.073	0.003	1912268	20.3	
78 Pentachlorophenol	266	11.215	11.213	0.002	1168260	20.7	
79 Pentachloronitrobenzene	237	11.282	11.275	0.007	818153	22.2	
80 Phenanthrene	178	11.359	11.352	0.007	8594501	16.0	
81 Anthracene	178	11.398	11.391	0.007	8162378	16.4	
83 Carbazole	167	11.518	11.511	0.007	7692097	18.8	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.763	11.761	0.002	8616125	20.1	
85 Pyrene	202	12.413	12.405	0.008	8748381	14.5	
86 Benzidine	184	12.509	12.497	0.012	6932893	20.0	
87 Fluoranthene	202	12.663	12.655	0.008	9310111	18.7	
89 Butyl benzyl phthalate	149	13.394	13.386	0.008	5523469	17.3	
91 3,3'-Dichlorobenzidine	252	14.389	14.367	0.022	5409571	20.6	
92 Bis(2-ethylhexyl) phthalate	149	14.399	14.391	0.008	7858426	18.4	
93 Benzo[a]anthracene	228	14.451	14.435	0.016	7667273	21.6	
94 Chrysene	228	14.543	14.526	0.017	6831650	20.6	
95 Di-n-octyl phthalate	149	15.639	15.632	0.007	10743746	20.0	
97 Benzo[b]fluoranthene	252	16.337	16.325	0.012	5876911	22.0	
98 Benzo[k]fluoranthene	252	16.375	16.358	0.017	5429062	22.2	
99 Benzo[a]pyrene	252	16.846	16.834	0.012	4446095	21.2	
100 Indeno[1,2,3-cd]pyrene	276	18.962	18.945	0.017	3511682	20.4	
101 Dibenz(a,h)anthracene	278	18.967	18.947	0.020	2857400	20.3	
102 Benzo[g,h,i]perylene	276	19.554	19.537	0.017	2788886	21.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Sep-2009 12:20:33 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090911-2.b\B10192.D

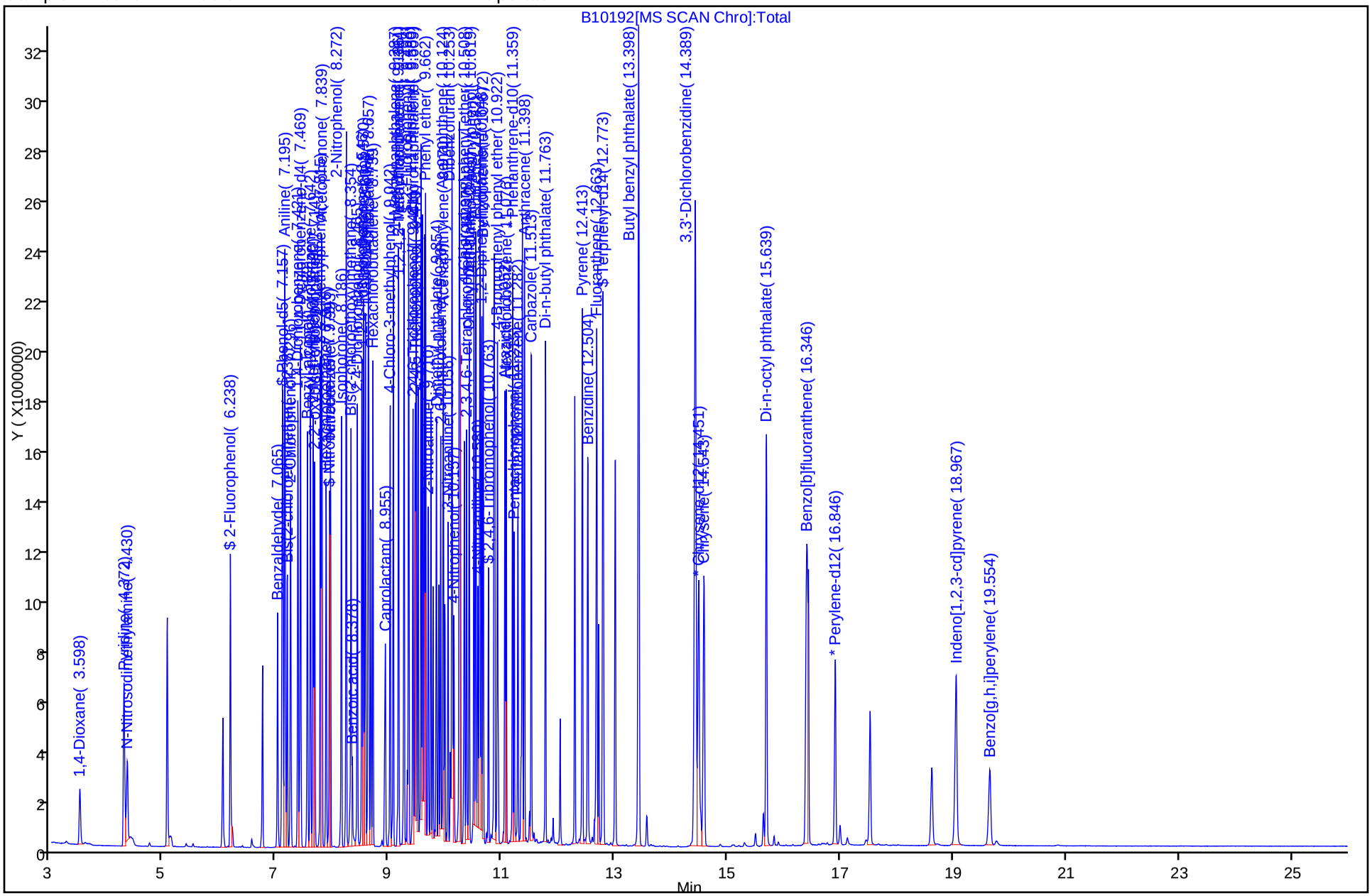
Inj Date: 11-Sep-2009 15:48:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48839 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: STD20

Sample Amount: 2.00 uL Operator: MZ

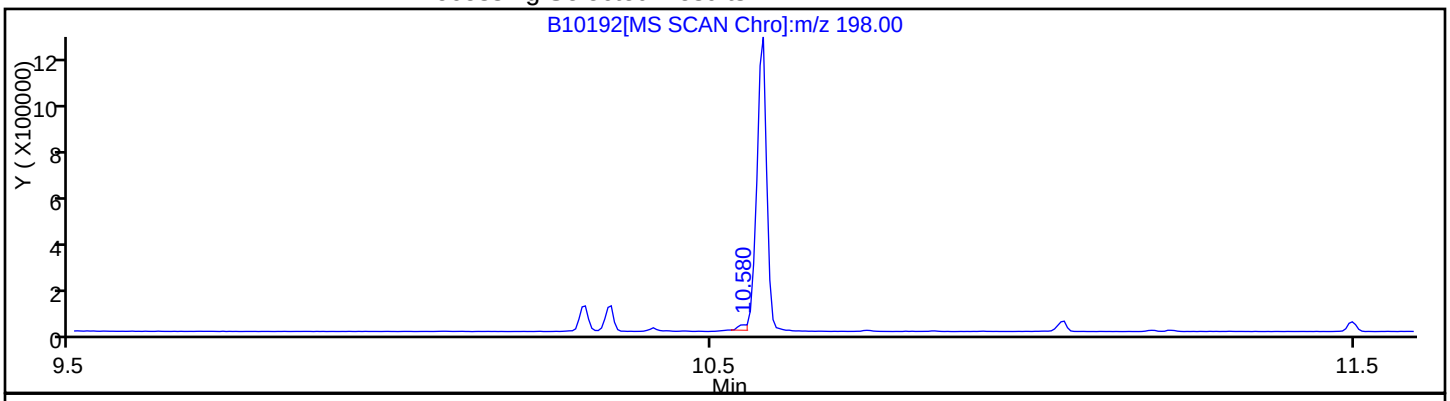


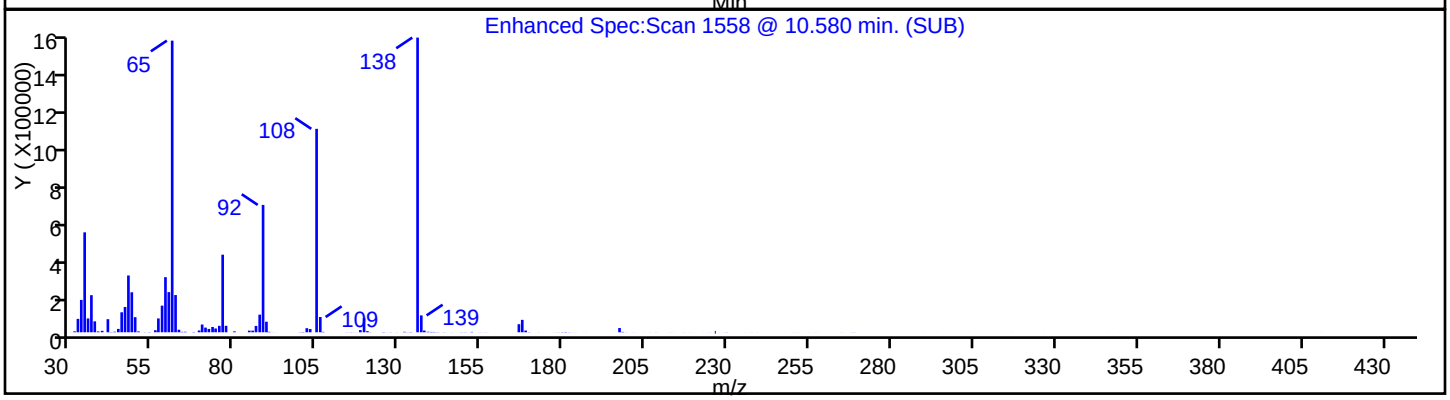
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10192.D		
Inj Date:	11-Sep-2009 15:48:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	STD20		
Sample Amount:	2.00 uL	Operator:	MZ

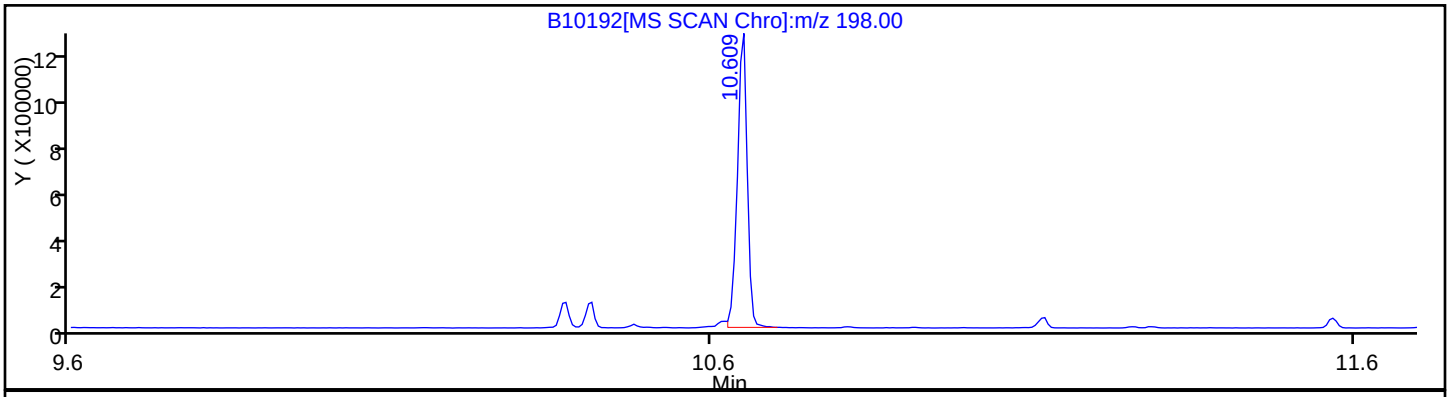
70 4,6-Dinitro-2-methylphenol

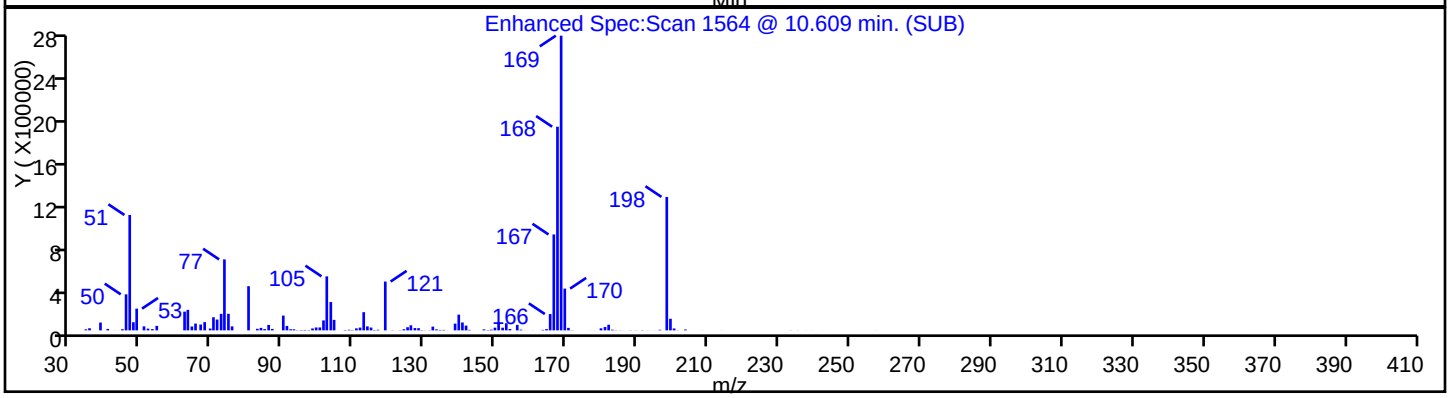
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 14-Sep-2009 12:20:32
Audit Action: Selected Alternate Hit
Audit Reason:

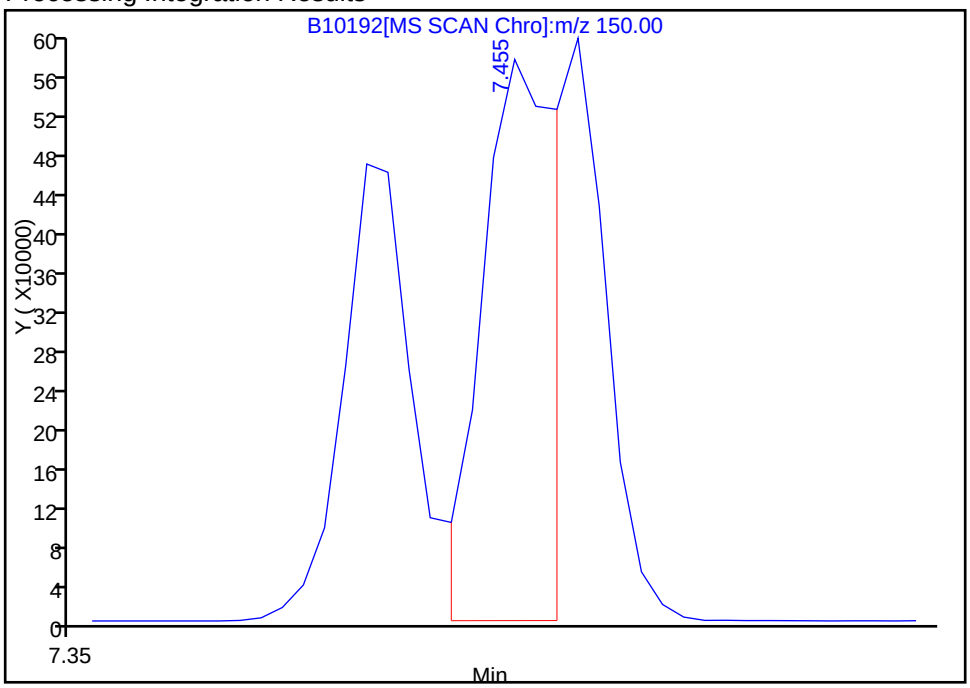
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10192.D		
Inj Date:	11-Sep-2009 15:48:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	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: 7.47

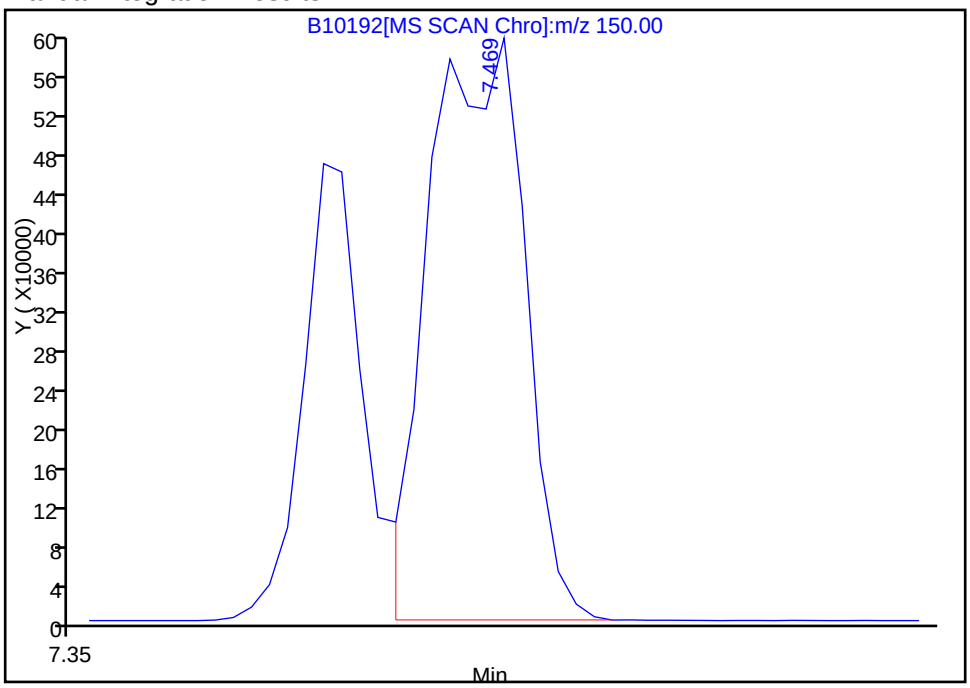
Processing Integration Results

RT: 7.45
Response: 690700
Amount: 2.000000



Manual Integration Results

RT: 7.47
Response: 1047572
Amount: 2.000000



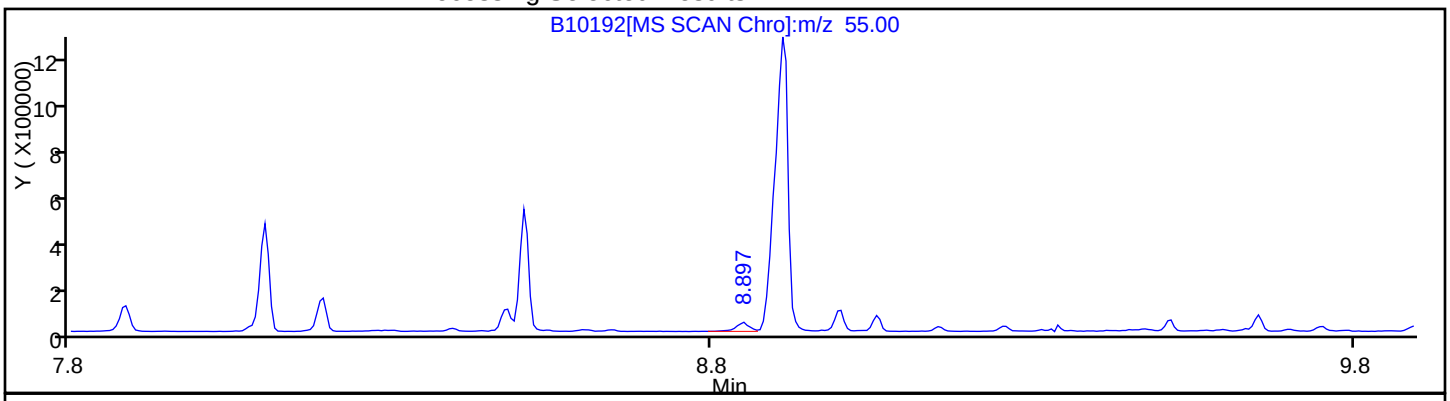
Reviewer: sullivanp, 14-Sep-2009 12:20:32
Audit Action: Manually Integrated
Audit Reason: Split Peak

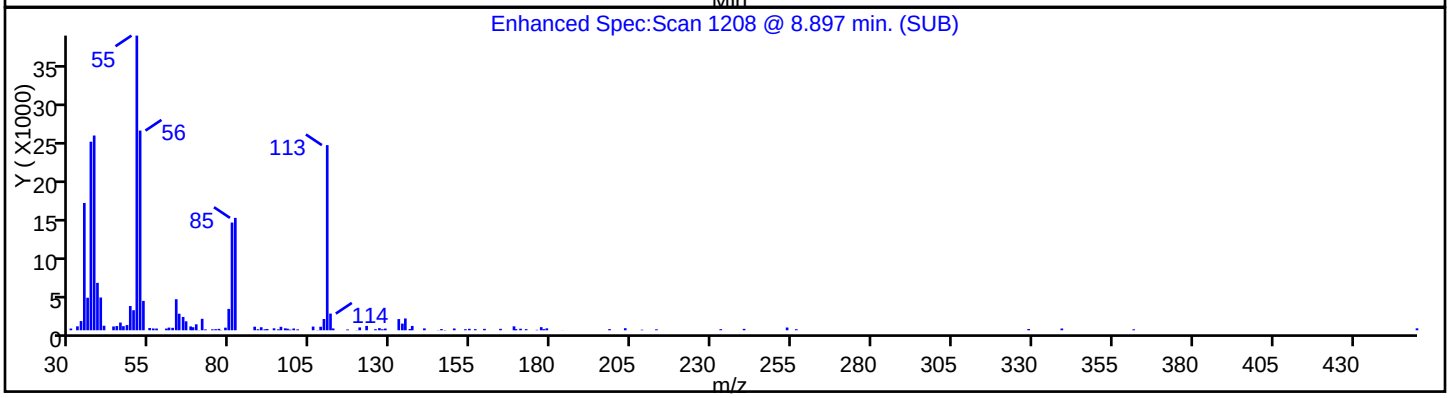
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10192.D		
Inj Date:	11-Sep-2009 15:48:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	STD20		
Sample Amount:	2.00 uL	Operator:	MZ

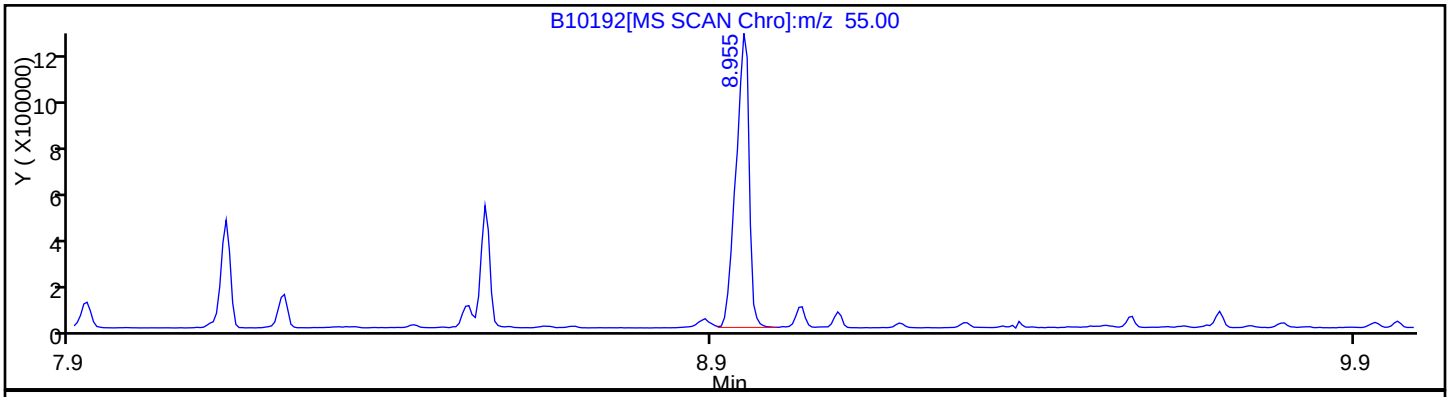
44 Caprolactam

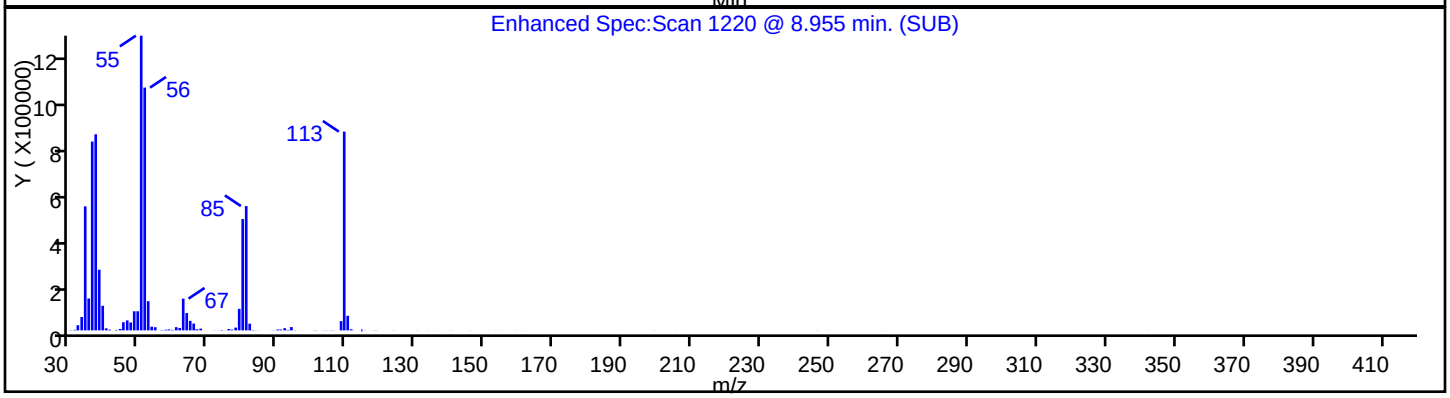
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 14-Sep-2009 12:20:32
Audit Action: Selected Alternate Hit
Audit Reason:

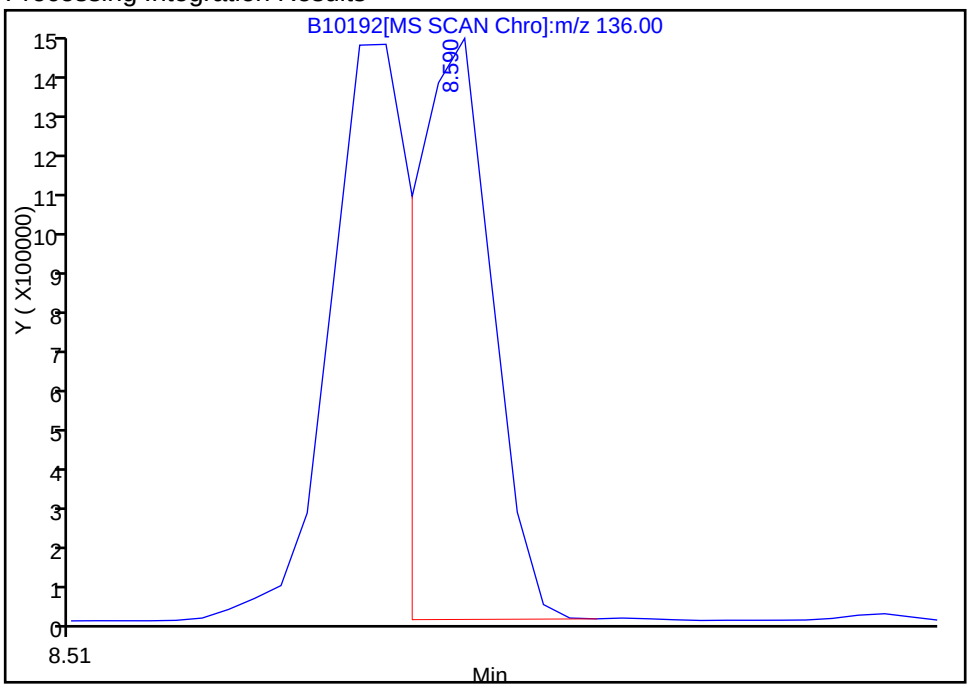
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10192.D		
Inj Date:	11-Sep-2009 15:48:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	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: 8.58

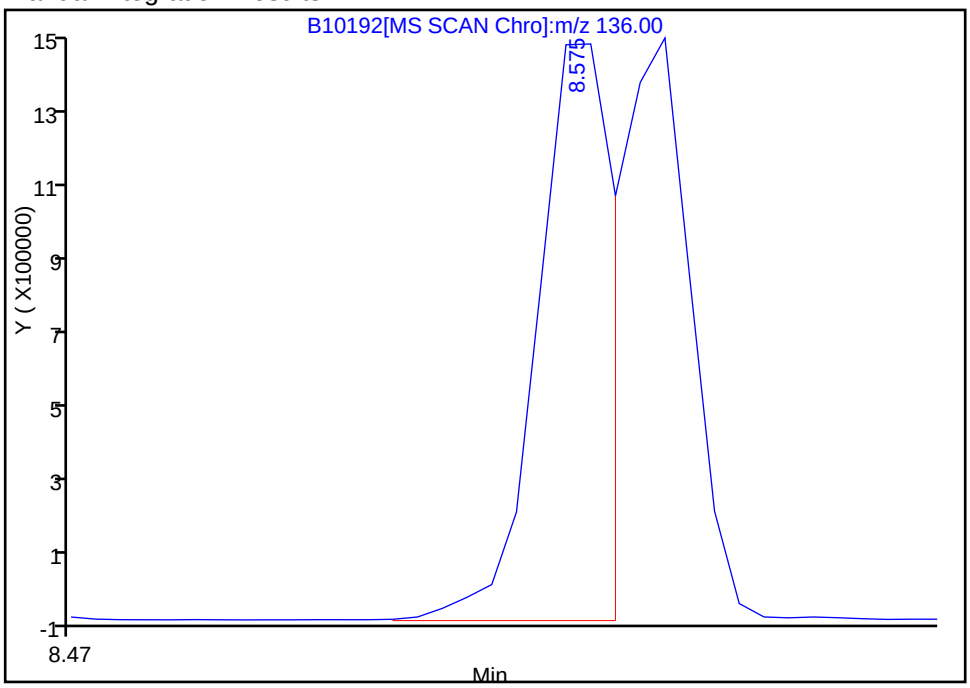
Processing Integration Results

RT: 8.59
Response: 1423915
Amount: 2.000000



Manual Integration Results

RT: 8.58
Response: 1493981
Amount: 2.000000



Reviewer: sullivanp, 14-Sep-2009 12:20:32
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

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	

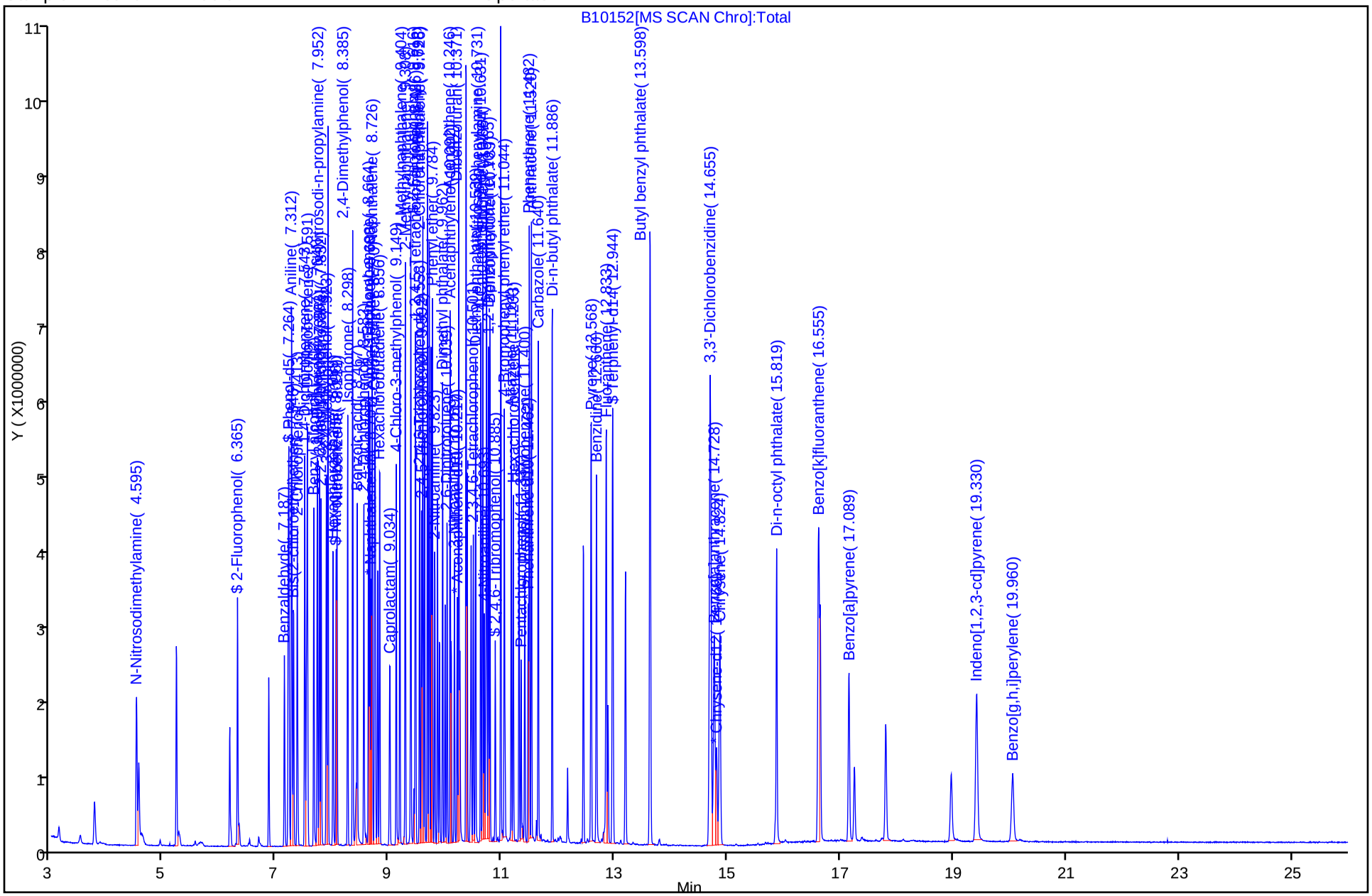
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.886	11.884	0.002	3181698	4.80	
85 Pyrene	202	12.568	12.567	0.001	2541344	5.09	
86 Benzidine	184	12.660	12.671	-0.011	2047987	4.53	
87 Fluoranthene	202	12.833	12.826	0.007	2722129	5.14	
89 Butyl benzyl phthalate	149	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



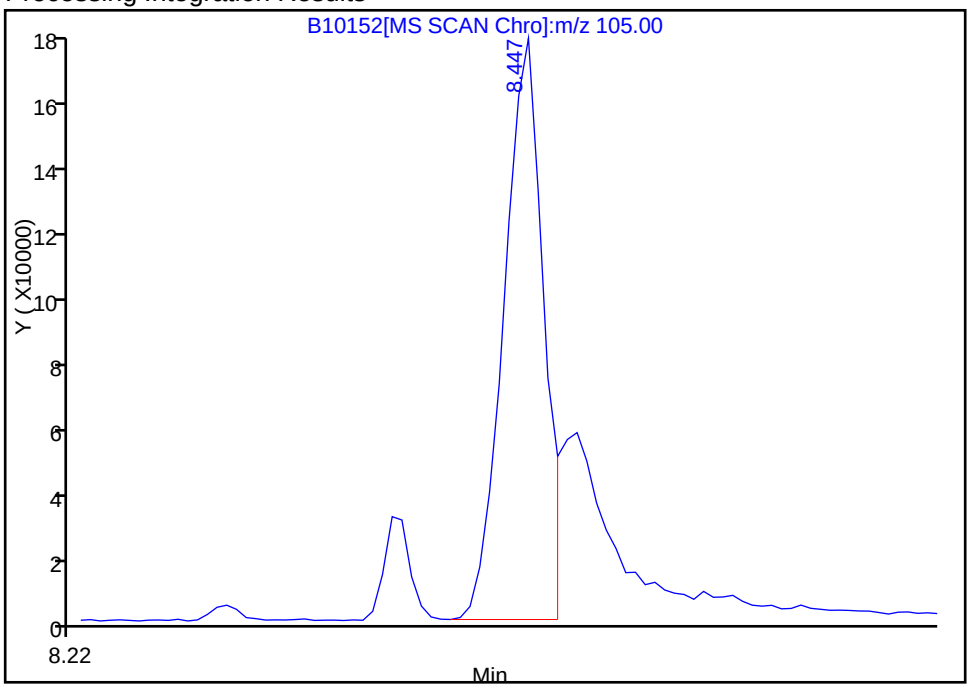
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

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

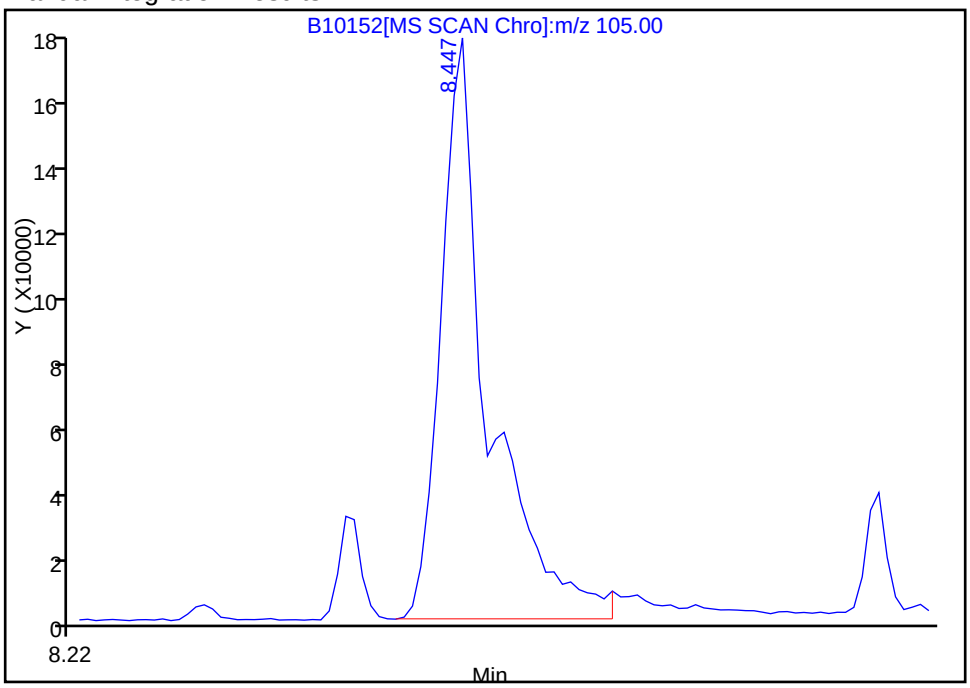
Processing Integration Results

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

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Lab Sample ID: CCV 360-48845/2 Calibration Date: 09/11/2009 17:30

Instrument ID: Inst. B Calib Start Date: 09/11/2009 11:16

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/11/2009 15:48

Lab File ID: B10195.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Qua		0.1943		5240	5000	4.8	30.0
Pyridine	Ave	0.5157	0.5052		4900	5000	-2.0	30.0
N-Nitrosodimethylamine	Ave	0.3597	0.3383		4700	5000	-6.0	30.0
Benzaldehyde	Ave	0.2805	0.2577		4590	5000	-8.1	30.0
Phenol	Ave	0.6800	0.6455		4750	5000	-5.1	20.0
Aniline	Ave	0.7729	0.7819		5060	5000	1.2	30.0
Bis(2-chloroethyl)ether	Ave	0.5608	0.5122		4570	5000	-8.7	30.0
2-Chlorophenol	Ave	0.6088	0.5855		4810	5000	-3.8	30.0
1,4-Dichlorobenzene	Ave	0.7400	0.6733		4550	5000	-9.0	20.0
1,3-Dichlorobenzene	Ave	0.7668	0.7002		4570	5000	-8.7	30.0
Benzyl alcohol	Lin2		0.4371		4740	5000	-5.1	30.0
1,2-Dichlorobenzene	Ave	0.7074	0.6363		4500	5000	-10.1	30.0
2-Methylphenol	Ave	0.5231	0.5073		4850	5000	-3.0	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.011	0.9371		4640	5000	-7.3	30.0
3 & 4 Methylphenol	Ave	0.5473	0.5310		4850	5000	-3.0	30.0
Acetophenone	Ave	0.8119	0.7631		4700	5000	-6.0	30.0
N-Nitrosodi-n-propylamine	Ave	0.4012	0.3968	0.0500	4950	5000	-1.1	30.0
Hexachloroethane	Ave	0.2649	0.2519		4760	5000	-4.9	30.0
Nitrobenzene	Ave	0.2763	0.2438		4410	5000	-11.8	30.0
Isophorone	Ave	0.4537	0.4222		4650	5000	-7.0	30.0
2,4-Dimethylphenol	Ave	0.2251	0.1988		4420	5000	-11.7	30.0
2-Nitrophenol	Ave	0.1444	0.1345		4660	5000	-6.9	20.0
Benzoic acid	Qua		0.0308		3770	5000	-24.6	30.0
Bis(2-chloroethoxy)methane	Ave	0.2866	0.2547		4440	5000	-11.2	30.0
2,4-Dichlorophenol	Ave	0.2108	0.1955		4640	5000	-7.3	20.0
1,2,4-Trichlorobenzene	Ave	0.2594	0.2273		4380	5000	-12.4	30.0
Alpha-Terpineol	Ave	0.2182	0.1975		4530	5000	-9.5	30.0
Naphthalene	Ave	0.7890	0.6978		4420	5000	-11.6	30.0
4-Chloroaniline	Ave	0.3076	0.2914		4740	5000	-5.3	30.0
Hexachlorobutadiene	Ave	0.1289	0.1119		4340	5000	-13.2	20.0
Caprolactam	Lin1		0.1049		4510	5000	-9.9	30.0
4-Chloro-3-methylphenol	Ave	0.2080	0.1921		4620	5000	-7.7	20.0
2-Methylnaphthalene	Ave	0.5301	0.4697		4430	5000	-11.4	30.0
1-Methylnaphthalene	Ave	0.5336	0.4698		4400	5000	-12.0	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2289	0.2003		4380	5000	-12.5	30.0
Hexachlorocyclopentadiene	Lin1		0.2028	0.0500	5380	5000	7.7	30.0
2,4,6-Trichlorophenol	Ave	0.3064	0.3412		5570	5000	11.3	20.0
2,4,5-Trichlorophenol	Ave	0.3139	0.3606		5740	5000	14.9	30.0
1,1'-Biphenyl	Ave	1.397	1.484		5310	5000	6.2	30.0
2-Chloronaphthalene	Ave	1.263	1.334		5280	5000	5.6	30.0
Phenyl ether	Ave	0.3602	0.3082		4280	5000	-14.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Lab Sample ID: CCV 360-48845/2 Calibration Date: 09/11/2009 17:30

Instrument ID: Inst. B Calib Start Date: 09/11/2009 11:16

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/11/2009 15:48

Lab File ID: B10195.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Lin2		0.3367		5390	5000	7.7	30.0
Dimethyl phthalate	Ave	1.191	1.270		5330	5000	6.6	30.0
2,6-Dinitrotoluene	Ave	0.2804	0.3102		5530	5000	10.7	30.0
Acenaphthylene	Ave	1.604	1.767		5510	5000	10.2	30.0
3-Nitroaniline	Ave	0.2719	0.3044		5600	5000	11.9	30.0
Acenaphthene	Ave	1.123	1.181		5260	5000	5.2	20.0
2,4-Dinitrophenol	Lin		0.0822	0.0500	4510	5000	-9.9	30.0
4-Nitrophenol	Lin1		0.1363	0.0500	4770	5000	-4.6	30.0
2,4-Dinitrotoluene	Lin2		0.4018		5380	5000	7.6	30.0
Dibenzofuran	Ave	1.468	1.548		5270	5000	5.5	30.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2551		5390	5000	7.7	30.0
Diethyl phthalate	Ave	1.239	1.319		5320	5000	6.4	30.0
4-Chlorophenyl phenyl ether	Ave	0.5633	0.6008		5330	5000	6.7	30.0
Fluorene	Ave	1.224	1.327		5420	5000	8.4	30.0
4-Nitroaniline	Lin1		0.2476		4650	5000	-7.1	30.0
4,6-Dinitro-2-methylphenol	Lin		0.1002		4770	5000	-4.7	30.0
Diphenylamine	Ave	0.6385	0.6791		5320	5000	6.3	30.0
N-Nitrosodiphenylamine	Ave	0.6385	0.6791		5320	5000	6.3	20.0
1,2-Diphenylhydrazine	Ave	0.7199	0.7593		5270	5000	5.5	30.0
Azobenzene	Ave	0.7199	0.7593		5270	5000	5.5	30.0
Benzophenone	Ave	0.6052	0.6256		5170	5000	3.4	30.0
4-Bromophenyl phenyl ether	Ave	0.1855	0.1903		5130	5000	2.6	30.0
Atrazine	Ave	0.1837	0.1966		5350	5000	7.0	30.0
Hexachlorobenzene	Ave	0.1782	0.1796		5040	5000	0.8	30.0
Pentachlorophenol	Lin		0.0792		4500	5000	-10.0	20.0
Pentachloronitrobenzene	Ave	0.0696	0.0775		5560	5000	11.3	30.0
Phenanthrene	Ave	1.013	1.065		5260	5000	5.2	30.0
Anthracene	Ave	0.9384	1.035		5510	5000	10.3	30.0
Carbazole	Ave	0.7753	0.8199		5290	5000	5.8	30.0
Di-n-butyl phthalate	Qua		1.257		5210	5000	4.1	30.0
Pyrene	Ave	1.596	1.574		4930	5000	-1.4	30.0
Benzidine	Qua		0.3342		4600	5000	-8.0	30.0
Fluoranthene	Ave	0.9411	1.018		5410	5000	8.2	20.0
Butyl benzyl phthalate	Ave	0.8439	0.8743		5180	5000	3.6	30.0
3,3'-Dichlorobenzidine	Lin1		0.6588		4830	5000	-3.4	30.0
Bis(2-ethylhexyl) phthalate	Ave	1.125	1.182		5250	5000	5.1	30.0
Benzo[a]anthracene	Ave	0.9373	0.9873		5270	5000	5.3	30.0
Chrysene	Ave	0.8734	0.8923		5110	5000	2.2	30.0
Di-n-octyl phthalate	Qua		3.117		5170	5000	3.3	20.0
Benzo[b]fluoranthene	Ave	1.257	1.327		5280	5000	5.6	30.0
Benzo[k]fluoranthene	Ave	1.149	1.214		5280	5000	5.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Lab Sample ID: CCV 360-48845/2 Calibration Date: 09/11/2009 17:30

Instrument ID: Inst. B Calib Start Date: 09/11/2009 11:16

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/11/2009 15:48

Lab File ID: B10195.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Lin1		0.9070		4660	5000	-6.8	20.0
Indeno[1,2,3-cd]pyrene	Lin		0.6475		4360	5000	-12.8	30.0
Dibenz(a,h)anthracene	Lin		0.5050		4180	5000	-16.4	30.0
Benzo[g,h,i]perylene	Lin1		0.5390		4360	5000	-12.7	30.0
2-Fluorophenol	Ave	0.5403	0.5311		4910	5000	-1.7	30.0
Phenol-d5	Ave	0.6638	0.6360		4790	5000	-4.2	30.0
Nitrobenzene-d5	Ave	0.2810	0.2501		4450	5000	-11.0	30.0
2-Fluorobiphenyl	Ave	1.283	1.348		5250	5000	5.0	30.0
2,4,6-Tribromophenol	Lin1		0.0727		4840	5000	-3.2	30.0
Terphenyl-d14	Ave	0.9824	0.9600		4890	5000	-2.3	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10195.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	11-Sep-2009 17:30:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCV		
Misc. Info.:	360-0001141-002		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	48845	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\8270B.m		
Last Update:	14-Sep-2009 12:51:22	Calib Date:	11-Sep-2009 15:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10192.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	14-Sep-2009 12:27:00
Reviewed By:	sullivanp	Date:	14-Sep-2009 12:51:21

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.450	7.450	0.000	700792	2.00	
* 2 Naphthalene-d8	136	8.585	8.585	0.000	1668810	2.00	
* 3 Acenaphthene-d10	164	10.090	10.090	0.000	646280	2.00	
* 4 Phenanthrene-d10	188	11.331	11.331	0.000	1075108	2.00	
* 5 Chrysene-d12	240	14.471	14.471	0.000	671299	2.00	
* 6 Perylene-d12	264	16.923	16.923	0.000	374750	2.00	
$ 7 2-Fluorophenol	112	6.238	6.238	0.000	930400	4.91	
$ 8 Phenol-d5	99	7.137	7.137	0.000	1114226	4.79	
$ 9 Nitrobenzene-d5	82	7.969	7.969	0.000	1043552	4.45	
$ 10 2-Fluorobiphenyl	172	9.494	9.494	0.000	2177814	5.25	
$ 11 2,4,6-Tribromophenol	330	10.758	10.758	0.000	195362	4.84	
$ 12 Terphenyl-d14	244	12.764	12.764	0.000	1611187	4.89	
14 1,4-Dioxane	88	3.603	3.603	0.000	340338	5.24	
16 Pyridine	79	4.372	4.372	0.000	885035	4.90	
15 N-Nitrosodimethylamine	42	4.420	4.420	0.000	592703	4.70	
17 Benzaldehyde	105	7.060	7.060	0.000	451442	4.59	
18 Phenol	94	7.147	7.147	0.000	1130921	4.75	
19 Aniline	93	7.190	7.190	0.000	1369840	5.06	
20 Bis(2-chloroethyl)ether	93	7.229	7.229	0.000	897272	4.57	
21 2-Chlorophenol	128	7.291	7.291	0.000	1025754	4.81	
22 1,4-Dichlorobenzene	146	7.421	7.421	0.000	1179585	4.55	
23 1,3-Dichlorobenzene	146	7.464	7.464	0.000	1226714	4.57	
24 Benzyl alcohol	79	7.580	7.580	0.000	765744	4.74	
25 1,2-Dichlorobenzene	146	7.642	7.642	0.000	1114716	4.50	
26 2-Methylphenol	108	7.685	7.685	0.000	888787	4.85	
27 2,2'-oxybis[1-chloropropane]	45	7.709	7.709	0.000	1641749	4.64	
28 3 & 4 Methylphenol	108	7.806	7.806	0.000	930346	4.85	
30 Acetophenone	105	7.830	7.830	0.000	1336880	4.70	
29 N-Nitrosodi-n-propylamine	70	7.835	7.835	0.000	695179	4.95	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	7.916	7.916	0.000	441389	4.76	
32 Nitrobenzene	77	7.988	7.988	0.000	1017283	4.41	
33 Isophorone	82	8.176	8.176	0.000	1761308	4.65	
35 2,4-Dimethylphenol	107	8.262	8.262	0.000	829260	4.42	
34 2-Nitrophenol	139	8.267	8.267	0.000	561156	4.66	
36 Benzoic acid	105	8.325	8.325	0.000	128686	3.77	
37 Bis(2-chloroethoxy)methane	93	8.349	8.349	0.000	1062390	4.44	
38 2,4-Dichlorophenol	162	8.460	8.460	0.000	815783	4.64	
39 1,2,4-Trichlorobenzene	180	8.541	8.541	0.000	948484	4.38	
40 Alpha-Terpineol	59	8.565	8.565	0.000	823968	4.53	
41 Naphthalene	128	8.604	8.604	0.000	2911053	4.42	
42 4-Chloroaniline	127	8.647	8.647	0.000	1215524	4.74	
43 Hexachlorobutadiene	225	8.739	8.739	0.000	466668	4.34	
44 Caprolactam	55	8.912	8.912	0.000	437583	4.51	
45 4-Chloro-3-methylphenol	107	9.032	9.032	0.000	801281	4.62	
46 2-Methylnaphthalene	142	9.181	9.181	0.000	1959505	4.43	
47 1-Methylnaphthalene	142	9.282	9.282	0.000	1959819	4.40	
49 1,2,4,5-Tetrachlorobenzene	216	9.359	9.359	0.000	835825	4.38	
48 Hexachlorocyclopentadiene	237	9.369	9.369	0.000	327613	5.38	
50 2,4,6-Trichlorophenol	196	9.436	9.436	0.000	551256	5.57	
51 2,4,5-Trichlorophenol	196	9.470	9.470	0.000	582609	5.74	
52 1,1'-Biphenyl	154	9.575	9.575	0.000	2397105	5.31	
53 2-Chloronaphthalene	162	9.604	9.604	0.000	2154909	5.28	
54 Phenyl ether	170	9.657	9.657	0.000	1285873	4.28	
55 2-Nitroaniline	65	9.700	9.700	0.000	544057	5.39	
56 Dimethyl phthalate	163	9.840	9.840	0.000	2051303	5.33	
57 2,6-Dinitrotoluene	165	9.917	9.917	0.000	501261	5.53	
58 Acenaphthylene	152	9.965	9.965	0.000	2854340	5.51	
59 3-Nitroaniline	138	10.047	10.047	0.000	491821	5.60	
61 Acenaphthene	153	10.119	10.119	0.000	1907728	5.26	
60 2,4-Dinitrophenol	184	10.128	10.128	0.000	132843	4.51	
62 4-Nitrophenol	109	10.148	10.148	0.000	220231	4.77	
63 2,4-Dinitrotoluene	165	10.249	10.249	0.000	649129	5.38	
64 Dibenzofuran	168	10.249	10.249	0.000	2501109	5.27	
65 2,3,4,6-Tetrachlorophenol	232	10.374	10.374	0.000	412080	5.39	
66 Diethyl phthalate	149	10.422	10.422	0.000	2131030	5.32	
67 4-Chlorophenyl phenyl ether	204	10.508	10.508	0.000	970684	5.33	
69 Fluorene	166	10.537	10.537	0.000	2143534	5.42	
68 4-Nitroaniline	138	10.566	10.566	0.000	399983	4.65	
70 4,6-Dinitro-2-methylphenol	198	10.595	10.595	0.000	269427	4.77	
72 N-Nitrosodiphenylamine	169	10.609	10.609	0.000	1825186	5.32	
71 Diphenylamine	169	10.609	10.609	0.000	1825186	5.32	
73 1,2-Diphenylhydrazine	77	10.638	10.638	0.000	2040685	5.27	
74 Azobenzene	77	10.638	10.638	0.000	2040685	5.27	
13 Benzophenone	105	10.667	10.667	0.000	1681528	5.17	
75 4-Bromophenyl phenyl ether	248	10.917	10.917	0.000	511603	5.13	
77 Atrazine	200	11.042	11.042	0.000	528278	5.35	
76 Hexachlorobenzene	284	11.071	11.071	0.000	482740	5.04	
78 Pentachlorophenol	266	11.210	11.210	0.000	212811	4.50	
79 Pentachloronitrobenzene	237	11.273	11.273	0.000	208193	5.56	
80 Phenanthrene	178	11.350	11.350	0.000	2863012	5.26	
81 Anthracene	178	11.388	11.388	0.000	2781982	5.51	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.508	11.508	0.000	2203823	5.29	
84 Di-n-butyl phthalate	149	11.758	11.758	0.000	3379711	5.21	
85 Pyrene	202	12.403	12.403	0.000	2641185	4.93	
86 Benzidine	184	12.499	12.499	0.000	898148	4.60	
87 Fluoranthene	202	12.653	12.653	0.000	2735702	5.41	
89 Butyl benzyl phthalate	149	13.384	13.384	0.000	1467248	5.18	
91 3,3'-Dichlorobenzidine	252	14.365	14.365	0.000	1105561	4.83	
92 Bis(2-ethylhexyl) phthalate	149	14.389	14.389	0.000	1983581	5.25	
93 Benzo[a]anthracene	228	14.437	14.437	0.000	1656891	5.27	
94 Chrysene	228	14.528	14.528	0.000	1497498	5.11	
95 Di-n-octyl phthalate	149	15.630	15.630	0.000	2920090	5.17	
97 Benzo[b]fluoranthene	252	16.322	16.322	0.000	1243529	5.28	
98 Benzo[k]fluoranthene	252	16.356	16.356	0.000	1137404	5.28	
99 Benzo[a]pyrene	252	16.832	16.832	0.000	849775	4.66	
100 Indeno[1,2,3-cd]pyrene	276	18.943	18.943	0.000	606619	4.36	
101 Dibenz(a,h)anthracene	278	18.948	18.948	0.000	473083	4.18	
102 Benzo[g,h,i]perylene	276	19.534	19.534	0.000	504969	4.36	

Report Date: 14-Sep-2009 12:51:23 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090911-3.b\B10195.D

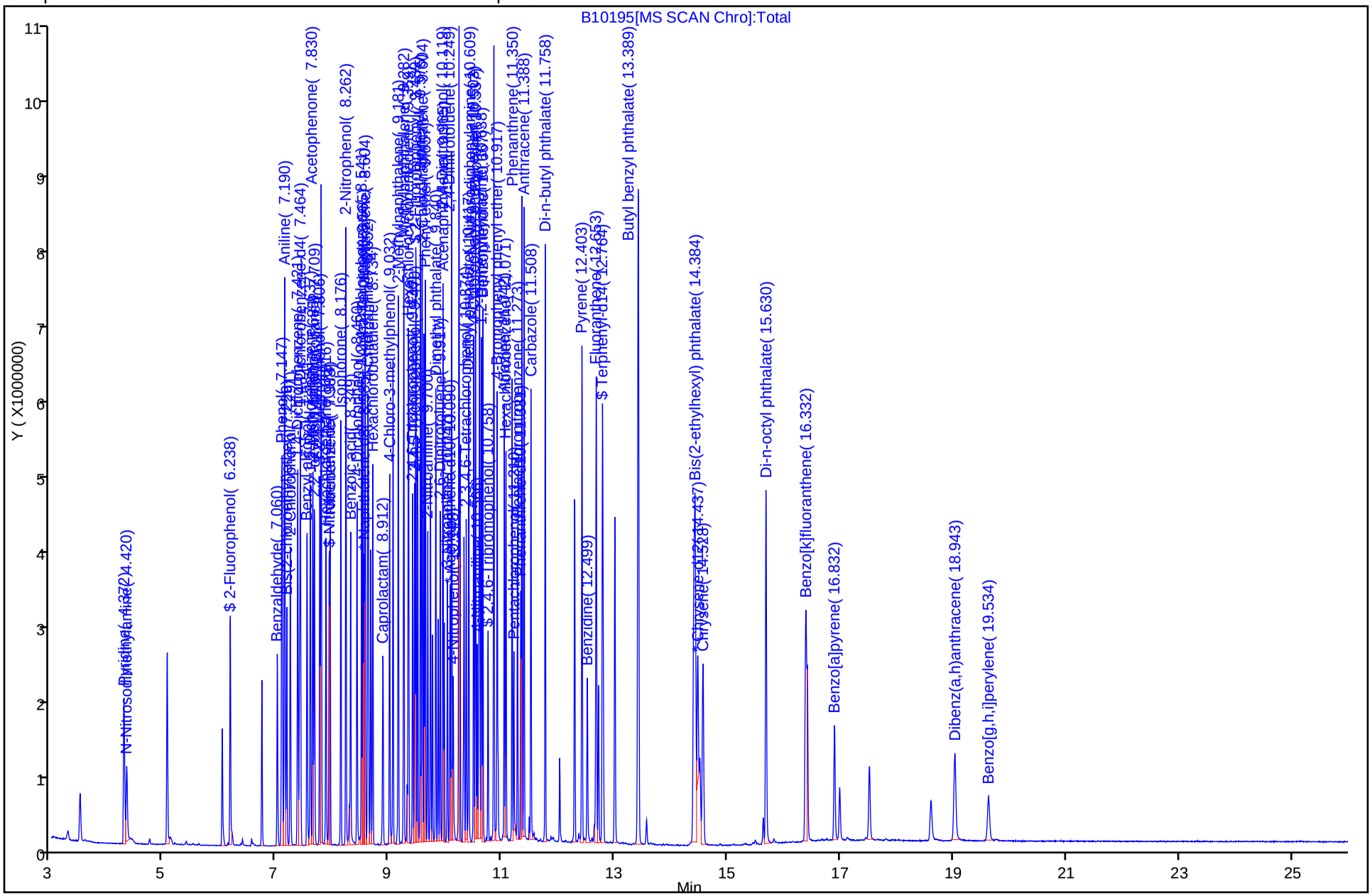
Inj Date: 11-Sep-2009 17:30:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48845 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: CCV

Sample Amount: 1.00 uL Operator: MZ

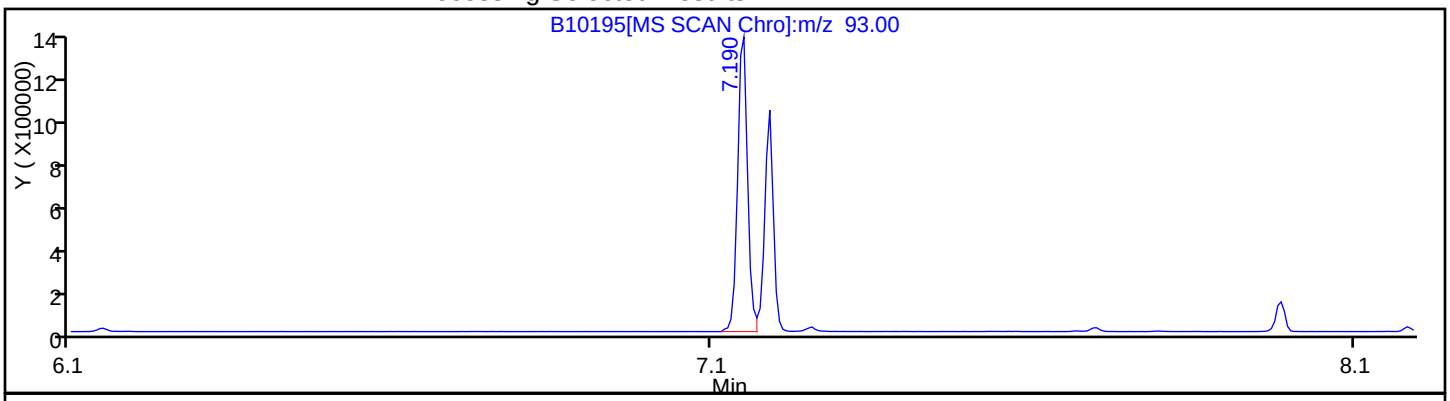


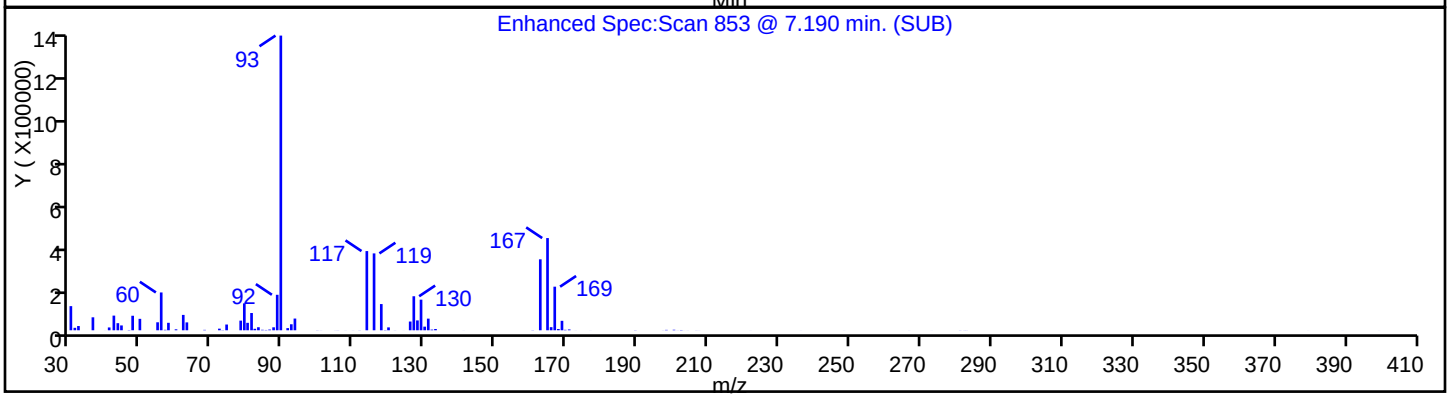
Chrom Revision: 1.0.2009.910
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10195.D		
Inj Date:	11-Sep-2009 17:30:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	2
Client ID:		Instrument:	Inst. B
Sample Info:	CCV		
Sample Amount:	1.00 uL	Operator:	MZ

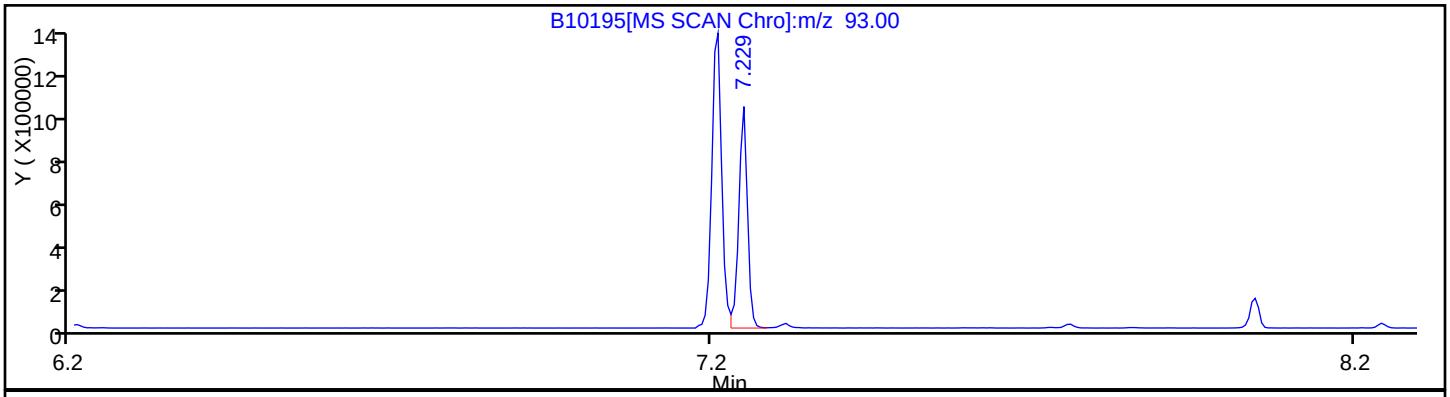
20 Bis(2-chloroethyl)ether

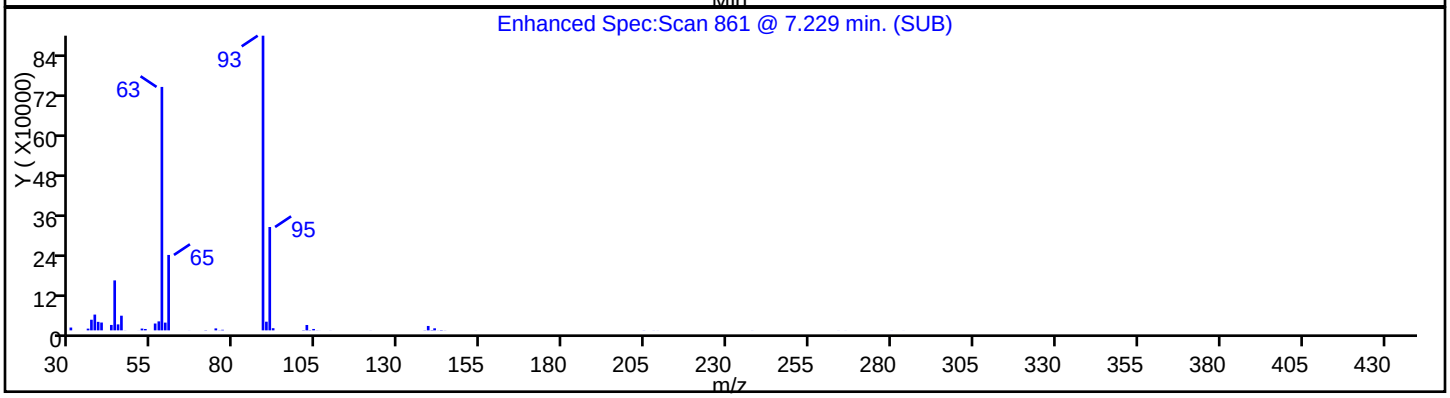
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 14-Sep-2009 12:27:00
Audit Action: Selected Alternate Hit
Audit Reason:

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

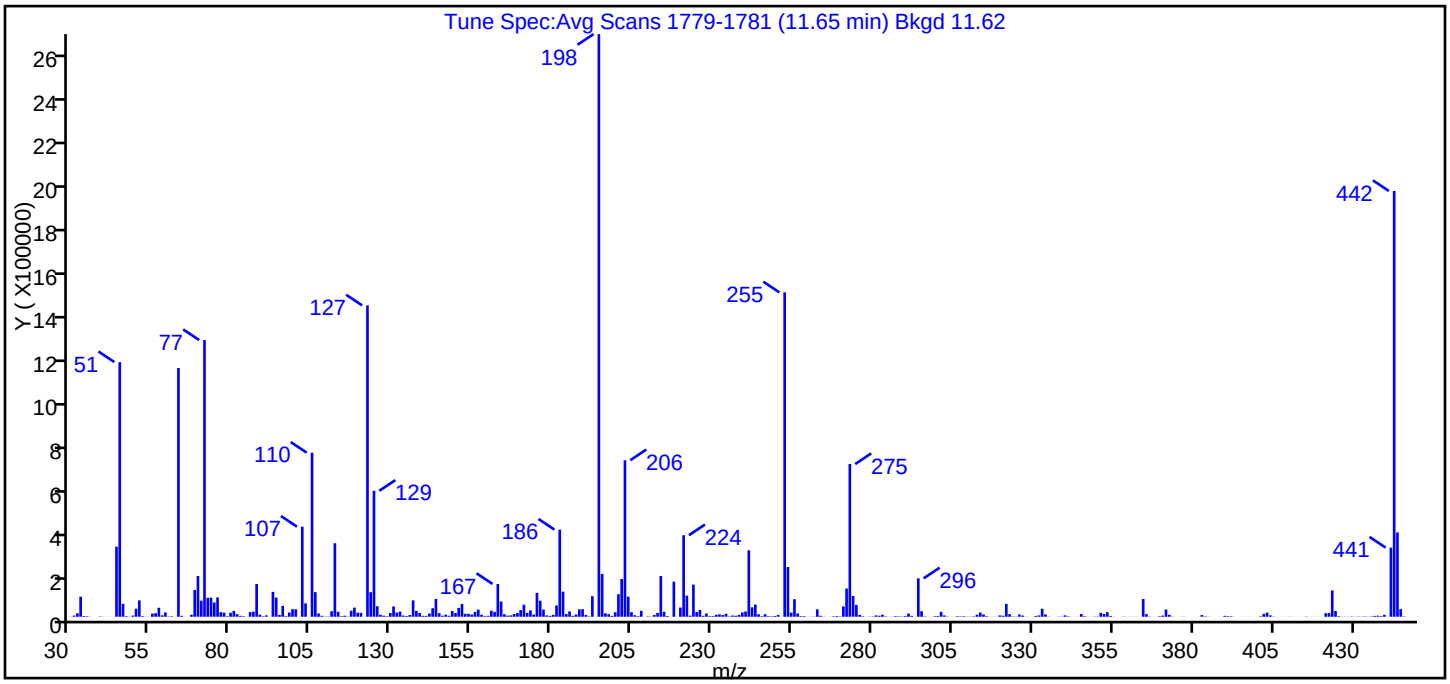
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.344	11.344	0.000	1662674		
82 DFTPP	198	11.651	11.651	0.000	2741260		
86 Benzidine	184	12.671	12.671	0.000	10588627		
88 4,4'-DDD	235	13.339	13.339	0.000	292624		
90 4,4'-DDT	235	13.806	13.806	0.000	5524255		

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		

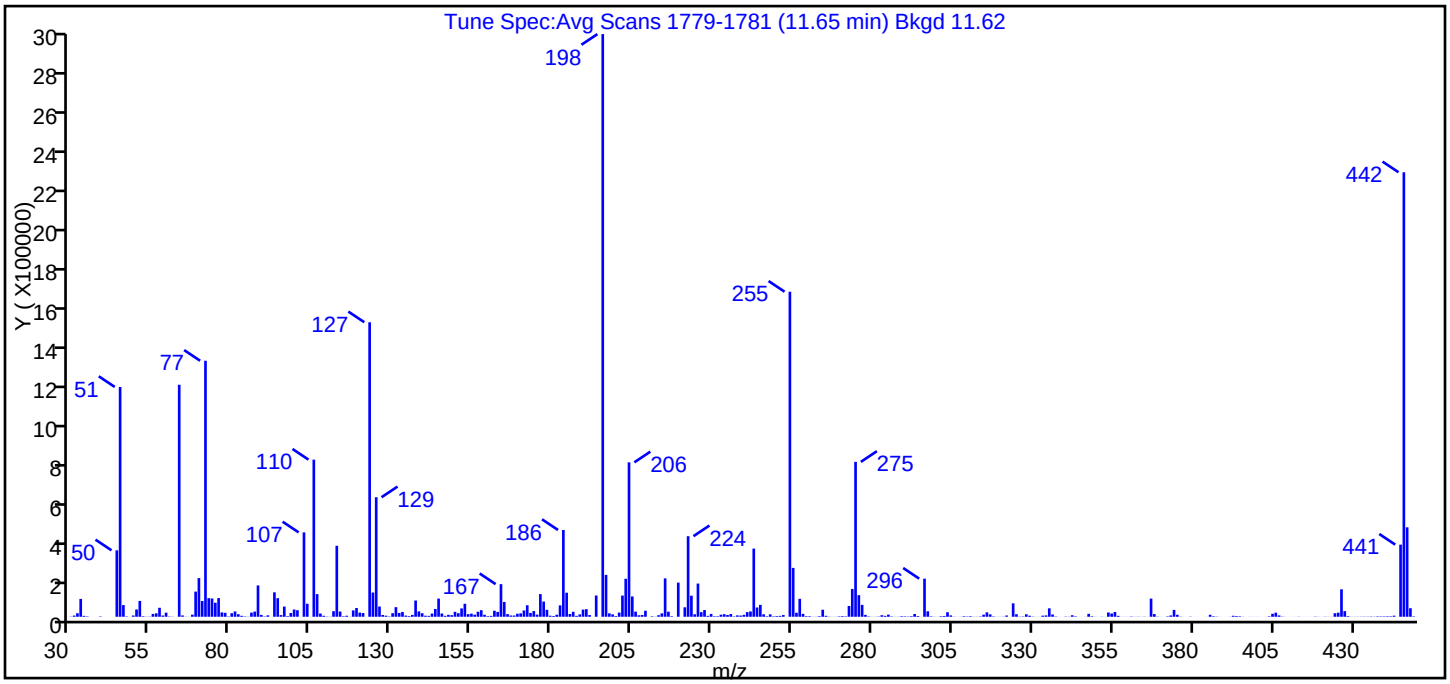
Report Date: 10-Sep-2009 07:41:19

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		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10183.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	11-Sep-2009 10:42:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	360-0001138-001		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	2.0000	ALS Bottle#:	1
Lims Batch ID:	48839	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\8270B.m		
Last Update:	11-Sep-2009 11:16:45	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:	WES1003		

Reviewed By:	rachtank	Date:	11-Sep-2009 11:16:44

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.212	11.212	0.000	2712321		
82 DFTPP	198	11.534	11.534	0.000	3260838		
86 Benzidine	184	12.505	12.505	0.000	8087418		
88 4,4'-DDD	235	13.140	13.140	0.000	225197		
90 4,4'-DDT	235	13.583	13.583	0.000	7390712		

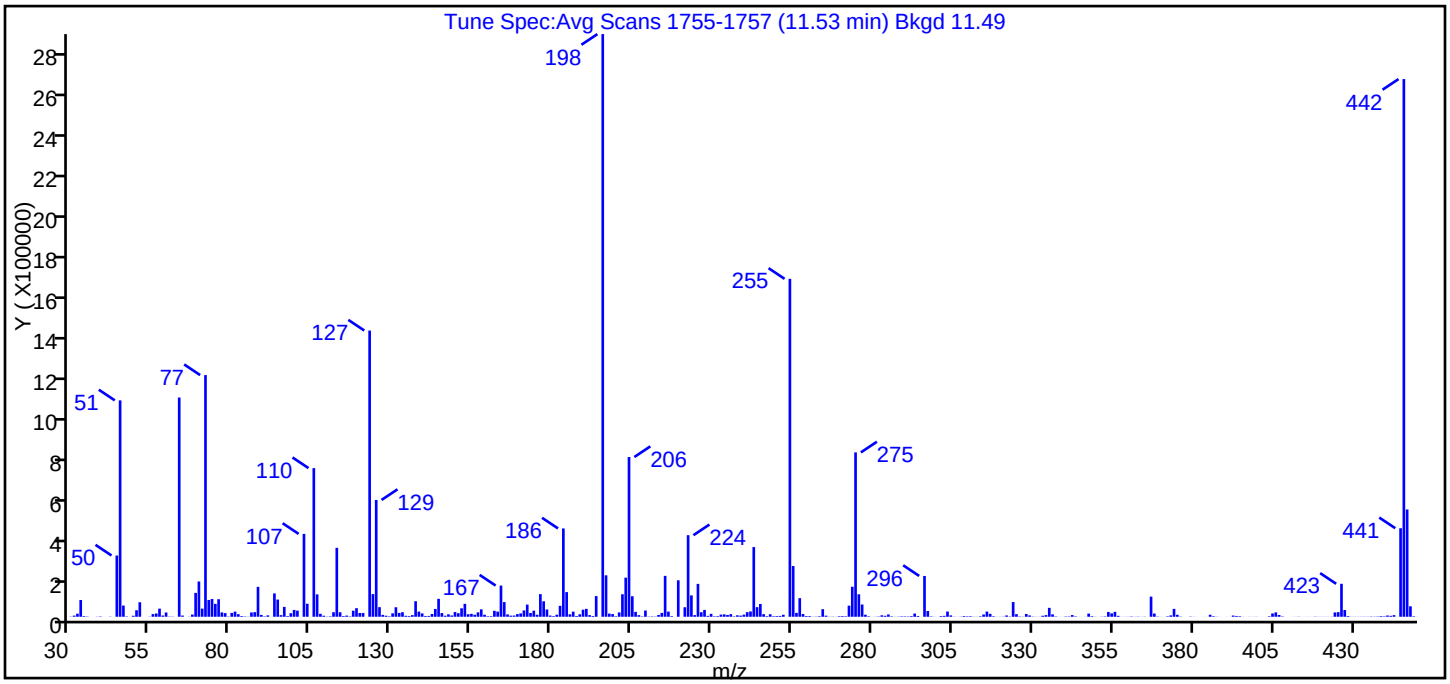
Report Date: 11-Sep-2009 11:16:45

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10183.D		
Inj Date:	11-Sep-2009 10:42:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48839	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	37.14
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.63
70	Less than 2.00% of mass 69	0.21 (0.55)
127	40.00 - 60.00% of mass 198	49.12
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.12
275	10.00 - 30.00% of mass 198	28.21
365	Greater than 1.00% of mass 198	3.46
441	Present, but less than mass 443%	15.20 (82.54)
442	Greater than 40.00% of mass 198	92.28
443	17.00 - 23.00% of mass 442	18.41 (19.95)

Report Date: 11-Sep-2009 11:16:45 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090911-2.b\B10183.D\8270B.rslt\spectra.d
Injection Date: 11-Sep-2009 10:42:30
Spectrum: Tune Spec:Avg Scans 1755-1757 (11.53 min) Bkgd 11.49
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 92

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	81384	108.00	63400	179.00	109984	244.00	338944
50.00	297856	110.00	722752	180.00	75280	245.00	46688
51.00	1052160	111.00	108944	181.00	35368	246.00	62384
52.00	54424	117.00	335296	185.00	53216	255.00	1643008
56.00	31808	122.00	29512	186.00	429440	256.00	246784
57.00	70592	123.00	41800	187.00	119944	258.00	90536
63.00	39456	127.00	1391616	192.00	34336	265.00	36912
69.00	1065984	128.00	110328	193.00	38560	273.00	53944
74.00	116072	129.00	567936	196.00	100592	274.00	145984
75.00	171584	130.00	46696	198.00	2832896	275.00	799168
76.00	39752	135.00	46296	199.00	201600	276.00	109248
77.00	1175040	141.00	75536	204.00	109488	277.00	59672
78.00	81768	147.00	38032	205.00	190272	296.00	198464
79.00	86224	148.00	87336	206.00	776704	323.00	71600
80.00	62816	155.00	41192	207.00	99784	334.00	43352
81.00	85328	156.00	62912	211.00	30408	365.00	97888
93.00	145408	161.00	36104	217.00	198848	372.00	38488
98.00	113592	165.00	28872	221.00	177344	423.00	160320
99.00	83712	167.00	151680	223.00	46304	424.00	32864
101.00	47944	168.00	71384	224.00	396608	441.00	430528
104.00	33152	174.00	30768	225.00	103848	442.00	2614272
105.00	29888	175.00	59160	227.00	159872	443.00	521600
107.00	402944	177.00	29632	229.00	33216	444.00	50952

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10194.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	11-Sep-2009 16:56:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	360-0001141-001		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	48845	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\8270B.m		
Last Update:	14-Sep-2009 12:50:29	Calib Date:	11-Sep-2009 15:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090911-2.b\B10192.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	14-Sep-2009 12:50:29

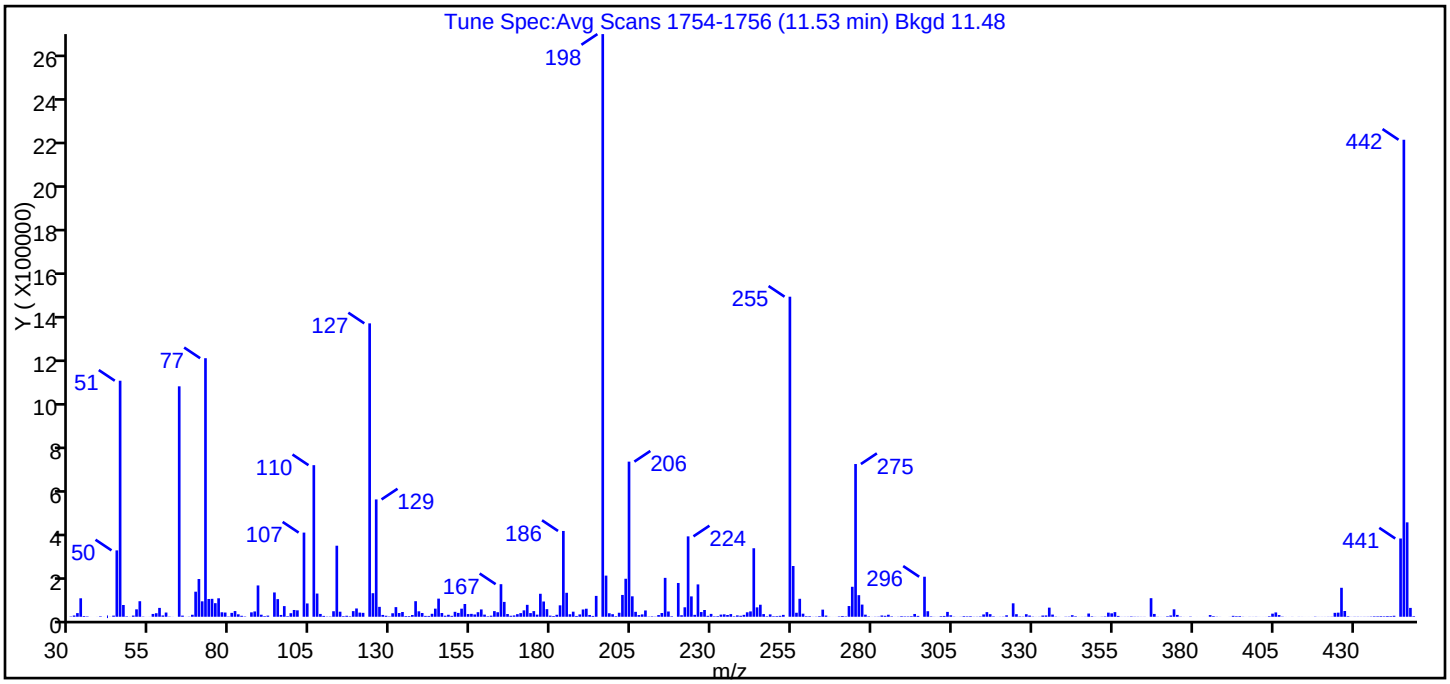
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.214	11.214	0.000	2393098		
82 DFTPP	198	11.531	11.531	0.000	2899342		
86 Benzidine	184	12.503	12.503	0.000	7852008		
88 4,4'-DDD	235	13.137	13.140	-0.003	291562		
90 4,4'-DDT	235	13.580	13.580	0.000	6263369		

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090911-3.b\B10194.D		
Inj Date:	11-Sep-2009 16:56:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48845	Lims Sample ID:	1
Client ID:		Instrument:	Inst. B
Sample Info:	DFTPP		
Sample Amount:	1.00 uL	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.51
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.55
70	Less than 2.00% of mass 69	0.20 (0.50)
127	40.00 - 60.00% of mass 198	50.36
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.06
275	10.00 - 30.00% of mass 198	26.21
365	Greater than 1.00% of mass 198	3.19
441	Present, but less than mass 443%	13.43 (82.89)
442	Greater than 40.00% of mass 198	81.87
443	17.00 - 23.00% of mass 442	16.21 (19.80)

Report Date: 14-Sep-2009 12:50:30 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTB.i\20090911-3.b\B10194.D\8270B.rslt\spectra.d
Injection Date: 11-Sep-2009 16:56:30
Spectrum: Tune Spec:Avg Scans 1754-1756 (11.53 min) Bkgd 11.48
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	84496	107.00	384704	180.00	69760	244.00	313152
50.00	303424	108.00	60920	181.00	34776	245.00	43008
51.00	1078784	110.00	692864	185.00	52320	246.00	55024
52.00	53776	111.00	106128	186.00	392192	255.00	1462784
56.00	33984	117.00	324736	187.00	109576	256.00	232000
57.00	71072	123.00	37920	192.00	33320	258.00	82160
63.00	40528	127.00	1340928	193.00	36752	265.00	32616
69.00	1053184	128.00	107688	196.00	95352	273.00	49016
74.00	114576	129.00	536256	198.00	2662912	274.00	137024
75.00	172544	130.00	45304	199.00	188096	275.00	698048
76.00	70600	135.00	44112	204.00	99736	276.00	98720
77.00	1181696	141.00	71152	205.00	173696	277.00	55672
78.00	81296	147.00	37080	206.00	708992	296.00	182976
79.00	82024	148.00	82888	207.00	93456	323.00	61472
80.00	62128	155.00	36960	211.00	28816	334.00	41728
81.00	84456	156.00	58336	217.00	177792	365.00	84968
93.00	143168	161.00	33528	221.00	154432	372.00	34088
98.00	111128	167.00	148928	223.00	43296	423.00	132480
99.00	80672	168.00	67960	224.00	367488	441.00	357696
101.00	48728	174.00	29328	225.00	93128	442.00	2180096
104.00	30976	175.00	54520	227.00	147904	443.00	431552
105.00	29384	179.00	105112	229.00	30928	444.00	40520

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

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: 4 | TIC Result Total: 3362

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	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

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

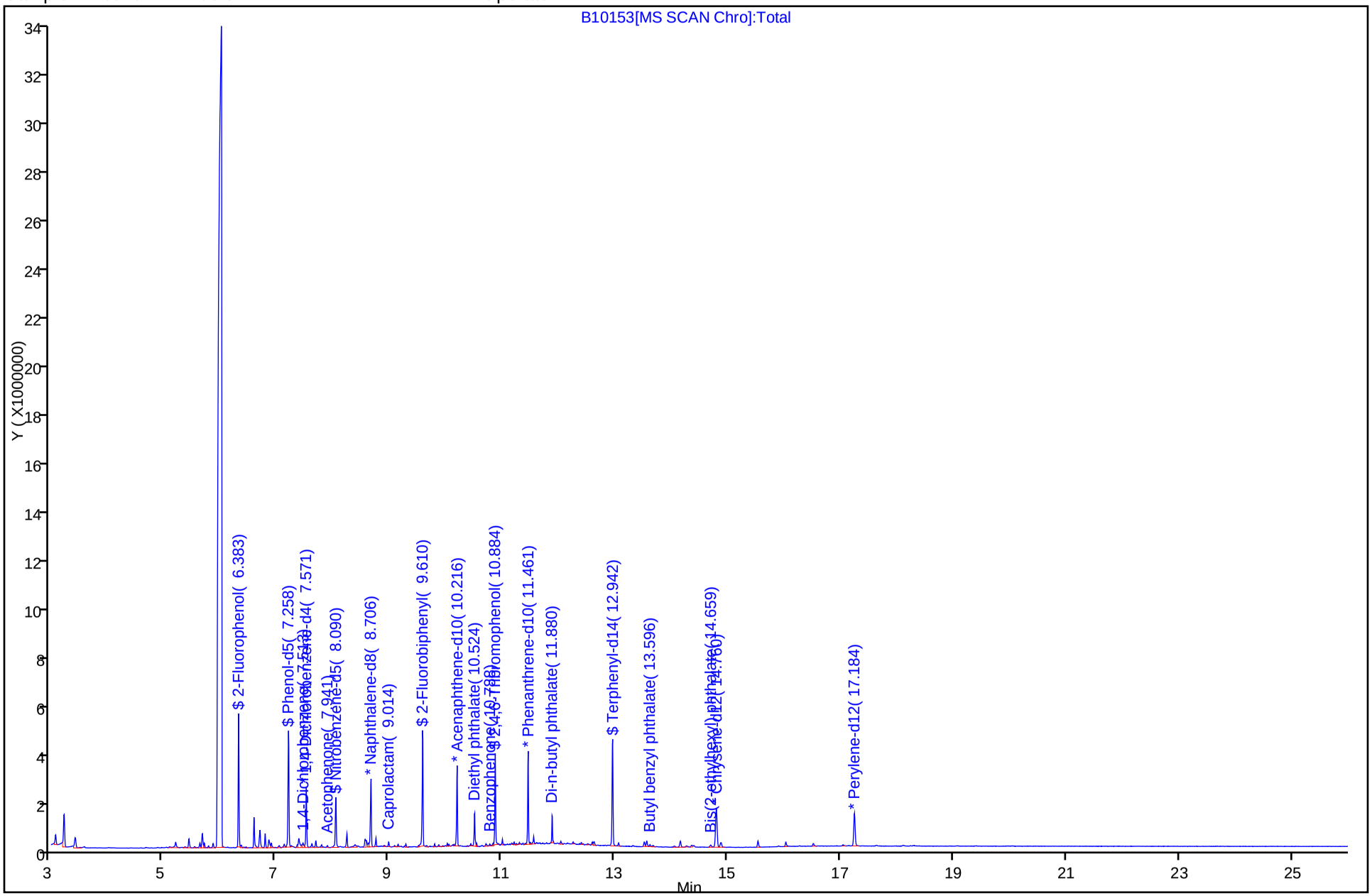
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.571	2623346	2.00
* 2 Naphthalene-d8	8.706	3410103	2.00

QC Flag Legend

Processing Flags

Report Date: 10-Sep-2009 07:59:46 Chrom Revision: 1.0.2009.827

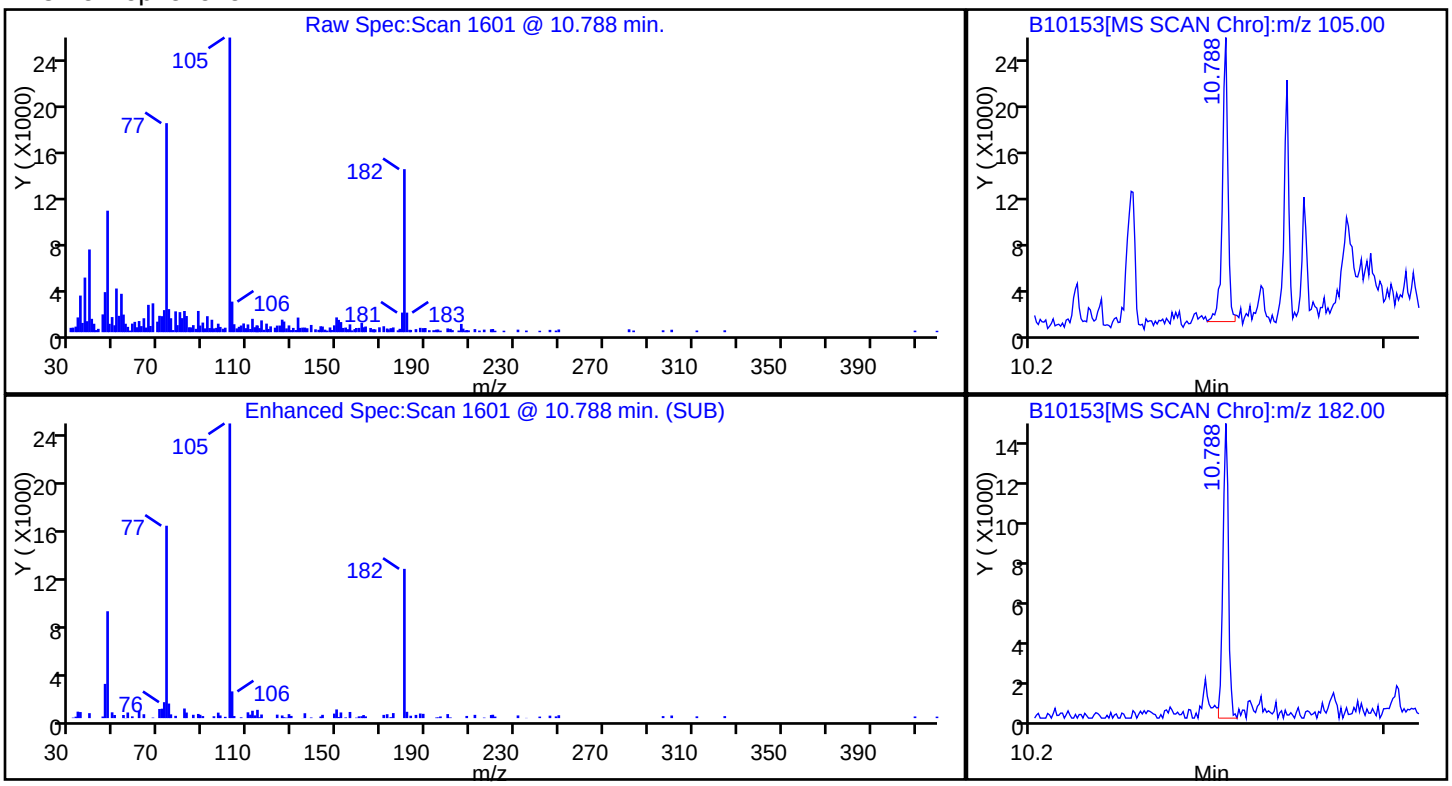
Data File:	\\wessvr06\chromdata\INSTB.i\20090909-2.b\B10153.D		
Inj Date:	10-Sep-2009 00:13:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48751	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-48119/1-A		
Sample Amount:	2.00 uL	Operator:	MZ

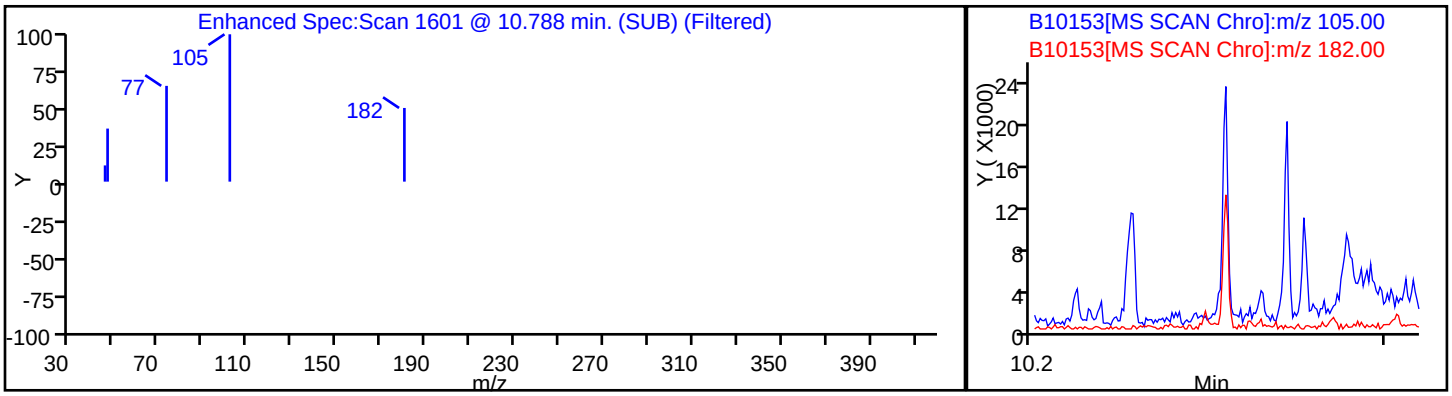


Report Date: 10-Sep-2009 07:59:48 Chrom Revision: 1.0.2009.827

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

13 Benzophenone

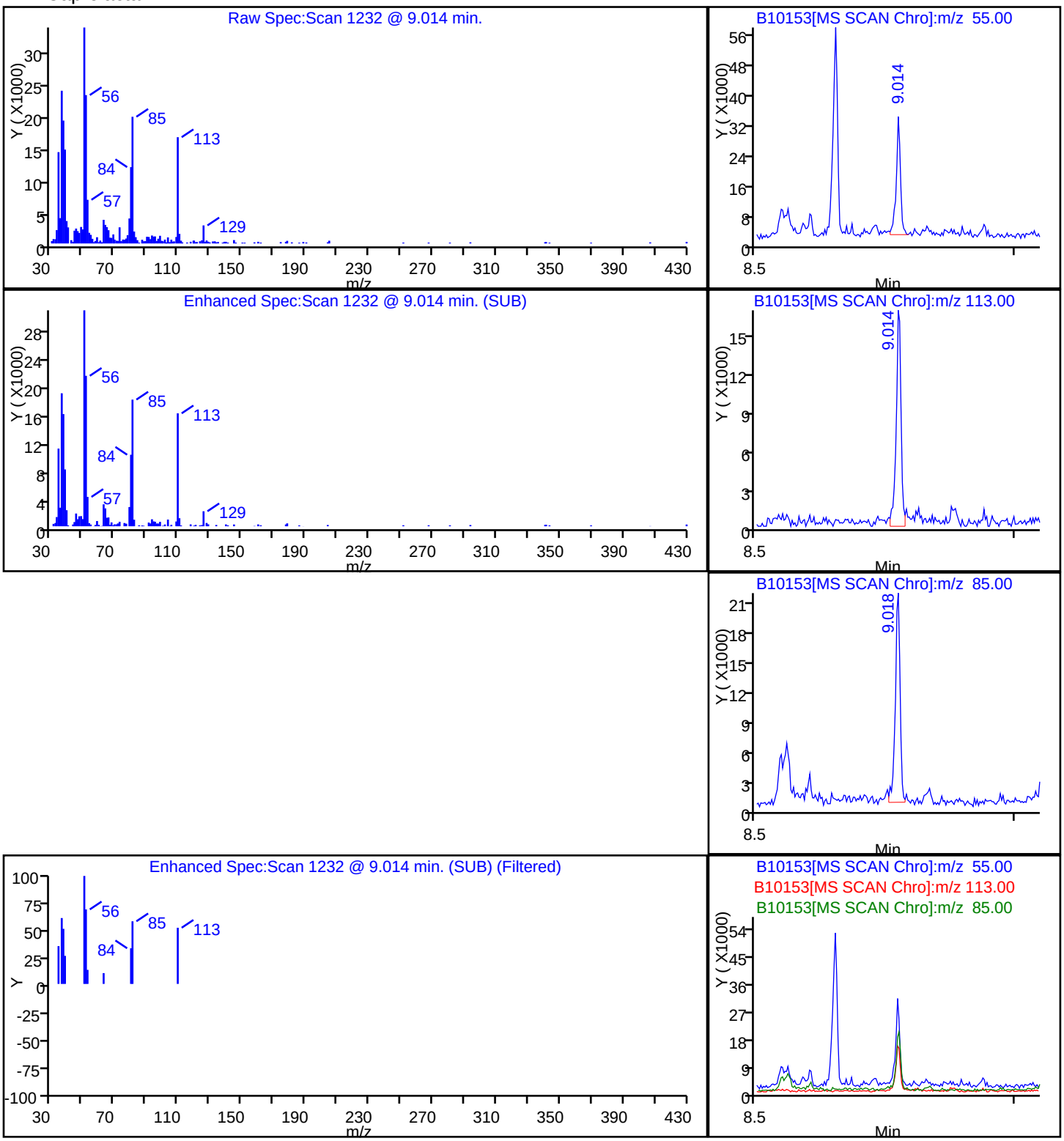




Report Date: 10-Sep-2009 07:59:47 Chrom Revision: 1.0.2009.827

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

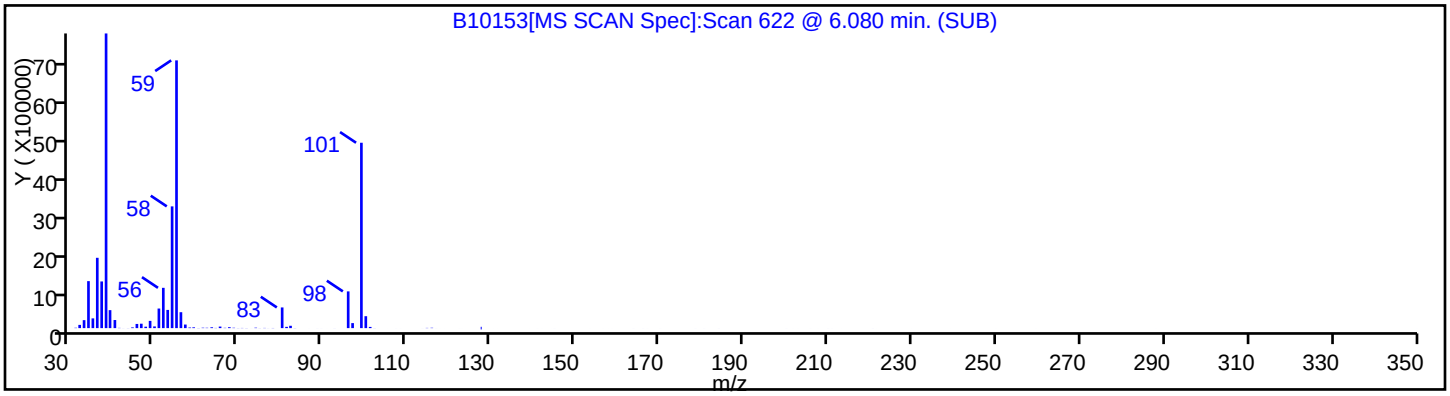
44 Caprolactam



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

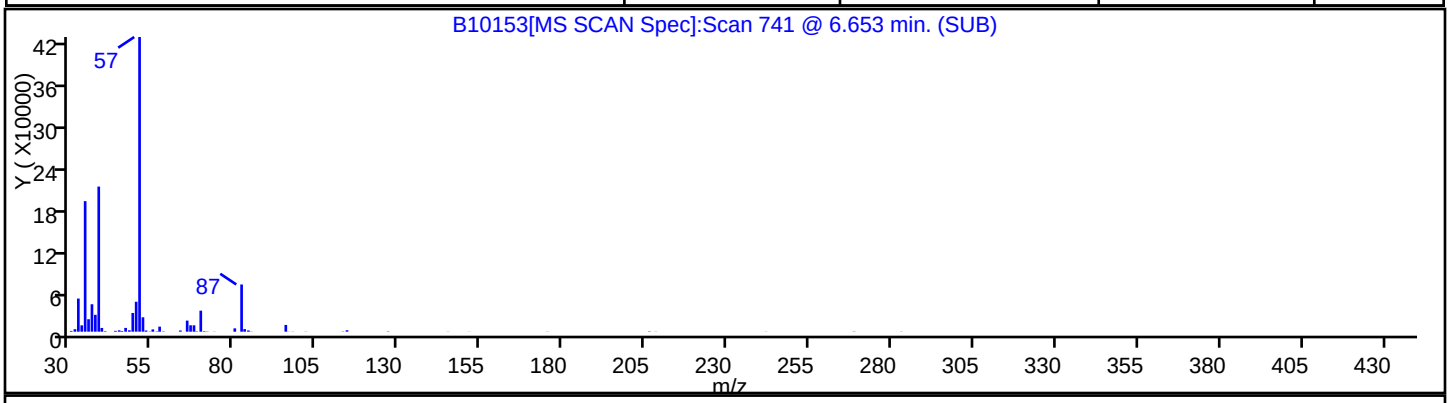
Lims Batch ID: 48751 Lims Sample ID: 3

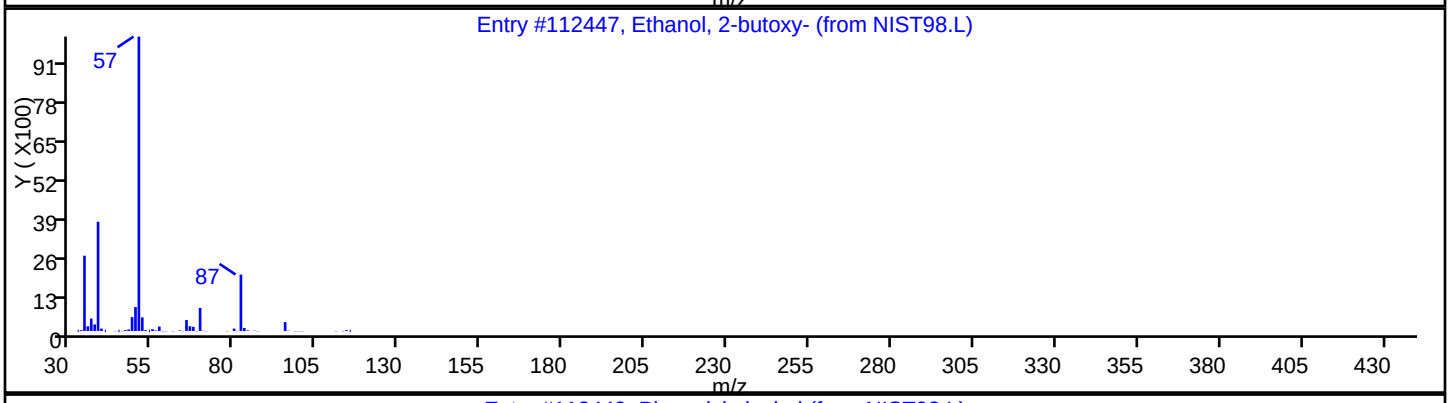
Client ID: Instrument: Inst. B

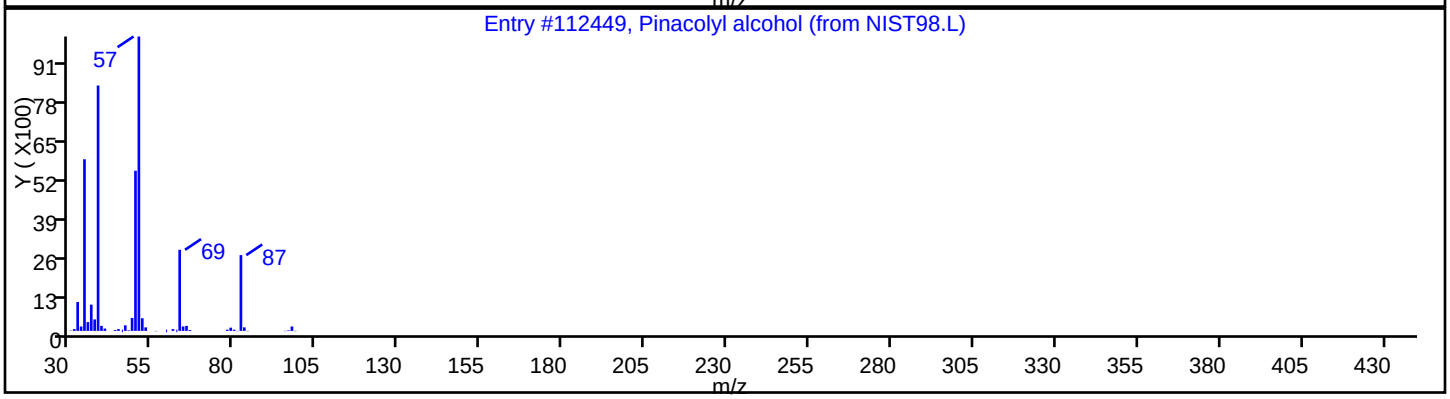
Sample Info: MB 360-48119/1-A

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



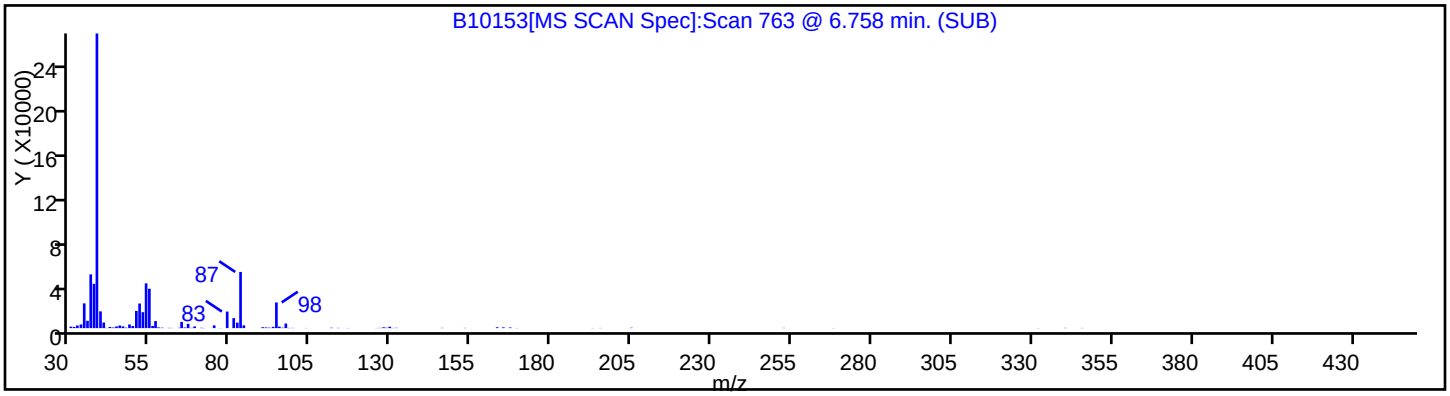




Report Date: 10-Sep-2009 07:59:49 Chrom Revision: 1.0.2009.827

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

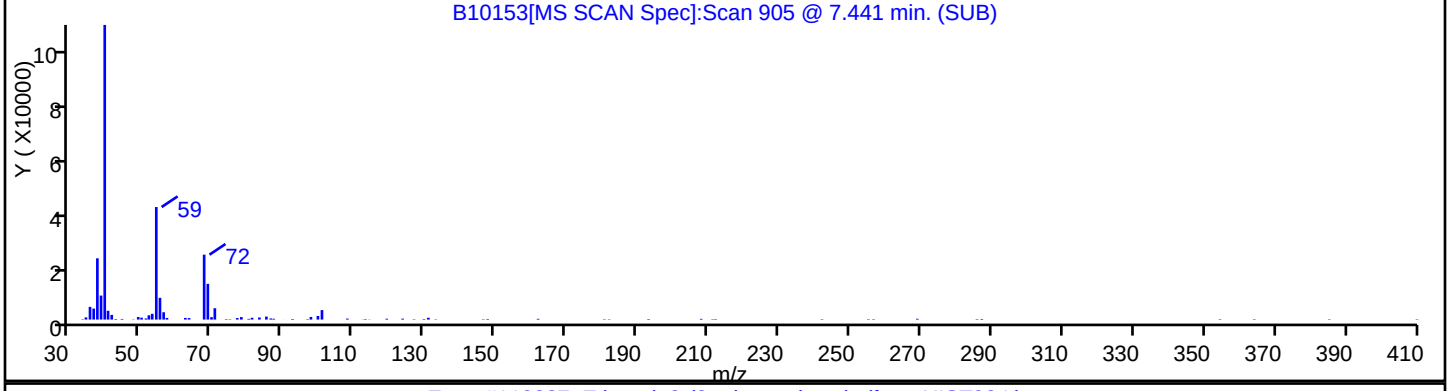
Client ID: Instrument: Inst. B

Sample Info: MB 360-48119/1-A

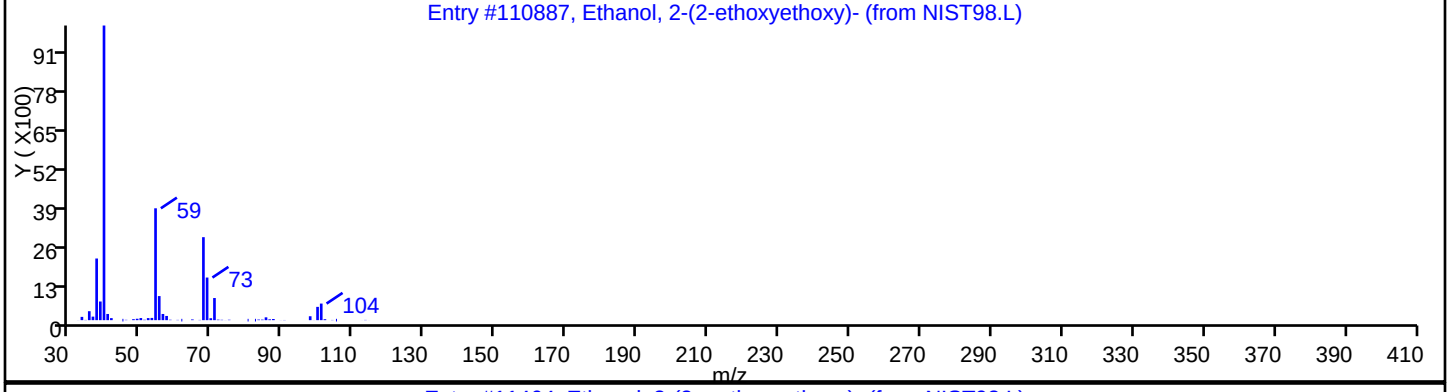
Sample Amount: 2.00 uL Operator: MZ

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

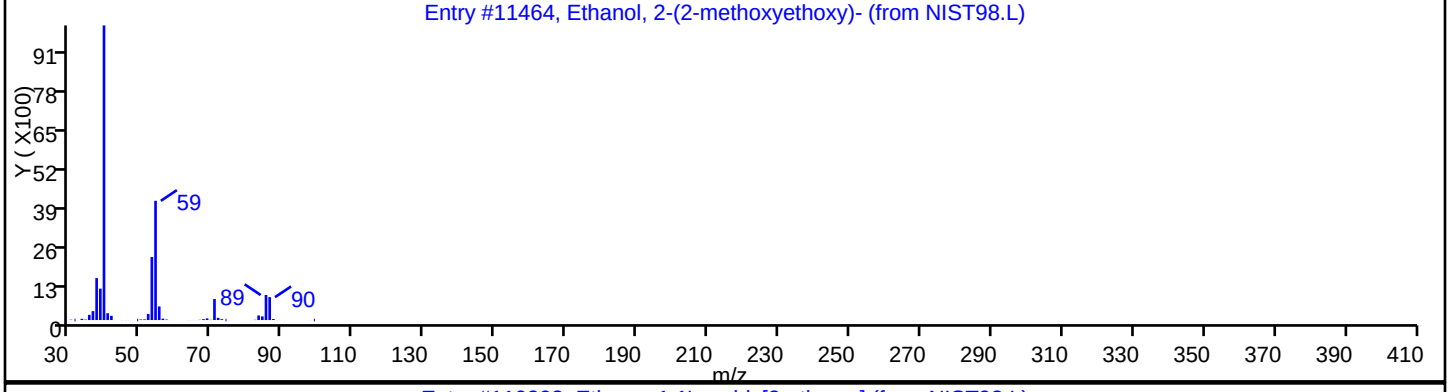
B10153[MS SCAN Spec]:Scan 905 @ 7.441 min. (SUB)



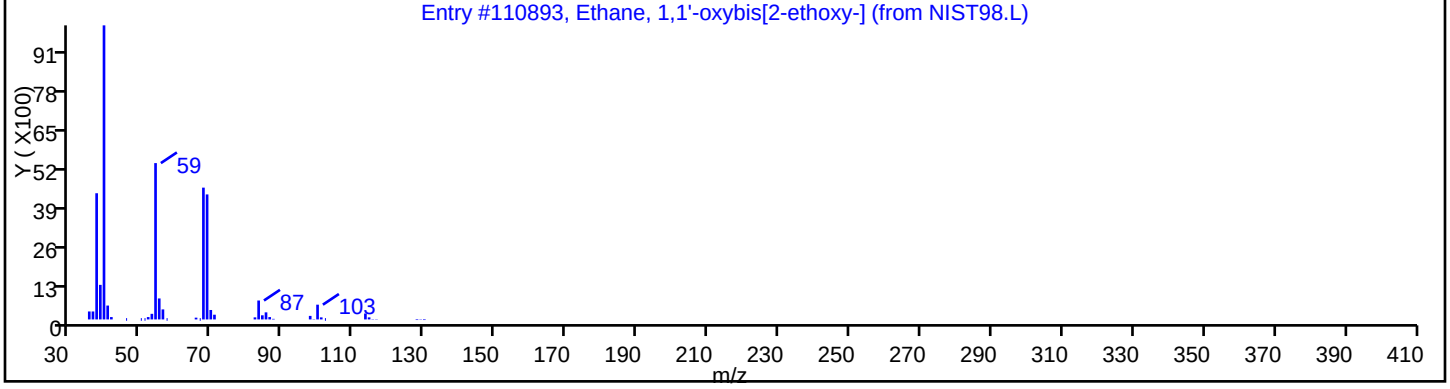
Entry #110887, Ethanol, 2-(2-ethoxyethoxy)- (from NIST98.L)



Entry #11464, Ethanol, 2-(2-methoxyethoxy)- (from NIST98.L)



Entry #110893, Ethane, 1,1'-oxybis[2-ethoxy-] (from NIST98.L)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

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

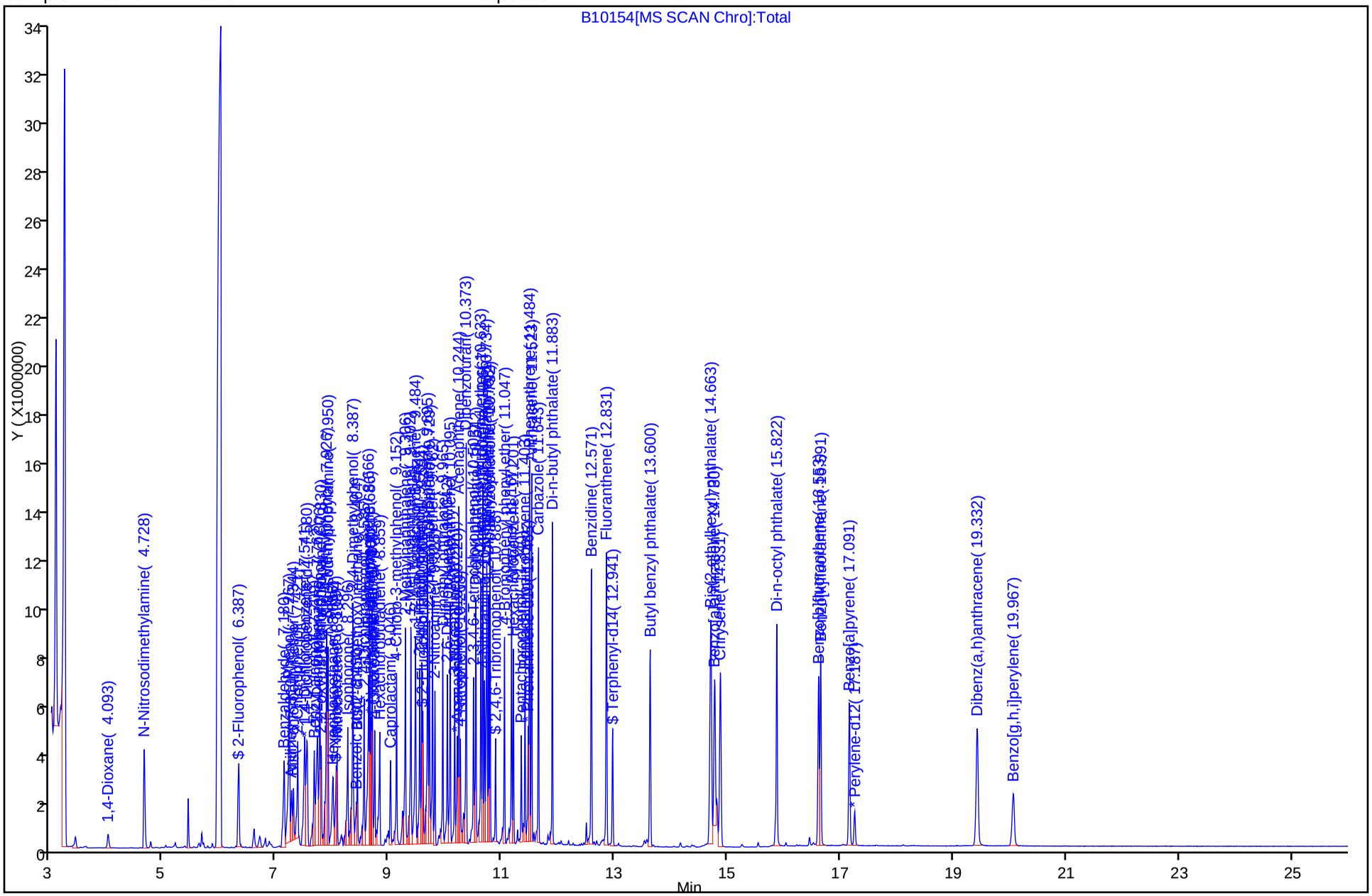
Inj Date: 10-Sep-2009 00:47:30 Limit Group: SMS - 8270LL SVOA Calibration

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



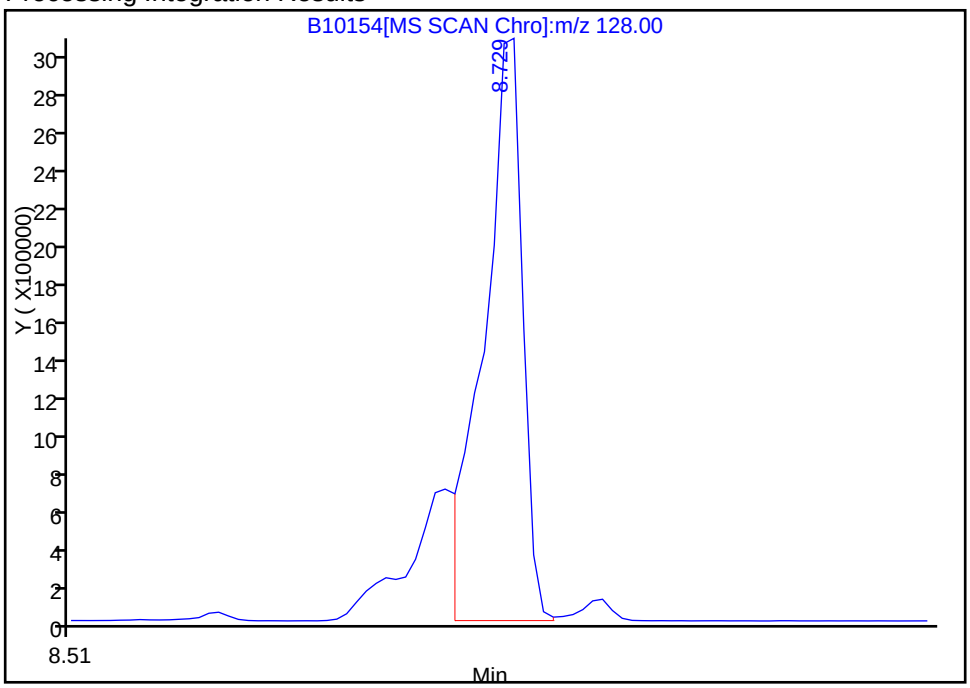
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

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

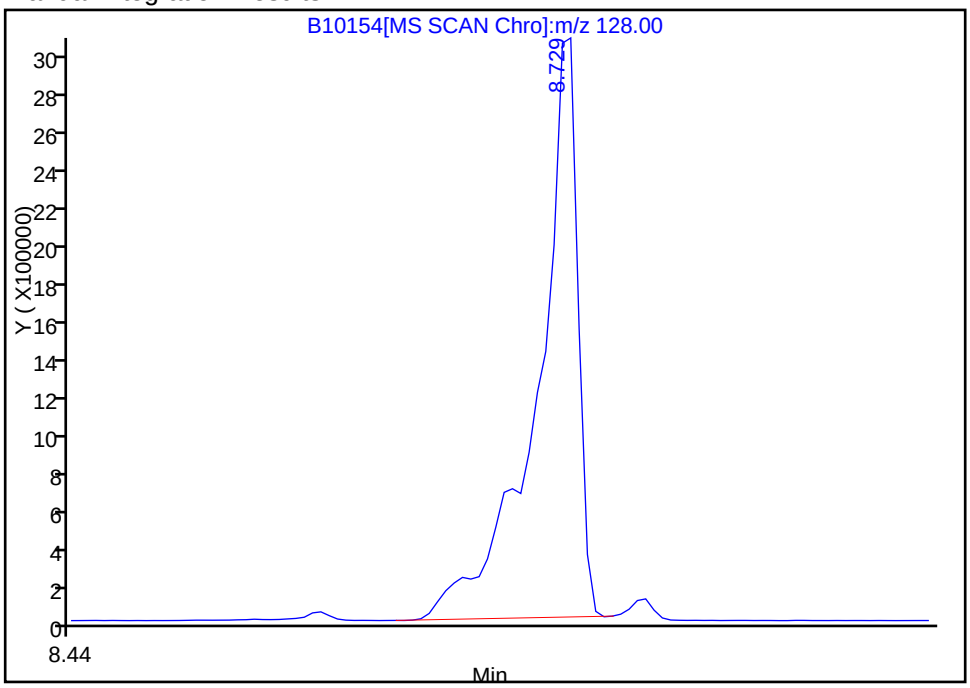
Processing Integration Results

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

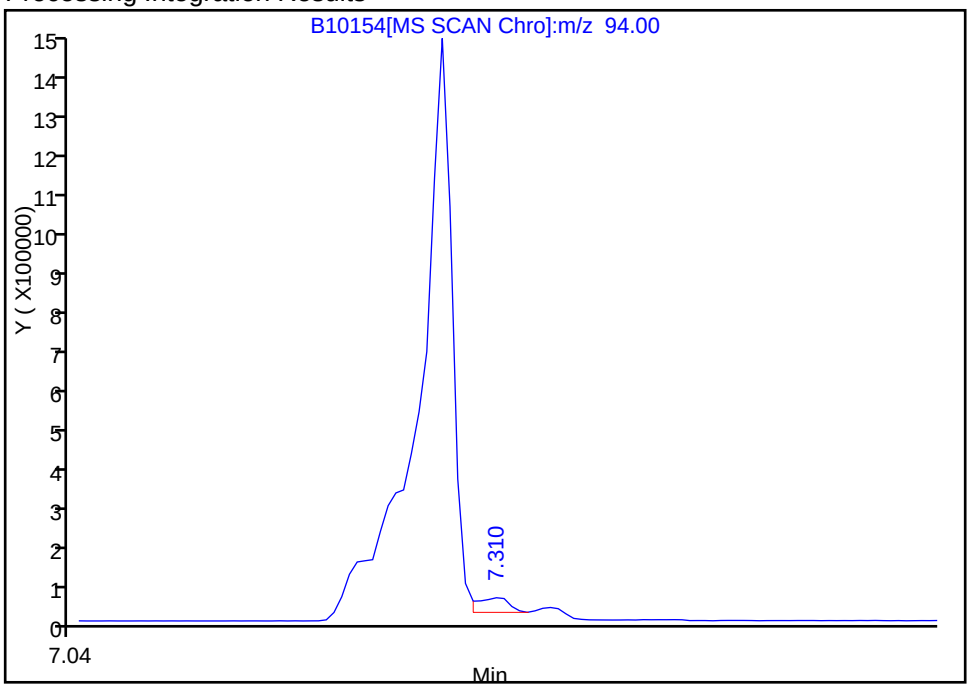
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

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

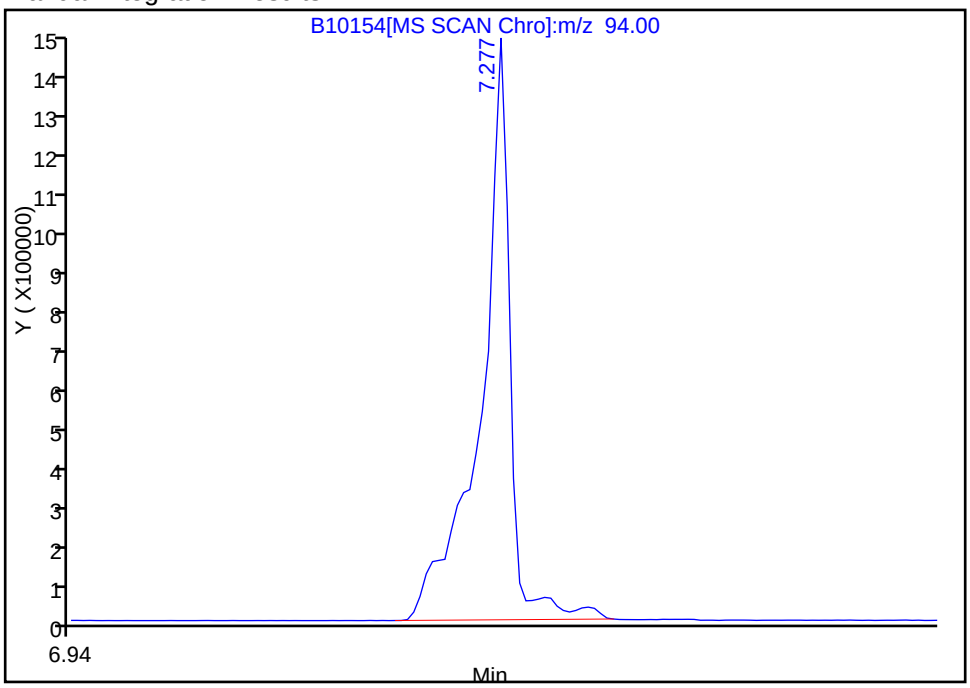
Processing Integration Results

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.: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

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

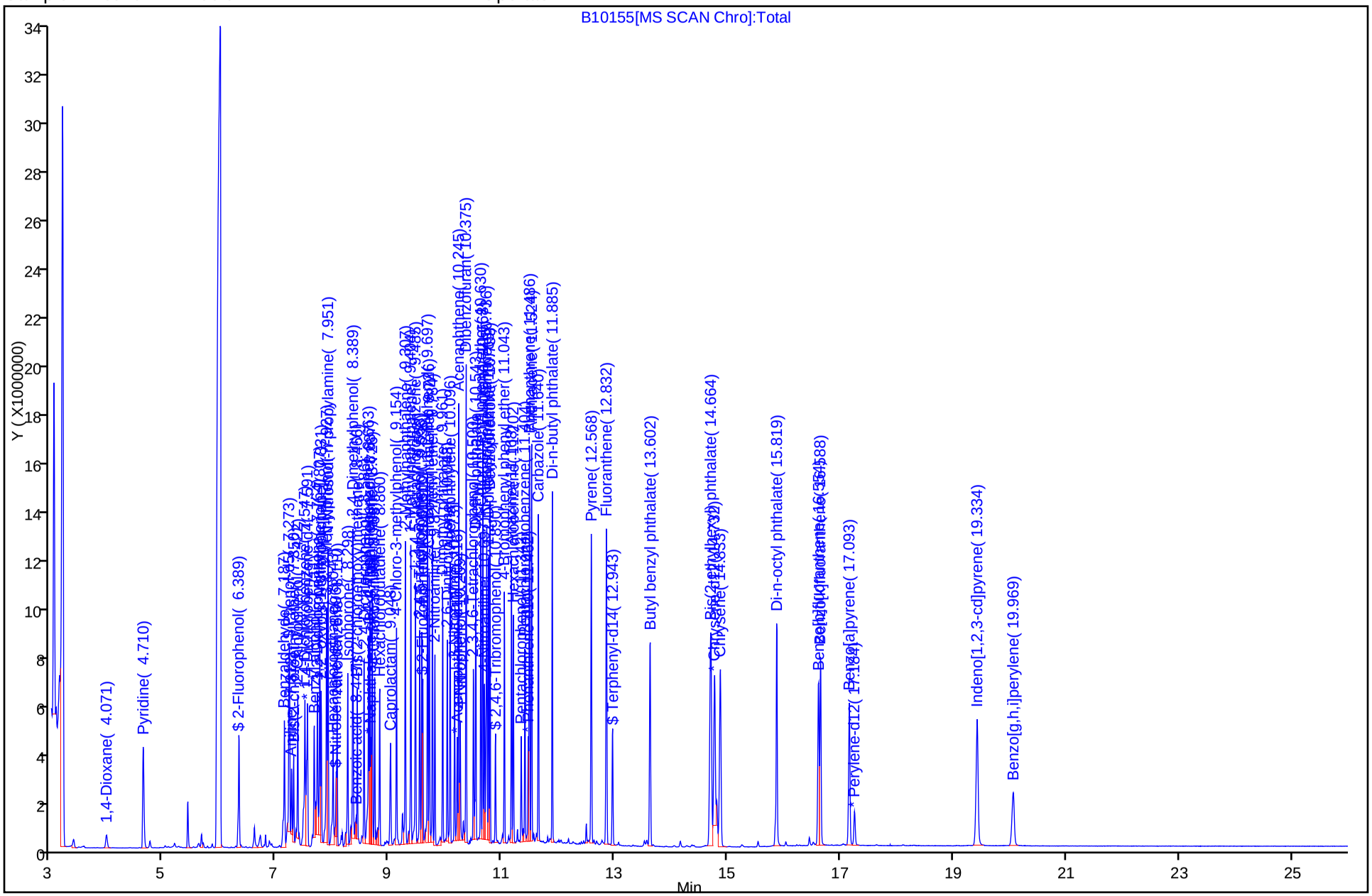
Inj Date: 10-Sep-2009 01:21:30 Limit Group: SMS - 8270LL SVOA Calibration

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.: 360-24244-2

SDG No.: OCRI-04A

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)
ZZZZZ		09/10/2009 02:28	1		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)
ZZZZZ		09/10/2009 04:43	1		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)
ZZZZZ		09/10/2009 10:21	2		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

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)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Instrument ID: Inst. B Start Date: 09/11/2009 10:42

Analysis Batch Number: 48839 End Date: 09/11/2009 16:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-48839/1		09/11/2009 10:42	1	B10183.D	Rtx-5ms 0.25(um)
STD5 360-48839/2 ICIS		09/11/2009 11:16	1	B10184.D	Rtx-5ms 0.25(um)
STD01 360-48839/3 IC		09/11/2009 11:50	1	B10185.D	Rtx-5ms 0.25(um)
STD025 360-48839/4 IC		09/11/2009 12:24	1	B10186.D	Rtx-5ms 0.25(um)
STD05 360-48839/5 IC		09/11/2009 12:58	1	B10187.D	Rtx-5ms 0.25(um)
STD1 360-48839/6 IC		09/11/2009 13:32	1	B10188.D	Rtx-5ms 0.25(um)
STD25 360-48839/7 IC		09/11/2009 14:06	1	B10189.D	Rtx-5ms 0.25(um)
STD8 360-48839/8 IC		09/11/2009 14:40	1	B10190.D	Rtx-5ms 0.25(um)
STD10 360-48839/9 IC		09/11/2009 15:14	1	B10191.D	Rtx-5ms 0.25(um)
STD20 360-48839/10 IC		09/11/2009 15:48	1	B10192.D	Rtx-5ms 0.25(um)
ICV 360-48839/11		09/11/2009 16:22	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Instrument ID: Inst. B Start Date: 09/11/2009 16:56

Analysis Batch Number: 48845 End Date: 09/12/2009 04:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-48845/1		09/11/2009 16:56	1	B10194.D	Rtx-5ms 0.25(um)
CCV 360-48845/2 CCVIS		09/11/2009 17:30	1	B10195.D	Rtx-5ms 0.25(um)
ZZZZZ		09/11/2009 18:04	10		Rtx-5ms 0.25(um)
ZZZZZ		09/11/2009 18:38	10		Rtx-5ms 0.25(um)
ZZZZZ		09/11/2009 19:12	100		Rtx-5ms 0.25(um)
ZZZZZ		09/11/2009 19:47	200		Rtx-5ms 0.25(um)
ZZZZZ		09/11/2009 20:20	10		Rtx-5ms 0.25(um)
ZZZZZ		09/11/2009 20:55	100		Rtx-5ms 0.25(um)
ZZZZZ		09/11/2009 21:29	200		Rtx-5ms 0.25(um)
ZZZZZ		09/11/2009 22:03	10		Rtx-5ms 0.25(um)
ZZZZZ		09/11/2009 22:37	10		Rtx-5ms 0.25(um)
ZZZZZ		09/11/2009 23:11	10		Rtx-5ms 0.25(um)
360-24244-5	OC-SB-443-18/20-XXX	09/11/2009 23:45	1	B10206.D	Rtx-5ms 0.25(um)
ZZZZZ		09/12/2009 00:19	1		Rtx-5ms 0.25(um)
ZZZZZ		09/12/2009 00:53	1		Rtx-5ms 0.25(um)
ZZZZZ		09/12/2009 01:27	10		Rtx-5ms 0.25(um)
360-24244-8	OC-SB-445-25/27-XXX	09/12/2009 02:01	1	B10210.D	Rtx-5ms 0.25(um)
ZZZZZ		09/12/2009 02:35	1		Rtx-5ms 0.25(um)
ZZZZZ		09/12/2009 03:09	1		Rtx-5ms 0.25(um)
360-24244-11	OC-SB-437-21/23-XXX	09/12/2009 03:43	1	B10213.D	Rtx-5ms 0.25(um)
ZZZZZ		09/12/2009 04:17	1		Rtx-5ms 0.25(um)

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		T	30.59 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		

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	3546, 8270C LL	T	30.56 g	1.0 mL	50 uL		
360-24244-A-8	OC-SB-445-25/27-XXX	3546, 8270C LL	T	30.13 g	1.0 mL	50 uL		
360-24244-A-11	OC-SB-437-21/23-XXX	3546, 8270C LL	T	30.55 g	1.0 mL	50 uL		

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24244-2

SDG No.: OCRI-04A

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SB-443-18/20-XXX	360-24244-5
OC-SB-445-25/27-XXX	360-24244-8
OC-SB-437-21/23-XXX	360-24244-11

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-443-18/20-XXX
Lab Sample ID: 360-24244-5
Lab Name: TestAmerica Westfield
Job No.: 360-24244-2
SDG ID.: OCRI-04A
Matrix: Solid
Date Sampled: 08/20/2009 17:20
Reporting Basis: DRY
Date Received: 08/21/2009 17:25
% Solids: 92.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6900	3.4	0.89	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.68	0.25	mg/Kg			1	6010B
7440-38-2	Arsenic	4.5	1.4	0.12	mg/Kg			1	6010B
7440-39-3	Barium	42	0.68	0.089	mg/Kg		^ B	1	6010B
7440-41-7	Beryllium	0.12	0.27	0.034	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.31	0.27	0.0096	mg/Kg			1	6010B
7440-70-2	Calcium	4700	14	3.4	mg/Kg		B	1	6010B
7440-47-3	Chromium	20	0.68	0.091	mg/Kg		B	1	6010B
7440-48-4	Cobalt	6.8	0.68	0.089	mg/Kg			1	6010B
7440-50-8	Copper	15	1.4	0.089	mg/Kg			1	6010B
7439-89-6	Iron	21000	6.8	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	2.5	0.68	0.078	mg/Kg			1	6010B
7439-95-4	Magnesium	3000	14	0.68	mg/Kg		B	1	6010B
7439-96-5	Manganese	83	1.4	0.091	mg/Kg			1	6010B
7440-02-0	Nickel	9.3	1.4	0.089	mg/Kg			1	6010B
7440-09-7	Potassium	2600	270	43	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.68	0.32	mg/Kg			1	6010B
7440-22-4	Silver	2.2	0.68	0.069	mg/Kg			1	6010B
7440-23-5	Sodium	800	140	18	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.4	0.099	mg/Kg			1	6010B
7440-62-2	Vanadium	45	1.4	0.089	mg/Kg			1	6010B
7440-66-6	Zinc	11	3.4	0.80	mg/Kg			1	6010B
7440-31-5	Tin	6.1	6.8	0.44	mg/Kg	J	^ B	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-445-25/27-XXX
Lab Sample ID: 360-24244-8
Lab Name: TestAmerica Westfield
Job No.: 360-24244-2
SDG ID.: OCRI-04A
Matrix: Solid
Date Sampled: 08/21/2009 10:15
Reporting Basis: DRY
Date Received: 08/21/2009 17:25
% Solids: 91.5

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8500	3.5	0.91	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.70	0.25	mg/Kg			1	6010B
7440-38-2	Arsenic	4.9	1.4	0.13	mg/Kg			1	6010B
7440-39-3	Barium	37	0.70	0.091	mg/Kg		^ B	1	6010B
7440-41-7	Beryllium	0.22	0.28	0.035	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.26	0.28	0.0097	mg/Kg	J		1	6010B
7440-70-2	Calcium	3000	14	3.5	mg/Kg		B	1	6010B
7440-47-3	Chromium	48	0.70	0.093	mg/Kg		B	1	6010B
7440-48-4	Cobalt	7.8	0.70	0.091	mg/Kg			1	6010B
7440-50-8	Copper	20	1.4	0.091	mg/Kg			1	6010B
7439-89-6	Iron	19000	7.0	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	1.2	0.70	0.080	mg/Kg			1	6010B
7439-95-4	Magnesium	5100	14	0.70	mg/Kg		B	1	6010B
7439-96-5	Manganese	110	1.4	0.093	mg/Kg			1	6010B
7440-02-0	Nickel	17	1.4	0.091	mg/Kg			1	6010B
7440-09-7	Potassium	2300	280	44	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.70	0.33	mg/Kg			1	6010B
7440-22-4	Silver	0.28	0.70	0.070	mg/Kg	J		1	6010B
7440-23-5	Sodium	120	140	18	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.4	0.10	mg/Kg			1	6010B
7440-62-2	Vanadium	31	1.4	0.091	mg/Kg			1	6010B
7440-66-6	Zinc	20	3.5	0.82	mg/Kg			1	6010B
7440-31-5	Tin	17	7.0	0.45	mg/Kg		^ B	1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-437-21/23-XXX
Lab Sample ID: 360-24244-11
Lab Name: TestAmerica Westfield
Job No.: 360-24244-2
SDG ID.: OCRI-04A
Matrix: Solid
Date Sampled: 08/21/2009 13:10
Reporting Basis: DRY
Date Received: 08/21/2009 17:25
% Solids: 93.2

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9500	3.2	0.82	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.63	0.23	mg/Kg			1	6010B
7440-38-2	Arsenic	3.7	1.3	0.12	mg/Kg			1	6010B
7440-39-3	Barium	40	0.63	0.082	mg/Kg		^ B	1	6010B
7440-41-7	Beryllium	0.22	0.25	0.032	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.26	0.25	0.0088	mg/Kg			1	6010B
7440-70-2	Calcium	3200	13	3.2	mg/Kg		B	1	6010B
7440-47-3	Chromium	35	0.63	0.084	mg/Kg		B	1	6010B
7440-48-4	Cobalt	7.5	0.63	0.082	mg/Kg			1	6010B
7440-50-8	Copper	15	1.3	0.082	mg/Kg			1	6010B
7439-89-6	Iron	18000	6.3	1.0	mg/Kg		B	1	6010B
7439-92-1	Lead	1.3	0.63	0.072	mg/Kg			1	6010B
7439-95-4	Magnesium	6200	13	0.63	mg/Kg		B	1	6010B
7439-96-5	Manganese	150	1.3	0.084	mg/Kg			1	6010B
7440-02-0	Nickel	15	1.3	0.082	mg/Kg			1	6010B
7440-09-7	Potassium	2600	250	39	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.63	0.30	mg/Kg			1	6010B
7440-22-4	Silver	0.070	0.63	0.063	mg/Kg	J		1	6010B
7440-23-5	Sodium	130	130	16	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.3	0.091	mg/Kg			1	6010B
7440-62-2	Vanadium	31	1.3	0.082	mg/Kg			1	6010B
7440-66-6	Zinc	24	3.2	0.74	mg/Kg			1	6010B
7440-31-5	Tin	12	6.3	0.40	mg/Kg		^ B	1	6010B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49074/6 09/16/2009 13:04				CCV 360-49074/13 09/16/2009 13:24				CCV 360-49074/22 09/16/2009 14:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	987		1000	99	998		1000	100	997		1000	100
Al	983		1000	98	5000		5000	100	4970		5000	99
As	982		1000	98	1000		1000	100	997		1000	100
Ba	987		1000	99	1000		1000	100	995		1000	99
Be	991		1000	99	1000		1000	100	997		1000	100
Cd	990		1000	99	1000		1000	100	996		1000	100
Co	993		1000	99	1000		1000	100	994		1000	99
Cr	979		1000	98	1000		1000	100	995		1000	99
Cu	986		1000	99	1000		1000	100	992		1000	99
Fe	978		1000	98	5000		5000	100	4990		5000	100
K	9260		10000	93	20400		20000	102	19800		20000	99
Mn	989		1000	99	999		1000	100	995		1000	99
Ni	990		1000	99	1000		1000	100	994		1000	99
Pb	995		1000	99	1000		1000	100	998		1000	100
Sb	939		1000	94	995		1000	100	994		1000	99
Se	991		1000	99	1000		1000	100	1010		1000	101
Tl	986		1000	99	1000		1000	100	995		1000	100
V	990		1000	99	1000		1000	100	995		1000	100
Zn	997		1000	100	1000		1000	100	996		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.: 360-24244-2

SDG No.: OCRI-04A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49074/25 09/16/2009 14:54				CCV 360-49074/37 09/16/2009 15:29				CCV 360-49074/49 09/16/2009 16:04			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	996		1000	100	1010		1000	101	1010		1000	101
Al	4950		5000	99	5030		5000	101	5050		5000	101
As	995		1000	100	1010		1000	101	1010		1000	101
Ba	993		1000	99	1010		1000	101	1010		1000	101
Be	997		1000	100	1010		1000	101	1010		1000	101
Cd	997		1000	100	1010		1000	101	1010		1000	101
Co	996		1000	100	1010		1000	101	1010		1000	101
Cr	997		1000	100	1010		1000	101	1010		1000	101
Cu	988		1000	99	1010		1000	101	1000		1000	100
Fe	4970		5000	99	5100		5000	102	5090		5000	102
K	20200		20000	101	20400		20000	102	20800		20000	104
Mn	994		1000	99	1010		1000	101	1010		1000	101
Ni	993		1000	99	1020		1000	102	1010		1000	101
Pb	995		1000	100	1020		1000	102	1020		1000	102
Sb	983		1000	98	1000		1000	100	1000		1000	100
Se	996		1000	100	1010		1000	101	1010		1000	101
Tl	997		1000	100	1010		1000	101	1010		1000	101
V	995		1000	99	1010		1000	101	1010		1000	101
Zn	999		1000	100	1020		1000	102	1010		1000	101

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.: 360-24244-2

SDG No.: OCRI-04A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49074/60 09/16/2009 17:39				CCV 360-49074/65 09/16/2009 16:38				CCV 360-49074/67 09/16/2009 17:16			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	1010		1000	101	1010		1000	101	1010		1000	101
Al	5070		5000	101	5040		5000	101	5010		5000	100
As	1010		1000	101	1010		1000	101	1000		1000	100
Ba	1010		1000	101	1010		1000	101	1000		1000	100
Be	1010		1000	101	1010		1000	101	1010		1000	101
Cd	1000		1000	100	1010		1000	101	997		1000	100
Co	1010		1000	101	1010		1000	101	1000		1000	100
Cr	1010		1000	101	1010		1000	101	1000		1000	100
Cu	1010		1000	101	1010		1000	101	1000		1000	100
Fe	5070		5000	101	5070		5000	101	5010		5000	100
K	20600		20000	103	20300		20000	102	20500		20000	102
Mn	1010		1000	101	1010		1000	101	1000		1000	100
Ni	1010		1000	101	1010		1000	101	998		1000	100
Pb	1010		1000	101	1010		1000	101	1000		1000	100
Sb	1000		1000	100	1000		1000	100	995		1000	99
Se	1010		1000	101	1010		1000	101	997		1000	100
Tl	1010		1000	101	1010		1000	101	1000		1000	100
V	1010		1000	101	1010		1000	101	1000		1000	100
Zn	1000		1000	100	1010		1000	101	997		1000	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-49074/6 09/16/2009 13:04				CCV 360-49074/13 09/16/2009 13:24				CCV 360-49074/22 09/16/2009 14:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	9940		10000	99	20000		20000	100	19900		20000	99
Mg	9830		10000	98	20000		20000	100	19900		20000	100
Na	9150		10000	92	20000		20000	100	19800		20000	99
Sn	987		1000	99	999		1000	100	1010		1000	101

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.: 360-24244-2

SDG No.: OCRI-04A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49074/25 09/16/2009 14:54				CCV 360-49074/37 09/16/2009 15:29				CCV 360-49074/49 09/16/2009 16:04			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	20000		20000	100	20300		20000	102	20300		20000	101
Mg	19900		20000	100	20300		20000	101	20300		20000	101
Na	19800		20000	99	20300		20000	101	20400		20000	102
Sn	994		1000	99	1010		1000	101	1010		1000	101

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.: 360-24244-2

SDG No.: OCRI-04A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-49074/60 09/16/2009 17:39				CCV 360-49074/65 09/16/2009 16:38				CCV 360-49074/67 09/16/2009 17:16			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	20200		20000	101	20300		20000	101	20000		20000	100
Mg	20200		20000	101	20200		20000	101	20000		20000	100
Na	20300		20000	102	20200		20000	101	20100		20000	100
Sn	1010		1000	101	1010		1000	101	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.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49074/8 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	105		105	70-130
Antimony	10.0	9.67	J	97	70-130
Arsenic	10.0	10.6		106	70-130
Barium	10.0	11.4		114	70-130
Beryllium	1.00	1.02		102	70-130
Cadmium	1.00	1.01		101	70-130
Calcium	400	421		105	70-130
Chromium	5.00	5.23		105	70-130
Cobalt	10.0	10.8		108	70-130
Copper	10.0	11.2		112	70-130
Iron	100	107		107	70-130
Lead	5.00	4.94	J	99	70-130
Magnesium	400	428		107	70-130
Nickel	10.0	10.7		107	70-130
Potassium	4000	3670	J	92	70-130
Selenium	10.0	11.8		118	70-130
Silver	5.00	4.46	J	89	70-130
Sodium	2000	2080		104	70-130
Thallium	10.0	11.7		117	70-130
Vanadium	10.0	10.3		103	70-130
Zinc	50.0	53.6		107	70-130
Tin	50.0	32.2	J	64	70-130

Lab Sample ID: CRI 360-49074/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	6.00	7.31	J	122	70-130
Arsenic	50.0	49.9		100	70-130
Barium	2000	2200		110	70-130
Beryllium	4.00	4.21		105	70-130
Cadmium	5.00	5.23		105	70-130
Chromium	100	108		108	70-130
Lead	15.0	16.7		112	70-130
Nickel	100	111		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.: 360-24244-2

SDG No.: OCRI-04A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-49074/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Selenium	50.0	50.2		100	70-130
Silver	7.00	7.20		103	70-130
Vanadium	50.0	52.3		105	70-130
Zinc	900	959		107	70-130

Lab Sample ID: CRI 360-49074/20 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Thallium	2.00	2.41	J	121	70-130

Lab Sample ID: CRI 360-49074/21 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Manganese	10.0	10.6		106	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.: 360-24244-2

SDG No.: OCRI-04A

Concentration Units: ug/L

Analyte	RL	ICB 360-49074/7 09/16/2009 13:07		CCB 360-49074/14 09/16/2009 13:27		CCB 360-49074/23 09/16/2009 14:16		CCB 360-49074/26 09/16/2009 14:57	
		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		10.6		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	3.92	J	ND		ND		ND	
Se	10	3.94	J	3.98	J	3.04	J	ND	
Sn	50	ND		ND		ND		ND	
Tl	10	ND		ND		ND		ND	
V	10	ND		ND		ND		ND	
Zn	50	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Concentration Units: ug/L

Analyte	RL	CCB 360-49074/38 09/16/2009 15:32		CCB 360-49074/50 09/16/2009 16:07		CCB 360-49074/61 09/16/2009 17:42		CCB 360-49074/66 09/16/2009 16:41	
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND		ND		ND	
Al	100	ND		ND		ND		ND	
As	10	ND		ND		ND		ND	
Ba	10	ND		ND		ND		ND	
Be	1.0	ND		ND		ND		ND	
Ca	400	ND		ND		ND		ND	
Cd	1.0	ND		ND		ND		ND	
Co	10	ND		ND		ND		ND	
Cr	5.0	ND		ND		ND		ND	
Cu	10	ND		ND		ND		ND	
Fe	100	ND		ND		ND		ND	
K	4000	ND		ND		ND		ND	
Mg	400	ND		ND		ND		ND	
Mn	10	ND		ND		ND		ND	
Na	2000	ND		ND		ND		ND	
Ni	10	ND		ND		ND		ND	
Pb	5.0	ND		ND		ND		ND	
Sb	10	ND		ND		ND		ND	
Se	10	3.28	J	3.41	J	2.67	J	3.11	J
Sn	50	ND		ND		ND		ND	
Tl	10	1.48	J	1.89	J	ND		ND	
V	10	ND		ND		ND		ND	
Zn	50	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Concentration Units: ug/L

Analyte	RL	CCB 360-49074/68 09/16/2009 17:18							
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND							
Al	100	ND							
As	10	ND							
Ba	10	ND							
Be	1.0	ND							
Ca	400	ND							
Cd	1.0	ND							
Co	10	ND							
Cr	5.0	ND							
Cu	10	ND							
Fe	100	ND							
K	4000	ND							
Mg	400	ND							
Mn	10	ND							
Na	2000	ND							
Ni	10	ND							
Pb	5.0	ND							
Sb	10	ND							
Se	10	3.41	J						
Sn	50	ND							
Tl	10	ND							
V	10	ND							
Zn	50	ND							

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Concentration Units: mg/Kg Lab Sample ID: MB 360-49006/1-A

Instrument Code: Varian ICP Batch No.: 49074

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	0.0673	J		6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-70-2	Calcium	9.28	J		6010B
7440-47-3	Chromium	0.0679	J		6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	1.06	J		6010B
7439-92-1	Lead	ND			6010B
7439-95-4	Magnesium	2.44	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	0.587	J		6010B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Lab Sample ID: ICSA 360-49074/10 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		**0.568**	
Al	**100000**	**114678**	**115**
As		**-0.325**	
Ba		**0.397**	
Be		**0.0042**	
Ca	**100000**	**110037**	**110**
Cd		**0.398**	
Co		**1.90**	
Cr		**0.373**	
Cu		**0.199**	
Fe	**40000**	**43831**	**110**
K		**2675**	
Mg	**100000**	**110973**	**111**
Mn		**3.22**	
Na		**63.6**	
Ni		**5.47**	
Pb		**-1.88**	
Sb		**-0.174**	
Se		**1.28**	
Sn		**0.694**	
Tl		**1.44**	
V		**1.52**	
Zn		**1.33**	
B		*5.63*	
Li		*1.51*	
Mo		*0.492*	
Si		*-1.67*	
Si		*-0.941*	
SiO2		*-3.58*	
Sr		*0.606*	
Ti		*1.60*	
Zr		*0.575*	

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.: 360-24244-2

SDG No.: OCRI-04A

Lab Sample ID: ICSAB 360-49074/11 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**	**614**	**102**
Al	**100000**	**111925**	**112**
As	**2000**	**1984**	**99**
Ba	**600**	**591**	**98**
Be	**200**	**194**	**97**
Ca	**100000**	**106565**	**107**
Cd	**600**	**577**	**96**
Co	**600**	**579**	**97**
Cr	**600**	**572**	**95**
Cu	**600**	**606**	**101**
Fe	**40000**	**42684**	**107**
K	**40000**	**43428**	**109**
Mg	**100000**	**106964**	**107**
Mn	**400**	**387**	**97**
Na		**-91.9**	
Ni	**600**	**583**	**97**
Pb	**2000**	**1888**	**94**
Sb		**952**	
Se	**1000**	**980**	**98**
Sn		**242**	
Tl	**2000**	**1898**	**95**
V	**600**	**591**	**98**
Zn	**600**	**560**	**93**
B		*4.91*	
Li		*1.49*	
Mo		*0.541*	
Si		*-0.848*	
Si		*0.239*	
SiO2		*-1.82*	
Sr		*0.627*	
Ti		*1.58*	
Zr		*2.32*	

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.: 360-24244-2

SDG No.: OCRI-04A

Lab Sample ID: ICSA 360-49074/62 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSA wk_00004

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Ag		**1.11**	
Al	**100000**	**115939**	**116**
As		**1.81**	
Ba		**0.351**	
Be		**0.0129**	
Ca	**100000**	**111144**	**111**
Cd		**0.478**	
Co		**1.78**	
Cr		**0.311**	
Cu		**0.241**	
Fe	**40000**	**44100**	**110**
K		**2255**	
Mg	**100000**	**111485**	**111**
Mn		**3.25**	
Na		**104**	
Ni		**5.56**	
Pb		**-1.13**	
Sb		**-1.29**	
Se		**-0.605**	
Sn		**1.08**	
Tl		**-0.0180**	
V		**1.11**	
Zn		**1.31**	
B		*10.9*	
Li		*1.43*	
Mo		*2.72*	
Si		*4.30*	
Si		*5.68*	
SiO2		*9.20*	
Sr		*0.622*	
Ti		*1.74*	
Zr		*0.952*	

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.: 360-24244-2

SDG No.: OCRI-04A

Lab Sample ID: ICSAB 360-49074/63 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSAB_00009

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Ag	**600**	**621**	**103**
Al	**100000**	**112999**	**113**
As	**2000**	**1988**	**99**
Ba	**600**	**596**	**99**
Be	**200**	**196**	**98**
Ca	**100000**	**107475**	**107**
Cd	**600**	**575**	**96**
Co	**600**	**580**	**97**
Cr	**600**	**575**	**96**
Cu	**600**	**611**	**102**
Fe	**40000**	**42941**	**107**
K	**40000**	**43771**	**109**
Mg	**100000**	**107322**	**107**
Mn	**400**	**389**	**97**
Na		**-6.87**	
Ni	**600**	**580**	**97**
Pb	**2000**	**1895**	**95**
Sb		**947**	
Se	**1000**	**982**	**98**
Sn		**245**	
Tl	**2000**	**1901**	**95**
V	**600**	**595**	**99**
Zn	**600**	**569**	**95**
B		*7.96*	
Li		*1.47*	
Mo		*1.06*	
Si		*3.00*	
Si		*5.12*	
SiO2		*6.41*	
Sr		*0.643*	
Ti		*1.72*	
Zr		*3.00*	

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: OC-SB-443-18/20-XXX MS
Lab ID: 360-24244-5 MS
Lab Name: TestAmerica Westfield
Job No.: 360-24244-2
SDG No.: OCRI-04A
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 92.1

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	8790		6900		337	550	75-125	4	6010B
Antimony	21.9		ND		67.5	32	75-125	F	6010B
Arsenic	67.8		4.5		67.5	94	75-125		6010B
Barium	108		42		67.5	98	75-125		6010B
Beryllium	61.9		0.12	J	67.5	92	75-125		6010B
Cadmium	60.2		0.31		67.5	89	75-125		6010B
Calcium	7590		4700		1350	211	75-125	F	6010B
Chromium	84.2		20		67.5	96	75-125		6010B
Cobalt	68.3		6.8		67.5	91	75-125		6010B
Copper	79.8		15		67.5	97	75-125		6010B
Iron	21400		21000		337	222	75-125	4	6010B
Lead	61.7		2.5		67.5	88	75-125		6010B
Magnesium	5160		3000		1350	157	75-125	F	6010B
Manganese	161		83		67.5	116	75-125		6010B
Nickel	70.2		9.3		67.5	90	75-125		6010B
Potassium	4050		2600		1350	106	75-125		6010B
Selenium	60.3		ND		67.5	89	75-125		6010B
Silver	63.8		2.2		67.5	91	75-125		6010B
Sodium	2090		800		1350	96	75-125		6010B
Thallium	54.6		ND		67.5	81	75-125		6010B
Vanadium	112		45		67.5	99	75-125		6010B
Zinc	71.8		11		67.5	90	75-125		6010B
Tin	60.3		6.1	J	67.5	80	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: OC-SB-443-18/20-XXX PDS Lab ID: 360-24244-5 PDS

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	7080		6900		342	NC	75-125		6010B
Antimony	61.9		ND		68.3	91	75-125		6010B
Arsenic	71.0		4.5		68.3	97	75-125		6010B
Barium	103		42		68.3	90	75-125		6010B
Beryllium	65.6		0.12	J	68.3	96	75-125		6010B
Cadmium	64.0		0.31		68.3	93	75-125		6010B
Calcium	6210		4700		1370	108	75-125		6010B
Chromium	85.0		20		68.3	96	75-125		6010B
Cobalt	70.8		6.8		68.3	94	75-125		6010B
Copper	81.9		15		68.3	98	75-125		6010B
Iron	20200		21000		342	NC	75-125		6010B
Lead	65.1		2.5		68.3	92	75-125		6010B
Magnesium	4320		3000		1370	94	75-125		6010B
Manganese	141		83		68.3	85	75-125		6010B
Nickel	72.4		9.3		68.3	92	75-125		6010B
Potassium	3930		2600		1370	96	75-125		6010B
Selenium	64.5		ND		68.3	94	75-125		6010B
Silver	67.7		2.2		68.3	96	75-125		6010B
Sodium	2010		800		1370	89	75-125		6010B
Thallium	58.9		ND		68.3	86	75-125		6010B
Vanadium	110		45		68.3	95	75-125		6010B
Zinc	73.7		11		68.3	92	75-125		6010B
Tin	65.3		6.1	J	68.3	87	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: OC-SB-443-18/20-XXX DU
Lab ID: 360-24244-5 DU
Lab Name: TestAmerica Westfield
Job No.: 360-24244-2
SDG No.: OCRI-04A
% Solids for Sample: 92.1
% Solids for Duplicate: 92.1
Matrix: Solid
Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	3.4	6900		8860		24		6010B
Antimony	0.68	ND		ND		NC		6010B
Arsenic	1.4	4.5		4.65		4		6010B
Barium	0.68	42		36.3		15		6010B
Beryllium	0.27	0.12	J	0.134	J	14		6010B
Cadmium	0.27	0.31		0.310		0		6010B
Calcium	14	4700		6570		32		6010B
Chromium	0.68	20		22.4		13		6010B
Cobalt	0.68	6.8		7.34		8		6010B
Copper	1.4	15		16.4		12		6010B
Iron	6.8	21000		22000		6		6010B
Lead	0.68	2.5		2.80		12		6010B
Magnesium	14	3000		3680		19		6010B
Manganese	1.4	83		101		19		6010B
Nickel	1.4	9.3		10.5		13		6010B
Potassium	270	2600		2550		3		6010B
Selenium	0.68	ND		ND		NC		6010B
Silver	0.68	2.2		2.30		6		6010B
Sodium	140	800		956		18		6010B
Thallium	1.4	ND		ND		NC		6010B
Vanadium	1.4	45		50.1		11		6010B
Zinc	3.4	11		12.6		13		6010B
Tin	6.8	6.1	J	7.07		14		6010B

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-49006/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	250	234		94	80	120		6010B
Antimony	50.0	44.2		88	80	120		6010B
Arsenic	50.0	47.2		94	80	120		6010B
Barium	50.0	48.3		97	80	120		6010B
Beryllium	50.0	48.3		97	80	120		6010B
Cadmium	50.0	47.3		95	80	120		6010B
Calcium	1000	975		98	80	120		6010B
Chromium	50.0	48.5		97	80	120		6010B
Cobalt	50.0	47.9		96	80	120		6010B
Copper	50.0	48.1		96	80	120		6010B
Iron	250	244		98	80	120		6010B
Lead	50.0	47.3		95	80	120		6010B
Magnesium	1000	936		94	80	120		6010B
Manganese	50.0	48.3		97	80	120		6010B
Nickel	50.0	47.6		95	80	120		6010B
Potassium	1000	918		92	80	120		6010B
Selenium	50.0	47.3		95	80	120		6010B
Silver	50.0	47.2		94	80	120		6010B
Sodium	1000	924		92	80	120		6010B
Thallium	50.0	46.5		93	80	120		6010B
Vanadium	50.0	48.5		97	80	120		6010B
Zinc	50.0	47.4		95	80	120		6010B
Tin	50.0	47.4		95	80	120		6010B

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 360-49006/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	236		250	94	80-120	1	30		6010B
Antimony	44.5		50.0	89	80-120	1	30		6010B
Arsenic	47.4		50.0	95	80-120	1	30		6010B
Barium	48.4		50.0	97	80-120	0	30		6010B
Beryllium	48.2		50.0	96	80-120	0	30		6010B
Cadmium	47.6		50.0	95	80-120	1	30		6010B
Calcium	979		1000	98	80-120	0	30		6010B
Chromium	48.6		50.0	97	80-120	0	30		6010B
Cobalt	48.1		50.0	96	80-120	1	30		6010B
Copper	48.2		50.0	96	80-120	0	30		6010B
Iron	245		250	98	80-120	0	30		6010B
Lead	47.6		50.0	95	80-120	1	30		6010B
Magnesium	943		1000	94	80-120	1	30		6010B
Manganese	48.5		50.0	97	80-120	0	30		6010B
Nickel	47.7		50.0	95	80-120	0	30		6010B
Potassium	916		1000	92	80-120	0	30		6010B
Selenium	47.7		50.0	95	80-120	1	30		6010B
Silver	47.5		50.0	95	80-120	1	30		6010B
Sodium	935		1000	94	80-120	1	30		6010B
Thallium	47.0		50.0	94	80-120	1	30		6010B
Vanadium	48.6		50.0	97	80-120	0	30		6010B
Zinc	47.6		50.0	95	80-120	0	30		6010B
Tin	47.7		50.0	95	80-120	1	30		6010B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 360-24244-5

SDG No: OCRI-04A

Lab Name: TestAmerica Westfield Job No: 360-24244-2

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	6900		6700		3.4		6010B
Antimony	ND		ND		NC		6010B
Arsenic	4.5		4.93	J	NC		6010B
Barium	42		46.7		11	V	6010B
Beryllium	0.12	J	ND		NC		6010B
Cadmium	0.31		0.336	J	NC		6010B
Calcium	4700		4630		2.2		6010B
Chromium	20		21.1		6.8		6010B
Cobalt	6.8		7.24		7.2		6010B
Copper	15		15.1		3.2		6010B
Iron	21000		22400		8.1		6010B
Lead	2.5		1.96	J	NC		6010B
Magnesium	3000		3260		7.6		6010B
Manganese	83		88.7		6.5		6010B
Nickel	9.3		9.92		7.2		6010B
Potassium	2600		2290		13	V	6010B
Selenium	ND		ND		NC		6010B
Silver	2.2		ND		NC		6010B
Sodium	800		756		NC		6010B
Thallium	ND		ND		NC		6010B
Vanadium	45		47.0		4.8		6010B
Zinc	11		12.0	J	NC		6010B
Tin	6.1	J	6.08	J	NC		6010B

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24244-2

SDG Number: OCRI-04A

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: 360-24244-2

SDG No.: OCRI-04A

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: 360-24244-2

SDG No.: OCRI-04A

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: 360-24244-2

SDG No.: OCRI-04A

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: 360-24244-2

SDG No.: OCRI-04A

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: 360-24244-2

SDG No.: OCRI-04A

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: 360-24244-2

SDG No.: OCRI-04A

ICP-AES Instrument ID: Varian ICP Date: 01/01/2009

Analyte	Wave Length	Pb	Pd	Pt	S	Sb	Sc	Se	Si	SiO2	Sn	Sr	Te	Th	Ti
Strontium	421.552														
Sulfur															
Thallium	190.794														
Thorium															
Tin	283.998														
Titanium	336.122														
Tungsten															
Uranium															
Vanadium	292.401														
Yttrium															
Zinc	202.548														
Zirconium	339.198														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24244-2

SDG No.: OCRI-04A

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: 360-24244-2

SDG No.: OCRI-04A

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: 360-24244-2

SDG No.: OCRI-04A

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.: 360-24244-2

SDG No.: OCRI-04A

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-49006/1-A	09/16/2009 07:50	49006	2.0		100
LCS 360-49006/2-A	09/16/2009 07:50	49006	2.0		100
LCSD 360-49006/3-A	09/16/2009 07:50	49006	2.0		100
360-24244-5	09/16/2009 07:50	49006	1.59		100
360-24244-5 DU	09/16/2009 07:50	49006	1.59		100
360-24244-5 MS	09/16/2009 07:50	49006	1.61		100
360-24244-8	09/16/2009 07:50	49006	1.57		100
360-24244-11	09/16/2009 07:50	49006	1.70		100

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/16/2009 12:49 End Date: 09/16/2009 17:50

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
ZZZZZZ			12:49																				
ZZZZZZ			12:52																				
ZZZZZZ			12:55																				
ZZZZZZ			12:58																				
ZZZZZZ			13:01																				
ICV 360-49074/6	1		13:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-49074/7	1		13:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-49074/8	1		13:10	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CRI 360-49074/9	1		13:13	X		X	X	X		X		X							X	X	X	X	
ICSA 360-49074/10	1		13:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49074/11	1		13:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:21																				
CCV 360-49074/13	1		13:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49074/14	1		13:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-49074/15			13:30																				
ICV 360-49074/16			13:33																				
ICV 360-49074/17			13:36																				
ICV 360-49074/18			13:46																				
CRI 360-49074/19			13:50																				
CRI 360-49074/20	1		13:53																				
CRI 360-49074/21	1		14:00														X						
CCV 360-49074/22	1		14:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49074/23	1		14:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 360-49006/1-A	1	T	14:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49074/25	1		14:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49074/26	1		14:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 360-49006/2-A	1	T	15:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 360-49006/3-A	1	T	15:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24244-5	1	T	15:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24244-5 DU	1	T	15:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24244-5 MS	1	T	15:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24244-5 SD	5	T	15:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24244-5 PDS	1	T	15:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24244-8	1	T	15:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24244-11	1	T	15:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:26																				
CCV 360-49074/37	1		15:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49074/38	1		15:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:35																				
ZZZZZZ			15:38																				
ZZZZZZ			15:41																				
ZZZZZZ			15:44																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/16/2009 12:49 End Date: 09/16/2009 17:50

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
ZZZZZZ			15:46																				
ZZZZZZ			15:49																				
ZZZZZZ			15:52																				
ZZZZZZ			15:55																				
ZZZZZZ			15:58																				
ZZZZZZ			16:01																				
CCV 360-49074/49	1		16:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49074/50	1		16:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:10																				
ZZZZZZ			16:12																				
ZZZZZZ			16:15																				
ZZZZZZ			16:18																				
ZZZZZZ			16:21																				
CCV 360-49074/65	1		16:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49074/66	1		16:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-49074/67	1		17:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49074/68	1		17:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:27																				
ZZZZZZ			17:30																				
ZZZZZZ			17:33																				
ZZZZZZ			17:36																				
CCV 360-49074/60	1		17:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-49074/61	1		17:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 360-49074/62	1		17:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-49074/63	1		17:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:50																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/16/2009 12:49 End Date: 09/16/2009 17:50

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			12:49																				
ZZZZZZ			12:52																				
ZZZZZZ			12:55																				
ZZZZZZ			12:58																				
ZZZZZZ			13:01																				
ICV 360-49074/6	1		13:04	X	X	X																	
ICB 360-49074/7	1		13:07	X	X	X																	
CRI 360-49074/8	1		13:10	X	X	X																	
CRI 360-49074/9	1		13:13		X	X																	
ICSA 360-49074/10	1		13:15	X	X	X																	
ICSAB 360-49074/11	1		13:18	X	X	X																	
ZZZZZZ			13:21																				
CCV 360-49074/13	1		13:24	X	X	X																	
CCB 360-49074/14	1		13:27	X	X	X																	
ICB 360-49074/15			13:30																				
ICV 360-49074/16			13:33																				
ICV 360-49074/17			13:36																				
ICV 360-49074/18			13:46																				
CRI 360-49074/19			13:50																				
CRI 360-49074/20	1		13:53	X																			
CRI 360-49074/21	1		14:00																				
CCV 360-49074/22	1		14:13	X	X	X																	
CCB 360-49074/23	1		14:16	X	X	X																	
MB 360-49006/1-A	1	T	14:51	X	X	X																	
CCV 360-49074/25	1		14:54	X	X	X																	
CCB 360-49074/26	1		14:57	X	X	X																	
LCS 360-49006/2-A	1	T	15:00	X	X	X																	
LCSD 360-49006/3-A	1	T	15:03	X	X	X																	
360-24244-5	1	T	15:06	X	X	X																	
360-24244-5 DU	1	T	15:08	X	X	X																	
360-24244-5 MS	1	T	15:11	X	X	X																	
360-24244-5 SD	5	T	15:14	X	X	X																	
360-24244-5 PDS	1	T	15:17	X	X	X																	
360-24244-8	1	T	15:20	X	X	X																	
360-24244-11	1	T	15:23	X	X	X																	
ZZZZZZ			15:26																				
CCV 360-49074/37	1		15:29	X	X	X																	
CCB 360-49074/38	1		15:32	X	X	X																	
ZZZZZZ			15:35																				
ZZZZZZ			15:38																				
ZZZZZZ			15:41																				
ZZZZZZ			15:44																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24244-2

SDG No.: OCRI-04A

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/16/2009 12:49 End Date: 09/16/2009 17:50

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			15:46																				
ZZZZZZ			15:49																				
ZZZZZZ			15:52																				
ZZZZZZ			15:55																				
ZZZZZZ			15:58																				
ZZZZZZ			16:01																				
CCV 360-49074/49	1		16:04	X	X	X																	
CCB 360-49074/50	1		16:07	X	X	X																	
ZZZZZZ			16:10																				
ZZZZZZ			16:12																				
ZZZZZZ			16:15																				
ZZZZZZ			16:18																				
ZZZZZZ			16:21																				
CCV 360-49074/65	1		16:38	X	X	X																	
CCB 360-49074/66	1		16:41	X	X	X																	
CCV 360-49074/67	1		17:16	X	X	X																	
CCB 360-49074/68	1		17:18	X	X	X																	
ZZZZZZ			17:27																				
ZZZZZZ			17:30																				
ZZZZZZ			17:33																				
ZZZZZZ			17:36																				
CCV 360-49074/60	1		17:39	X	X	X																	
CCB 360-49074/61	1		17:42	X	X	X																	
ICSA 360-49074/62	1		17:45	X	X	X																	
ICSAB 360-49074/63	1		17:47	X	X	X																	
ZZZZZZ			17:50																				

Prep Types
T = Total/NA

MET091609emn@720/725/730/735-ES@Quant@. All Data Report 9/17/2009, 11:42:42 AM

Blank (Blk) **9/16/2009, 12:49:50 PM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	0.764	304.3	0.250915
Al 237.312	0.000000	ug/L	3.714	32.8	11.3336
As 188.980	0.000000	ug/L	0.857	45.9	1.86417
B 249.678	0.000000	ug/L	5.235	9.0	58.1741
Ba 493.408	0.000000	ug/L	6.864	3.9	174.168
Be 313.042	0.000000	ug/L	1.775	1.0	177.096
Ca 373.690	0.000000	ug/L	0.599	1.9	31.8176
Cd 214.439	0.000000	ug/L	1.397	35.2	3.96675
Co 228.615	0.000000	ug/L	1.178	7.7	15.3778
Cr 267.716	0.000000	ug/L	3.264	13.2	24.6842
Cu 327.395	0.000000	ug/L	4.372	5.5	79.6804
Fe 273.955	0.000000	ug/L	3.078	7.9	39.1139
K 404.721	0.000000	ug/L	5.440	48.4	11.2333
Li 610.365	0.000000	ug/L	2.681	20.4	13.1494
Mg 279.078	0.000000	ug/L	1.763	10.4	16.9039
Mn 257.610	0.000000	ug/L	0.951	1.7	56.1547
Mo 202.032	0.000000	ug/L	0.150	1.6	9.48335
Na 330.237	0.000000	ug/L	5.485	28.1	19.4951
Ni 216.555	0.000000	ug/L	3.246	74.7	4.34328
Pb 220.353	0.000000	ug/L	0.327	4.8	6.87842
Sb 217.582	0.000000	ug/L	0.197	5.6	3.54156
Se 196.026	0.000000	ug/L	0.382	17.6	2.16782
Si 251.611	0.000000	ug/L	4.298	10.4	41.3118
Si 288.158	0.000000	ug/L	7.757	2.1	374.174
Sn 283.998	0.000000	ug/L	1.498	11.7	12.8042
Sr 421.552	0.000000	ug/L	4.045	9.4	43.0935
Ti 336.122	0.000000	ug/L	2.181	5.2	41.7290
Tl 190.794	0.000000	ug/L	0.173	14.0	1.23523
V 292.401	0.000000	ug/L	0.722	4.2	17.3893
Zn 202.548	0.000000	ug/L	0.617	1.2	50.0560
Zr 339.198	0.000000	ug/L	3.471	40.8	8.51147

Standard 1 (Std) **9/16/2009, 12:52:44 PM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	12.057	0.1	8670.43
Al 237.312	5000.00	ug/L	15.994	0.1	22423.1
As 188.980	1000.00	ug/L	3.655	0.3	1094.15
B 249.678	1000.00	ug/L	299.070	1.0	30071.4
Ba 493.408	1000.00	ug/L	3234.483	0.1	2507379
Be 313.042	1000.00	ug/L	5128.115	0.1	3430635
Ca 373.690	20000.0	ug/L	108.143	0.1	102024
Cd 214.439	1000.00	ug/L	30.348	0.1	39425.0
Co 228.615	1000.00	ug/L	12.511	0.1	9170.37
Cr 267.716	1000.00	ug/L	45.131	0.1	47832.7
Cu 327.395	1000.00	ug/L	48.188	0.1	67393.3
Fe 273.955	5000.00	ug/L	113.999	0.1	78360.5
K 404.721	20000.0	ug/L	4.599	1.6	281.919
Li 610.365	5000.00	ug/L	379.297	0.1	379925
Mg 279.078	20000.0	ug/L	67.882	0.1	91306.7
Mn 257.610	1000.00	ug/L	90.267	0.0	298256
Mo 202.032	1000.00	ug/L	21.861	0.2	9094.55
Na 330.237	20000.0	ug/L	4.621	0.2	2810.30

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	19.144	0.2	8381.09
Pb 220.353	1000.00	ug/L	3.893	0.1	5212.58
Sb 217.582	1000.00	ug/L	9.045	0.5	1914.55
Se 196.026	1000.00	ug/L	3.321	0.6	554.832
Si 251.611	1000.00	ug/L	26.554	0.5	5349.55
Si 288.158	1000.00	ug/L	69.944	0.6	12203.5
Sn 283.998	1000.00	ug/L	2.007	0.0	4609.65
Sr 421.552	1000.00	ug/L	6154.480	0.3	2444279
Ti 336.122	1000.00	ug/L	175.241	0.1	246461
Tl 190.794	1000.00	ug/L	0.350	0.0	796.532
V 292.401	1000.00	ug/L	59.300	0.1	39905.9
Zn 202.548	1000.00	ug/L	15.351	0.1	23444.2
Zr 339.198	1000.00	ug/L	207.599	0.3	59548.2

Standard 2 (Std) **9/16/2009, 12:55:38 PM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	27.074	0.0	105428
Ca 373.690	100000	ug/L	419.093	0.1	465104
Fe 273.955	25000.0	ug/L	397.107	0.1	357992
K 404.721	100000	ug/L	0.167	0.0	1756.16
Mg 279.078	100000	ug/L	237.212	0.1	431220
Na 330.237	100000	ug/L	3.916	0.0	16102.8

RB (ICV) **9/16/2009, 12:58:31 PM** **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	2.42416	ug/L	0.427971	17.7	21.2688	-
Al 237.312	0.199661uv	ug/L	1.25922	630.7	12.2418	-
As 188.980	2.34072	ug/L	0.614903	26.3	4.42091	-
B 249.678	5.33845	ug/L	0.429522	8.0	218.398	-
Ba 493.408	0.337177	ug/L	0.182866	54.2	1019.54	-
Be 313.042	0.254334	ug/L	0.169806	66.8	1049.58	-
Ca 373.690	4.84279	ug/L	2.95885	61.1	57.0573	-
Cd 214.439	0.246132	ug/L	0.140121	56.9	13.6695	-
Co 228.615	0.384448	ug/L	0.078067	20.3	18.8974	-
Cr 267.716	0.308029	ug/L	0.113307	36.8	39.4105	-
Cu 327.395	0.206083	ug/L	0.198094	96.1	93.5526	-
Fe 273.955	3.21643	ug/L	1.34422	41.8	90.5787	-
K 404.721	174.566uv	ug/L	326.636	187.1	13.4291	-
Li 610.365	-0.162134uv	ug/L	0.236217	145.7	0.830078	-
Mg 279.078	6.09453	ug/L	4.10838	67.4	45.1068	-
Mn 257.610	0.232210	ug/L	0.177155	76.3	125.400	-
Mo 202.032	2.27196	ug/L	0.969008	42.7	30.1243	-
Na 330.237	-76.8818uv	ug/L	4.45292	5.8	9.17627	-
Ni 216.555	0.112278	ug/L	0.111300	99.1	5.28380	-
Pb 220.353	0.003670uv	ug/L	0.046858	1276.9	6.89752	-
Sb 217.582	0.258887uv	ug/L	0.913086	352.7	4.03630	-
Se 196.026	7.40231	ug/L	3.45027	46.6	6.25882	-
Si 251.611	0.085788uv	ug/L	0.951263	1108.9	41.7672	-
Si 288.158	0.462263	ug/L	0.452069	97.8	379.643	-
Sn 283.998	-0.317362uv	ug/L	1.07602	339.1	11.3453	-
Sr 421.552	0.326157	ug/L	0.181765	55.7	840.297	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	0.057887	ug/L	0.002865	4.9	55.9934	-
Tl 190.794	1.14784	ug/L	0.244751	21.3	2.14810	-
V 292.401	0.513297	ug/L	0.098449	19.2	37.8639	-
Zn 202.548	0.105685	ug/L	0.143338	135.6	52.5284	-
Zr 339.198	0.326731	ug/L	0.093105	28.5	27.9650	-

IPC (ICV) **9/16/2009, 1:01:25 PM** **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	995.849	ug/L	0.294081	0.0	8634.45	99.58492
Al 237.312	4979.76	ug/L	0.662913	0.0	22333.7	99.59528
As 188.980	999.388	ug/L	1.30766	0.1	1093.48	99.93884
B 249.678	998.505	ug/L	8.34765	0.8	30026.5	99.85054
Ba 493.408	996.219	ug/L	1.58749	0.2	2497898	99.62185
Be 313.042	998.378	ug/L	1.67847	0.2	3425069	99.83775
Ca 373.690	19939.9	ug/L	8.31127	0.0	101724	99.69929
Cd 214.439	997.831	ug/L	2.87020	0.3	39339.5	99.78311
Co 228.615	996.968	ug/L	0.291060	0.0	9142.61	99.69676
Cr 267.716	997.456	ug/L	0.457047	0.0	47711.1	99.74561
Cu 327.395	995.552	ug/L	7.84326	0.8	67093.8	99.55521
Fe 273.955	4984.44	ug/L	6.14990	0.1	78122.0	99.68881
K 404.721	19879.1	ug/L	196.381	1.0	280.166	99.39551
Li 610.365	4987.10	ug/L	3.47097	0.1	378944	99.74194
Mg 279.078	19947.7	ug/L	36.4892	0.2	91071.5	99.73869
Mn 257.610	997.223	ug/L	0.691095	0.1	297428	99.72227
Mo 202.032	999.820	ug/L	1.59108	0.2	9092.91	99.98195
Na 330.237	19906.0	ug/L	44.8129	0.2	2796.69	99.53009
Ni 216.555	993.439	ug/L	2.94439	0.3	8326.12	99.34386
Pb 220.353	998.896	ug/L	3.09912	0.3	5206.83	99.88957
Sb 217.582	993.447	ug/L	1.26445	0.1	1902.03	99.34470
Se 196.026	996.498	ug/L	2.47600	0.2	552.896	99.64980
Si 251.611	997.537	ug/L	5.11056	0.5	5336.47	99.75365
Si 288.158	997.510	ug/L	4.60508	0.5	12174.0	99.75104
Sn 283.998	997.790	ug/L	1.44680	0.1	4599.48	99.77901
Sr 421.552	997.157	ug/L	0.130770	0.0	2437329	99.71569
Ti 336.122	998.013	ug/L	0.579185	0.1	245972	99.80134
Tl 190.794	1000.50	ug/L	0.896615	0.1	796.932	100.05030
V 292.401	997.258	ug/L	0.124426	0.0	39796.5	99.72577
Zn 202.548	998.604	ug/L	2.88462	0.3	23411.5	99.86042
Zr 339.198	1013.49	ug/L	1.99599	0.2	60351.7	101.34940

ICV (ICV) **9/16/2009, 1:04:19 PM** **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	987.229	ug/L	3.92715	0.4	8559.71	98.72293
Al 237.312	982.600	ug/L	5.32048	0.5	4468.13	98.25996
As 188.980	981.523	ug/L	3.31487	0.3	1073.97	98.15230
B 249.678	965.525	ug/L	5.25527	0.5	29036.7	96.55251
Ba 493.408	987.077	ug/L	3.68331	0.4	2474978	98.70770
Be 313.042	990.539	ug/L	4.98540	0.5	3398181	99.05395
Ca 373.690	9938.47	ug/L	18.6423	0.2	51275.2	99.38474

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	990.317	ug/L	3.01474	0.3	39043.3	99.03174
Co 228.615	993.318	ug/L	2.80611	0.3	9109.20	99.33180
Cr 267.716	979.450	ug/L	3.13874	0.3	46850.3	97.94496
Cu 327.395	985.607	ug/L	2.56986	0.3	66424.4	98.56067
Fe 273.955	977.714	ug/L	3.52483	0.4	15619.0	97.77144
K 404.721	9264.53	ug/L	52.3708	0.6	131.755	92.64531
Li 610.365	9941.86	ug/L	29.2303	0.3	755419	99.41856
Mg 279.078	9829.28	ug/L	31.8571	0.3	45198.1	98.29284
Mn 257.610	988.907	ug/L	3.86492	0.4	294948	98.89070
Mo 202.032	981.946	ug/L	6.74630	0.7	8930.53	98.19463
Na 330.237	9153.55	ug/L	15.8961	0.2	1270.36	91.53553
Ni 216.555	990.315	ug/L	2.93973	0.3	8299.96	99.03148
Pb 220.353	994.774	ug/L	5.81727	0.6	5185.38	99.47746
Sb 217.582	939.156	ug/L	3.75948	0.4	1798.28	93.91557
Se 196.026	991.077	ug/L	7.99237	0.8	549.901	99.10768
Si 251.611	554.251	ug/L	20.9446	3.8	2983.41	110.85020Q
Si 288.158	549.899	ug/L	21.6428	3.9	6879.11	109.97980
Sn 283.998	986.924	ug/L	3.03511	0.3	4549.54	98.69243
Sr 421.552	984.755	ug/L	3.64041	0.4	2407016	98.47550
Ti 336.122	971.493	ug/L	2.06940	0.2	239436	97.14927
Tl 190.794	986.071	ug/L	0.174187	0.0	785.454	98.60709
V 292.401	990.471	ug/L	3.42431	0.3	39525.8	99.04704
Zn 202.548	996.764	ug/L	3.32380	0.3	23368.5	99.67641
Zr 339.198	1025.98	ug/L	1.27947	0.1	61094.9	102.59760

ICB (ICB) **9/16/2009, 1:07:13 PM** **Rack 0, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.391088	ug/L	0.204169	52.2	3.64172	0.39109
Al 237.312	-1.81527uv	ug/L	0.689506	38.0	3.07629	-1.81527
As 188.980	0.242344uv	ug/L	0.928128	383.0	2.12888	0.24234
B 249.678	24.9961	ug/L	3.56361	14.3	808.386	24.99607
Ba 493.408	0.042183	ug/L	0.018450	43.7	279.929	0.04218
Be 313.042	0.041423	ug/L	0.020776	50.2	319.195	0.04142
Ca 373.690	-1.69637uv	ug/L	0.826860	48.7	22.9764	-1.69637
Cd 214.439	-0.009792uv	ug/L	0.025921	264.7	3.58073	-0.00979
Co 228.615	-0.025964uv	ug/L	0.163488	629.7	15.1401	-0.02596
Cr 267.716	-0.012584uv	ug/L	0.080613	640.6	24.0826	-0.01258
Cu 327.395	-0.209380uv	ug/L	0.043073	20.6	65.5863	-0.20938
Fe 273.955	0.059720uv	ug/L	0.103462	173.2	40.0695	0.05972
K 404.721	-90.7589uv	ug/L	77.2727	85.1	10.0938	-90.75887
Li 610.365	0.003290uv	ug/L	0.028155	855.7	13.3994	0.00329
Mg 279.078	0.386607	ug/L	0.252798	65.4	18.6929	0.38661
Mn 257.610	-0.031837uv	ug/L	0.040089	125.9	46.6611	-0.03184
Mo 202.032	12.0808	ug/L	2.23231	18.5	119.238	12.08082
Na 330.237	-49.2994uv	ug/L	9.94897	20.2	12.8783	-49.29943
Ni 216.555	0.097055uv	ug/L	0.174741	180.0	5.15628	0.09705
Pb 220.353	0.018367uv	ug/L	0.368791	2007.9	6.97403	0.01837
Sb 217.582	3.91783	ug/L	0.221573	5.7	11.0286	3.91783
Se 196.026	3.94096	ug/L	2.40878	61.1	4.34585	3.94096
Si 251.611	0.183086uv	ug/L	0.321543	175.6	42.2837	0.18309
Si 288.158	0.770264	ug/L	0.395314	51.3	383.286	0.77026
Sn 283.998	0.372424uv	ug/L	0.801063	215.1	14.5162	0.37242

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.040185	ug/L	0.022631	56.3	141.315	0.04018
Ti 336.122	0.413463	ug/L	0.241536	58.4	143.614	0.41346
Tl 190.794	1.13963	ug/L	0.719248	63.1	2.14157	1.13963
V 292.401	0.039469uv	ug/L	0.064741	164.0	18.9636	0.03947
Zn 202.548	-0.204997uv	ug/L	0.029833	14.6	45.2603	-0.20500
Zr 339.198	0.100373	ug/L	0.087619	87.3	14.4877	0.10037

CRI-RL (CRI) **9/16/2009, 1:10:06 PM** **Rack 0, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	4.45944	ug/L	0.975309	21.9	38.9150	89.18872
Al 237.312	104.633	ug/L	0.730429	0.7	487.139	104.63270
As 188.980	10.5530	ug/L	1.11225	10.5	13.3911	105.53020
B 249.678	21.4436	ug/L	0.713509	3.3	701.764	214.43581R
Ba 493.408	11.3620	ug/L	0.017038	0.1	28661.0	113.61980
Be 313.042	1.02462	ug/L	0.005143	0.5	3692.01	102.46210
Ca 373.690	421.498	ug/L	0.862283	0.2	2227.59	105.37440
Cd 214.439	1.01365	ug/L	0.093756	9.2	43.9258	101.36470
Co 228.615	10.8377	ug/L	0.036764	0.3	114.597	108.37720
Cr 267.716	5.23216	ug/L	0.061818	1.2	274.824	104.64330
Cu 327.395	11.2246	ug/L	0.019948	0.2	835.245	112.24560
Fe 273.955	106.954	ug/L	0.195572	0.2	1749.69	106.95390
K 404.721	3669.07	ug/L	281.648	7.7	57.9612	91.72679
Li 610.365	84.9899	ug/L	0.576094	0.7	6470.88	-R
Mg 279.078	428.147	ug/L	2.59785	0.6	1997.62	107.03680
Mn 257.610	13.5888	ug/L	0.005018	0.0	4108.32	135.88760R
Mo 202.032	13.1894	ug/L	0.784105	5.9	129.310	131.89371R
Na 330.237	2084.18	ug/L	3.07823	0.1	300.384	104.20920
Ni 216.555	10.6692	ug/L	0.153964	1.4	93.7160	106.69150
Pb 220.353	4.94013	ug/L	0.174368	3.5	32.5953	98.80264
Sb 217.582	9.67459	ug/L	0.861335	8.9	22.0298	96.74591
Se 196.026	11.7542	ug/L	0.561498	4.8	8.66393	117.54170
Si 251.611	99.5023	ug/L	0.137961	0.1	569.493	99.50230
Si 288.158	101.851	ug/L	0.135927	0.1	1579.00	101.85100
Sn 283.998	32.2357	ug/L	0.176415	0.5	160.986	64.47132R
Sr 421.552	22.3923	ug/L	0.001016	0.0	54775.1	111.96150
Ti 336.122	10.7313	ug/L	0.084451	0.8	2686.12	107.31280
Tl 190.794	11.6987	ug/L	0.635425	5.4	10.5392	116.98750
V 292.401	10.3268	ug/L	0.044185	0.4	429.309	103.26770
Zn 202.548	53.5598	ug/L	0.011987	0.0	1303.04	107.11960
Zr 339.198	10.2829	ug/L	0.007040	0.1	620.755	-R

CRI2-MCP (CRI) **9/16/2009, 1:13:01 PM** **Rack 0, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	7.19992	ug/L	1.15746	16.1	62.6755	102.85600
Al 237.312	-1.29331uv	ug/L	0.193781	15.0	5.45056	-
As 188.980	49.9276	ug/L	0.727003	1.5	56.3995	99.85513
B 249.678	7.82921	ug/L	0.560591	7.2	293.154	-
Ba 493.408	2201.94	ug/L	0.291233	0.0	5520897	110.09720
Be 313.042	4.20674	ug/L	0.002778	0.1	14608.1	105.16850

MET091609emn@720/725/730/735-ES@Quant@. All Data Report 9/17/2009, 11:42:42 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	13.0772	ug/L	0.946760	7.2	99.9727	-
Cd 214.439	5.22716	ug/L	0.020832	0.4	210.027	104.54330
Co 228.615	0.225317	ug/L	0.185414	82.3	17.4405	-
Cr 267.716	108.142	ug/L	0.086576	0.1	5194.73	108.14180
Cu 327.395	-0.139364uv	ug/L	0.037951	27.2	70.2993	-
Fe 273.955	-0.383495uv	ug/L	0.244291	63.7	32.9777	-
K 404.721	71.1484	ug/L	1.05813	1.5	12.1268	-
Li 610.365	0.138974	ug/L	0.046022	33.1	23.7090	-
Mg 279.078	0.808086	ug/L	0.208480	25.8	20.6434	-
Mn 257.610	-0.050535uv	ug/L	0.001336	2.6	41.0852	-
Mo 202.032	1.54888	ug/L	0.412390	26.6	23.5550	-
Na 330.237	-46.9156uv	ug/L	32.7834	69.9	13.1982	-
Ni 216.555	110.827	ug/L	0.088264	0.1	932.716	110.82740
Pb 220.353	16.7262	ug/L	0.418054	2.5	93.9498	111.50770
Sb 217.582	7.31008	ug/L	0.180097	2.5	17.5112	121.83470
Se 196.026	50.1866	ug/L	0.798621	1.6	29.9042	100.37320
Si 251.611	0.289956uv	ug/L	0.582718	201.0	42.8510	-
Si 288.158	0.245548uv	ug/L	0.640284	260.8	377.079	-
Sn 283.998	46.6363	ug/L	0.080124	0.2	227.184	-
Sr 421.552	0.007715	ug/L	0.003061	39.7	61.9507	-
Ti 336.122	0.084006	ug/L	0.096597	115.0	62.4297	-
Tl 190.794	3.85003	ug/L	0.199228	5.2	4.29714	192.50140R
V 292.401	52.3172	ug/L	0.026653	0.1	2104.24	104.63430
Zn 202.548	958.953	ug/L	1.54429	0.2	22483.9	106.55040
Zr 339.198	-0.040103uv	ug/L	0.000017	0.0	6.12378	-

Interf Check A (ICSA) **9/16/2009, 1:15:55 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	0.568192	ug/L	0.024889	4.4	5.17725	0.56819
Al 237.312	114678	ug/L	34.2008	0.0	4537894	678.39844K
As 188.980	-0.324670uv	ug/L	0.630886	194.3	1.50954	-0.32467
B 249.678	5.62632	ug/L	0.339415	6.0	227.038	5.62632
Ba 493.408	0.397138	ug/L	0.042990	10.8	1169.88	0.39714
Be 313.042	0.004232	ug/L	0.002127	50.2	191.615	0.00423
Ca 373.690	110037	ug/L	151.260	0.1	5061510	037.10156K
Cd 214.439	0.397635	ug/L	0.023438	5.9	19.6420	0.39764
Co 228.615	1.90471	ug/L	0.168056	8.8	32.8154	1.90471
Cr 267.716	0.372834	ug/L	0.064979	17.4	42.5087	0.37283
Cu 327.395	0.198599	ug/L	0.054749	27.6	93.0488	0.19860
Fe 273.955	43830.8	ug/L	1.69319	0.0	5959283	830.83984K
K 404.721	2675.30	ug/L	239.258	8.9	45.1748	2675.30298
Li 610.365	1.51154	ug/L	0.087064	5.8	128.000	1.51154
Mg 279.078	110973	ug/L	96.9123	0.1	4750730	972.79688K
Mn 257.610	3.21546	ug/L	0.026576	0.8	1015.01	3.21546
Mo 202.032	0.492284	ug/L	0.450829	91.6	13.9558	0.49228
Na 330.237	63.5743	ug/L	41.9089	65.9	28.0292	63.57427
Ni 216.555	5.46547	ug/L	0.325643	6.0	50.1261	5.46547
Pb 220.353	-1.88437uv	ug/L	0.286424	15.2	-2.93103	-1.88437
Sb 217.582	-0.174210uv	ug/L	0.631654	362.6	3.20865	-0.17421
Se 196.026	1.27927uv	ug/L	4.64523	363.1	2.87483	1.27927
Si 251.611	-1.67467uv	ug/L	1.34339	80.2	32.4223	-1.67467
Si 288.158	-0.941120uv	ug/L	0.452186	48.0	363.042	-0.94112

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 283.998	0.693942	ug/L	0.281436	40.6	15.9941	0.69394
Sr 421.552	0.606418	ug/L	0.001282	0.2	1525.32	0.60642
Ti 336.122	1.59598	ug/L	0.035006	2.2	435.009	1.59598
Tl 190.794	1.43971	ug/L	1.11955	77.8	2.38022	1.43971
V 292.401	1.51518	ug/L	0.044313	2.9	77.8275	1.51518
Zn 202.548	1.33303	ug/L	0.306415	23.0	81.2411	1.33303
Zr 339.198	0.574725	ug/L	0.001838	0.3	42.7305	0.57473

Interf Check AB (ICSAB) **9/16/2009, 1:18:50 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	614.491	ug/L	1.62560	0.3	5328.00	102.41510
Al 237.312	111925	ug/L	381.307	0.3	443094	111.92530
As 188.980	1984.47	ug/L	4.66188	0.2	2169.48	99.22334
B 249.678	4.91262	ug/L	0.251836	5.1	205.618	-
Ba 493.408	590.510	ug/L	1.74364	0.3	1480704	98.41831
Be 313.042	194.107	ug/L	0.446743	0.2	666053	97.05347
Ca 373.690	106565	ug/L	639.390	0.6	491952	106.56510
Cd 214.439	576.638	ug/L	0.325155	0.1	22735.7	96.10635
Co 228.615	579.278	ug/L	0.369867	0.1	5318.66	96.54632
Cr 267.716	572.185	ug/L	0.820009	0.1	27379.7	95.36422
Cu 327.395	606.052	ug/L	3.21892	0.5	40875.2	101.00860
Fe 273.955	42684.1	ug/L	56.3365	0.1	581438	106.71010
K 404.721	43428.2	ug/L	90.2500	0.2	648.794	108.57050
Li 610.365	1.48763	ug/L	0.015577	1.0	126.183	-
Mg 279.078	106964	ug/L	214.298	0.2	459054	106.96440
Mn 257.610	387.170	ug/L	0.412659	0.1	115510	96.79250
Mo 202.032	0.541403	ug/L	0.470689	86.9	14.4020	-
Na 330.237	-91.8904uv	ug/L	5.94752	6.5	7.16187	-
Ni 216.555	582.983	ug/L	0.046870	0.0	4887.84	97.16379
Pb 220.353	1888.39	ug/L	4.75389	0.3	9837.25	94.41925
Sb 217.582	952.494	ug/L	0.866448	0.1	1823.76	95.24935
Se 196.026	979.794	ug/L	3.55331	0.4	543.665	97.97942
Si 251.611	-0.848395uv	ug/L	1.26591	149.2	36.8083	-
Si 288.158	0.239459uv	ug/L	1.36845	571.5	377.007	-
Sn 283.998	241.979	ug/L	0.844674	0.3	1125.15	-
Sr 421.552	0.627387	ug/L	0.003682	0.6	1576.57	-
Ti 336.122	1.58268	ug/L	0.063201	4.0	431.732	-
Tl 190.794	1898.46	ug/L	2.79580	0.1	1511.07	94.92281
V 292.401	590.769	ug/L	1.22553	0.2	23582.3	98.46158
Zn 202.548	559.884	ug/L	2.23582	0.4	13148.1	93.31400
Zr 339.198	2.32273	ug/L	0.119951	5.2	146.806	-

RB (ICSAB) **9/16/2009, 1:21:44 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	0.018683uv	ug/L	0.085031	455.1	0.412903	-
Al 237.312	1.45923	ug/L	0.857733	58.8	17.9713	-
As 188.980	1.11179	ug/L	0.965023	86.8	3.07857	-
B 249.678	2.52293	ug/L	0.375534	14.9	133.895	-
Ba 493.408	-0.001638uv	ug/L	0.001586	96.8	170.061	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	0.000364uv	ug/L	0.001183	325.4	178.343	-
Ca 373.690	-1.18055uv	ug/L	0.634910	53.8	25.6648	-
Cd 214.439	-0.055089uv	ug/L	0.022949	41.7	1.79507	-
Co 228.615	0.052013uv	ug/L	0.088624	170.4	15.8540	-
Cr 267.716	-0.032440uv	ug/L	0.032275	99.5	23.1333	-
Cu 327.395	-0.161742uv	ug/L	0.007966	4.9	68.7930	-
Fe 273.955	3.10258	ug/L	0.897478	28.9	88.7571	-
K 404.721	-352.341uv	ug/L	210.245	59.7	6.80945	-
Li 610.365	0.071833	ug/L	0.049548	69.0	18.6074	-
Mg 279.078	1.65830	ug/L	0.867179	52.3	24.5778	-
Mn 257.610	-0.108985uv	ug/L	0.001283	1.2	23.6555	-
Mo 202.032	0.135413	ug/L	0.105363	77.8	10.7136	-
Na 330.237	-37.3486uv	ug/L	9.02031	24.2	14.4823	-
Ni 216.555	-0.098760uv	ug/L	0.444874	450.5	3.51599	-
Pb 220.353	-0.060593uv	ug/L	0.296836	489.9	6.56299	-
Sb 217.582	-0.028545uv	ug/L	0.560413	1963.2	3.48702	-
Se 196.026	2.48862	ug/L	0.183232	7.4	3.54319	-
Si 251.611	-0.012614uv	ug/L	0.554708	4397.7	41.2449	-
Si 288.158	0.118249uv	ug/L	0.934405	790.2	375.573	-
Sn 283.998	-0.333202uv	ug/L	0.977458	293.4	11.2725	-
Sr 421.552	-0.004598uv	ug/L	0.004229	92.0	31.8555	-
Ti 336.122	-0.018125uv	ug/L	0.032232	177.8	37.2627	-
Tl 190.794	0.678005	ug/L	0.892156	131.6	1.77444	-
V 292.401	-0.013256uv	ug/L	0.055875	421.5	16.8605	-
Zn 202.548	-0.318423uv	ug/L	0.040238	12.6	42.6068	-
Zr 339.198	-0.100246uv	ug/L	0.014025	14.0	2.54285	-

CCV (CCV) **9/16/2009, 1:24:38 PM** **Rack 4, Tube 2**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	997.864	ug/L	2.10932	0.2	8651.92	99.78642
Al 237.312	4995.60	ug/L	24.2502	0.5	22403.6	99.91193
As 188.980	1000.25	ug/L	0.550140	0.1	1094.42	100.02470
B 249.678	991.786	ug/L	11.0249	1.1	29824.8	99.17860
Ba 493.408	999.896	ug/L	2.42623	0.2	2507120	99.98965
Be 313.042	1000.56	ug/L	4.85458	0.5	3432560	100.05610
Ca 373.690	20007.0	ug/L	62.2793	0.3	102059	100.03520
Cd 214.439	999.567	ug/L	3.75987	0.4	39408.0	99.95674
Co 228.615	999.751	ug/L	3.70761	0.4	9168.09	99.97508
Cr 267.716	999.854	ug/L	3.38103	0.3	47825.7	99.98537
Cu 327.395	1000.45	ug/L	4.02344	0.4	67423.8	100.04530
Fe 273.955	4999.43	ug/L	22.1105	0.4	78351.7	99.98862
K 404.721	20396.9	ug/L	346.812	1.7	287.690	101.98460
Li 610.365	5007.07	ug/L	12.6568	0.3	380462	100.14130
Mg 279.078	19990.8	ug/L	87.6357	0.4	91265.1	99.95383
Mn 257.610	999.395	ug/L	4.32801	0.4	298076	99.93946
Mo 202.032	1001.54	ug/L	4.30833	0.4	9108.53	100.15380
Na 330.237	20031.9	ug/L	74.0805	0.4	2814.92	100.15940
Ni 216.555	999.748	ug/L	0.507758	0.1	8378.98	99.97484
Pb 220.353	1001.39	ug/L	3.56523	0.4	5219.80	100.13870
Sb 217.582	995.390	ug/L	4.32205	0.4	1905.74	99.53901
Se 196.026	1000.18	ug/L	6.41506	0.6	554.932	100.01810
Si 251.611	998.764	ug/L	10.7357	1.1	5342.98	99.87637

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	999.384	ug/L	9.18281	0.9	12196.2	99.93836
Sn 283.998	998.749	ug/L	6.31334	0.6	4603.89	99.87488
Sr 421.552	998.887	ug/L	3.75448	0.4	2441559	99.88872
Ti 336.122	999.686	ug/L	6.68981	0.7	246384	99.96861
Tl 190.794	1000.22	ug/L	2.50789	0.3	796.704	100.02160
V 292.401	999.926	ug/L	3.80998	0.4	39903.0	99.99264
Zn 202.548	1000.80	ug/L	4.22162	0.4	23462.9	100.08000
Zr 339.198	991.276	ug/L	7.41202	0.7	59028.8	99.12765

CCB (CCB) **9/16/2009, 1:27:32 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	0.206424uv	ug/L	0.349043	169.1	2.04065	0.20642
Al 237.312	-0.893232uv	ug/L	0.566258	63.4	7.27045	-0.89323
As 188.980	1.51984	ug/L	0.490880	32.3	3.52427	1.51984
B 249.678	16.4623	ug/L	2.10414	12.8	552.260	16.46230
Ba 493.408	0.002346	ug/L	0.001875	79.9	180.049	0.00235
Be 313.042	-0.031490uv	ug/L	0.000307	1.0	69.0727	-0.03149
Ca 373.690	-1.20327uv	ug/L	0.236501	19.7	25.5464	-1.20327
Cd 214.439	-0.029880uv	ug/L	0.032398	108.4	2.78886	-0.02988
Co 228.615	-0.005563uv	ug/L	0.199165	3579.9	15.3268	-0.00556
Cr 267.716	-0.065801uv	ug/L	0.000977	1.5	21.5384	-0.06580
Cu 327.395	-0.025613uv	ug/L	0.081370	317.7	77.9563	-0.02561
Fe 273.955	0.559807	ug/L	0.565705	101.1	48.0713	0.55981
K 404.721	160.235	ug/L	196.319	122.5	13.2473	160.23520
Li 610.365	0.082564	ug/L	0.018776	22.7	19.4228	0.08256
Mg 279.078	-0.455547uv	ug/L	0.086212	18.9	14.7958	-0.45555
Mn 257.610	-0.055016uv	ug/L	0.002693	4.9	39.7491	-0.05502
Mo 202.032	10.5061	ug/L	1.82518	17.4	104.932	10.50609
Na 330.237	-89.7121uv	ug/L	26.4410	29.5	7.45422	-89.71214
Ni 216.555	-0.083173uv	ug/L	0.030138	36.2	3.64656	-0.08317
Pb 220.353	-0.062147uv	ug/L	0.526876	847.8	6.55490	-0.06215
Sb 217.582	2.05665	ug/L	0.899016	43.7	7.47185	2.05665
Se 196.026	3.97730	ug/L	1.80899	45.5	4.36594	3.97730
Si 251.611	-0.105692uv	ug/L	0.921978	872.3	40.7508	-0.10569
Si 288.158	0.085568uv	ug/L	0.776954	908.0	375.187	0.08557
Sn 283.998	0.623053	ug/L	0.321676	51.6	15.6683	0.62305
Sr 421.552	0.002675	ug/L	0.000358	13.4	49.6326	0.00268
Ti 336.122	0.283453	ug/L	0.144115	50.8	111.577	0.28345
Tl 190.794	1.16559	ug/L	0.658645	56.5	2.16221	1.16559
V 292.401	0.008471uv	ug/L	0.015191	179.3	17.7272	0.00847
Zn 202.548	-0.323209uv	ug/L	0.026485	8.2	42.4948	-0.32321
Zr 339.198	0.649149	ug/L	0.146145	22.5	47.1616	0.64915

ICB RR (Samp) **9/16/2009, 1:30:25 PM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.662531	ug/L	0.401598	60.6	5.99518
Al 237.312	-0.938021uv	ug/L	0.634912	67.7	7.06671
As 188.980	0.166147uv	ug/L	0.437648	263.4	2.04565
B 249.678	7.43790	ug/L	0.448420	6.0	281.409

MET091609emn@720/725/730/735-ES@Quant@. All Data Report 9/17/2009, 11:42:42 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	-0.006657uv	ug/L	0.003620	54.4	157.479
Be 313.042	0.000430uv	ug/L	0.002885	670.5	178.572
Ca 373.690	-1.47372uv	ug/L	0.515963	35.0	24.1368
Cd 214.439	-0.020001uv	ug/L	0.027651	138.2	3.17830
Co 228.615	0.007205uv	ug/L	0.074619	1035.6	15.4437
Cr 267.716	-0.042382uv	ug/L	0.105977	250.1	22.6580
Cu 327.395	-0.310005uv	ug/L	0.012810	4.1	58.8129
Fe 273.955	-0.565622uv	ug/L	0.256364	45.3	30.0635
K 404.721	-28.7756uv	ug/L	125.331	435.5	10.8721
Li 610.365	0.004486uv	ug/L	0.068670	1530.9	13.4902
Mg 279.078	-0.403805uv	ug/L	1.10425	273.5	15.0352
Mn 257.610	-0.097827uv	ug/L	0.002383	2.4	26.9828
Mo 202.032	2.50794	ug/L	0.782807	31.2	32.2681
Na 330.237	-92.1505uv	ug/L	3.19756	3.5	7.12695
Ni 216.555	-0.212192uv	ug/L	0.127099	59.9	2.56580
Pb 220.353	0.222751uv	ug/L	0.366204	164.4	8.03799
Sb 217.582	-0.516465uv	ug/L	1.00395	194.4	2.55460
Se 196.026	1.78358	ug/L	0.224210	12.6	3.15354
Si 251.611	0.339490uv	ug/L	0.532927	157.0	43.1139
Si 288.158	-0.243886uv	ug/L	1.30425	534.8	371.289
Sn 283.998	0.030167uv	ug/L	0.428726	1421.2	12.9429
Sr 421.552	-0.001925uv	ug/L	0.002324	120.7	38.3884
Ti 336.122	0.067481	ug/L	0.052410	77.7	58.3577
Tl 190.794	0.309815uv	ug/L	0.515102	166.3	1.48162
V 292.401	-0.058794uv	ug/L	0.158128	269.0	15.0441
Zn 202.548	-0.380408uv	ug/L	0.021240	5.6	41.1567
Zr 339.198	0.229429	ug/L	0.016405	7.2	22.1716

ICVNa K Mg Ca 75ppm (Samp) 9/16/2009, 1:33:20 PM Rack 1, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.364915	ug/L	0.202656	55.5	3.41479
Al 237.312	4.26002	ug/L	1.17050	27.5	30.7112
As 188.980	-0.046173uv	ug/L	1.32758	2875.2	1.81374
B 249.678	5.29544	ug/L	0.121639	2.3	217.107
Ba 493.408	0.278395	ug/L	0.002805	1.0	872.162
Be 313.042	0.057596	ug/L	0.005669	9.8	374.676
Ca 373.690	81496.1	ug/L	298.968	0.4	387508
Cd 214.439	0.042653	ug/L	0.049739	116.6	5.64818
Co 228.615	0.438575	ug/L	0.103743	23.7	19.3929
Cr 267.716	0.167160	ug/L	0.048022	28.7	32.6758
Cu 327.395	0.660342	ug/L	0.052728	8.0	124.130
Fe 273.955	4.26896	ug/L	0.064661	1.5	107.420
K 404.721	79284.4	ug/L	326.512	0.4	1314.31
Li 610.365	1.25957	ug/L	0.038697	3.1	108.854
Mg 279.078	79052.0	ug/L	180.362	0.2	346118
Mn 257.610	2.58832	ug/L	0.018257	0.7	827.990
Mo 202.032	1.20235	ug/L	0.488631	40.6	20.4067
Na 330.237	79220.3	ug/L	153.580	0.2	12322.6
Ni 216.555	1.30532	ug/L	0.275497	21.1	15.2776
Pb 220.353	-0.031944uv	ug/L	0.523344	1638.3	6.71213
Sb 217.582	1.93311	ug/L	2.24075	115.9	7.23575
Se 196.026	1.16244	ug/L	0.024657	2.1	2.81027

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	5.88752	ug/L	0.033693	0.6	72.5641
Si 288.158	3.33086	ug/L	0.744293	22.3	413.576
Sn 283.998	-0.711522uv	ug/L	0.230812	32.4	9.53345
Sr 421.552	0.527713	ug/L	0.004840	0.9	1332.95
Ti 336.122	1.39902	ug/L	0.003867	0.3	386.474
Tl 190.794	-0.137292uv	ug/L	0.730244	531.9	1.12604
V 292.401	1.05075	ug/L	0.164162	15.6	59.3021
Zn 202.548	-0.699839uv	ug/L	1.23260	176.1	33.6839
Zr 339.198	0.519654	ug/L	0.039389	7.6	39.4515

ICV Sb 1ppm (Samp) **9/16/2009, 1:36:14 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.519084	ug/L	0.187125	36.0	4.75146
Al 237.312	0.525917	ug/L	0.585368	111.3	13.7258
As 188.980	0.401991	ug/L	0.277018	68.9	2.30326
B 249.678	3.15286	ug/L	0.006773	0.2	152.802
Ba 493.408	0.017025	ug/L	0.004455	26.2	216.852
Be 313.042	0.011633	ug/L	0.005031	43.2	217.003
Ca 373.690	6.43748	ug/L	1.64149	25.5	65.3684
Cd 214.439	-0.027431uv	ug/L	0.024605	89.7	2.88541
Co 228.615	0.008499uv	ug/L	0.062946	740.7	15.4556
Cr 267.716	-0.013664uv	ug/L	0.072803	532.8	24.0309
Cu 327.395	0.149063	ug/L	0.016834	11.3	89.7144
Fe 273.955	0.568977	ug/L	0.031450	5.5	48.2180
K 404.721	262.951	ug/L	259.692	98.8	14.5398
Li 610.365	0.092705	ug/L	0.042060	45.4	20.1934
Mg 279.078	3.80512	ug/L	2.10135	55.2	34.5124
Mn 257.610	0.366034	ug/L	0.016676	4.6	165.306
Mo 202.032	0.591969	ug/L	0.226819	38.3	14.8614
Na 330.237	-35.2368uv	ug/L	6.05427	17.2	14.7657
Ni 216.555	0.188281uv	ug/L	0.649933	345.2	5.92046
Pb 220.353	-0.478543uv	ug/L	0.090865	19.0	4.38727
Sb 217.582	1020.84	ug/L	0.912843	0.1	1954.37
Se 196.026	2.38069	ug/L	0.357347	15.0	3.48354
Si 251.611	2.48710	ug/L	1.11362	44.8	54.5140
Si 288.158	2.49203	ug/L	1.19279	47.9	403.653
Sn 283.998	0.408247	ug/L	0.195529	47.9	14.6809
Sr 421.552	0.014562	ug/L	0.002185	15.0	78.6868
Ti 336.122	0.011250	ug/L	0.002322	20.6	44.5012
Tl 190.794	0.548589uv	ug/L	1.17644	214.4	1.67152
V 292.401	-0.073797uv	ug/L	0.019309	26.2	14.4456
Zn 202.548	-0.641356uv	ug/L	0.099270	15.5	35.0521
Zr 339.198	16.6395	ug/L	1.48850	8.9	999.223

ICVNa K Mg Ca 75ppm (Samp) **9/16/2009, 1:46:47 PM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.106672uv	ug/L	0.369312	346.2	1.17578
Al 237.312	4.40109	ug/L	1.41326	32.1	31.3528
As 188.980	-0.866681uv	ug/L	0.414924	47.9	0.917503

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	1.13672	ug/L	0.117705	10.4	92.2908
Ba 493.408	0.310802	ug/L	0.006710	2.2	953.411
Be 313.042	0.057790	ug/L	0.003648	6.3	375.343
Ca 373.690	80650.9	ug/L	126.180	0.2	383872
Cd 214.439	0.034598	ug/L	0.047854	138.3	5.33064
Co 228.615	0.445130	ug/L	0.212139	47.7	19.4529
Cr 267.716	0.131472	ug/L	0.128684	97.9	30.9696
Cu 327.395	1.60491	ug/L	0.178949	11.2	187.712
Fe 273.955	6.32618	ug/L	0.338492	5.4	140.335
K 404.721	78250.3	ug/L	375.341	0.5	1293.36
Li 610.365	1.33346	ug/L	0.072087	5.4	114.469
Mg 279.078	79064.9	ug/L	163.325	0.2	346171
Mn 257.610	4.18124	ug/L	0.011497	0.3	1303.00
Mo 202.032	0.079457	ug/L	0.107748	135.6	10.2052
Na 330.237	78895.2	ug/L	436.174	0.6	12265.3
Ni 216.555	1.35175	ug/L	0.125532	9.3	15.6665
Pb 220.353	0.440988	ug/L	0.580590	131.7	9.17407
Sb 217.582	1.45745	ug/L	1.09182	74.9	6.32677
Se 196.026	-0.601501uv	ug/L	2.16804	360.4	1.83540
Si 251.611	4.64782	ug/L	0.235873	5.1	65.9836
Si 288.158	2.43937	ug/L	0.293946	12.1	403.030
Sn 283.998	-0.612125uv	ug/L	0.832628	136.0	9.99036
Sr 421.552	0.544301	ug/L	0.002439	0.4	1373.49
Ti 336.122	1.59491	ug/L	0.262668	16.5	434.747
Tl 190.794	2.52600	ug/L	2.25302	89.2	3.24415
V 292.401	1.17670	ug/L	0.010448	0.9	64.3262
Zn 202.548	0.843929	ug/L	0.909259	107.7	69.7990
Zr 339.198	0.310504	ug/L	0.072927	23.5	26.9988

CRI RL B Mn Mo (Samp) **9/16/2009, 1:50:25 PM** **Rack 1, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.60895	ug/L	0.565527	12.3	40.2114
Al 237.312	103.754	ug/L	0.207910	0.2	483.146
As 188.980	9.78625	ug/L	1.03472	10.6	12.5536
B 249.678	9.89432	ug/L	0.112548	1.1	355.134
Ba 493.408	11.3619	ug/L	0.000607	0.0	28660.8
Be 313.042	1.03159	ug/L	0.001857	0.2	3715.94
Ca 373.690	422.916	ug/L	0.575236	0.1	2234.98
Cd 214.439	1.03755	ug/L	0.014594	1.4	44.8682
Co 228.615	10.8373	ug/L	0.025865	0.2	114.593
Cr 267.716	5.20120	ug/L	0.050458	1.0	273.343
Cu 327.395	11.0727	ug/L	0.146596	1.3	825.026
Fe 273.955	106.611	ug/L	0.854940	0.8	1744.21
K 404.721	3506.65	ug/L	436.805	12.5	55.8675
Li 610.365	85.0625	ug/L	0.033664	0.0	6476.40
Mg 279.078	429.517	ug/L	2.38843	0.6	2003.96
Mn 257.610	13.6044	ug/L	0.010510	0.1	4112.98
Mo 202.032	9.66126	ug/L	0.157960	1.6	97.2565
Na 330.237	2027.90	ug/L	62.1866	3.1	292.769
Ni 216.555	10.9918	ug/L	0.009859	0.1	96.4186
Pb 220.353	5.42812	ug/L	0.641692	11.8	35.1356
Sb 217.582	9.29700	ug/L	1.82163	19.6	21.3082

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Se 196.026	10.6131	ug/L	1.16257	11.0	8.03331
Si 251.611	99.2768	ug/L	0.076040	0.1	568.297
Si 288.158	101.004	ug/L	1.21089	1.2	1568.98
Sn 283.998	31.4097	ug/L	0.423938	1.3	157.189
Sr 421.552	22.3691	ug/L	0.006726	0.0	54718.4
Ti 336.122	10.5081	ug/L	0.058782	0.6	2631.12
Tl 190.794	10.7058	ug/L	0.602682	5.6	9.74952
V 292.401	10.2612	ug/L	0.093738	0.9	426.695
Zn 202.548	53.7533	ug/L	0.368799	0.7	1307.57
Zr 339.198	11.2978	ug/L	0.390216	3.5	681.177

CRI-MCP Tl (Samp) **9/16/2009, 1:53:18 PM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	7.57487	ug/L	0.251488	3.3	65.9265
Al 237.312	-0.895822uv	ug/L	0.218715	24.4	7.25867
As 188.980	49.1356	ug/L	0.571109	1.2	55.5344
B 249.678	0.253423	ug/L	0.082109	32.4	65.7802
Ba 493.408	2195.91	ug/L	3.22497	0.1	5505777
Be 313.042	4.20521	ug/L	0.002804	0.1	14602.9
Ca 373.690	15.1591	ug/L	0.761797	5.0	110.823
Cd 214.439	5.18449	ug/L	0.010550	0.2	208.345
Co 228.615	0.139668	ug/L	0.078845	56.5	16.6564
Cr 267.716	107.873	ug/L	0.100386	0.1	5181.90
Cu 327.395	-0.089262uv	ug/L	0.123486	138.3	73.6719
Fe 273.955	-0.556735uv	ug/L	0.107497	19.3	30.2057
K 404.721	418.967	ug/L	64.0153	15.3	16.5023
Li 610.365	0.071588	ug/L	0.014486	20.2	18.5889
Mg 279.078	1.07555	ug/L	0.260428	24.2	21.8811
Mn 257.610	-0.046308uv	ug/L	0.000850	1.8	42.3458
Mo 202.032	-0.017751uv	ug/L	0.334275	1883.1	9.32207
Na 330.237	-18.8350uv	ug/L	43.6376	231.7	16.9672
Ni 216.555	110.495	ug/L	0.380673	0.3	929.933
Pb 220.353	17.0464	ug/L	0.673544	4.0	95.6166
Sb 217.582	6.38790	ug/L	0.051209	0.8	15.7489
Se 196.026	53.9229	ug/L	0.926351	1.7	31.9691
Si 251.611	-0.216488uv	ug/L	0.928124	428.7	40.1627
Si 288.158	-0.338463uv	ug/L	0.432032	127.6	370.171
Sn 283.998	46.1709	ug/L	0.133826	0.3	225.044
Sr 421.552	0.014448	ug/L	0.001192	8.2	78.4087
Ti 336.122	-0.045623uv	ug/L	0.043123	94.5	30.4866
Tl 190.794	2.41102	ug/L	0.439664	18.2	3.15270
V 292.401	52.2813	ug/L	0.114693	0.2	2102.81
Zn 202.548	955.740	ug/L	3.76893	0.4	22408.8
Zr 339.198	-0.001905uv	ug/L	0.007014	368.2	8.39807

CRI RL Mn (Samp) **9/16/2009, 2:00:31 PM** **Rack 1, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	3.83199	ug/L	0.385022	10.0	33.4750
Al 237.312	103.032	ug/L	0.222303	0.2	479.862

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	8.87820	ug/L	1.63264	18.4	11.5617
B 249.678	8.99004	ug/L	0.057536	0.6	327.994
Ba 493.408	11.2153	ug/L	0.006021	0.1	28293.3
Be 313.042	1.00803	ug/L	0.000433	0.0	3635.09
Ca 373.690	413.715	ug/L	1.03114	0.2	2187.07
Cd 214.439	1.00394	ug/L	0.002314	0.2	43.5432
Co 228.615	10.7827	ug/L	0.118654	1.1	114.093
Cr 267.716	5.12838	ug/L	0.002418	0.0	269.862
Cu 327.395	10.9056	ug/L	0.100261	0.9	813.772
Fe 273.955	105.699	ug/L	0.009058	0.0	1729.63
K 404.721	3768.30	ug/L	342.506	9.1	59.2441
Li 610.365	83.7907	ug/L	0.018941	0.0	6379.76
Mg 279.078	425.649	ug/L	0.484129	0.1	1986.07
Mn 257.610	10.6378	ug/L	0.012388	0.1	3228.35
Mo 202.032	9.53870	ug/L	0.064267	0.7	96.1431
Na 330.237	1956.48	ug/L	33.3120	1.7	283.107
Ni 216.555	10.4029	ug/L	0.070826	0.7	91.4857
Pb 220.353	5.35117	ug/L	0.320796	6.0	34.7351
Sb 217.582	9.61138	ug/L	0.034656	0.4	21.9090
Se 196.026	10.3102	ug/L	1.97795	19.2	7.86591
Si 251.611	114.127	ug/L	14.9832	13.1	647.126
Si 288.158	116.114	ug/L	16.4335	14.2	1747.72
Sn 283.998	31.6586	ug/L	0.124438	0.4	158.334
Sr 421.552	22.1193	ug/L	0.002780	0.0	54107.8
Ti 336.122	10.8446	ug/L	0.633270	5.8	2714.05
Tl 190.794	10.8015	ug/L	1.30005	12.0	9.82564
V 292.401	10.3293	ug/L	0.055871	0.5	429.411
Zn 202.548	52.1679	ug/L	0.228165	0.4	1270.48
Zr 339.198	10.5994	ug/L	0.131030	1.2	639.597

CCV (CCV) **9/16/2009, 2:13:26 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	996.612	ug/L	3.75284	0.4	8641.06	99.66122
Al 237.312	4969.76	ug/L	11.0444	0.2	22289.6	99.39523
As 188.980	997.010	ug/L	0.641981	0.1	1090.89	99.70099
B 249.678	999.913	ug/L	3.48310	0.3	30068.8	99.99133
Ba 493.408	994.842	ug/L	2.93645	0.3	2494447	99.48421
Be 313.042	996.594	ug/L	3.44835	0.3	3418952	99.65944
Ca 373.690	19895.3	ug/L	65.2472	0.3	101502	99.47660
Cd 214.439	996.036	ug/L	1.73561	0.2	39268.8	99.60362
Co 228.615	994.262	ug/L	3.26463	0.3	9117.84	99.42622
Cr 267.716	994.969	ug/L	3.95301	0.4	47592.2	99.49687
Cu 327.395	991.621	ug/L	8.24364	0.8	66829.3	99.16213
Fe 273.955	4985.94	ug/L	13.6826	0.3	78145.0	99.71886
K 404.721	19783.3	ug/L	248.328	1.3	278.777	98.91627
Li 610.365	4972.50	ug/L	15.0795	0.3	377835	99.44992
Mg 279.078	19919.6	ug/L	50.6921	0.3	90944.9	99.59808
Mn 257.610	994.839	ug/L	2.41687	0.2	296717	99.48387
Mo 202.032	1041.30	ug/L	10.3937	1.0	9469.77	104.13010
Na 330.237	19833.3	ug/L	70.0781	0.4	2786.16	99.16632
Ni 216.555	994.050	ug/L	0.452645	0.0	8331.24	99.40498
Pb 220.353	998.110	ug/L	1.70156	0.2	5202.74	99.81098

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sb 217.582	993.857	ug/L	0.164433	0.0	1902.81	99.38575
Se 196.026	1006.76	ug/L	8.89542	0.9	558.566	100.67560
Si 251.611	998.722	ug/L	7.13089	0.7	5342.76	99.87219
Si 288.158	998.653	ug/L	7.60744	0.8	12187.6	99.86531
Sn 283.998	1011.41	ug/L	7.09308	0.7	4662.12	101.14150
Sr 421.552	995.051	ug/L	3.88292	0.4	2432182	99.50508
Ti 336.122	996.142	ug/L	2.62256	0.3	245510	99.61423
Tl 190.794	995.439	ug/L	5.24499	0.5	792.905	99.54390
V 292.401	995.380	ug/L	3.68430	0.4	39721.6	99.53805
Zn 202.548	996.282	ug/L	2.46076	0.2	23357.2	99.62819
Zr 339.198	1058.05	ug/L	9.11522	0.9	63004.4	105.80490

CCB (CCB) **9/16/2009, 2:16:20 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	0.927652	ug/L	0.002469	0.3	8.29382	0.92765
Al 237.312	-1.67259uv	ug/L	0.511209	30.6	3.72534	-1.67259
As 188.980	1.96289	ug/L	0.439856	22.4	4.00821	1.96289
B 249.678	25.4876	ug/L	3.61764	14.2	823.139	25.48764
Ba 493.408	10.6338	ug/L	0.011407	0.1	26835.3	10.63381Z
Be 313.042	0.030574	ug/L	0.003121	10.2	281.979	0.03057
Ca 373.690	-0.945678uv	ug/L	0.019278	2.0	26.8889	-0.94568
Cd 214.439	-0.013604uv	ug/L	0.030707	225.7	3.43048	-0.01360
Co 228.615	0.102917	ug/L	0.125935	122.4	16.3200	0.10292
Cr 267.716	0.021762	ug/L	0.016246	74.7	25.7246	0.02176
Cu 327.395	-0.124079uv	ug/L	0.079085	63.7	71.3282	-0.12408
Fe 273.955	1.58724	ug/L	1.44457	91.0	64.5109	1.58724
K 404.721	370.125	ug/L	314.714	85.0	15.8895	370.12531
Li 610.365	0.086690	ug/L	0.017049	19.7	19.7363	0.08669
Mg 279.078	-0.656237uv	ug/L	0.625197	95.3	13.8671	-0.65624
Mn 257.610	-0.034100uv	ug/L	0.008902	26.1	45.9860	-0.03410
Mo 202.032	18.1934	ug/L	4.24289	23.3	174.771	18.19336
Na 330.237	-95.4229uv	ug/L	12.6976	13.3	6.68774	-95.42288
Ni 216.555	-0.166116uv	ug/L	0.019359	11.7	2.95177	-0.16612
Pb 220.353	0.023813uv	ug/L	0.716258	3007.9	7.00238	0.02381
Sb 217.582	1.41214	ug/L	0.773911	54.8	6.24017	1.41214
Se 196.026	3.03565	ug/L	3.30943	109.0	3.84552	3.03565
Si 251.611	0.595158	ug/L	0.808736	135.9	44.4711	0.59516
Si 288.158	0.444824	ug/L	0.533327	119.9	379.436	0.44482
Sn 283.998	3.20715	ug/L	1.06244	33.1	27.5469	3.20715
Sr 421.552	0.026811	ug/L	0.004920	18.4	108.627	0.02681
Ti 336.122	0.698984	ug/L	0.293434	42.0	213.972	0.69898
Tl 190.794	1.36150	ug/L	1.71147	125.7	2.31802	1.36150
V 292.401	0.102099	ug/L	0.029215	28.6	21.4618	0.10210
Zn 202.548	-0.318342uv	ug/L	0.021662	6.8	42.6087	-0.31834
Zr 339.198	0.627812	ug/L	0.077279	12.3	45.8912	0.62781

MB 360-49006/1-A (Samp) **9/16/2009, 2:51:32 PM** **Rack 1, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.519696	ug/L	0.478436	92.1	4.75677
Al 237.312	1.98663	ug/L	0.490075	24.7	20.3702
As 188.980	-0.069359uv	ug/L	1.95598	2820.1	1.78841
B 249.678	4.76767	ug/L	0.227718	4.8	201.267
Ba 493.408	1.34645	ug/L	0.009219	0.7	3549.99
Be 313.042	-0.000889uv	ug/L	0.000781	87.9	174.048
Ca 373.690	185.549	ug/L	2.13311	1.1	998.674
Cd 214.439	0.049037	ug/L	0.032835	67.0	5.89984
Co 228.615	-0.159096uv	ug/L	0.009134	5.7	13.9213
Cr 267.716	1.35803	ug/L	0.047652	3.5	89.6092
Cu 327.395	0.490526	ug/L	0.071168	14.5	112.700
Fe 273.955	21.2723	ug/L	1.12490	5.3	379.457
K 404.721	-9.03006uv	ug/L	253.050	2802.3	11.1206
Li 610.365	-0.008521uv	ug/L	0.029373	344.7	12.5020
Mg 279.078	48.7977	ug/L	0.671035	1.4	242.713
Mn 257.610	0.482913	ug/L	0.018322	3.8	200.159
Mo 202.032	6.29460	ug/L	2.09294	33.2	66.6702
Na 330.237	216.510	ug/L	66.1132	30.5	48.5675
Ni 216.555	0.158092	ug/L	0.012262	7.8	5.66757
Pb 220.353	0.483490uv	ug/L	0.689744	142.7	9.39532
Sb 217.582	-1.42582uv	ug/L	0.050724	3.6	0.816803
Se 196.026	2.89693	ug/L	0.218598	7.5	3.76885
Si 251.611	30.5980	ug/L	0.289021	0.9	203.733
Si 288.158	30.7112	ug/L	0.154605	0.5	737.468
Sn 283.998	11.7450	ug/L	0.999108	8.5	66.7940
Sr 421.552	0.463476	ug/L	0.000023	0.0	1175.94
Ti 336.122	0.702466	ug/L	0.247967	35.3	214.830
Tl 190.794	0.397799uv	ug/L	1.45501	365.8	1.55159
V 292.401	0.101755	ug/L	0.029603	29.1	21.4481
Zn 202.548	2.60142	ug/L	0.058217	2.2	110.914
Zr 339.198	10.1333	ug/L	1.50534	14.9	611.843

CCV (CCV) **9/16/2009, 2:54:26 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	996.019	ug/L	2.67383	0.3	8635.92	99.60188
Al 237.312	4949.02	ug/L	0.777196	0.0	22197.9	98.98045
As 188.980	995.269	ug/L	3.23006	0.3	1088.99	99.52693
B 249.678	968.705	ug/L	8.03941	0.8	29132.1	96.87047
Ba 493.408	992.801	ug/L	0.296066	0.0	2489329	99.28008
Be 313.042	996.897	ug/L	0.066032	0.0	3419991	99.68974
Ca 373.690	19951.5	ug/L	28.2953	0.1	101782	99.75756
Cd 214.439	997.444	ug/L	0.479231	0.0	39324.3	99.74442
Co 228.615	995.969	ug/L	0.948362	0.1	9133.47	99.59692
Cr 267.716	996.871	ug/L	0.323774	0.0	47683.1	99.68707
Cu 327.395	988.326	ug/L	1.25073	0.1	66607.4	98.83261
Fe 273.955	4973.17	ug/L	0.862477	0.0	77949.2	99.46349
K 404.721	20181.9	ug/L	232.548	1.2	284.562	100.90960
Li 610.365	4967.58	ug/L	4.81647	0.1	377461	99.35156
Mg 279.078	19932.1	ug/L	6.40263	0.0	91000.9	99.66032
Mn 257.610	993.970	ug/L	0.400941	0.0	296458	99.39698
Mo 202.032	998.249	ug/L	2.34302	0.2	9078.64	99.82487
Na 330.237	19836.8	ug/L	10.5168	0.1	2786.67	99.18402

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ni 216.555	993.463	ug/L	1.28319	0.1	8326.33	99.34627
Pb 220.353	995.428	ug/L	0.208196	0.0	5188.78	99.54283
Sb 217.582	982.516	ug/L	0.984356	0.1	1881.14	98.25162
Se 196.026	995.544	ug/L	6.87746	0.7	552.369	99.55442
Si 251.611	997.149	ug/L	6.11947	0.6	5334.41	99.71487
Si 288.158	995.184	ug/L	7.16977	0.7	12146.5	99.51842
Sn 283.998	993.592	ug/L	0.874043	0.1	4580.19	99.35921
Sr 421.552	992.346	ug/L	0.264216	0.0	2425572	99.23464
Ti 336.122	991.953	ug/L	1.36048	0.1	244478	99.19527
Tl 190.794	997.194	ug/L	0.639348	0.1	794.300	99.71938
V 292.401	994.674	ug/L	0.946722	0.1	39693.4	99.46739
Zn 202.548	999.412	ug/L	0.952074	0.1	23430.4	99.94116
Zr 339.198	1050.86	ug/L	3.66423	0.3	62576.7	105.08640

CCB (CCB) **9/16/2009, 2:57:20 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	0.229401	ug/L	0.119666	52.2	2.23987	0.22940
Al 237.312	-0.532316uv	ug/L	0.001158	0.2	8.91217	-0.53232
As 188.980	1.11299	ug/L	0.111290	10.0	3.07988	1.11299
B 249.678	21.0638	ug/L	3.78972	18.0	690.365	21.06379
Ba 493.408	0.030529	ug/L	0.003052	10.0	250.711	0.03053
Be 313.042	0.041357	ug/L	0.000333	0.8	318.971	0.04136
Ca 373.690	-0.667263uv	ug/L	0.099470	14.9	28.3400	-0.66726
Cd 214.439	-0.004957uv	ug/L	0.020370	410.9	3.77133	-0.00496
Co 228.615	0.190961uv	ug/L	0.353336	185.0	17.1260	0.19096
Cr 267.716	0.036739	ug/L	0.003656	10.0	26.4406	0.03674
Cu 327.395	-0.187729uv	ug/L	0.126892	67.6	67.0437	-0.18773
Fe 273.955	0.611330	ug/L	0.560154	91.6	48.8957	0.61133
K 404.721	84.1999uv	ug/L	275.698	327.4	12.2924	84.19994
Li 610.365	0.048428	ug/L	0.003726	7.7	16.8291	0.04843
Mg 279.078	-0.271609uv	ug/L	1.10979	408.6	15.6470	-0.27161
Mn 257.610	-0.026492uv	ug/L	0.000665	2.5	48.2548	-0.02649
Mo 202.032	11.8093	ug/L	2.77510	23.5	116.771	11.80928
Na 330.237	-35.3769uv	ug/L	62.6044	177.0	14.7470	-35.37689
Ni 216.555	-0.041816uv	ug/L	0.197263	471.7	3.99300	-0.04182
Pb 220.353	-0.159995uv	ug/L	0.001990	1.2	6.04553	-0.15999
Sb 217.582	-0.159326uv	ug/L	0.167845	105.3	3.23709	-0.15933
Se 196.026	1.18961	ug/L	0.549920	46.2	2.82528	1.18961
Si 251.611	0.555806	ug/L	0.383180	68.9	44.2622	0.55581
Si 288.158	0.009587uv	ug/L	0.914645	9540.8	374.288	0.00959
Sn 283.998	1.25330	ug/L	0.800631	63.9	18.5654	1.25330
Sr 421.552	0.036944	ug/L	0.001785	4.8	133.393	0.03694
Ti 336.122	0.423920	ug/L	0.197346	46.6	146.191	0.42392
Tl 190.794	1.37827	ug/L	0.273234	19.8	2.33136	1.37827
V 292.401	0.090708	ug/L	0.079341	87.5	21.0075	0.09071
Zn 202.548	-0.326157uv	ug/L	0.049590	15.2	42.4258	-0.32616
Zr 339.198	0.584325	ug/L	0.242413	41.5	43.3020	0.58432

LCS 360-49006/2-A (Samp) **9/16/2009, 3:00:14 PM** **Rack 1, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	944.846	ug/L	5.00693	0.5	8192.24
Al 237.312	4689.71	ug/L	19.8449	0.4	21051.6
As 188.980	943.379	ug/L	3.60929	0.4	1032.31
B 249.678	889.232	ug/L	10.4889	1.2	26746.9
Ba 493.408	965.261	ug/L	2.51730	0.3	2420281
Be 313.042	966.883	ug/L	3.51085	0.4	3317028
Ca 373.690	19506.0	ug/L	87.7765	0.4	99558.9
Cd 214.439	946.674	ug/L	3.98447	0.4	37322.9
Co 228.615	957.564	ug/L	4.07652	0.4	8781.87
Cr 267.716	969.557	ug/L	4.39309	0.5	46377.3
Cu 327.395	962.224	ug/L	10.5627	1.1	64850.4
Fe 273.955	4889.45	ug/L	22.7793	0.5	76665.1
K 404.721	18355.3	ug/L	494.757	2.7	258.189
Li 610.365	4513.37	ug/L	13.8694	0.3	342949
Mg 279.078	18714.0	ug/L	70.2038	0.4	85512.5
Mn 257.610	966.522	ug/L	4.78609	0.5	288273
Mo 202.032	970.481	ug/L	8.05119	0.8	8826.37
Na 330.237	18486.3	ug/L	55.4195	0.3	2591.64
Ni 216.555	952.732	ug/L	1.03023	0.1	7985.14
Pb 220.353	945.160	ug/L	2.96899	0.3	4927.10
Sb 217.582	883.570	ug/L	2.92182	0.3	1692.05
Se 196.026	946.294	ug/L	2.80318	0.3	525.150
Si 251.611	1058.30	ug/L	13.2945	1.3	5659.02
Si 288.158	1056.38	ug/L	14.5888	1.4	12870.4
Sn 283.998	948.213	ug/L	6.46456	0.7	4371.59
Sr 421.552	966.513	ug/L	3.25082	0.3	2362429
Ti 336.122	941.927	ug/L	5.72401	0.6	232151
Tl 190.794	929.844	ug/L	2.18973	0.2	740.738
V 292.401	970.044	ug/L	4.71781	0.5	38711.0
Zn 202.548	947.606	ug/L	5.15380	0.5	22218.5
Zr 339.198	1004.09	ug/L	0.684103	0.1	59791.6

LCSD 360-49006/3-A (Samp) **9/16/2009, 3:03:07 PM** **Rack 1, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	949.713	ug/L	6.49382	0.7	8234.44
Al 237.312	4718.44	ug/L	29.4703	0.6	21178.7
As 188.980	948.203	ug/L	7.15669	0.8	1037.58
B 249.678	900.099	ug/L	12.5563	1.4	27073.0
Ba 493.408	968.092	ug/L	5.60804	0.6	2427380
Be 313.042	964.121	ug/L	4.41191	0.5	3307553
Ca 373.690	19576.0	ug/L	138.498	0.7	99908.4
Cd 214.439	952.882	ug/L	4.57850	0.5	37567.6
Co 228.615	962.775	ug/L	6.38550	0.7	8829.58
Cr 267.716	972.549	ug/L	5.83134	0.6	46520.3
Cu 327.395	964.783	ug/L	1.48871	0.2	65022.7
Fe 273.955	4900.93	ug/L	29.4178	0.6	76841.3
K 404.721	18329.1	ug/L	578.314	3.2	257.813
Li 610.365	4552.05	ug/L	26.1581	0.6	345888
Mg 279.078	18851.4	ug/L	90.5773	0.5	86132.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	970.350	ug/L	5.66311	0.6	289414
Mo 202.032	972.608	ug/L	7.31146	0.8	8845.70
Na 330.237	18701.0	ug/L	128.181	0.7	2622.57
Ni 216.555	953.680	ug/L	5.13774	0.5	7993.07
Pb 220.353	952.286	ug/L	5.77230	0.6	4964.20
Sb 217.582	889.477	ug/L	6.09262	0.7	1703.34
Se 196.026	954.284	ug/L	0.603872	0.1	529.567
Si 251.611	1148.71	ug/L	16.1567	1.4	6138.95
Si 288.158	1145.18	ug/L	14.4574	1.3	13920.9
Sn 283.998	954.550	ug/L	6.29413	0.7	4400.72
Sr 421.552	969.672	ug/L	7.12631	0.7	2370150
Ti 336.122	946.953	ug/L	3.53376	0.4	233389
Tl 190.794	940.316	ug/L	10.4504	1.1	749.066
V 292.401	972.529	ug/L	6.58213	0.7	38810.1
Zn 202.548	952.325	ug/L	4.58864	0.5	22328.9
Zr 339.198	955.060	ug/L	5.66363	0.6	56872.5

360-24244-B-5-C (Samp) **9/16/2009, 3:06:00 PM** **Rack 1, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	31.8752	ug/L	2.62461	8.2	276.614
Al 237.312	101408	ug/L	193.327	0.2	402239
As 188.980	65.4919	ug/L	0.599669	0.9	73.4002
B 249.678	37.4652	ug/L	3.59908	9.6	1182.62
Ba 493.408	617.768	ug/L	0.962820	0.2	1549046
Be 313.042	1.70997	ug/L	0.006553	0.4	6043.08
Ca 373.690	69345.6	ug/L	252.492	0.4	334466
Cd 214.439	4.55600	ug/L	0.181809	4.0	183.569
Co 228.615	98.8307	ug/L	0.174549	0.2	920.172
Cr 267.716	288.806	ug/L	0.974257	0.3	13831.9
Cu 327.395	213.737	ug/L	0.099178	0.0	14467.1
Fe 273.955	302839	ug/L	694.600	0.2	3868605
K 404.721	38319.7	ug/L	261.224	0.7	564.219
Li 610.365	77.1159	ug/L	0.218295	0.3	5872.60
Mg 279.078	44394.5	ug/L	142.474	0.3	199238
Mn 257.610	1219.03	ug/L	3.35530	0.3	363570
Mo 202.032	16.0449	ug/L	1.24382	7.8	155.253
Na 330.237	11656.9	ug/L	53.8844	0.5	1620.22
Ni 216.555	135.432	ug/L	0.711779	0.5	1138.83
Pb 220.353	36.4199	ug/L	0.666166	1.8	196.469
Sb 217.582	-0.777612uv	ug/L	0.286005	36.8	2.05554
Se 196.026	-0.063460uv	ug/L	1.79923	2835.2	2.13275
Si 251.611	4357.00	ug/L	24.1497	0.6	23169.3
Si 288.158	4461.21	ug/L	31.8785	0.7	53147.2
Sn 283.998	89.9074	ug/L	1.22380	1.4	426.094
Sr 421.552	376.152	ug/L	0.292851	0.1	919448
Ti 336.122	15124.1	ug/L	426.075	2.8	3726918
Tl 190.794	0.026635uv	ug/L	0.280452	1052.9	1.25641
V 292.401	657.352	ug/L	1.31003	0.2	26238.2
Zn 202.548	162.378	ug/L	1.72000	1.1	3848.76
Zr 339.198	43.2401	ug/L	0.495952	1.1	2583.02

360-24244-B-5-D DU (Samp) **9/16/2009, 3:08:51 PM** **Rack 1, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	33.7228	ug/L	0.403698	1.2	292.634
Al 237.312	129719	ug/L	331.445	0.3	512216
As 188.980	68.0846	ug/L	1.37511	2.0	76.2322
B 249.678	23.6611	ug/L	0.442702	1.9	768.318
Ba 493.408	531.940	ug/L	0.625624	0.1	1333858
Be 313.042	1.96857	ug/L	0.005337	0.3	6930.18
Ca 373.690	96189.4	ug/L	274.982	0.3	449438
Cd 214.439	4.54336	ug/L	0.162861	3.6	183.071
Co 228.615	107.403	ug/L	0.234242	0.2	998.653
Cr 267.716	328.491	ug/L	0.894803	0.3	15729.2
Cu 327.395	240.046	ug/L	0.088442	0.0	16238.0
Fe 273.955	322669	ug/L	1067.62	0.3	4119166
K 404.721	37358.9	ug/L	44.3406	0.1	548.596
Li 610.365	104.947	ug/L	0.180763	0.2	7987.23
Mg 279.078	53880.8	ug/L	127.906	0.2	240195
Mn 257.610	1475.38	ug/L	3.75219	0.3	440015
Mo 202.032	10.1407	ug/L	0.814687	8.0	101.613
Na 330.237	13997.9	ug/L	29.6384	0.2	1950.40
Ni 216.555	154.156	ug/L	0.974559	0.6	1295.67
Pb 220.353	40.9476	ug/L	0.101444	0.2	220.040
Sb 217.582	0.573779	ug/L	0.736241	128.3	4.63806
Se 196.026	-0.877030uv	ug/L	3.94397	449.7	1.68312
Si 251.611	5866.67	ug/L	14.0679	0.2	31183.0
Si 288.158	5939.35	ug/L	33.8137	0.6	70632.6
Sn 283.998	103.544	ug/L	0.985063	1.0	488.781
Sr 421.552	490.210	ug/L	0.357826	0.1	1198231
Ti 336.122	17361.7	ug/L	211.613	1.2	4278299
Tl 190.794	0.730196uv	ug/L	1.98634	272.0	1.81595
V 292.401	733.798	ug/L	1.39971	0.2	29287.5
Zn 202.548	184.212	ug/L	0.960932	0.5	4359.55
Zr 339.198	41.6610	ug/L	0.055747	0.1	2489.00

360-24244-B-5-E MS (Samp) **9/16/2009, 3:11:45 PM** **Rack 1, Tube 25**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	945.013	ug/L	0.578063	0.1	8193.68
Al 237.312	130199	ug/L	461.354	0.4	514079
As 188.980	1004.59	ug/L	1.98826	0.2	1099.17
B 249.678	864.524	ug/L	14.7058	1.7	26005.3
Ba 493.408	1604.38	ug/L	10.4751	0.7	4022686
Be 313.042	916.794	ug/L	5.83419	0.6	3145200
Ca 373.690	112442	ug/L	411.989	0.4	515985
Cd 214.439	892.778	ug/L	3.66769	0.4	35198.2
Co 228.615	1012.78	ug/L	5.01928	0.5	9287.34
Cr 267.716	1248.55	ug/L	6.03682	0.5	59715.3
Cu 327.395	1183.02	ug/L	7.21772	0.6	79713.0
Fe 273.955	317757	ug/L	1725.96	0.5	4057098
K 404.721	60021.3	ug/L	611.716	1.0	941.141
Li 610.365	4760.04	ug/L	17.9028	0.4	361692
Mg 279.078	76409.9	ug/L	263.486	0.3	335187

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2393.37	ug/L	7.03119	0.3	713758
Mo 202.032	903.922	ug/L	4.77409	0.5	8221.67
Na 330.237	30956.4	ug/L	158.083	0.5	4429.44
Ni 216.555	1040.71	ug/L	6.57112	0.6	8722.10
Pb 220.353	913.760	ug/L	0.939040	0.1	4763.64
Sb 217.582	324.780	ug/L	1.01519	0.3	624.200
Se 196.026	893.329	ug/L	4.37186	0.5	495.879
Si 251.611	5635.36	ug/L	32.8587	0.6	29955.2
Si 288.158	5720.31	ug/L	22.9651	0.4	68041.5
Sn 283.998	893.801	ug/L	2.31264	0.3	4121.46
Sr 421.552	1344.43	ug/L	7.07521	0.5	3286141
Ti 336.122	18747.3	ug/L	122.495	0.7	4619736
Tl 190.794	808.925	ug/L	9.33438	1.2	644.571
V 292.401	1659.20	ug/L	5.18531	0.3	66200.3
Zn 202.548	1063.61	ug/L	5.38159	0.5	24932.2
Zr 339.198	912.839	ug/L	5.14586	0.6	54358.7

360-24244-B-5-Csd@5 (Samp) **9/16/2009, 3:14:43 PM** **Rack 1, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.870630	ug/L	0.070824	8.1	7.79944
Al 237.312	19600.5	ug/L	61.7600	0.3	84066.1
As 188.980	14.4412	ug/L	1.62812	11.3	17.6381
B 249.678	25.0556	ug/L	3.43600	13.7	810.174
Ba 493.408	136.696	ug/L	0.287704	0.2	342900
Be 313.042	0.369038	ug/L	0.003771	1.0	1443.07
Ca 373.690	13557.6	ug/L	23.3739	0.2	69660.4
Cd 214.439	0.984887	ug/L	0.020821	2.1	42.7920
Co 228.615	21.1985	ug/L	0.071619	0.3	209.450
Cr 267.716	61.7091	ug/L	0.034494	0.1	2974.88
Cu 327.395	44.1325	ug/L	0.867052	2.0	3050.39
Fe 273.955	65449.2	ug/L	18.3378	0.0	869085
K 404.721	6688.82	ug/L	265.441	4.0	97.4063
Li 610.365	10.4921	ug/L	0.205118	2.0	810.366
Mg 279.078	9552.26	ug/L	16.9643	0.2	43933.1
Mn 257.610	259.657	ug/L	0.459227	0.2	77485.9
Mo 202.032	7.93778	ug/L	1.17768	14.8	81.5986
Na 330.237	2213.09	ug/L	32.9763	1.5	317.833
Ni 216.555	29.0296	ug/L	0.159728	0.6	247.517
Pb 220.353	5.72842	ug/L	0.149504	2.6	36.6989
Sb 217.582	0.800448	ug/L	0.692699	86.5	5.07123
Se 196.026	-1.49418uv	ug/L	0.938816	62.8	1.34204
Si 251.611	972.094	ug/L	15.5624	1.6	5201.41
Si 288.158	980.122	ug/L	3.25302	0.3	11968.3
Sn 283.998	17.8098	ug/L	0.668476	3.8	94.6729
Sr 421.552	82.4480	ug/L	0.169380	0.2	201566
Ti 336.122	3325.51	ug/L	7.22730	0.2	819511
Tl 190.794	0.034454uv	ug/L	0.606908	1761.5	1.26263
V 292.401	137.716	ug/L	0.036221	0.0	5510.67
Zn 202.548	35.2445	ug/L	0.392636	1.1	874.570
Zr 339.198	13.7551	ug/L	0.933642	6.8	827.487

360-24244-B-5-Cpds (Samp) **9/16/2009, 3:17:51 PM** **Rack 1, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	991.238	ug/L	2.55269	0.3	8594.47
Al 237.312	103573	ug/L	86.1621	0.1	410649
As 188.980	1039.14	ug/L	0.575128	0.1	1136.91
B 249.678	924.493	ug/L	10.8806	1.2	27805.1
Ba 493.408	1512.89	ug/L	1.26074	0.1	3793298
Be 313.042	960.274	ug/L	1.84921	0.2	3294357
Ca 373.690	90857.8	ug/L	207.481	0.2	427246
Cd 214.439	937.107	ug/L	1.40722	0.2	36945.7
Co 228.615	1035.94	ug/L	3.47192	0.3	9499.43
Cr 267.716	1244.20	ug/L	3.08047	0.2	59507.7
Cu 327.395	1197.99	ug/L	8.36124	0.7	80721.0
Fe 273.955	296163	ug/L	472.303	0.2	3784249
K 404.721	57521.3	ug/L	106.342	0.2	895.364
Li 610.365	4887.61	ug/L	15.6696	0.3	371385
Mg 279.078	63221.0	ug/L	111.519	0.2	279966
Mn 257.610	2064.80	ug/L	0.482683	0.0	615780
Mo 202.032	966.817	ug/L	1.80570	0.2	8793.08
Na 330.237	29408.8	ug/L	106.085	0.4	4196.85
Ni 216.555	1059.26	ug/L	2.17423	0.2	8877.53
Pb 220.353	952.142	ug/L	1.03334	0.1	4963.44
Sb 217.582	905.383	ug/L	3.01181	0.3	1733.73
Se 196.026	944.256	ug/L	10.5938	1.1	524.024
Si 251.611	5411.37	ug/L	56.3956	1.0	28766.1
Si 288.158	5482.10	ug/L	75.5320	1.4	65223.7
Sn 283.998	955.989	ug/L	3.98783	0.4	4407.33
Sr 421.552	1310.32	ug/L	1.46773	0.1	3202775
Ti 336.122	15734.8	ug/L	216.940	1.4	3877399
Tl 190.794	861.373	ug/L	4.98181	0.6	686.283
V 292.401	1611.48	ug/L	4.56167	0.3	64296.8
Zn 202.548	1078.15	ug/L	2.53348	0.2	25272.4
Zr 339.198	1007.91	ug/L	0.977408	0.1	60018.9

360-24244-A-8-E (Samp) **9/16/2009, 3:20:53 PM** **Rack 1, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.03327	ug/L	0.592616	14.7	35.2201
Al 237.312	122364	ug/L	255.348	0.2	483643
As 188.980	70.3212	ug/L	1.22356	1.7	78.6753
B 249.678	29.2267	ug/L	3.57375	12.2	935.359
Ba 493.408	533.444	ug/L	1.18931	0.2	1337628
Be 313.042	3.15028	ug/L	0.011408	0.4	10984.0
Ca 373.690	43364.4	ug/L	125.608	0.3	215488
Cd 214.439	3.73876	ug/L	0.064679	1.7	151.353
Co 228.615	112.621	ug/L	0.130716	0.1	1046.42
Cr 267.716	689.492	ug/L	2.51527	0.4	32988.0
Cu 327.395	284.483	ug/L	0.165577	0.1	19229.2
Fe 273.955	269122	ug/L	507.018	0.2	3442572
K 404.721	32560.3	ug/L	340.740	1.0	471.931
Li 610.365	127.233	ug/L	0.772271	0.6	9680.59
Mg 279.078	73803.5	ug/L	193.885	0.3	324362

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1644.56	ug/L	11.4344	0.7	490463
Mo 202.032	9.65119	ug/L	1.41064	14.6	97.1650
Na 330.237	1739.65	ug/L	18.5340	1.1	253.791
Ni 216.555	240.977	ug/L	0.259425	0.1	2022.95
Pb 220.353	17.1823	ug/L	0.470275	2.7	96.3242
Sb 217.582	-0.906070uv	ug/L	0.650241	71.8	1.81006
Se 196.026	-0.154876uv	ug/L	0.276483	178.5	2.08223
Si 251.611	2657.16	ug/L	37.0549	1.4	14146.1
Si 288.158	2720.90	ug/L	21.3068	0.8	32560.5
Sn 283.998	247.707	ug/L	0.726614	0.3	1151.47
Sr 421.552	97.7673	ug/L	0.272324	0.3	239009
Ti 336.122	7084.62	ug/L	7.68081	0.1	1745829
Tl 190.794	-0.098248uv	ug/L	1.15125	1171.8	1.15709
V 292.401	440.480	ug/L	1.43551	0.3	17587.5
Zn 202.548	288.323	ug/L	0.346821	0.1	6795.13
Zr 339.198	46.1934	ug/L	2.30663	5.0	2758.85

360-24244-B-11-A (Samp) **9/16/2009, 3:23:47 PM** **Rack 1, Tube 29**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.10684	ug/L	0.718714	64.9	9.84741
Al 237.312	150165	ug/L	151.962	0.1	591637
As 188.980	58.9360	ug/L	0.351320	0.6	66.2393
B 249.678	18.6043	ug/L	0.125437	0.7	616.548
Ba 493.408	634.279	ug/L	1.63065	0.3	1590441
Be 313.042	3.47592	ug/L	0.010202	0.3	12101.1
Ca 373.690	51024.3	ug/L	129.185	0.3	251353
Cd 214.439	4.05259	ug/L	0.065732	1.6	163.724
Co 228.615	118.859	ug/L	0.649323	0.5	1103.53
Cr 267.716	551.040	ug/L	1.76639	0.3	26368.8
Cu 327.395	242.701	ug/L	0.688344	0.3	16416.8
Fe 273.955	286005	ug/L	586.214	0.2	3655898
K 404.721	41377.9	ug/L	246.308	0.6	614.544
Li 610.365	154.382	ug/L	0.615568	0.4	11743.5
Mg 279.078	98608.9	ug/L	275.192	0.3	425655
Mn 257.610	2327.91	ug/L	0.817074	0.0	694238
Mo 202.032	9.66151	ug/L	0.219595	2.3	97.2589
Na 330.237	2128.06	ug/L	23.2235	1.1	306.322
Ni 216.555	238.300	ug/L	0.132119	0.1	2000.52
Pb 220.353	20.1660	ug/L	0.448024	2.2	111.857
Sb 217.582	1.04529	ug/L	0.747759	71.5	5.53912
Se 196.026	1.45802uv	ug/L	6.36301	436.4	2.97362
Si 251.611	4622.60	ug/L	16.9695	0.4	24579.2
Si 288.158	4703.75	ug/L	28.5443	0.6	56016.4
Sn 283.998	191.365	ug/L	1.19192	0.6	892.479
Sr 421.552	121.074	ug/L	0.166834	0.1	295977
Ti 336.122	12981.1	ug/L	23.6508	0.2	3198839
Tl 190.794	0.846791	ug/L	0.322319	38.1	1.90868
V 292.401	496.817	ug/L	1.34251	0.3	19834.7
Zn 202.548	380.894	ug/L	4.05680	1.1	8960.74
Zr 339.198	48.1213	ug/L	2.68108	5.6	2873.64

360-24607-A-1-A (Samp) **9/16/2009, 3:26:40 PM** **Rack 1, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	102.476	ug/L	0.142385	0.1	888.737
Al 237.312	172080	ug/L	416.254	0.2	676768
As 188.980	206.679	ug/L	1.46545	0.7	227.618
B 249.678	529.984	ug/L	7.02605	1.3	15964.7
Ba 493.408	3475.28	ug/L	10.3615	0.3	8713404
Be 313.042	7.43633	ug/L	0.013732	0.2	25687.1
Ca 373.690	180374	ug/L	499.394	0.3	793803
Cd 214.439	331.923	ug/L	0.615352	0.2	13088.7
Co 228.615	535.196	ug/L	0.934249	0.2	4915.10
Cr 267.716	4288.57	ug/L	14.2726	0.3	205053
Cu 327.395	22752.1	ug/L	137.470	0.6	1531607
Fe 273.955	-x	ug/L	2821.67	0.3	11583840
K 404.721	17074.8	ug/L	577.308	3.4	239.892
Li 610.365	179.453	ug/L	1.04557	0.6	13648.4
Mg 279.078	30557.8	ug/L	77.4323	0.3	138479
Mn 257.610	7886.80	ug/L	29.4986	0.4	2351901
Mo 202.032	590.977	ug/L	1.69220	0.3	5378.55
Na 330.237	6128.32	ug/L	213.317	3.5	852.022
Ni 216.555	3639.80	ug/L	5.21405	0.1	30494.0
Pb 220.353	-x	ug/L	125.119	0.2	378282
Sb 217.582	177.259	ug/L	1.47772	0.8	342.284
Se 196.026	38.6950	ug/L	0.761079	2.0	23.5532
Si 251.611	13042.5	ug/L	181.194	1.4	69274.0
Si 288.158	13129.8	ug/L	203.173	1.5	155691
Sn 283.998	3199.64	ug/L	9.30702	0.3	14721.0
Sr 421.552	454.964	ug/L	1.20235	0.3	1112083
Ti 336.122	3821.18	ug/L	18.1172	0.5	941655
Tl 190.794	5.45647	ug/L	3.67480	67.3	5.57474
V 292.401	685.788	ug/L	1.93121	0.3	27372.5
Zn 202.548	-x	ug/L	19.9095	0.0	1052777
Zr 339.198	317.052	ug/L	4.25732	1.3	18885.7

CCV (CCV) **9/16/2009, 3:29:34 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	1011.85	ug/L	0.284629	0.0	8773.21	101.18540
Al 237.312	5033.22	ug/L	2.91371	0.1	22569.8	100.66450
As 188.980	1008.35	ug/L	6.03591	0.6	1103.27	100.83500
B 249.678	998.622	ug/L	10.1897	1.0	30030.0	99.86214
Ba 493.408	1006.67	ug/L	0.444359	0.0	2524098	100.66680
Be 313.042	1014.71	ug/L	1.38029	0.1	3481109	101.47140
Ca 373.690	20306.5	ug/L	1.00956	0.0	103552	101.53260
Cd 214.439	1014.22	ug/L	1.14357	0.1	39985.7	101.42220
Co 228.615	1013.13	ug/L	1.01716	0.1	9290.53	101.31250
Cr 267.716	1014.16	ug/L	0.421441	0.0	48509.9	101.41650
Cu 327.395	1006.62	ug/L	1.13135	0.1	67838.8	100.66190
Fe 273.955	5095.41	ug/L	0.881812	0.0	79822.2	101.90810
K 404.721	20417.7	ug/L	738.269	3.6	288.003	102.08850
Li 610.365	5079.27	ug/L	0.039017	0.0	385948	101.58550
Mg 279.078	20297.0	ug/L	12.3523	0.1	92643.2	101.48480

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	1013.01	ug/L	0.165901	0.0	302135	101.30080
Mo 202.032	1019.50	ug/L	1.31106	0.1	9271.71	101.95000
Na 330.237	20283.9	ug/L	12.8177	0.1	2851.46	101.41970
Ni 216.555	1015.43	ug/L	2.72472	0.3	8510.32	101.54280
Pb 220.353	1019.17	ug/L	0.357265	0.0	5312.36	101.91670
Sb 217.582	1004.63	ug/L	0.711207	0.1	1923.40	100.46310
Se 196.026	1009.93	ug/L	3.62664	0.4	560.320	100.99300
Si 251.611	1035.78	ug/L	4.85066	0.5	5539.46	103.57770
Si 288.158	1035.94	ug/L	5.04815	0.5	12628.6	103.59380
Sn 283.998	1012.62	ug/L	0.850393	0.1	4667.64	101.26160
Sr 421.552	1008.30	ug/L	0.037289	0.0	2464566	100.83000
Ti 336.122	1011.87	ug/L	2.81759	0.3	249387	101.18740
Tl 190.794	1010.04	ug/L	2.26646	0.2	804.514	101.00360
V 292.401	1012.34	ug/L	0.068320	0.0	40398.2	101.23420
Zn 202.548	1018.64	ug/L	1.40433	0.1	23880.2	101.86380
Zr 339.198	993.051	ug/L	5.16727	0.5	59134.5	99.30510

CCB (CCB) **9/16/2009, 3:32:27 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	0.694406	ug/L	0.314288	45.3	6.27154	0.69441
Al 237.312	-0.258738uv	ug/L	0.128428	49.6	10.1566	-0.25874
As 188.980	1.14405	ug/L	0.462047	40.4	3.11380	1.14405
B 249.678	28.6203	ug/L	3.64332	12.7	917.162	28.62035
Ba 493.408	0.044568	ug/L	0.005436	12.2	285.910	0.04457
Be 313.042	0.049226	ug/L	0.004554	9.3	345.963	0.04923
Ca 373.690	-0.810043uv	ug/L	1.19784	147.9	27.5958	-0.81004
Cd 214.439	0.016565	ug/L	0.009997	60.4	4.61977	0.01657
Co 228.615	0.313665	ug/L	0.173923	55.4	18.2494	0.31366
Cr 267.716	-0.050988uv	ug/L	0.096478	189.2	22.2466	-0.05099
Cu 327.395	-0.187187uv	ug/L	0.003188	1.7	67.0802	-0.18719
Fe 273.955	3.45547	ug/L	1.18434	34.3	94.4034	3.45547
K 404.721	145.418uv	ug/L	294.186	202.3	13.0621	145.41800
Li 610.365	0.040974	ug/L	0.005689	13.9	16.2627	0.04097
Mg 279.078	0.401735	ug/L	0.190555	47.4	18.7629	0.40173
Mn 257.610	-0.002856uv	ug/L	0.014753	516.6	55.3032	-0.00286
Mo 202.032	11.1140	ug/L	2.44208	22.0	110.455	11.11399
Na 330.237	-29.9635uv	ug/L	12.1073	40.4	15.4735	-29.96347
Ni 216.555	0.230980	ug/L	0.246402	106.7	6.27814	0.23098
Pb 220.353	-0.226063uv	ug/L	0.700638	309.9	5.70160	-0.22606
Sb 217.582	1.47484	ug/L	1.17872	79.9	6.36000	1.47484
Se 196.026	3.28444	ug/L	1.09261	33.3	3.98301	3.28444
Si 251.611	6.68508	ug/L	0.472932	7.1	76.7978	6.68508
Si 288.158	6.90600	ug/L	0.911843	13.2	455.868	6.90600
Sn 283.998	0.088230uv	ug/L	0.551962	625.6	13.2098	0.08823
Sr 421.552	0.047684	ug/L	0.002001	4.2	159.644	0.04768
Ti 336.122	0.825386	ug/L	0.252813	30.6	245.120	0.82539
Tl 190.794	1.48052	ug/L	0.575820	38.9	2.41268	1.48052
V 292.401	0.009703uv	ug/L	0.062687	646.1	17.7763	0.00970
Zn 202.548	-0.224692uv	ug/L	0.071734	31.9	44.7995	-0.22469
Zr 339.198	0.469081	ug/L	0.121198	25.8	36.4404	0.46908

360-24607-A-2-A (Samp) **9/16/2009, 3:35:20 PM** **Rack 1, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	5.86424	ug/L	0.783186	13.4	51.0950
Al 237.312	108815	ug/L	218.756	0.2	431011
As 188.980	131.442	ug/L	0.072657	0.1	145.437
B 249.678	42.0916	ug/L	0.718668	1.7	1321.48
Ba 493.408	345.464	ug/L	0.395805	0.1	866322
Be 313.042	4.29672	ug/L	0.022931	0.5	14916.8
Ca 373.690	8085.45	ug/L	44.6827	0.6	41805.0
Cd 214.439	62.9609	ug/L	0.273899	0.4	2485.95
Co 228.615	62.4809	ug/L	0.844175	1.4	587.390
Cr 267.716	157.520	ug/L	0.501133	0.3	7555.43
Cu 327.395	1793.49	ug/L	1.52651	0.1	120806
Fe 273.955	171039	ug/L	386.257	0.2	2203251
K 404.721	15163.1	ug/L	448.219	3.0	212.871
Li 610.365	97.9999	ug/L	0.192594	0.2	7459.41
Mg 279.078	19317.7	ug/L	76.4117	0.4	88234.1
Mn 257.610	1245.13	ug/L	4.88492	0.4	371354
Mo 202.032	20.5590	ug/L	1.36870	6.7	196.263
Na 330.237	474.518	ug/L	8.43720	1.8	83.2434
Ni 216.555	469.244	ug/L	1.48637	0.3	3935.08
Pb 220.353	18232.5	ug/L	76.4891	0.4	94919.9
Sb 217.582	237.216	ug/L	2.52710	1.1	456.863
Se 196.026	4.42035	ug/L	2.75003	62.2	4.61079
Si 251.611	4088.15	ug/L	66.0157	1.6	21742.2
Si 288.158	4165.25	ug/L	65.1105	1.6	49646.3
Sn 283.998	110.478	ug/L	1.17926	1.1	520.652
Sr 421.552	31.5790	ug/L	0.051694	0.2	77229.5
Ti 336.122	3469.93	ug/L	10.4871	0.3	855098
Tl 190.794	1.51028	ug/L	1.68943	111.9	2.43635
V 292.401	159.307	ug/L	0.214680	0.1	6371.92
Zn 202.548	5591.90	ug/L	122.489	2.2	130868
Zr 339.198	46.7909	ug/L	4.30016	9.2	2794.43

360-24607-A-3-A (Samp) **9/16/2009, 3:38:14 PM** **Rack 1, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	33.4280	ug/L	0.027419	0.1	290.078
Al 237.312	112222	ug/L	149.619	0.1	444245
As 188.980	115.360	ug/L	0.576083	0.5	127.871
B 249.678	75.3055	ug/L	0.500443	0.7	2318.33
Ba 493.408	819.885	ug/L	0.476814	0.1	2055793
Be 313.042	6.20989	ug/L	0.005497	0.1	21479.8
Ca 373.690	10800.8	ug/L	12.5615	0.1	55669.4
Cd 214.439	61.6348	ug/L	0.244700	0.4	2433.68
Co 228.615	56.2193	ug/L	0.539755	1.0	530.065
Cr 267.716	673.078	ug/L	0.736541	0.1	32203.2
Cu 327.395	7951.39	ug/L	6.66503	0.1	535316
Fe 273.955	200916	ug/L	229.799	0.1	2580765
K 404.721	11133.8	ug/L	207.131	1.9	157.091
Li 610.365	68.5117	ug/L	0.786049	1.1	5218.83
Mg 279.078	17364.7	ug/L	18.8253	0.1	79422.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1370.78	ug/L	0.735246	0.1	408822
Mo 202.032	94.7149	ug/L	0.098531	0.1	869.975
Na 330.237	893.897	ug/L	11.5262	1.3	139.684
Ni 216.555	841.440	ug/L	0.157658	0.0	7052.87
Pb 220.353	5883.25	ug/L	0.964676	0.0	30633.3
Sb 217.582	29.7008	ug/L	1.32433	4.5	60.3000
Se 196.026	10.3924	ug/L	2.61915	25.2	7.91130
Si 251.611	4310.63	ug/L	99.1047	2.3	22923.2
Si 288.158	4381.01	ug/L	93.7086	2.1	52198.6
Sn 283.998	433.322	ug/L	0.823915	0.2	2004.72
Sr 421.552	43.9562	ug/L	0.012486	0.0	107483
Ti 336.122	2762.98	ug/L	6.71631	0.2	680894
Tl 190.794	0.098737uv	ug/L	1.81645	1839.7	1.31375
V 292.401	149.471	ug/L	0.203006	0.1	5979.54
Zn 202.548	12291.8	ug/L	18.8751	0.2	287607
Zr 339.198	77.4878	ug/L	0.410371	0.5	4622.11

360-24588-A-1-A (Samp) **9/16/2009, 3:41:07 PM** **Rack 1, Tube 33**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.859001	ug/L	0.321147	37.4	7.69861
Al 237.312	137386	ug/L	39.8300	0.0	541999
As 188.980	343.965	ug/L	1.81787	0.5	377.573
B 249.678	25.2027	ug/L	0.163797	0.6	814.586
Ba 493.408	975.306	ug/L	2.73490	0.3	2445465
Be 313.042	6.12831	ug/L	0.014506	0.2	21200.0
Ca 373.690	31754.4	ug/L	49.6204	0.2	159872
Cd 214.439	9.46281	ug/L	0.024569	0.3	377.001
Co 228.615	86.4747	ug/L	0.073267	0.1	807.053
Cr 267.716	357.165	ug/L	0.808917	0.2	17100.0
Cu 327.395	523.611	ug/L	2.34091	0.4	35325.8
Fe 273.955	195628	ug/L	251.763	0.1	2513946
K 404.721	11865.2	ug/L	500.601	4.2	167.102
Li 610.365	126.638	ug/L	0.052259	0.0	9635.43
Mg 279.078	39433.1	ug/L	67.3989	0.2	177591
Mn 257.610	2785.19	ug/L	3.29039	0.1	830599
Mo 202.032	13.5318	ug/L	0.615044	4.5	132.421
Na 330.237	46.1075	ug/L	42.4017	92.0	25.6843
Ni 216.555	285.565	ug/L	0.122786	0.0	2396.44
Pb 220.353	19382.5	ug/L	12.6934	0.1	100906
Sb 217.582	5.04124	ug/L	0.674722	13.4	13.1754
Se 196.026	10.3960	ug/L	2.78381	26.8	7.91333
Si 251.611	4325.79	ug/L	90.5466	2.1	23003.6
Si 288.158	4414.89	ug/L	85.2122	1.9	52599.3
Sn 283.998	167.632	ug/L	0.370633	0.2	783.382
Sr 421.552	169.019	ug/L	0.401858	0.2	413166
Ti 336.122	5301.94	ug/L	2.24562	0.0	1306543
Tl 190.794	0.396547uv	ug/L	1.31901	332.6	1.55060
V 292.401	662.133	ug/L	1.41214	0.2	26428.9
Zn 202.548	2065.66	ug/L	4.95682	0.2	48374.3
Zr 339.198	86.0922	ug/L	8.93657	10.4	5134.42

360-24588-A-2-A (Samp) **9/16/2009, 3:44:01 PM** **Rack 1, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.25315	ug/L	0.194333	8.6	19.7861
Al 237.312	134720	ug/L	392.135	0.3	531643
As 188.980	886.867	ug/L	4.54600	0.5	970.580
B 249.678	24.2087	ug/L	0.037681	0.2	784.754
Ba 493.408	772.630	ug/L	2.13608	0.3	1937315
Be 313.042	6.48948	ug/L	0.024315	0.4	22439.0
Ca 373.690	27914.6	ug/L	89.6865	0.3	141146
Cd 214.439	10.4843	ug/L	0.084089	0.8	417.269
Co 228.615	84.2385	ug/L	0.245021	0.3	786.580
Cr 267.716	437.393	ug/L	1.83471	0.4	20935.6
Cu 327.395	427.293	ug/L	4.21429	1.0	28842.3
Fe 273.955	185507	ug/L	976.857	0.5	2386070
K 404.721	10431.4	ug/L	409.646	3.9	147.534
Li 610.365	124.594	ug/L	0.015850	0.0	9480.10
Mg 279.078	40332.7	ug/L	143.766	0.4	181527
Mn 257.610	3187.25	ug/L	4.78488	0.2	950494
Mo 202.032	12.6830	ug/L	0.618141	4.9	124.709
Na 330.237	382.097	ug/L	75.2075	19.7	70.8186
Ni 216.555	278.256	ug/L	1.09331	0.4	2335.22
Pb 220.353	10629.3	ug/L	20.5337	0.2	55340.1
Sb 217.582	1.09131uv	ug/L	1.99011	182.4	5.62708
Se 196.026	6.05373	ug/L	3.48409	57.6	5.51350
Si 251.611	4813.44	ug/L	41.4048	0.9	25592.2
Si 288.158	4910.36	ug/L	37.4528	0.8	58460.4
Sn 283.998	172.666	ug/L	0.066022	0.0	806.521
Sr 421.552	140.952	ug/L	0.692368	0.5	344564
Ti 336.122	5407.16	ug/L	14.5810	0.3	1332470
Tl 190.794	0.625113uv	ug/L	1.22901	196.6	1.73238
V 292.401	643.543	ug/L	1.97773	0.3	25687.3
Zn 202.548	1267.40	ug/L	8.05465	0.6	29699.8
Zr 339.198	40.1237	ug/L	9.04756	22.5	2397.47

360-24588-A-3-A (Samp) **9/16/2009, 3:46:54 PM** **Rack 1, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.533008	ug/L	0.524759	98.5	4.87219
Al 237.312	141141	ug/L	249.553	0.2	556585
As 188.980	341.492	ug/L	4.94875	1.4	374.872
B 249.678	18.3488	ug/L	0.113127	0.6	608.880
Ba 493.408	1101.49	ug/L	3.08418	0.3	2761840
Be 313.042	6.61699	ug/L	0.019129	0.3	22876.4
Ca 373.690	28736.2	ug/L	35.9934	0.1	145166
Cd 214.439	24.5068	ug/L	0.045370	0.2	970.052
Co 228.615	107.221	ug/L	0.487215	0.5	996.987
Cr 267.716	234.404	ug/L	0.524719	0.2	11231.1
Cu 327.395	399.466	ug/L	0.689757	0.2	26969.1
Fe 273.955	215150	ug/L	774.171	0.4	2760622
K 404.721	16523.8	ug/L	154.084	0.9	232.061
Li 610.365	149.018	ug/L	0.339721	0.2	11335.9
Mg 279.078	47250.7	ug/L	77.1603	0.2	211629

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3700.15	ug/L	4.91677	0.1	1103442
Mo 202.032	9.69450	ug/L	0.461917	4.8	97.5585
Na 330.237	104.550	ug/L	1.58526	1.5	33.5304
Ni 216.555	287.092	ug/L	1.19708	0.4	2409.24
Pb 220.353	5892.96	ug/L	9.43062	0.2	30683.9
Sb 217.582	3.81786	ug/L	3.92719	102.9	10.8375
Se 196.026	5.93620	ug/L	2.12503	35.8	5.44855
Si 251.611	3768.14	ug/L	70.0434	1.9	20043.5
Si 288.158	3850.39	ug/L	66.2500	1.7	45921.7
Sn 283.998	84.4505	ug/L	0.209971	0.2	401.010
Sr 421.552	164.037	ug/L	0.365346	0.2	400988
Ti 336.122	6153.24	ug/L	7.24059	0.1	1516319
Tl 190.794	0.969487	ug/L	0.168228	17.4	2.00626
V 292.401	461.060	ug/L	1.16189	0.3	18408.4
Zn 202.548	3893.22	ug/L	33.6715	0.9	91128.5
Zr 339.198	16.8243	ug/L	1.42630	8.5	1010.22

360-24588-A-4-A (Samp) **9/16/2009, 3:49:47 PM** **Rack 1, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.77683	ug/L	0.161818	9.1	15.6564
Al 237.312	132898	ug/L	79.0302	0.1	524565
As 188.980	420.047	ug/L	0.261432	0.1	460.677
B 249.678	21.7662	ug/L	0.632338	2.9	711.447
Ba 493.408	935.056	ug/L	2.44648	0.3	2344552
Be 313.042	5.69006	ug/L	0.012504	0.2	19696.6
Ca 373.690	58422.1	ug/L	123.233	0.2	285366
Cd 214.439	10.6058	ug/L	0.080018	0.8	422.057
Co 228.615	85.9085	ug/L	0.419602	0.5	801.870
Cr 267.716	296.487	ug/L	0.456680	0.2	14199.1
Cu 327.395	578.575	ug/L	2.42023	0.4	39025.6
Fe 273.955	199948	ug/L	406.178	0.2	2568529
K 404.721	10588.7	ug/L	136.614	1.3	149.668
Li 610.365	117.388	ug/L	0.044771	0.0	8932.60
Mg 279.078	41553.9	ug/L	106.809	0.3	186863
Mn 257.610	3523.67	ug/L	6.28938	0.2	1050815
Mo 202.032	7.51027	ug/L	0.541274	7.2	77.7146
Na 330.237	407.507	ug/L	65.9502	16.2	74.2343
Ni 216.555	251.383	ug/L	0.472066	0.2	2110.11
Pb 220.353	7693.16	ug/L	20.6963	0.3	40055.2
Sb 217.582	0.429959uv	ug/L	2.17128	505.0	4.36322
Se 196.026	4.03247uv	ug/L	6.83051	169.4	4.39642
Si 251.611	4757.50	ug/L	101.647	2.1	25295.2
Si 288.158	4850.74	ug/L	87.5873	1.8	57755.1
Sn 283.998	121.434	ug/L	0.284478	0.2	571.016
Sr 421.552	166.816	ug/L	0.484668	0.3	407782
Ti 336.122	5233.67	ug/L	14.5609	0.3	1289719
Tl 190.794	1.50645	ug/L	1.01889	67.6	2.43330
V 292.401	466.091	ug/L	1.06133	0.2	18609.1
Zn 202.548	1635.09	ug/L	15.3933	0.9	38301.5
Zr 339.198	19.6983	ug/L	3.35862	17.1	1181.34

360-24588-A-5-A (Samp) **9/16/2009, 3:52:40 PM** **Rack 1, Tube 37**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.749759	ug/L	0.162356	21.7	6.75146
Al 237.312	131651	ug/L	509.238	0.4	519720
As 188.980	138.126	ug/L	1.83393	1.3	152.738
B 249.678	16.8085	ug/L	0.489177	2.9	562.652
Ba 493.408	681.036	ug/L	1.84856	0.3	1707672
Be 313.042	6.07604	ug/L	0.022495	0.4	21020.7
Ca 373.690	39127.3	ug/L	181.511	0.5	195366
Cd 214.439	5.36577	ug/L	0.011031	0.2	215.491
Co 228.615	111.959	ug/L	0.141732	0.1	1040.36
Cr 267.716	248.455	ug/L	0.807763	0.3	11902.8
Cu 327.395	285.173	ug/L	0.328306	0.1	19275.7
Fe 273.955	235571	ug/L	1095.85	0.5	3018644
K 404.721	17111.7	ug/L	85.0172	0.5	240.409
Li 610.365	162.129	ug/L	0.869900	0.5	12332.1
Mg 279.078	55598.9	ug/L	191.786	0.3	247552
Mn 257.610	3752.42	ug/L	5.12652	0.1	1119027
Mo 202.032	5.84129	ug/L	0.211263	3.6	62.5519
Na 330.237	240.337	ug/L	15.6230	6.5	51.7678
Ni 216.555	313.839	ug/L	0.721500	0.2	2633.29
Pb 220.353	3774.69	ug/L	17.5722	0.5	19656.8
Sb 217.582	-0.711946uv	ug/L	0.768401	107.9	2.18103
Se 196.026	1.71443uv	ug/L	3.62227	211.3	3.11533
Si 251.611	3585.60	ug/L	45.0068	1.3	19074.6
Si 288.158	3664.93	ug/L	40.9984	1.1	43727.8
Sn 283.998	83.2150	ug/L	0.189951	0.2	395.330
Sr 421.552	141.742	ug/L	0.480849	0.3	346493
Ti 336.122	6432.14	ug/L	28.9075	0.4	1585046
Tl 190.794	0.597063	ug/L	0.236903	39.7	1.71007
V 292.401	343.524	ug/L	0.939968	0.3	13720.0
Zn 202.548	840.579	ug/L	13.8611	1.6	19714.7
Zr 339.198	19.7882	ug/L	0.900436	4.6	1186.69

360-24588-A-6-A (Samp) **9/16/2009, 3:55:33 PM** **Rack 1, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.847737	ug/L	0.081257	9.6	7.60095
Al 237.312	85827.8	ug/L	449.786	0.5	341717
As 188.980	55.2980	ug/L	1.15787	2.1	62.2655
B 249.678	9.47045	ug/L	0.109850	1.2	342.412
Ba 493.408	312.129	ug/L	1.74455	0.6	782746
Be 313.042	5.20754	ug/L	0.023600	0.5	18041.3
Ca 373.690	28492.7	ug/L	176.101	0.6	143975
Cd 214.439	3.62048	ug/L	0.114882	3.2	146.690
Co 228.615	89.0637	ug/L	0.013228	0.0	830.755
Cr 267.716	121.489	ug/L	0.837995	0.7	5832.85
Cu 327.395	205.042	ug/L	0.643621	0.3	13881.8
Fe 273.955	185526	ug/L	640.241	0.3	2386306
K 404.721	16441.4	ug/L	91.6753	0.6	230.893
Li 610.365	90.0828	ug/L	0.133144	0.1	6857.85
Mg 279.078	40798.8	ug/L	215.201	0.5	183565

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2719.61	ug/L	10.9287	0.4	811044
Mo 202.032	4.57784	ug/L	0.018368	0.4	51.0733
Na 330.237	165.855	ug/L	7.27525	4.4	41.7629
Ni 216.555	214.140	ug/L	1.09346	0.5	1798.14
Pb 220.353	1032.36	ug/L	8.14675	0.8	5381.06
Sb 217.582	-0.958082uv	ug/L	0.319678	33.4	1.71066
Se 196.026	-2.11496uv	ug/L	0.057241	2.7	0.998962
Si 251.611	2329.60	ug/L	14.5622	0.6	12407.4
Si 288.158	2382.39	ug/L	20.6944	0.9	28556.2
Sn 283.998	36.6684	ug/L	1.58049	4.3	181.363
Sr 421.552	128.188	ug/L	0.522152	0.4	313366
Ti 336.122	5745.09	ug/L	10.3062	0.2	1415743
Tl 190.794	-0.890392uv	ug/L	0.250822	28.2	0.527100
V 292.401	238.699	ug/L	0.767734	0.3	9538.73
Zn 202.548	567.596	ug/L	0.513973	0.1	13328.5
Zr 339.198	20.3689	ug/L	1.44004	7.1	1221.27

360-24588-A-7-A (Samp) **9/16/2009, 3:58:27 PM** **Rack 1, Tube 39**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.264445	ug/L	0.208231	78.7	2.54370
Al 237.312	122369	ug/L	296.211	0.2	483664
As 188.980	155.051	ug/L	0.407739	0.3	171.224
B 249.678	13.0391	ug/L	0.253642	1.9	449.519
Ba 493.408	331.138	ug/L	1.08308	0.3	830404
Be 313.042	5.26565	ug/L	0.013671	0.3	18240.7
Ca 373.690	36114.1	ug/L	81.6073	0.2	180934
Cd 214.439	5.08334	ug/L	0.163738	3.2	204.357
Co 228.615	95.7967	ug/L	0.558577	0.6	892.396
Cr 267.716	190.782	ug/L	0.510984	0.3	9145.62
Cu 327.395	301.965	ug/L	0.819944	0.3	20406.1
Fe 273.955	198703	ug/L	935.801	0.5	2552809
K 404.721	37619.8	ug/L	963.618	2.6	552.852
Li 610.365	115.182	ug/L	0.166715	0.1	8764.92
Mg 279.078	54600.9	ug/L	140.085	0.3	243280
Mn 257.610	3095.33	ug/L	13.7927	0.4	923085
Mo 202.032	5.77541	ug/L	0.424578	7.4	61.9534
Na 330.237	219.121	ug/L	8.70019	4.0	48.9177
Ni 216.555	324.397	ug/L	1.30086	0.4	2721.73
Pb 220.353	1770.39	ug/L	3.85655	0.2	9223.00
Sb 217.582	0.286762	ug/L	0.177669	62.0	4.08957
Se 196.026	1.87255	ug/L	1.78365	95.3	3.20271
Si 251.611	3390.86	ug/L	7.07210	0.2	18040.8
Si 288.158	3450.05	ug/L	20.2523	0.6	41186.0
Sn 283.998	59.3987	ug/L	0.930683	1.6	285.850
Sr 421.552	270.211	ug/L	1.34274	0.5	660504
Ti 336.122	5535.60	ug/L	18.9393	0.3	1364121
Tl 190.794	0.444023uv	ug/L	0.786587	177.1	1.58836
V 292.401	284.996	ug/L	0.876913	0.3	11385.4
Zn 202.548	785.762	ug/L	7.75647	1.0	18432.3
Zr 339.198	23.7076	ug/L	0.530089	2.2	1420.06

360-24588-A-8-A (Samp) **9/16/2009, 4:01:21 PM** **Rack 1, Tube 40**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.15840	ug/L	0.472731	40.8	10.2944
Al 237.312	153646	ug/L	590.655	0.4	605160
As 188.980	480.444	ug/L	5.13682	1.1	526.648
B 249.678	21.7682	ug/L	0.718065	3.3	711.505
Ba 493.408	604.477	ug/L	3.17680	0.5	1515721
Be 313.042	6.24301	ug/L	0.026085	0.4	21593.5
Ca 373.690	48407.9	ug/L	152.042	0.3	239177
Cd 214.439	6.62019	ug/L	0.081749	1.2	264.941
Co 228.615	96.1623	ug/L	0.038222	0.0	895.743
Cr 267.716	324.666	ug/L	1.38182	0.4	15546.3
Cu 327.395	430.439	ug/L	1.87748	0.4	29054.1
Fe 273.955	219195	ug/L	464.912	0.2	2811724
K 404.721	16957.5	ug/L	555.065	3.3	238.224
Li 610.365	137.078	ug/L	0.465129	0.3	10428.7
Mg 279.078	43897.1	ug/L	134.052	0.3	197075
Mn 257.610	3187.46	ug/L	9.57788	0.3	950557
Mo 202.032	12.0555	ug/L	0.357117	3.0	119.009
Na 330.237	362.755	ug/L	25.3190	7.0	68.2181
Ni 216.555	265.935	ug/L	1.06444	0.4	2232.01
Pb 220.353	4613.90	ug/L	14.5271	0.3	24025.5
Sb 217.582	1.05647	ug/L	0.028682	2.7	5.56049
Se 196.026	8.29767	ug/L	3.24451	39.1	6.75365
Si 251.611	4014.96	ug/L	28.2594	0.7	21353.7
Si 288.158	4103.31	ug/L	24.6819	0.6	48913.5
Sn 283.998	122.561	ug/L	0.203810	0.2	576.195
Sr 421.552	172.080	ug/L	0.764432	0.4	420647
Ti 336.122	6597.13	ug/L	23.8683	0.4	1625701
Tl 190.794	0.563295uv	ug/L	2.96979	527.2	1.68321
V 292.401	478.053	ug/L	1.54457	0.3	19086.2
Zn 202.548	1109.50	ug/L	4.75554	0.4	26005.8
Zr 339.198	36.8986	ug/L	6.09105	16.5	2205.45

CCV (CCV) **9/16/2009, 4:04:14 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	1011.69	ug/L	1.64265	0.2	8771.81	101.16920
Al 237.312	5048.68	ug/L	4.67802	0.1	22638.0	100.97360
As 188.980	1011.14	ug/L	2.84724	0.3	1106.32	101.11420
B 249.678	976.328	ug/L	13.1778	1.3	29360.9	97.63274
Ba 493.408	1008.81	ug/L	0.635162	0.1	2529457	100.88060
Be 313.042	1014.97	ug/L	0.139445	0.0	3481997	101.49730
Ca 373.690	20282.2	ug/L	19.4427	0.1	103431	101.41110
Cd 214.439	1012.68	ug/L	0.220280	0.0	39924.8	101.26790
Co 228.615	1012.45	ug/L	1.40183	0.1	9284.39	101.24540
Cr 267.716	1013.63	ug/L	0.814614	0.1	48484.2	101.36270
Cu 327.395	1001.52	ug/L	1.76971	0.2	67495.8	100.15240
Fe 273.955	5087.93	ug/L	6.73374	0.1	79707.6	101.75850
K 404.721	20821.4	ug/L	159.012	0.8	293.873	104.10690
Li 610.365	5068.49	ug/L	0.423643	0.0	385129	101.36970
Mg 279.078	20275.4	ug/L	2.34091	0.0	92546.2	101.37710

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	1012.41	ug/L	0.873353	0.1	301956	101.24060
Mo 202.032	1012.06	ug/L	1.22004	0.1	9204.11	101.20590
Na 330.237	20425.4	ug/L	20.2161	0.1	2871.97	102.12690
Ni 216.555	1011.37	ug/L	4.21890	0.4	8476.30	101.13670
Pb 220.353	1016.38	ug/L	0.757516	0.1	5297.86	101.63820
Sb 217.582	1001.05	ug/L	3.99996	0.4	1916.56	100.10500
Se 196.026	1007.18	ug/L	3.54935	0.4	558.803	100.71850
Si 251.611	1043.44	ug/L	11.6717	1.1	5580.14	104.34410
Si 288.158	1043.25	ug/L	10.8729	1.0	12715.1	104.32490
Sn 283.998	1011.33	ug/L	0.309661	0.0	4661.74	101.13330
Sr 421.552	1010.45	ug/L	1.22863	0.1	2469815	101.04470
Ti 336.122	1015.93	ug/L	0.359207	0.0	250388	101.59340
Tl 190.794	1013.42	ug/L	0.745906	0.1	807.209	101.34250
V 292.401	1013.27	ug/L	0.216051	0.0	40435.4	101.32730
Zn 202.548	1014.42	ug/L	0.285320	0.0	23781.5	101.44170
Zr 339.198	897.330	ug/L	7.31094	0.8	53435.3	89.73300Q

CCB (CCB) **9/16/2009, 4:07:08 PM** **Rack 4, Tube 3**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.169142uv	ug/L	0.363897	215.1	1.71741	0.16914
Al 237.312	-0.032243uv	ug/L	0.810344	2513.3	11.1869	-0.03224
As 188.980	-0.097092uv	ug/L	1.71300	1764.3	1.75812	-0.09709
B 249.678	21.2214	ug/L	3.16685	14.9	695.095	21.22136
Ba 493.408	0.071249	ug/L	0.000486	0.7	352.804	0.07125
Be 313.042	0.068918	ug/L	0.001890	2.7	413.518	0.06892
Ca 373.690	0.336993	ug/L	0.062471	18.5	33.5740	0.33699
Cd 214.439	0.001699uv	ug/L	0.077018	4533.5	4.03372	0.00170
Co 228.615	0.115864	ug/L	0.075488	65.2	16.4385	0.11586
Cr 267.716	0.081338	ug/L	0.048342	59.4	28.5728	0.08134
Cu 327.395	-0.067241uv	ug/L	0.007573	11.3	75.1542	-0.06724
Fe 273.955	3.76791	ug/L	1.64871	43.8	99.4025	3.76791
K 404.721	230.676	ug/L	312.214	135.3	14.1345	230.67560
Li 610.365	0.018790uv	ug/L	0.084247	448.4	14.5772	0.01879
Mg 279.078	1.79800	ug/L	0.006920	0.4	25.2243	1.79800
Mn 257.610	0.022056	ug/L	0.000415	1.9	62.7317	0.02206
Mo 202.032	10.6451	ug/L	2.11719	19.9	106.195	10.64514
Na 330.237	-98.1578uv	ug/L	18.1319	18.5	6.32068	-98.15775
Ni 216.555	0.039000uv	ug/L	0.230392	590.8	4.66997	0.03900
Pb 220.353	-0.509853uv	ug/L	0.058872	11.5	4.22427	-0.50985
Sb 217.582	0.836172	ug/L	0.958695	114.7	5.13950	0.83617
Se 196.026	3.40523	ug/L	0.329136	9.7	4.04977	3.40523
Si 251.611	11.6464	ug/L	1.51888	13.0	103.134	11.64643
Si 288.158	12.3026	ug/L	1.57186	12.8	519.705	12.30256
Sn 283.998	0.756652	ug/L	0.300044	39.7	16.2824	0.75665
Sr 421.552	0.072346	ug/L	0.004386	6.1	219.924	0.07235
Ti 336.122	0.889333	ug/L	0.326197	36.7	260.878	0.88933
Tl 190.794	1.89210	ug/L	0.774410	40.9	2.74001	1.89210
V 292.401	0.088961	ug/L	0.003534	4.0	20.9378	0.08896
Zn 202.548	-0.174473uv	ug/L	0.006218	3.6	45.9744	-0.17447
Zr 339.198	0.432659	ug/L	0.108083	25.0	34.2719	0.43266

360-24588-A-9-A (Samp) **9/16/2009, 4:10:01 PM** **Rack 1, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.83362	ug/L	0.610934	12.6	42.1593
Al 237.312	166831	ug/L	278.478	0.2	656378
As 188.980	536.053	ug/L	3.19665	0.6	587.389
B 249.678	42.8899	ug/L	0.621591	1.4	1345.44
Ba 493.408	1990.65	ug/L	7.69945	0.4	4991146
Be 313.042	8.30591	ug/L	0.057302	0.7	28670.2
Ca 373.690	69343.7	ug/L	234.146	0.3	334458
Cd 214.439	16.0305	ug/L	0.105449	0.7	635.905
Co 228.615	100.729	ug/L	0.070278	0.1	937.553
Cr 267.716	601.501	ug/L	1.54848	0.3	28781.3
Cu 327.395	1943.38	ug/L	3.71749	0.2	130896
Fe 273.955	229345	ug/L	413.193	0.2	2939978
K 404.721	13093.4	ug/L	657.619	5.0	184.028
Li 610.365	133.922	ug/L	0.072236	0.1	10188.9
Mg 279.078	46305.6	ug/L	167.344	0.4	207534
Mn 257.610	4080.73	ug/L	8.21943	0.2	1216930
Mo 202.032	17.7131	ug/L	1.71170	9.7	170.408
Na 330.237	179.604	ug/L	22.2950	12.4	43.6096
Ni 216.555	385.022	ug/L	1.41544	0.4	3229.57
Pb 220.353	-x	ug/L	274.203	0.3	450556
Sb 217.582	1.41077	ug/L	1.64195	116.4	6.23755
Se 196.026	19.6622	ug/L	3.98973	20.3	13.0344
Si 251.611	5233.23	ug/L	114.779	2.2	27820.5
Si 288.158	5326.76	ug/L	119.338	2.2	63386.1
Sn 283.998	271.487	ug/L	1.12835	0.4	1260.79
Sr 421.552	303.347	ug/L	0.942083	0.3	741494
Ti 336.122	5749.13	ug/L	33.1898	0.6	1416737
Tl 190.794	2.63299	ug/L	0.492880	18.7	3.32924
V 292.401	1232.02	ug/L	4.45110	0.4	49161.0
Zn 202.548	3932.21	ug/L	44.3059	1.1	92040.6
Zr 339.198	107.797	ug/L	12.0647	11.2	6426.73

360-24588-A-10-A (Samp) **9/16/2009, 4:12:55 PM** **Rack 1, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.59890	ug/L	0.490830	18.9	22.7838
Al 237.312	92091.7	ug/L	361.829	0.4	366049
As 188.980	126.961	ug/L	0.909644	0.7	140.542
B 249.678	15.3588	ug/L	0.082557	0.5	519.141
Ba 493.408	974.690	ug/L	5.35380	0.5	2443922
Be 313.042	4.19856	ug/L	0.019568	0.5	14580.1
Ca 373.690	24149.7	ug/L	99.8098	0.4	122623
Cd 214.439	8.98746	ug/L	0.067160	0.7	358.262
Co 228.615	76.9427	ug/L	0.312396	0.4	719.788
Cr 267.716	442.410	ug/L	2.00604	0.5	21175.5
Cu 327.395	5439.52	ug/L	19.3726	0.4	366233
Fe 273.955	176638	ug/L	271.695	0.2	2273998
K 404.721	11326.8	ug/L	176.523	1.6	159.727
Li 610.365	106.041	ug/L	0.317667	0.3	8070.43
Mg 279.078	38076.9	ug/L	137.502	0.4	171646

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2433.88	ug/L	9.58565	0.4	725840
Mo 202.032	10.6372	ug/L	0.648069	6.1	106.123
Na 330.237	10.8968uv	ug/L	24.4629	224.5	20.9578
Ni 216.555	244.729	ug/L	2.13913	0.9	2054.37
Pb 220.353	-x	ug/L	73.2781	0.2	159207
Sb 217.582	-0.449953uv	ug/L	0.570564	126.8	2.68170
Se 196.026	5.10421	ug/L	0.233650	4.6	4.98874
Si 251.611	3814.67	ug/L	12.6221	0.3	20290.5
Si 288.158	3887.06	ug/L	25.3935	0.7	46355.4
Sn 283.998	187.022	ug/L	1.05781	0.6	872.514
Sr 421.552	135.471	ug/L	0.668102	0.5	331167
Ti 336.122	4350.22	ug/L	26.9063	0.6	1072021
Tl 190.794	1.26759	ug/L	0.745344	58.8	2.24334
V 292.401	762.775	ug/L	3.59617	0.5	30443.3
Zn 202.548	2816.36	ug/L	5.58711	0.2	65936.4
Zr 339.198	13.0765	ug/L	2.01532	15.4	787.084

360-24588-A-11-A (Samp) **9/16/2009, 4:15:48 PM** **Rack 1, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.681770	ug/L	0.597833	87.7	6.16199
Al 237.312	136550	ug/L	407.349	0.3	538748
As 188.980	144.417	ug/L	1.74910	1.2	159.609
B 249.678	18.6563	ug/L	0.419799	2.3	618.110
Ba 493.408	719.830	ug/L	2.62878	0.4	1804935
Be 313.042	7.18434	ug/L	0.026953	0.4	24822.7
Ca 373.690	51240.5	ug/L	242.328	0.5	252356
Cd 214.439	5.91974	ug/L	0.086994	1.5	237.329
Co 228.615	104.794	ug/L	0.003048	0.0	974.766
Cr 267.716	218.962	ug/L	0.798549	0.4	10492.8
Cu 327.395	648.560	ug/L	6.02038	0.9	43736.6
Fe 273.955	209710	ug/L	630.132	0.3	2691881
K 404.721	14419.0	ug/L	207.133	1.4	202.447
Li 610.365	117.673	ug/L	0.127398	0.1	8954.21
Mg 279.078	43033.1	ug/L	183.522	0.4	193313
Mn 257.610	4810.67	ug/L	25.2936	0.5	1434598
Mo 202.032	9.44105	ug/L	0.032541	0.3	95.2559
Na 330.237	376.525	ug/L	44.9084	11.9	70.0692
Ni 216.555	266.620	ug/L	0.728600	0.3	2237.75
Pb 220.353	8054.97	ug/L	51.1796	0.6	41938.6
Sb 217.582	-0.270713uv	ug/L	1.38310	510.9	3.02423
Se 196.026	2.02606uv	ug/L	3.69431	182.3	3.28755
Si 251.611	4500.11	ug/L	40.8548	0.9	23928.9
Si 288.158	4595.33	ug/L	56.4070	1.2	54733.8
Sn 283.998	76.1416	ug/L	0.902889	1.2	362.815
Sr 421.552	196.576	ug/L	0.524320	0.3	480521
Ti 336.122	5977.87	ug/L	12.7314	0.2	1473103
Tl 190.794	1.44538	ug/L	1.16061	80.3	2.38474
V 292.401	323.812	ug/L	0.719644	0.2	12933.8
Zn 202.548	1296.03	ug/L	9.81231	0.8	30369.6
Zr 339.198	20.9261	ug/L	1.02630	4.9	1254.44

360-24588-A-12-A (Samp) **9/16/2009, 4:18:42 PM** **Rack 1, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.23420	ug/L	0.556438	24.9	19.6218
Al 237.312	150799	ug/L	812.875	0.5	594103
As 188.980	355.695	ug/L	1.86632	0.5	390.386
B 249.678	21.6984	ug/L	0.229704	1.1	709.411
Ba 493.408	1219.74	ug/L	6.65226	0.5	3058303
Be 313.042	6.85954	ug/L	0.037881	0.6	23708.4
Ca 373.690	45235.9	ug/L	277.738	0.6	224311
Cd 214.439	17.2149	ug/L	0.203850	1.2	682.596
Co 228.615	104.812	ug/L	0.271407	0.3	974.933
Cr 267.716	390.879	ug/L	2.12272	0.5	18711.8
Cu 327.395	3966.06	ug/L	51.1392	1.3	267049
Fe 273.955	257505	ug/L	1634.69	0.6	3295794
K 404.721	13080.3	ug/L	242.884	1.9	183.838
Li 610.365	128.425	ug/L	1.05801	0.8	9771.21
Mg 279.078	45209.5	ug/L	215.668	0.5	202779
Mn 257.610	3818.01	ug/L	28.3720	0.7	1138586
Mo 202.032	13.1859	ug/L	0.230892	1.8	129.278
Na 330.237	150.579	ug/L	6.25505	4.2	39.7114
Ni 216.555	296.152	ug/L	1.21128	0.4	2485.13
Pb 220.353	-x	ug/L	118.935	0.4	146133
Sb 217.582	-0.804025uv	ug/L	0.052892	6.6	2.00507
Se 196.026	11.0568	ug/L	0.060911	0.6	8.27853
Si 251.611	5059.00	ug/L	66.2277	1.3	26895.7
Si 288.158	5160.68	ug/L	69.6835	1.4	61421.5
Sn 283.998	155.747	ug/L	0.984119	0.6	728.747
Sr 421.552	176.397	ug/L	0.823397	0.5	431200
Ti 336.122	5416.02	ug/L	28.8892	0.5	1334653
Tl 190.794	0.524519uv	ug/L	0.826758	157.6	1.65237
V 292.401	589.882	ug/L	3.57338	0.6	23546.9
Zn 202.548	3838.36	ug/L	36.3623	0.9	89845.2
Zr 339.198	21.1254	ug/L	4.44282	21.0	1266.31

360-24600-A-1-A (Samp) **9/16/2009, 4:21:36 PM** **Rack 1, Tube 45**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.897986	ug/L	0.663460	73.9	8.03662
Al 237.312	31.6096	ug/L	0.492286	1.6	155.105
As 188.980	0.230218	ug/L	0.207067	89.9	2.11563
B 249.678	1.91207	ug/L	0.128423	6.7	115.562
Ba 493.408	3.32716	ug/L	0.005177	0.2	8516.05
Be 313.042	-0.006791uv	ug/L	0.000563	8.3	153.800
Ca 373.690	349.094	ug/L	0.660949	0.2	1850.55
Cd 214.439	-0.013947uv	ug/L	0.040883	293.1	3.41696
Co 228.615	0.236907	ug/L	0.125166	52.8	17.5467
Cr 267.716	1.74141	ug/L	0.057488	3.3	107.938
Cu 327.395	2.79075	ug/L	0.163148	5.8	267.536
Fe 273.955	67.6335	ug/L	2.65889	3.9	1121.00
K 404.721	335.546	ug/L	310.506	92.5	15.4541
Li 610.365	0.191554	ug/L	0.011360	5.9	27.7041
Mg 279.078	59.9972	ug/L	0.560034	0.9	294.536

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1.95983	ug/L	0.014625	0.7	640.575
Mo 202.032	0.116397uv	ug/L	0.299168	257.0	10.5408
Na 330.237	234.815	ug/L	2.01364	0.9	51.0260
Ni 216.555	0.203677	ug/L	0.021575	10.6	6.04942
Pb 220.353	2.65587	ug/L	0.074491	2.8	20.7041
Sb 217.582	-0.904912uv	ug/L	0.314359	34.7	1.81227
Se 196.026	3.29450	ug/L	1.98136	60.1	3.98858
Si 251.611	203.934	ug/L	8.93945	4.4	1123.84
Si 288.158	207.930	ug/L	9.04062	4.3	2833.85
Sn 283.998	9.05479	ug/L	0.289435	3.2	54.4276
Sr 421.552	0.594869	ug/L	0.001471	0.2	1497.09
Ti 336.122	4.19796	ug/L	0.774974	18.5	1076.19
Tl 190.794	0.752299	ug/L	0.923244	122.7	1.83353
V 292.401	0.189794	ug/L	0.094216	49.6	24.9599
Zn 202.548	5.69208	ug/L	0.000580	0.0	183.217
Zr 339.198	0.017929uv	ug/L	0.055128	307.5	9.57898

CCV (CCV) **9/16/2009, 4:38:54 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	1012.00	ug/L	0.636931	0.1	8774.46	101.19980
Al 237.312	5044.21	ug/L	1.59686	0.0	22618.3	100.88430
As 188.980	1010.61	ug/L	1.87536	0.2	1105.74	101.06080
B 249.678	975.736	ug/L	5.58051	0.6	29343.1	97.57361
Ba 493.408	1009.65	ug/L	1.08474	0.1	2531580	100.96520
Be 313.042	1013.75	ug/L	0.525496	0.1	3477800	101.37490
Ca 373.690	20281.9	ug/L	10.4243	0.1	103429	101.40950
Cd 214.439	1009.26	ug/L	0.085281	0.0	39790.1	100.92590
Co 228.615	1011.44	ug/L	0.925359	0.1	9275.14	101.14440
Cr 267.716	1012.89	ug/L	0.001554	0.0	48449.1	101.28920
Cu 327.395	1009.57	ug/L	1.76362	0.2	68037.5	100.95710
Fe 273.955	5065.89	ug/L	0.037979	0.0	79370.0	101.31770
K 404.721	20327.5	ug/L	378.711	1.9	286.681	101.63760
Li 610.365	5069.66	ug/L	1.01543	0.0	385218	101.39310
Mg 279.078	20223.3	ug/L	8.85955	0.0	92311.7	101.11640
Mn 257.610	1010.85	ug/L	0.235515	0.0	301493	101.08540
Mo 202.032	1012.49	ug/L	0.765328	0.1	9208.05	101.24930
Na 330.237	20248.4	ug/L	37.8716	0.2	2846.30	101.24180
Ni 216.555	1012.02	ug/L	2.38575	0.2	8481.78	101.20200
Pb 220.353	1011.56	ug/L	1.90087	0.2	5272.77	101.15620
Sb 217.582	1000.62	ug/L	2.22732	0.2	1915.73	100.06190
Se 196.026	1012.66	ug/L	0.106990	0.0	561.831	101.26640
Si 251.611	1033.85	ug/L	12.0691	1.2	5529.21	103.38460
Si 288.158	1031.91	ug/L	11.0867	1.1	12581.0	103.19080
Sn 283.998	1010.00	ug/L	1.93820	0.2	4655.61	101.00000
Sr 421.552	1011.38	ug/L	0.604347	0.1	2472082	101.13750
Ti 336.122	1012.87	ug/L	1.87687	0.2	249632	101.28670
Tl 190.794	1009.20	ug/L	0.348245	0.0	803.847	100.91980
V 292.401	1012.66	ug/L	1.29544	0.1	40410.9	101.26610
Zn 202.548	1011.26	ug/L	0.163052	0.0	23707.7	101.12640
Zr 339.198	994.905	ug/L	2.53387	0.3	59244.9	99.49052

CCB (CCB) **9/16/2009, 4:41:48 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	0.544631	ug/L	0.635953	116.8	4.97296	0.54463
Al 237.312	-0.693050uv	ug/L	0.217615	31.4	8.18103	-0.69305
As 188.980	0.031652uv	ug/L	0.181014	571.9	1.89874	0.03165
B 249.678	27.0561	ug/L	3.92970	14.5	870.214	27.05612
Ba 493.408	0.094288	ug/L	0.004609	4.9	410.568	0.09429
Be 313.042	0.090030	ug/L	0.008115	9.0	485.941	0.09003
Ca 373.690	0.829015	ug/L	0.286485	34.6	36.1383	0.82902
Cd 214.439	0.019497uv	ug/L	0.055964	287.0	4.73535	0.01950
Co 228.615	0.036101uv	ug/L	0.238675	661.1	15.7083	0.03610
Cr 267.716	-0.038687uv	ug/L	0.076843	198.6	22.8347	-0.03869
Cu 327.395	-0.225226uv	ug/L	0.022628	10.0	64.5197	-0.22523
Fe 273.955	1.84189	ug/L	1.04551	56.8	68.5854	1.84189
K 404.721	-3.66010uv	ug/L	328.238	8968.0	11.1886	-3.66010
Li 610.365	0.022261uv	ug/L	0.059963	269.4	14.8408	0.02226
Mg 279.078	1.76784	ug/L	0.264158	14.9	25.0847	1.76784
Mn 257.610	0.058581	ug/L	0.003104	5.3	73.6235	0.05858
Mo 202.032	11.1232	ug/L	2.19666	19.7	110.539	11.12323
Na 330.237	-98.4906uv	ug/L	9.12835	9.3	6.27600	-98.49063
Ni 216.555	-0.040333uv	ug/L	0.095421	236.6	4.00542	-0.04033
Pb 220.353	0.039594	ug/L	0.011723	29.6	7.08453	0.03959
Sb 217.582	-0.410620uv	ug/L	0.122406	29.8	2.75687	-0.41062
Se 196.026	3.11327	ug/L	1.82286	58.6	3.88842	3.11327
Si 251.611	6.11733	ug/L	1.53553	25.1	73.7841	6.11733
Si 288.158	5.59446	ug/L	0.707517	12.6	440.353	5.59446
Sn 283.998	0.212429uv	ug/L	0.885674	416.9	13.7807	0.21243
Sr 421.552	0.095094	ug/L	0.009937	10.4	275.525	0.09509
Ti 336.122	0.634724	ug/L	0.246311	38.8	198.137	0.63472
Tl 190.794	0.443999	ug/L	0.207754	46.8	1.58834	0.44400
V 292.401	0.140066	ug/L	0.027210	19.4	22.9763	0.14007
Zn 202.548	-0.151371uv	ug/L	0.042913	28.3	46.5148	-0.15137
Zr 339.198	0.569393	ug/L	0.078144	13.7	42.4130	0.56939

CCV (CCV) **9/16/2009, 5:16:02 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	1005.90	ug/L	0.394511	0.0	8721.54	100.58950
Al 237.312	5005.68	ug/L	17.1791	0.3	22448.2	100.11350
As 188.980	1000.43	ug/L	3.67209	0.4	1094.63	100.04350
B 249.678	988.183	ug/L	10.2912	1.0	29716.7	98.81832
Ba 493.408	1003.93	ug/L	2.25364	0.2	2517227	100.39280
Be 313.042	1005.94	ug/L	3.10835	0.3	3451017	100.59420
Ca 373.690	20045.3	ug/L	35.6026	0.2	102250	100.22660
Cd 214.439	997.235	ug/L	1.86431	0.2	39316.0	99.72346
Co 228.615	1000.20	ug/L	1.54744	0.2	9172.23	100.02030
Cr 267.716	1002.03	ug/L	2.99239	0.3	47929.9	100.20330
Cu 327.395	999.882	ug/L	2.93309	0.3	67385.3	99.98816
Fe 273.955	5014.12	ug/L	12.7134	0.3	78576.9	100.28240
K 404.721	20487.4	ug/L	388.761	1.9	289.008	102.43690
Li 610.365	5014.80	ug/L	10.0911	0.2	381049	100.29600
Mg 279.078	20013.1	ug/L	21.3458	0.1	91365.5	100.06530

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	1000.37	ug/L	3.03080	0.3	298367	100.03730
Mo 202.032	1004.12	ug/L	5.67054	0.6	9131.94	100.41160
Na 330.237	20074.6	ug/L	51.2887	0.3	2821.11	100.37310
Ni 216.555	997.765	ug/L	3.67261	0.4	8362.37	99.77652
Pb 220.353	1001.43	ug/L	3.32790	0.3	5220.01	100.14270
Sb 217.582	994.702	ug/L	1.72832	0.2	1904.43	99.47023
Se 196.026	997.191	ug/L	2.19616	0.2	553.279	99.71906
Si 251.611	1013.92	ug/L	9.43809	0.9	5423.43	101.39180
Si 288.158	1013.31	ug/L	13.9197	1.4	12360.9	101.33070
Sn 283.998	999.014	ug/L	1.76056	0.2	4605.11	99.90138
Sr 421.552	1003.94	ug/L	2.20936	0.2	2453899	100.39360
Ti 336.122	1002.42	ug/L	2.60474	0.3	247057	100.24170
Tl 190.794	1003.57	ug/L	0.040310	0.0	799.373	100.35720
V 292.401	1002.00	ug/L	3.00218	0.3	39985.8	100.20030
Zn 202.548	997.205	ug/L	2.19007	0.2	23378.8	99.72054
Zr 339.198	1026.14	ug/L	1.46272	0.1	61104.3	102.61350

CCB (CCB) **9/16/2009, 5:18:56 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	0.840177	ug/L	0.471058	56.1	7.53540	0.84018
Al 237.312	-0.258510uv	ug/L	0.030684	11.9	10.1576	-0.25851
As 188.980	0.776166	ug/L	0.352268	45.4	2.71197	0.77617
B 249.678	30.2290	ug/L	4.36407	14.4	965.442	30.22898
Ba 493.408	0.101382	ug/L	0.004896	4.8	428.354	0.10138
Be 313.042	0.104268	ug/L	0.002535	2.4	534.784	0.10427
Ca 373.690	1.61318	ug/L	0.067075	4.2	40.2252	1.61318
Cd 214.439	0.035128	ug/L	0.042789	121.8	5.35155	0.03513
Co 228.615	0.184231	ug/L	0.172028	93.4	17.0644	0.18423
Cr 267.716	-0.011301uv	ug/L	0.003550	31.4	24.1439	-0.01130
Cu 327.395	-0.149409uv	ug/L	0.045237	30.3	69.6232	-0.14941
Fe 273.955	2.51662	ug/L	0.693853	27.6	79.3815	2.51662
K 404.721	487.275	ug/L	292.415	60.0	17.3650	487.27521
Li 610.365	-0.009909uv	ug/L	0.072959	736.3	12.3965	-0.00991
Mg 279.078	2.45080	ug/L	0.363447	14.8	28.2452	2.45080
Mn 257.610	0.078183	ug/L	0.018126	23.2	79.4688	0.07818
Mo 202.032	11.6280	ug/L	2.42355	20.8	115.125	11.62805
Na 330.237	-25.1367uv	ug/L	15.6277	62.2	16.1213	-25.13675
Ni 216.555	0.094545	ug/L	0.033752	35.7	5.13525	0.09454
Pb 220.353	-0.300146uv	ug/L	0.169767	56.6	5.31595	-0.30015
Sb 217.582	1.93565	ug/L	0.725627	37.5	7.24060	1.93565
Se 196.026	3.40941	ug/L	1.46218	42.9	4.05208	3.40941
Si 251.611	2.93928	ug/L	0.909969	31.0	56.9142	2.93928
Si 288.158	3.16676	ug/L	0.428150	13.5	411.635	3.16676
Sn 283.998	-0.456060uv	ug/L	0.329881	72.3	10.7078	-0.45606
Sr 421.552	0.104918	ug/L	0.003941	3.8	299.538	0.10492
Ti 336.122	0.536772	ug/L	0.147604	27.5	174.000	0.53677
Tl 190.794	0.557616uv	ug/L	1.01801	182.6	1.67870	0.55762
V 292.401	0.176707	ug/L	0.110206	62.4	24.4379	0.17671
Zn 202.548	-0.172445uv	ug/L	0.032136	18.6	46.0218	-0.17244
Zr 339.198	0.612995	ug/L	0.136826	22.3	45.0090	0.61300

360-24607-A-1-A@5 (Samp) **9/16/2009, 5:27:37 PM** **Rack 2, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	18.5290	ug/L	0.354817	1.9	160.901
Al 237.312	35796.1	ug/L	8.25879	0.0	147366
As 188.980	43.4175	ug/L	0.268523	0.6	49.2886
B 249.678	130.811	ug/L	0.030847	0.0	3984.23
Ba 493.408	805.967	ug/L	0.026111	0.0	2020899
Be 313.042	1.63227	ug/L	0.001584	0.1	5776.52
Ca 373.690	35973.6	ug/L	4.76469	0.0	180259
Cd 214.439	75.9045	ug/L	0.016718	0.0	2996.20
Co 228.615	123.535	ug/L	0.263816	0.2	1146.33
Cr 267.716	953.068	ug/L	0.674350	0.1	45589.0
Cu 327.395	4866.30	ug/L	12.6033	0.3	327648
Fe 273.955	263281	ug/L	301.979	0.1	3368768
K 404.721	2253.48	ug/L	222.871	9.9	39.7766
Li 610.365	24.2375	ug/L	0.023738	0.1	1854.77
Mg 279.078	7014.61	ug/L	6.17959	0.1	32322.5
Mn 257.610	1796.93	ug/L	1.85486	0.1	535900
Mo 202.032	130.301	ug/L	1.24153	1.0	1193.28
Na 330.237	1275.62	ug/L	66.8197	5.2	191.138
Ni 216.555	836.821	ug/L	0.316178	0.0	7014.18
Pb 220.353	16977.2	ug/L	17.0134	0.1	88385.3
Sb 217.582	35.1733	ug/L	2.47413	7.0	70.7579
Se 196.026	8.23256	ug/L	2.68811	32.7	6.71767
Si 251.611	2693.19	ug/L	28.6130	1.1	14337.4
Si 288.158	2742.21	ug/L	32.5525	1.2	32812.7
Sn 283.998	701.843	ug/L	0.237198	0.0	3239.07
Sr 421.552	101.808	ug/L	0.078408	0.1	248887
Ti 336.122	848.103	ug/L	0.484410	0.1	209031
Tl 190.794	3.10149	ug/L	0.665259	21.4	3.70183
V 292.401	148.717	ug/L	0.192454	0.1	5949.50
Zn 202.548	13001.1	ug/L	41.4893	0.3	304199
Zr 339.198	85.5769	ug/L	3.73170	4.4	5103.73

360-24588-a-9-a@5 (Samp) **9/16/2009, 5:30:30 PM** **Rack 2, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.909179	ug/L	0.173625	19.1	8.13367
Al 237.312	34599.3	ug/L	83.2867	0.2	142717
As 188.980	111.111	ug/L	0.194488	0.2	123.230
B 249.678	20.4542	ug/L	1.29196	6.3	672.070
Ba 493.408	452.336	ug/L	0.494681	0.1	1134274
Be 313.042	1.74869	ug/L	0.005794	0.3	6175.90
Ca 373.690	13539.5	ug/L	16.5645	0.1	69568.6
Cd 214.439	3.36656	ug/L	0.044588	1.3	136.680
Co 228.615	22.0266	ug/L	0.356774	1.6	217.031
Cr 267.716	128.100	ug/L	0.329951	0.3	6148.87
Cu 327.395	403.929	ug/L	0.497789	0.1	27269.6
Fe 273.955	48892.4	ug/L	90.6450	0.2	659883
K 404.721	1970.04	ug/L	122.281	6.2	36.1585
Li 610.365	20.9157	ug/L	0.154388	0.7	1602.37
Mg 279.078	9978.83	ug/L	10.2503	0.1	45880.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	915.010	ug/L	1.58214	0.2	272912
Mo 202.032	6.33851	ug/L	1.35685	21.4	67.0691
Na 330.237	41.8005	ug/L	15.0952	36.1	25.1060
Ni 216.555	84.1266	ug/L	0.115600	0.1	709.050
Pb 220.353	19384.2	ug/L	27.1518	0.1	100915
Sb 217.582	-0.968111uv	ug/L	0.019671	2.0	1.69150
Se 196.026	1.96667	ug/L	2.06115	104.8	3.25473
Si 251.611	1056.41	ug/L	19.1628	1.8	5649.00
Si 288.158	1071.48	ug/L	15.3806	1.4	13049.1
Sn 283.998	58.1880	ug/L	0.735624	1.3	280.285
Sr 421.552	66.6255	ug/L	0.095639	0.1	162891
Ti 336.122	1251.17	ug/L	1.85909	0.1	308353
Tl 190.794	1.34857	ug/L	1.09489	81.2	2.30774
V 292.401	259.539	ug/L	0.521590	0.2	10370.0
Zn 202.548	874.246	ug/L	4.13647	0.5	20502.3
Zr 339.198	58.3867	ug/L	10.4406	17.9	3484.84

360-24588-a-10-a@2 (Samp) **9/16/2009, 5:33:24 PM** **Rack 2, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.25628	ug/L	0.123648	9.8	11.1431
Al 237.312	46964.0	ug/L	92.3575	0.2	190748
As 188.980	65.4150	ug/L	1.12928	1.7	73.3163
B 249.678	13.8593	ug/L	0.020299	0.1	474.137
Ba 493.408	511.775	ug/L	1.40619	0.3	1283298
Be 313.042	2.17888	ug/L	0.003494	0.2	7651.65
Ca 373.690	12617.2	ug/L	76.0713	0.6	64897.4
Cd 214.439	4.74473	ug/L	0.097537	2.1	191.009
Co 228.615	40.3662	ug/L	0.204374	0.5	384.930
Cr 267.716	229.007	ug/L	0.765349	0.3	10973.1
Cu 327.395	2802.10	ug/L	12.0393	0.4	188699
Fe 273.955	92286.6	ug/L	353.542	0.4	1208188
K 404.721	5443.34	ug/L	245.702	4.5	81.0288
Li 610.365	50.9624	ug/L	0.297526	0.6	3885.39
Mg 279.078	19771.7	ug/L	94.7482	0.5	90278.6
Mn 257.610	1316.74	ug/L	5.18660	0.4	392709
Mo 202.032	6.56771	ug/L	0.819941	12.5	69.1514
Na 330.237	99.3892	ug/L	21.3082	21.4	32.8375
Ni 216.555	129.297	ug/L	0.300555	0.2	1087.43
Pb 220.353	16227.2	ug/L	94.1460	0.6	84480.8
Sb 217.582	-1.00537uv	ug/L	0.057364	5.7	1.62030
Se 196.026	1.50208	ug/L	0.174964	11.6	2.99797
Si 251.611	1869.58	ug/L	3.43316	0.2	9965.49
Si 288.158	1923.35	ug/L	0.164174	0.0	23126.1
Sn 283.998	97.7558	ug/L	0.873747	0.9	462.172
Sr 421.552	70.7649	ug/L	0.155591	0.2	173009
Ti 336.122	2256.77	ug/L	0.774607	0.0	556154
Tl 190.794	0.037140uv	ug/L	0.629728	1695.6	1.26476
V 292.401	396.156	ug/L	1.08239	0.3	15819.5
Zn 202.548	1476.82	ug/L	6.95808	0.5	34599.0
Zr 339.198	17.1390	ug/L	3.96842	23.2	1028.96

360-24588-a-12-a@2 (Samp) **9/16/2009, 5:36:18 PM** **Rack 2, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.42707	ug/L	0.639049	44.8	12.6239
Al 237.312	78836.1	ug/L	109.237	0.1	314557
As 188.980	179.283	ug/L	1.84612	1.0	197.693
B 249.678	16.4203	ug/L	0.136896	0.8	551.000
Ba 493.408	632.165	ug/L	0.388986	0.1	1585141
Be 313.042	3.48554	ug/L	0.009649	0.3	12134.1
Ca 373.690	22617.3	ug/L	48.5915	0.2	115039
Cd 214.439	8.88370	ug/L	0.022370	0.3	354.172
Co 228.615	54.6558	ug/L	0.388946	0.7	515.751
Cr 267.716	200.294	ug/L	0.439320	0.2	9600.37
Cu 327.395	2011.51	ug/L	4.32041	0.2	135481
Fe 273.955	135066	ug/L	203.713	0.2	1748725
K 404.721	5729.54	ug/L	843.115	14.7	84.7947
Li 610.365	60.7165	ug/L	0.265465	0.4	4626.53
Mg 279.078	23152.4	ug/L	49.0210	0.2	105465
Mn 257.610	1994.37	ug/L	9.23468	0.5	594777
Mo 202.032	7.39791	ug/L	0.485358	6.6	76.6938
Na 330.237	153.187	ug/L	69.0284	45.1	40.0623
Ni 216.555	154.758	ug/L	0.228319	0.1	1300.71
Pb 220.353	14853.1	ug/L	109.527	0.7	77327.5
Sb 217.582	-0.310333uv	ug/L	0.386301	124.5	2.94852
Se 196.026	2.82795	ug/L	0.700910	24.8	3.73073
Si 251.611	2446.34	ug/L	27.3453	1.1	13027.1
Si 288.158	2497.79	ug/L	32.6862	1.3	29921.4
Sn 283.998	79.0024	ug/L	0.249137	0.3	375.966
Sr 421.552	93.2482	ug/L	0.140087	0.2	227964
Ti 336.122	2798.12	ug/L	2.86330	0.1	689552
Tl 190.794	0.449981uv	ug/L	1.62171	360.4	1.59309
V 292.401	301.629	ug/L	0.739907	0.2	12048.9
Zn 202.548	2012.36	ug/L	4.66542	0.2	47127.5
Zr 339.198	26.2205	ug/L	6.38384	24.3	1569.67

CCV (CCV) **9/16/2009, 5:39:12 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	1014.68	ug/L	0.188904	0.0	8797.73	101.46820
Al 237.312	5066.15	ug/L	1.69353	0.0	22715.2	101.32310
As 188.980	1006.94	ug/L	1.96207	0.2	1101.74	100.69420
B 249.678	984.018	ug/L	9.17215	0.9	29591.7	98.40177
Ba 493.408	1013.60	ug/L	0.193177	0.0	2541467	101.35960
Be 313.042	1013.43	ug/L	0.672796	0.1	3476720	101.34340
Ca 373.690	20225.0	ug/L	2.21799	0.0	103146	101.12520
Cd 214.439	1003.66	ug/L	0.165253	0.0	39569.2	100.36560
Co 228.615	1008.11	ug/L	0.487258	0.0	9244.65	100.81130
Cr 267.716	1010.35	ug/L	0.196845	0.0	48327.7	101.03540
Cu 327.395	1009.90	ug/L	1.89962	0.2	68059.5	100.98970
Fe 273.955	5065.20	ug/L	1.19877	0.0	79359.5	101.30400
K 404.721	20633.6	ug/L	211.494	1.0	291.135	103.16800
Li 610.365	5045.99	ug/L	4.42529	0.1	383419	100.91970
Mg 279.078	20160.3	ug/L	18.2909	0.1	92028.3	100.80170

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	1009.89	ug/L	0.499644	0.0	301206	100.98910
Mo 202.032	1011.43	ug/L	2.52123	0.2	9198.42	101.14330
Na 330.237	20333.0	ug/L	9.58323	0.0	2858.57	101.66490
Ni 216.555	1008.18	ug/L	1.57748	0.2	8449.64	100.81840
Pb 220.353	1009.66	ug/L	0.307158	0.0	5262.85	100.96560
Sb 217.582	1002.81	ug/L	2.02024	0.2	1919.92	100.28110
Se 196.026	1005.02	ug/L	7.49001	0.7	557.607	100.50210
Si 251.611	1035.88	ug/L	10.2075	1.0	5540.00	103.58790
Si 288.158	1037.79	ug/L	10.3425	1.0	12650.6	103.77940
Sn 283.998	1009.40	ug/L	2.72843	0.3	4652.85	100.93990
Sr 421.552	1014.82	ug/L	0.754193	0.1	2480506	101.48220
Ti 336.122	1014.99	ug/L	0.350878	0.0	250154	101.49880
Tl 190.794	1005.24	ug/L	3.81598	0.4	800.704	100.52450
V 292.401	1012.98	ug/L	0.018601	0.0	40423.5	101.29770
Zn 202.548	1002.65	ug/L	0.953541	0.1	23506.3	100.26520
Zr 339.198	968.893	ug/L	8.89188	0.9	57696.1	96.88928

CCB (CCB) **9/16/2009, 5:42:06 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	0.507862	ug/L	0.208470	41.0	4.65417	0.50786
Al 237.312	-0.318086uv	ug/L	0.161883	50.9	9.88666	-0.31809
As 188.980	1.16591	ug/L	1.39760	119.9	3.13768	1.16591
B 249.678	25.3200	ug/L	4.19020	16.5	818.109	25.32002
Ba 493.408	0.120778	ug/L	0.008064	6.7	476.982	0.12078
Be 313.042	0.117518	ug/L	0.002886	2.5	580.235	0.11752
Ca 373.690	1.95739	ug/L	0.880192	45.0	42.0192	1.95739
Cd 214.439	0.147445	ug/L	0.002412	1.6	9.77919	0.14744
Co 228.615	0.362949	ug/L	0.193529	53.3	18.7006	0.36295
Cr 267.716	-0.000040uv	ug/L	0.109887	277677.2	24.6823	-0.00004
Cu 327.395	-0.112793uv	ug/L	0.038449	34.1	72.0879	-0.11279
Fe 273.955	3.41211	ug/L	0.837589	24.5	93.7097	3.41211
K 404.721	338.310	ug/L	215.068	63.6	15.4877	338.30981
Li 610.365	-0.056988uv	ug/L	0.016050	28.2	8.81934	-0.05699
Mg 279.078	2.25524	ug/L	0.472285	20.9	27.3402	2.25524
Mn 257.610	0.084434	ug/L	0.001224	1.5	81.3329	0.08443
Mo 202.032	10.7344	ug/L	2.14098	19.9	107.006	10.73437
Na 330.237	-55.0738uv	ug/L	22.5861	41.0	12.1033	-55.07384
Ni 216.555	0.079285	ug/L	0.054564	68.8	5.00743	0.07929
Pb 220.353	-0.306178uv	ug/L	0.030211	9.9	5.28455	-0.30618
Sb 217.582	0.305071uv	ug/L	0.909676	298.2	4.12456	0.30507
Se 196.026	2.66893	ug/L	3.54904	133.0	3.64284	2.66893
Si 251.611	7.99990	ug/L	1.53755	19.2	83.7772	7.99990
Si 288.158	8.50926	ug/L	1.74944	20.6	474.833	8.50926
Sn 283.998	0.487435uv	ug/L	0.786792	161.4	15.0449	0.48744
Sr 421.552	0.121345	ug/L	0.001194	1.0	339.689	0.12134
Ti 336.122	0.659077	ug/L	0.192457	29.2	204.138	0.65908
Tl 190.794	0.361431	ug/L	0.195816	54.2	1.52267	0.36143
V 292.401	0.225707	ug/L	0.194472	86.2	26.3924	0.22571
Zn 202.548	-0.185384uv	ug/L	0.024455	13.2	45.7191	-0.18538
Zr 339.198	0.528167	ug/L	0.053046	10.0	39.9584	0.52817

Interf Check A (ICSA) **9/16/2009, 5:45:00 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	1.10522	ug/L	0.845647	76.5	9.83337	1.10522
Al 237.312	115939	ug/L	22.4672	0.0	4586865	939.10156K
As 188.980	1.80795	ug/L	1.84728	102.2	3.83897	1.80795
B 249.678	10.8619	ug/L	0.980611	9.0	384.174	10.86190
Ba 493.408	0.351189	ug/L	0.006908	2.0	1054.67	0.35119
Be 313.042	0.012870	ug/L	0.003100	24.1	221.245	0.01287
Ca 373.690	111144	ug/L	197.962	0.2	5106761	143.50000K
Cd 214.439	0.477629	ug/L	0.018022	3.8	22.7954	0.47763
Co 228.615	1.77664	ug/L	0.106757	6.0	31.6429	1.77664
Cr 267.716	0.311459	ug/L	0.173197	55.6	39.5745	0.31146
Cu 327.395	0.240747	ug/L	0.081150	33.7	95.8860	0.24075
Fe 273.955	44099.5	ug/L	55.3974	0.1	5993224	099.48828K
K 404.721	2254.87	ug/L	23.7002	1.1	39.79322	254.87012
Li 610.365	1.42758	ug/L	0.111729	7.8	121.620	1.42758
Mg 279.078	111485	ug/L	75.2406	0.1	4771211	485.20313K
Mn 257.610	3.24685	ug/L	0.007808	0.2	1024.36	3.24685
Mo 202.032	2.71742	ug/L	0.860171	31.7	34.1712	2.71742
Na 330.237	104.269	ug/L	40.3451	38.7	33.4929	104.26910
Ni 216.555	5.56313	ug/L	0.099540	1.8	50.9441	5.56313
Pb 220.353	-1.12804uv	ug/L	0.043758	3.9	1.00617	-1.12804
Sb 217.582	-1.28545uv	ug/L	0.681746	53.0	1.08505	-1.28545
Se 196.026	-0.604911uv	ug/L	2.77846	459.3	1.83351	-0.60491
Si 251.611	4.30023	ug/L	1.87926	43.7	64.1385	4.30023
Si 288.158	5.67596	ug/L	1.76992	31.2	441.317	5.67596
Sn 283.998	1.08425	ug/L	0.962455	88.8	17.7883	1.08425
Sr 421.552	0.622444	ug/L	0.000115	0.0	1564.49	0.62244
Ti 336.122	1.74467	ug/L	0.014247	0.8	471.649	1.74467
Tl 190.794	-0.018040uv	ug/L	0.775516	4298.9	1.22088	-0.01804
V 292.401	1.10595	ug/L	0.029118	2.6	61.5042	1.10595
Zn 202.548	1.31109	ug/L	0.472634	36.0	80.7278	1.31109
Zr 339.198	0.952220	ug/L	0.003685	0.4	65.2064	0.95222

Interf Check AB (ICSAB) **9/16/2009, 5:47:55 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	620.651	ug/L	0.237026	0.0	5381.41	103.44190
Al 237.312	112999	ug/L	9.21449	0.0	447263	112.99850
As 188.980	1987.69	ug/L	6.14394	0.3	2173.00	99.38448
B 249.678	7.95734	ug/L	0.388681	4.9	296.999	-
Ba 493.408	595.947	ug/L	0.440992	0.1	1494336	99.32453
Be 313.042	195.619	ug/L	0.027956	0.0	671239	97.80933
Ca 373.690	107475	ug/L	298.410	0.3	495672	107.47460
Cd 214.439	575.313	ug/L	0.247254	0.0	22683.4	95.88544
Co 228.615	580.281	ug/L	0.530848	0.1	5327.85	96.71354
Cr 267.716	574.886	ug/L	0.128828	0.0	27508.9	95.81441
Cu 327.395	611.052	ug/L	3.17948	0.5	41211.7	101.84190
Fe 273.955	42940.5	ug/L	16.9070	0.0	584678	107.35120
K 404.721	43771.0	ug/L	497.450	1.1	654.567	109.42760
Li 610.365	1.47225	ug/L	0.018994	1.3	125.015	-
Mg 279.078	107322	ug/L	1.28717	0.0	460481	107.32160

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	389.319	ug/L	0.105522	0.0	116151	97.32963
Mo 202.032	1.06182	ug/L	0.464993	43.8	19.1300	-
Na 330.237	-6.86854uv	ug/L	2.31006	33.6	18.5732	-
Ni 216.555	580.226	ug/L	0.424074	0.1	4864.75	96.70432
Pb 220.353	1895.10	ug/L	1.06653	0.1	9872.19	94.75488
Sb 217.582	947.022	ug/L	8.15141	0.9	1813.31	94.70223
Se 196.026	982.212	ug/L	1.19324	0.1	545.001	98.22121
Si 251.611	2.99760	ug/L	1.09948	36.7	57.2238	-
Si 288.158	5.12210	ug/L	1.86726	36.5	434.765	-
Sn 283.998	245.445	ug/L	0.790985	0.3	1141.08	-
Sr 421.552	0.642781	ug/L	0.002747	0.4	1614.20	-
Ti 336.122	1.71971	ug/L	0.156573	9.1	465.499	-
Tl 190.794	1900.65	ug/L	1.99702	0.1	1512.82	95.03251
V 292.401	595.271	ug/L	0.374960	0.1	23761.9	99.21183
Zn 202.548	569.178	ug/L	10.1822	1.8	13365.5	94.86300
Zr 339.198	2.99705	ug/L	0.279813	9.3	186.955	-

Metals Worksheet

Batch Number: 360-49006
Method: 3050B
Analyst: Burton, Teresa F

Date Open: Sep 16 2009 7:50AM
Batch End: Sep 16 2009 1:00PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	stlma-3_00039	stlma2_00035
MB~360-49006/1		3050B, 6010B		2.0 g	100 mL		
LCS~360-49006/2		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
LCSD~360-49006/3		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
360-24244-B-5	OC-SB-443-18/20-XXX	3050B, 6010B	T	1.59 g	100 mL		
360-24244-B-5~DU		3050B, 6010B	T	1.59 g	100 mL		
360-24244-B-5~MS		3050B, 6010B	T	1.61 g	100 mL	1.0 mL	1.0 mL
360-24244-A-8	OC-SB-445-25/27-XXX	3050B, 6010B	T	1.57 g	100 mL		
360-24244-B-11	OC-SB-437-21/23-XXX	3050B, 6010B	T	1.70 g	100 mL		
360-24607-A-1	R01090507BE-0428 FX-050		T	1.94 g	100 mL		
360-24607-A-2	R01090507BE-0435 FX-040		T	1.75 g	100 mL		
360-24607-A-3	R01090507BE-0436 FX-044		T	1.65 g	100 mL		
360-24588-A-1	HA-1 (0-6")/64703-1		T	1.58 g	100 mL		
360-24588-A-2	HA-2 (0-6")/64703-2		T	1.74 g	100 mL		
360-24588-A-3	HA-2 (6-12")/64703-3		T	1.69 g	100 mL		
360-24588-A-4	HA-3 (0-6")/64703-4		T	1.61 g	100 mL		
360-24588-A-5	HA-3 (6-12")/64703-5		T	1.64 g	100 mL		
360-24588-A-6	HA-4 (0-6")/64703-6		T	1.68 g	100 mL		
360-24588-A-7	HA-6 (0-6")/64703-7		T	1.60 g	100 mL		
360-24588-A-8	HA-10 (0-6")/64703-8		T	1.73 g	100 mL		
360-24588-A-9	HA-12 (0-6")/64703-9		T	1.85 g	100 mL		
360-24588-A-10	HA-15 (0-6")/64703-10		T	1.54 g	100 mL		
360-24588-A-11	HA-15 (6-12")/64703-11		T	1.70 g	100 mL		
360-24588-A-12	Stockpile/64703-12		T	1.65 g	100 mL		
360-24600-A-1	Filter-25 Warren Ave.		T	1.51 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:	427689
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: 360-24244-2
SDG Number: OCRI-04A

Login Number: 24244
Creator: Rinard, Kimberley A
List Number: 1

List Source: TestAmerica Westfield

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	2.0 C / 4.6 C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

360-24244

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:____

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO

Company Name:	Olin Corp
Company Contact:	ERG Accounts Payable
Address:	Same as Client
Phone:	Email

Job # _____ Quote # _____

Lab SDG # _____ PO # _____

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Amonnia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*	Comments (Special Instructions)
<--Preservative Type (4)							ME	-	-	-	-	ME	-	-	-	-	-	-	-	-	
<--Bottle Type (5)							V	G	G	G	G	V	G	G	G	G	G	G	G	G	
OC-SB-432-0.0/1.0-XXX	8/20/2009 2:35:00 PM	T	FS	SO	G	10	3	1	1	1	1	1	1		1	1			1	1	Category 1, Only (1) Methanol vial for VPH and VOC
OC-SB-432-14/16-XXX	8/20/2009 3:15:00 PM	T	FS	SO	G	10	3	1	1	1	1	1	1		1	1			1	1	Category 1, Only (1) Methanol vial for VPH and VOC
OC-SB-432-5.0/7.0-XXX	8/20/2009 2:41:00 PM	T	FS	SO	G	10	3	1	1	1	1	1	1		1	1			1	1	Category 1, Only (1) Methanol vial for VPH and VOC
OC-SB-443-0.0/1.0-XXX	8/20/2009 4:35:00 PM	T	FS	SO	G	7	3	1	1	1			1		1	1				1	Category 1 (see attached sheet)
OC-SB-443-18/20-XXX	8/20/2009 5:20:00 PM	T	FS	SO	G	8	3	1	1	1			1		1	1			1	1	Category 3 (see attached sheet)
OC-SB-443-6.8/8.0-XXX	8/20/2009 4:40:00 PM	T	FS	SO	G	8	3	1	1	1			1		1	1			1	1	Category 2 (see attached sheet)

All samples from SB-432 are in Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

2.0°C / 4.6°C (2) COOLERS/ICE

360-24244

Client: Olin Corporation
Address: 3855 North Ocoee St. Suite 200
Cleveland, TN 37312
Phone: 423-336-4511 Fax: 423-336-1466 Email SGMorrow@olin.com Email Rpt:____

Client Project #: 6107090016
Work Site ID: Wilmington, MA
Reports Sent To: Steve Morrow

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)***	Ammonia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)							Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*			Comments (Special Instructions)
							ME V	- G	- G	- G	- G	ME V	- G	- G	- G	- G	- G	- G	-	-	-	-	-	-	- G	- G	-	-	<--Preservative Type (4)
																													<--Bottle Type (5)
OC-SB-445-0.0/1.0-XXX	8/21/2009 9:00:00 AM	T	FS	SO	G	8	3	1	1	1			1		1	1									1	1			Category 1
OC-SB-445-25/27-XXX	8/21/2009 10:15:00	T	FS	SO	G	8	3	1	1	1			1		1	1									1	1			Category 3
OC-SB-445-8.0/10-XXX	8/21/2009 9:10:00 AM	T	FS	SO	G	8	3	1	1	1			1		1	1									1	1			Category 2

Special Instructions For Lab

Notes:
1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable
2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank
3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil
4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water
5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

2.0°C / 4.6°C (2) COOLERS/ICE

TAL- Soil

Page 3 of 6

360 24244

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 V	G	G	G	G	ME V	G	G	G	G	G	G							G	G			<--Preservative Type (4) <--Bottle Type (5)
OC-SB-437-0.0/1.0-XXX	8/21/2009 12:30:00	T	FS	SO	G	8	3	1	1	1			1		1	1									1	1			Category 1
OC-SB-437-21/23-XXX	8/21/2009 1:10:00 PM	T	FS	SO	G	8	3	1	1	1			1		1	1									1	1			Category 3
OC-SB-437-5.0/7.0-XXX	8/21/2009 12:40:00	T	FS	SO	G	8	3	1	1	1			1		1	1									1	1			Category 2

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

2.0°C / 4.6°C (2) COOLERS / ICE

TAL-Soil

Page 4 of 6

36024244

10/19/2009

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:____

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)***	Ammonia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*	Comments (Special Instructions)
							ME	-	-	-	-	ME	-	-	-	-	-	-	-	-	<--Preservative Type (4)
							V	G	G	G	G	V	G	G	G	G	G	G	G	G	<--Bottle Type (5)
OC-TBK-005	8/21/2009 2:35:00 PM	T	TB	SO	G	4	3					1									Category 1

Special Instructions For Lab

Notes:
1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable
2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank
3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil
4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water
5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida
* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida
** = Using Method 3620B
*** = Sulfate, Chloride, Nitrate, Nitrite, Flouride, Bromid

Cooler? Y / N — MADEP Requirement Samples Iced? Y / N
Temp @ receipt: _____ Deg C
Preservation / pH checked? Y / N
By: KAN Date: 8/21/09

2.0°C
4.6°C

Relinquished: [signature] Date: 8/21/09 Time: 1455 Received: Tim Knollman Date: 8/21/09 Time: 1455
Relinquished: Tim Knollman Date: 8/21/09 Time: 1725 Received: [signature] Date: 8/21/09 Time: 1725

Vials (pH N/A)

Print Draft | Print Final and Close

TAL - Water

360 24244

10/19/2009

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:____

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-003	8/21/2009 7:15:00 AM	T	EB	BW	G	15	3	2	X	2					1	1	1									2	3			Cat 1 4 1L Ambers for SVOC, Diphenylamine and NDMA

Special Instructions For Lab

Notes:
1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable
2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank
3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil
4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water
5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = NDMA analyzed at TAL-West Sacramento, CA
* = Alkylphenols analyzed at TAL-West Sacramento, CA
* = Phthalic Anhydride analyzed at TAL-West Sacramento, C
* = Formaldehyde analyzed at TAL-Tallahassee Florida
** = Using Method 3620B
*** = Sulfate, Chloride, ~~Nitrate, Nitrite, Flouride, Bromid~~ TC 8/21/09

Cooler ? Y / N | MADEP Requirement Samples Iced? Y / N | 2.0°C 4.6°C
Temp @ receipt: 2.0°C/4.6°C Deg C
Preservation / pH checked? Y / N
By: KM Date: 8/21/09

Relinquished: [signature] Date: 8/21/09 Time: 1455 Received: Tim [signature] Date: 8/21/09 Time: 1455
Relinquished: Tim [signature] Date: 8/21/09 Time: 1725 Received: [signature] Date: 8/21/2009 Time: 1725

360-24244

Page 6 of 6

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida
* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B
*** = Sulfate, Chloride, ~~Nitrate, Nitrite, Flouride, Bromid~~

TC 8/21/09

Cooler? Y / N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt: 2.0°C/4.6°C Deg C	
Preservation / pH checked? Y / N	
By: _____ Date: _____	

2.0°C
4.6°C

Relinquished: [signature] **Date:** 8 / 21 / 09 **Time:** 1455 **Received:** Tim Knollman **Date:** 8 / 21 / 09 **Time:** 1455

Relinquished: Tim Knollman **Date:** 8 / 21 / 09 **Time:** 1725 **Received:** [signature] **Date:** 8 / 21 / 2009 **Time:** 1725

Print Draft | Print Final and Close

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
360-24244	OC-SB-437-21/23-XXX	(360-24244-11)	08/20/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24244	OC-SB-443-18/20-XXX	(360-24244-5)	08/20/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24244	OC-SB-445-25/27-XXX	(360-24244-8)	08/21/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24244	OC-SB-437-21/23-XXX	(360-24244-11)	08/20/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24244	OC-SB-443-18/20-XXX	(360-24244-5)	08/20/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24244	OC-SB-445-25/27-XXX	(360-24244-8)	08/21/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24244	OC-SB-437-21/23-XXX	(360-24244-11)	08/20/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC
360-24244	OC-SB-443-18/20-XXX	(360-24244-5)	08/20/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC
360-24244	OC-SB-445-25/27-XXX	(360-24244-8)	08/21/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC

SVOC[1] - Olin Compound List
SVOC[2] - Olin Compound List with Diphenylamine

Tige Cunningham

Sample Manager
MACTEC Engineering & Consulting, Inc.

9-29-09
Date

P:\6107090016 - Olin Wilmington CSS 2009\3.0 Field and Site Characterization\3.6 Databases\Prelim EDDs\
OCRI-04.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
360-24244	OC-SB-437-21/23-XXX	(360-24244-11)	08/20/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24244	OC-SB-443-18/20-XXX	(360-24244-5)	08/20/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24244	OC-SB-445-25/27-XXX	(360-24244-8)	08/21/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24244	OC-SB-437-21/23-XXX	(360-24244-11)	08/20/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24244	OC-SB-443-18/20-XXX	(360-24244-5)	08/20/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC
360-24244	OC-SB-445-25/27-XXX	(360-24244-8)	08/21/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC

Tige Cunningham

Sample Manager
MACTEC Engineering & Consulting, Inc.

9-11-09
Date

P:\6107090016 - Olin Wilmington CSS 2009\3.0 Field and Site Characterization\3.6 Databases\Prelim EDDs\
OCRI-04.xls, Metals Pending Samples