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ANALYTICAL REPORT

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

Job Number: 360-24686-2

SDG Number: OCRI-18A

Job Description: Olin Chemical Superfund Site

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

Attention: Mr. Steven Morrow

Approved for release.
James T Wickham
Technology Manager
10/30/2009 3:38 PM

Designee for
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10/30/2009

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CASE NARRATIVE

Client: Olin Corporation

Project: Olin Chemical Superfund Site

Report Number: 360-24686-2

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

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

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

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

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

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

RECEIPT

The samples were received on 09/18/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 5.6 C.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 360-24686-1 and 360-24686-8 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 09/29/2009 and analyzed on 10/05/2009 and 10/06/2009.

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

For samples 360-24686-(1,8), Di-n-butyl phthalate was detected in method blank MB 360-49658/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Benzoic acid was detected in method blank MB 360-49658/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

For samples 360-24686-(1,8), Aniline failed the recovery criteria low for LCS/LCSD 360-49658/2-A.

General method information:

For samples 360-24686-(1,8), batch 49955. ICAL 10/5/2009 Inst B Quadratic regression used for: Benzoic acid , Benzyl alcohol, Hexachlorocyclopentadiene, 2,4-Dinitrophenol, 4-Chloro phenyl phenyl ether, 4,6-Dinitro-2-methylphenol, Pentachlorophenol, 2-Chloronaphthalene.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS

Sample 360-24686-8 was analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 10/13/2009.

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

Tin exceeded the CRI method criteria with 61% recovery on the low reporting limit standard. The recommend MCP control criteria is 70-130%. The data has been flagged appropriately.

General method information:

Several analytes were detected in method blank MB 360-50202/1-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.

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

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-24686-1	OC-SB-400-17/19-XXX	Solid	09/18/2009 1100	09/18/2009 1700
360-24686-8	OC-SB-473-13/15-XXX	Solid	09/18/2009 0920	09/18/2009 1700

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24686-1	**OC-SB-400-17/19-XXX**					
Benzoic acid		65	J B	180	ug/Kg	8270C LL
Butyl benzyl phthalate		31	J	37	ug/Kg	8270C LL
360-24686-8	**OC-SB-473-13/15-XXX**					
Aluminum		7300		3.2	mg/Kg	6010B
Arsenic		5.3		1.3	mg/Kg	6010B
Barium		29		0.64	mg/Kg	6010B
Beryllium		0.26		0.26	mg/Kg	6010B
Cadmium		0.29	B	0.26	mg/Kg	6010B
Calcium		1500	B	13	mg/Kg	6010B
Chromium		230		0.64	mg/Kg	6010B
Cobalt		5.9		0.64	mg/Kg	6010B
Copper		11		1.3	mg/Kg	6010B
Iron		14000	B	6.4	mg/Kg	6010B
Lead		2.2	B	0.64	mg/Kg	6010B
Magnesium		3000	B	13	mg/Kg	6010B
Manganese		170		1.3	mg/Kg	6010B
Nickel		5.5		1.3	mg/Kg	6010B
Potassium		1800		260	mg/Kg	6010B
Silver		3.2		0.64	mg/Kg	6010B
Sodium		25	J	130	mg/Kg	6010B
Thallium		0.16	J	1.3	mg/Kg	6010B
Vanadium		15		1.3	mg/Kg	6010B
Zinc		27		3.2	mg/Kg	6010B
Tin		97	^ B	6.4	mg/Kg	6010B

METHOD SUMMARY

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

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: 360-24686-2
Sdg Number: OCRI-18A

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

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Client Sample ID: **OC-SB-400-17/19-XXX**

Lab Sample ID: 360-24686-1
Client Matrix: Solid
% Moisture: 11.4

Date Sampled: 09/18/2009 1100
Date Received: 09/18/2009 1700

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49955		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49658		Lab File ID:	B10747.D
Dilution:	1.0			Initial Weight/Volume:	30.86 g
Date Analyzed:	10/05/2009 2241			Final Weight/Volume:	1.0 mL
Date Prepared:	09/29/2009 1545			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	37
1,2,4,5-Tetrachlorobenzene		ND		11	37
1,2,4-Trichlorobenzene		ND		11	37
1,2-Dichlorobenzene		ND		11	37
1,3-Dichlorobenzene		ND		11	37
1,4-Dichlorobenzene		ND		11	37
1-Methylnaphthalene		ND		11	37
2,2'-oxybis[1-chloropropane]		ND		11	37
2,3,4,6-Tetrachlorophenol		ND		11	37
2,4,5-Trichlorophenol		ND		11	37
2,4,6-Trichlorophenol		ND		11	37
2,4-Dichlorophenol		ND		11	37
2,4-Dimethylphenol		ND		14	37
2,4-Dinitrophenol		ND		11	37
2,4-Dinitrotoluene		ND		11	37
2,6-Dinitrotoluene		ND		11	37
2-Chloronaphthalene		ND		11	37
2-Chlorophenol		ND		11	37
2-Methylnaphthalene		ND		11	37
2-Methylphenol		ND		22	37
2-Nitroaniline		ND		11	180
2-Nitrophenol		ND		11	37
3 & 4 Methylphenol		ND		11	37
3,3'-Dichlorobenzidine		ND		11	73
3-Nitroaniline		ND		11	180
4,6-Dinitro-2-methylphenol		ND		11	180
4-Bromophenyl phenyl ether		ND		11	37
4-Chloro-3-methylphenol		ND		11	73
4-Chloroaniline		ND		11	73
4-Chlorophenyl phenyl ether		ND		11	37
4-Nitroaniline		ND		11	180
4-Nitrophenol		ND		11	180
Acenaphthene		ND		11	37
Acenaphthylene		ND		11	37
Acetophenone		ND		11	37
Aniline		ND	*	11	37
Anthracene		ND		11	37
Atrazine		ND		11	37
Azobenzene		ND		11	37
Benzaldehyde		ND		11	37
Benzo[a]anthracene		ND		11	37
Benzo[a]pyrene		ND		11	37
Benzo[b]fluoranthene		ND		11	37
Benzo[g,h,i]perylene		ND		11	37
Benzo[k]fluoranthene		ND		11	37
Benzoic acid		65	J B	16	180

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Client Sample ID: **OC-SB-400-17/19-XXX**

Lab Sample ID: 360-24686-1
Client Matrix: Solid
% Moisture: 11.4

Date Sampled: 09/18/2009 1100
Date Received: 09/18/2009 1700

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49955		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49658		Lab File ID:	B10747.D
Dilution:	1.0			Initial Weight/Volume:	30.86 g
Date Analyzed:	10/05/2009 2241			Final Weight/Volume:	1.0 mL
Date Prepared:	09/29/2009 1545			Injection Volume:	

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	65		30 - 130
2-Fluorobiphenyl	62		30 - 130
2-Fluorophenol	79		30 - 130
Nitrobenzene-d5	59		30 - 130
Phenol-d5	67		30 - 130
Terphenyl-d14	73		30 - 130

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Client Sample ID: **OC-SB-400-17/19-XXX**

Lab Sample ID: 360-24686-1
Client Matrix: Solid
% Moisture: 11.4

Date Sampled: 09/18/2009 1100
Date Received: 09/18/2009 1700

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49955		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49658		Lab File ID:	B10747.D
Dilution:	1.0			Initial Weight/Volume:	30.86 g
Date Analyzed:	10/05/2009 2241			Final Weight/Volume:	1.0 mL
Date Prepared:	09/29/2009 1545			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	9.98	12	T J N

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Client Sample ID: **OC-SB-473-13/15-XXX**

Lab Sample ID: 360-24686-8
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 09/18/2009 0920
Date Received: 09/18/2009 1700

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49955		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49658		Lab File ID:	B10754.D
Dilution:	1.0			Initial Weight/Volume:	30.76 g
Date Analyzed:	10/06/2009 0155			Final Weight/Volume:	1.0 mL
Date Prepared:	09/29/2009 1545			Injection Volume:	

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

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Client Sample ID: **OC-SB-473-13/15-XXX**

Lab Sample ID: 360-24686-8
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 09/18/2009 0920
Date Received: 09/18/2009 1700

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49955		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49658		Lab File ID:	B10754.D
Dilution:	1.0			Initial Weight/Volume:	30.76 g
Date Analyzed:	10/06/2009 0155			Final Weight/Volume:	1.0 mL
Date Prepared:	09/29/2009 1545			Injection Volume:	

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	64		30 - 130
2-Fluorobiphenyl	56		30 - 130
2-Fluorophenol	75		30 - 130
Nitrobenzene-d5	55		30 - 130
Phenol-d5	59		30 - 130
Terphenyl-d14	68		30 - 130

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Client Sample ID: **OC-SB-473-13/15-XXX**

Lab Sample ID: 360-24686-8
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 09/18/2009 0920
Date Received: 09/18/2009 1700

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49955		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-49658		Lab File ID:	B10754.D
Dilution:	1.0			Initial Weight/Volume:	30.76 g
Date Analyzed:	10/06/2009 0155			Final Weight/Volume:	1.0 mL
Date Prepared:	09/29/2009 1545			Injection Volume:	

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
615-22-5	Benzothiazole, 2-(methylthio)-	9.60	10	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	9.98	9.0	T J N

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Client Sample ID: **OC-SB-473-13/15-XXX**

Lab Sample ID: 360-24686-8
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 09/18/2009 0920
Date Received: 09/18/2009 1700

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 10/13/2009 1619
Date Prepared: 10/13/2009 0957

Analysis Batch: 360-50268
Prep Batch: 360-50202

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.71 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7300		0.83	3.2
Antimony		ND		0.23	0.64
Arsenic		5.3		0.12	1.3
Barium		29		0.083	0.64
Beryllium		0.26		0.032	0.26
Cadmium		0.29	B	0.0090	0.26
Calcium		1500	B	3.2	13
Chromium		230		0.085	0.64
Cobalt		5.9		0.083	0.64
Copper		11		0.083	1.3
Iron		14000	B	1.0	6.4
Lead		2.2	B	0.073	0.64
Magnesium		3000	B	0.64	13
Manganese		170		0.086	1.3
Nickel		5.5		0.083	1.3
Potassium		1800		40	260
Selenium		ND		0.30	0.64
Silver		3.2		0.064	0.64
Sodium		25	J	17	130
Thallium		0.16	J	0.093	1.3
Vanadium		15		0.083	1.3
Zinc		27		0.75	3.2
Tin		97	^ B	0.41	6.4

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

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
360-24686-1	OC-SB-400-17/19-XXX	79	67	59	62	65	73
360-24686-8	OC-SB-473-13/15-XXX	75	59	55	56	64	68
MB 360-49658/1-A		88	74	64	66	65	72
LCS 360-49658/2-A		61	54	60	62	65	58
LCSD 360-49658/3-A		65	59	66	69	73	63

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: 360-24686-2
Sdg Number: OCRI-18A

Method Blank - Batch: 360-49658

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-49658/1-A	Analysis Batch:	360-49955	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49658	Lab File ID:	B10744.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	10/05/2009 2118			Final Weight/Volume:	1.0 mL
Date Prepared:	09/29/2009 1545			Injection Volume:	1.0 uL

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

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

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Method Blank - Batch: 360-49658

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-49658/1-A	Analysis Batch:	360-49955	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49658	Lab File ID:	B10744.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	10/05/2009 2118			Final Weight/Volume:	1.0 mL
Date Prepared:	09/29/2009 1545			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
Benzo[a]pyrene	ND		10	33
Benzo[b]fluoranthene	ND		10	33
Benzo[g,h,i]perylene	ND		10	33
Benzo[k]fluoranthene	ND		10	33
Benzoic acid	104	J	15	170
Benzophenone	ND		10	33
Benzyl alcohol	ND		28	67
Bis(2-chloroethoxy)methane	ND		10	33
Bis(2-chloroethyl)ether	ND		10	33
Bis(2-ethylhexyl) phthalate	ND		10	33
Butyl benzyl phthalate	ND		10	33
Caprolactam	ND		10	33
Carbazole	ND		10	33
Chrysene	ND		10	33
Dibenz(a,h)anthracene	ND		10	33
Dibenzofuran	ND		10	33
Diethyl phthalate	ND		10	33
Dimethyl phthalate	ND		10	33
Di-n-butyl phthalate	61.2		29	33
Di-n-octyl phthalate	ND		17	33
Diphenyl oxide	ND		10	33
Fluoranthene	ND		10	33
Fluorene	ND		10	33
Hexachlorobenzene	ND		10	33
Hexachlorobutadiene	ND		10	33
Hexachlorocyclopentadiene	ND		10	67
Hexachloroethane	ND		10	33
Indeno[1,2,3-cd]pyrene	ND		10	33
Isophorone	ND		10	33
Naphthalene	ND		10	80
Nitrobenzene	ND		10	33
N-Nitrosodimethylamine	ND		12	33
N-Nitrosodi-n-propylamine	ND		10	33
N-Nitrosodiphenylamine	ND		10	33
Pentachlorophenol	ND		10	33
Phenanthrene	ND		10	40
Phenol	ND		10	33
Pyrene	ND		10	33

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	65	30 - 130

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

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	66	30 - 130
2-Fluorophenol	88	30 - 130
Nitrobenzene-d5	64	30 - 130
Phenol-d5	74	30 - 130
Terphenyl-d14	72	30 - 130

Method Blank TICs- Batch: 360-49658

Cas Number	Analyte	RT	Est. Result	Qual
121-33-5	Vanillin	8.63	18.7	T J N
544-76-3	Hexadecane	9.45	25.8	T J N
593-45-3	Octadecane	10.21	53.2	T J N
112-95-8	Eicosane	10.90	26.7	T J N
1560-97-0	Dodecane, 2-methyl-	11.53	9.53	T J N

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

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49658

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49658/2-A	Analysis Batch:	360-49955	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49658	Lab File ID:	B10745.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	10/05/2009 2146			Final Weight/Volume:	1.0 mL
Date Prepared:	09/29/2009 1545			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49658/3-A	Analysis Batch:	360-49955	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49658	Lab File ID:	B10746.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	10/05/2009 2214			Final Weight/Volume:	1.0 mL
Date Prepared:	09/29/2009 1545			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	76	83	40 - 140	8	30		
1,2,4,5-Tetrachlorobenzene	72	76	40 - 140	5	30		
1,2,4-Trichlorobenzene	62	66	40 - 140	5	30		
1,2-Dichlorobenzene	55	55	40 - 140	1	30		
1,3-Dichlorobenzene	51	52	40 - 140	1	30		
1,4-Dichlorobenzene	51	53	40 - 140	3	30		
1-Methylnaphthalene	64	69	40 - 140	7	30		
2,2'-oxybis[1-chloropropane]	56	58	40 - 140	2	30		
2,3,4,6-Tetrachlorophenol	68	75	40 - 140	11	30		
2,4,5-Trichlorophenol	67	67	30 - 130	1	30		
2,4,6-Trichlorophenol	74	77	30 - 130	5	30		
2,4-Dichlorophenol	75	79	30 - 130	5	30		
2,4-Dimethylphenol	77	82	30 - 130	5	30		
2,4-Dinitrophenol	82	81	30 - 130	2	30		
2,4-Dinitrotoluene	73	78	40 - 140	7	30		
2,6-Dinitrotoluene	79	84	40 - 140	7	30		
2-Chloronaphthalene	59	62	40 - 140	4	30		
2-Chlorophenol	58	59	30 - 130	2	30		
2-Methylnaphthalene	64	67	40 - 140	4	30		
2-Methylphenol	62	63	30 - 130	2	30		
2-Nitroaniline	72	79	40 - 140	8	30		
2-Nitrophenol	63	66	30 - 130	4	30		
3 & 4 Methylphenol	63	64	30 - 130	2	30		
3,3'-Dichlorobenzidine	85	89	40 - 140	5	30		
3-Nitroaniline	78	83	40 - 140	7	30		
4,6-Dinitro-2-methylphenol	88	91	30 - 130	2	30		
4-Bromophenyl phenyl ether	79	82	40 - 140	3	30		
4-Chloro-3-methylphenol	78	80	30 - 130	2	30		
4-Chloroaniline	56	56	40 - 140	1	30		
4-Chlorophenyl phenyl ether	71	75	40 - 140	5	30		
4-Nitroaniline	72	77	40 - 140	6	30		
4-Nitrophenol	78	81	30 - 130	4	30		

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

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49658

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49658/2-A	Analysis Batch:	360-49955	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49658	Lab File ID:	B10745.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	10/05/2009 2146			Final Weight/Volume:	1.0 mL
Date Prepared:	09/29/2009 1545			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49658/3-A	Analysis Batch:	360-49955	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49658	Lab File ID:	B10746.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	10/05/2009 2214			Final Weight/Volume:	1.0 mL
Date Prepared:	09/29/2009 1545			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	85	89	40 - 140	5	30		
Acenaphthylene	68	72	40 - 140	5	30		
Acetophenone	62	62	40 - 140	1	30		
Aniline	23	25	40 - 140	8	30	*	*
Anthracene	94	99	40 - 140	5	30		
Atrazine	107	113	40 - 140	5	30		
Azobenzene	77	80	40 - 140	4	30		
Benzaldehyde	101	106	40 - 140	5	30		
Benzo[a]anthracene	96	99	40 - 140	3	30		
Benzo[a]pyrene	85	86	40 - 140	2	30		
Benzo[b]fluoranthene	86	88	40 - 140	3	30		
Benzo[g,h,i]perylene	99	105	40 - 140	6	30		
Benzo[k]fluoranthene	93	92	40 - 140	2	30		
Benzoic acid	78	81	30 - 130	4	30		
Benzophenone	79	83	40 - 140	6	30		
Benzyl alcohol	58	60	30 - 130	3	30		
Bis(2-chloroethoxy)methane	66	70	40 - 140	5	30		
Bis(2-chloroethyl)ether	54	56	40 - 140	2	30		
Bis(2-ethylhexyl) phthalate	86	90	40 - 140	4	30		
Butyl benzyl phthalate	81	83	40 - 140	2	30		
Caprolactam	67	67	40 - 140	1	30		
Carbazole	87	90	40 - 140	3	30		
Chrysene	89	91	40 - 140	2	30		
Dibenz(a,h)anthracene	83	87	40 - 140	5	30		
Dibenzofuran	74	79	40 - 140	6	30		
Diethyl phthalate	79	83	40 - 140	5	30		
Dimethyl phthalate	76	81	40 - 140	6	30		
Di-n-butyl phthalate	102	111	40 - 140	8	30		
Di-n-octyl phthalate	73	76	40 - 140	5	30		
Diphenyl oxide	69	74	40 - 140	7	30		
Fluoranthene	86	92	40 - 140	6	30		
Fluorene	78	83	40 - 140	5	30		

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

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-49658

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49658/2-A	Analysis Batch:	360-49955	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49658	Lab File ID:	B10745.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	10/05/2009 2146			Final Weight/Volume:	1.0 mL
Date Prepared:	09/29/2009 1545			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-49658/3-A	Analysis Batch:	360-49955	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-49658	Lab File ID:	B10746.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	10/05/2009 2214			Final Weight/Volume:	1.0 mL
Date Prepared:	09/29/2009 1545			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hexachlorobenzene	87	92	40 - 140	7	30		
Hexachlorobutadiene	61	62	40 - 140	2	30		
Hexachlorocyclopentadiene	59	59	40 - 140	1	30		
Hexachloroethane	53	54	40 - 140	3	30		
Indeno[1,2,3-cd]pyrene	89	84	40 - 140	6	30		
Isophorone	58	61	40 - 140	5	30		
Naphthalene	66	69	40 - 140	4	30		
Nitrobenzene	66	70	40 - 140	7	30		
N-Nitrosodimethylamine	61	60	40 - 140	1	30		
N-Nitrosodi-n-propylamine	59	61	40 - 140	2	30		
N-Nitrosodiphenylamine	54	58	40 - 140	6	30		
Pentachlorophenol	84	89	30 - 130	6	30		
Phenanthrene	90	94	40 - 140	4	30		
Phenol	53	55	30 - 130	4	30		
Pyrene	88	89	40 - 140	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	65	73	30 - 130
2-Fluorobiphenyl	62	69	30 - 130
2-Fluorophenol	61	65	30 - 130
Nitrobenzene-d5	60	66	30 - 130
Phenol-d5	54	59	30 - 130
Terphenyl-d14	58	63	30 - 130

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

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49658

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49658/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49658/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	10/05/2009 2146			Date Analyzed:	10/05/2009 2214
Date Prepared:	09/29/2009 1545			Date Prepared:	09/29/2009 1545

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1'-Biphenyl	333	333	254		275	
1,2,4,5-Tetrachlorobenzene	333	333	240		252	
1,2,4-Trichlorobenzene	333	333	208		219	
1,2-Dichlorobenzene	333	333	183		185	
1,3-Dichlorobenzene	333	333	170		172	
1,4-Dichlorobenzene	333	333	170		176	
1-Methylnaphthalene	333	333	214		229	
2,2'-oxybis[1-chloropropane]	333	333	188		192	
2,3,4,6-Tetrachlorophenol	333	333	226		251	
2,4,5-Trichlorophenol	333	333	225		223	
2,4,6-Trichlorophenol	333	333	246		258	
2,4-Dichlorophenol	333	333	250		262	
2,4-Dimethylphenol	333	333	258		272	
2,4-Dinitrophenol	333	333	274		270	
2,4-Dinitrotoluene	333	333	242		259	
2,6-Dinitrotoluene	333	333	263		281	
2-Chloronaphthalene	333	333	196		205	
2-Chlorophenol	333	333	192		196	
2-Methylnaphthalene	333	333	215		224	
2-Methylphenol	333	333	205		210	
2-Nitroaniline	333	333	241		262	
2-Nitrophenol	333	333	210		220	
3 & 4 Methylphenol	333	333	209		213	
3,3'-Dichlorobenzidine	333	333	282		296	
3-Nitroaniline	333	333	258		277	
4,6-Dinitro-2-methylphenol	333	333	295		302	
4-Bromophenyl phenyl ether	333	333	265		274	
4-Chloro-3-methylphenol	333	333	261		268	
4-Chloroaniline	333	333	187		186	
4-Chlorophenyl phenyl ether	333	333	238		251	
4-Nitroaniline	333	333	241		257	
4-Nitrophenol	333	333	260		270	
Acenaphthene	333	333	284		298	
Acenaphthylene	333	333	227		240	
Acetophenone	333	333	205		208	
Aniline	333	333	76.3	*	82.9	*
Anthracene	333	333	314		331	
Atrazine	333	333	356		376	
Azobenzene	333	333	256		267	

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

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49658

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49658/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49658/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	10/05/2009 2146			Date Analyzed:	10/05/2009 2214
Date Prepared:	09/29/2009 1545			Date Prepared:	09/29/2009 1545

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Benzaldehyde	333	333	335	354
Benzo[a]anthracene	333	333	321	329
Benzo[a]pyrene	333	333	283	288
Benzo[b]fluoranthene	333	333	286	294
Benzo[g,h,i]perylene	333	333	332	351
Benzo[k]fluoranthene	333	333	311	305
Benzoic acid	333	333	258	269
Benzophenone	333	333	263	278
Benzyl alcohol	333	333	194	200
Bis(2-chloroethoxy)methane	333	333	221	232
Bis(2-chloroethyl)ether	333	333	181	185
Bis(2-ethylhexyl) phthalate	333	333	288	301
Butyl benzyl phthalate	333	333	271	277
Caprolactam	333	333	222	223
Carbazole	333	333	291	300
Chrysene	333	333	296	302
Dibenz(a,h)anthracene	333	333	278	292
Dibenzofuran	333	333	247	263
Diethyl phthalate	333	333	264	278
Dimethyl phthalate	333	333	253	270
Di-n-butyl phthalate	333	333	341	369
Di-n-octyl phthalate	333	333	243	255
Diphenyl oxide	333	333	230	246
Fluoranthene	333	333	288	306
Fluorene	333	333	262	275
Hexachlorobenzene	333	333	288	308
Hexachlorobutadiene	333	333	204	207
Hexachlorocyclopentadiene	333	333	197	195
Hexachloroethane	333	333	176	181
Indeno[1,2,3-cd]pyrene	333	333	296	279
Isophorone	333	333	194	204
Naphthalene	333	333	221	229
Nitrobenzene	333	333	219	234
N-Nitrosodimethylamine	333	333	202	200
N-Nitrosodi-n-propylamine	333	333	198	203
N-Nitrosodiphenylamine	333	333	181	192
Pentachlorophenol	333	333	279	297
Phenanthrene	333	333	301	314
Phenol	333	333	178	185

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

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-49658

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-49658/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-49658/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	10/05/2009 2146			Date Analyzed:	10/05/2009 2214
Date Prepared:	09/29/2009 1545			Date Prepared:	09/29/2009 1545

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Pyrene	333	333	295	298

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

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Method Blank - Batch: 360-50202

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 360-50202/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2009 1536
Date Prepared: 10/13/2009 0957

Analysis Batch: 360-50268
Prep Batch: 360-50202
Units: mg/Kg

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

Analyte	Result	Qual	MDL	RL
Aluminum	ND		0.65	2.5
Antimony	ND		0.18	0.50
Arsenic	ND		0.091	1.0
Barium	ND		0.065	0.50
Beryllium	ND		0.025	0.20
Cadmium	0.00782	J	0.0070	0.20
Calcium	6.72	J	2.5	10
Chromium	ND		0.066	0.50
Cobalt	ND		0.065	0.50
Copper	ND		0.065	1.0
Iron	2.71	J	0.80	5.0
Lead	0.132	J	0.057	0.50
Magnesium	1.76	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	0.417	J	0.32	5.0

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

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-50202

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-50202/2-A	Analysis Batch:	360-50268	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-50202	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	10/13/2009 1539			Final Weight/Volume:	100 mL
Date Prepared:	10/13/2009 0957				

LCSD Lab Sample ID:	LCSD 360-50202/3-A	Analysis Batch:	360-50268	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-50202	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	10/13/2009 1541			Final Weight/Volume:	100 mL
Date Prepared:	10/13/2009 0957				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aluminum	89	89	80 - 120	1	30		
Antimony	86	87	80 - 120	1	30		
Arsenic	88	88	80 - 120	0	30		
Barium	93	92	80 - 120	0	30		
Beryllium	90	90	80 - 120	1	30		
Cadmium	88	88	80 - 120	1	30		
Calcium	91	90	80 - 120	0	30		
Chromium	91	91	80 - 120	0	30		
Cobalt	90	89	80 - 120	1	30		
Copper	92	92	80 - 120	0	30		
Iron	92	91	80 - 120	1	30		
Lead	89	88	80 - 120	1	30		
Magnesium	87	86	80 - 120	1	30		
Manganese	91	91	80 - 120	1	30		
Nickel	89	88	80 - 120	0	30		
Potassium	85	83	80 - 120	2	30		
Selenium	89	88	80 - 120	1	30		
Silver	90	90	80 - 120	1	30		
Sodium	86	86	80 - 120	1	30		
Thallium	88	87	80 - 120	1	30		
Vanadium	92	91	80 - 120	0	30		
Zinc	87	87	80 - 120	1	30		
Tin	90	90	80 - 120	0	30		

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

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-50202

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-50202/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-50202/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	10/13/2009 1539			Date Analyzed:	10/13/2009 1541
Date Prepared:	10/13/2009 0957			Date Prepared:	10/13/2009 0957

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	250	250	223	222
Antimony	50.0	50.0	42.9	43.5
Arsenic	50.0	50.0	44.2	44.2
Barium	50.0	50.0	46.3	46.2
Beryllium	50.0	50.0	45.2	44.9
Cadmium	50.0	50.0	44.2	43.8
Calcium	1000	1000	909	905
Chromium	50.0	50.0	45.7	45.4
Cobalt	50.0	50.0	45.0	44.6
Copper	50.0	50.0	46.1	46.0
Iron	250	250	230	228
Lead	50.0	50.0	44.3	44.0
Magnesium	1000	1000	871	864
Manganese	50.0	50.0	45.5	45.3
Nickel	50.0	50.0	44.3	44.2
Potassium	1000	1000	849	832
Selenium	50.0	50.0	44.4	44.2
Silver	50.0	50.0	45.2	44.9
Sodium	1000	1000	865	855
Thallium	50.0	50.0	44.0	43.6
Vanadium	50.0	50.0	45.8	45.6
Zinc	50.0	50.0	43.6	43.3
Tin	50.0	50.0	45.0	44.9

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

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

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

Client: Olin Corporation

Job Number: 360-24686-2
Sdg Number: OCRI-18A

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 360-49658					
LCS 360-49658/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-49658/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-49658/1-A	Method Blank	T	Solid	3546	
360-24686-1	OC-SB-400-17/19-XXX	T	Solid	3546	
360-24686-8	OC-SB-473-13/15-XXX	T	Solid	3546	
Analysis Batch:360-49955					
LCS 360-49658/2-A	Lab Control Sample	T	Solid	8270C LL	360-49658
LCSD 360-49658/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-49658
MB 360-49658/1-A	Method Blank	T	Solid	8270C LL	360-49658
360-24686-1	OC-SB-400-17/19-XXX	T	Solid	8270C LL	360-49658
360-24686-8	OC-SB-473-13/15-XXX	T	Solid	8270C LL	360-49658

Report Basis
T = Total

Metals					
Prep Batch: 360-50202					
LCS 360-50202/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 360-50202/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 360-50202/1-A	Method Blank	T	Solid	3050B	
360-24686-8	OC-SB-473-13/15-XXX	T	Solid	3050B	
Analysis Batch:360-50268					
LCS 360-50202/2-A	Lab Control Sample	T	Solid	6010B	360-50202
LCSD 360-50202/3-A	Lab Control Sample Duplicate	T	Solid	6010B	360-50202
MB 360-50202/1-A	Method Blank	T	Solid	6010B	360-50202
360-24686-8	OC-SB-473-13/15-XXX	T	Solid	6010B	360-50202

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24686-2
SDG: OCRI-18A

Laboratory Chronicle

Lab ID: **360-24686-1** **Client ID:** **OC-SB-400-17/19-XXX**

Sample Date/Time: 09/18/2009 11:00 Received Date/Time: 09/18/2009 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24686-A-1-H		360-49955	360-49658	09/29/2009 15:45	1	TAL WFD	BRB
A:8270C LL	360-24686-A-1-H		360-49955	360-49658	10/05/2009 22:41	1	TAL WFD	PJS

Lab ID: **360-24686-8** **Client ID:** **OC-SB-473-13/15-XXX**

Sample Date/Time: 09/18/2009 09:20 Received Date/Time: 09/18/2009 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	360-24686-A-8-F		360-49955	360-49658	09/29/2009 15:45	1	TAL WFD	BRB
A:8270C LL	360-24686-A-8-F		360-49955	360-49658	10/06/2009 01:55	1	TAL WFD	PJS
P:3050B	360-24686-A-8-E		360-50268	360-50202	10/13/2009 09:57	1	TAL WFD	TFB
A:6010B	360-24686-A-8-E		360-50268	360-50202	10/13/2009 16:19	1	TAL WFD	EMN

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	MB 360-49658/1-A		360-49955	360-49658	09/29/2009 15:45	1	TAL WFD	BRB
A:8270C LL	MB 360-49658/1-A		360-49955	360-49658	10/05/2009 21:18	1	TAL WFD	PJS
P:3050B	MB 360-50202/1-A		360-50268	360-50202	10/13/2009 09:57	1	TAL WFD	TFB
A:6010B	MB 360-50202/1-A		360-50268	360-50202	10/13/2009 15:36	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 360-49658/2-A		360-49955	360-49658	09/29/2009 15:45	1	TAL WFD	BRB
A:8270C LL	LCS 360-49658/2-A		360-49955	360-49658	10/05/2009 21:46	1	TAL WFD	PJS
P:3050B	LCS 360-50202/2-A		360-50268	360-50202	10/13/2009 09:57	1	TAL WFD	TFB
A:6010B	LCS 360-50202/2-A		360-50268	360-50202	10/13/2009 15:39	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 360-49658/3-A		360-49955	360-49658	09/29/2009 15:45	1	TAL WFD	BRB
A:8270C LL	LCSD 360-49658/3-A		360-49955	360-49658	10/05/2009 22:14	1	TAL WFD	PJS
P:3050B	LCSD 360-50202/3-A		360-50268	360-50202	10/13/2009 09:57	1	TAL WFD	TFB
A:6010B	LCSD 360-50202/3-A		360-50268	360-50202	10/13/2009 15:41	1	TAL WFD	EMN

Client: Olin Corporation

Job Number: 360-24686-2
SDG: OCRI-18A

Laboratory Chronicle

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.: 360-24686-2

SDG No.: OCRI-18A

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-400-17/19-XXX	360-24686-1	79	67	59	62	65	73
OC-SB-473-13/15-XXX	360-24686-8	75	59	55	56	64	68
	MB 360-49658/1-A	88	74	64	66	65	72
	LCS 360-49658/2-A	61	54	60	62	65	58
	LCSD 360-49658/3-A	65	59	66	69	73	63

	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.: 360-24686-2

SDG No.: OCRI-18A

Matrix: Solid Level: Low Lab File ID: B10745.D

Lab ID: LCS 360-49658/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	254	76	40-140	
1,2,4,5-Tetrachlorobenzene	333	240	72	40-140	
1,2,4-Trichlorobenzene	333	208	62	40-140	
1,2-Dichlorobenzene	333	183	55	40-140	
1,3-Dichlorobenzene	333	170	51	40-140	
1,4-Dichlorobenzene	333	170	51	40-140	
1-Methylnaphthalene	333	214	64	40-140	
2,2'-oxybis[1-chloropropane]	333	188	56	40-140	
2,3,4,6-Tetrachlorophenol	333	226	68	40-140	
2,4,5-Trichlorophenol	333	225	67	30-130	
2,4,6-Trichlorophenol	333	246	74	30-130	
2,4-Dichlorophenol	333	250	75	30-130	
2,4-Dimethylphenol	333	258	77	30-130	
2,4-Dinitrophenol	333	274	82	30-130	
2,4-Dinitrotoluene	333	242	73	40-140	
2,6-Dinitrotoluene	333	263	79	40-140	
2-Chloronaphthalene	333	196	59	40-140	
2-Chlorophenol	333	192	58	30-130	
2-Methylnaphthalene	333	215	64	40-140	
2-Methylphenol	333	205	62	30-130	
2-Nitroaniline	333	241	72	40-140	
2-Nitrophenol	333	210	63	30-130	
3 & 4 Methylphenol	333	209	63	30-130	
3,3'-Dichlorobenzidine	333	282	85	40-140	
3-Nitroaniline	333	258	78	40-140	
4,6-Dinitro-2-methylphenol	333	295	88	30-130	
4-Bromophenyl phenyl ether	333	265	79	40-140	
4-Chloro-3-methylphenol	333	261	78	30-130	
4-Chloroaniline	333	187	56	40-140	
4-Chlorophenyl phenyl ether	333	238	71	40-140	
4-Nitroaniline	333	241	72	40-140	
4-Nitrophenol	333	260	78	30-130	
Acenaphthene	333	284	85	40-140	
Acenaphthylene	333	227	68	40-140	
Acetophenone	333	205	62	40-140	
Aniline	333	76.3	23	40-140	*
Anthracene	333	314	94	40-140	
Atrazine	333	356	107	40-140	
Azobenzene	333	256	77	40-140	
Benzaldehyde	333	335	101	40-140	
Benzo[a]anthracene	333	321	96	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.: 360-24686-2

SDG No.: OCRI-18A

Matrix: Solid Level: Low Lab File ID: B10745.D

Lab ID: LCS 360-49658/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzo[a]pyrene	333	283	85	40-140	
Benzo[b]fluoranthene	333	286	86	40-140	
Benzo[g,h,i]perylene	333	332	99	40-140	
Benzo[k]fluoranthene	333	311	93	40-140	
Benzoic acid	333	258	78	30-130	
Benzophenone	333	263	79	40-140	
Benzyl alcohol	333	194	58	30-130	
Bis(2-chloroethoxy)methane	333	221	66	40-140	
Bis(2-chloroethyl)ether	333	181	54	40-140	
Bis(2-ethylhexyl) phthalate	333	288	86	40-140	
Butyl benzyl phthalate	333	271	81	40-140	
Caprolactam	333	222	67	40-140	
Carbazole	333	291	87	40-140	
Chrysene	333	296	89	40-140	
Dibenz(a,h)anthracene	333	278	83	40-140	
Dibenzofuran	333	247	74	40-140	
Diethyl phthalate	333	264	79	40-140	
Dimethyl phthalate	333	253	76	40-140	
Di-n-butyl phthalate	333	341	102	40-140	
Di-n-octyl phthalate	333	243	73	40-140	
Diphenyl oxide	333	230	69	40-140	
Fluoranthene	333	288	86	40-140	
Fluorene	333	262	78	40-140	
Hexachlorobenzene	333	288	87	40-140	
Hexachlorobutadiene	333	204	61	40-140	
Hexachlorocyclopentadiene	333	197	59	40-140	
Hexachloroethane	333	176	53	40-140	
Indeno[1,2,3-cd]pyrene	333	296	89	40-140	
Isophorone	333	194	58	40-140	
Naphthalene	333	221	66	40-140	
Nitrobenzene	333	219	66	40-140	
N-Nitrosodimethylamine	333	202	61	40-140	
N-Nitrosodi-n-propylamine	333	198	59	40-140	
N-Nitrosodiphenylamine	333	181	54	40-140	
Pentachlorophenol	333	279	84	30-130	
Phenanthrene	333	301	90	40-140	
Phenol	333	178	53	30-130	
Pyrene	333	295	88	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.: 360-24686-2

SDG No.: OCRI-18A

Matrix: Solid Level: Low Lab File ID: B10746.D

Lab ID: LCSD 360-49658/3-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	275	83	8	30	40-140	
1,2,4,5-Tetrachlorobenzene	333	252	76	5	30	40-140	
1,2,4-Trichlorobenzene	333	219	66	5	30	40-140	
1,2-Dichlorobenzene	333	185	55	1	30	40-140	
1,3-Dichlorobenzene	333	172	52	1	30	40-140	
1,4-Dichlorobenzene	333	176	53	3	30	40-140	
1-Methylnaphthalene	333	229	69	7	30	40-140	
2,2'-oxybis[1-chloropropane]	333	192	58	2	30	40-140	
2,3,4,6-Tetrachlorophenol	333	251	75	11	30	40-140	
2,4,5-Trichlorophenol	333	223	67	1	30	30-130	
2,4,6-Trichlorophenol	333	258	77	5	30	30-130	
2,4-Dichlorophenol	333	262	79	5	30	30-130	
2,4-Dimethylphenol	333	272	82	5	30	30-130	
2,4-Dinitrophenol	333	270	81	2	30	30-130	
2,4-Dinitrotoluene	333	259	78	7	30	40-140	
2,6-Dinitrotoluene	333	281	84	7	30	40-140	
2-Chloronaphthalene	333	205	62	4	30	40-140	
2-Chlorophenol	333	196	59	2	30	30-130	
2-Methylnaphthalene	333	224	67	4	30	40-140	
2-Methylphenol	333	210	63	2	30	30-130	
2-Nitroaniline	333	262	79	8	30	40-140	
2-Nitrophenol	333	220	66	4	30	30-130	
3 & 4 Methylphenol	333	213	64	2	30	30-130	
3,3'-Dichlorobenzidine	333	296	89	5	30	40-140	
3-Nitroaniline	333	277	83	7	30	40-140	
4,6-Dinitro-2-methylphenol	333	302	91	2	30	30-130	
4-Bromophenyl phenyl ether	333	274	82	3	30	40-140	
4-Chloro-3-methylphenol	333	268	80	2	30	30-130	
4-Chloroaniline	333	186	56	1	30	40-140	
4-Chlorophenyl phenyl ether	333	251	75	5	30	40-140	
4-Nitroaniline	333	257	77	6	30	40-140	
4-Nitrophenol	333	270	81	4	30	30-130	
Acenaphthene	333	298	89	5	30	40-140	
Acenaphthylene	333	240	72	5	30	40-140	
Acetophenone	333	208	62	1	30	40-140	
Aniline	333	82.9	25	8	30	40-140	*
Anthracene	333	331	99	5	30	40-140	
Atrazine	333	376	113	5	30	40-140	
Azobenzene	333	267	80	4	30	40-140	
Benzaldehyde	333	354	106	5	30	40-140	
Benzo[a]anthracene	333	329	99	3	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.: 360-24686-2

SDG No.: OCRI-18A

Matrix: Solid Level: Low Lab File ID: B10746.D

Lab ID: LCSD 360-49658/3-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	288	86	2	30	40-140	
Benzo[b]fluoranthene	333	294	88	3	30	40-140	
Benzo[g,h,i]perylene	333	351	105	6	30	40-140	
Benzo[k]fluoranthene	333	305	92	2	30	40-140	
Benzoic acid	333	269	81	4	30	30-130	
Benzophenone	333	278	83	6	30	40-140	
Benzyl alcohol	333	200	60	3	30	30-130	
Bis(2-chloroethoxy)methane	333	232	70	5	30	40-140	
Bis(2-chloroethyl)ether	333	185	56	2	30	40-140	
Bis(2-ethylhexyl) phthalate	333	301	90	4	30	40-140	
Butyl benzyl phthalate	333	277	83	2	30	40-140	
Caprolactam	333	223	67	1	30	40-140	
Carbazole	333	300	90	3	30	40-140	
Chrysene	333	302	91	2	30	40-140	
Dibenz(a,h)anthracene	333	292	87	5	30	40-140	
Dibenzofuran	333	263	79	6	30	40-140	
Diethyl phthalate	333	278	83	5	30	40-140	
Dimethyl phthalate	333	270	81	6	30	40-140	
Di-n-butyl phthalate	333	369	111	8	30	40-140	
Di-n-octyl phthalate	333	255	76	5	30	40-140	
Diphenyl oxide	333	246	74	7	30	40-140	
Fluoranthene	333	306	92	6	30	40-140	
Fluorene	333	275	83	5	30	40-140	
Hexachlorobenzene	333	308	92	7	30	40-140	
Hexachlorobutadiene	333	207	62	2	30	40-140	
Hexachlorocyclopentadiene	333	195	59	1	30	40-140	
Hexachloroethane	333	181	54	3	30	40-140	
Indeno[1,2,3-cd]pyrene	333	279	84	6	30	40-140	
Isophorone	333	204	61	5	30	40-140	
Naphthalene	333	229	69	4	30	40-140	
Nitrobenzene	333	234	70	7	30	40-140	
N-Nitrosodimethylamine	333	200	60	1	30	40-140	
N-Nitrosodi-n-propylamine	333	203	61	2	30	40-140	
N-Nitrosodiphenylamine	333	192	58	6	30	40-140	
Pentachlorophenol	333	297	89	6	30	30-130	
Phenanthrene	333	314	94	4	30	40-140	
Phenol	333	185	55	4	30	30-130	
Pyrene	333	298	89	1	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.: 360-24686-2

SDG No.: OCRI-18A

Lab File ID: B10744.D Lab Sample ID: MB 360-49658/1-A

Matrix: Solid Date Extracted: 09/29/2009 15:45

Instrument ID: Inst. B Date Analyzed: 10/05/2009 21:18

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-49658/2-A	B10745.D	10/05/2009 21:46
	LCSD 360-49658/3-A	B10746.D	10/05/2009 22:14
OC-SB-400-17/19-XXX	360-24686-1	B10747.D	10/05/2009 22:41
OC-SB-473-13/15-XXX	360-24686-8	B10754.D	10/06/2009 01:55

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

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Lab File ID: B10731.D DFTPP Injection Date: 10/05/2009

Instrument ID: Inst. B DFTPP Injection Time: 15:17

Analysis Batch No.: 49953

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	38.8	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	39.1	
70	Less than 2.0 % of mass 69	0.0	(0.1)1
127	40.0 - 60.0 % of mass 198	51.3	
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	7.7	
275	10.0 - 30.0 % of mass 198	29.2	
365	Greater than 1.0 % of mass 198	3.8	
441	Present but less than mass 443	15.7	
442	Greater than 40.0 % of mass 198	89.7	
443	17.0 - 23.0 % of mass 442	18.8	(20.9)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 360-49953/2	B10732.D	10/05/2009	15:45
	STD01 360-49953/3	B10733.D	10/05/2009	16:12
	STD025 360-49953/4	B10734.D	10/05/2009	16:40
	STD05 360-49953/5	B10735.D	10/05/2009	17:08
	STD1 360-49953/6	B10736.D	10/05/2009	17:36
	STD25 360-49953/7	B10737.D	10/05/2009	18:04
	STD8 360-49953/8	B10738.D	10/05/2009	18:32
	STD10 360-49953/9	B10739.D	10/05/2009	18:59
	STD20 360-49953/10	B10740.D	10/05/2009	19:27

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

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Lab File ID: B10742.D DFTPP Injection Date: 10/05/2009

Instrument ID: Inst. B DFTPP Injection Time: 20:23

Analysis Batch No.: 49955

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	38.7	
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	0.0	(0.1)1
127	40.0 - 60.0 % of mass 198	49.5	
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	7.3	
275	10.0 - 30.0 % of mass 198	29.8	
365	Greater than 1.0 % of mass 198	4.0	
441	Present but less than mass 443	16.7	
442	Greater than 40.0 % of mass 198	96.1	
443	17.0 - 23.0 % of mass 442	19.8	(20.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-49955/13	B10743.D	10/05/2009	20:50
	MB 360-49658/1-A	B10744.D	10/05/2009	21:18
	LCS 360-49658/2-A	B10745.D	10/05/2009	21:46
	LCSD 360-49658/3-A	B10746.D	10/05/2009	22:14
OC-SB-400-17/19-XXX	360-24686-1	B10747.D	10/05/2009	22:41
OC-SB-473-13/15-XXX	360-24686-8	B10754.D	10/06/2009	01:55

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

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Sample No.: CCV 360-49955/13 Date Analyzed: 10/05/2009 20:50

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

Lab File ID (Standard): B10743.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		262319	6.45	494730	7.60	242579	9.08
UPPER LIMIT		524638	6.95	989460	8.10	485158	9.58
LOWER LIMIT		131160	5.95	247365	7.10	121290	8.58
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-49658/1-A		207003	6.44	501654	7.59	239515	9.07
LCS 360-49658/2-A		292313	6.45	544694	7.60	248518	9.08
LCSD 360-49658/3-A		290673	6.45	530536	7.60	240153	9.08
360-24686-1	OC-SB-400-17/19-XXX	228856	6.44	544320	7.59	256030	9.07
360-24686-8	OC-SB-473-13/15-XXX	245673	6.44	572601	7.59	273577	9.08

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.: 360-24686-2

SDG No.: OCRI-18A

Sample No.: CCV 360-49955/13 Date Analyzed: 10/05/2009 20:50

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

Lab File ID (Standard): B10743.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		394308	10.31	318944	12.61	198887	15.00
UPPER LIMIT		788616	10.81	637888	13.11	397774	15.50
LOWER LIMIT		197154	9.81	159472	12.11	99444	14.50
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-49658/1-A		403663	10.30	326114	12.61	231381	15.00
LCS 360-49658/2-A		404172	10.31	364682	12.62	204954	15.00
LCSD 360-49658/3-A		402523	10.31	373089	12.62	214126	15.01
360-24686-1	OC-SB-400-17/19-XXX	406158	10.31	283392	12.61	181983	15.00
360-24686-8	OC-SB-473-13/15-XXX	433968	10.31	298785	12.61	168721	15.01

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.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: OC-SB-400-17/19-XXX | Lab Sample ID: 360-24686-1

Matrix: Solid | Lab File ID: B10747.D

Analysis Method: 8270C LL | Date Collected: 09/18/2009 11:00

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.86(g) | Date Analyzed: 10/05/2009 22:41

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

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

% Moisture: 11.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49955 | Units: ug/Kg

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: OC-SB-400-17/19-XXX | Lab Sample ID: 360-24686-1

Matrix: Solid | Lab File ID: B10747.D

Analysis Method: 8270C LL | Date Collected: 09/18/2009 11:00

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.86(g) | Date Analyzed: 10/05/2009 22:41

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

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

% Moisture: 11.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49955 | Units: ug/Kg

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: OC-SB-400-17/19-XXX | Lab Sample ID: 360-24686-1

Matrix: Solid | Lab File ID: B10747.D

Analysis Method: 8270C LL | Date Collected: 09/18/2009 11:00

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.86(g) | Date Analyzed: 10/05/2009 22:41

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

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

% Moisture: 11.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49955 | Units: ug/Kg

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

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	65	30-130	
321-60-8	2-Fluorobiphenyl	62	30-130	
367-12-4	2-Fluorophenol	79	30-130	
4165-60-0	Nitrobenzene-d5	59	30-130	
4165-62-2	Phenol-d5	67	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.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: OC-SB-400-17/19-XXX Lab Sample ID: 360-24686-1

Matrix: Solid Lab File ID: B10747.D

Analysis Method: 8270C LL Date Collected: 09/18/2009 11:00

Extract. Method: 3546 Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.86(g) Date Analyzed: 10/05/2009 22:41

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

Injection Volume: Level: (low/med) Low

% Moisture: 11.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 49955 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 12

CAS NO.	COMPOUND NAME	RT	RESULT	Q
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	9.98	12	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10747.D		
Lims ID:	360-24686-A-1-G	Client ID:	OC-SB-400-17/19-XXX
Inject. Date:	05-Oct-2009 22:41:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24686-A-1-G		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	49955	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 12:06:34	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	07-Oct-2009 12:09:01

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.444	6.450	-0.006	228856	2.00	
* 2 Naphthalene-d8	136	7.593	7.594	-0.001	544320	2.00	
* 3 Acenaphthene-d10	164	9.074	9.076	-0.002	256030	2.00	
* 4 Phenanthrene-d10	188	10.305	10.307	-0.002	406158	2.00	
* 5 Chrysene-d12	240	12.608	12.610	-0.002	283392	2.00	
* 6 Perylene-d12	264	14.998	15.000	-0.002	181983	2.00	
$ 7 2-Fluorophenol	112	5.044	4.983	0.061	522084	7.95	
$ 8 Phenol-d5	99	6.136	6.128	0.008	618526	6.74	
$ 9 Nitrobenzene-d5	82	6.963	6.969	-0.006	310547	2.94	
$ 10 2-Fluorobiphenyl	172	8.511	8.513	-0.002	608607	3.12	
$ 11 2,4,6-Tribromophenol	330	9.728	9.730	-0.002	121975	6.49	
$ 12 Terphenyl-d14	244	11.623	11.624	-0.001	445545	3.63	
36 Benzoic acid	105	7.367	7.479	-0.112	7328	1.78	M
41 Naphthalene	128	7.607	7.614	-0.007	4493	0.0169	
46 2-Methylnaphthalene	142	8.204	8.205	-0.001	2250	0.0122	
47 1-Methylnaphthalene	142	8.204	8.287	-0.083	2250	0.0126	
66 Diethyl phthalate	149	9.430	9.431	-0.001	3216	0.0157	
80 Phenanthrene	178	10.319	10.326	-0.007	7465	0.0307	
84 Di-n-butyl phthalate	149	10.781	10.783	-0.002	42226	0.1380	
87 Fluoranthene	202	11.305	11.307	-0.002	5959	0.0266	
85 Pyrene	202	11.493	11.494	-0.001	5719	0.0282	
89 Butyl benzyl phthalate	149	12.031	12.033	-0.002	87473	0.8437	
92 Bis(2-ethylhexyl) phthalate	149	12.628	12.629	-0.001	15062	0.0993	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10747.D		
Lims ID:	360-24686-A-1-G	Client ID:	OC-SB-400-17/19-XXX
Inject. Date:	05-Oct-2009 22:41:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24686-A-1-G		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	49955	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 12:06:34	Calib Date:	05-Oct-2009 19:27:30
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:	07-Oct-2009 12:09:01

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

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Diphenylamine	9.627	1801	0.0117	
Benzidine	11.426	100	0.0532	
Alpha-Terpineol	7.564	73469	0.8543	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3					
9.983	193246	0.3189	4	90	126945	

Quantitation Compounds

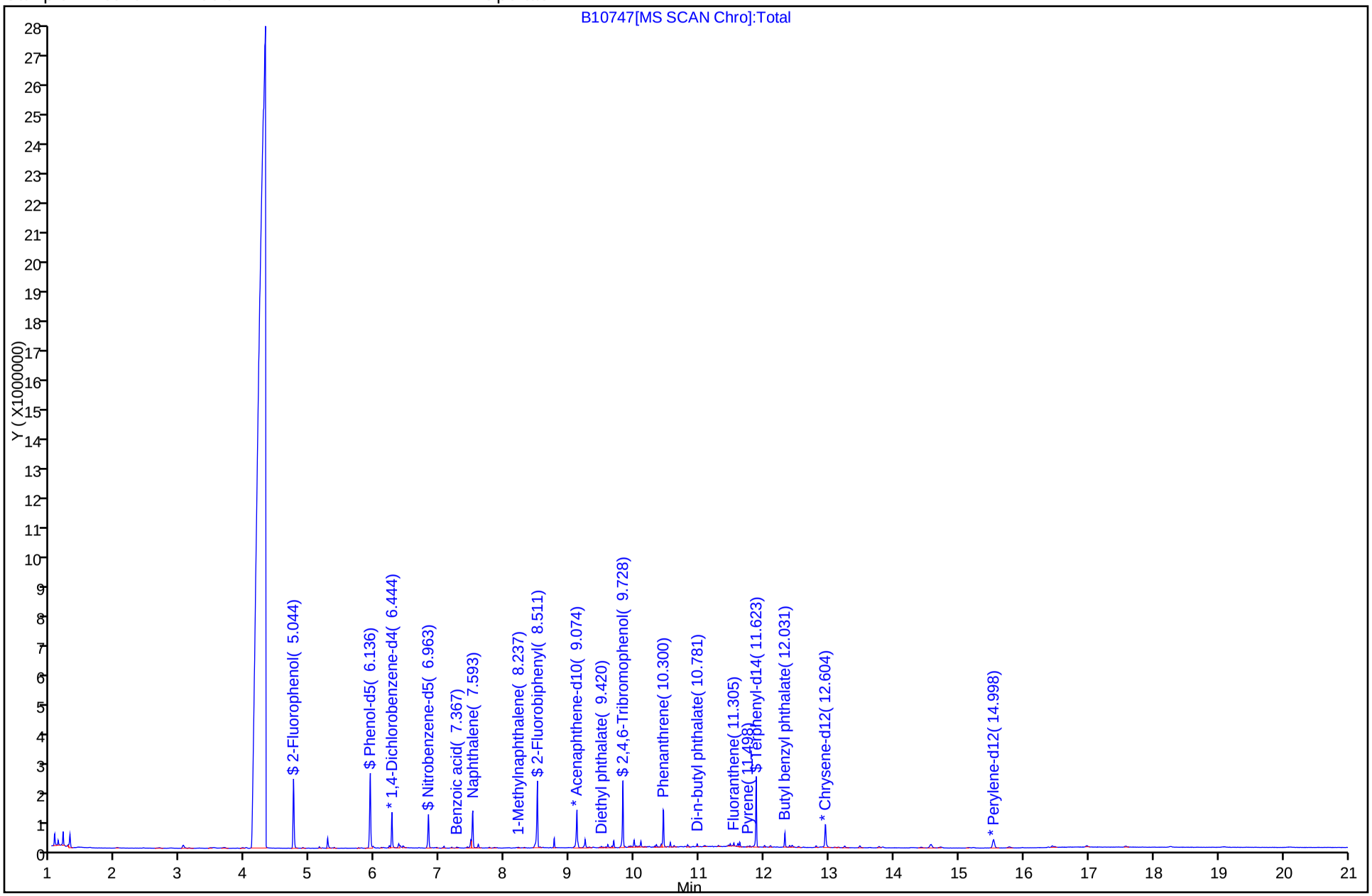
Compound	RT	Response	Amount ug/mL
* 4 Phenanthrene-d10	10.300	1211961	2.00

QC Flag Legend

Processing Flags

Report Date: 07-Oct-2009 12:09:02 Chrom Revision: 1.1 01-Oct-2009 08:19:20

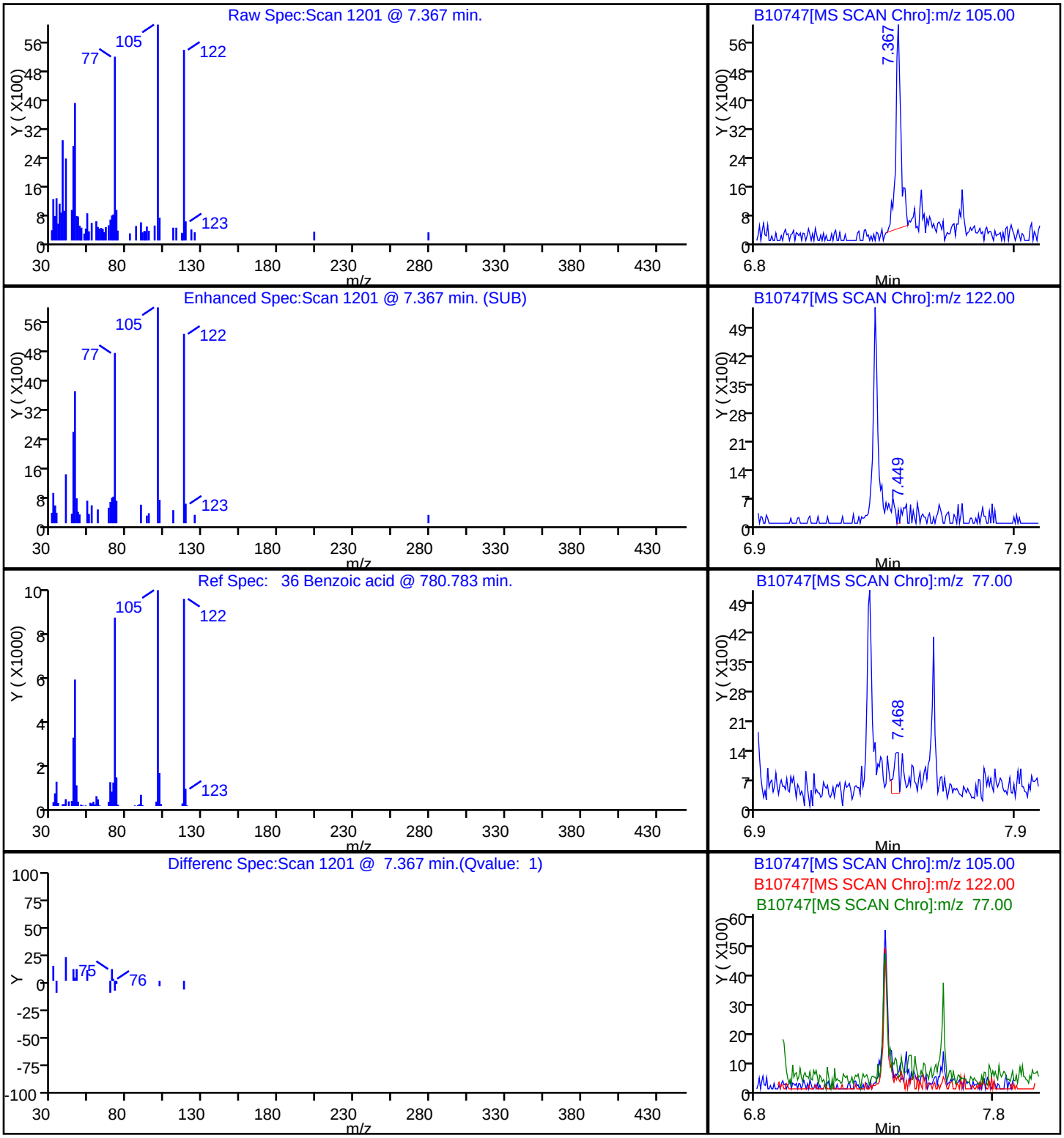
Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10747.D		
Inj Date:	05-Oct-2009 22:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49955	Lims Sample ID:	17
Client ID:	OC-SB-400-17/19-XXX	Instrument:	Inst. B
Sample Info:	360-24686-A-1-G		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 07-Oct-2009 12:09:02 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10747.D		
Inj Date:	05-Oct-2009 22:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49955	Lims Sample ID:	17
Client ID:	OC-SB-400-17/19-XXX	Instrument:	Inst. B
Sample Info:	360-24686-A-1-G		
Sample Amount:	1.00 ul	Operator:	MZ

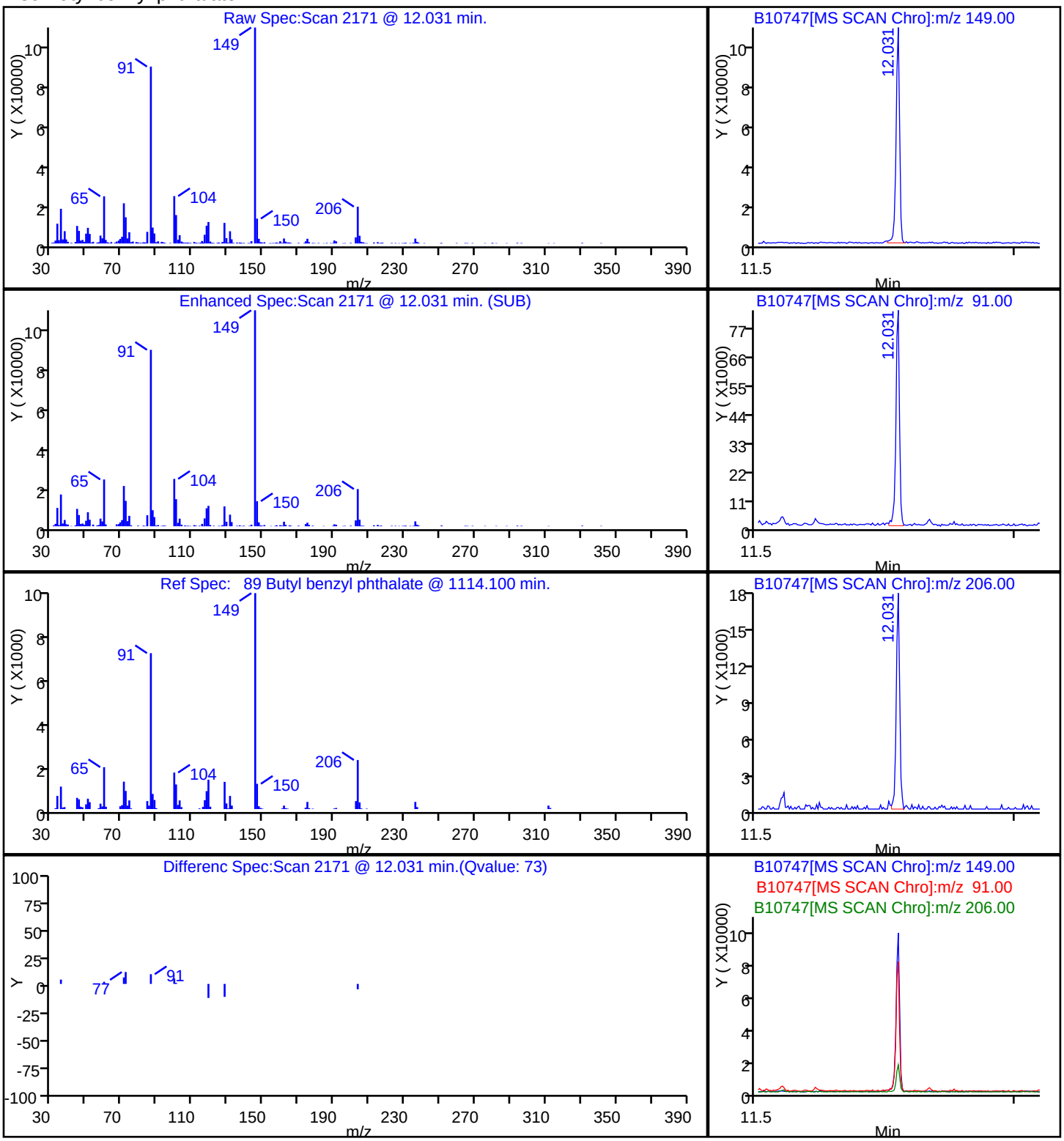
36 Benzoic acid



Report Date: 07-Oct-2009 12:09:03 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10747.D		
Inj Date:	05-Oct-2009 22:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49955	Lims Sample ID:	17
Client ID:	OC-SB-400-17/19-XXX	Instrument:	Inst. B
Sample Info:	360-24686-A-1-G		
Sample Amount:	1.00 ul	Operator:	MZ

89 Butyl benzyl phthalate



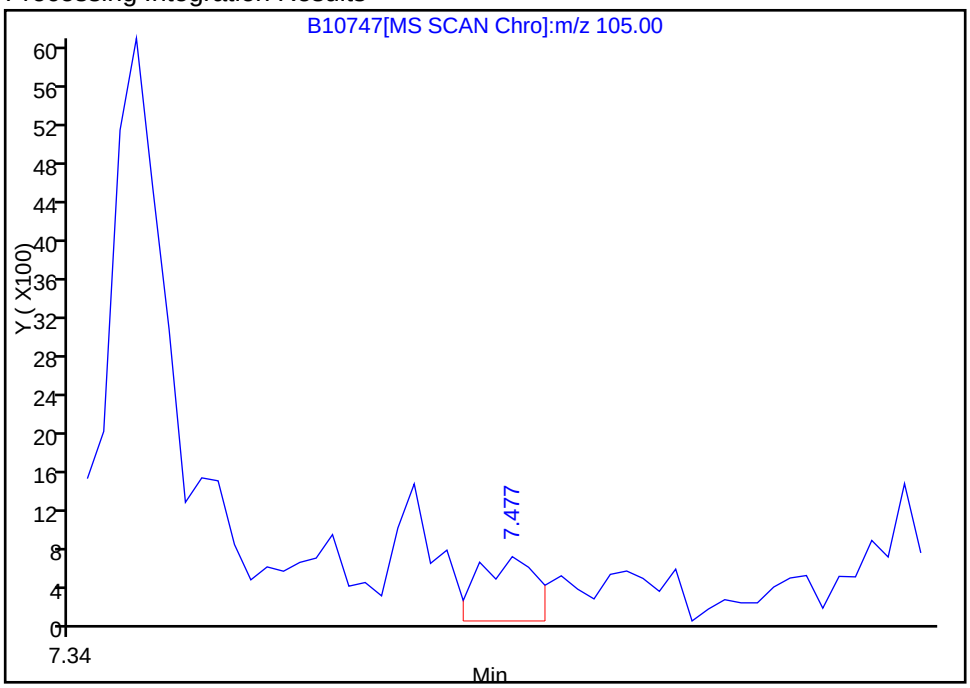
Chrom Revision: 1.1 01-Oct-2009 08:19:20
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10747.D		
Inj Date:	05-Oct-2009 22:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49955	Lims Sample ID:	17
Client ID:	OC-SB-400-17/19-XXX	Instrument:	Inst. B
Sample Info:	360-24686-A-1-G		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.48

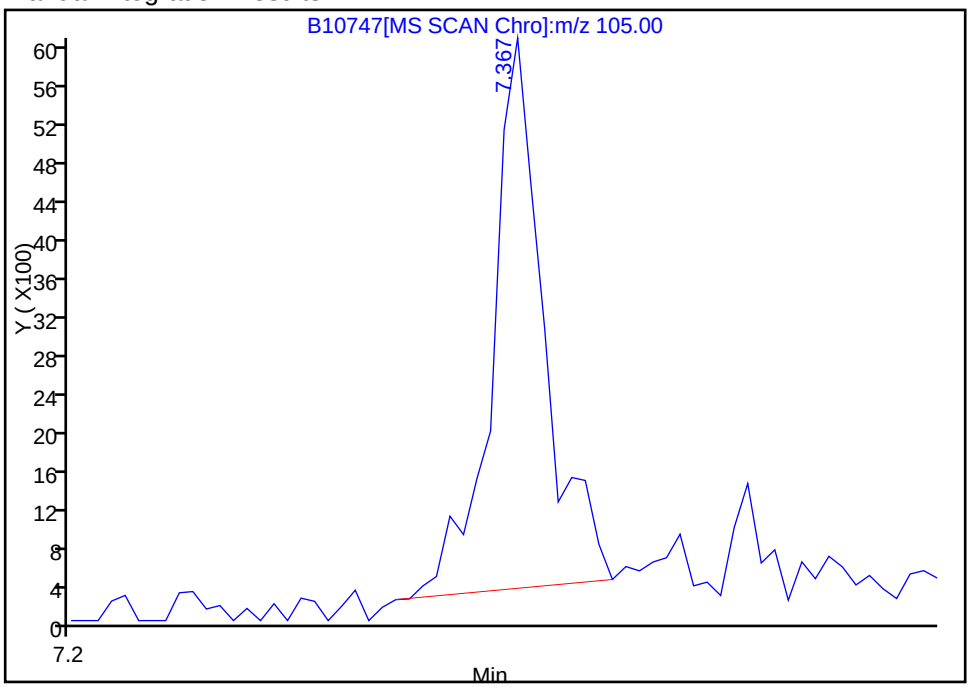
Processing Integration Results

RT: 7.48
Response: 827
Amount: 1.604305



Manual Integration Results

RT: 7.37
Response: 7328
Amount: 1.778319



Reviewer: sullivanp, 07-Oct-2009 12:09:01
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 07-Oct-2009 12:09:04 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10747.D

Inj Date: 05-Oct-2009 22:41:30 Limit Group: SMS - 8270LL SVOA Calibration

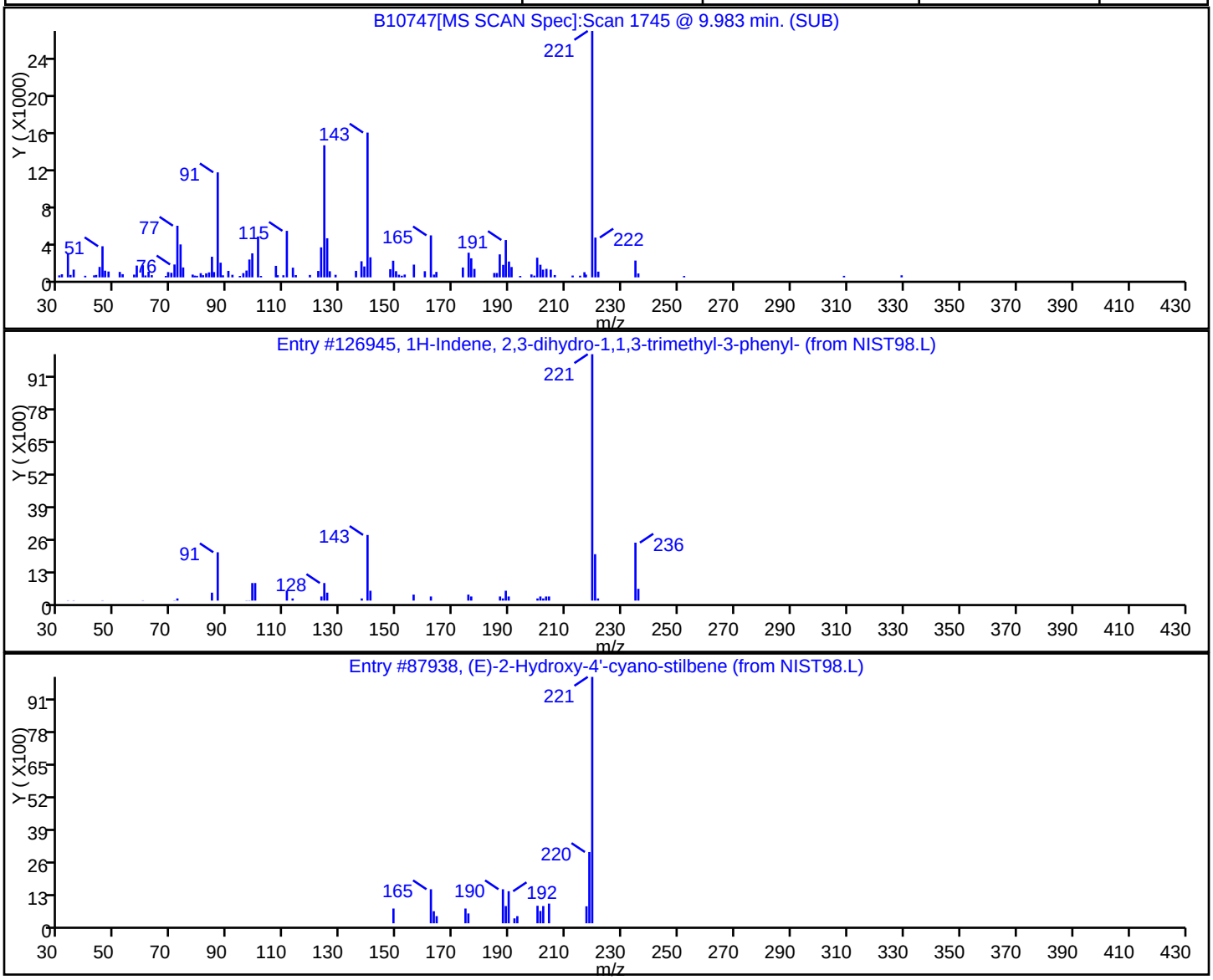
Lims Batch ID: 49955 Lims Sample ID: 17

Client ID: OC-SB-400-17/19-XXX Instrument: Inst. B

Sample Info: 360-24686-A-1-G

Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126945	90
(E)-2-Hydroxy-4'-cyano-stilbene	1000147-85-5	NIST98.L	87938	59



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: OC-SB-473-13/15-XXX | Lab Sample ID: 360-24686-8

Matrix: Solid | Lab File ID: B10754.D

Analysis Method: 8270C LL | Date Collected: 09/18/2009 09:20

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.76(g) | Date Analyzed: 10/06/2009 01:55

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

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

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49955 | Units: ug/Kg

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: OC-SB-473-13/15-XXX | Lab Sample ID: 360-24686-8

Matrix: Solid | Lab File ID: B10754.D

Analysis Method: 8270C LL | Date Collected: 09/18/2009 09:20

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.76(g) | Date Analyzed: 10/06/2009 01:55

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

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

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49955 | Units: ug/Kg

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: OC-SB-473-13/15-XXX | Lab Sample ID: 360-24686-8

Matrix: Solid | Lab File ID: B10754.D

Analysis Method: 8270C LL | Date Collected: 09/18/2009 09:20

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.76(g) | Date Analyzed: 10/06/2009 01:55

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

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

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49955 | Units: ug/Kg

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

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	64	30-130	
321-60-8	2-Fluorobiphenyl	56	30-130	
367-12-4	2-Fluorophenol	75	30-130	
4165-60-0	Nitrobenzene-d5	55	30-130	
4165-62-2	Phenol-d5	59	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.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: OC-SB-473-13/15-XXX | Lab Sample ID: 360-24686-8

Matrix: Solid | Lab File ID: B10754.D

Analysis Method: 8270C LL | Date Collected: 09/18/2009 09:20

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.76(g) | Date Analyzed: 10/06/2009 01:55

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

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

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49955 | Units: ug/Kg

Number TICs Found: 2 | TIC Result Total: 19

CAS NO.	COMPOUND NAME	RT	RESULT	Q
615-22-5	Benzothiazole, 2-(methylthio)-	9.60	10	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	9.98	9.0	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10754.D		
Lims ID:	360-24686-A-8-D	Client ID:	OC-SB-473-13/15-XXX
Inject. Date:	06-Oct-2009 01:55:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24686-A-8-D		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	24
Lims Batch ID:	49955	Lims Sample ID:	24
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 13:08:06	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	07-Oct-2009 13:08:06

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.442	6.450	-0.008	245673	2.00	
* 2 Naphthalene-d8	136	7.591	7.594	-0.003	572601	2.00	
* 3 Acenaphthene-d10	164	9.077	9.076	0.001	273577	2.00	
* 4 Phenanthrene-d10	188	10.308	10.307	0.001	433968	2.00	
* 5 Chrysene-d12	240	12.611	12.610	0.001	298785	2.00	
* 6 Perylene-d12	264	15.006	15.000	0.006	168721	2.00	
$ 7 2-Fluorophenol	112	5.057	4.983	0.074	525769	7.46	
$ 8 Phenol-d5	99	6.139	6.128	0.011	579967	5.89	
$ 9 Nitrobenzene-d5	82	6.966	6.969	-0.003	306294	2.75	
$ 10 2-Fluorobiphenyl	172	8.514	8.513	0.001	582054	2.79	
$ 11 2,4,6-Tribromophenol	330	9.731	9.730	0.001	128413	6.40	
$ 12 Terphenyl-d14	244	11.626	11.624	0.002	440330	3.40	
30 Acetophenone	105	6.826	6.835	-0.009	6972	0.0596	
41 Naphthalene	128	7.610	7.614	-0.004	4437	0.0158	
54 Phenyl ether	170	8.683	8.686	-0.003	7589	0.0652	
13 Benzophenone	105	9.668	9.667	0.001	4345	0.0231	
84 Di-n-butyl phthalate	149	10.784	10.783	0.001	23941	0.0733	
89 Butyl benzyl phthalate	149	12.030	12.033	-0.003	14770	0.1351	
92 Bis(2-ethylhexyl) phthalate	149	12.631	12.629	0.002	18325	0.1146	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10754.D		
Lims ID:	360-24686-A-8-D	Client ID:	OC-SB-473-13/15-XXX
Inject. Date:	06-Oct-2009 01:55:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24686-A-8-D		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	24
Lims Batch ID:	49955	Lims Sample ID:	24
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 13:08:06	Calib Date:	05-Oct-2009 19:27:30
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:	07-Oct-2009 13:08:06

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

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Alpha-Terpineol	7.625	1303	0.0144	
Benzidine	11.438	78	0.0523	
1,4-Dioxane	1.859	2019	0.0692	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
615-22-5 Benzothiazole, 2-(methylthio)-						
9.601	224195	0.2933	3	98	125389	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
9.981	160034	0.2528	4	91	87885	

Quantitation Compounds

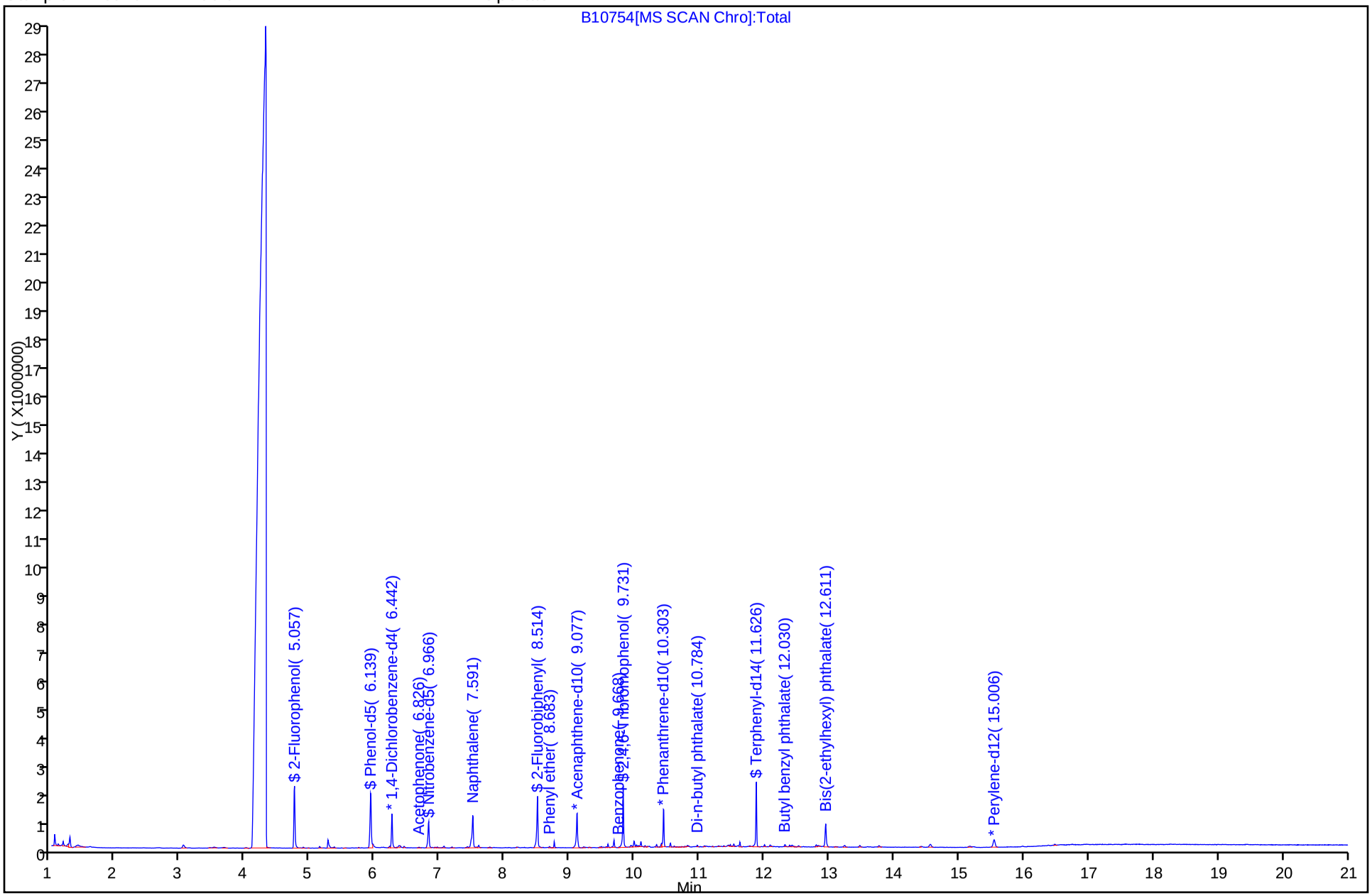
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	9.077	1528861	2.00
* 4 Phenanthrene-d10	10.303	1265973	2.00

QC Flag Legend

Processing Flags

Report Date: 07-Oct-2009 13:08:07 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10754.D		
Inj Date:	06-Oct-2009 01:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49955	Lims Sample ID:	24
Client ID:	OC-SB-473-13/15-XXX	Instrument:	Inst. B
Sample Info:	360-24686-A-8-D		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 07-Oct-2009 13:08:08 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10754.D

Inj Date: 06-Oct-2009 01:55:30 Limit Group: SMS - 8270LL SVOA Calibration

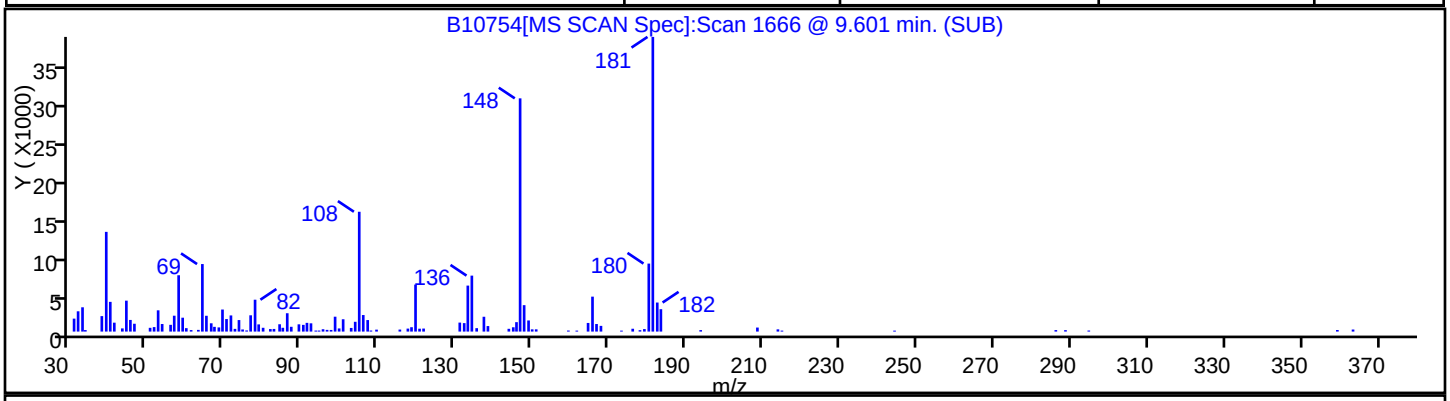
Lims Batch ID: 49955 Lims Sample ID: 24

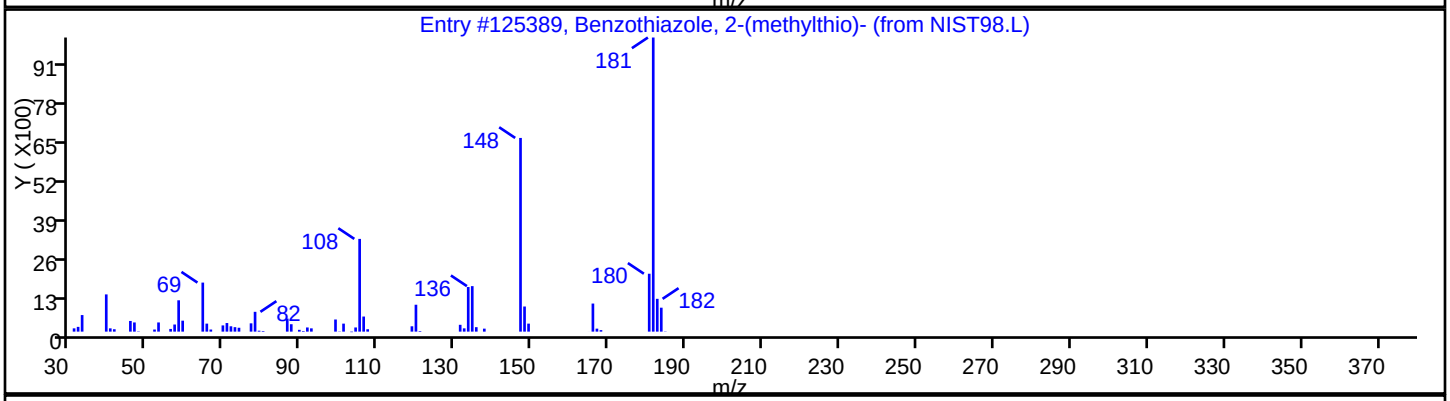
Client ID: OC-SB-473-13/15-XXX Instrument: Inst. B

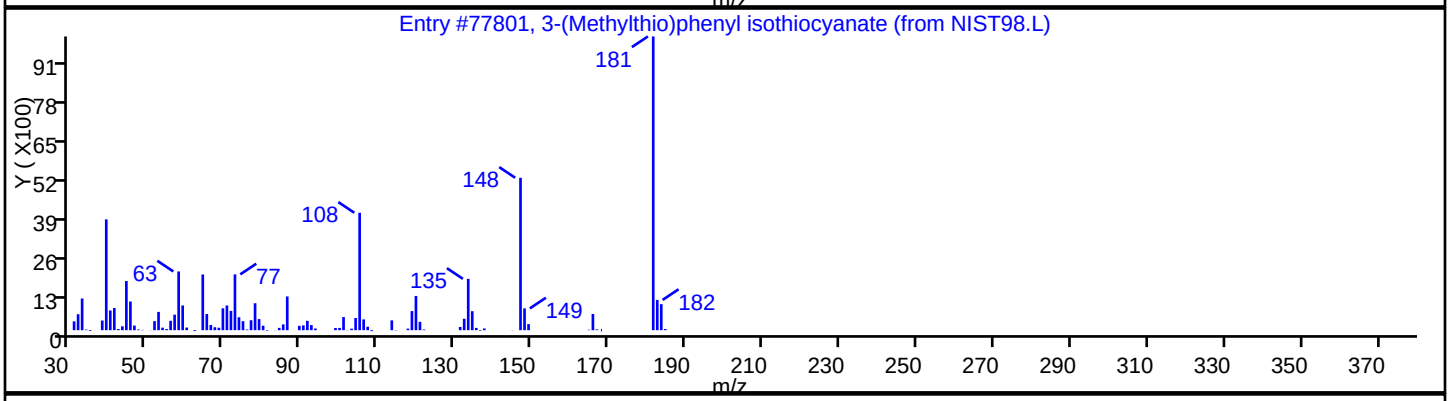
Sample Info: 360-24686-A-8-D

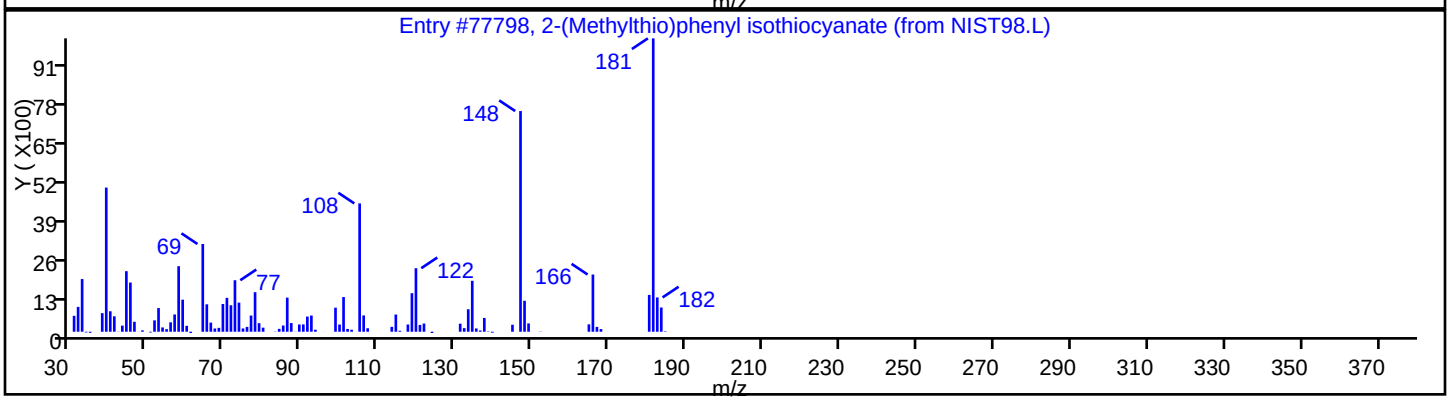
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	125389	98
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	70
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	64





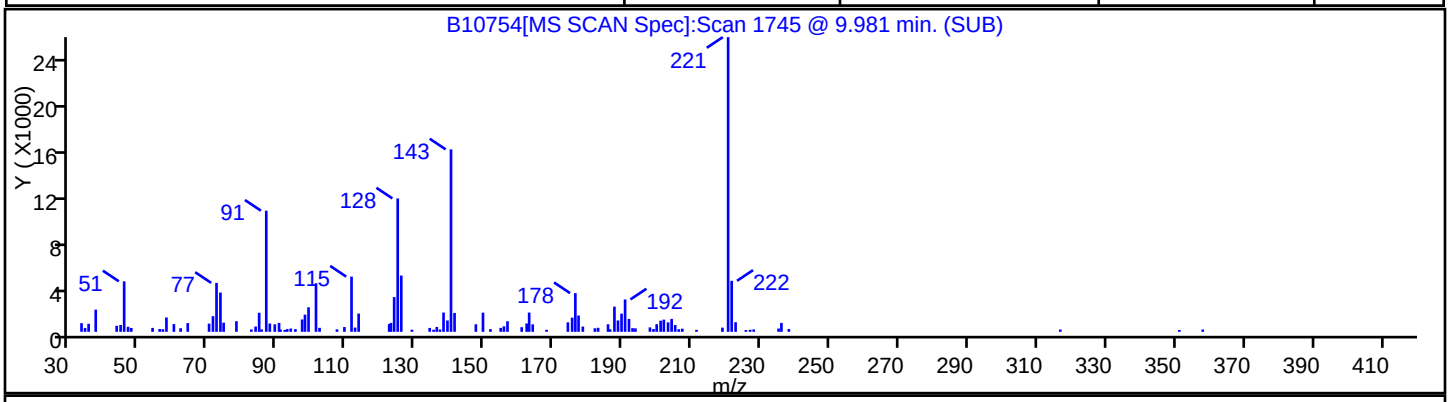


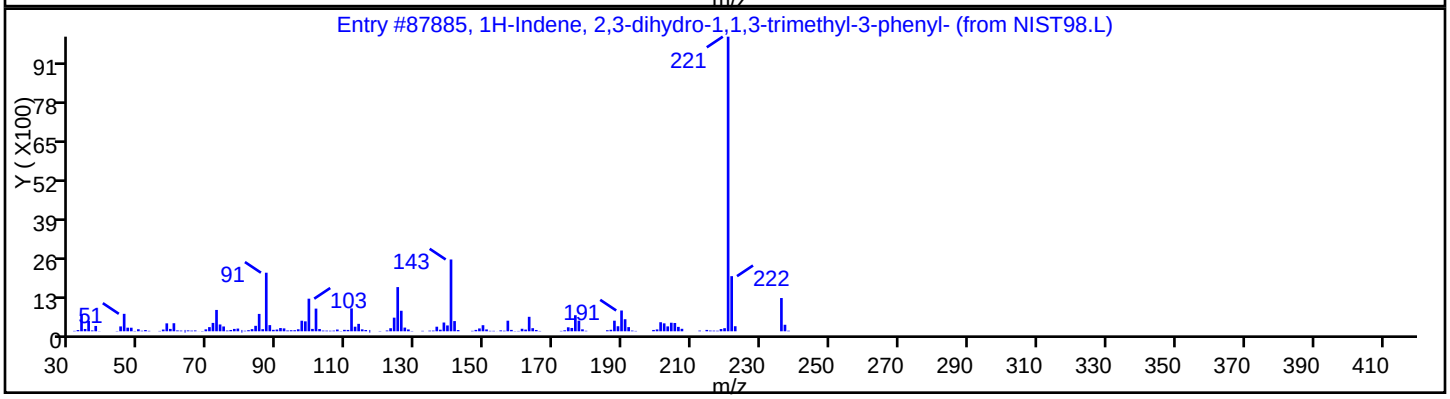


Report Date: 07-Oct-2009 13:08:08 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10754.D		
Inj Date:	06-Oct-2009 01:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49955	Lims Sample ID:	24
Client ID:	OC-SB-473-13/15-XXX	Instrument:	Inst. B
Sample Info:	360-24686-A-8-D		
Sample Amount:	1.00 ul	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	87885	91





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

Lab Name: TestAmerica Westfield Job No.: 360-24686-2 Analy Batch No.: 49953

SDG No.: OCRI-18A

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

Calibration Start Date: 10/05/2009 15:45 Calibration End Date: 10/05/2009 19:27 Calibration ID: 4996

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49953/3	B10733.D
Level 2	STD025 360-49953/4	B10734.D
Level 3	STD05 360-49953/5	B10735.D
Level 4	STD1 360-49953/6	B10736.D
Level 5	STD25 360-49953/7	B10737.D
Level 6	STD5 360-49953/2	B10732.D
Level 7	STD8 360-49953/8	B10738.D
Level 8	STD10 360-49953/9	B10739.D
Level 9	STD20 360-49953/10	B10740.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	0.2662 0.2041	0.2840 0.2091	0.2216 0.2350	0.2296 0.2761	0.2113	Ave		0.2374				13.0		15.0			
Pyridine	+++++ 0.5072	0.5215 0.5886	0.4713 0.6277	0.5294 0.7932	0.5518	Qua	0.0383	0.4444	0.0174						1.0000		0.9900
N-Nitrosodimethylamine	0.5726 0.5296	0.6020 0.6192	0.5818 0.6931	0.5892 0.8025	0.5667	Ave		0.6174				13.0		15.0			
Benzoic acid	+++++ 0.0624	+++++ 0.1399	+++++ 0.1521	0.0237 0.1956	0.0396	Qua	-0.205	0.1231	0.0042						0.9940		0.9900
Benzaldehyde	0.2613 0.2495	0.2701 0.2872	0.2506 0.3191	0.2850 0.3823	0.2556	Ave		0.2845				15.0		15.0			
2,4-Dinitrophenol	+++++ 0.0380	+++++ 0.0945	+++++ 0.0980	0.0144 0.1355	0.0318	Qua	-0.117	0.0720	0.0035		0.0500				0.9940		0.9900
Aniline	0.9576 0.9286	0.9311 1.1442	0.9165 1.3185	0.9412 +++++	0.9440	Ave		1.0102				14.0		15.0			
Phenol	0.7320 0.8680	0.9948 1.0398	0.9308 1.1925	0.8441 +++++	0.8833	Ave		0.9357				15.0		15.0			
Bis(2-chloroethyl)ether	0.6535 0.5214	0.5379 0.6213	0.6054 0.6931	0.5922 +++++	0.5659	Ave		0.5988				9.6		15.0			
2-Chlorophenol	0.7071 0.6045	0.7618 0.7196	0.6920 0.8032	0.6607 +++++	0.6481	Ave		0.6996				9.1		15.0			
1,4-Dichlorobenzene	0.9703 0.7202	0.9512 0.8585	0.8625 0.9660	0.8349 +++++	0.7827	Ave		0.8683				10.0		15.0			
1,3-Dichlorobenzene	1.0431 0.7615	1.0003 0.9134	0.9198 1.0166	0.8809 +++++	0.8087	Ave		0.9180				11.0		15.0			
Benzyl alcohol	0.4064 0.6041	0.5111 0.7751	0.5685 0.9004	0.5881 1.1946	0.6272	Qua	-0.031	0.5275	0.0336						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.: 360-24686-2 Analy Batch No.: 49953

SDG No.: OCRI-18A

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

Calibration Start Date: 10/05/2009 15:45 Calibration End Date: 10/05/2009 19:27 Calibration ID: 4996

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	0.9748 0.7336	0.8857 0.9024	0.7848 1.0232	0.7954 +++++	0.7480	Ave		0.8560				13.0		15.0			
2-Methylphenol	0.5756 0.5448	0.6703 0.6581	0.6239 0.7472	0.6242 +++++	0.5614	Ave		0.6257				11.0		15.0			
2,2'-oxybis[1-chloropropane]	1.4419 1.0009	1.3225 1.1793	1.2068 1.3190	1.1687 +++++	1.0779	Ave		1.2146				12.0		15.0			
Pentachlorophenol	+++++ 0.0777	+++++ 0.1070	+++++ 0.1134	0.0362 0.1654	0.0635	Qua	-0.048	0.0698	0.0049						1.0000		0.9900
Acetophenone	0.9442 0.8538	0.9144 1.0529	0.8976 1.1663	0.9066 +++++	0.8832	Ave		0.9524				11.0		15.0			
N-Nitrosodi-n-propylamine	0.5270 0.4791	0.5309 0.6062	0.5089 0.6876	0.5101 +++++	0.4982	Ave		0.5435			0.0500	13.0		15.0			
3 & 4 Methylphenol	0.6063 0.5915	0.6714 0.7359	0.6122 0.8425	0.6293 +++++	0.6153	Ave		0.6631				13.0		15.0			
Hexachloroethane	0.3847 0.3049	0.3767 0.3729	0.3576 0.4191	0.3506 +++++	0.3276	Ave		0.3618				9.7		15.0			
Nitrobenzene	0.3904 0.3860	0.3743 0.4009	0.3563 0.4147	0.3530 0.4523	0.3541	Ave		0.3869				8.5		15.0			
Isophorone	0.5340 0.6370	0.5533 0.6546	0.5537 0.6881	0.5569 0.7224	0.5771	Ave		0.6085				11.0		15.0			
2-Nitrophenol	0.1047 0.1569	0.1361 0.1739	0.1314 0.1841	0.1379 0.2039	0.1486	Lin1	-0.017	0.1873							0.9900		0.9900
2,4-Dimethylphenol	0.3204 0.3405	0.2951 0.3472	0.2953 0.3721	0.3050 0.4052	0.3044	Ave		0.3317				11.0		15.0			
Bis(2-chloroethoxy)methane	0.3445 0.3322	0.3131 0.3478	0.2995 0.3613	0.3162 0.4150	0.3051	Ave		0.3372				11.0		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.0438	+++++ 0.0859	0.0197 0.0921	0.0307 0.1186	0.0458	Qua	-0.055	0.0643	0.0029						0.9950		0.9900
2,4-Dichlorophenol	0.2298 0.2630	0.2385 0.2784	0.2351 0.2876	0.2314 0.3324	0.2416	Ave		0.2598				13.0		15.0			
1,2,4-Trichlorobenzene	0.3103 0.2986	0.2969 0.3126	0.2717 0.3309	0.2828 0.3824	0.2752	Ave		0.3068				11.0		15.0			
Naphthalene	1.0915 0.9592	0.9580 1.0147	0.9207 1.0603	0.9061 1.0205	0.8731	Ave		0.9782				7.5		15.0			
Alpha-Terpineol	0.3039 0.3198	0.2841 0.3360	0.2664 0.3489	0.2981 0.3904	0.2964	Ave		0.3160				12.0		15.0			
4-Chloroaniline	0.3437 0.4053	0.3371 0.4447	0.3505 0.4749	0.3495 +++++	0.3674	Ave		0.3841				13.0		15.0			
Hexachlorobutadiene	0.1923 0.1733	0.1675 0.1789	0.1561 0.1899	0.1519 0.2303	0.1539	Ave		0.1771				14.0		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24686-2 Analy Batch No.: 49953

SDG No.: OCRI-18A

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

Calibration Start Date: 10/05/2009 15:45 Calibration End Date: 10/05/2009 19:27 Calibration ID: 4996

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								
Caprolactam	0.1204 0.1412	0.1129 0.1475	0.1369 0.1550	0.1225 0.1590	0.1344	Ave		0.1366				12.0		15.0			
4-Chloro-3-methylphenol	0.2510 0.2966	0.2464 0.3131	0.2628 0.3320	0.2542 0.3680	0.2693	Ave		0.2881				15.0		15.0			
4-Nitrophenol	+++++ 0.2396	0.1119 0.2918	0.1404 0.2976	0.1759 0.3266	0.2269	Lin1	-0.083	0.3078			0.0500				0.9900		0.9900
2-Methylnaphthalene	0.7169 0.6598	0.6590 0.6989	0.6151 0.7431	0.6083 0.8109	0.6045	Ave		0.6796				10.0		15.0			
1-Methylnaphthalene	0.6645 0.6454	0.6230 0.6901	0.5937 0.7253	0.5725 0.7859	0.5821	Ave		0.6536				11.0		15.0			
Hexachlorocyclopentadiene	0.1182 0.2394	0.1249 0.2708	0.1255 0.2853	0.1703 0.3643	0.1941	Qua	-0.039	0.2103	0.0078		0.0500				1.0000		0.9900
1,2,4,5-Tetrachlorobenzene	0.2480 0.2570	0.2502 0.2825	0.2473 0.3001	0.2297 +++++	0.2323	Ave		0.2559				9.4		15.0			
2,4,6-Trichlorophenol	0.2563 0.3586	0.3233 0.3917	0.2913 0.4067	0.3170 0.4638	0.3382	Lin	-0.223	0.4581							0.9930		0.9900
2,4,5-Trichlorophenol	0.2651 0.3763	0.3177 0.4084	0.3040 0.4234	0.3376 0.4882	0.3380	Lin	-0.247	0.4818							0.9930		0.9900
1,1'-Biphenyl	1.7590 1.6067	1.5455 1.7600	1.3723 1.8394	1.4293 1.8612	1.4538	Ave		1.6252				11.0		15.0			
2-Chloronaphthalene	1.6584 1.5605	1.5949 1.6684	1.2943 1.7585	1.3467 2.1640	1.4752	Qua	0.0154	1.3468	0.0408						1.0000		0.9900
Phenyl ether	0.3776 0.3927	0.3948 0.4240	0.3725 0.4478	0.3708 0.5147	0.3639	Ave		0.4065				12.0		15.0			
4-Nitroaniline	0.2896 0.4329	0.3394 0.4541	0.3480 0.4733	0.3692 0.5149	0.3955	Lin1	-0.041	0.4823							0.9940		0.9900
Dimethyl phthalate	1.5754 1.4475	1.4229 1.5293	1.2954 1.5993	1.3731 1.6638	1.3213	Ave		1.4698				8.8		15.0			
2,6-Dinitrotoluene	0.2533 0.3209	0.2646 0.3297	0.2616 0.3434	0.3044 0.3869	0.2998	Ave		0.3072				14.0		15.0			
Acenaphthylene	2.0030 2.0863	1.8729 2.2743	1.7717 2.3724	1.8722 2.3105	1.8806	Ave		2.0493				11.0		15.0			
3-Nitroaniline	0.2543 0.3289	0.2666 0.3494	0.2827 0.3540	0.3067 0.3846	0.3093	Ave		0.3152				14.0		15.0			
Acenaphthene	1.3623 1.3533	1.2165 1.4629	1.2148 1.5295	1.1994 1.6372	1.2370	Ave		1.3570				12.0		15.0			
2,4-Dinitrotoluene	0.2738 0.4317	0.3280 0.4877	0.3259 0.5251	0.3787 +++++	0.3850	Lin1	-0.042	0.4847							0.9900		0.9900
Dibenzofuran	1.8148 1.7756	1.6488 1.9763	1.5232 2.0997	1.6015 2.1191	1.6281	Ave		1.7985				12.0		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24686-2 Analy Batch No.: 49953

SDG No.: OCRI-18A

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

Calibration Start Date: 10/05/2009 15:45 Calibration End Date: 10/05/2009 19:27 Calibration ID: 4996

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	0.1512 0.2542	0.1858 0.3060	0.1943 0.3161	0.2278 +++++	0.2379	Lin	-0.094	0.3148							0.9930		0.9900
Diethyl phthalate	1.6240 1.5637	1.5149 1.7079	1.3974 1.7427	1.5044 1.8356	1.4926	Ave		1.5981				8.8		15.0			
4-Chlorophenyl phenyl ether	0.6870 0.7246	0.5791 0.8372	0.5629 0.9201	0.5935 1.1108	0.6309	Qua	-0.103	0.6833	0.0218						1.0000		0.9900
Fluorene	1.4105 1.6641	1.3285 1.9257	1.2437 2.0274	1.3390 2.0336	1.4207	Lin1	-0.176	1.9480							0.9910		0.9900
2-Nitroaniline	0.3628 0.3648	0.3986 0.3854	0.4279 0.3926	0.4416 0.4317	0.4447	Ave		0.4056				7.9		15.0			
Diphenylamine	0.7777 0.7593	0.7128 0.7949	0.6613 0.8564	0.6729 0.9328	0.6746	Ave		0.7603				12.0		15.0			
N-Nitrosodiphenylamine	0.7777 0.7593	0.7128 0.7949	0.6613 0.8564	0.6729 0.9328	0.6746	Ave		0.7603				12.0		15.0			
1,2-Diphenylhydrazine	1.5536 1.7248	1.5108 1.8034	1.4914 1.8611	1.5627 1.8559	1.5885	Ave		1.6613				9.0		15.0			
Azobenzene	1.5536 1.7248	1.5108 1.8034	1.4914 1.8611	1.5627 1.8582	1.5885	Ave		1.6616				9.1		15.0			
Benzophenone	0.8316 0.9030	0.7608 0.9364	0.7263 0.9985	0.7675 1.1044	0.7737	Ave		0.8669				15.0		15.0			
4-Bromophenyl phenyl ether	0.2520 0.2079	0.1838 0.2211	0.1763 0.2371	0.1838 +++++	0.1767	Ave		0.2048				14.0		15.0			
Hexachlorobenzene	0.2055 0.1933	0.1899 0.2109	0.1674 0.2251	0.1715 +++++	0.1724	Ave		0.1920				11.0		15.0			
Atrazine	0.1721 0.1924	0.1593 0.1944	0.1691 0.2046	0.1664 0.2326	0.1726	Ave		0.1848				13.0		15.0			
Pentachloronitrobenzene	0.0696 0.1178	0.0942 0.1273	0.0895 0.1343	0.0987 0.1583	0.1003	Lin	-0.093	0.1559							0.9900		0.9900
Phenanthrene	1.2681 1.1882	1.1224 1.2779	1.0839 1.3347	1.0743 1.3513	1.0786	Ave		1.1977				9.4		15.0			
Anthracene	1.1204 1.1639	1.0052 1.2707	0.9729 1.3298	1.0138 1.3206	1.0501	Ave		1.1386				12.0		15.0			
Carbazole	0.9779 0.9888	0.8726 1.0058	0.9032 1.0752	0.9412 1.1642	0.9218	Ave		0.9834				9.2		15.0			
Di-n-butyl phthalate	1.6518 1.5443	1.4264 1.6215	1.3591 1.6830	1.3472 1.5073	1.4154	Ave		1.5062				8.4		15.0			
Fluoranthene	1.0818 1.1080	0.9332 1.2304	0.9735 1.2838	0.9803 1.3384	1.0116	Ave		1.1046				13.0		15.0			
Benzidine	0.1072 0.1747	0.1301 0.2205	0.1696 0.2424	0.1772 0.3142	0.1805	Qua	-0.008	0.1583	0.0078						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.: 360-24686-2 Analy Batch No.: 49953

SDG No.: OCRI-18A

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

Calibration Start Date: 10/05/2009 15:45 Calibration End Date: 10/05/2009 19:27 Calibration ID: 4996

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Pyrene	1.7659 1.4748	1.5778 1.3695	1.4481 1.4070	1.4117 1.0715	1.3367	Ave		1.4292				13.0		15.0			
Butyl benzyl phthalate	0.6962 0.8074	0.7311 0.7519	0.7050 0.7770	0.7238 0.6562	0.7367	Ave		0.7317				6.1		15.0			
3,3'-Dichlorobenzidine	0.2256 0.2725	0.2324 0.2859	0.2640 0.2950	0.2629 0.2698	0.2701	Ave		0.2642				8.5		15.0			
Benzo[a]anthracene	1.0747 0.9794	1.0088 1.0226	1.0261 1.0110	0.9489 0.9166	0.9503	Ave		0.9931				4.9		15.0			
Bis(2-ethylhexyl) phthalate	1.0796 1.1650	0.9946 1.1405	1.0072 1.1540	1.0387 0.9956	1.0610	Ave		1.0707				6.4		15.0			
Chrysene	1.1543 0.9746	1.0384 1.0000	0.9696 1.0245	0.9633 0.8894	0.9097	Ave		0.9915				7.9		15.0			
Di-n-octyl phthalate	1.3859 2.7089	1.4722 2.4934	1.5412 2.6092	1.8182 3.1521	2.1434	Lin	-1.715	3.0943							0.9900		0.9900
Benzo[b]fluoranthene	1.3064 1.4408	1.2906 1.3684	1.1448 1.4567	1.1723 1.8183	1.1968	Ave		1.3550				15.0		15.0			
Benzo[k]fluoranthene	1.3285 1.2640	1.1417 1.2724	1.1123 1.2924	1.1081 1.4781	1.1006	Ave		1.2331				10.0		15.0			
Benzo[a]pyrene	0.5849 1.0309	0.7020 1.0726	0.7755 1.0863	0.8251 1.2183	0.8956	Lin1	-0.112	1.1333							0.9930		0.9900
Indeno[1,2,3-cd]pyrene	0.5141 0.6029	0.5194 0.8014	0.5679 0.8737	0.6339 0.8972	0.6694	Lin	-0.420	0.9010							0.9940		0.9900
Dibenz(a,h)anthracene	0.4352 0.5372	0.3695 0.7272	0.4387 0.7153	0.4740 0.7698	0.5051	Lin	-0.388	0.7737							0.9950		0.9900
Benzo[g,h,i]perylene	0.6228 0.5883	0.4604 0.7226	0.5730 0.6937	0.5927 0.6851	0.5756	Ave		0.6127				13.0		15.0			
2-Fluorophenol	0.5319 0.5414	0.5784 0.6543	0.5363 0.6499	0.5577 +++++	0.5420	Ave		0.5740				8.8		15.0			
Phenol-d5	0.7317 0.7348	0.7439 0.9073	0.7533 1.0251	0.7652 +++++	0.7525	Ave		0.8017				13.0		15.0			
Nitrobenzene-d5	0.3687 0.4020	0.3669 0.4071	0.3526 0.4200	0.3706 0.4515	0.3587	Ave		0.3887				8.6		15.0			
2-Fluorobiphenyl	1.6251 1.5064	1.3996 1.6127	1.3254 1.6927	1.3652 1.7960	1.4004	Ave		1.5248				11.0		15.0			
2,4,6-Tribromophenol	0.0477 0.0824	0.0557 0.0911	0.0579 0.0987	0.0711 +++++	0.0673	Lin	-0.030	0.0972							0.9920		0.9900
Terphenyl-d14	1.0570 0.8735	0.9442 0.8448	0.8323 0.8774	0.8039 0.7991	0.7601	Ave		0.8658				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.: 360-24686-2 Analy Batch No.: 49953

SDG No.: OCRI-18A

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

Calibration Start Date: 10/05/2009 15:45 Calibration End Date: 10/05/2009 19:27 Calibration ID: 4996

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49953/3	B10733.D
Level 2	STD025 360-49953/4	B10734.D
Level 3	STD05 360-49953/5	B10735.D
Level 4	STD1 360-49953/6	B10736.D
Level 5	STD25 360-49953/7	B10737.D
Level 6	STD5 360-49953/2	B10732.D
Level 7	STD8 360-49953/8	B10738.D
Level 8	STD10 360-49953/9	B10739.D
Level 9	STD20 360-49953/10	B10740.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	Ave	2796 157181	7844 198421	11898 260139	24635 573890	70666	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyridine	DCB	Qua	+++++ 390586	14402 558531	25311 694971	56802 1648855	184547	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodimethylamine	DCB	Ave	6014 407802	16627 587549	31242 767388	63212 1668267	189516	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Qua	+++++ 90690	+++++ 295744	+++++ 399708	5875 1120291	28837	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
Benzaldehyde	DCB	Ave	2744 192147	7461 272476	13458 353234	30580 794799	85483	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Qua	+++++ 26042	+++++ 94975	+++++ 122671	1697 371067	11028	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
Aniline	DCB	Ave	10057 715029	25715 1085685	49216 1459710	100979 +++++	315722	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Phenol	DCB	Ave	7688 668368	27475 986590	49981 1320234	90570 +++++	295402	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Bis(2-chloroethyl)ether	DCB	Ave	6864 401484	14856 589571	32509 767329	63537 +++++	189248	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Chlorophenol	DCB	Ave	7427 465499	21040 682822	37160 889190	70892 +++++	216746	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
1,4-Dichlorobenzene	DCB	Ave	10191 554582	26270 814614	46314 1069444	89575 +++++	261763	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
1,3-Dichlorobenzene	DCB	Ave	10955 586331	27626 866730	49391 1125515	94511 +++++	270475	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Benzyl alcohol	DCB	Qua	4268 465200	14115 735510	30529 996820	63095 2483349	209750	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Dichlorobenzene	DCB	Ave	10238 564916	24463 856290	42144 1132789	85336 +++++	250160	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.: 360-24686-2 Analy Batch No.: 49953

SDG No.: OCRI-18A

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

Calibration Start Date: 10/05/2009 15:45 Calibration End Date: 10/05/2009 19:27 Calibration ID: 4996

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	6045 419471	18513 624474	33501 827232	66976 +++++	187748	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,2'-oxybis[1-chloropropane]	DCB	Ave	15144 770699	36525 1119037	64804 1460285	125388 +++++	360493	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Pentachlorophenol	PHN	Qua	+++++ 86179	+++++ 182069	+++++ 238483	7017 759774	37019	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
Acetophenone	DCB	Ave	9917 657414	25254 999034	48203 1291211	97273 +++++	295376	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	5535 368910	14664 575253	27328 761263	54725 +++++	166611	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
3 & 4 Methylphenol	DCB	Ave	6368 455437	18544 698230	32873 932759	67522 +++++	205794	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Hexachloroethane	DCB	Ave	4040 234745	10403 353791	19204 464032	37618 +++++	109565	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Nitrobenzene	NPT	Ave	9602 560531	25005 847399	44313 1089797	87525 2589976	257948	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Isophorone	NPT	Ave	13134 925113	36960 1383624	68863 1808135	138069 4136427	420409	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitrophenol	NPT	Lin1	2575 227838	9091 367557	16342 483818	34188 1167634	108240	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Ave	7880 494513	19715 733804	36730 977703	75629 2320318	221731	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	8473 482523	20913 735091	37252 949385	78392 2376261	222287	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	+++++ 48598	+++++ 146133	1974 193681	5958 544544	26714	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dichlorophenol	NPT	Ave	5653 381983	15933 588411	29243 755857	57368 1903587	175964	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Ave	7632 433696	19833 660769	33793 869490	70106 2189815	200452	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Ave	26847 1393039	63996 2144788	114511 2786387	224671 5843297	636058	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Ave	7476 464487	18976 710167	33128 916898	73906 2235623	215885	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloroaniline	NPT	Ave	8455 588598	22517 939971	43596 1247973	86657 +++++	267673	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Hexachlorobutadiene	NPT	Ave	4731 251736	11189 378136	19413 498953	37665 1318765	112147	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Caprolactam	NPT	Ave	2962 205075	7540 311794	17032 407312	30370 910432	97874	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloro-3-methylphenol	NPT	Ave	6174 430717	16458 661770	32681 872389	63022 2107172	196170	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.: 360-24686-2 Analy Batch No.: 49953

SDG No.: OCRI-18A

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

Calibration Start Date: 10/05/2009 15:45 Calibration End Date: 10/05/2009 19:27 Calibration ID: 4996

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Nitrophenol	ANT	Lin1	+++++ 164206	3541 293338	8698 372658	20708 894125	78707	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Ave	17632 958234	44024 1477300	76505 1952777	150830 4643483	440342	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1-Methylnaphthalene	NPT	Ave	16344 937339	41616 1458611	73843 1905973	141950 4499979	424075	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorocyclopentadiene	ANT	Qua	1366 164032	3953 272174	7776 357207	20057 997241	67346	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	6101 373203	16714 597057	30761 788723	56940 +++++	169190	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,4,6-Trichlorophenol	ANT	Lin	2963 245726	10232 393741	18046 509270	37326 1269681	117331	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Lin	3064 257847	10056 410572	18833 530129	39748 1336482	117246	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	20333 1101065	48912 1769239	85006 2303321	168290 5095411	504337	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Qua	19170 1069378	50477 1677091	80175 2202034	158575 5924403	511756	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	9287 570252	26375 896268	46327 1176639	91937 2947332	265105	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitroaniline	ANT	Lin1	3348 296656	10742 456496	21556 592630	43469 1409656	137200	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	18210 991976	45031 1537263	80246 2002598	161678 4554931	458382	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Ave	2928 219928	8375 331415	16208 429995	35843 1059197	104018	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	23153 1429760	59273 2286250	109749 2970693	220449 6325406	652390	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Ave	2940 225429	8438 351275	17511 443256	36118 1052941	107308	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	15747 927386	38500 1470561	75255 1915311	141225 4482073	429139	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	3165 295850	10380 490229	20191 657475	44591 +++++	133577	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Dibenzofuran	ANT	Ave	20977 1216786	52180 1986670	94356 2629237	188571 5801363	564797	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,3,4,6-Tetrachlorophenol	ANT	Lin	1748 174225	5879 307633	12039 395827	26820 +++++	82521	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Diethyl phthalate	ANT	Ave	18772 1071609	47945 1716833	86565 2182165	177137 5025170	517793	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chlorophenyl phenyl ether	ANT	Qua	7941 496563	18328 841542	34868 1152098	69885 3041058	218862	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.: 360-24686-2 Analy Batch No.: 49953

SDG No.: OCRI-18A

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

Calibration Start Date: 10/05/2009 15:45 Calibration End Date: 10/05/2009 19:27 Calibration ID: 4996

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	Lin1	16304 1140404	42046 1935779	77040 2538768	157664 5567464	492854	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Ave	4194 250003	12615 387429	26507 491582	51993 1181816	154271	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	14471 842174	37195 1352035	66107 1801759	130545 4283973	393103	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	14471 842174	37195 1352035	66107 1801759	130545 4283973	393103	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	28910 1912912	78838 3067254	149093 3915381	303183 8523165	925631	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	28910 1912912	78838 3067254	149093 3915381	303183 8533792	925631	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzophenone	PHN	Ave	15475 1001538	39700 1592709	72609 2100598	148902 5072180	450814	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	4690 230606	9591 376126	17622 498754	35662 +++++	102973	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Hexachlorobenzene	PHN	Ave	3824 214333	9912 358763	16733 473551	33266 +++++	100447	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Atrazine	PHN	Ave	3203 213425	8312 330714	16909 430404	32283 1068174	100550	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin	1295 130680	4917 216545	8950 282619	19145 726810	58453	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	23598 1317827	58572 2173458	108354 2807787	208436 6206169	628489	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	20848 1290857	52455 2161241	97260 2797589	196688 6064956	611905	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	18197 1096667	45537 1710668	90289 2261915	182603 5346529	537147	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Ave	30737 1712782	74437 2757859	135869 3540664	261374 6922282	824759	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	20131 1228902	48697 2092735	97320 2700697	190193 6146677	589452	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Qua	1994 193722	6791 374992	16952 510016	34373 1442795	105147	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	21030 1283275	52309 2186672	102652 2860854	199373 6310892	622505	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Ave	8291 702548	24238 1200631	49973 1579767	102219 3864754	343096	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Ave	2687 237121	7705 456501	18714 599726	37129 1589088	125790	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]anthracene	CRY	Ave	12798 852255	33443 1632792	72735 2055525	134017 5398171	442551	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.: 360-24686-2 Analy Batch No.: 49953

SDG No.: OCRI-18A

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

Calibration Start Date: 10/05/2009 15:45 Calibration End Date: 10/05/2009 19:27 Calibration ID: 4996

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
Bis(2-ethylhexyl) phthalate	CRY	Ave	12857 1013743	32973 1821030	71397 2346406	146699 5863532	494117	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Chrysene	CRY	Ave	13746 848034	34427 1596696	68728 2083026	136039 5237919	423675	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Lin	10047 1270014	28096 2422586	72488 3062888	169627 7302895	647849	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Ave	9471 675468	24630 1329503	53841 1709996	109373 4212583	361734	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Ave	9631 592586	21788 1236255	52312 1517189	103379 3424464	332646	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Lin1	4240 483317	13396 1042134	36472 1275167	76978 2822594	270694	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	3727 282636	9913 778657	26708 1025652	59143 2078586	202326	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Lin	3155 251849	7052 706510	20634 839689	44223 1783580	152677	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	4515 275799	8786 702055	26949 814338	55294 1587353	173961	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	5586 416852	15976 620830	28797 719550	59842 +++++	181275	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Phenol-d5	DCB	Ave	7685 565790	20547 860916	40452 1134854	82098 +++++	251652	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Nitrobenzene-d5	NPT	Ave	9069 583865	24513 860575	43856 1103817	91886 2585433	261311	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorobiphenyl	ANT	Ave	18785 1032359	44295 1621120	82101 2119556	160751 4916987	485829	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin	888 91336	2905 154894	5790 207665	13800 +++++	39219	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Terphenyl-d14	CRY	Ave	12587 760103	31303 1348921	59000 1784062	113535 4706061	354010	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
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10732.D		
Lims ID:	std5	Client ID:	
Inject. Date:	05-Oct-2009 15:45:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	5.0 ug/ml		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49953	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 13:47:32	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		
Reviewed By:	sullivanp	Date:	07-Oct-2009 11:17:16
Reviewed By:	sullivanp	Date:	07-Oct-2009 12:06:47
Reviewed By:	weigelb	Date:	29-Oct-2009 16:07:00
Reviewed By:	weigelb	Date:	29-Oct-2009 16:07:52

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.451	6.451	0.000	308005	2.00	
* 2 Naphthalene-d8	136	7.595	7.595	0.000	580921	2.00	
* 3 Acenaphthene-d10	164	9.076	9.076	0.000	274120	2.00	
* 4 Phenanthrene-d10	188	10.307	10.307	0.000	443637	2.00	
* 5 Chrysene-d12	240	12.611	12.611	0.000	348060	2.00	
* 6 Perylene-d12	264	15.001	15.001	0.000	187531	2.00	
$ 7 2-Fluorophenol	112	4.984	4.984	0.000	416852	4.72	
$ 8 Phenol-d5	99	6.133	6.133	0.000	565790	4.58	
$ 9 Nitrobenzene-d5	82	6.970	6.970	0.000	583865	5.17	
$ 10 2-Fluorobiphenyl	172	8.514	8.514	0.000	1032359	4.94	
$ 11 2,4,6-Tribromophenol	330	9.730	9.730	0.000	91336	4.55	
$ 12 Terphenyl-d14	244	11.625	11.625	0.000	760103	5.04	
14 1,4-Dioxane	88	1.954	1.954	0.000	157181	4.30	
16 Pyridine	79	2.354	2.354	0.000	390586	4.74	
15 N-Nitrosodimethylamine	42	2.363	2.363	0.000	407802	4.29	
17 Benzaldehyde	105	6.018	6.018	0.000	192147	4.39	
19 Aniline	93	6.138	6.138	0.000	715029	4.60	
18 Phenol	94	6.143	6.143	0.000	668368	4.64	
20 Bis(2-chloroethyl)ether	93	6.220	6.220	0.000	401484	4.35	
21 2-Chlorophenol	128	6.244	6.244	0.000	465499	4.32	
22 1,4-Dichlorobenzene	146	6.393	6.393	0.000	554582	4.15	
23 1,3-Dichlorobenzene	146	6.465	6.465	0.000	586331	4.15	
24 Benzyl alcohol	79	6.600	6.600	0.000	465200	4.50	
25 1,2-Dichlorobenzene	146	6.605	6.605	0.000	564916	4.29	
26 2-Methylphenol	108	6.715	6.715	0.000	419471	4.35	
27 2,2'-oxybis[1-chloropropane]	45	6.730	6.730	0.000	770699	4.12	
30 Acetophenone	105	6.840	6.840	0.000	657414	4.48	
29 N-Nitrosodi-n-propylamine	70	6.850	6.850	0.000	368910	4.41	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	6.859	6.859	0.000	455437	4.46	
31 Hexachloroethane	117	6.912	6.912	0.000	234745	4.21	
32 Nitrobenzene	77	6.989	6.989	0.000	560531	4.99	
33 Isophorone	82	7.206	7.206	0.000	925113	5.23	
34 2-Nitrophenol	139	7.273	7.273	0.000	227838	4.28	
35 2,4-Dimethylphenol	107	7.321	7.321	0.000	494513	5.13	
37 Bis(2-chloroethoxy)methane	93	7.398	7.398	0.000	482523	4.93	
36 Benzoic acid	105	7.393	7.403	-0.010	90690	3.73	
38 2,4-Dichlorophenol	162	7.480	7.480	0.000	381983	5.06	
39 1,2,4-Trichlorobenzene	180	7.552	7.552	0.000	433696	4.87	
41 Naphthalene	128	7.614	7.614	0.000	1393039	4.90	
40 Alpha-Terpineol	59	7.634	7.634	0.000	464487	5.06	
42 4-Chloroaniline	127	7.672	7.672	0.000	588598	5.28	
43 Hexachlorobutadiene	225	7.730	7.730	0.000	251736	4.89	
44 Caprolactam	55	7.961	7.961	0.000	205075	5.17	
45 4-Chloro-3-methylphenol	107	8.086	8.086	0.000	430717	5.15	
46 2-Methylnaphthalene	142	8.206	8.206	0.000	958234	4.85	
47 1-Methylnaphthalene	142	8.288	8.288	0.000	937339	4.94	
48 Hexachlorocyclopentadiene	237	8.341	8.341	0.000	164032	4.96	
49 1,2,4,5-Tetrachlorobenzene	216	8.350	8.350	0.000	373203	5.02	
50 2,4,6-Trichlorophenol	196	8.446	8.446	0.000	245726	4.40	
51 2,4,5-Trichlorophenol	196	8.480	8.480	0.000	257847	4.42	
52 1,1'-Biphenyl	154	8.600	8.600	0.000	1101065	4.94	
53 2-Chloronaphthalene	162	8.615	8.615	0.000	1069378	5.02	
54 Phenyl ether	170	8.687	8.687	0.000	570252	4.83	
68 4-Nitroaniline	138	8.701	8.701	0.000	296656	4.57	
56 Dimethyl phthalate	163	8.855	8.855	0.000	991976	4.92	
57 2,6-Dinitrotoluene	165	8.903	8.903	0.000	219928	5.22	
58 Acenaphthylene	152	8.961	8.961	0.000	1429760	5.09	
59 3-Nitroaniline	138	9.043	9.043	0.000	225429	5.22	
61 Acenaphthene	153	9.105	9.105	0.000	927386	4.99	
60 2,4-Dinitrophenol	184	9.129	9.129	0.000	26042	3.62	
62 4-Nitrophenol	109	9.182	9.182	0.000	164206	4.16	
63 2,4-Dinitrotoluene	165	9.240	9.240	0.000	295850	4.54	
64 Dibenzofuran	168	9.249	9.249	0.000	1216786	4.94	
65 2,3,4,6-Tetrachlorophenol	232	9.350	9.350	0.000	174225	4.33	
66 Diethyl phthalate	149	9.437	9.437	0.000	1071609	4.89	
67 4-Chlorophenyl phenyl ether	204	9.528	9.528	0.000	496563	4.74	
69 Fluorene	166	9.533	9.533	0.000	1140404	4.36	
55 2-Nitroaniline	65	9.548	9.548	0.000	250003	4.50	
70 4,6-Dinitro-2-methylphenol	198	9.576	9.576	0.000	48598	3.66	
72 N-Nitrosodiphenylamine	169	9.629	9.629	0.000	842174	4.99	
71 Diphenylamine	169	9.629	9.629	0.000	842174	4.99	
74 Azobenzene	77	9.663	9.663	0.000	1912912	5.19	
73 1,2-Diphenylhydrazine	77	9.663	9.663	0.000	1912912	5.19	
13 Benzophenone	105	9.673	9.673	0.000	1001538	5.21	
75 4-Bromophenyl phenyl ether	248	9.932	9.932	0.000	230606	5.08	
76 Hexachlorobenzene	284	9.990	9.990	0.000	214333	5.03	
77 Atrazine	200	10.072	10.072	0.000	213425	5.21	
78 Pentachlorophenol	266	10.153	10.156	-0.003	86179	4.70	
79 Pentachloronitrobenzene	237	10.163	10.163	0.000	130680	4.38	
80 Phenanthrene	178	10.327	10.327	0.000	1317827	4.96	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	10.370	10.370	0.000	1290857	5.11	
83 Carbazole	167	10.500	10.500	0.000	1096667	5.03	
84 Di-n-butyl phthalate	149	10.788	10.788	0.000	1712782	5.13	
87 Fluoranthene	202	11.312	11.312	0.000	1228902	5.02	
86 Benzidine	184	11.418	11.430	-0.012	193722	4.54	
85 Pyrene	202	11.500	11.500	0.000	1283275	5.16	
89 Butyl benzyl phthalate	149	12.034	12.034	0.000	702548	5.52	
91 3,3'-Dichlorobenzidine	252	12.572	12.572	0.000	237121	5.16	
93 Benzo[a]anthracene	228	12.601	12.601	0.000	852255	4.93	
92 Bis(2-ethylhexyl) phthalate	149	12.630	12.630	0.000	1013743	5.44	
94 Chrysene	228	12.640	12.640	0.000	848034	4.91	
95 Di-n-octyl phthalate	149	13.577	13.577	0.000	1270014	4.93	
97 Benzo[b]fluoranthene	252	14.217	14.217	0.000	675468	5.32	
98 Benzo[k]fluoranthene	252	14.270	14.270	0.000	592586	5.13	
99 Benzo[a]pyrene	252	14.885	14.880	0.005	483317	4.65	
100 Indeno[1,2,3-cd]pyrene	276	16.443	16.443	0.000	282636	3.81	
101 Dibenz(a,h)anthracene	278	16.477	16.477	0.000	251849	3.97	
102 Benzo[g,h,i]perylene	276	16.780	16.780	0.000	275799	4.80	

Report Date: 29-Oct-2009 16:07:52 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10732.D

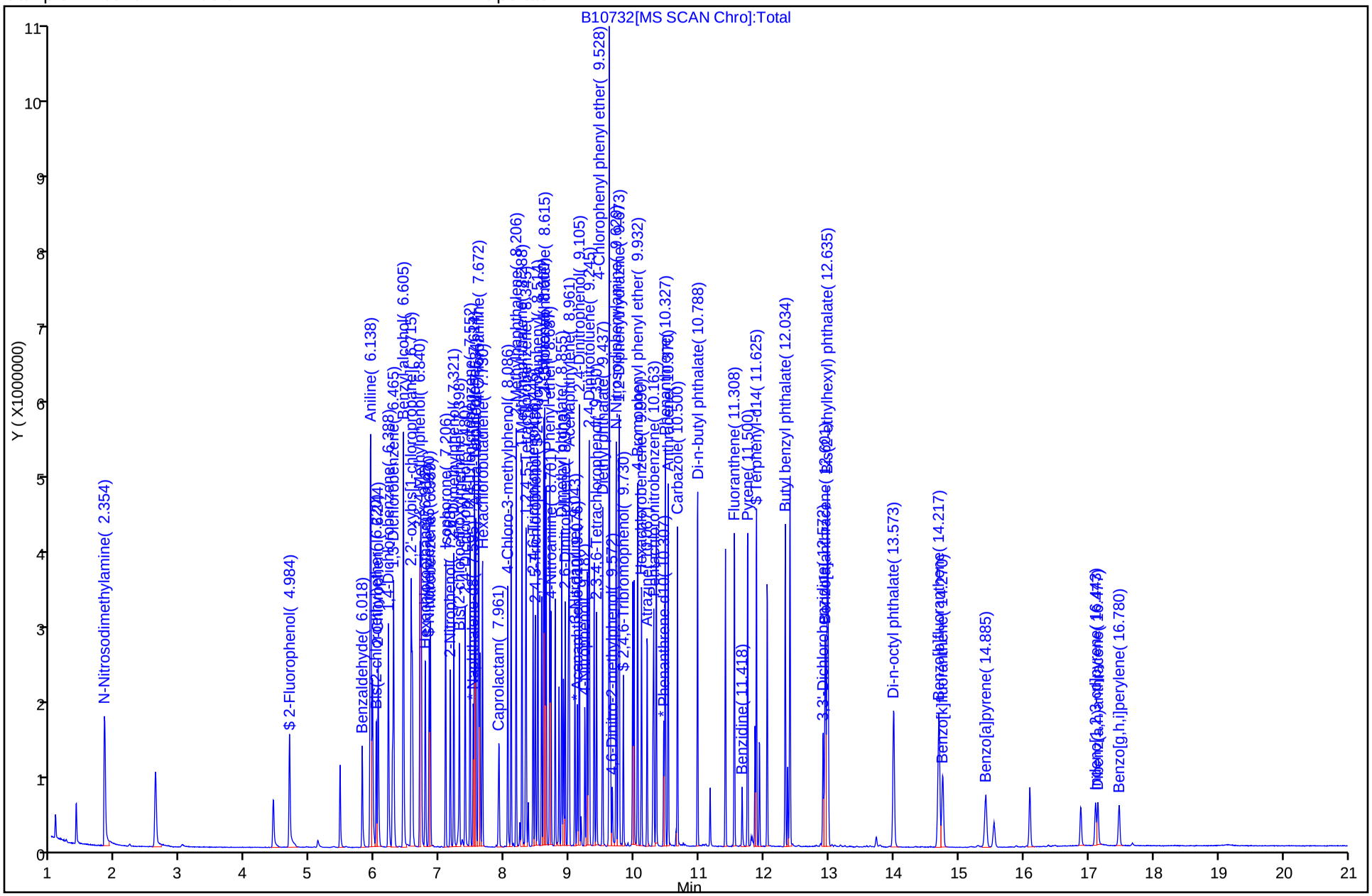
Inj Date: 05-Oct-2009 15:45:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49953 Lims Sample ID: 2

Client ID: Instrument: Inst. B

Sample Info: 5.0 ug/ml

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10733.D		
Lims ID:	std01	Client ID:	
Inject. Date:	05-Oct-2009 16:12:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	0.1 ug/ml		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49953	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 13:47:32	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		

Reviewed By:	sullivanp	Date:	07-Oct-2009 12:06:52
Reviewed By:	weigelb	Date:	29-Oct-2009 16:08:03

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.446	6.450	-0.004	210055	2.00	
* 2 Naphthalene-d8	136	7.595	7.594	0.001	491928	2.00	
* 3 Acenaphthene-d10	164	9.076	9.076	0.000	231183	2.00	
* 4 Phenanthrene-d10	188	10.302	10.307	-0.005	372165	2.00	
* 5 Chrysene-d12	240	12.606	12.610	-0.004	238173	2.00	
* 6 Perylene-d12	264	15.001	15.000	0.001	144994	2.00	
$ 7 2-Fluorophenol	112	4.989	4.983	0.006	5586	0.0927	
$ 8 Phenol-d5	99	6.128	6.128	0.000	7685	0.0913	
$ 9 Nitrobenzene-d5	82	6.970	6.969	0.001	9069	0.0949	
$ 10 2-Fluorobiphenyl	172	8.513	8.513	0.000	18785	0.1066	
$ 11 2,4,6-Tribromophenol	330	9.730	9.730	0.000	888	0.3615	
$ 12 Terphenyl-d14	244	11.625	11.624	0.001	12587	0.1221	
14 1,4-Dioxane	88	1.954	1.949	0.005	2796	0.1121	
15 N-Nitrosodimethylamine	42	2.363	2.358	0.005	6014	0.0927	
17 Benzaldehyde	105	6.022	6.017	0.005	2744	0.0918	
19 Aniline	93	6.133	6.133	0.000	10057	0.0948	
18 Phenol	94	6.138	6.142	-0.004	7688	0.0782	
20 Bis(2-chloroethyl)ether	93	6.215	6.214	0.001	6864	0.1091	
21 2-Chlorophenol	128	6.244	6.243	0.001	7427	0.1011	
22 1,4-Dichlorobenzene	146	6.393	6.387	0.006	10191	0.1118	
23 1,3-Dichlorobenzene	146	6.460	6.464	-0.004	10955	0.1136	
24 Benzyl alcohol	79	6.595	6.599	-0.004	4268	0.1338	
25 1,2-Dichlorobenzene	146	6.604	6.604	0.000	10238	0.1139	
26 2-Methylphenol	108	6.710	6.710	0.000	6045	0.0920	
27 2,2'-oxybis[1-chloropropane]	45	6.729	6.729	0.000	15144	0.1187	
30 Acetophenone	105	6.835	6.835	0.000	9917	0.0991	
29 N-Nitrosodi-n-propylamine	70	6.845	6.844	0.001	5535	0.0970	
28 3 & 4 Methylphenol	108	6.854	6.854	0.000	6368	0.0914	
31 Hexachloroethane	117	6.912	6.912	0.000	4040	0.1063	
32 Nitrobenzene	77	6.984	6.984	0.000	9602	0.1009	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
33 Isophorone	82	7.201	7.200	0.001	13134	0.0877	
34 2-Nitrophenol	139	7.268	7.267	0.001	2575	0.1480	
35 2,4-Dimethylphenol	107	7.321	7.320	0.001	7880	0.0966	
37 Bis(2-chloroethoxy)methane	93	7.398	7.397	0.001	8473	0.1022	
38 2,4-Dichlorophenol	162	7.484	7.479	0.005	5653	0.0885	
39 1,2,4-Trichlorobenzene	180	7.552	7.551	0.001	7632	0.1011	
41 Naphthalene	128	7.614	7.614	0.000	26847	0.1116	
40 Alpha-Terpineol	59	7.629	7.628	0.001	7476	0.0962	
42 4-Chloroaniline	127	7.667	7.667	0.000	8455	0.0895	
43 Hexachlorobutadiene	225	7.730	7.729	0.001	4731	0.1086	
44 Caprolactam	55	7.932	7.950	-0.018	2962	0.0881	
45 4-Chloro-3-methylphenol	107	8.081	8.085	-0.004	6174	0.0871	
46 2-Methylnaphthalene	142	8.206	8.205	0.001	17632	0.1055	
47 1-Methylnaphthalene	142	8.287	8.287	0.000	16344	0.1017	
48 Hexachlorocyclopentadiene	237	8.340	8.340	0.000	1366	0.2403	
49 1,2,4,5-Tetrachlorobenzene	216	8.345	8.349	-0.004	6101	0.0969	
50 2,4,6-Trichlorophenol	196	8.446	8.446	0.000	2963	0.5432	
51 2,4,5-Trichlorophenol	196	8.470	8.474	-0.004	3064	0.5683	
52 1,1'-Biphenyl	154	8.595	8.595	0.000	20333	0.1082	
53 2-Chloronaphthalene	162	8.610	8.614	-0.004	19170	0.1113	
54 Phenyl ether	170	8.682	8.686	-0.004	9287	0.0929	
68 4-Nitroaniline	138	8.701	8.700	0.001	3348	0.1440	
56 Dimethyl phthalate	163	8.850	8.849	0.001	18210	0.1072	
57 2,6-Dinitrotoluene	165	8.898	8.902	-0.004	2928	0.0825	
58 Acenaphthylene	152	8.956	8.955	0.001	23153	0.0977	
59 3-Nitroaniline	138	9.038	9.042	-0.004	2940	0.0807	
61 Acenaphthene	153	9.100	9.104	-0.004	15747	0.1004	
63 2,4-Dinitrotoluene	165	9.235	9.234	0.001	3165	0.1423	
64 Dibenzofuran	168	9.244	9.244	0.000	20977	0.1009	
65 2,3,4,6-Tetrachlorophenol	232	9.350	9.350	0.000	1748	0.3456	
66 Diethyl phthalate	149	9.432	9.431	0.001	18772	0.1016	
67 4-Chlorophenyl phenyl ether	204	9.528	9.528	0.000	7941	0.2496	
69 Fluorene	166	9.528	9.528	0.000	16304	0.1626	
55 2-Nitroaniline	65	9.543	9.542	0.001	4194	0.0895	
72 N-Nitrosodiphenylamine	169	9.624	9.624	0.000	14471	0.1023	
71 Diphenylamine	169	9.624	9.624	0.000	14471	0.1023	
74 Azobenzene	77	9.658	9.663	-0.005	28910	0.0935	
73 1,2-Diphenylhydrazine	77	9.658	9.663	-0.005	28910	0.0935	
13 Benzophenone	105	9.668	9.667	0.001	15475	0.0959	
75 4-Bromophenyl phenyl ether	248	9.932	9.931	0.001	4690	0.1230	
76 Hexachlorobenzene	284	9.985	9.989	-0.004	3824	0.1070	
77 Atrazine	200	10.067	10.066	0.001	3203	0.0931	
79 Pentachloronitrobenzene	237	10.158	10.162	-0.004	1295	0.6443	
80 Phenanthrene	178	10.322	10.326	-0.004	23598	0.1059	
81 Anthracene	178	10.365	10.364	0.001	20848	0.0984	
83 Carbazole	167	10.499	10.499	0.000	18197	0.0994	
84 Di-n-butyl phthalate	149	10.783	10.783	0.000	30737	0.1097	
87 Fluoranthene	202	11.307	11.307	0.000	20131	0.0979	
86 Benzidine	184	11.418	11.430	-0.012	1994	0.1172	
85 Pyrene	202	11.495	11.494	0.001	21030	0.1236	
89 Butyl benzyl phthalate	149	12.033	12.033	0.000	8291	0.0952	
91 3,3'-Dichlorobenzidine	252	12.572	12.567	0.005	2687	0.0854	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
93 Benzo[a]anthracene	228	12.596	12.596	0.000	12798	0.1082	
92 Bis(2-ethylhexyl) phthalate	149	12.630	12.629	0.001	12857	0.1008	
94 Chrysene	228	12.635	12.639	-0.004	13746	0.1164	
95 Di-n-octyl phthalate	149	13.572	13.572	0.000	10047	0.5991	
97 Benzo[b]fluoranthene	252	14.212	14.211	0.001	9471	0.0964	
98 Benzo[k]fluoranthene	252	14.260	14.264	-0.004	9631	0.1077	
99 Benzo[a]pyrene	252	14.880	14.880	0.000	4240	0.1508	
100 Indeno[1,2,3-cd]pyrene	276	16.434	16.443	-0.009	3727	0.5236	
101 Dibenz(a,h)anthracene	278	16.472	16.476	-0.004	3155	0.5573	
102 Benzo[g,h,i]perylene	276	16.780	16.779	0.001	4515	0.1016	

Report Date: 29-Oct-2009 16:08:04 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10733.D

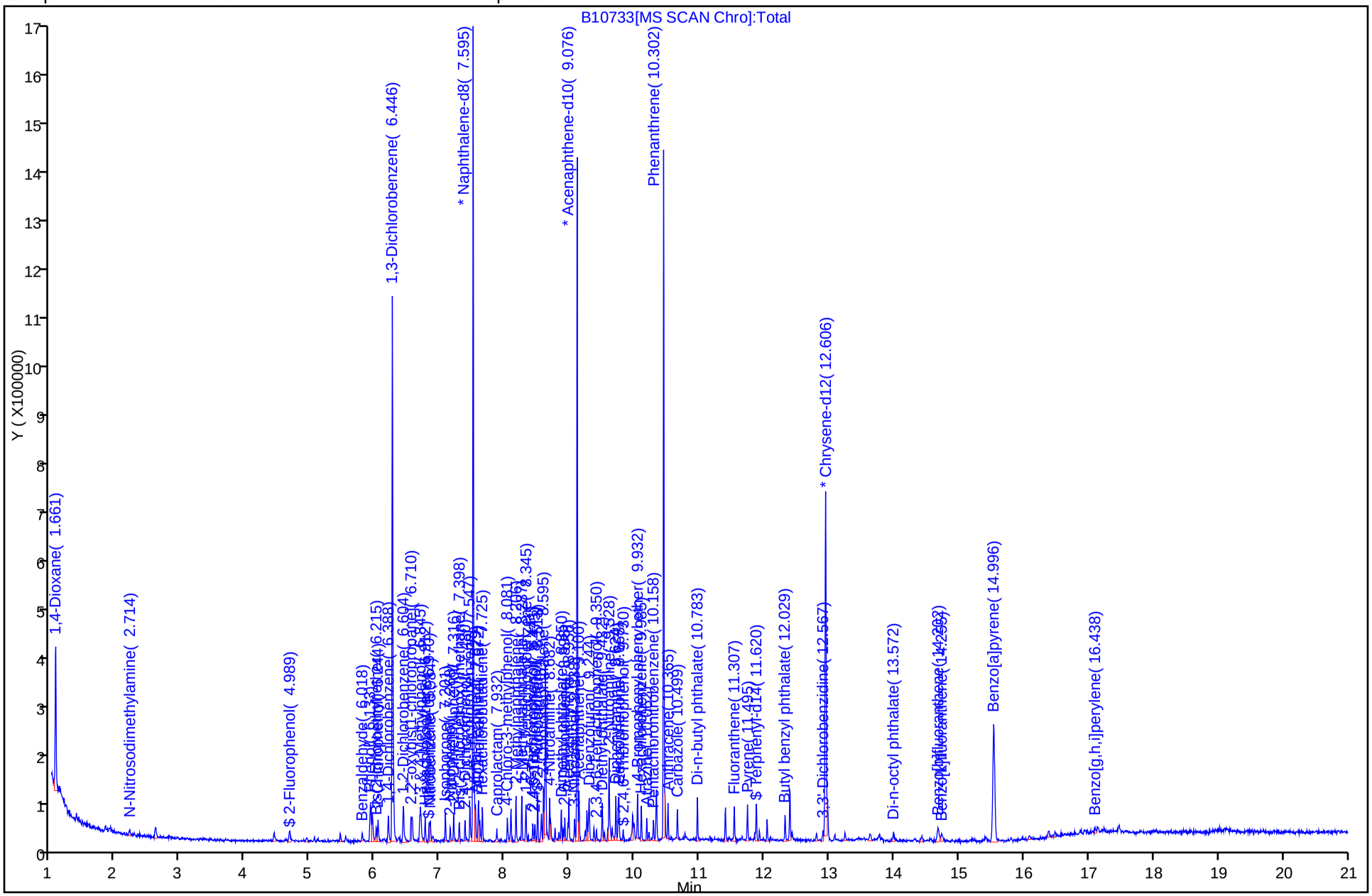
Inj Date: 05-Oct-2009 16:12:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49953 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: 0.1 ug/ml

Sample Amount: 1.00 ul Operator: MZ

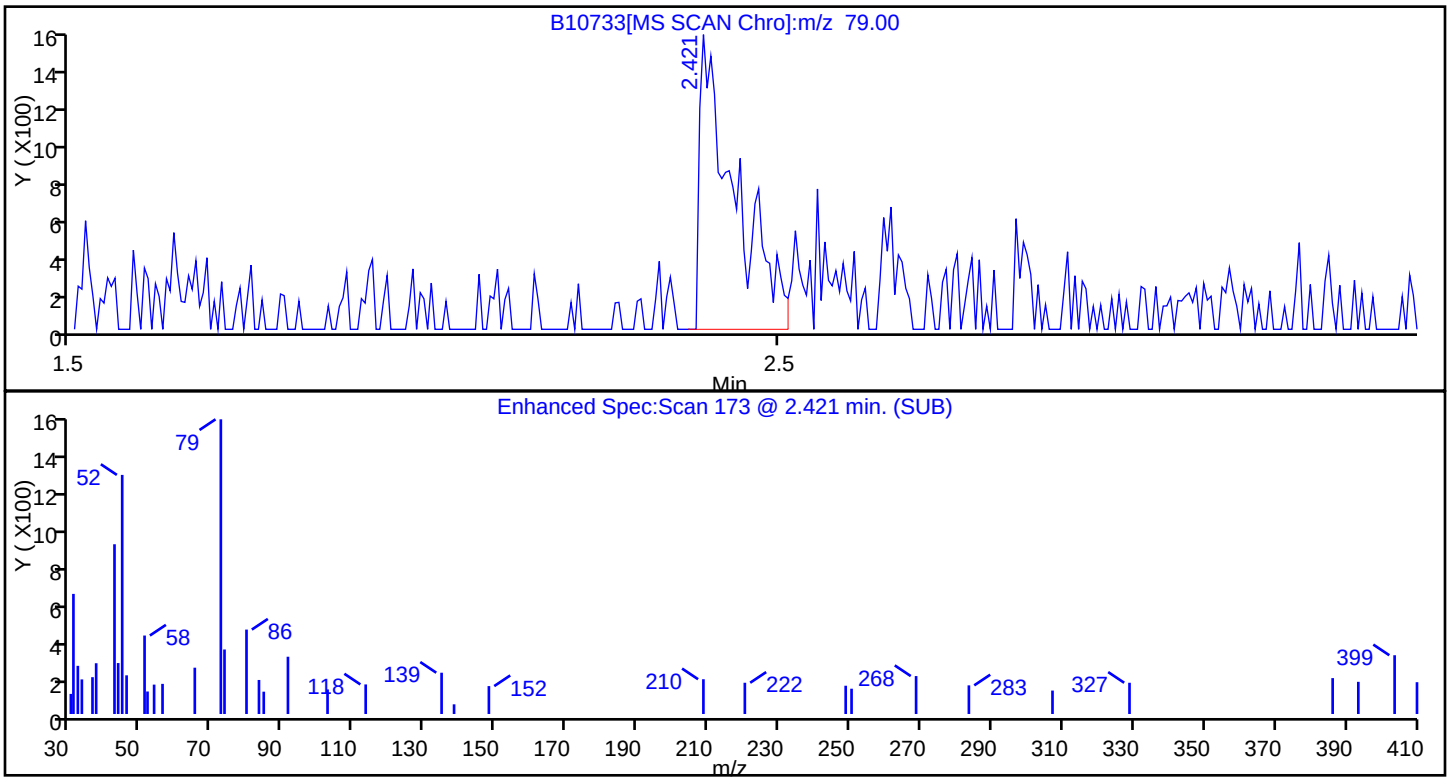


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10733.D		
Inj Date:	05-Oct-2009 16:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

16 Pyridine

Processing Results



RT	Mass	Response	Amount
2.42	79.00	5001	0.096839
2.44	52.00	3419	
2.43	51.00	2721	

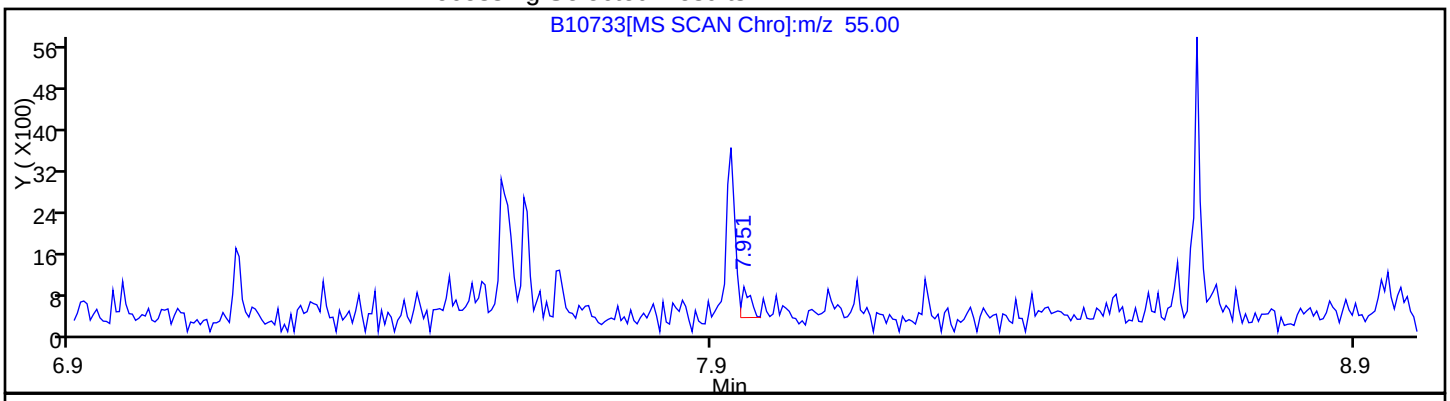
Reviewer: sullivanp, 07-Oct-2009 12:06:52
Audit Action: Marked Compound Undetected
Audit Reason:

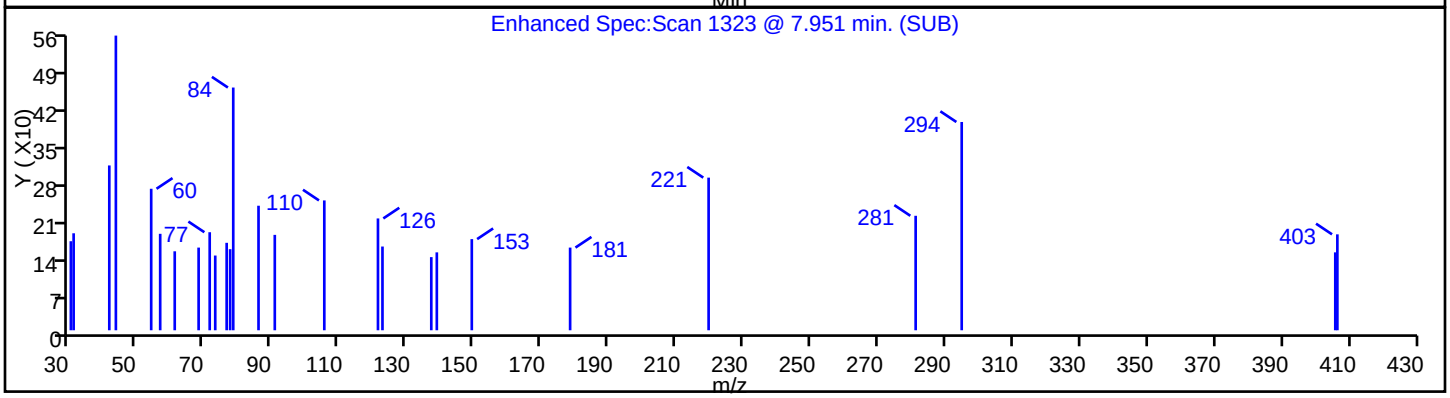
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10733.D		
Inj Date:	05-Oct-2009 16:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

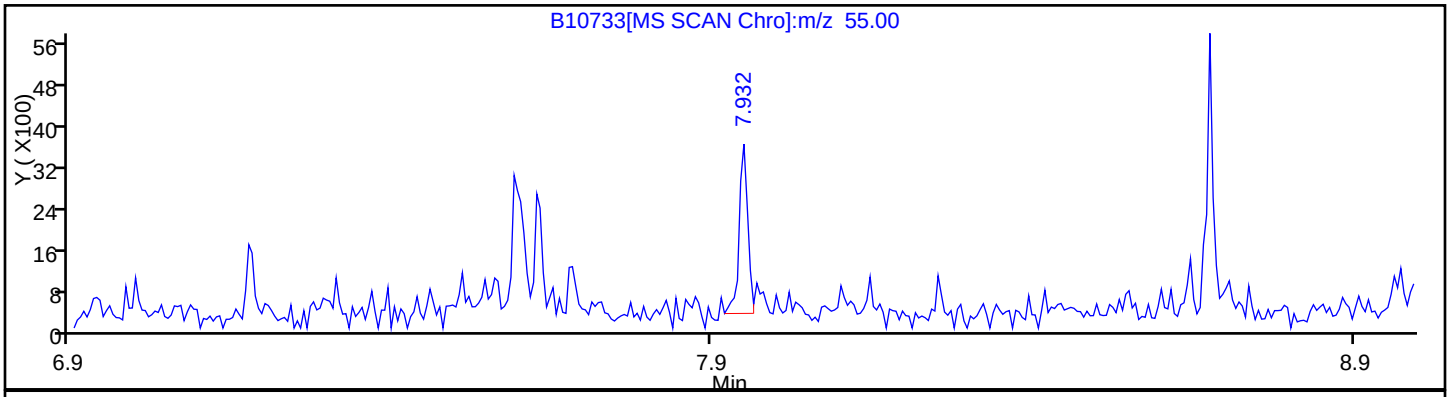
44 Caprolactam

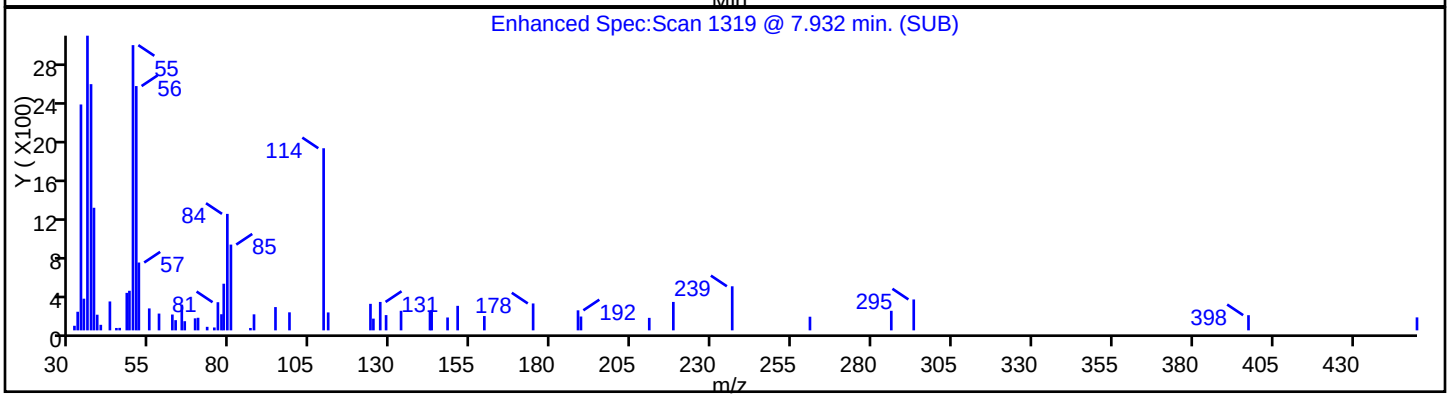
Processing Selected Results





Manual Selected Results





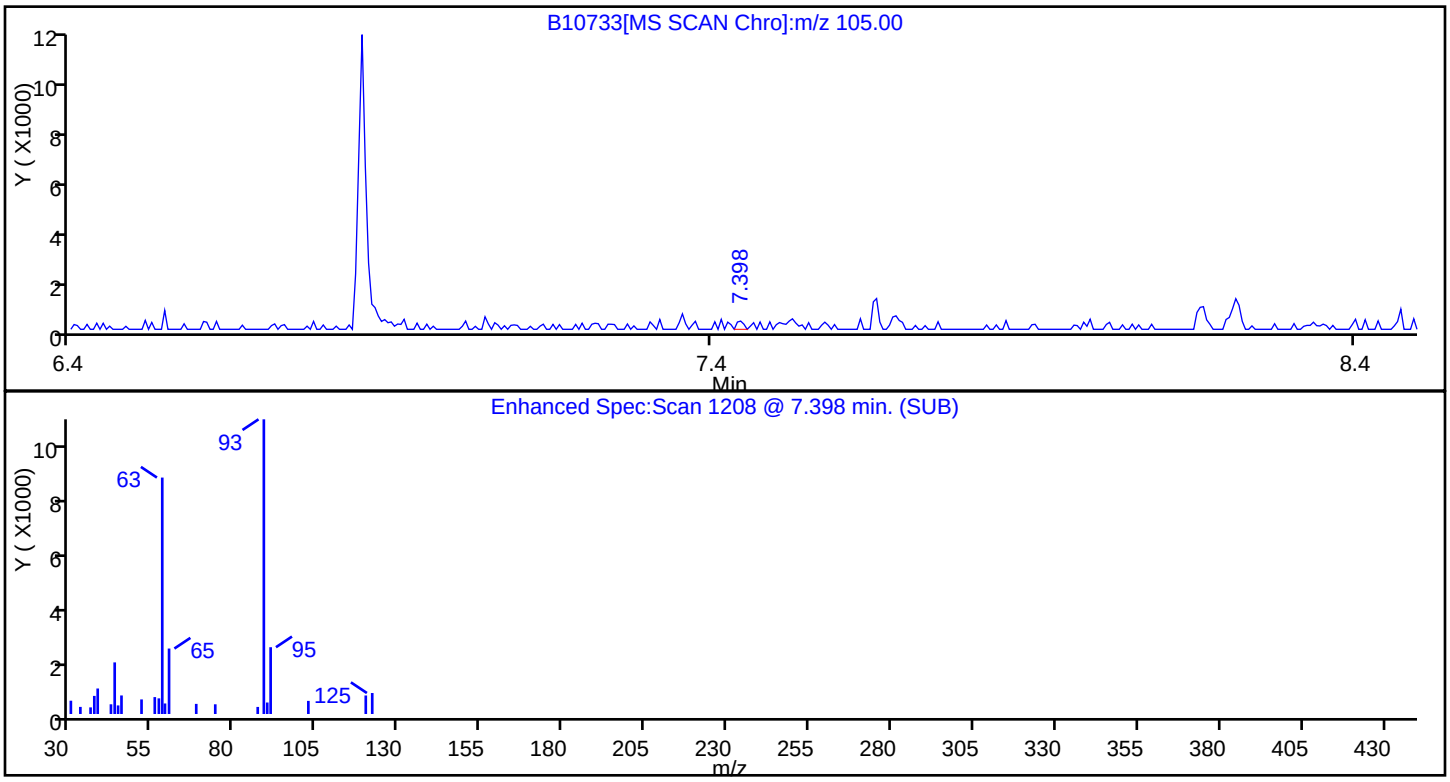
Reviewer: sullivanp, 07-Oct-2009 12:06:52
Audit Action: Selected Alternate Hit
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10733.D		
Inj Date:	05-Oct-2009 16:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
7.40	105.00	240	0.100000
7.41	122.00	80	
7.39	77.00	170	

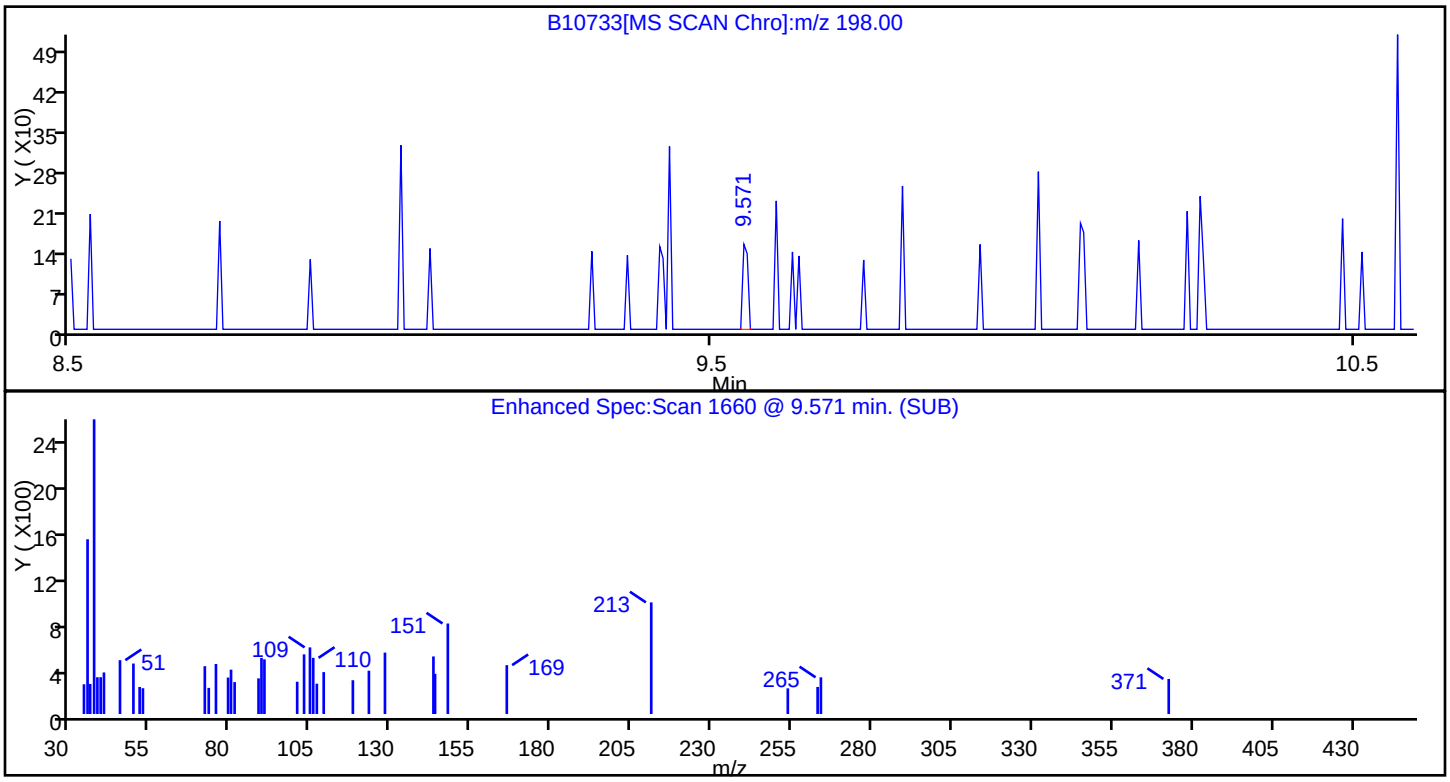
Reviewer: sullivanp, 07-Oct-2009 12:06:52
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10733.D		
Inj Date:	05-Oct-2009 16:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
9.57	198.00	81	0.100000
9.58	121.00	211	
9.58	105.00	286	

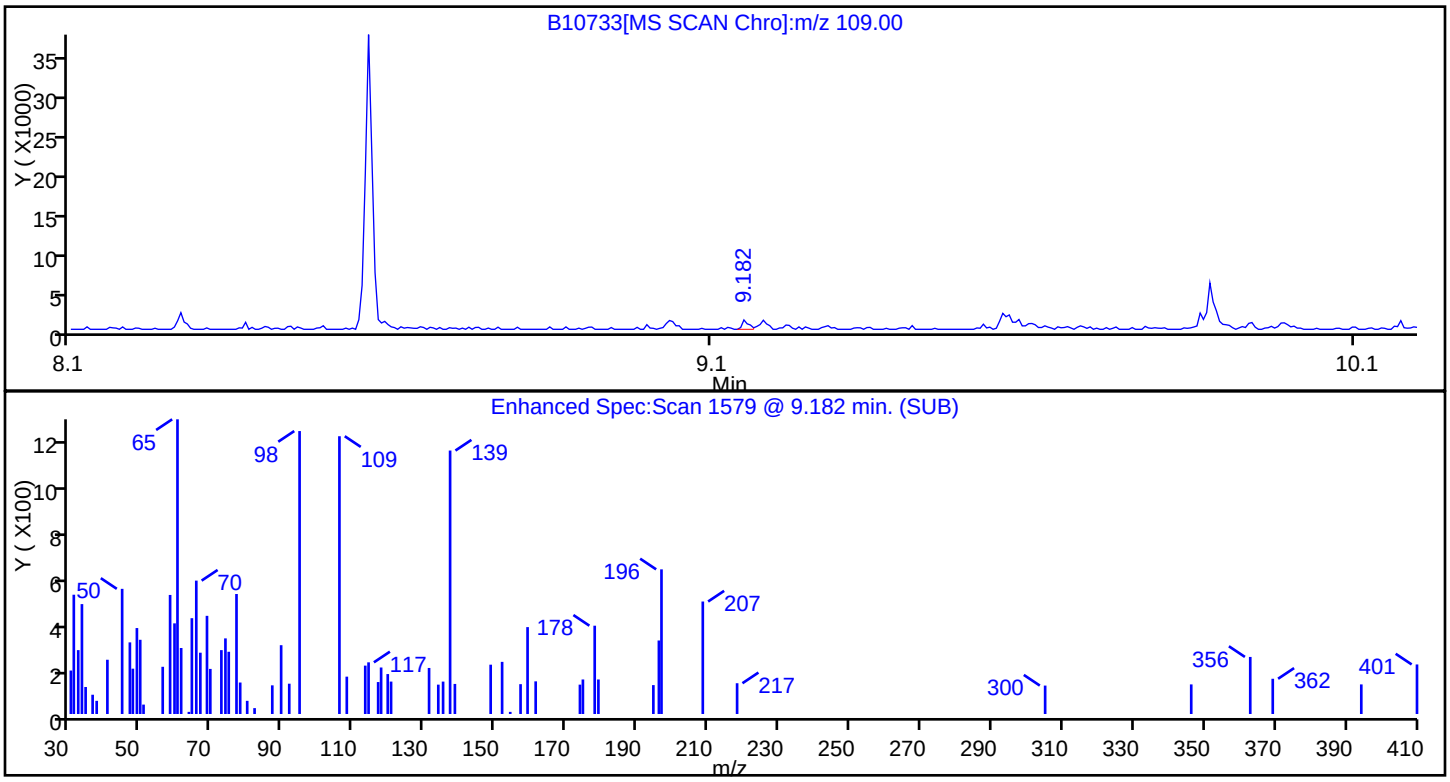
Reviewer: sullivanp, 07-Oct-2009 12:06:52
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10733.D		
Inj Date:	05-Oct-2009 16:12:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	0.1 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
9.18	109.00	817	0.100000
9.18	139.00	665	
9.19	64.00	411	

Reviewer: sullivanp, 07-Oct-2009 12:06:52
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10734.D		
Lims ID:	std025	Client ID:	
Inject. Date:	05-Oct-2009 16:40:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	0.25 ug/ml		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49953	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 13:47:32	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		
Reviewed By:	sullivanp	Date:	07-Oct-2009 12:06:59
Reviewed By:	weigelb	Date:	29-Oct-2009 16:08:15

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.445	6.450	-0.005	220952	2.00	
* 2 Naphthalene-d8	136	7.594	7.594	0.000	534429	2.00	
* 3 Acenaphthene-d10	164	9.075	9.076	-0.001	253185	2.00	
* 4 Phenanthrene-d10	188	10.301	10.307	-0.006	417475	2.00	
* 5 Chrysene-d12	240	12.610	12.610	0.000	265220	2.00	
* 6 Perylene-d12	264	14.995	15.000	-0.005	152671	2.00	
$ 7 2-Fluorophenol	112	4.988	4.983	0.005	15976	0.2519	
$ 8 Phenol-d5	99	6.123	6.128	-0.005	20547	0.2320	
$ 9 Nitrobenzene-d5	82	6.969	6.969	0.000	24513	0.2360	
$ 10 2-Fluorobiphenyl	172	8.513	8.513	0.000	44295	0.2295	
$ 11 2,4,6-Tribromophenol	330	9.724	9.730	-0.006	2905	0.4556	
$ 12 Terphenyl-d14	244	11.619	11.624	-0.005	31303	0.2726	
14 1,4-Dioxane	88	1.953	1.949	0.004	7844	0.2990	
16 Pyridine	79	2.381	2.353	0.028	14402	0.2055	
15 N-Nitrosodimethylamine	42	2.362	2.358	0.004	16627	0.2438	
17 Benzaldehyde	105	6.017	6.017	0.000	7461	0.2374	
19 Aniline	93	6.132	6.133	-0.001	25715	0.2304	
18 Phenol	94	6.137	6.142	-0.005	27475	0.2658	
20 Bis(2-chloroethyl)ether	93	6.214	6.214	0.000	14856	0.2246	
21 2-Chlorophenol	128	6.243	6.243	0.000	21040	0.2722	
22 1,4-Dichlorobenzene	146	6.387	6.387	0.000	26270	0.2739	
23 1,3-Dichlorobenzene	146	6.464	6.464	0.000	27626	0.2724	
24 Benzyl alcohol	79	6.599	6.599	0.000	14115	0.2946	
25 1,2-Dichlorobenzene	146	6.603	6.604	-0.001	24463	0.2587	
26 2-Methylphenol	108	6.709	6.710	-0.001	18513	0.2678	
27 2,2'-oxybis[1-chloropropane]	45	6.728	6.729	-0.001	36525	0.2722	
30 Acetophenone	105	6.834	6.835	-0.001	25254	0.2400	
29 N-Nitrosodi-n-propylamine	70	6.844	6.844	0.000	14664	0.2442	
28 3 & 4 Methylphenol	108	6.854	6.854	0.000	18544	0.2532	
31 Hexachloroethane	117	6.911	6.912	-0.001	10403	0.2603	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	6.983	6.984	-0.001	25005	0.2419	
33 Isophorone	82	7.200	7.200	0.000	36960	0.2273	
34 2-Nitrophenol	139	7.272	7.267	0.005	9091	0.2737	
35 2,4-Dimethylphenol	107	7.315	7.320	-0.005	19715	0.2224	
37 Bis(2-chloroethoxy)methane	93	7.397	7.397	0.000	20913	0.2321	
38 2,4-Dichlorophenol	162	7.479	7.479	0.000	15933	0.2295	
39 1,2,4-Trichlorobenzene	180	7.551	7.551	0.000	19833	0.2419	
41 Naphthalene	128	7.613	7.614	-0.001	63996	0.2448	
40 Alpha-Terpineol	59	7.628	7.628	0.000	18976	0.2247	
42 4-Chloroaniline	127	7.666	7.667	-0.001	22517	0.2194	
43 Hexachlorobutadiene	225	7.724	7.729	-0.005	11189	0.2364	
44 Caprolactam	55	7.931	7.950	-0.019	7540	0.2065	
45 4-Chloro-3-methylphenol	107	8.080	8.085	-0.005	16458	0.2138	
46 2-Methylnaphthalene	142	8.205	8.205	0.000	44024	0.2424	
47 1-Methylnaphthalene	142	8.287	8.287	0.000	41616	0.2383	
48 Hexachlorocyclopentadiene	237	8.339	8.340	-0.001	3953	0.3307	
49 1,2,4,5-Tetrachlorobenzene	216	8.344	8.349	-0.005	16714	0.2444	
50 2,4,6-Trichlorophenol	196	8.445	8.446	-0.001	10232	0.6637	
51 2,4,5-Trichlorophenol	196	8.474	8.474	0.000	10056	0.6781	
52 1,1'-Biphenyl	154	8.594	8.595	-0.001	48912	0.2377	
53 2-Chloronaphthalene	162	8.614	8.614	0.000	50477	0.2822	
54 Phenyl ether	170	8.681	8.686	-0.005	26375	0.2428	
68 4-Nitroaniline	138	8.700	8.700	0.000	10742	0.2599	
56 Dimethyl phthalate	163	8.849	8.849	0.000	45031	0.2420	
57 2,6-Dinitrotoluene	165	8.897	8.902	-0.005	8375	0.2154	
58 Acenaphthylene	152	8.955	8.955	0.000	59273	0.2285	
59 3-Nitroaniline	138	9.037	9.042	-0.005	8438	0.2115	
61 Acenaphthene	153	9.099	9.104	-0.005	38500	0.2241	
62 4-Nitrophenol	109	9.181	9.181	0.000	3541	0.3598	
63 2,4-Dinitrotoluene	165	9.234	9.234	0.000	10380	0.2550	
64 Dibenzofuran	168	9.243	9.244	-0.001	52180	0.2292	
65 2,3,4,6-Tetrachlorophenol	232	9.349	9.350	-0.001	5879	0.4451	
66 Diethyl phthalate	149	9.431	9.431	0.000	47945	0.2370	
67 4-Chlorophenyl phenyl ether	204	9.527	9.528	-0.001	18328	0.3588	
69 Fluorene	166	9.527	9.528	-0.001	42046	0.2606	
55 2-Nitroaniline	65	9.542	9.542	0.000	12615	0.2457	
72 N-Nitrosodiphenylamine	169	9.623	9.624	-0.001	37195	0.2344	
71 Diphenylamine	169	9.623	9.624	-0.001	37195	0.2344	
74 Azobenzene	77	9.657	9.663	-0.006	78838	0.2273	
73 1,2-Diphenylhydrazine	77	9.657	9.663	-0.006	78838	0.2273	
13 Benzophenone	105	9.667	9.667	0.000	39700	0.2194	
75 4-Bromophenyl phenyl ether	248	9.931	9.931	0.000	9591	0.2243	
76 Hexachlorobenzene	284	9.989	9.989	0.000	9912	0.2473	
77 Atrazine	200	10.061	10.066	-0.005	8312	0.2154	
79 Pentachloronitrobenzene	237	10.157	10.162	-0.005	4917	0.7507	
80 Phenanthrene	178	10.321	10.326	-0.005	58572	0.2343	
81 Anthracene	178	10.364	10.364	0.000	52455	0.2207	
83 Carbazole	167	10.499	10.499	0.000	45537	0.2218	
84 Di-n-butyl phthalate	149	10.782	10.783	-0.001	74437	0.2368	
87 Fluoranthene	202	11.306	11.307	-0.001	48697	0.2112	
86 Benzidine	184	11.417	11.430	-0.013	6791	0.2525	
85 Pyrene	202	11.494	11.494	0.000	52309	0.2760	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
89 Butyl benzyl phthalate	149	12.033	12.033	0.000	24238	0.2498	
91 3,3'-Dichlorobenzidine	252	12.566	12.567	-0.001	7705	0.2199	
93 Benzo[a]anthracene	228	12.595	12.596	-0.001	33443	0.2539	
92 Bis(2-ethylhexyl) phthalate	149	12.629	12.629	0.000	32973	0.2322	
94 Chrysene	228	12.634	12.639	-0.005	34427	0.2618	
95 Di-n-octyl phthalate	149	13.567	13.572	-0.005	28096	0.6732	
97 Benzo[b]fluoranthene	252	14.206	14.211	-0.005	24630	0.2381	
98 Benzo[k]fluoranthene	252	14.254	14.264	-0.010	21788	0.2315	
99 Benzo[a]pyrene	252	14.875	14.880	-0.005	13396	0.2540	
100 Indeno[1,2,3-cd]pyrene	276	16.442	16.443	-0.001	9913	0.6106	M
101 Dibenz(a,h)anthracene	278	16.476	16.476	0.000	7052	0.6204	
102 Benzo[g,h,i]perylene	276	16.774	16.779	-0.005	8786	0.1879	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 29-Oct-2009 16:08:15 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10734.D

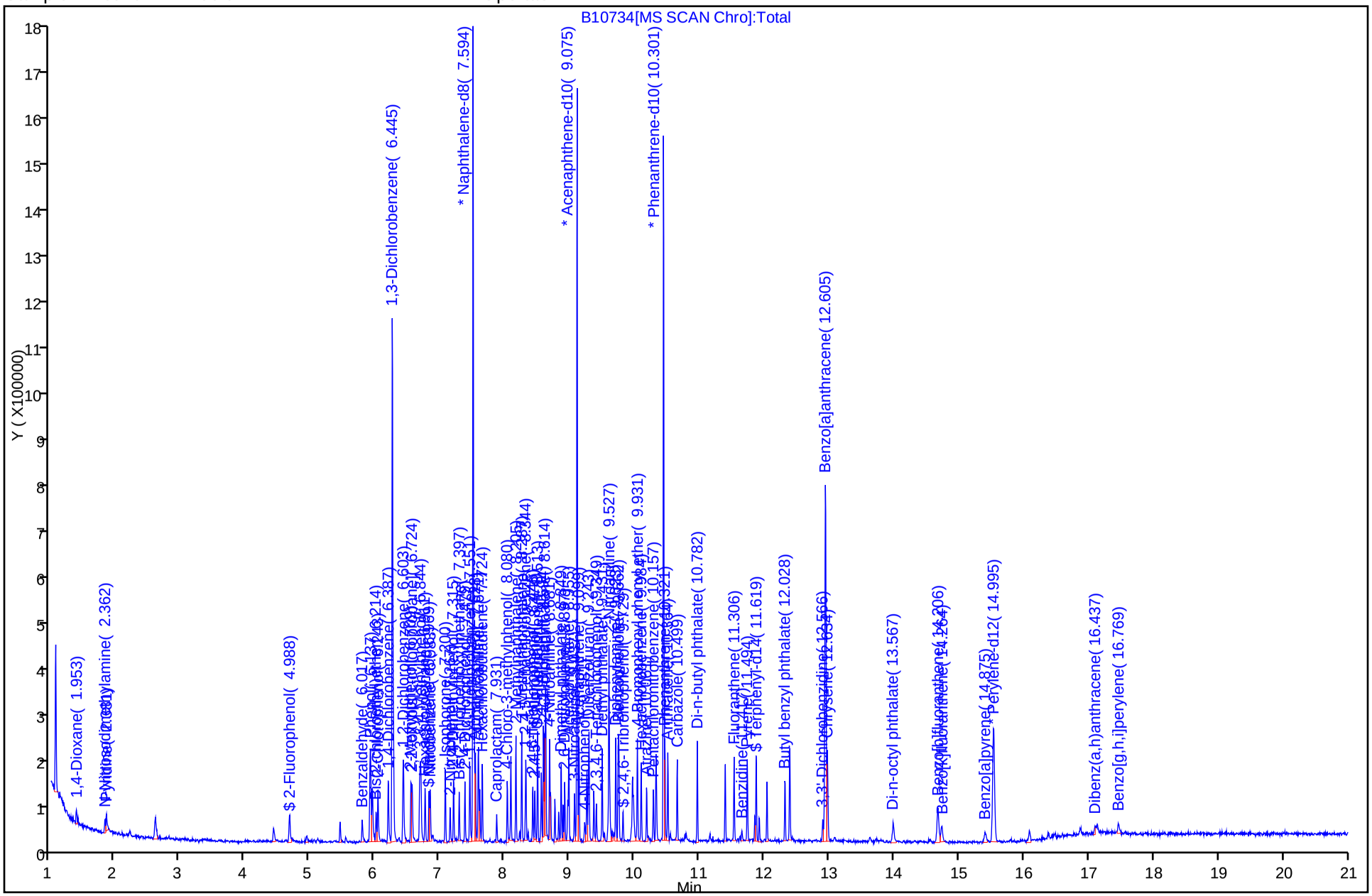
Inj Date: 05-Oct-2009 16:40:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49953 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: 0.25 ug/ml

Sample Amount: 1.00 ul Operator: MZ



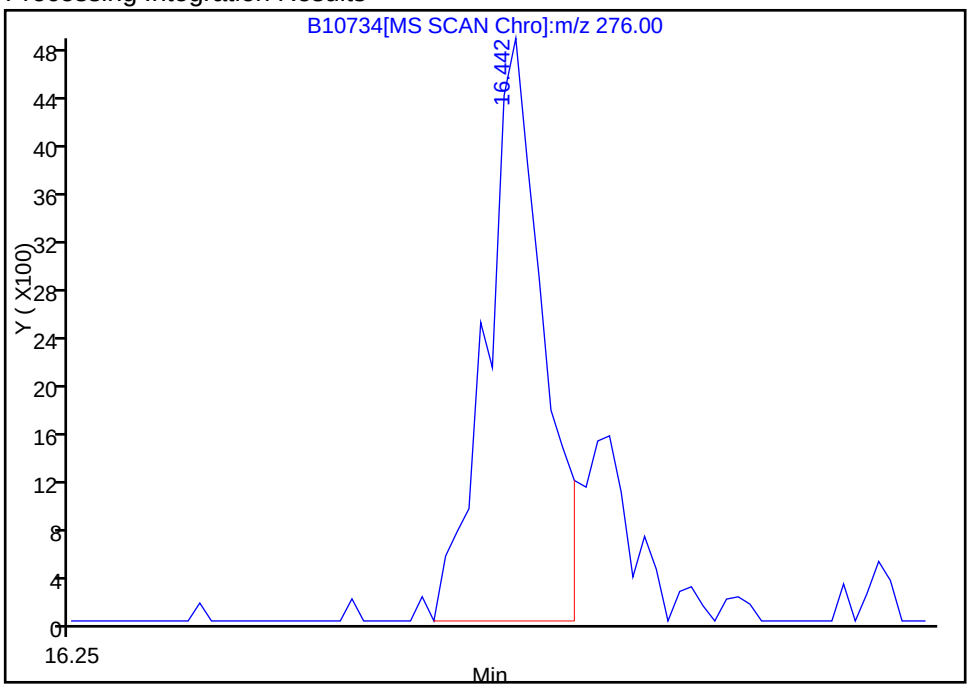
Chrom Revision: 1.1 26-Oct-2009 10:54:26
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10734.D		
Inj Date:	05-Oct-2009 16:40:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	0.25 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

100 Indeno[1,2,3-cd]pyrene, Number: 1, m/z: 276 Type: quant, RT: 16.44

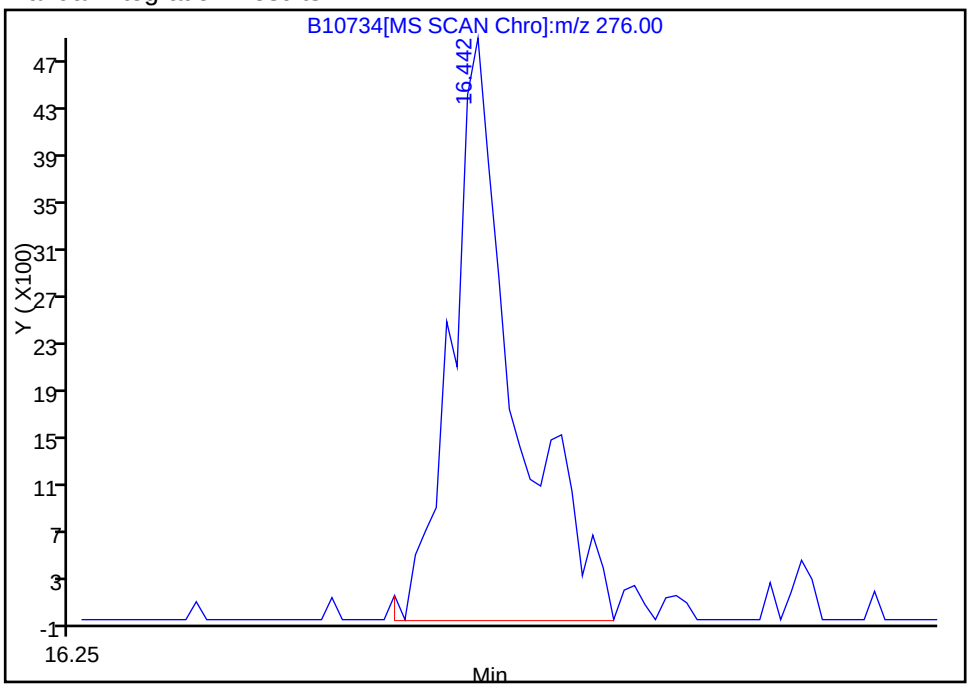
Processing Integration Results

RT: 16.44
Response: 7852
Amount: 0.203359



Manual Integration Results

RT: 16.44
Response: 9913
Amount: 0.610629



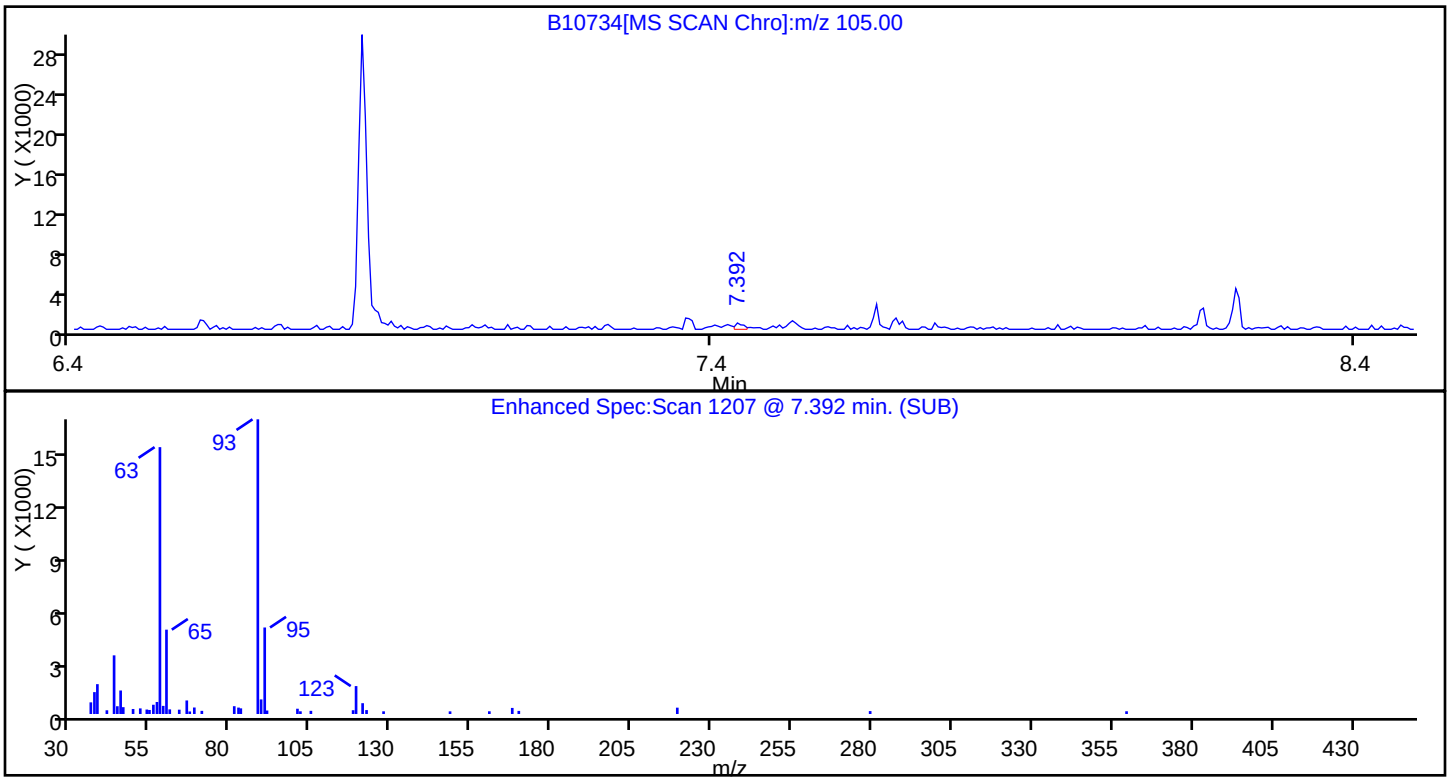
Reviewer: sullivanp, 07-Oct-2009 12:06:59
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10734.D		
Inj Date:	05-Oct-2009 16:40:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	0.25 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
7.39	105.00	554	0.250000
7.39	122.00	275	
7.38	77.00	440	

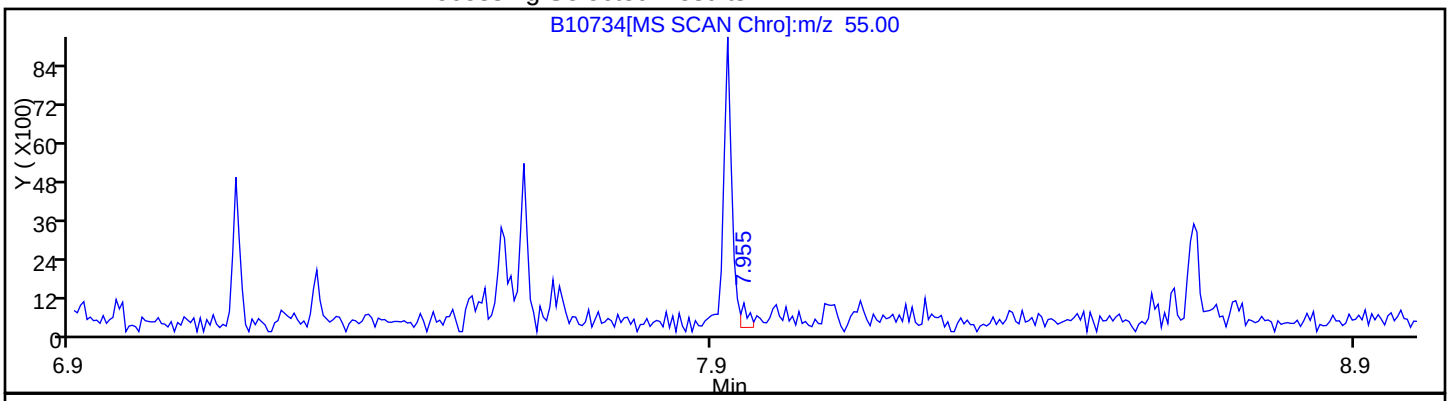
Reviewer: sullivanp, 07-Oct-2009 12:06:59
Audit Action: Marked Compound Undetected
Audit Reason:

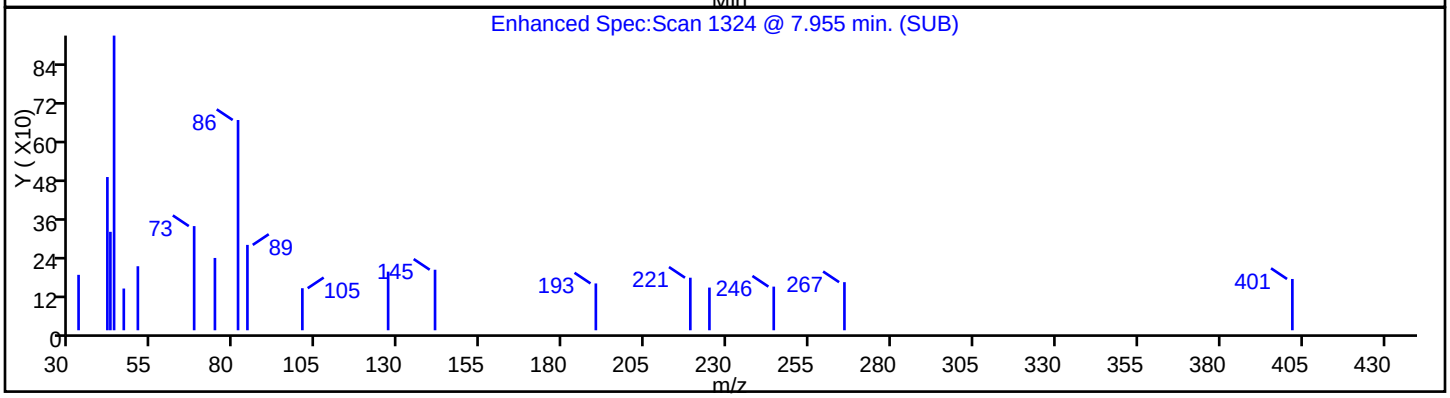
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10734.D		
Inj Date:	05-Oct-2009 16:40:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	0.25 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

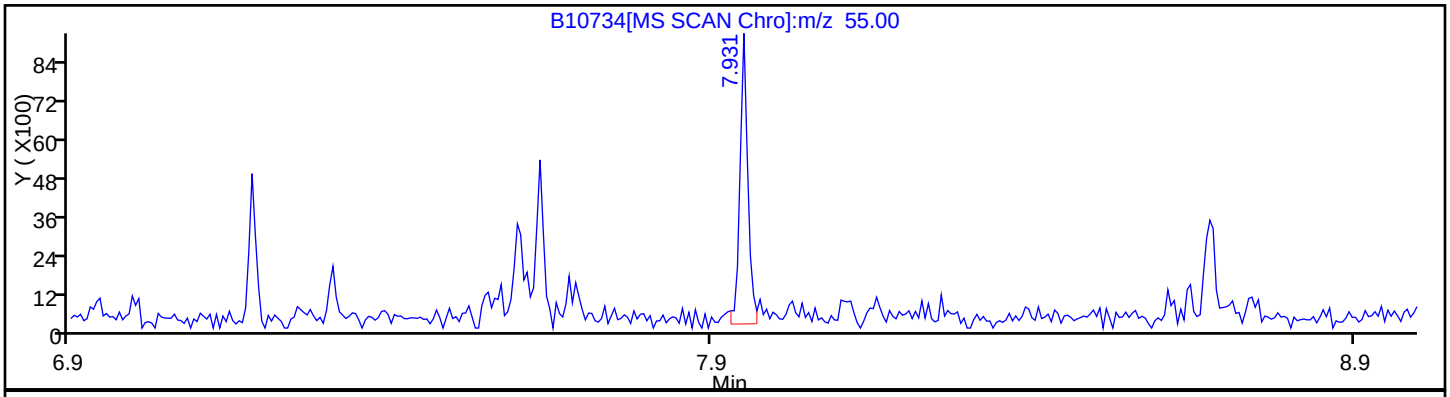
44 Caprolactam

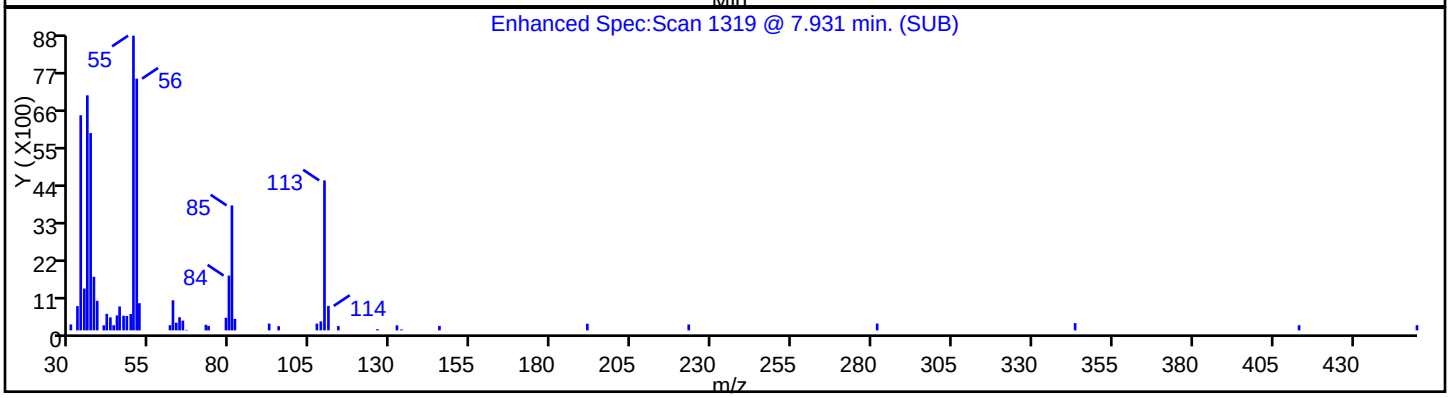
Processing Selected Results





Manual Selected Results





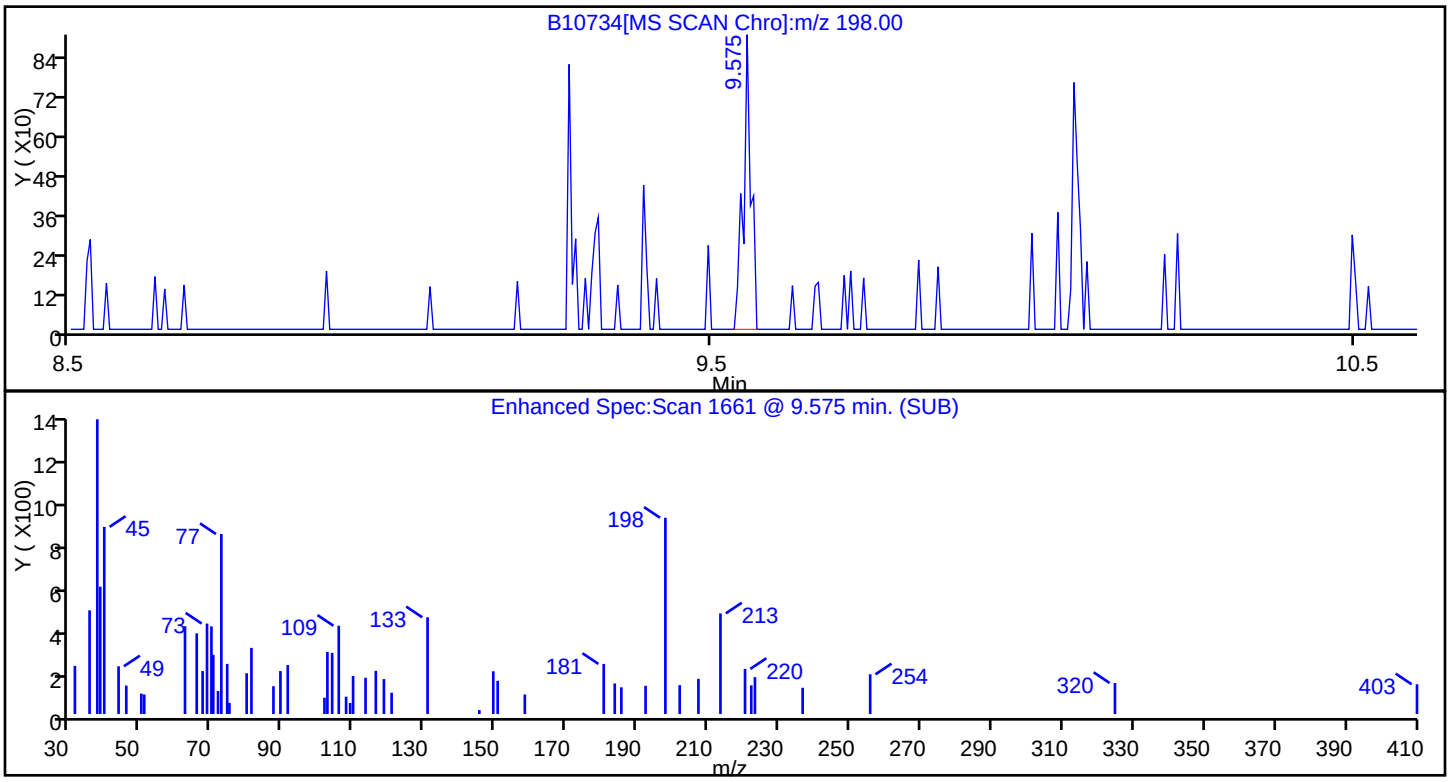
Reviewer: sullivanp, 07-Oct-2009 12:06:59
Audit Action: Selected Alternate Hit
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10734.D		
Inj Date:	05-Oct-2009 16:40:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	0.25 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
9.58	198.00	722	0.250000
9.57	121.00	422	
9.57	105.00	561	

Reviewer: sullivanp, 07-Oct-2009 12:06:59
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10735.D		
Lims ID:	std05	Client ID:	
Inject. Date:	05-Oct-2009 17:08:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	0.5 ug/ml		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49953	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 13:47:32	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		

Reviewed By:	sullivanp	Date:	07-Oct-2009 12:07:05
Reviewed By:	weigelb	Date:	29-Oct-2009 16:08:25

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.445	6.450	-0.005	214797	2.00	
* 2 Naphthalene-d8	136	7.594	7.594	0.000	497501	2.00	
* 3 Acenaphthene-d10	164	9.075	9.076	-0.001	247785	2.00	
* 4 Phenanthrene-d10	188	10.302	10.307	-0.005	399883	2.00	
* 5 Chrysene-d12	240	12.605	12.610	-0.005	283542	2.00	
* 6 Perylene-d12	264	14.995	15.000	-0.005	188130	2.00	
$ 7 2-Fluorophenol	112	4.983	4.983	0.000	28797	0.4671	
$ 8 Phenol-d5	99	6.123	6.128	-0.005	40452	0.4698	
$ 9 Nitrobenzene-d5	82	6.964	6.969	-0.005	43856	0.4536	
$ 10 2-Fluorobiphenyl	172	8.513	8.513	0.000	82101	0.4346	
$ 11 2,4,6-Tribromophenol	330	9.729	9.730	-0.001	5790	0.6105	
$ 12 Terphenyl-d14	244	11.619	11.624	-0.005	59000	0.4807	
14 1,4-Dioxane	88	1.934	1.949	-0.015	11898	0.4666	
16 Pyridine	79	2.353	2.353	0.000	25311	0.4367	
15 N-Nitrosodimethylamine	42	2.348	2.358	-0.010	31242	0.4712	
17 Benzaldehyde	105	6.017	6.017	0.000	13458	0.4404	
19 Aniline	93	6.132	6.133	-0.001	49216	0.4536	
18 Phenol	94	6.137	6.142	-0.005	49981	0.4974	
20 Bis(2-chloroethyl)ether	93	6.214	6.214	0.000	32509	0.5055	
21 2-Chlorophenol	128	6.243	6.243	0.000	37160	0.4945	
22 1,4-Dichlorobenzene	146	6.387	6.387	0.000	46314	0.4967	
23 1,3-Dichlorobenzene	146	6.459	6.464	-0.005	49391	0.5009	
24 Benzyl alcohol	79	6.594	6.599	-0.005	30529	0.5757	
25 1,2-Dichlorobenzene	146	6.604	6.604	0.000	42144	0.4584	
26 2-Methylphenol	108	6.709	6.710	-0.001	33501	0.4985	
27 2,2'-oxybis[1-chloropropane]	45	6.729	6.729	0.000	64804	0.4968	
30 Acetophenone	105	6.835	6.835	0.000	48203	0.4713	
29 N-Nitrosodi-n-propylamine	70	6.844	6.844	0.000	27328	0.4682	
28 3 & 4 Methylphenol	108	6.854	6.854	0.000	32873	0.4616	
31 Hexachloroethane	117	6.911	6.912	-0.001	19204	0.4943	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	6.984	6.984	0.000	44313	0.4605	
33 Isophorone	82	7.200	7.200	0.000	68863	0.4549	
34 2-Nitrophenol	139	7.267	7.267	0.000	16342	0.4428	
35 2,4-Dimethylphenol	107	7.315	7.320	-0.005	36730	0.4452	
37 Bis(2-chloroethoxy)methane	93	7.397	7.397	0.000	37252	0.4441	
38 2,4-Dichlorophenol	162	7.479	7.479	0.000	29243	0.4526	
39 1,2,4-Trichlorobenzene	180	7.551	7.551	0.000	33793	0.4428	
41 Naphthalene	128	7.614	7.614	0.000	114511	0.4706	
40 Alpha-Terpineol	59	7.628	7.628	0.000	33128	0.4215	
42 4-Chloroaniline	127	7.666	7.667	-0.001	43596	0.4562	
43 Hexachlorobutadiene	225	7.724	7.729	-0.005	19413	0.4406	
44 Caprolactam	55	7.931	7.950	-0.019	17032	0.5011	
45 4-Chloro-3-methylphenol	107	8.080	8.085	-0.005	32681	0.4560	
46 2-Methylnaphthalene	142	8.205	8.205	0.000	76505	0.4525	
47 1-Methylnaphthalene	142	8.287	8.287	0.000	73843	0.4542	
48 Hexachlorocyclopentadiene	237	8.340	8.340	0.000	7776	0.4763	
49 1,2,4,5-Tetrachlorobenzene	216	8.349	8.349	0.000	30761	0.4833	
50 2,4,6-Trichlorophenol	196	8.445	8.446	-0.001	18046	0.8052	
51 2,4,5-Trichlorophenol	196	8.474	8.474	0.000	18833	0.8288	
52 1,1'-Biphenyl	154	8.595	8.595	0.000	85006	0.4222	
53 2-Chloronaphthalene	162	8.609	8.614	-0.005	80175	0.4626	
54 Phenyl ether	170	8.681	8.686	-0.005	46327	0.4581	
68 4-Nitroaniline	138	8.696	8.700	-0.004	21556	0.4447	
56 Dimethyl phthalate	163	8.849	8.849	0.000	80246	0.4407	
57 2,6-Dinitrotoluene	165	8.898	8.902	-0.004	16208	0.4259	
58 Acenaphthylene	152	8.955	8.955	0.000	109749	0.4323	
59 3-Nitroaniline	138	9.037	9.042	-0.005	17511	0.4484	
61 Acenaphthene	153	9.099	9.104	-0.005	75255	0.4476	
62 4-Nitrophenol	109	9.181	9.181	0.000	8698	0.4970	
63 2,4-Dinitrotoluene	165	9.234	9.234	0.000	20191	0.4221	
64 Dibenzofuran	168	9.244	9.244	0.000	94356	0.4235	
65 2,3,4,6-Tetrachlorophenol	232	9.350	9.350	0.000	12039	0.6062	
66 Diethyl phthalate	149	9.431	9.431	0.000	86565	0.4372	
67 4-Chlorophenyl phenyl ether	204	9.527	9.528	-0.001	34868	0.5531	
69 Fluorene	166	9.527	9.528	-0.001	77040	0.4094	
55 2-Nitroaniline	65	9.537	9.542	-0.005	26507	0.5275	
70 4,6-Dinitro-2-methylphenol	198	9.571	9.571	0.000	1974	0.9671	
72 N-Nitrosodiphenylamine	169	9.624	9.624	0.000	66107	0.4349	
71 Diphenylamine	169	9.624	9.624	0.000	66107	0.4349	
74 Azobenzene	77	9.657	9.663	-0.006	149093	0.4488	
73 1,2-Diphenylhydrazine	77	9.657	9.663	-0.006	149093	0.4488	
13 Benzophenone	105	9.667	9.667	0.000	72609	0.4189	
75 4-Bromophenyl phenyl ether	248	9.931	9.931	0.000	17622	0.4303	
76 Hexachlorobenzene	284	9.989	9.989	0.000	16733	0.4359	
77 Atrazine	200	10.066	10.066	0.000	16909	0.4575	
79 Pentachloronitrobenzene	237	10.162	10.162	0.000	8950	0.8868	
80 Phenanthrene	178	10.321	10.326	-0.005	108354	0.4525	
81 Anthracene	178	10.364	10.364	0.000	97260	0.4272	
83 Carbazole	167	10.499	10.499	0.000	90289	0.4592	
84 Di-n-butyl phthalate	149	10.783	10.783	0.000	135869	0.4512	
87 Fluoranthene	202	11.307	11.307	0.000	97320	0.4407	
86 Benzidine	184	11.417	11.430	-0.013	16952	0.5696	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	11.494	11.494	0.000	102652	0.5066	
89 Butyl benzyl phthalate	149	12.028	12.033	-0.005	49973	0.4817	
91 3,3'-Dichlorobenzidine	252	12.567	12.567	0.000	18714	0.4995	
93 Benzo[a]anthracene	228	12.595	12.596	-0.001	72735	0.5166	
92 Bis(2-ethylhexyl) phthalate	149	12.629	12.629	0.000	71397	0.4704	
94 Chrysene	228	12.634	12.639	-0.005	68728	0.4889	
95 Di-n-octyl phthalate	149	13.572	13.572	0.000	72488	0.8033	
97 Benzo[b]fluoranthene	252	14.206	14.211	-0.005	53841	0.4224	
98 Benzo[k]fluoranthene	252	14.259	14.264	-0.005	52312	0.4510	
99 Benzo[a]pyrene	252	14.880	14.880	0.000	36472	0.4413	M
100 Indeno[1,2,3-cd]pyrene	276	16.443	16.443	-0.001	26708	0.7816	
101 Dibenz(a,h)anthracene	278	16.471	16.476	-0.005	20634	0.7846	
102 Benzo[g,h,i]perylene	276	16.774	16.779	-0.005	26949	0.4676	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 29-Oct-2009 16:08:26 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10735.D

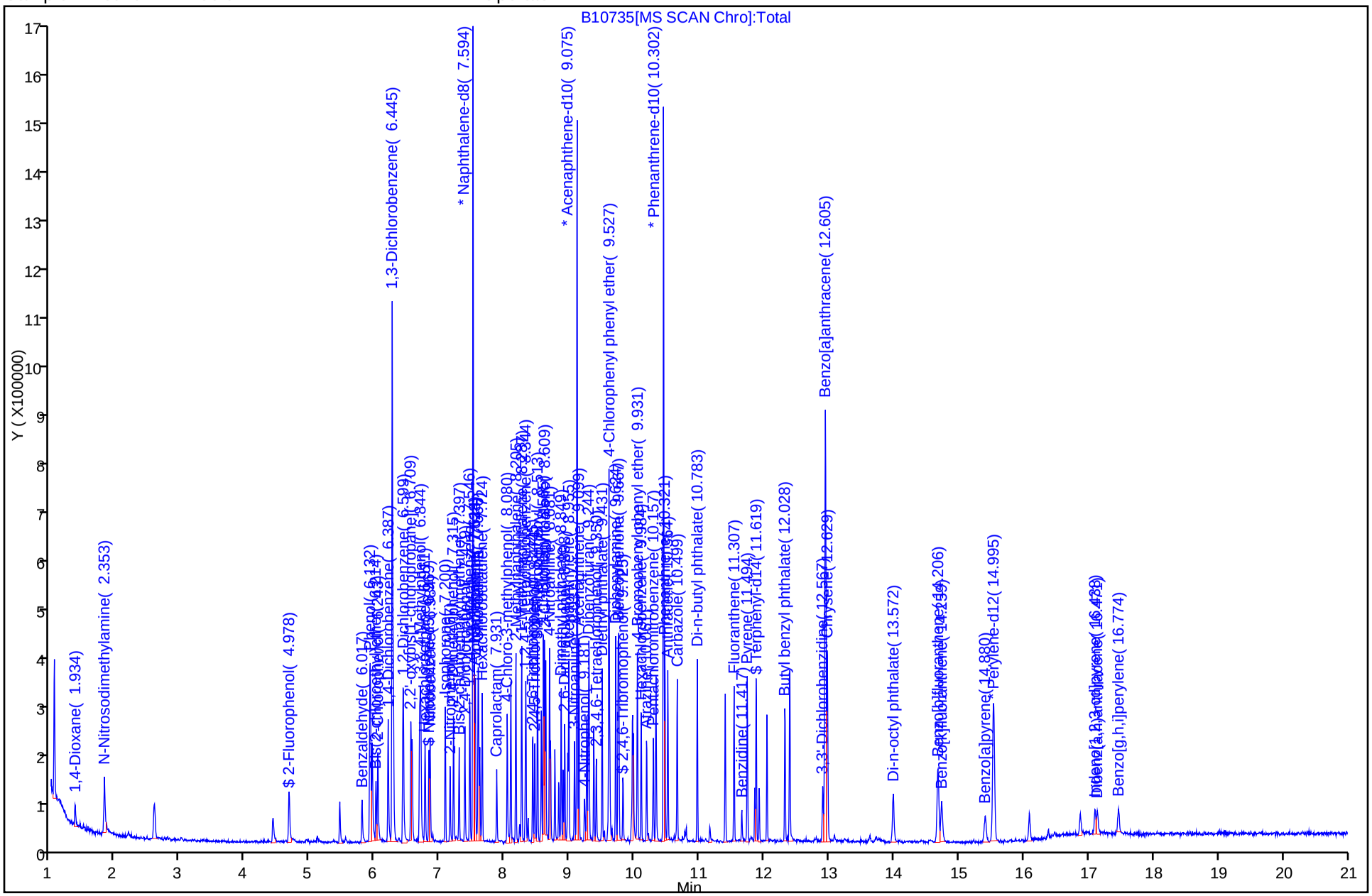
Inj Date: 05-Oct-2009 17:08:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49953 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: 0.5 ug/ml

Sample Amount: 1.00 ul Operator: MZ



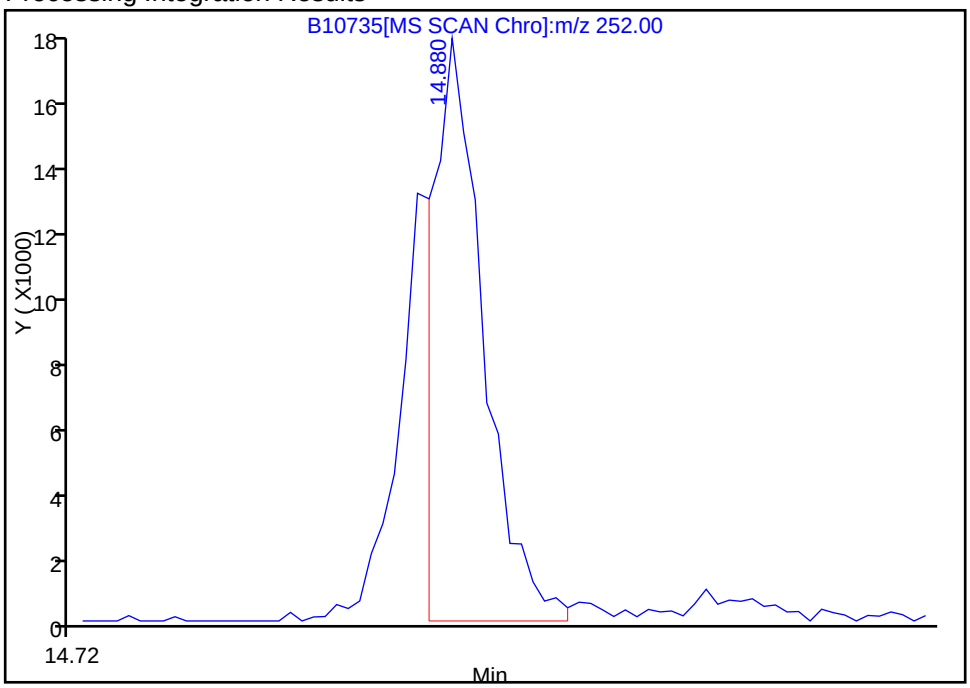
Chrom Revision: 1.1 26-Oct-2009 10:54:26
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10735.D		
Inj Date:	05-Oct-2009 17:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	0.5 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

99 Benzo[a]pyrene, Number: 1, m/z: 252 Type: quant, RT: 14.88

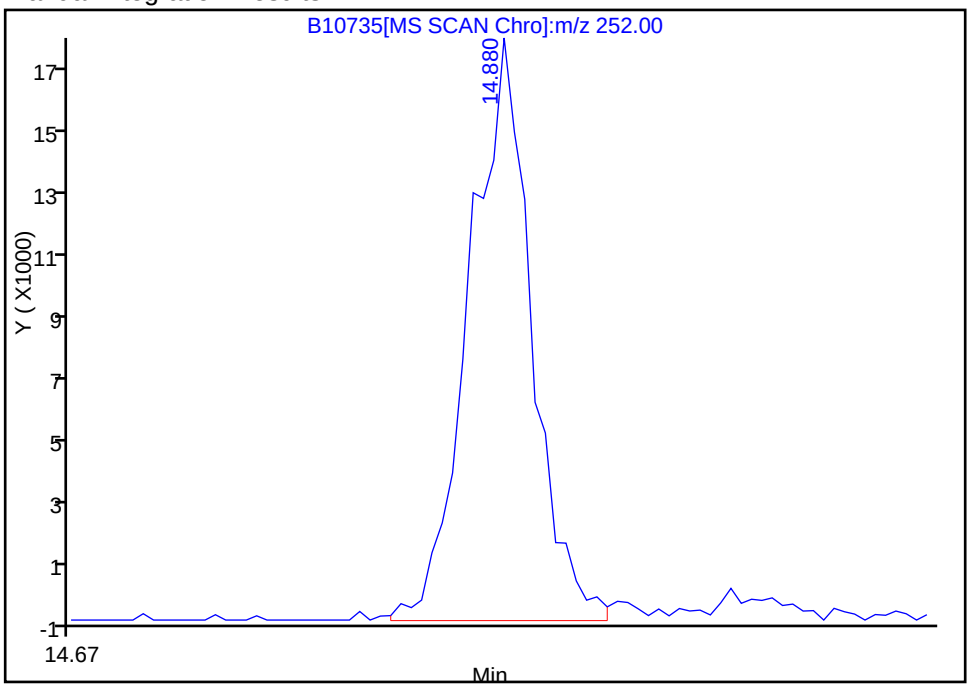
Processing Integration Results

RT: 14.88
Response: 26976
Amount: 0.388055



Manual Integration Results

RT: 14.88
Response: 36472
Amount: 0.441281



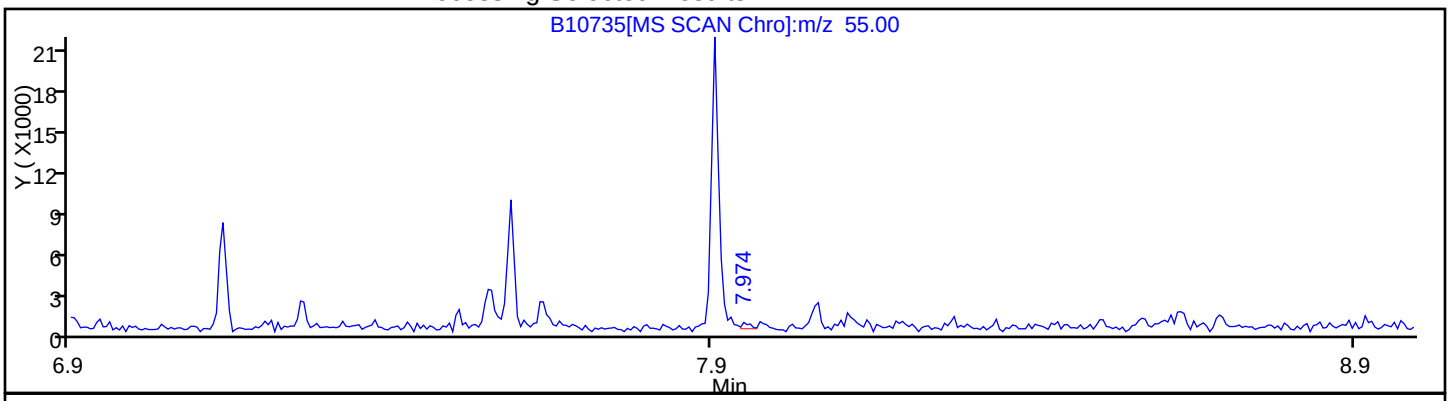
Reviewer: sullivanp, 07-Oct-2009 12:07:05
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

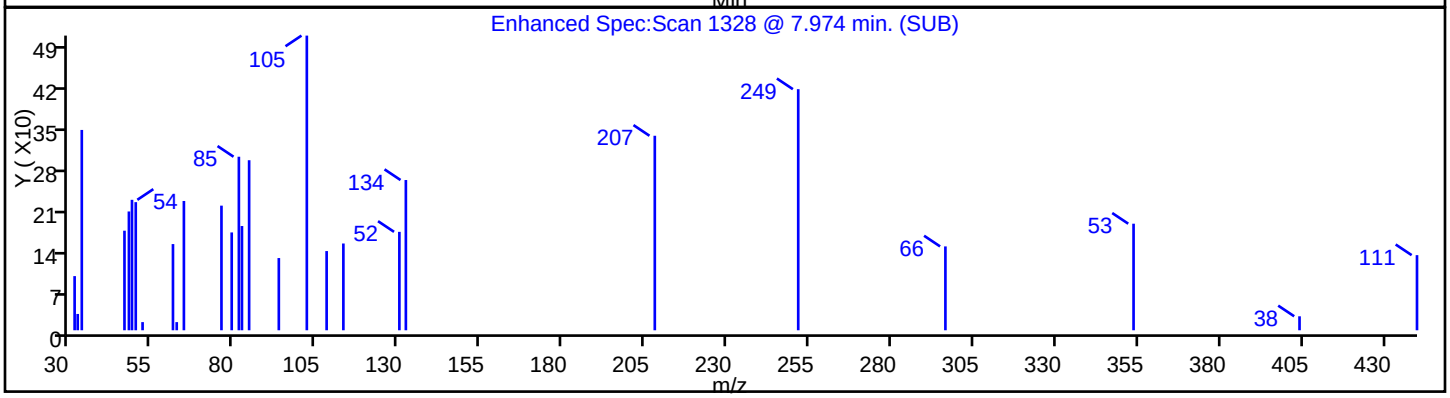
Chrom Revision: 1.1 26-Oct-2009 10:54:26
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10735.D		
Inj Date:	05-Oct-2009 17:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	0.5 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

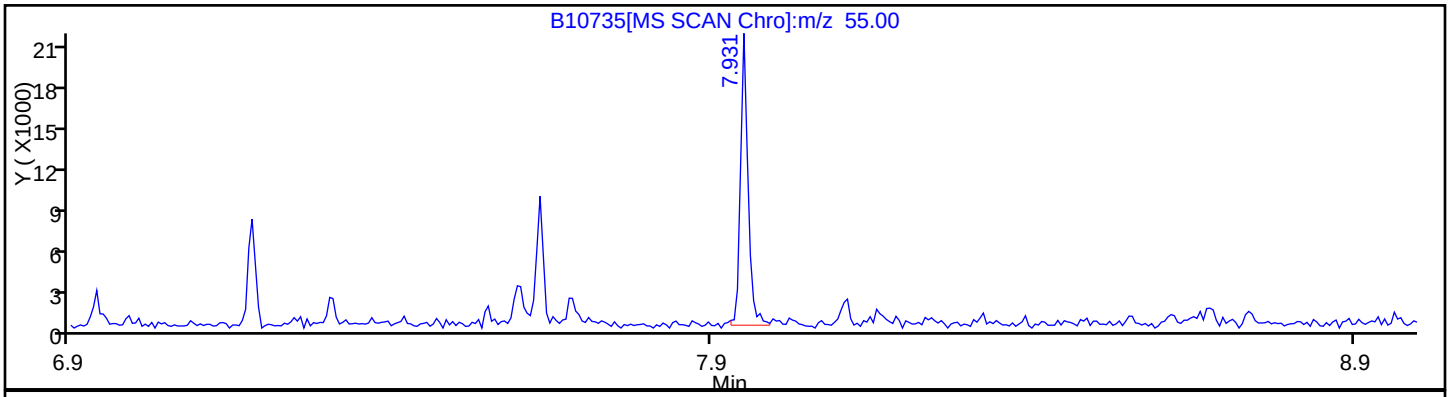
44 Caprolactam

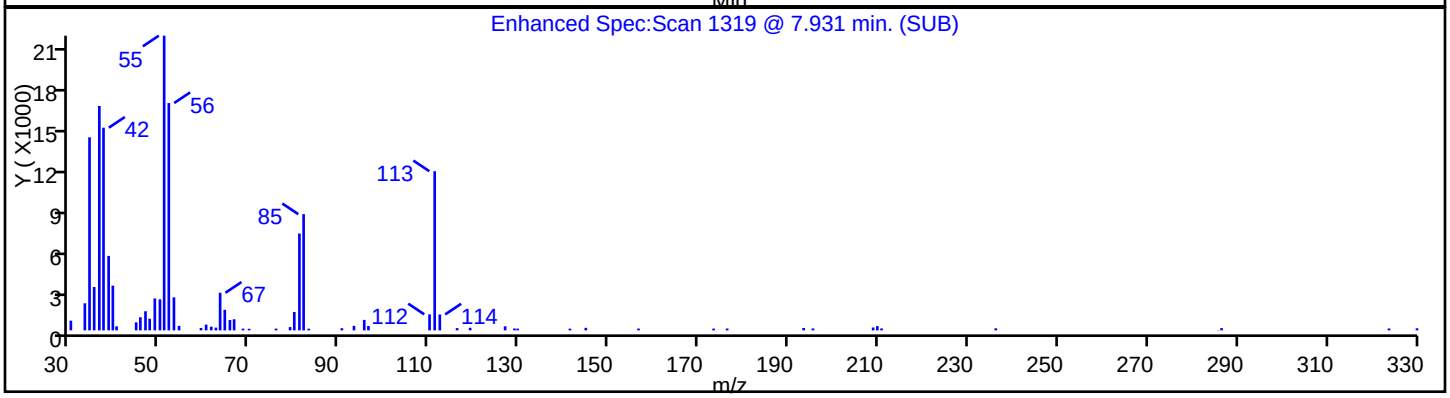
Processing Selected Results





Manual Selected Results





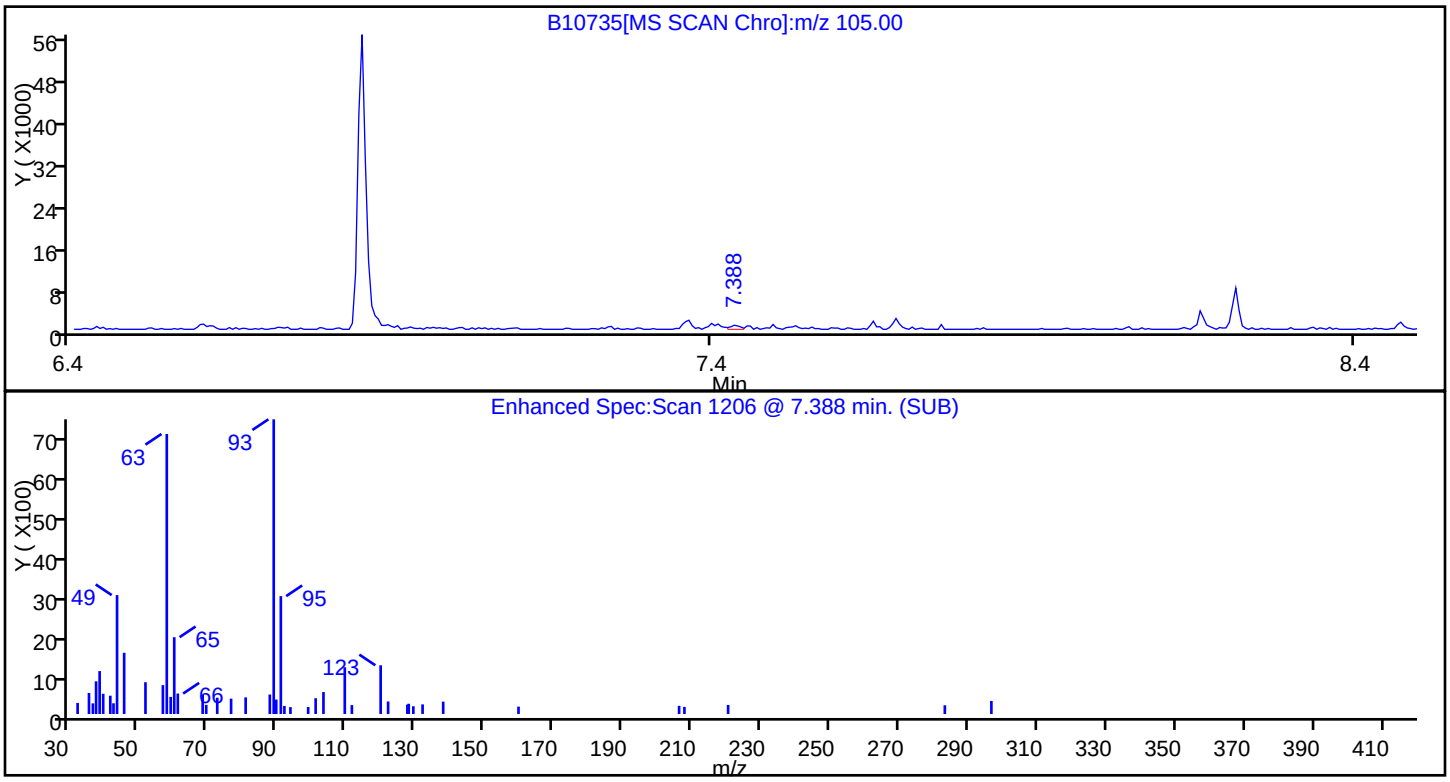
Reviewer: sullivanp, 07-Oct-2009 12:07:05
Audit Action: Selected Alternate Hit
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10735.D		
Inj Date:	05-Oct-2009 17:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	0.5 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
7.39	105.00	848	0.500000
7.40	122.00	1016	
7.39	77.00	850	

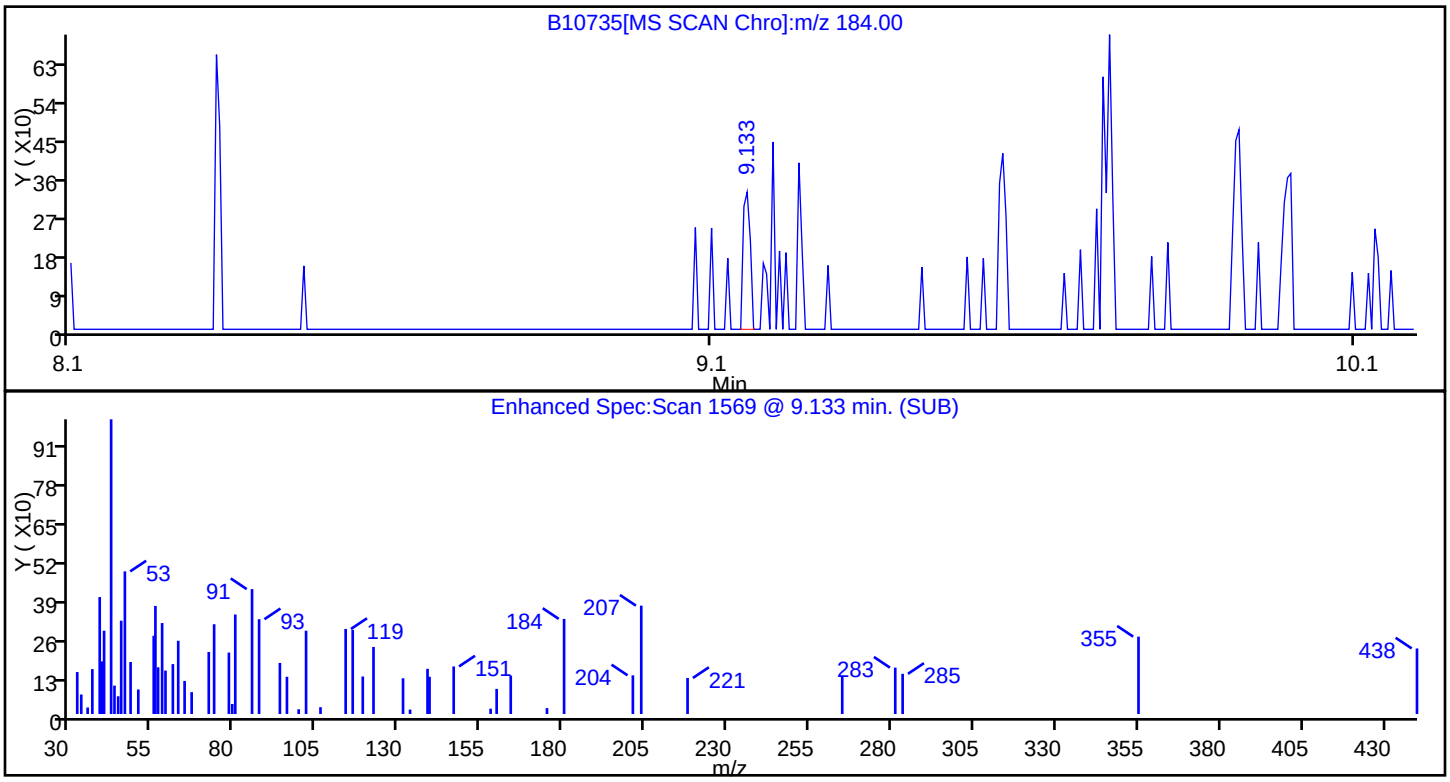
Reviewer: sullivanp, 07-Oct-2009 12:07:05
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10735.D		
Inj Date:	05-Oct-2009 17:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	0.5 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
9.13	184.00	236	0.091119
9.12	63.00	482	
9.13	154.00	349	

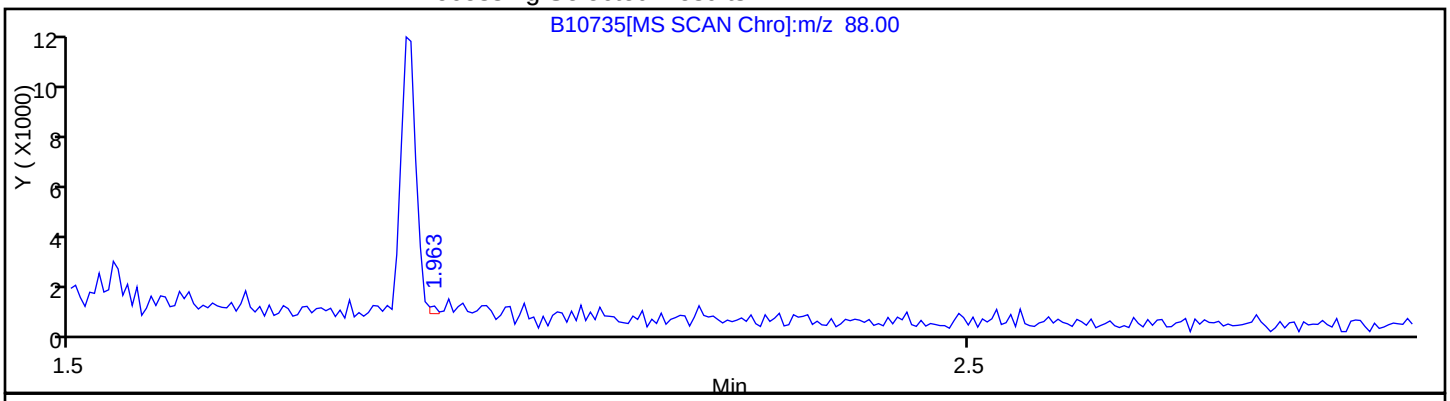
Reviewer: sullivanp, 07-Oct-2009 12:07:05
Audit Action: Marked Compound Undetected
Audit Reason:

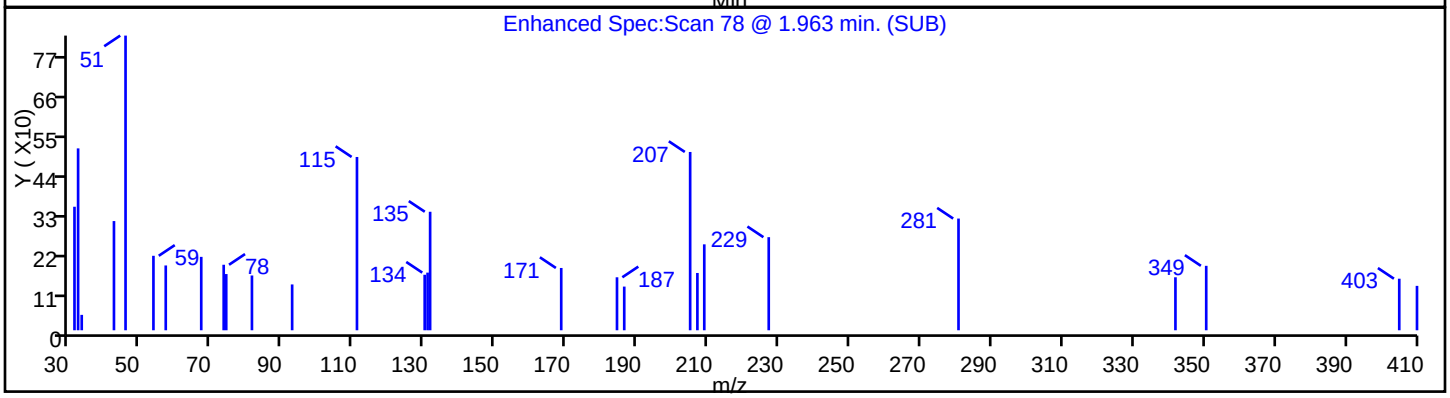
Chrom Revision: 1.1 26-Oct-2009 10:54:26
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10735.D		
Inj Date:	05-Oct-2009 17:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	0.5 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

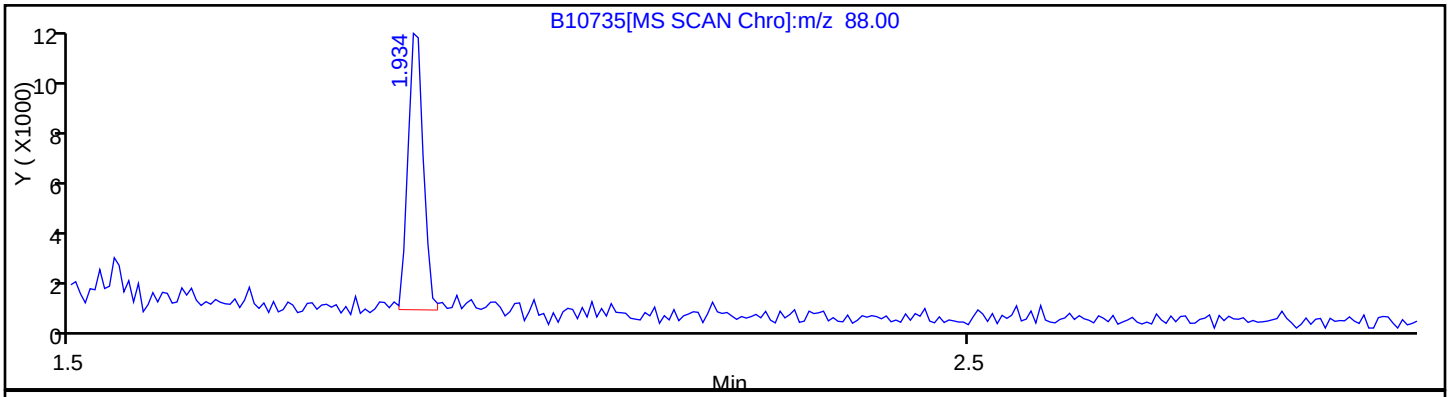
14 1,4-Dioxane

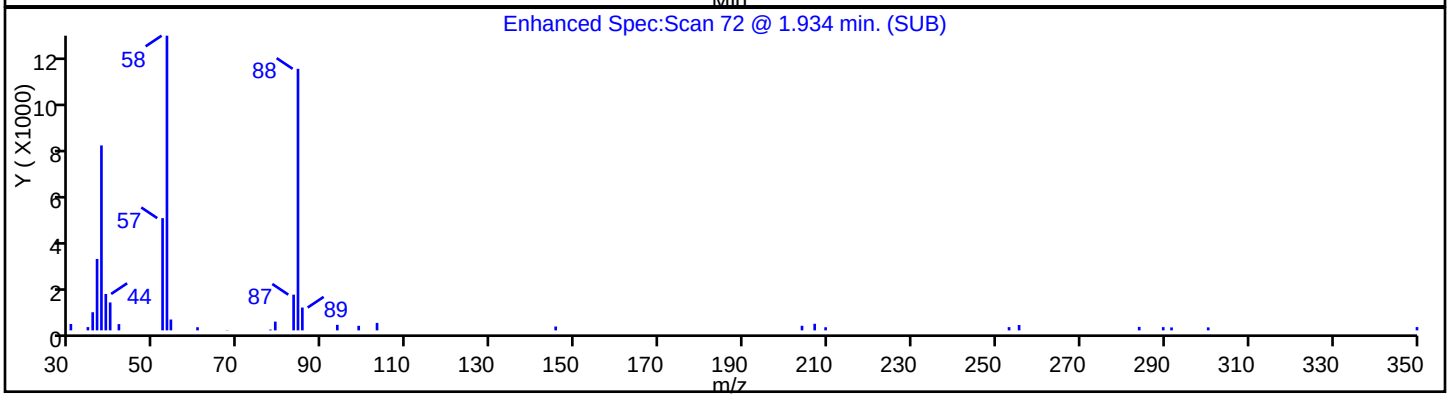
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 07-Oct-2009 12:07:05
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10736.D		
Lims ID:	std1	Client ID:	
Inject. Date:	05-Oct-2009 17:36:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	1.0 ug/ml		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49953	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 13:47:32	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		
Reviewed By:	sullivanp	Date:	07-Oct-2009 12:07:12
Reviewed By:	weigelb	Date:	29-Oct-2009 16:08:46

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.445	6.450	-0.005	214584	2.00	
* 2 Naphthalene-d8	136	7.595	7.594	0.001	495883	2.00	
* 3 Acenaphthene-d10	164	9.076	9.076	0.000	235493	2.00	
* 4 Phenanthrene-d10	188	10.302	10.307	-0.005	388033	2.00	
* 5 Chrysene-d12	240	12.605	12.610	-0.005	282454	2.00	
* 6 Perylene-d12	264	14.995	15.000	-0.005	186591	2.00	
$ 7 2-Fluorophenol	112	4.974	4.983	-0.009	59842	0.9717	
$ 8 Phenol-d5	99	6.123	6.128	-0.005	82098	0.9544	
$ 9 Nitrobenzene-d5	82	6.965	6.969	-0.004	91886	0.9534	
$ 10 2-Fluorobiphenyl	172	8.513	8.513	0.000	160751	0.8953	
$ 11 2,4,6-Tribromophenol	330	9.730	9.730	0.000	13800	1.04	
$ 12 Terphenyl-d14	244	11.620	11.624	-0.004	113535	0.9285	
14 1,4-Dioxane	88	1.930	1.949	-0.019	24635	0.9670	
16 Pyridine	79	2.339	2.353	-0.014	56802	1.06	
15 N-Nitrosodimethylamine	42	2.339	2.358	-0.019	63212	0.9542	
17 Benzaldehyde	105	6.017	6.017	0.000	30580	1.00	
19 Aniline	93	6.128	6.133	-0.005	100979	0.9317	
18 Phenol	94	6.138	6.142	-0.004	90570	0.9022	
20 Bis(2-chloroethyl)ether	93	6.215	6.214	0.001	63537	0.9889	
21 2-Chlorophenol	128	6.239	6.243	-0.004	70892	0.9444	
22 1,4-Dichlorobenzene	146	6.388	6.387	0.001	89575	0.9615	
23 1,3-Dichlorobenzene	146	6.460	6.464	-0.004	94511	0.9595	
24 Benzyl alcohol	79	6.594	6.599	-0.005	63095	1.10	
25 1,2-Dichlorobenzene	146	6.604	6.604	0.000	85336	0.9292	
26 2-Methylphenol	108	6.710	6.710	0.000	66976	1.00	
27 2,2'-oxybis[1-chloropropane]	45	6.729	6.729	0.000	125388	0.9622	
30 Acetophenone	105	6.835	6.835	0.000	97273	0.9520	
29 N-Nitrosodi-n-propylamine	70	6.845	6.844	0.000	54725	0.9385	
28 3 & 4 Methylphenol	108	6.854	6.854	0.000	67522	0.9491	
31 Hexachloroethane	117	6.912	6.912	0.000	37618	0.9692	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	6.984	6.984	0.000	87525	0.9124	
33 Isophorone	82	7.200	7.200	0.000	138069	0.9151	
34 2-Nitrophenol	139	7.268	7.267	0.001	34188	0.8282	
35 2,4-Dimethylphenol	107	7.316	7.320	-0.004	75629	0.9196	
37 Bis(2-chloroethoxy)methane	93	7.398	7.397	0.001	78392	0.9377	
36 Benzoic acid	105	7.364	7.403	-0.039	5875	1.75	
38 2,4-Dichlorophenol	162	7.479	7.479	0.000	57368	0.8907	
39 1,2,4-Trichlorobenzene	180	7.547	7.551	-0.004	70106	0.9216	
41 Naphthalene	128	7.614	7.614	0.000	224671	0.9263	
40 Alpha-Terpineol	59	7.628	7.628	0.000	73906	0.9433	
42 4-Chloroaniline	127	7.667	7.667	0.000	86657	0.9098	
43 Hexachlorobutadiene	225	7.725	7.729	-0.004	37665	0.8576	
44 Caprolactam	55	7.936	7.950	-0.014	30370	0.8964	
45 4-Chloro-3-methylphenol	107	8.080	8.085	-0.005	63022	0.8822	
46 2-Methylnaphthalene	142	8.205	8.205	0.000	150830	0.8951	
47 1-Methylnaphthalene	142	8.287	8.287	0.000	141950	0.8759	
48 Hexachlorocyclopentadiene	237	8.340	8.340	0.000	20057	0.9620	
49 1,2,4,5-Tetrachlorobenzene	216	8.345	8.349	-0.004	56940	0.8975	
50 2,4,6-Trichlorophenol	196	8.446	8.446	0.000	37326	1.18	
51 2,4,5-Trichlorophenol	196	8.475	8.474	0.001	39748	1.21	
52 1,1'-Biphenyl	154	8.595	8.595	0.000	168290	0.8794	
53 2-Chloronaphthalene	162	8.609	8.614	-0.005	158575	0.9606	
54 Phenyl ether	170	8.681	8.686	-0.005	91937	0.9121	
68 4-Nitroaniline	138	8.696	8.700	-0.004	43469	0.8494	
56 Dimethyl phthalate	163	8.850	8.849	0.001	161678	0.9342	
57 2,6-Dinitrotoluene	165	8.898	8.902	-0.004	35843	0.99	
58 Acenaphthylene	152	8.956	8.955	0.001	220449	0.9136	
59 3-Nitroaniline	138	9.037	9.042	-0.005	36118	0.9732	
61 Acenaphthene	153	9.100	9.104	-0.004	141225	0.8839	
60 2,4-Dinitrophenol	184	9.129	9.128	0.001	1697	1.68	
62 4-Nitrophenol	109	9.177	9.181	-0.004	20708	0.8403	
63 2,4-Dinitrotoluene	165	9.234	9.234	0.000	44591	0.8671	
64 Dibenzofuran	168	9.244	9.244	0.000	188571	0.8904	
65 2,3,4,6-Tetrachlorophenol	232	9.350	9.350	0.000	26820	1.02	
66 Diethyl phthalate	149	9.432	9.431	0.001	177137	0.9413	
67 4-Chlorophenyl phenyl ether	204	9.528	9.528	0.000	69885	0.9885	
69 Fluorene	166	9.528	9.528	0.000	157664	0.7775	
55 2-Nitroaniline	65	9.537	9.542	-0.005	51993	1.09	
70 4,6-Dinitro-2-methylphenol	198	9.571	9.571	0.000	5958	1.26	
72 N-Nitrosodiphenylamine	169	9.624	9.624	0.000	130545	0.8850	
71 Diphenylamine	169	9.624	9.624	0.000	130545	0.8850	
74 Azobenzene	77	9.658	9.663	-0.005	303183	0.9405	
73 1,2-Diphenylhydrazine	77	9.658	9.663	-0.005	303183	0.9406	
13 Benzophenone	105	9.667	9.667	0.000	148902	0.8853	
75 4-Bromophenyl phenyl ether	248	9.932	9.931	0.001	35662	0.8973	
76 Hexachlorobenzene	284	9.989	9.989	0.000	33266	0.8930	
77 Atrazine	200	10.066	10.066	0.000	32283	0.9002	
78 Pentachlorophenol	266	10.148	10.156	-0.008	7017	1.12	
79 Pentachloronitrobenzene	237	10.163	10.162	0.001	19145	1.23	
80 Phenanthrene	178	10.321	10.326	-0.005	208436	0.8970	
81 Anthracene	178	10.365	10.364	0.001	196688	0.8904	
83 Carbazole	167	10.499	10.499	0.000	182603	0.9571	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	10.783	10.783	0.000	261374	0.8944	
87 Fluoranthene	202	11.307	11.307	0.000	190193	0.8875	
86 Benzidine	184	11.418	11.430	-0.012	34373	1.11	
85 Pyrene	202	11.495	11.494	0.001	199373	0.9877	
89 Butyl benzyl phthalate	149	12.033	12.033	0.000	102219	0.9892	
91 3,3'-Dichlorobenzidine	252	12.567	12.567	0.000	37129	0.99	
93 Benzo[a]anthracene	228	12.596	12.596	0.000	134017	0.9555	
92 Bis(2-ethylhexyl) phthalate	149	12.630	12.629	0.001	146699	0.9702	
94 Chrysene	228	12.634	12.639	-0.005	136039	0.9715	
95 Di-n-octyl phthalate	149	13.572	13.572	0.000	169627	1.14	
97 Benzo[b]fluoranthene	252	14.207	14.211	-0.004	109373	0.8652	
98 Benzo[k]fluoranthene	252	14.264	14.264	0.000	103379	0.8986	
99 Benzo[a]pyrene	252	14.880	14.880	0.000	76978	0.8272	
100 Indeno[1,2,3-cd]pyrene	276	16.438	16.443	-0.005	59143	1.17	
101 Dibenz(a,h)anthracene	278	16.477	16.476	0.001	44223	1.11	
102 Benzo[g,h,i]perylene	276	16.775	16.779	-0.004	55294	0.9674	

Report Date: 29-Oct-2009 16:08:46 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10736.D

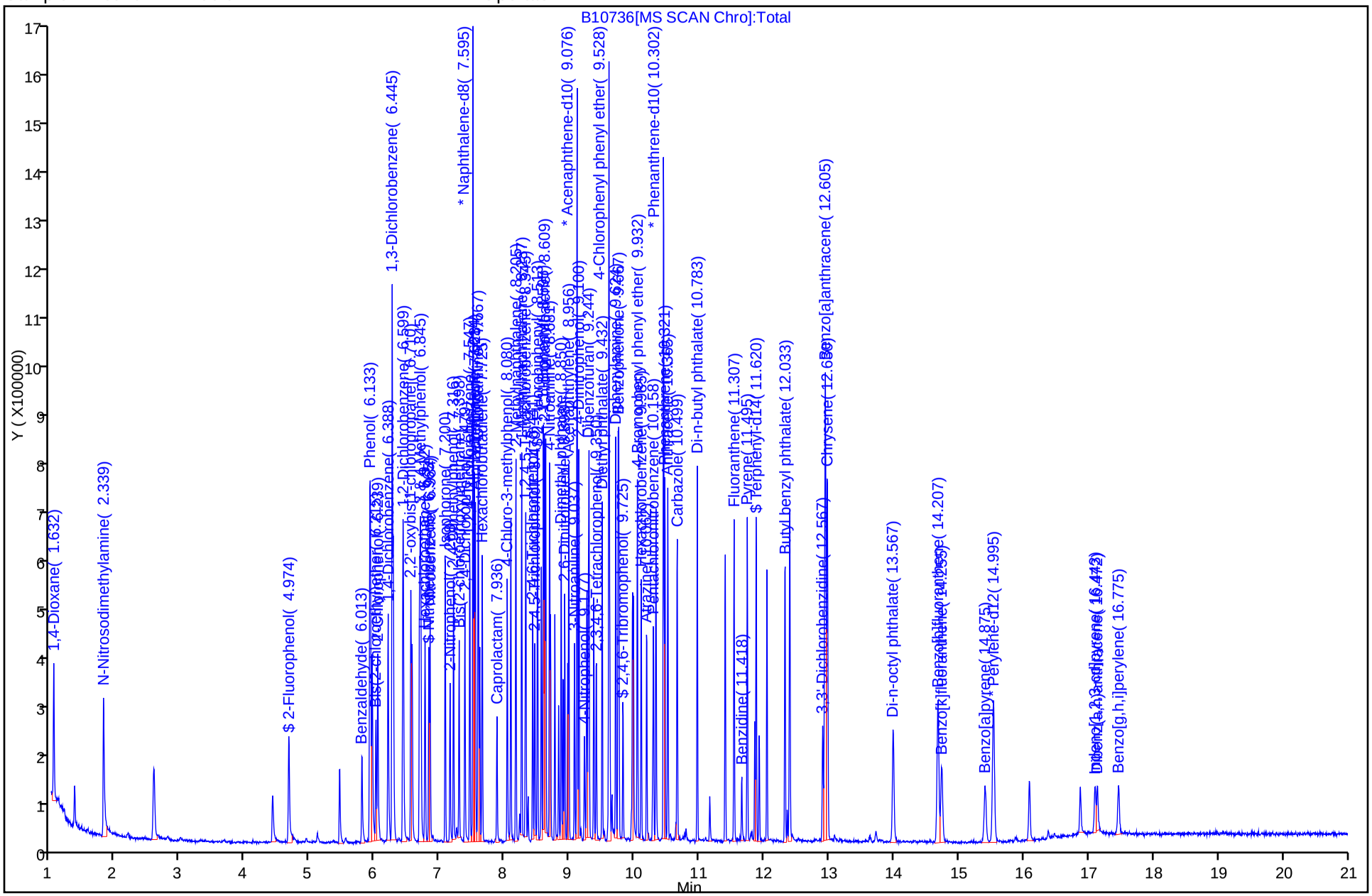
Inj Date: 05-Oct-2009 17:36:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49953 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: 1.0 ug/ml

Sample Amount: 1.00 ul Operator: MZ

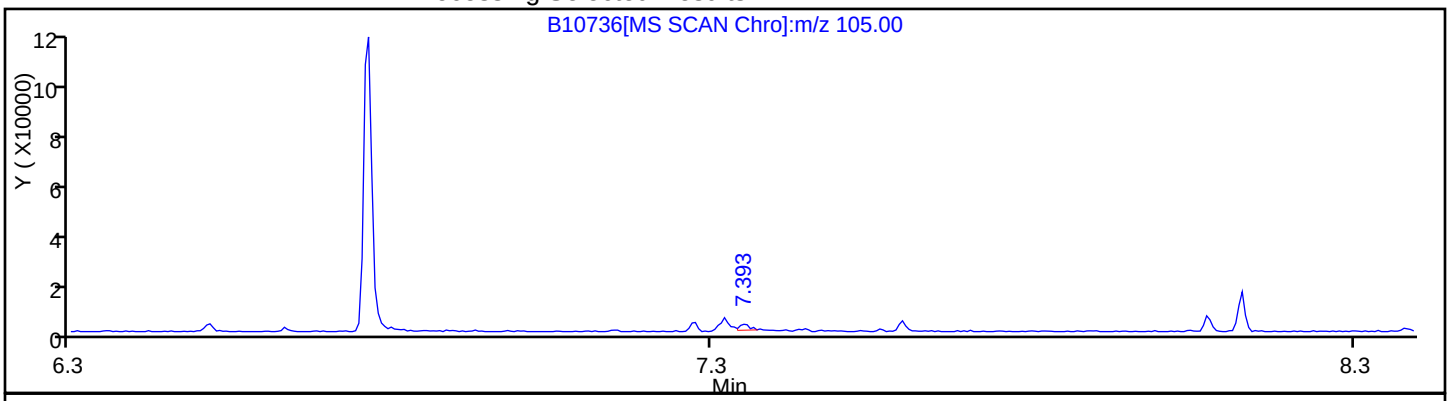


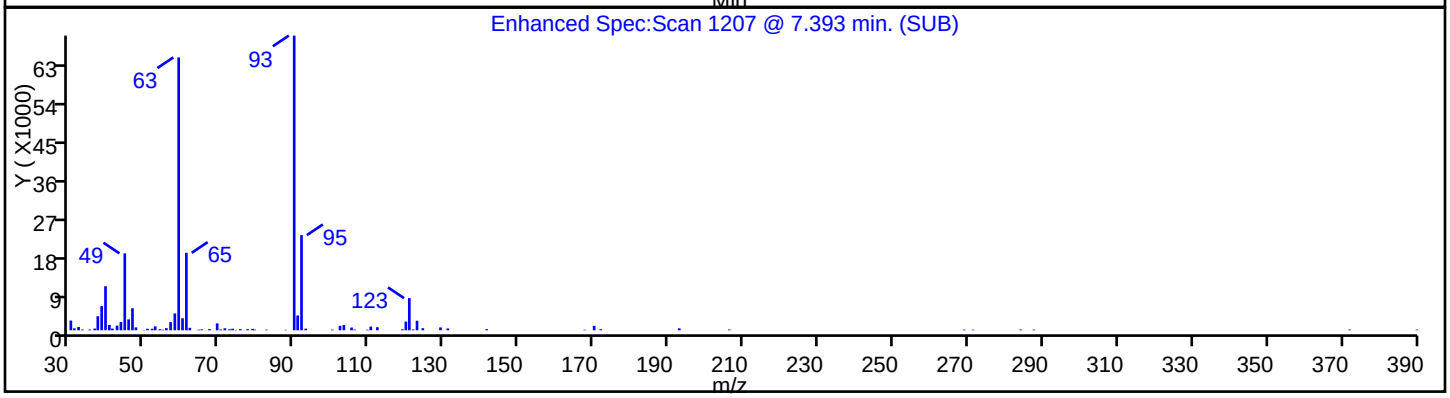
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10736.D		
Inj Date:	05-Oct-2009 17:36:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	1.0 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

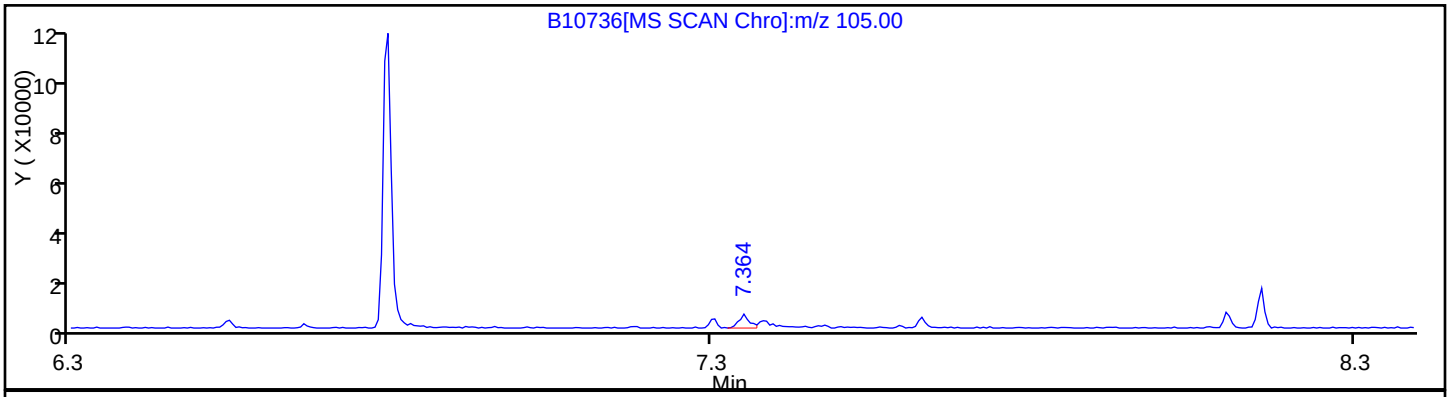
36 Benzoic acid

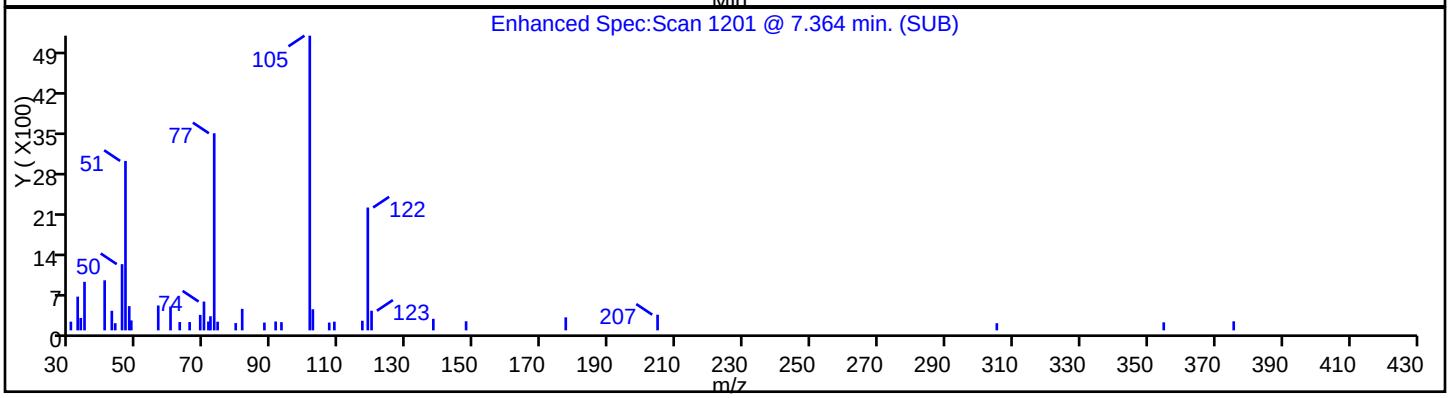
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 07-Oct-2009 12:07:12
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10737.D		
Lims ID:	std25	Client ID:	
Inject. Date:	05-Oct-2009 18:04:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	2.5 ug/ml		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49953	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 13:47:32	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		
Reviewed By:	sullivanp	Date:	07-Oct-2009 12:07:18
Reviewed By:	weigelb	Date:	29-Oct-2009 16:08:56

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.450	6.450	0.000	267554	2.00	
* 2 Naphthalene-d8	136	7.594	7.594	0.000	582782	2.00	
* 3 Acenaphthene-d10	164	9.076	9.076	0.000	277531	2.00	
* 4 Phenanthrene-d10	188	10.307	10.307	0.000	466153	2.00	
* 5 Chrysene-d12	240	12.610	12.610	0.000	372570	2.00	
* 6 Perylene-d12	264	15.000	15.000	0.000	241800	2.00	
$ 7 2-Fluorophenol	112	4.983	4.983	0.000	181275	2.36	
$ 8 Phenol-d5	99	6.128	6.128	0.000	251652	2.35	
$ 9 Nitrobenzene-d5	82	6.969	6.969	0.000	261311	2.31	
$ 10 2-Fluorobiphenyl	172	8.513	8.513	0.000	485829	2.30	
$ 11 2,4,6-Tribromophenol	330	9.730	9.730	0.000	39219	2.04	
$ 12 Terphenyl-d14	244	11.624	11.624	0.000	354010	2.19	
14 1,4-Dioxane	88	1.949	1.949	0.000	70666	2.22	
16 Pyridine	79	2.353	2.353	0.000	184547	2.73	
15 N-Nitrosodimethylamine	42	2.358	2.358	0.000	189516	2.29	
17 Benzaldehyde	105	6.017	6.017	0.000	85483	2.25	
19 Aniline	93	6.133	6.133	0.000	315722	2.34	
18 Phenol	94	6.142	6.142	0.000	295402	2.36	
20 Bis(2-chloroethyl)ether	93	6.214	6.214	0.000	189248	2.36	
21 2-Chlorophenol	128	6.243	6.243	0.000	216746	2.32	
22 1,4-Dichlorobenzene	146	6.387	6.387	0.000	261763	2.25	
23 1,3-Dichlorobenzene	146	6.464	6.464	0.000	270475	2.20	
24 Benzyl alcohol	79	6.599	6.599	0.000	209750	2.60	
25 1,2-Dichlorobenzene	146	6.604	6.604	0.000	250160	2.18	
26 2-Methylphenol	108	6.710	6.710	0.000	187748	2.24	
27 2,2'-oxybis[1-chloropropane]	45	6.729	6.729	0.000	360493	2.22	
30 Acetophenone	105	6.835	6.835	0.000	295376	2.32	
29 N-Nitrosodi-n-propylamine	70	6.844	6.844	0.000	166611	2.29	
28 3 & 4 Methylphenol	108	6.854	6.854	0.000	205794	2.32	
31 Hexachloroethane	117	6.912	6.912	0.000	109565	2.26	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	6.984	6.984	0.000	257948	2.29	
33 Isophorone	82	7.200	7.200	0.000	420409	2.37	
34 2-Nitrophenol	139	7.267	7.267	0.000	108240	2.08	
35 2,4-Dimethylphenol	107	7.320	7.320	0.000	221731	2.29	
37 Bis(2-chloroethoxy)methane	93	7.397	7.397	0.000	222287	2.26	
36 Benzoic acid	105	7.378	7.403	-0.025	28837	2.29	
38 2,4-Dichlorophenol	162	7.479	7.479	0.000	175964	2.32	
39 1,2,4-Trichlorobenzene	180	7.551	7.551	0.000	200452	2.24	
41 Naphthalene	128	7.614	7.614	0.000	636058	2.23	
40 Alpha-Terpineol	59	7.628	7.628	0.000	215885	2.34	
42 4-Chloroaniline	127	7.667	7.667	0.000	267673	2.39	
43 Hexachlorobutadiene	225	7.729	7.729	0.000	112147	2.17	
44 Caprolactam	55	7.950	7.950	0.000	97874	2.46	
45 4-Chloro-3-methylphenol	107	8.085	8.085	0.000	196170	2.34	
46 2-Methylnaphthalene	142	8.205	8.205	0.000	440342	2.22	
47 1-Methylnaphthalene	142	8.287	8.287	0.000	424075	2.23	
48 Hexachlorocyclopentadiene	237	8.340	8.340	0.000	67346	2.30	
49 1,2,4,5-Tetrachlorobenzene	216	8.349	8.349	0.000	169190	2.27	
50 2,4,6-Trichlorophenol	196	8.446	8.446	0.000	117331	2.33	
51 2,4,5-Trichlorophenol	196	8.474	8.474	0.000	117246	2.27	
52 1,1'-Biphenyl	154	8.595	8.595	0.000	504337	2.24	
53 2-Chloronaphthalene	162	8.614	8.614	0.000	511756	2.53	
54 Phenyl ether	170	8.686	8.686	0.000	265105	2.24	
68 4-Nitroaniline	138	8.700	8.700	0.000	137200	2.13	
56 Dimethyl phthalate	163	8.849	8.849	0.000	458382	2.25	
57 2,6-Dinitrotoluene	165	8.902	8.902	0.000	104018	2.44	
58 Acenaphthylene	152	8.955	8.955	0.000	652390	2.29	
59 3-Nitroaniline	138	9.042	9.042	0.000	107308	2.45	
61 Acenaphthene	153	9.104	9.104	0.000	429139	2.28	
60 2,4-Dinitrophenol	184	9.128	9.128	0.000	11028	2.44	
62 4-Nitrophenol	109	9.181	9.181	0.000	78707	2.11	
63 2,4-Dinitrotoluene	165	9.234	9.234	0.000	133577	2.07	
64 Dibenzofuran	168	9.244	9.244	0.000	564797	2.26	
65 2,3,4,6-Tetrachlorophenol	232	9.350	9.350	0.000	82521	2.19	
66 Diethyl phthalate	149	9.431	9.431	0.000	517793	2.33	
67 4-Chlorophenyl phenyl ether	204	9.528	9.528	0.000	218862	2.29	
69 Fluorene	166	9.528	9.528	0.000	492854	1.91	
55 2-Nitroaniline	65	9.542	9.542	0.000	154271	2.74	
70 4,6-Dinitro-2-methylphenol	198	9.571	9.571	0.000	26714	2.38	
72 N-Nitrosodiphenylamine	169	9.624	9.624	0.000	393103	2.22	
71 Diphenylamine	169	9.624	9.624	0.000	393103	2.22	
74 Azobenzene	77	9.662	9.663	-0.001	925631	2.39	
73 1,2-Diphenylhydrazine	77	9.662	9.663	-0.001	925631	2.39	
13 Benzophenone	105	9.667	9.667	0.000	450814	2.23	
75 4-Bromophenyl phenyl ether	248	9.931	9.931	0.000	102973	2.16	
76 Hexachlorobenzene	284	9.989	9.989	0.000	100447	2.24	
77 Atrazine	200	10.066	10.066	0.000	100550	2.33	
78 Pentachlorophenol	266	10.153	10.156	-0.003	37019	2.52	
79 Pentachloronitrobenzene	237	10.162	10.162	0.000	58453	2.21	
80 Phenanthrene	178	10.326	10.326	0.000	628489	2.25	
81 Anthracene	178	10.364	10.364	0.000	611905	2.31	
83 Carbazole	167	10.499	10.499	0.000	537147	2.34	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	10.783	10.783	0.000	824759	2.35	
87 Fluoranthene	202	11.307	11.307	0.000	589452	2.29	
86 Benzidine	184	11.417	11.430	-0.013	105147	2.57	
85 Pyrene	202	11.494	11.494	0.000	622505	2.34	
89 Butyl benzyl phthalate	149	12.033	12.033	0.000	343096	2.52	
91 3,3'-Dichlorobenzidine	252	12.567	12.567	0.000	125790	2.56	
93 Benzo[a]anthracene	228	12.596	12.596	0.000	442551	2.39	
92 Bis(2-ethylhexyl) phthalate	149	12.629	12.629	0.000	494117	2.48	
94 Chrysene	228	12.639	12.639	0.000	423675	2.29	
95 Di-n-octyl phthalate	149	13.572	13.572	0.000	647849	2.29	
97 Benzo[b]fluoranthene	252	14.211	14.211	0.000	361734	2.21	
98 Benzo[k]fluoranthene	252	14.264	14.264	0.000	332646	2.23	
99 Benzo[a]pyrene	252	14.880	14.880	0.000	270694	2.07	
100 Indeno[1,2,3-cd]pyrene	276	16.443	16.443	0.000	202326	2.32	M
101 Dibenz(a,h)anthracene	278	16.476	16.476	0.000	152677	2.13	
102 Benzo[g,h,i]perylene	276	16.779	16.779	0.000	173961	2.35	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 29-Oct-2009 16:08:56 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10737.D

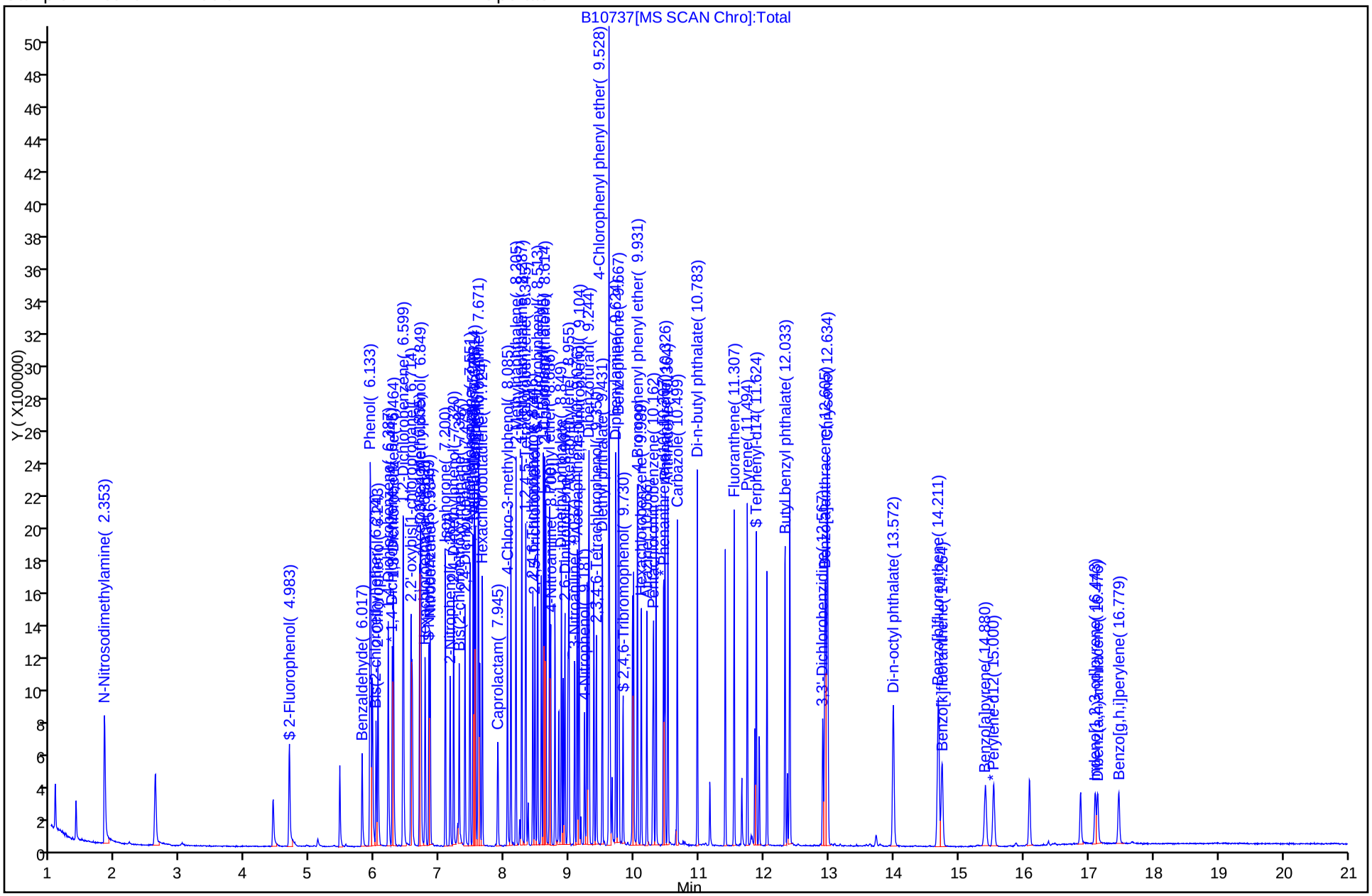
Inj Date: 05-Oct-2009 18:04:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49953 Lims Sample ID: 7

Client ID: Instrument: Inst. B

Sample Info: 2.5 ug/ml

Sample Amount: 1.00 ul Operator: MZ



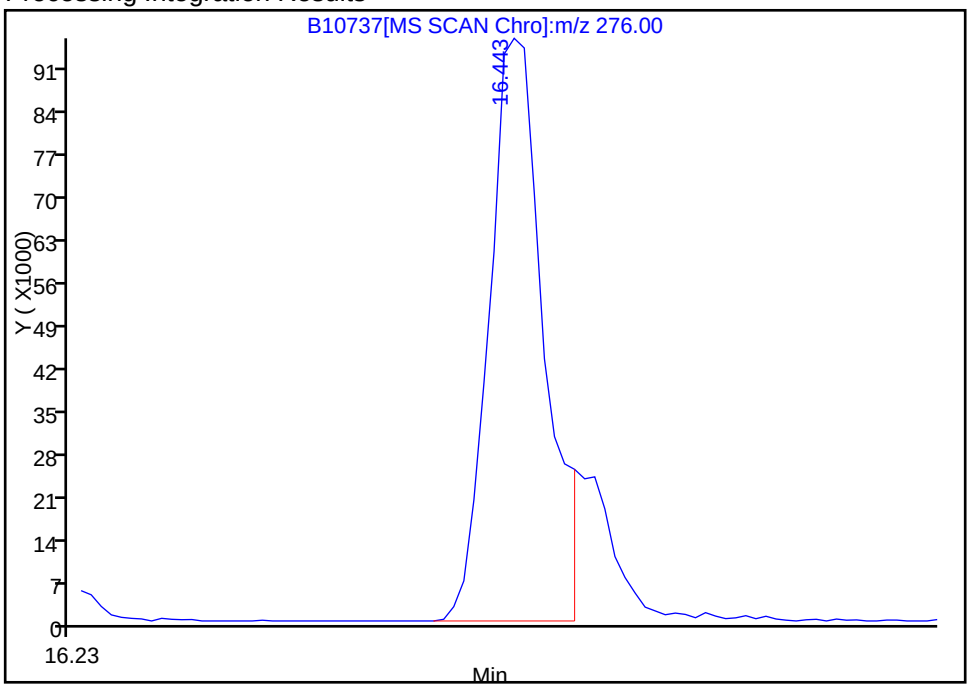
Chrom Revision: 1.1 26-Oct-2009 10:54:26
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10737.D		
Inj Date:	05-Oct-2009 18:04:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	2.5 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

100 Indeno[1,2,3-cd]pyrene, Number: 1, m/z: 276 Type: quant, RT: 16.44

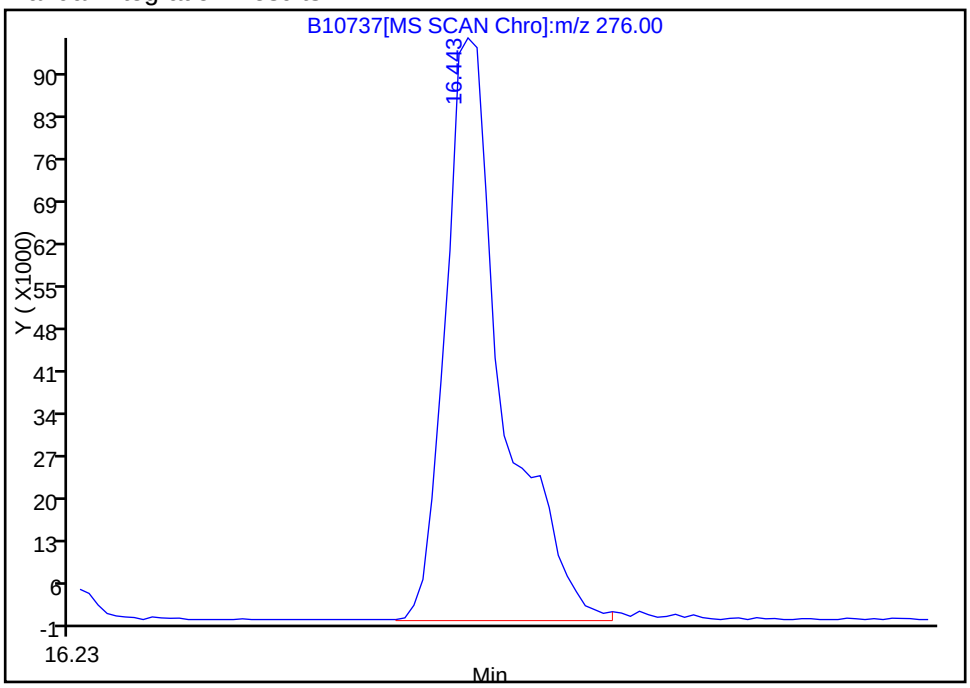
Processing Integration Results

RT: 16.44
Response: 174063
Amount: 2.530219



Manual Integration Results

RT: 16.44
Response: 202326
Amount: 2.323903



Reviewer: sullivanp, 07-Oct-2009 12:07:18
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10738.D		
Lims ID:	std8	Client ID:	
Inject. Date:	05-Oct-2009 18:32:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	8.0 ug/ml		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49953	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 13:47:32	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		

Reviewed By:	sullivanp	Date:	07-Oct-2009 12:07:24
Reviewed By:	weigelb	Date:	29-Oct-2009 16:09:06

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.445	6.450	-0.005	237218	2.00	
* 2 Naphthalene-d8	136	7.599	7.594	0.005	528436	2.00	
* 3 Acenaphthene-d10	164	9.075	9.076	-0.001	251309	2.00	
* 4 Phenanthrene-d10	188	10.306	10.307	-0.001	425204	2.00	
* 5 Chrysene-d12	240	12.614	12.610	0.004	399183	2.00	
* 6 Perylene-d12	264	15.000	15.000	0.000	242902	2.00	
$ 7 2-Fluorophenol	112	4.978	4.983	-0.005	620830	9.12	
$ 8 Phenol-d5	99	6.132	6.128	0.004	860916	9.05	
$ 9 Nitrobenzene-d5	82	6.969	6.969	0.000	860575	8.38	
$ 10 2-Fluorobiphenyl	172	8.517	8.513	0.004	1621120	8.46	
$ 11 2,4,6-Tribromophenol	330	9.734	9.730	0.004	154894	7.81	
$ 12 Terphenyl-d14	244	11.624	11.624	0.000	1348921	7.81	
14 1,4-Dioxane	88	1.929	1.949	-0.020	198421	7.05	
16 Pyridine	79	2.328	2.353	-0.025	558531	8.01	
15 N-Nitrosodimethylamine	42	2.343	2.358	-0.015	587549	8.02	
17 Benzaldehyde	105	6.017	6.017	0.000	272476	8.07	
19 Aniline	93	6.137	6.133	0.004	1085685	9.06	
18 Phenol	94	6.142	6.142	0.000	986590	8.89	
20 Bis(2-chloroethyl)ether	93	6.219	6.214	0.005	589571	8.30	5
21 2-Chlorophenol	128	6.243	6.243	0.000	682822	8.23	
22 1,4-Dichlorobenzene	146	6.387	6.387	0.000	814614	7.91	
23 1,3-Dichlorobenzene	146	6.464	6.464	0.000	866730	7.96	
24 Benzyl alcohol	79	6.599	6.599	0.000	735510	7.87	
25 1,2-Dichlorobenzene	146	6.603	6.604	-0.001	856290	8.43	
26 2-Methylphenol	108	6.714	6.710	0.004	624474	8.41	
27 2,2'-oxybis[1-chloropropane]	45	6.728	6.729	-0.001	1119037	7.77	
30 Acetophenone	105	6.839	6.835	0.004	999034	8.84	
29 N-Nitrosodi-n-propylamine	70	6.849	6.844	0.005	575253	8.92	
28 3 & 4 Methylphenol	108	6.858	6.854	0.004	698230	8.88	
31 Hexachloroethane	117	6.911	6.912	-0.001	353791	8.25	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	6.988	6.984	0.004	847399	8.29	
33 Isophorone	82	7.205	7.200	0.005	1383624	8.61	
34 2-Nitrophenol	139	7.272	7.267	0.005	367557	7.52	
35 2,4-Dimethylphenol	107	7.320	7.320	0.000	733804	8.37	
37 Bis(2-chloroethoxy)methane	93	7.402	7.397	0.005	735091	8.25	
36 Benzoic acid	105	7.421	7.403	0.018	295744	8.37	
38 2,4-Dichlorophenol	162	7.483	7.479	0.004	588411	8.57	
39 1,2,4-Trichlorobenzene	180	7.551	7.551	0.000	660769	8.15	
41 Naphthalene	128	7.618	7.614	0.004	2144788	8.30	
40 Alpha-Terpineol	59	7.633	7.628	0.005	710167	8.51	
42 4-Chloroaniline	127	7.671	7.667	0.004	939971	9.26	
43 Hexachlorobutadiene	225	7.729	7.729	0.000	378136	8.08	
44 Caprolactam	55	7.979	7.950	0.029	311794	8.64	
45 4-Chloro-3-methylphenol	107	8.089	8.085	0.004	661770	8.69	
46 2-Methylnaphthalene	142	8.205	8.205	0.000	1477300	8.23	
47 1-Methylnaphthalene	142	8.291	8.287	0.004	1458611	8.45	
48 Hexachlorocyclopentadiene	237	8.339	8.340	-0.001	272174	8.07	
49 1,2,4,5-Tetrachlorobenzene	216	8.349	8.349	0.000	597057	8.83	
50 2,4,6-Trichlorophenol	196	8.450	8.446	0.004	393741	7.33	
51 2,4,5-Trichlorophenol	196	8.479	8.474	0.005	410572	7.30	
52 1,1'-Biphenyl	154	8.599	8.595	0.004	1769239	8.66	
53 2-Chloronaphthalene	162	8.618	8.614	0.004	1677091	7.97	
54 Phenyl ether	170	8.686	8.686	0.000	896268	8.34	
68 4-Nitroaniline	138	8.705	8.700	0.005	456496	7.62	
56 Dimethyl phthalate	163	8.859	8.849	0.010	1537263	8.32	
57 2,6-Dinitrotoluene	165	8.907	8.902	0.005	331415	8.59	
58 Acenaphthylene	152	8.960	8.955	0.005	2286250	8.88	
59 3-Nitroaniline	138	9.046	9.042	0.004	351275	8.87	
61 Acenaphthene	153	9.104	9.104	0.000	1470561	8.62	
60 2,4-Dinitrophenol	184	9.133	9.128	0.005	94975	8.56	
62 4-Nitrophenol	109	9.186	9.181	0.005	293338	7.85	
63 2,4-Dinitrotoluene	165	9.239	9.234	0.005	490229	8.13	
64 Dibenzofuran	168	9.248	9.244	0.004	1986670	8.79	
65 2,3,4,6-Tetrachlorophenol	232	9.354	9.350	0.004	307633	8.07	
66 Diethyl phthalate	149	9.436	9.431	0.005	1716833	8.55	
67 4-Chlorophenyl phenyl ether	204	9.532	9.528	0.004	841542	7.94	
69 Fluorene	166	9.532	9.528	0.004	1935779	8.00	
55 2-Nitroaniline	65	9.551	9.542	0.009	387429	7.60	
70 4,6-Dinitro-2-methylphenol	198	9.575	9.571	0.004	146133	8.39	
72 N-Nitrosodiphenylamine	169	9.628	9.624	0.004	1352035	8.36	
71 Diphenylamine	169	9.628	9.624	0.004	1352035	8.36	
74 Azobenzene	77	9.662	9.663	-0.001	3067254	8.68	
73 1,2-Diphenylhydrazine	77	9.662	9.663	-0.001	3067254	8.68	
13 Benzophenone	105	9.671	9.667	0.004	1592709	8.64	
75 4-Bromophenyl phenyl ether	248	9.936	9.931	0.005	376126	8.64	
76 Hexachlorobenzene	284	9.989	9.989	0.000	358763	8.79	
77 Atrazine	200	10.071	10.066	0.005	330714	8.42	
78 Pentachlorophenol	266	10.152	10.156	-0.004	182069	8.21	
79 Pentachloronitrobenzene	237	10.162	10.162	0.000	216545	7.13	
80 Phenanthrene	178	10.325	10.326	-0.001	2173458	8.54	
81 Anthracene	178	10.369	10.364	0.005	2161241	8.93	
83 Carbazole	167	10.503	10.499	0.004	1710668	8.18	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	10.787	10.783	0.004	2757859	8.61	
87 Fluoranthene	202	11.311	11.307	0.004	2092735	8.91	
86 Benzidine	184	11.422	11.430	-0.008	374992	8.01	
85 Pyrene	202	11.499	11.494	0.005	2186672	7.67	
89 Butyl benzyl phthalate	149	12.033	12.033	0.000	1200631	8.22	
91 3,3'-Dichlorobenzidine	252	12.576	12.567	0.009	456501	8.66	
93 Benzo[a]anthracene	228	12.605	12.596	0.009	1632792	8.24	
92 Bis(2-ethylhexyl) phthalate	149	12.634	12.629	0.005	1821030	8.52	
94 Chrysene	228	12.643	12.639	0.004	1596696	8.07	
95 Di-n-octyl phthalate	149	13.576	13.572	0.004	2422586	7.00	
97 Benzo[b]fluoranthene	252	14.230	14.211	0.019	1329503	8.08	
98 Benzo[k]fluoranthene	252	14.278	14.264	0.014	1236255	8.25	
99 Benzo[a]pyrene	252	14.894	14.880	0.014	1042134	7.67	
100 Indeno[1,2,3-cd]pyrene	276	16.452	16.443	0.009	778657	7.58	
101 Dibenz(a,h)anthracene	278	16.486	16.476	0.010	706510	8.02	
102 Benzo[g,h,i]perylene	276	16.788	16.779	0.009	702055	9.43	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 29-Oct-2009 16:09:06 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10738.D

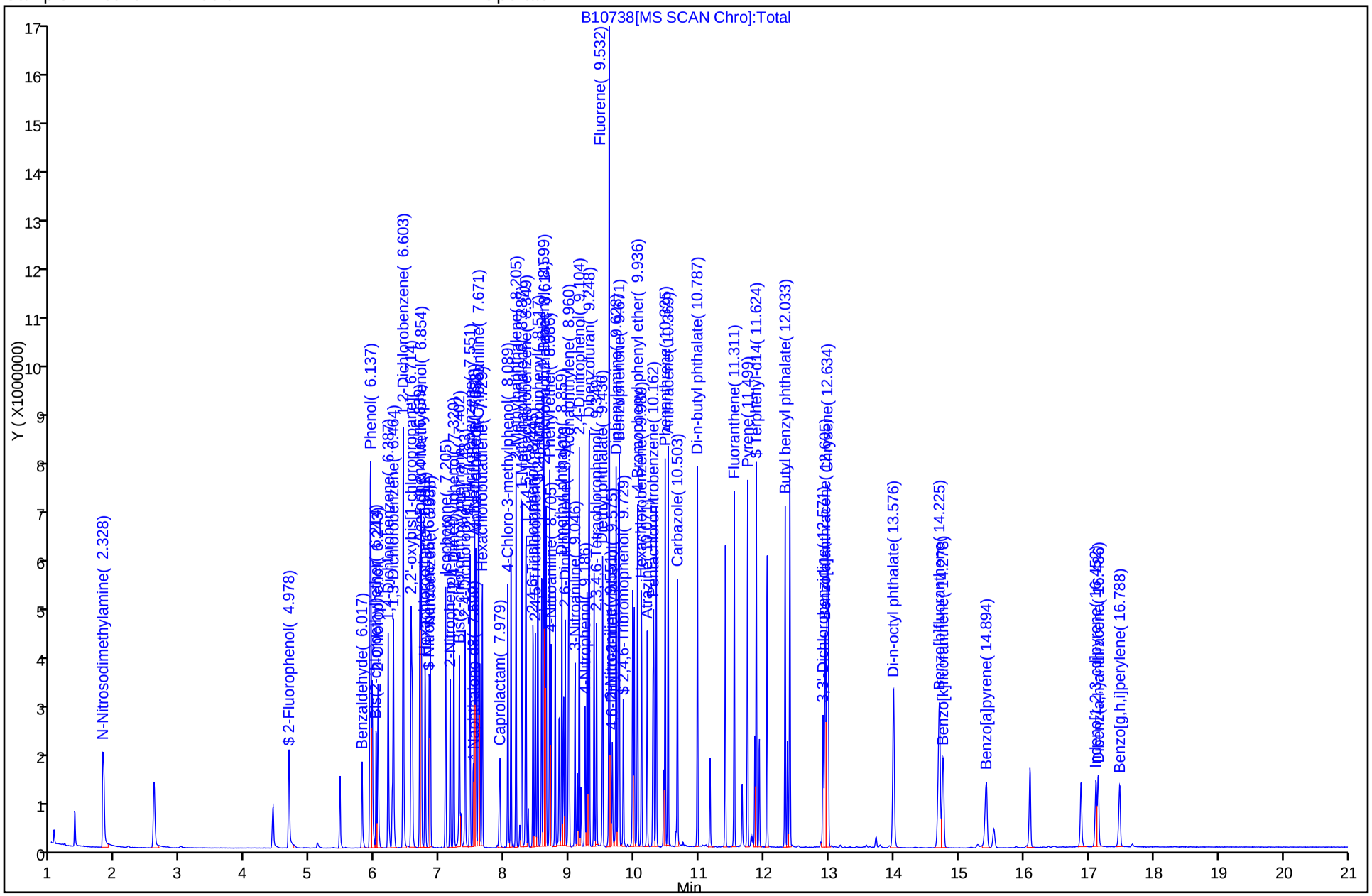
Inj Date: 05-Oct-2009 18:32:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49953 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: 8.0 ug/ml

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10739.D		
Lims ID:	std10	Client ID:	
Inject. Date:	05-Oct-2009 18:59:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	10.0 ug/ml		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49953	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 13:47:32	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		
Reviewed By:	sullivanp	Date:	07-Oct-2009 12:07:29
Reviewed By:	weigelb	Date:	29-Oct-2009 16:09:21

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.446	6.450	-0.004	221421	2.00	
* 2 Naphthalene-d8	136	7.596	7.594	0.002	525565	2.00	
* 3 Acenaphthene-d10	164	9.077	9.076	0.001	250442	2.00	
* 4 Phenanthrene-d10	188	10.308	10.307	0.001	420751	2.00	
* 5 Chrysene-d12	240	12.616	12.610	0.006	406647	2.00	
* 6 Perylene-d12	264	15.001	15.000	0.001	234779	2.00	
$ 7 2-Fluorophenol	112	4.980	4.983	-0.003	719550	11.3	
$ 8 Phenol-d5	99	6.134	6.128	0.006	1134854	12.8	
$ 9 Nitrobenzene-d5	82	6.970	6.969	0.001	1103817	10.8	
$ 10 2-Fluorobiphenyl	172	8.519	8.513	0.006	2119556	11.1	
$ 11 2,4,6-Tribromophenol	330	9.736	9.730	0.006	207665	10.5	
$ 12 Terphenyl-d14	244	11.625	11.624	0.001	1784062	10.1	
14 1,4-Dioxane	88	1.926	1.949	-0.023	260139	9.90	
16 Pyridine	79	2.325	2.353	-0.028	694971	10.1	
15 N-Nitrosodimethylamine	42	2.344	2.358	-0.014	767388	11.2	
17 Benzaldehyde	105	6.018	6.017	0.001	353234	11.2	
19 Aniline	93	6.139	6.133	0.006	1459710	13.1	5
18 Phenol	94	6.148	6.142	0.006	1320234	12.7	5
20 Bis(2-chloroethyl)ether	93	6.220	6.214	0.006	767329	11.6	5
21 2-Chlorophenol	128	6.244	6.243	0.001	889190	11.5	5
22 1,4-Dichlorobenzene	146	6.389	6.387	0.002	1069444	11.1	5
23 1,3-Dichlorobenzene	146	6.461	6.464	-0.003	1125515	11.1	5
24 Benzyl alcohol	79	6.600	6.599	0.001	996820	10.3	
25 1,2-Dichlorobenzene	146	6.605	6.604	0.001	1132789	12.0	5
26 2-Methylphenol	108	6.716	6.710	0.006	827232	11.9	5
27 2,2'-oxybis[1-chloropropane]	45	6.730	6.729	0.001	1460285	10.9	5
30 Acetophenone	105	6.841	6.835	0.006	1291211	12.2	5
29 N-Nitrosodi-n-propylamine	70	6.855	6.844	0.011	761263	12.7	5
28 3 & 4 Methylphenol	108	6.860	6.854	0.006	932759	12.7	5
31 Hexachloroethane	117	6.913	6.912	0.001	464032	11.6	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	6.990	6.984	0.006	1089797	10.7	
33 Isophorone	82	7.206	7.200	0.006	1808135	11.3	
34 2-Nitrophenol	139	7.273	7.267	0.006	483818	9.92	
35 2,4-Dimethylphenol	107	7.322	7.320	0.002	977703	11.2	
37 Bis(2-chloroethoxy)methane	93	7.403	7.397	0.006	949385	10.7	
36 Benzoic acid	105	7.432	7.403	0.029	399708	10.4	M
38 2,4-Dichlorophenol	162	7.485	7.479	0.006	755857	11.1	
39 1,2,4-Trichlorobenzene	180	7.552	7.551	0.001	869490	10.8	
41 Naphthalene	128	7.615	7.614	0.001	2786387	10.8	
40 Alpha-Terpineol	59	7.634	7.628	0.006	916898	11.0	
42 4-Chloroaniline	127	7.673	7.667	0.006	1247973	12.4	5
43 Hexachlorobutadiene	225	7.730	7.729	0.001	498953	10.7	
44 Caprolactam	55	7.985	7.950	0.035	407312	11.3	
45 4-Chloro-3-methylphenol	107	8.091	8.085	0.006	872389	11.5	
46 2-Methylnaphthalene	142	8.206	8.205	0.001	1952777	10.9	
47 1-Methylnaphthalene	142	8.293	8.287	0.006	1905973	11.1	
48 Hexachlorocyclopentadiene	237	8.341	8.340	0.001	357207	10.0	
49 1,2,4,5-Tetrachlorobenzene	216	8.351	8.349	0.002	788723	11.7	5
50 2,4,6-Trichlorophenol	196	8.447	8.446	0.001	509270	9.36	
51 2,4,5-Trichlorophenol	196	8.480	8.474	0.006	530129	9.30	
52 1,1'-Biphenyl	154	8.601	8.595	0.006	2303321	11.3	
53 2-Chloronaphthalene	162	8.615	8.614	0.001	2202034	10.0	
54 Phenyl ether	170	8.687	8.686	0.001	1176639	11.0	
68 4-Nitroaniline	138	8.706	8.700	0.006	592630	9.90	
56 Dimethyl phthalate	163	8.860	8.849	0.011	2002598	10.9	
57 2,6-Dinitrotoluene	165	8.908	8.902	0.006	429995	11.2	
58 Acenaphthylene	152	8.961	8.955	0.006	2970693	11.6	
59 3-Nitroaniline	138	9.048	9.042	0.006	443256	11.2	
61 Acenaphthene	153	9.106	9.104	0.002	1915311	11.3	
60 2,4-Dinitrophenol	184	9.134	9.128	0.006	122671	10.2	
62 4-Nitrophenol	109	9.192	9.181	0.011	372658	9.94	
63 2,4-Dinitrotoluene	165	9.245	9.234	0.011	657475	10.9	5
64 Dibenzofuran	168	9.250	9.244	0.006	2629237	11.7	
65 2,3,4,6-Tetrachlorophenol	232	9.356	9.350	0.006	395827	10.3	5
66 Diethyl phthalate	149	9.437	9.431	0.006	2182165	10.9	
67 4-Chlorophenyl phenyl ether	204	9.529	9.528	0.001	1152098	10.3	
69 Fluorene	166	9.534	9.528	0.006	2538768	10.5	
55 2-Nitroaniline	65	9.553	9.542	0.011	491582	9.68	
70 4,6-Dinitro-2-methylphenol	198	9.582	9.571	0.011	193681	10.4	
72 N-Nitrosodiphenylamine	169	9.630	9.624	0.006	1801759	11.3	
71 Diphenylamine	169	9.630	9.624	0.006	1801759	11.3	
74 Azobenzene	77	9.663	9.663	0.000	3915381	11.2	
73 1,2-Diphenylhydrazine	77	9.663	9.663	0.000	3915381	11.2	
13 Benzophenone	105	9.678	9.667	0.011	2100598	11.5	
75 4-Bromophenyl phenyl ether	248	9.937	9.931	0.006	498754	11.6	5
76 Hexachlorobenzene	284	9.990	9.989	0.001	473551	11.7	5
77 Atrazine	200	10.072	10.066	0.006	430404	11.1	
78 Pentachlorophenol	266	10.154	10.156	-0.002	238483	9.96	
79 Pentachloronitrobenzene	237	10.168	10.162	0.006	282619	9.22	
80 Phenanthrene	178	10.327	10.326	0.001	2807787	11.1	
81 Anthracene	178	10.370	10.364	0.006	2797589	11.7	
83 Carbazole	167	10.505	10.499	0.006	2261915	10.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	10.789	10.783	0.006	3540664	11.2	
87 Fluoranthene	202	11.313	11.307	0.006	2700697	11.6	
86 Benzidine	184	11.423	11.430	-0.007	510016	10.2	
85 Pyrene	202	11.500	11.494	0.006	2860854	9.84	
89 Butyl benzyl phthalate	149	12.034	12.033	0.001	1579767	10.6	
91 3,3'-Dichlorobenzidine	252	12.578	12.567	0.011	599726	11.2	
93 Benzo[a]anthracene	228	12.606	12.596	0.010	2055525	10.2	
92 Bis(2-ethylhexyl) phthalate	149	12.630	12.629	0.001	2346406	10.8	
94 Chrysene	228	12.650	12.639	0.011	2083026	10.3	
95 Di-n-octyl phthalate	149	13.578	13.572	0.006	3062888	8.99	
97 Benzo[b]fluoranthene	252	14.237	14.211	0.026	1709996	10.8	
98 Benzo[k]fluoranthene	252	14.285	14.264	0.021	1517189	10.5	
99 Benzo[a]pyrene	252	14.900	14.880	0.020	1275167	9.68	
100 Indeno[1,2,3-cd]pyrene	276	16.453	16.443	0.010	1025652	10.2	
101 Dibenz(a,h)anthracene	278	16.482	16.476	0.006	839689	9.75	
102 Benzo[g,h,i]perylene	276	16.790	16.779	0.011	814338	11.3	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 29-Oct-2009 16:09:22 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10739.D

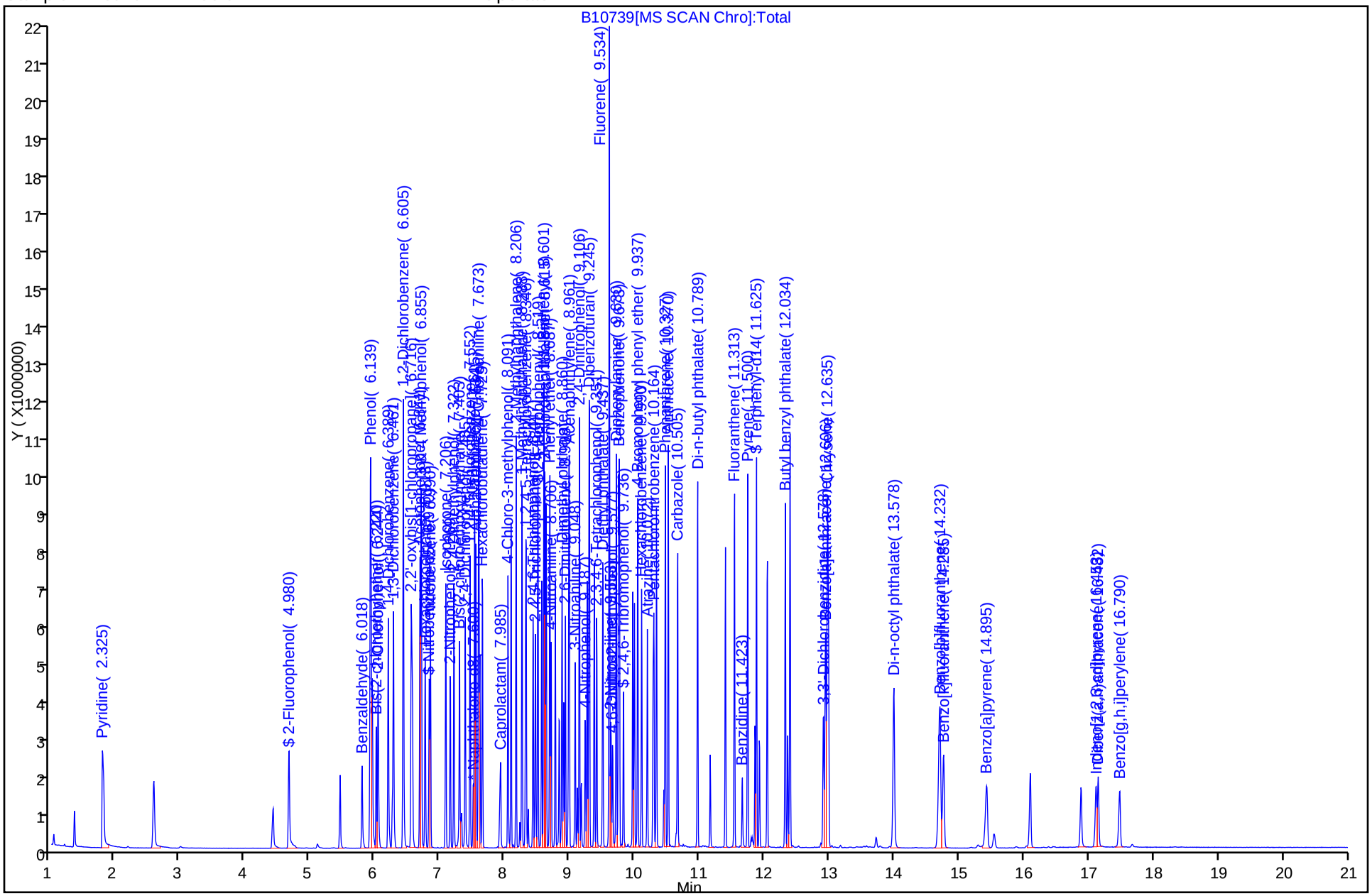
Inj Date: 05-Oct-2009 18:59:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49953 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: 10.0 ug/ml

Sample Amount: 1.00 ul Operator: MZ



User Selected Alternate Hit Report

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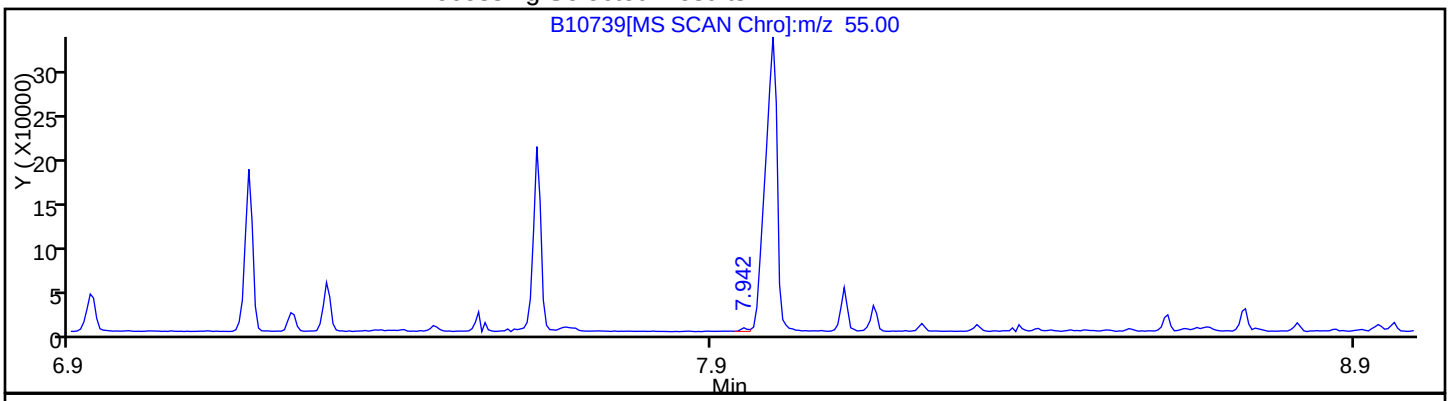
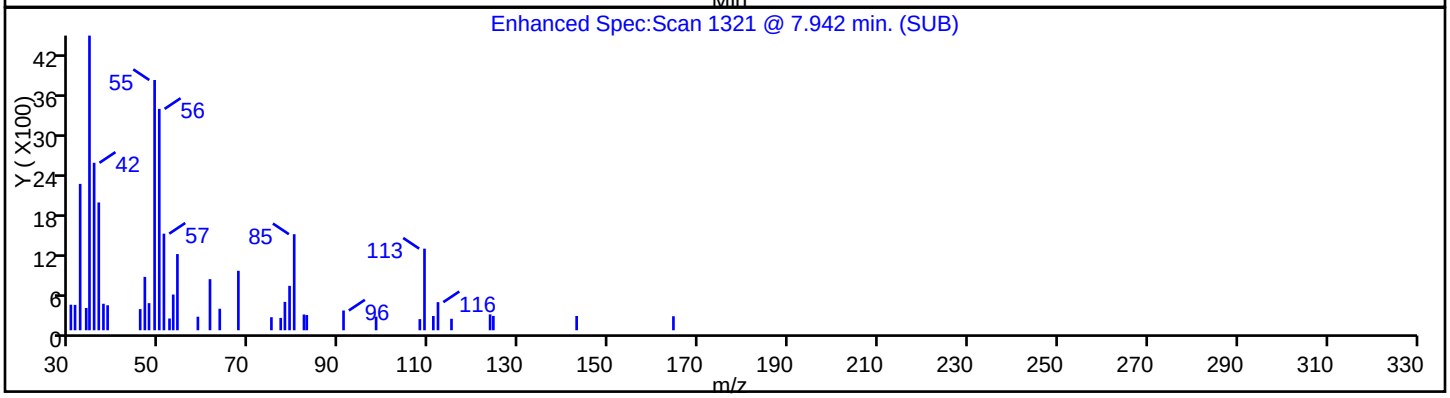
Lims Batch ID:	49953	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	10.0 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

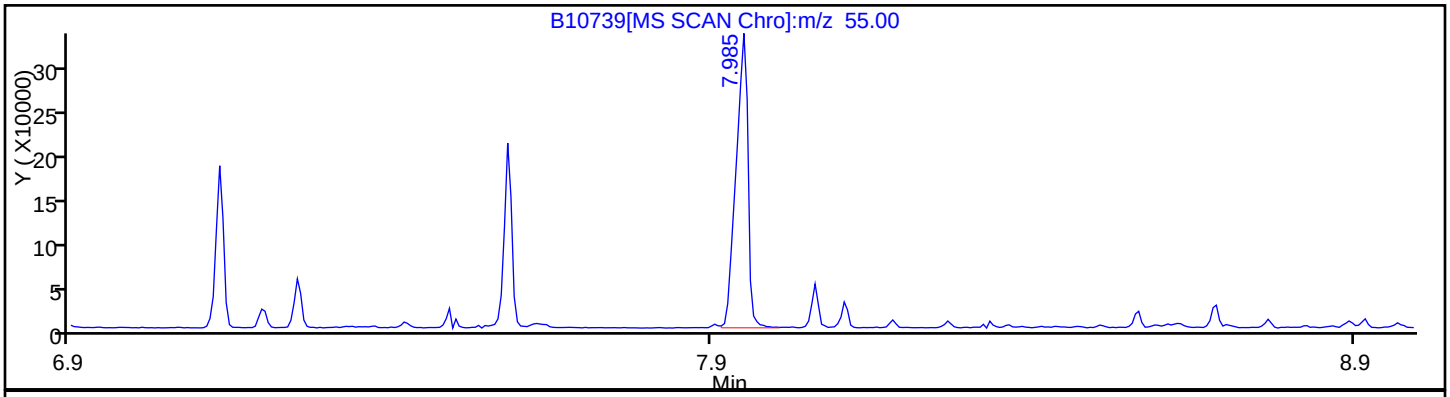
44 Caprolactam

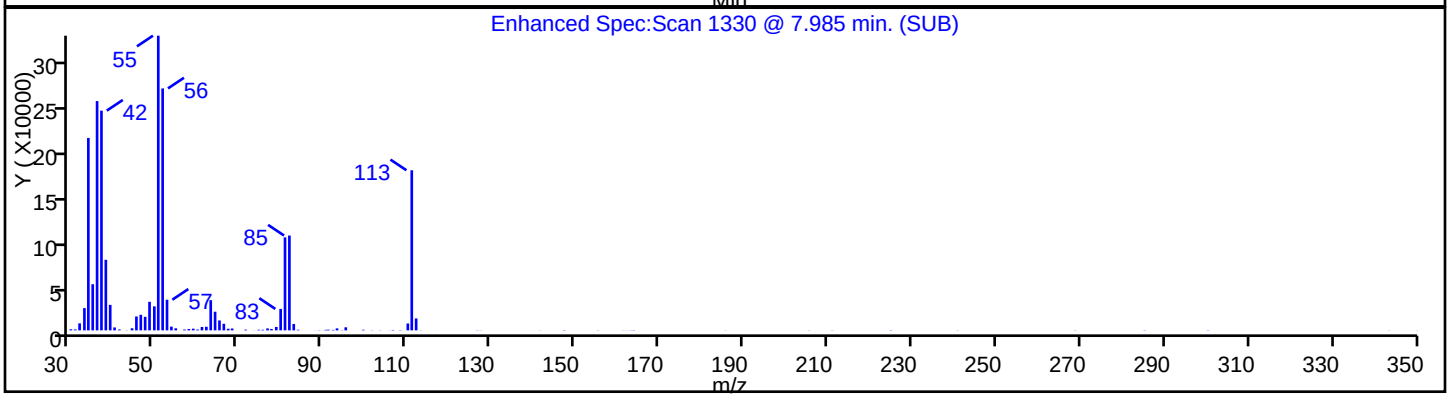
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 07-Oct-2009 12:07:29
Audit Action: Selected Alternate Hit
Audit Reason:

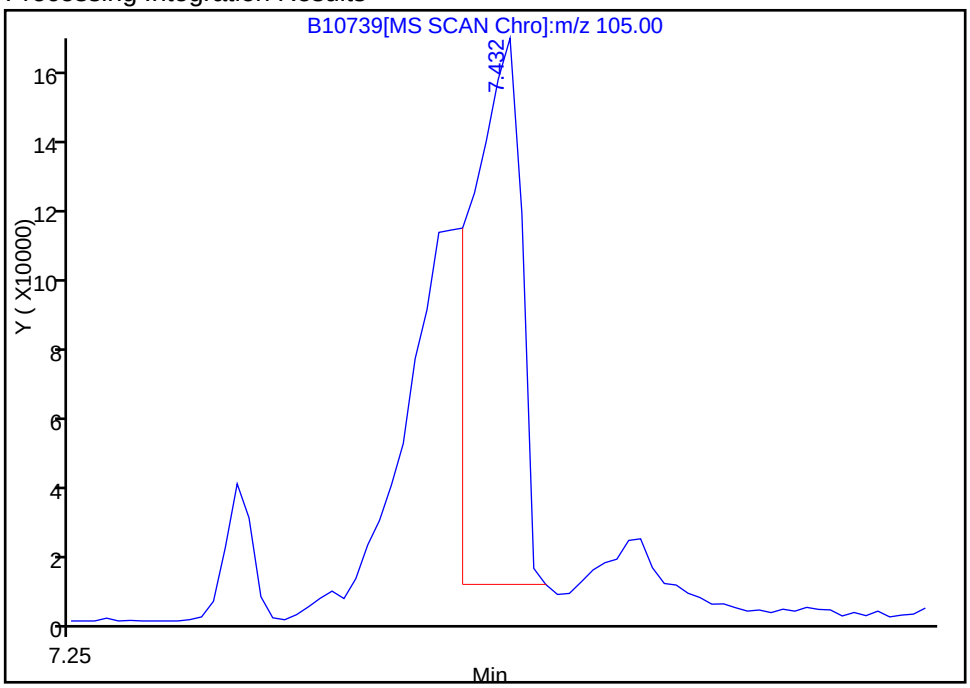
Chrom Revision: 1.1 26-Oct-2009 10:54:26
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10739.D		
Inj Date:	05-Oct-2009 18:59:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	10.0 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.40

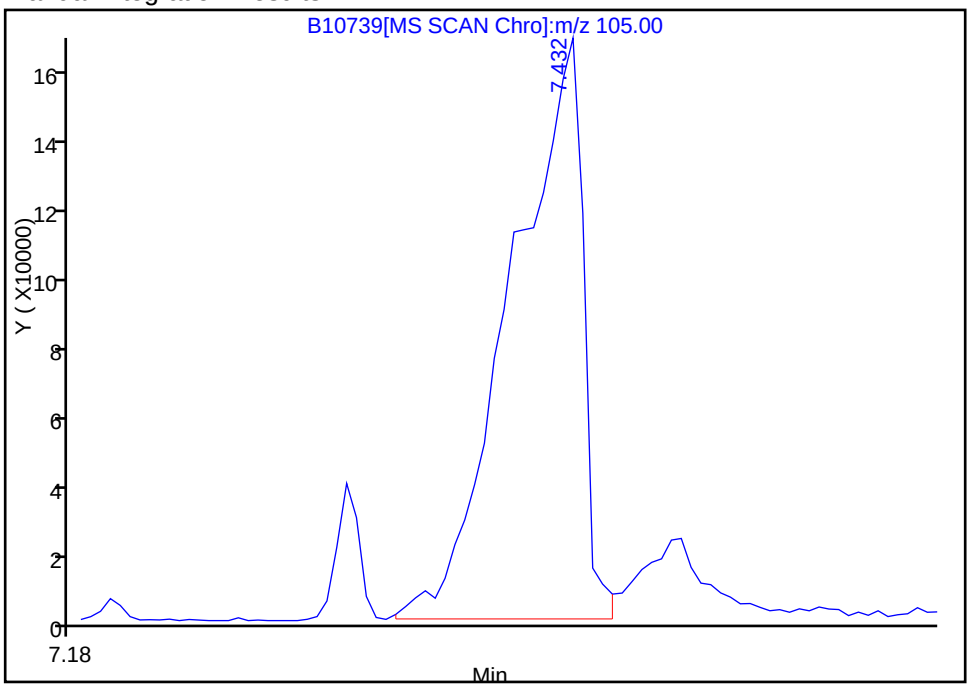
Processing Integration Results

RT: 7.43
Response: 214902
Amount: 11.769524



Manual Integration Results

RT: 7.43
Response: 399708
Amount: 10.368349



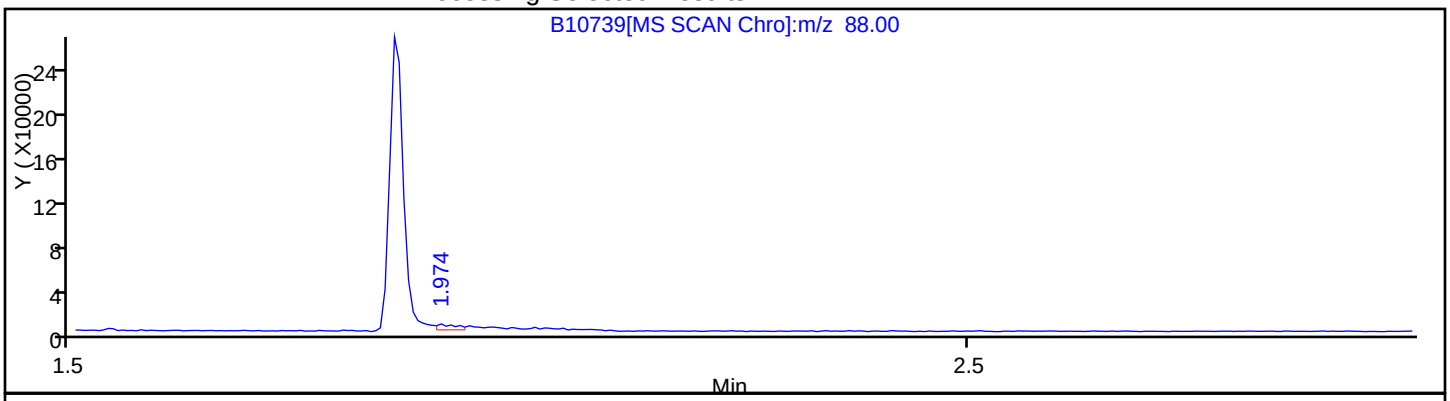
Reviewer: sullivanp, 07-Oct-2009 12:07:29
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

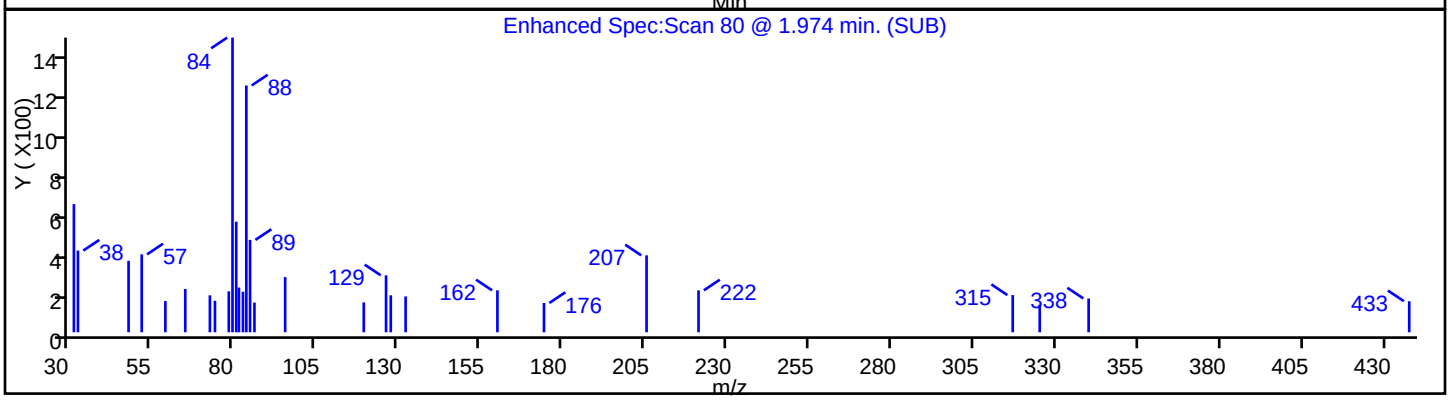
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10739.D		
Inj Date:	05-Oct-2009 18:59:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	10.0 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

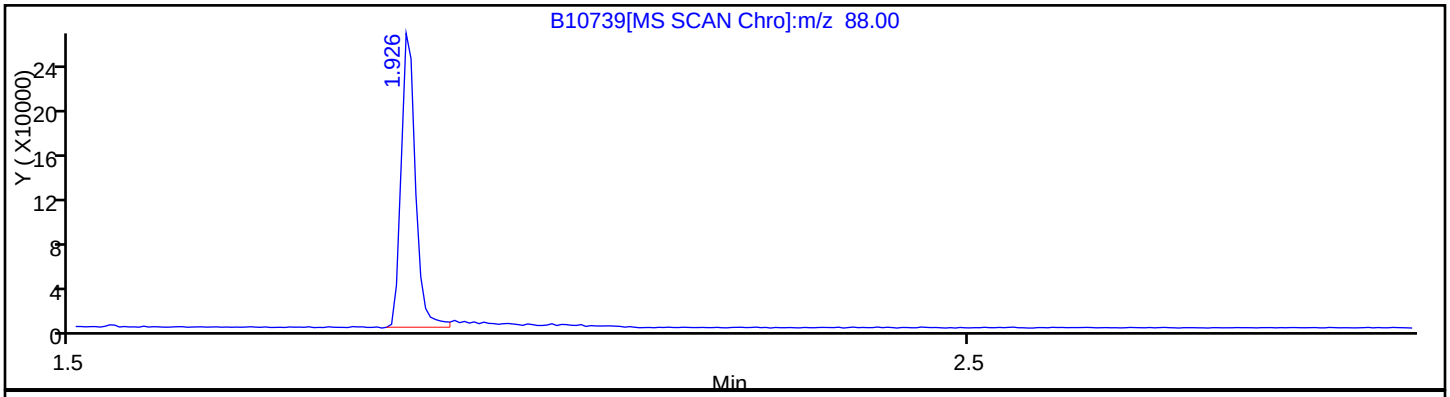
14 1,4-Dioxane

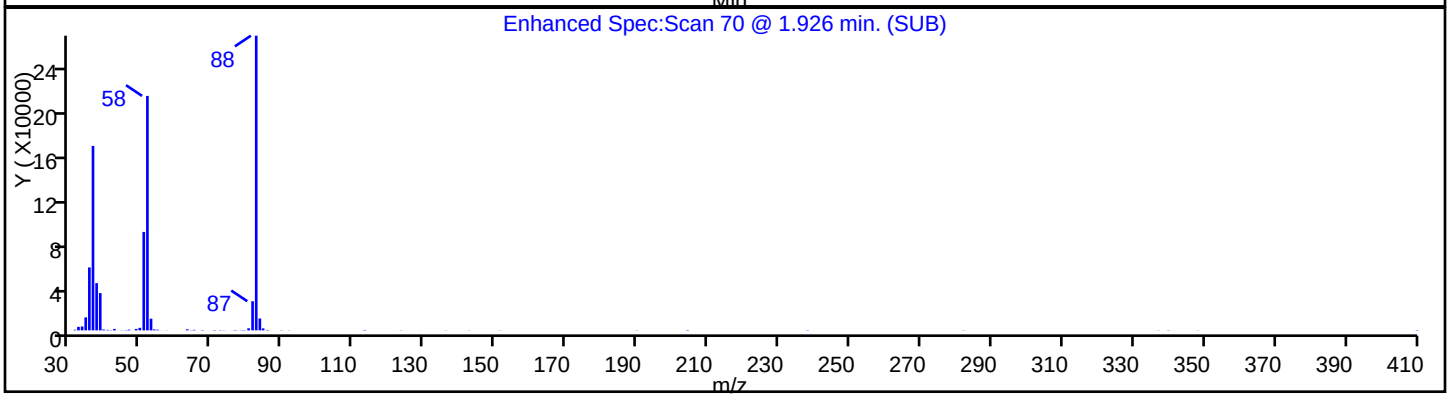
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 07-Oct-2009 12:07:29
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Lims ID:	std20	Client ID:	
Inject. Date:	05-Oct-2009 19:27:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	20.0 ug/ml		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49953	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 13:47:32	Calib Date:	05-Oct-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10739.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WESWEIGEL		

Reviewed By:	sullivanp	Date:	07-Oct-2009 12:07:36
Reviewed By:	weigelb	Date:	29-Oct-2009 16:09:37

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.450	6.450	0.000	207883	2.00	
* 2 Naphthalene-d8	136	7.599	7.594	0.005	572614	2.00	
* 3 Acenaphthene-d10	164	9.080	9.076	0.004	273768	2.00	
* 4 Phenanthrene-d10	188	10.311	10.307	0.004	459257	2.00	
* 5 Chrysene-d12	240	12.624	12.610	0.014	588950	2.00	
* 6 Perylene-d12	264	15.014	15.000	0.014	231680	2.00	
$ 7 2-Fluorophenol	112	4.988	4.983	0.005	1772709	29.7	
$ 8 Phenol-d5	99	6.147	6.128	0.019	3003171	36.0	
$ 9 Nitrobenzene-d5	82	6.979	6.969	0.010	2585433	23.2	
$ 10 2-Fluorobiphenyl	172	8.522	8.513	0.009	4916987	23.6	
$ 11 2,4,6-Tribromophenol	330	9.744	9.730	0.014	626866	28.4	
$ 12 Terphenyl-d14	244	11.629	11.624	0.005	4706061	18.5	
14 1,4-Dioxane	88	1.939	1.949	-0.010	573890	23.3	5
16 Pyridine	79	2.334	2.353	-0.019	1648855	20.0	
15 N-Nitrosodimethylamine	42	2.362	2.358	0.004	1668267	26.0	5
17 Benzaldehyde	105	6.022	6.017	0.005	794799	26.9	5
19 Aniline	93	6.147	6.133	0.014	3762948	35.8	5
18 Phenol	94	6.161	6.142	0.019	3654129	37.6	5
20 Bis(2-chloroethyl)ether	93	6.229	6.214	0.015	1838134	29.5	5
21 2-Chlorophenol	128	6.253	6.243	0.010	2081098	28.6	5
22 1,4-Dichlorobenzene	146	6.392	6.387	0.005	2599350	28.8	5
23 1,3-Dichlorobenzene	146	6.469	6.464	0.005	2723265	28.5	5
24 Benzyl alcohol	79	6.609	6.599	0.010	2483349	20.0	
25 1,2-Dichlorobenzene	146	6.609	6.604	0.005	2959402	33.3	5
26 2-Methylphenol	108	6.719	6.710	0.009	2126467	32.7	5
27 2,2'-oxybis[1-chloropropane]	45	6.734	6.729	0.005	3479971	27.6	5
30 Acetophenone	105	6.849	6.835	0.014	3112468	31.4	5
29 N-Nitrosodi-n-propylamine	70	6.868	6.844	0.024	1955916	34.6	5
28 3 & 4 Methylphenol	108	6.873	6.854	0.019	2533422	36.8	5
31 Hexachloroethane	117	6.916	6.912	0.004	1106945	29.4	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	6.998	6.984	0.014	2589976	23.4	5
33 Isophorone	82	7.219	7.200	0.019	4136427	23.7	5
34 2-Nitrophenol	139	7.277	7.267	0.010	1167634	21.9	5
35 2,4-Dimethylphenol	107	7.330	7.320	0.010	2320318	24.4	5
37 Bis(2-chloroethoxy)methane	93	7.412	7.397	0.015	2376261	24.6	5
36 Benzoic acid	105	7.479	7.403	0.076	1120291	19.9	M
38 2,4-Dichlorophenol	162	7.493	7.479	0.014	1903587	25.6	5
39 1,2,4-Trichlorobenzene	180	7.556	7.551	0.005	2189815	24.9	5
41 Naphthalene	128	7.623	7.614	0.009	5843297	20.9	5
40 Alpha-Terpineol	59	7.642	7.628	0.014	2235623	24.7	5
42 4-Chloroaniline	127	7.681	7.667	0.014	3269420	29.7	5
43 Hexachlorobutadiene	225	7.734	7.729	0.005	1318765	26.0	5
44 Caprolactam	55	8.022	7.950	0.072	910432	23.3	5
45 4-Chloro-3-methylphenol	107	8.104	8.085	0.019	2107172	25.5	5
46 2-Methylnaphthalene	142	8.210	8.205	0.005	4643483	23.9	5
47 1-Methylnaphthalene	142	8.296	8.287	0.009	4499979	24.0	5
48 Hexachlorocyclopentadiene	237	8.345	8.340	0.005	997241	20.0	
49 1,2,4,5-Tetrachlorobenzene	216	8.354	8.349	0.005	2174263	29.7	5
50 2,4,6-Trichlorophenol	196	8.455	8.446	0.009	1269681	20.7	5
51 2,4,5-Trichlorophenol	196	8.489	8.474	0.015	1336482	20.8	5
52 1,1'-Biphenyl	154	8.609	8.595	0.014	5095411	22.9	5
53 2-Chloronaphthalene	162	8.623	8.614	0.009	5924403	20.0	5
54 Phenyl ether	170	8.691	8.686	0.005	2947332	25.3	5
68 4-Nitroaniline	138	8.715	8.700	0.015	1409656	21.4	5
56 Dimethyl phthalate	163	8.874	8.849	0.025	4554931	22.6	5
57 2,6-Dinitrotoluene	165	8.917	8.902	0.015	1059197	25.2	5
58 Acenaphthylene	152	8.970	8.955	0.015	6325406	22.5	5
59 3-Nitroaniline	138	9.061	9.042	0.019	1052941	24.4	5
61 Acenaphthene	153	9.114	9.104	0.010	4482073	24.1	5
60 2,4-Dinitrophenol	184	9.143	9.128	0.015	371067	20.0	
62 4-Nitrophenol	109	9.205	9.181	0.024	894125	21.5	5
63 2,4-Dinitrotoluene	165	9.253	9.234	0.019	1864555	28.2	5
64 Dibenzofuran	168	9.258	9.244	0.014	5801363	23.6	5
65 2,3,4,6-Tetrachlorophenol	232	9.359	9.350	0.009	1074527	25.2	5
66 Diethyl phthalate	149	9.446	9.431	0.015	5025170	23.0	5
67 4-Chlorophenyl phenyl ether	204	9.537	9.528	0.009	3041058	20.0	
69 Fluorene	166	9.537	9.528	0.009	5567464	21.0	5
55 2-Nitroaniline	65	9.571	9.542	0.029	1181816	21.3	5
70 4,6-Dinitro-2-methylphenol	198	9.595	9.571	0.024	544544	19.9	
72 N-Nitrosodiphenylamine	169	9.638	9.624	0.014	4283973	24.5	5
71 Diphenylamine	169	9.638	9.624	0.014	4283973	24.5	5
74 Azobenzene	77	9.667	9.663	0.004	8533792	22.4	5M
73 1,2-Diphenylhydrazine	77	9.667	9.663	0.004	8523165	22.3	5M
13 Benzophenone	105	9.686	9.667	0.019	5072180	25.5	5
75 4-Bromophenyl phenyl ether	248	9.941	9.931	0.010	1449611	30.8	5
76 Hexachlorobenzene	284	9.999	9.989	0.010	1356532	30.8	5
77 Atrazine	200	10.085	10.066	0.019	1068174	25.2	5
78 Pentachlorophenol	266	10.162	10.156	0.006	759774	20.0	
79 Pentachloronitrobenzene	237	10.172	10.162	0.010	726810	20.9	5
80 Phenanthrene	178	10.335	10.326	0.009	6206169	22.6	5
81 Anthracene	178	10.379	10.364	0.015	6064956	23.2	5
83 Carbazole	167	10.509	10.499	0.009	5346529	23.7	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	10.792	10.783	0.009	6922282	20.0	5
87 Fluoranthene	202	11.316	11.307	0.009	6146677	24.2	5
86 Benzidine	184	11.427	11.430	-0.003	1442795	20.0	
85 Pyrene	202	11.509	11.494	0.015	6310892	15.0	
89 Butyl benzyl phthalate	149	12.038	12.033	0.005	3864754	17.9	
91 3,3'-Dichlorobenzidine	252	12.586	12.567	0.019	1589088	20.4	5
93 Benzo[a]anthracene	228	12.615	12.596	0.019	5398171	18.5	
92 Bis(2-ethylhexyl) phthalate	149	12.639	12.629	0.010	5863532	18.6	
94 Chrysene	228	12.658	12.639	0.019	5237919	17.9	
95 Di-n-octyl phthalate	149	13.586	13.572	0.014	7302895	20.9	5
97 Benzo[b]fluoranthene	252	14.259	14.211	0.048	4212583	26.8	5
98 Benzo[k]fluoranthene	252	14.307	14.264	0.043	3424464	24.0	5
99 Benzo[a]pyrene	252	14.918	14.880	0.038	2822594	21.6	5
100 Indeno[1,2,3-cd]pyrene	276	16.467	16.443	0.024	2078586	20.4	5
101 Dibenz(a,h)anthracene	278	16.495	16.476	0.019	1783580	20.4	5
102 Benzo[g,h,i]perylene	276	16.803	16.779	0.024	1587353	22.4	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 29-Oct-2009 16:09:37 Chrom Revision: 1.1 26-Oct-2009 10:54:26

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D

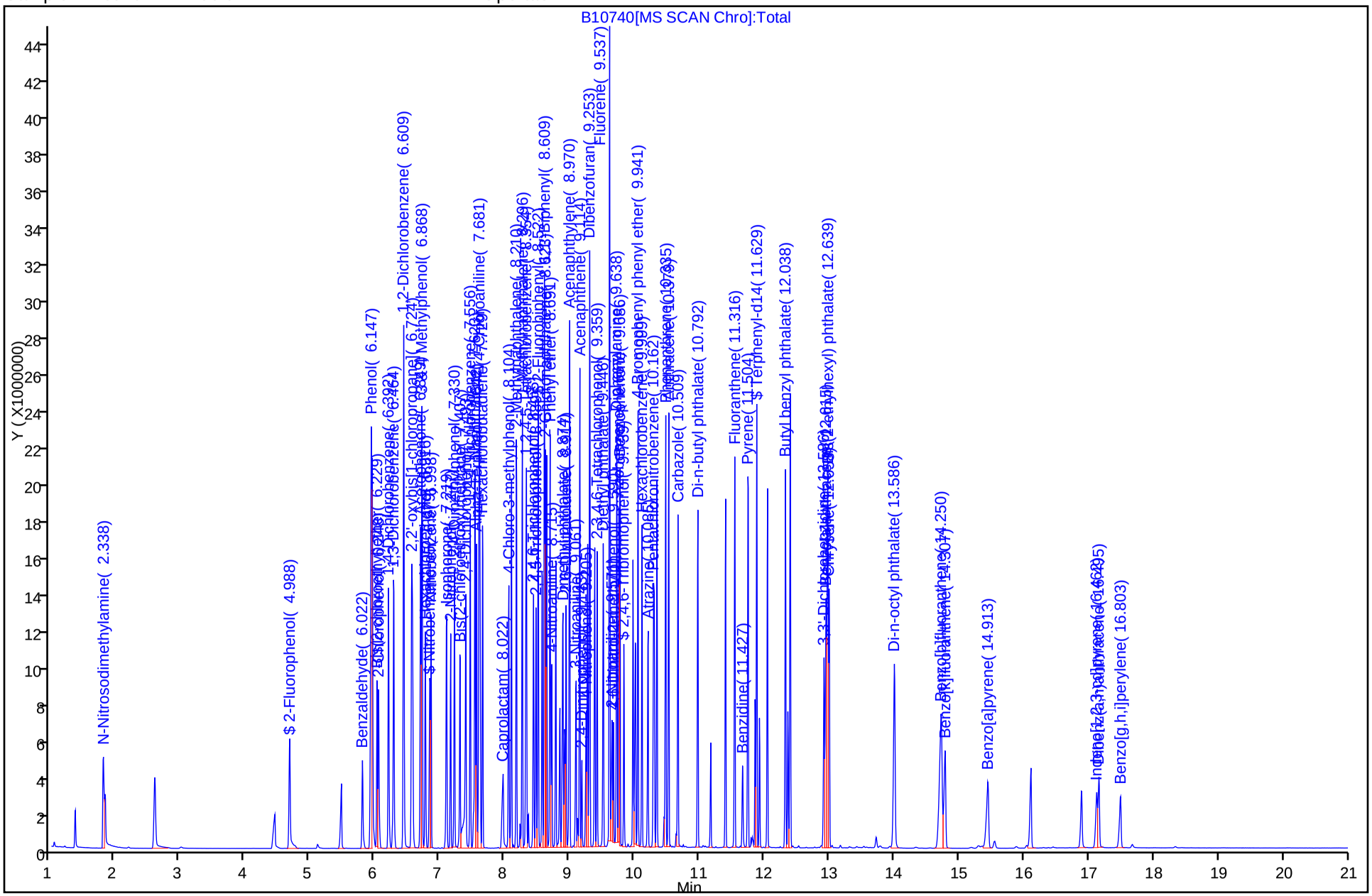
Inj Date: 05-Oct-2009 19:27:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49953 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: 20.0 ug/ml

Sample Amount: 1.00 ul Operator: MZ

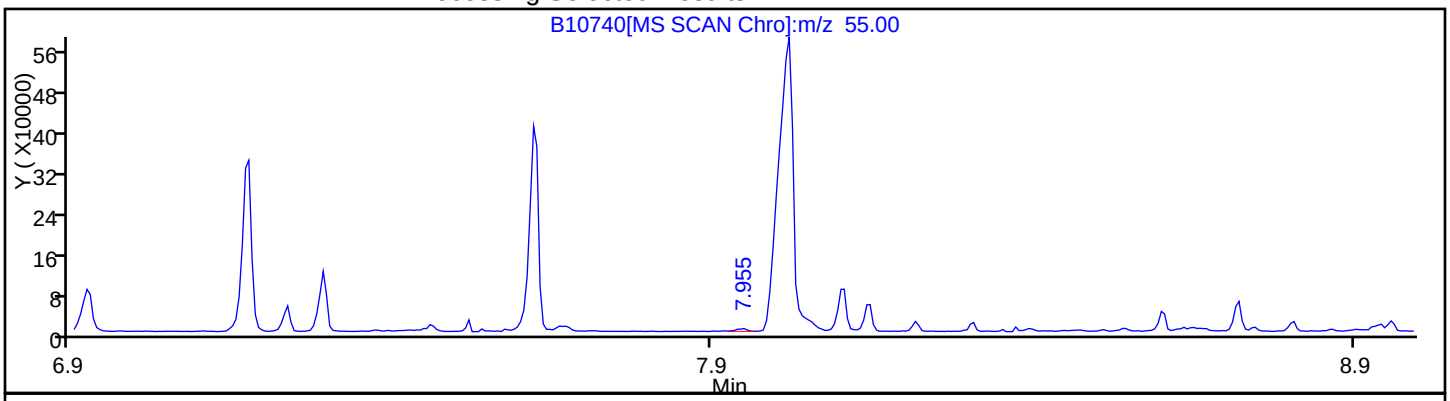


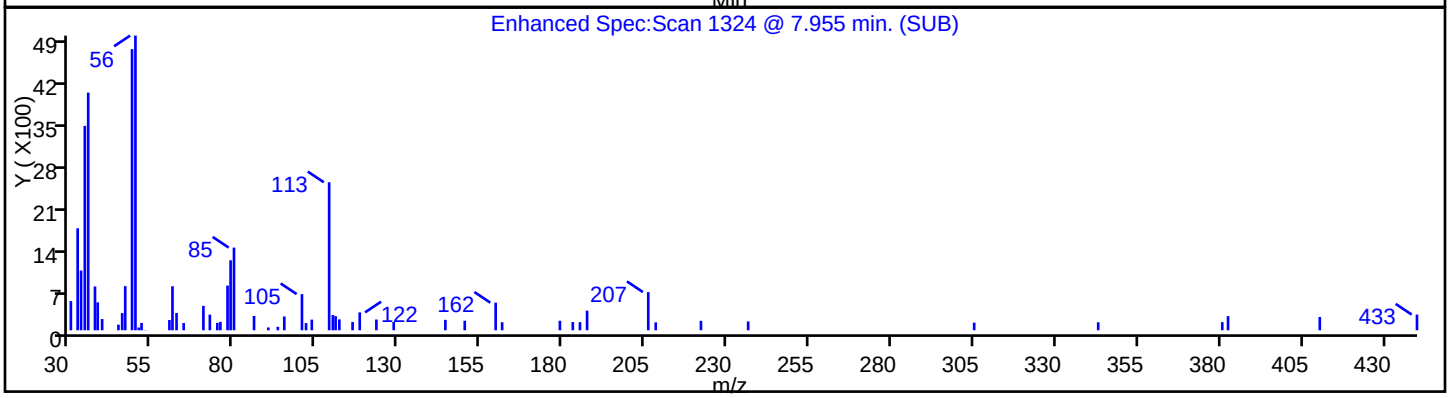
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Inj Date:	05-Oct-2009 19:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	20.0 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

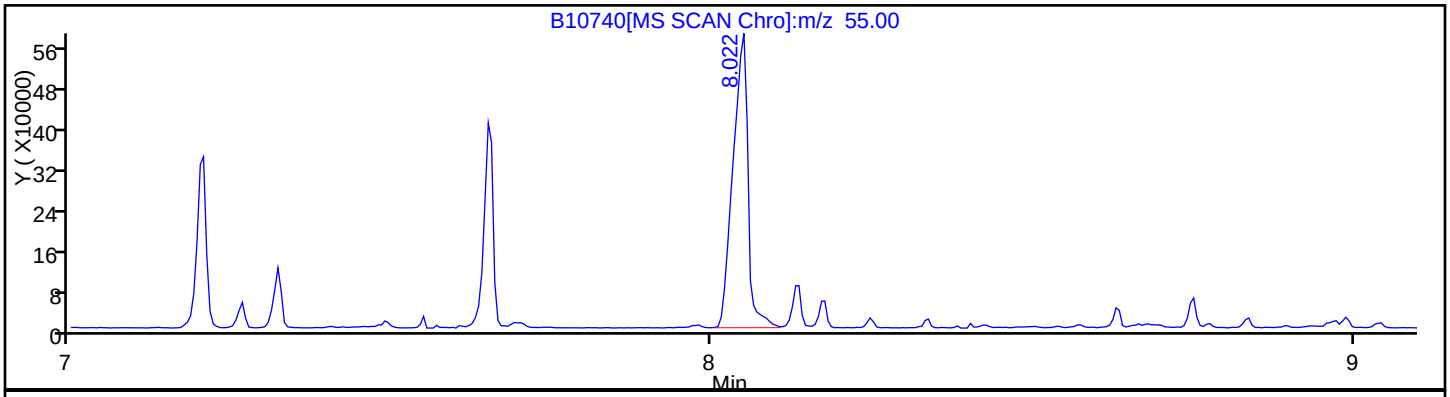
44 Caprolactam

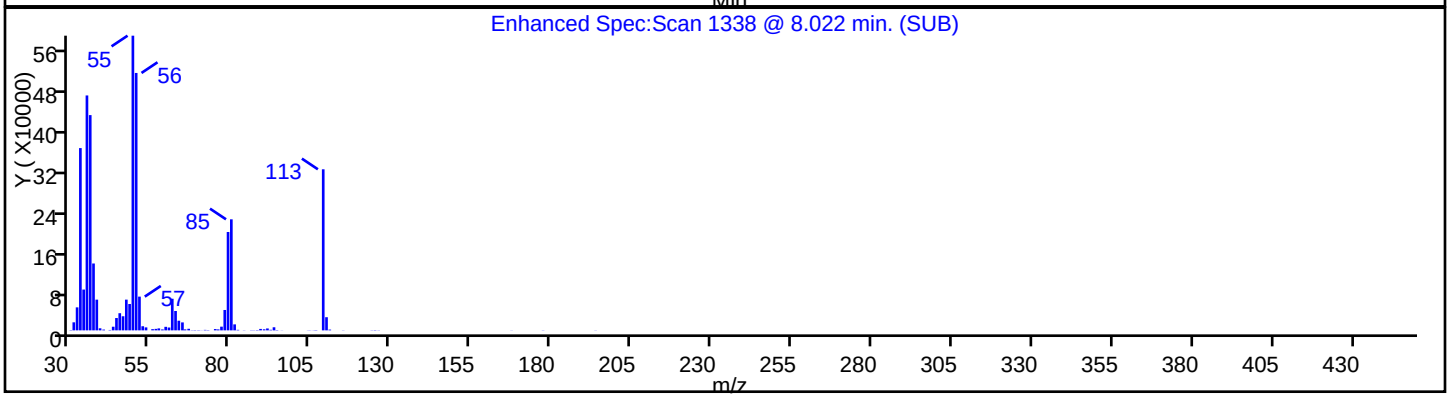
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 07-Oct-2009 12:07:36
Audit Action: Selected Alternate Hit
Audit Reason:

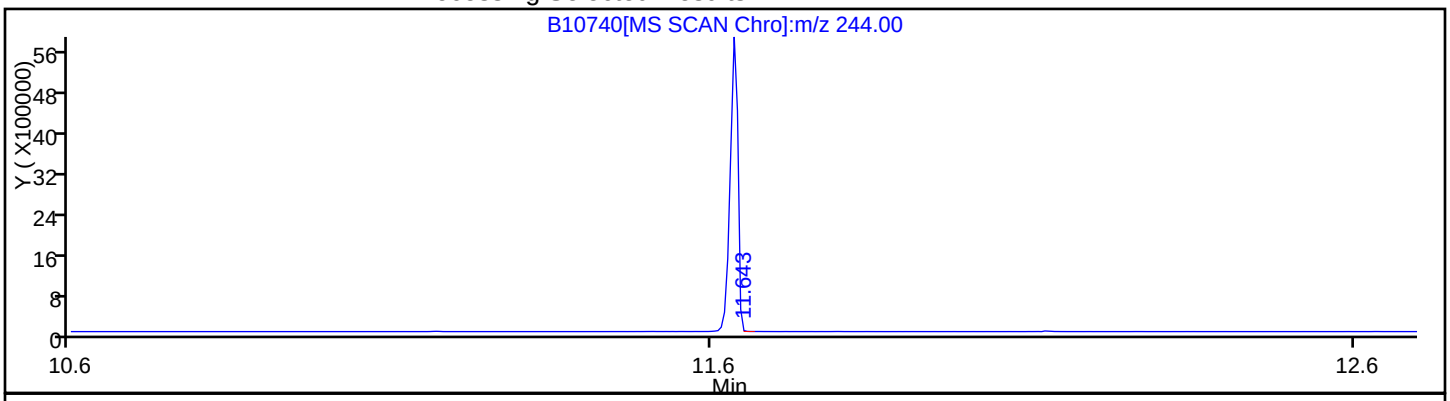
Chrom Revision: 1.1 26-Oct-2009 10:54:26

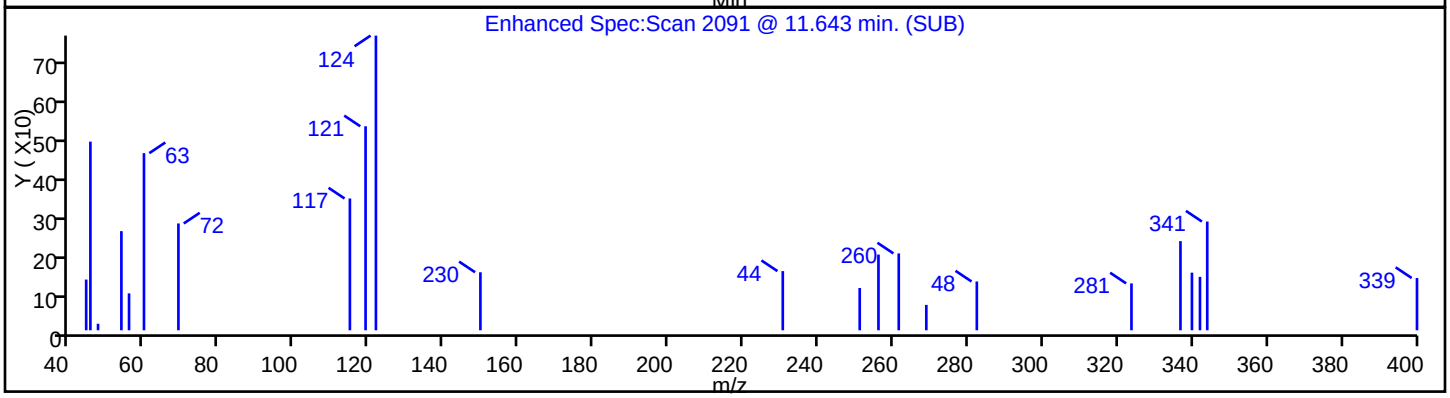
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Inj Date:	05-Oct-2009 19:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	20.0 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

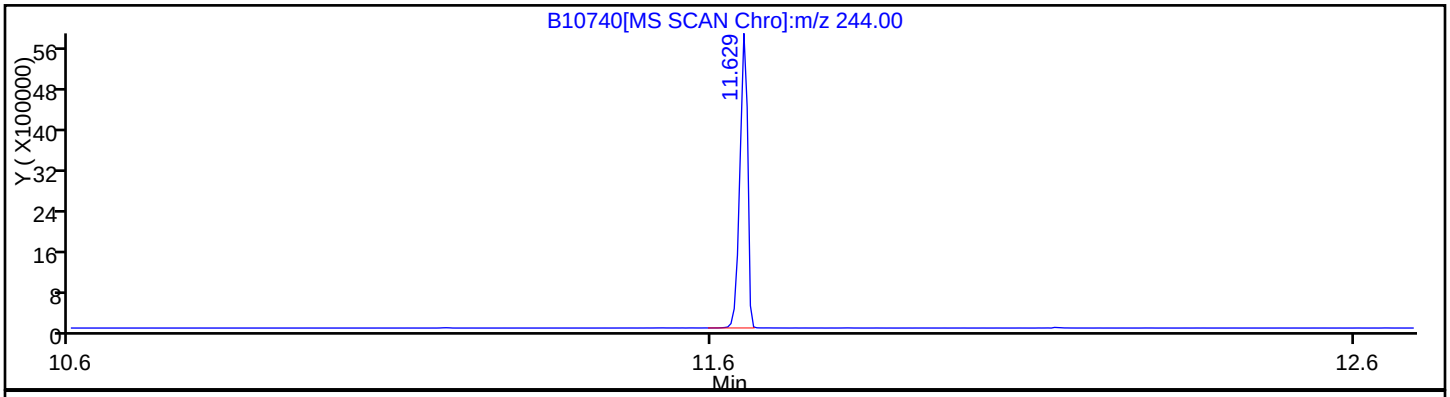
$ 12 Terphenyl-d14

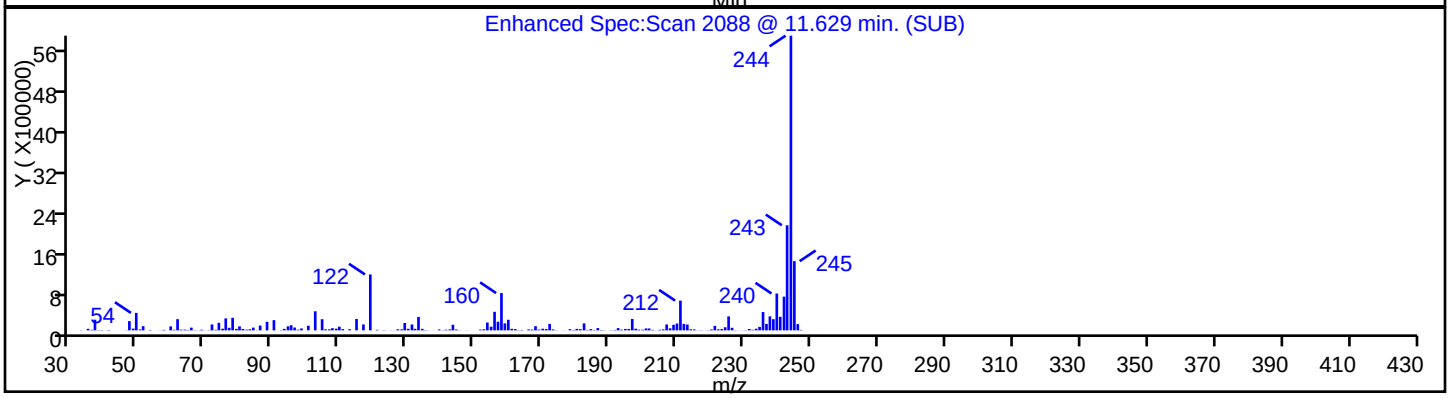
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 07-Oct-2009 12:07:36

Audit Action: Selected Alternate Hit

Audit Reason:

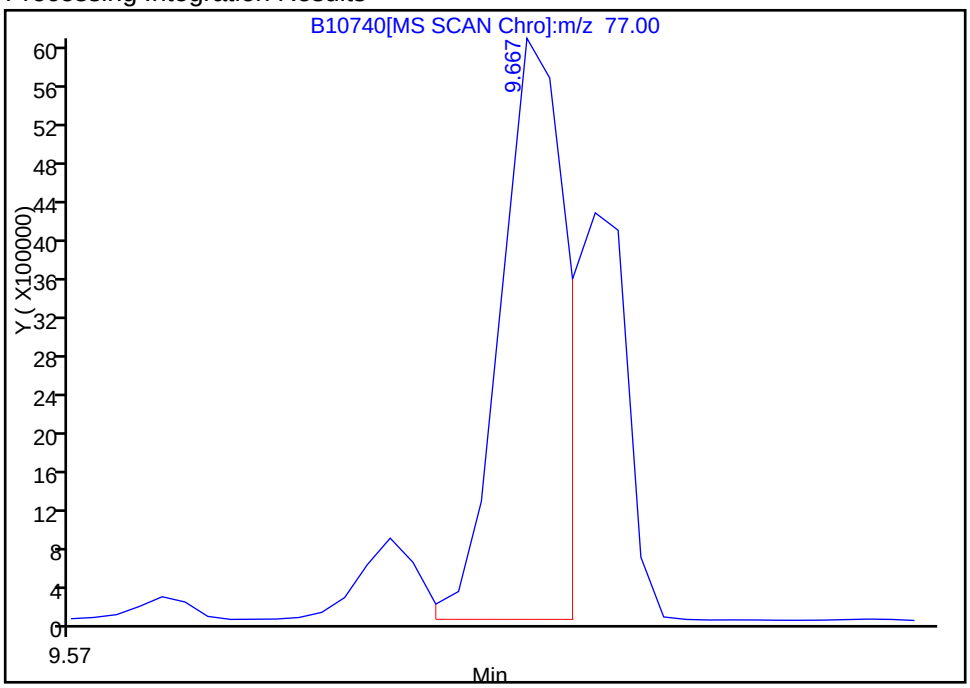
Chrom Revision: 1.1 26-Oct-2009 10:54:26
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Inj Date:	05-Oct-2009 19:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	20.0 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

74 Azobenzene, Number: 1, m/z: 77 Type: quant, RT: 9.66

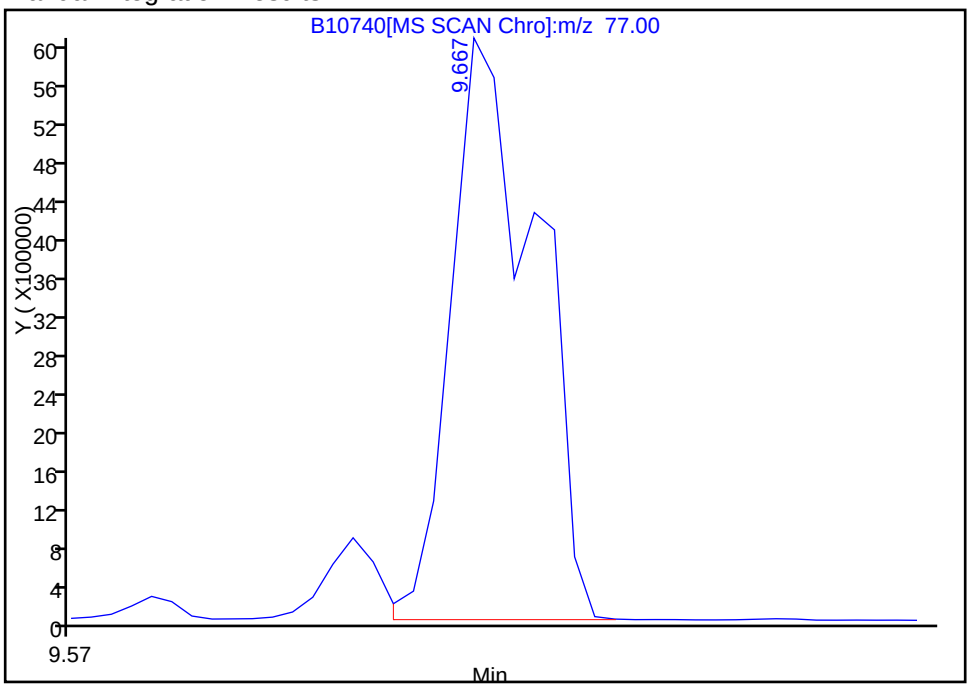
Processing Integration Results

RT: 9.67
Response: 5926980
Amount: 16.146781



Manual Integration Results

RT: 9.67
Response: 8533792
Amount: 22.366051



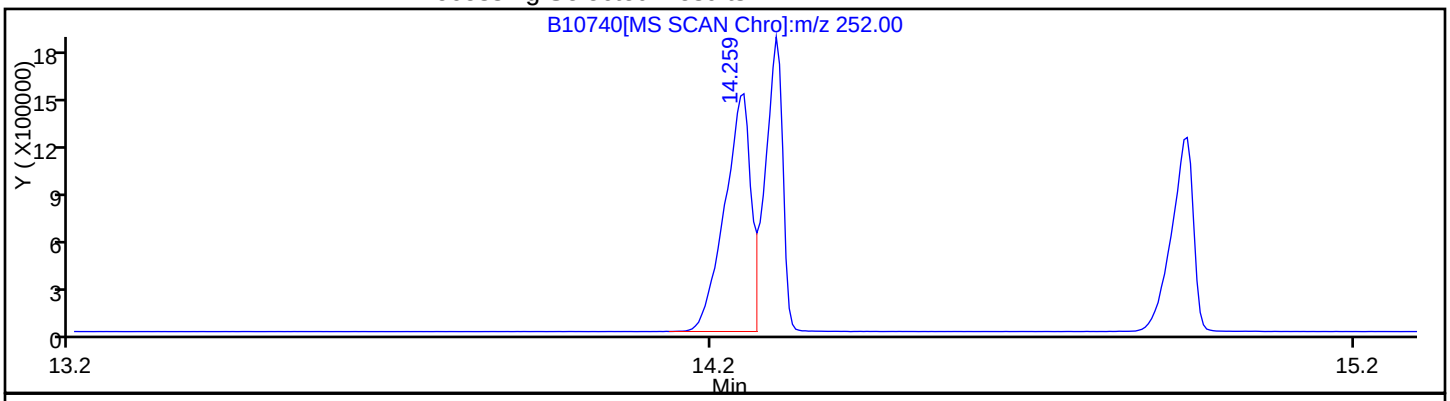
Reviewer: sullivanp, 07-Oct-2009 12:07:36
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

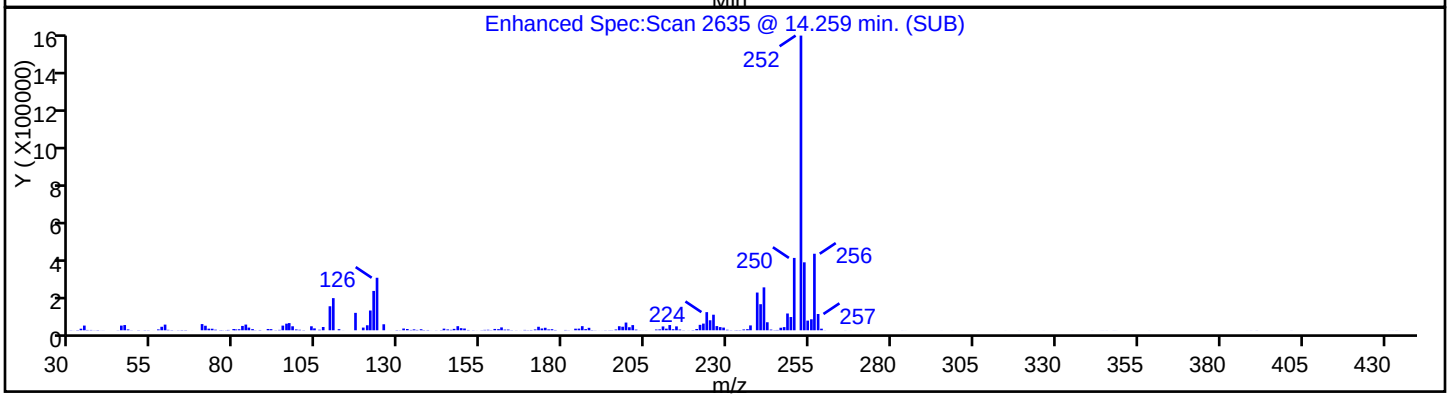
Chrom Revision: 1.1 26-Oct-2009 10:54:26
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Inj Date:	05-Oct-2009 19:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	20.0 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

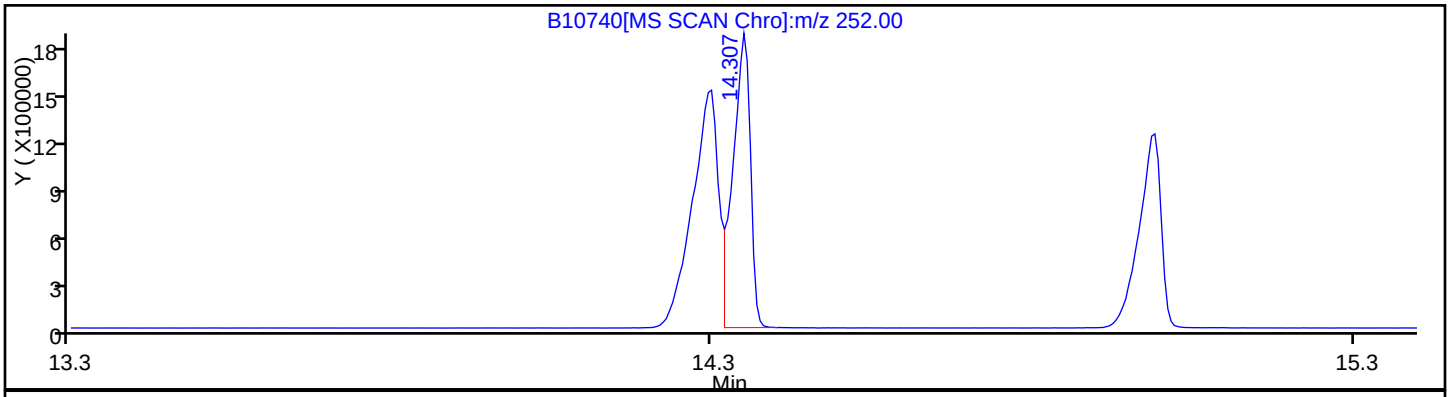
98 Benzo[k]fluoranthene

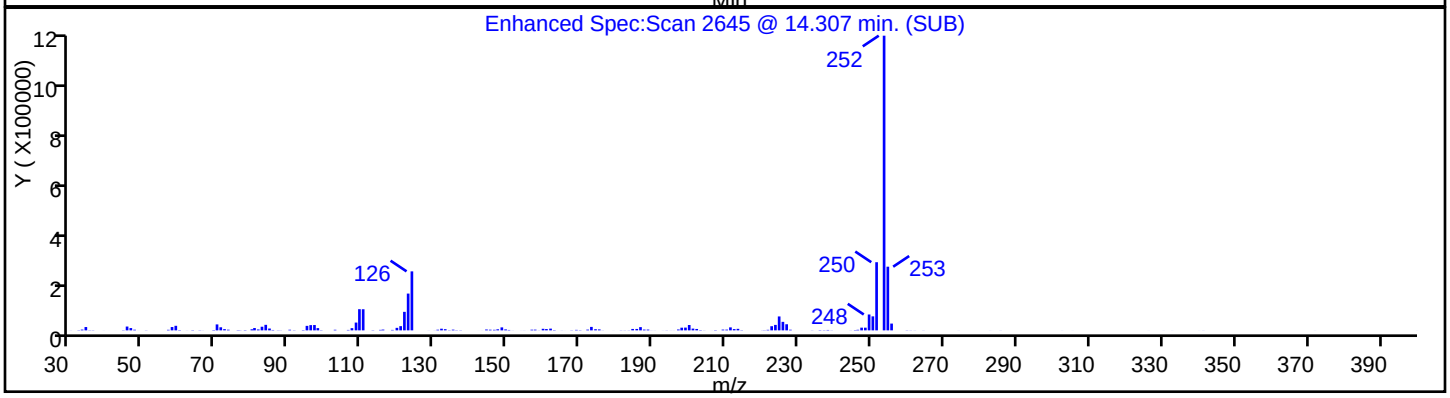
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 07-Oct-2009 12:07:36
Audit Action: Selected Alternate Hit
Audit Reason:

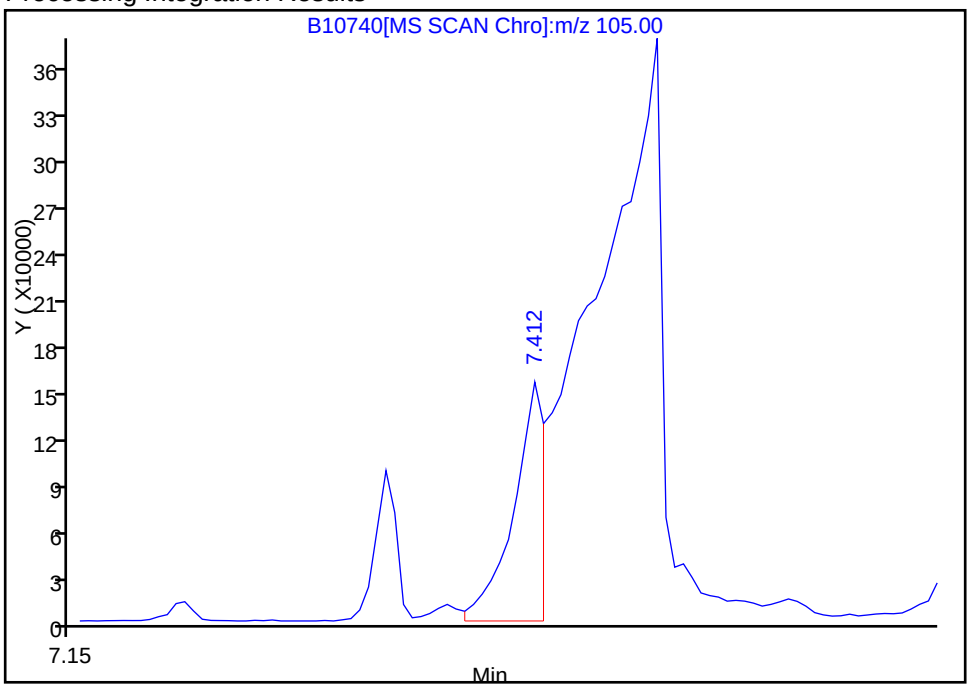
Chrom Revision: 1.1 26-Oct-2009 10:54:26
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Inj Date:	05-Oct-2009 19:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	20.0 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.40

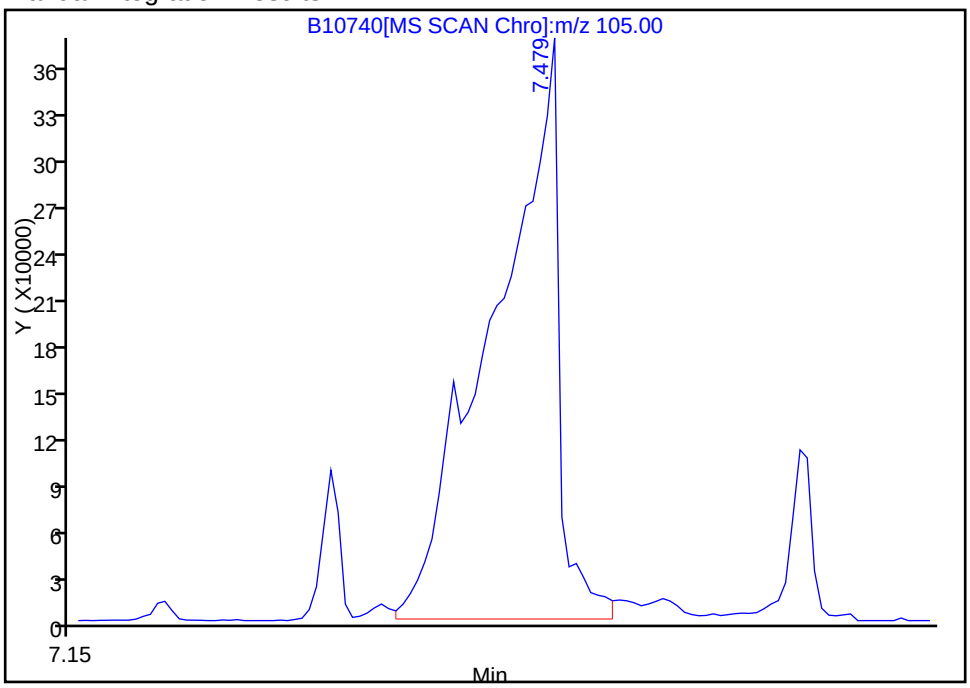
Processing Integration Results

RT: 7.41
Response: 182208
Amount: 8.493605



Manual Integration Results

RT: 7.48
Response: 1120291
Amount: 19.938657



Reviewer: sullivanp, 07-Oct-2009 12:07:36
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

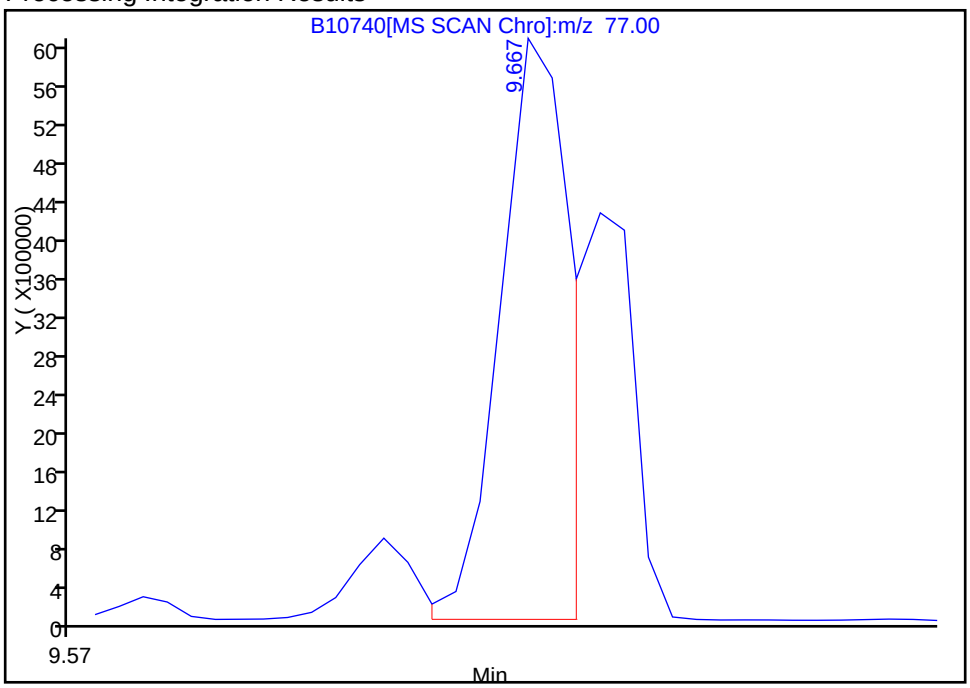
Chrom Revision: 1.1 26-Oct-2009 10:54:26
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Inj Date:	05-Oct-2009 19:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	20.0 ug/ml		
Sample Amount:	1.00 ul	Operator:	MZ

73 1,2-Diphenylhydrazine, Number: 1, m/z: 77 Type: quant, RT: 9.66

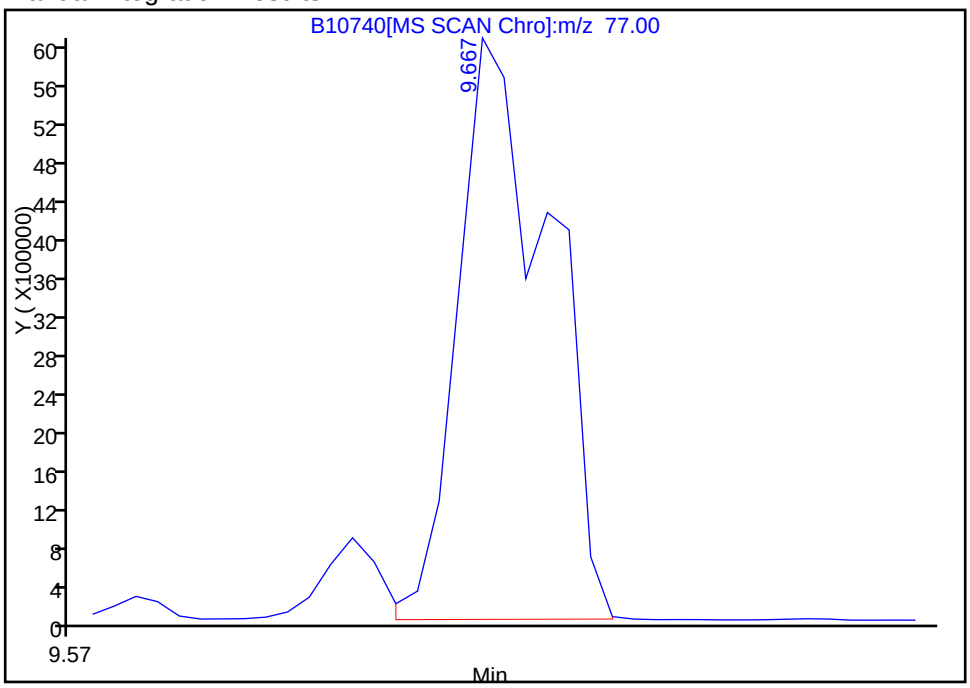
Processing Integration Results

RT: 9.67
Response: 5926980
Amount: 16.146781



Manual Integration Results

RT: 9.67
Response: 8523165
Amount: 22.341656



Reviewer: sullivanp, 07-Oct-2009 12:07:36
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Lab Sample ID: CCV 360-49955/13 Calibration Date: 10/05/2009 20:50

Instrument ID: Inst. B Calib Start Date: 10/05/2009 15:45

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 10/05/2009 19:27

Lab File ID: B10743.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.2374	0.1838		3870	5000	-22.6	30.0
Pyridine	Qua		0.5057		4730	5000	-5.4	30.0
N-Nitrosodimethylamine	Ave	0.6174	0.5457		4420	5000	-11.6	30.0
Benzaldehyde	Ave	0.2845	0.2477		4350	5000	-13.0	30.0
Aniline	Ave	1.010	0.9163		4540	5000	-9.3	30.0
Phenol	Ave	0.9357	0.8345		4460	5000	-10.8	20.0
Bis(2-chloroethyl)ether	Ave	0.5988	0.5215		4350	5000	-12.9	30.0
2-Chlorophenol	Ave	0.6996	0.6070		4340	5000	-13.2	30.0
1,4-Dichlorobenzene	Ave	0.8683	0.7283		4190	5000	-16.1	20.0
1,3-Dichlorobenzene	Ave	0.9180	0.7632		4160	5000	-16.9	30.0
Benzyl alcohol	Qua		0.5980		4460	5000	-10.8	30.0
1,2-Dichlorobenzene	Ave	0.8560	0.7183		4200	5000	-16.1	30.0
2-Methylphenol	Ave	0.6257	0.5334		4260	5000	-14.7	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.215	1.012		4170	5000	-16.7	30.0
Acetophenone	Ave	0.9524	0.8354		4390	5000	-12.3	30.0
N-Nitrosodi-n-propylamine	Ave	0.5435	0.4715	0.0500	4340	5000	-13.3	30.0
3 & 4 Methylphenol	Ave	0.6631	0.5843		4410	5000	-11.9	30.0
Hexachloroethane	Ave	0.3618	0.3114		4300	5000	-13.9	30.0
Nitrobenzene	Ave	0.3869	0.3921		5070	5000	1.4	30.0
Isophorone	Ave	0.6085	0.6399		5260	5000	5.2	30.0
2-Nitrophenol	Lin1		0.1682		4580	5000	-8.3	20.0
2,4-Dimethylphenol	Ave	0.3317	0.3304		4980	5000	-0.4	30.0
Bis(2-chloroethoxy)methane	Ave	0.3372	0.3355		4970	5000	-0.5	30.0
Benzoic acid	Qua		0.1122		5280	5000	5.5	30.0
2,4-Dichlorophenol	Ave	0.2598	0.2607		5020	5000	0.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3068	0.3005		4900	5000	-2.1	30.0
Naphthalene	Ave	0.9782	0.9690		4950	5000	-0.9	30.0
Alpha-Terpineol	Ave	0.3160	0.3229		5110	5000	2.2	30.0
4-Chloroaniline	Ave	0.3841	0.4083		5310	5000	6.3	30.0
Hexachlorobutadiene	Ave	0.1771	0.1678		4740	5000	-5.3	20.0
Caprolactam	Ave	0.1366	0.1483		5420	5000	8.5	30.0
4-Chloro-3-methylphenol	Ave	0.2881	0.2937		5100	5000	1.9	20.0
2-Methylnaphthalene	Ave	0.6796	0.6583		4840	5000	-3.1	30.0
1-Methylnaphthalene	Ave	0.6536	0.6446		4930	5000	-1.4	30.0
Hexachlorocyclopentadiene	Qua		0.2301	0.0500	4800	5000	-4.0	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2559	0.2645		5170	5000	3.4	30.0
2,4,6-Trichlorophenol	Lin		0.3532		4340	5000	-13.2	20.0
2,4,5-Trichlorophenol	Lin		0.3691		4340	5000	-13.1	30.0
1,1'-Biphenyl	Ave	1.625	1.579		4860	5000	-2.9	30.0
2-Chloronaphthalene	Qua		1.524		4910	5000	-1.7	30.0
Phenyl ether	Ave	0.4065	0.3955		4860	5000	-2.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Lab Sample ID: CCV 360-49955/13 Calibration Date: 10/05/2009 20:50

Instrument ID: Inst. B Calib Start Date: 10/05/2009 15:45

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 10/05/2009 19:27

Lab File ID: B10743.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Lin1		0.4254		4490	5000	-10.1	30.0
Dimethyl phthalate	Ave	1.470	1.425		4850	5000	-3.0	30.0
2,6-Dinitrotoluene	Ave	0.3072	0.3053		4970	5000	-0.6	30.0
Acenaphthylene	Ave	2.049	2.029		4950	5000	-1.0	30.0
3-Nitroaniline	Ave	0.3152	0.3261		5170	5000	3.5	30.0
Acenaphthene	Ave	1.357	1.349		4970	5000	-0.6	20.0
2,4-Dinitrophenol	Qua		0.0784	0.0500	5570	5000	11.3	30.0
4-Nitrophenol	Lin1		0.2428	0.0500	4210	5000	-15.7	30.0
2,4-Dinitrotoluene	Lin1		0.4326		4550	5000	-9.0	30.0
Dibenzofuran	Ave	1.799	1.744		4850	5000	-3.0	30.0
2,3,4,6-Tetrachlorophenol	Lin		0.2633		4480	5000	-10.4	30.0
Diethyl phthalate	Ave	1.598	1.572		4920	5000	-1.7	30.0
4-Chlorophenyl phenyl ether	Qua		0.7251		4740	5000	-5.2	30.0
Fluorene	Lin1		1.639		4300	5000	-14.1	30.0
2-Nitroaniline	Ave	0.4056	0.3871		4770	5000	-4.5	30.0
4,6-Dinitro-2-methylphenol	Qua		0.0814		5720	5000	14.4	30.0
Diphenylamine	Ave	0.7603	0.7554		4970	5000	-0.6	30.0
N-Nitrosodiphenylamine	Ave	0.7603	0.7554		4970	5000	-0.6	20.0
1,2-Diphenylhydrazine	Ave	1.661	1.743		5250	5000	4.9	30.0
Azobenzene	Ave	1.662	1.743		5250	5000	4.9	30.0
Benzophenone	Ave	0.8669	0.8856		5110	5000	2.2	30.0
4-Bromophenyl phenyl ether	Ave	0.2048	0.2039		4980	5000	-0.5	30.0
Hexachlorobenzene	Ave	0.1920	0.1911		4980	5000	-0.5	30.0
Atrazine	Ave	0.1848	0.1913		5170	5000	3.5	30.0
Pentachlorophenol	Qua		0.0849		5010	5000	0.2	20.0
Pentachloronitrobenzene	Lin		0.1154		4300	5000	-14.0	30.0
Phenanthrene	Ave	1.198	1.187		4960	5000	-0.9	30.0
Anthracene	Ave	1.139	1.178		5170	5000	3.4	30.0
Carbazole	Ave	0.9834	0.9863		5010	5000	0.3	30.0
Di-n-butyl phthalate	Ave	1.506	1.562		5190	5000	3.7	30.0
Fluoranthene	Ave	1.105	1.124		5090	5000	1.8	20.0
Benzidine	Qua		0.2079		5250	5000	5.0	30.0
Pyrene	Ave	1.429	1.450		5070	5000	1.4	30.0
Butyl benzyl phthalate	Ave	0.7317	0.8030		5490	5000	9.7	30.0
3,3'-Dichlorobenzidine	Ave	0.2642	0.2978		5630	5000	12.7	30.0
Benzo[a]anthracene	Ave	0.9931	1.023		5150	5000	3.0	30.0
Bis(2-ethylhexyl) phthalate	Ave	1.071	1.174		5480	5000	9.6	30.0
Chrysene	Ave	0.9915	1.009		5090	5000	1.7	30.0
Di-n-octyl phthalate	Lin		2.440		4500	5000	-10.0	20.0
Benzo[b]fluoranthene	Ave	1.355	1.368		5050	5000	1.0	30.0
Benzo[k]fluoranthene	Ave	1.233	1.222		4960	5000	-0.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Lab Sample ID: CCV 360-49955/13 Calibration Date: 10/05/2009 20:50

Instrument ID: Inst. B Calib Start Date: 10/05/2009 15:45

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 10/05/2009 19:27

Lab File ID: B10743.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Lin1		1.019		4590	5000	-8.1	20.0
Indeno[1,2,3-cd]pyrene	Lin		0.6088		3840	5000	-23.1	30.0
Dibenz(a,h)anthracene	Lin		0.6070		4420	5000	-11.5	30.0
Benzo[g,h,i]perylene	Ave	0.6127	0.6097		4980	5000	-0.5	30.0
2-Fluorophenol	Ave	0.5740	0.5028		4380	5000	-12.4	30.0
Phenol-d5	Ave	0.8017	0.7250		4520	5000	-9.6	30.0
Nitrobenzene-d5	Ave	0.3887	0.4005		5150	5000	3.0	30.0
2-Fluorobiphenyl	Ave	1.525	1.458		4780	5000	-4.4	30.0
2,4,6-Tribromophenol	Lin		0.0797		4410	5000	-11.7	30.0
Terphenyl-d14	Ave	0.8658	0.8533		4930	5000	-1.4	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10743.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	05-Oct-2009 20:50:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	ccv		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49955	Lims Sample ID:	13
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 12:08:13	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	07-Oct-2009 12:08:13

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.446	6.450	-0.004	262319	2.00	
* 2 Naphthalene-d8	136	7.595	7.594	0.001	494730	2.00	
* 3 Acenaphthene-d10	164	9.076	9.076	0.000	242579	2.00	
* 4 Phenanthrene-d10	188	10.307	10.307	0.000	394308	2.00	
* 5 Chrysene-d12	240	12.611	12.610	0.001	318944	2.00	
* 6 Perylene-d12	264	15.001	15.000	0.001	198887	2.00	
$ 7 2-Fluorophenol	112	4.974	4.983	-0.009	329703	4.38	
$ 8 Phenol-d5	99	6.128	6.128	0.000	475457	4.52	
$ 9 Nitrobenzene-d5	82	6.970	6.969	0.001	495346	5.15	
$ 10 2-Fluorobiphenyl	172	8.513	8.513	0.000	884334	4.78	
$ 11 2,4,6-Tribromophenol	330	9.730	9.730	0.000	78579	4.41	
$ 12 Terphenyl-d14	244	11.625	11.624	0.001	680380	4.93	
14 1,4-Dioxane	88	1.925	1.949	-0.024	120554	3.87	
16 Pyridine	79	2.325	2.353	-0.028	331661	4.73	
15 N-Nitrosodimethylamine	42	2.339	2.358	-0.019	357874	4.42	
17 Benzaldehyde	105	6.013	6.017	-0.004	162419	4.35	
19 Aniline	93	6.133	6.133	0.000	600885	4.54	
18 Phenol	94	6.138	6.142	-0.004	547257	4.46	
20 Bis(2-chloroethyl)ether	93	6.215	6.214	0.001	342027	4.35	
21 2-Chlorophenol	128	6.244	6.243	0.001	398095	4.34	
22 1,4-Dichlorobenzene	146	6.388	6.387	0.001	477590	4.19	
23 1,3-Dichlorobenzene	146	6.460	6.464	-0.004	500498	4.16	
24 Benzyl alcohol	79	6.600	6.599	0.001	392157	4.46	
25 1,2-Dichlorobenzene	146	6.604	6.604	0.000	471043	4.20	
26 2-Methylphenol	108	6.710	6.710	0.000	349828	4.26	
27 2,2'-oxybis[1-chloropropane]	45	6.729	6.729	0.000	663536	4.17	
30 Acetophenone	105	6.835	6.835	0.000	547863	4.39	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.850	6.844	0.006	309174	4.34	
28 3 & 4 Methylphenol	108	6.854	6.854	0.000	383155	4.41	
31 Hexachloroethane	117	6.912	6.912	0.000	204184	4.30	
32 Nitrobenzene	77	6.984	6.984	0.000	484973	5.07	
33 Isophorone	82	7.201	7.200	0.001	791465	5.26	
34 2-Nitrophenol	139	7.268	7.267	0.001	208080	4.58	
35 2,4-Dimethylphenol	107	7.321	7.320	0.001	408688	4.98	
37 Bis(2-chloroethoxy)methane	93	7.398	7.397	0.001	414909	4.97	
36 Benzoic acid	105	7.403	7.403	0.000	138732	5.28	
38 2,4-Dichlorophenol	162	7.480	7.479	0.001	322386	5.02	
39 1,2,4-Trichlorobenzene	180	7.552	7.551	0.001	371684	4.90	
41 Naphthalene	128	7.614	7.614	0.000	1198440	4.95	
40 Alpha-Terpineol	59	7.629	7.628	0.001	399340	5.11	
42 4-Chloroaniline	127	7.667	7.667	0.000	505017	5.31	
43 Hexachlorobutadiene	225	7.725	7.729	-0.004	207541	4.74	
44 Caprolactam	55	7.960	7.950	0.010	183367	5.42	
45 4-Chloro-3-methylphenol	107	8.085	8.085	0.000	363195	5.10	
46 2-Methylnaphthalene	142	8.206	8.205	0.001	814138	4.84	
47 1-Methylnaphthalene	142	8.287	8.287	0.000	797247	4.93	
48 Hexachlorocyclopentadiene	237	8.340	8.340	0.000	139514	4.80	
49 1,2,4,5-Tetrachlorobenzene	216	8.350	8.349	0.001	327189	5.17	
50 2,4,6-Trichlorophenol	196	8.446	8.446	0.000	214178	4.34	
51 2,4,5-Trichlorophenol	196	8.480	8.474	0.006	223860	4.34	
52 1,1'-Biphenyl	154	8.600	8.595	0.005	957451	4.86	
53 2-Chloronaphthalene	162	8.614	8.614	0.000	924008	4.91	
54 Phenyl ether	170	8.687	8.686	0.001	489132	4.86	
68 4-Nitroaniline	138	8.701	8.700	0.001	257996	4.49	
56 Dimethyl phthalate	163	8.855	8.849	0.006	864327	4.85	
57 2,6-Dinitrotoluene	165	8.903	8.902	0.001	185174	4.97	
58 Acenaphthylene	152	8.961	8.955	0.006	1230423	4.95	
59 3-Nitroaniline	138	9.042	9.042	0.000	197742	5.17	
61 Acenaphthene	153	9.105	9.104	0.001	817967	4.97	
60 2,4-Dinitrophenol	184	9.129	9.128	0.001	47572	5.57	
62 4-Nitrophenol	109	9.182	9.181	0.001	147237	4.21	
63 2,4-Dinitrotoluene	165	9.240	9.234	0.006	262349	4.55	
64 Dibenzofuran	168	9.249	9.244	0.005	1057550	4.85	
65 2,3,4,6-Tetrachlorophenol	232	9.350	9.350	0.000	159653	4.48	
66 Diethyl phthalate	149	9.437	9.431	0.006	953109	4.92	
67 4-Chlorophenyl phenyl ether	204	9.528	9.528	0.000	439740	4.74	
69 Fluorene	166	9.533	9.528	0.005	993756	4.30	
55 2-Nitroaniline	65	9.547	9.542	0.005	234772	4.77	
70 4,6-Dinitro-2-methylphenol	198	9.576	9.571	0.005	80243	5.72	
72 N-Nitrosodiphenylamine	169	9.629	9.624	0.005	744639	4.97	
71 Diphenylamine	169	9.629	9.624	0.005	744639	4.97	
74 Azobenzene	77	9.663	9.663	0.000	1718421	5.25	
73 1,2-Diphenylhydrazine	77	9.663	9.663	0.000	1718421	5.25	
13 Benzophenone	105	9.672	9.667	0.005	873011	5.11	
75 4-Bromophenyl phenyl ether	248	9.932	9.931	0.001	200956	4.98	
76 Hexachlorobenzene	284	9.990	9.989	0.001	188397	4.98	
77 Atrazine	200	10.072	10.066	0.006	188524	5.17	
78 Pentachlorophenol	266	10.153	10.156	-0.003	83727	5.01	
79 Pentachloronitrobenzene	237	10.163	10.162	0.001	113704	4.30	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.326	10.326	0.000	1170584	4.96	
81 Anthracene	178	10.370	10.364	0.006	1160812	5.17	
83 Carbazole	167	10.500	10.499	0.001	972246	5.01	
84 Di-n-butyl phthalate	149	10.788	10.783	0.005	1539821	5.19	
87 Fluoranthene	202	11.307	11.307	0.000	1108111	5.09	
86 Benzidine	184	11.418	11.430	-0.012	204977	5.25	
85 Pyrene	202	11.500	11.494	0.006	1156084	5.07	
89 Butyl benzyl phthalate	149	12.034	12.033	0.001	640288	5.49	
91 3,3'-Dichlorobenzidine	252	12.572	12.567	0.005	237423	5.63	
93 Benzo[a]anthracene	228	12.601	12.596	0.005	815761	5.15	
92 Bis(2-ethylhexyl) phthalate	149	12.630	12.629	0.001	935900	5.48	
94 Chrysene	228	12.639	12.639	0.000	804308	5.09	
95 Di-n-octyl phthalate	149	13.572	13.572	0.000	1213416	4.50	
97 Benzo[b]fluoranthene	252	14.217	14.211	0.006	680207	5.05	
98 Benzo[k]fluoranthene	252	14.274	14.264	0.010	607607	4.96	
99 Benzo[a]pyrene	252	14.885	14.880	0.005	506551	4.59	
100 Indeno[1,2,3-cd]pyrene	276	16.443	16.443	0.000	302698	3.84	
101 Dibenz(a,h)anthracene	278	16.472	16.476	-0.004	301823	4.42	
102 Benzo[g,h,i]perylene	276	16.780	16.779	0.001	303174	4.98	

Report Date: 07-Oct-2009 12:08:14 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10743.D

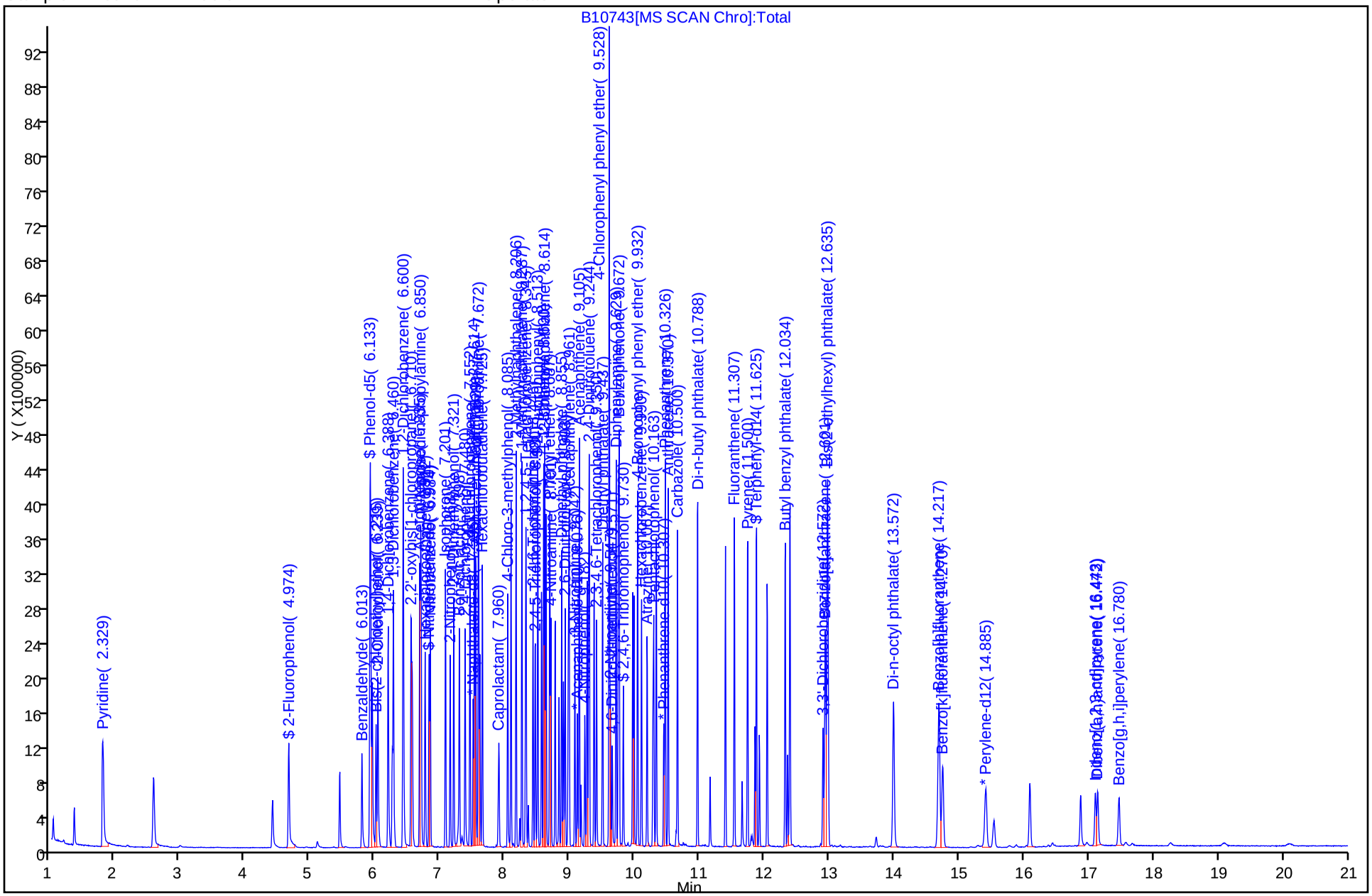
Inj Date: 05-Oct-2009 20:50:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49955 Lims Sample ID: 13

Client ID: Instrument: Inst. B

Sample Info: ccv

Sample Amount: 1.00 ul Operator: MZ



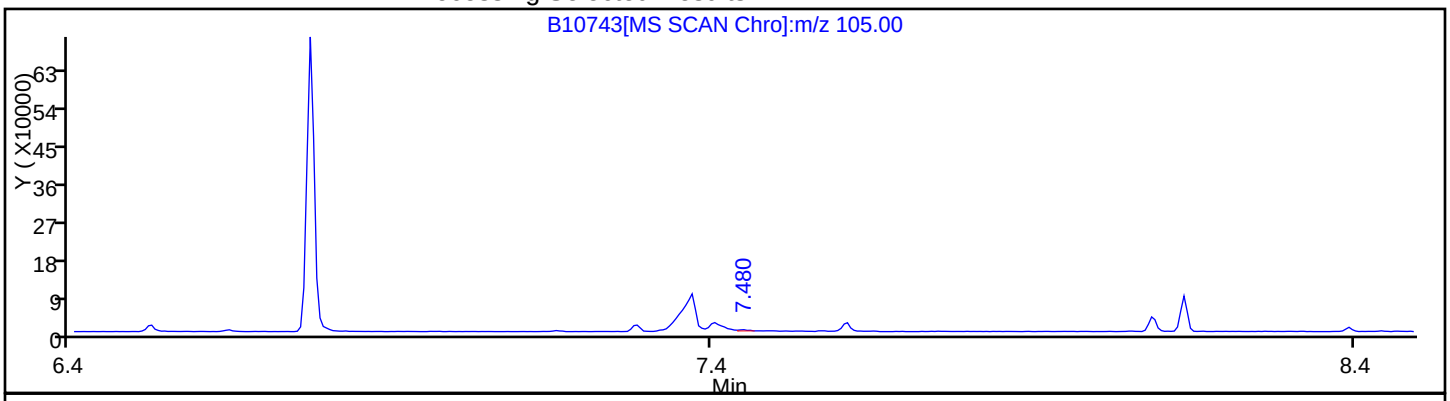
Chrom Revision: 1.1 01-Oct-2009 08:19:20

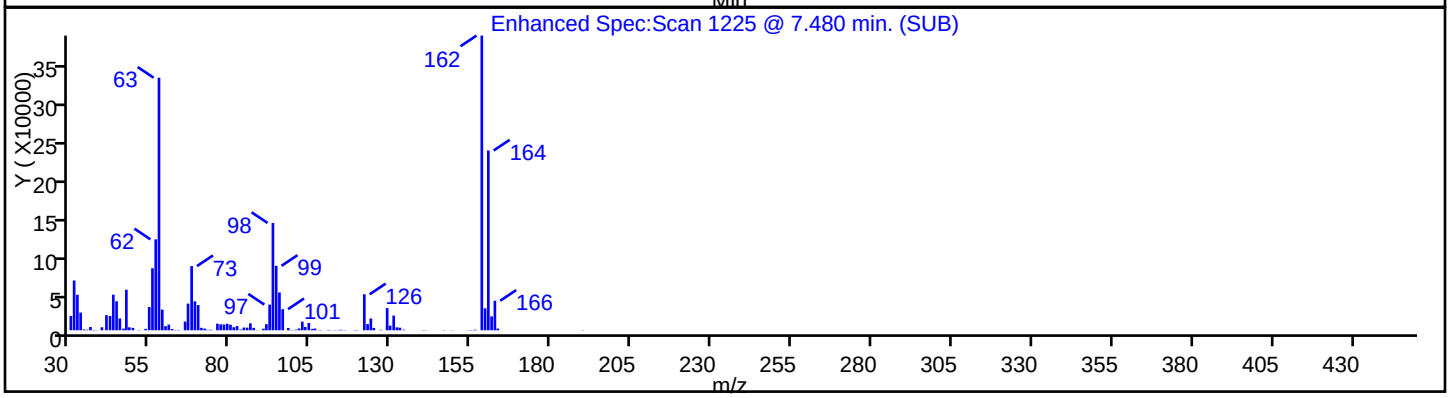
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10743.D		
Inj Date:	05-Oct-2009 20:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49955	Lims Sample ID:	13
Client ID:		Instrument:	Inst. B
Sample Info:	ccv		
Sample Amount:	1.00 ul	Operator:	MZ

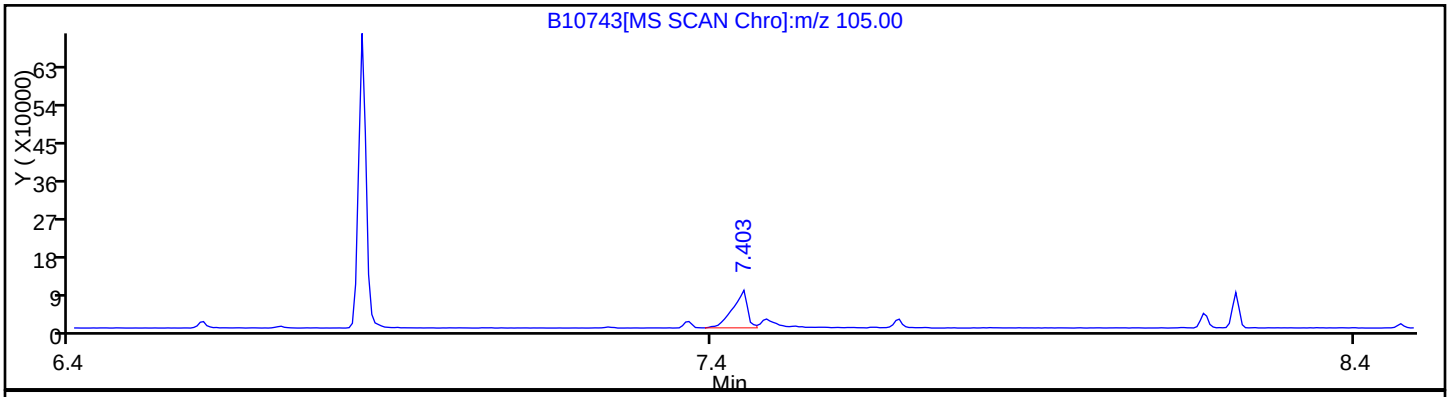
36 Benzoic acid

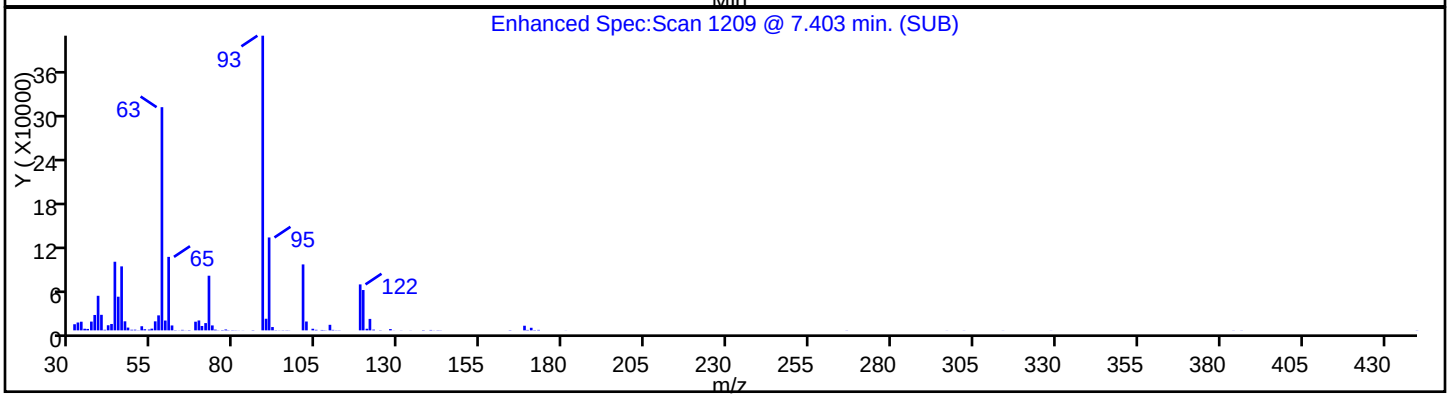
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 07-Oct-2009 12:08:13

Audit Action: Selected Alternate Hit

Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10731.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	05-Oct-2009 15:17:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49953	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 12:06:41	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	07-Oct-2009 12:06:41

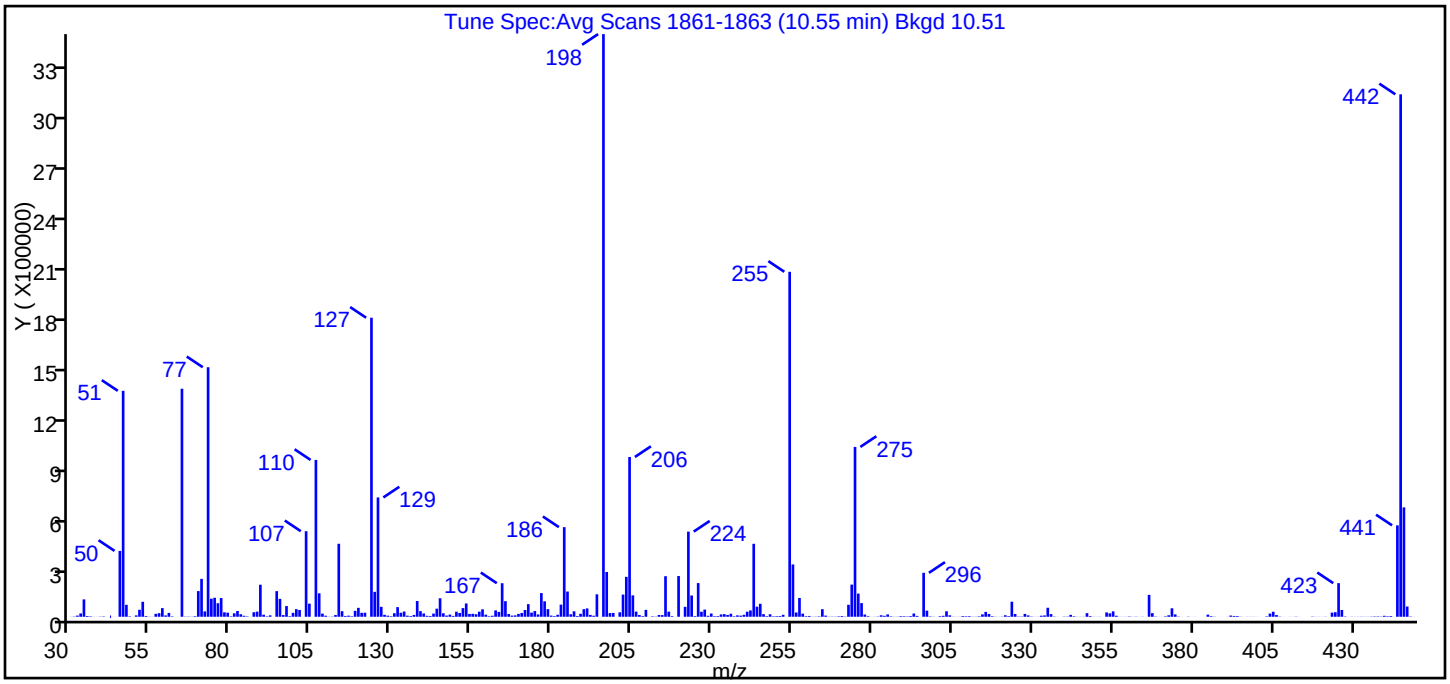
WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.156	10.156	0.000	2654629		
82 DFTPP	198	10.545	10.545	0.000	3325154		
86 Benzidine	184	11.430	11.430	0.000	7869033		
88 4,4'-DDD	235	11.858	11.858	0.000	442232		
90 4,4'-DDT	235	12.128	12.128	0.000	5515869		

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10731.D		
Inj Date:	05-Oct-2009 15:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49953	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	38.78
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.14
70	Less than 2.00% of mass 69	0.04 (0.11)
127	40.00 - 60.00% of mass 198	51.32
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.69
275	10.00 - 30.00% of mass 198	29.15
365	Greater than 1.00% of mass 198	3.76
441	Present, but less than mass 443%	15.69 (83.57)
442	Greater than 40.00% of mass 198	89.67
443	17.00 - 23.00% of mass 442	18.77 (20.94)

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10731.D\8270B.rslt\spectra.d
Injection Date: 05-Oct-2009 15:17:30
Spectrum: Tune Spec:Avg Scans 1861-1863 (10.55 min) Bkgd 10.51
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	102144	110.00	921536	181.00	44816	245.00	59136
50.00	387136	111.00	137984	185.00	71296	246.00	76376
51.00	1327616	117.00	428928	186.00	526656	255.00	2027008
52.00	70216	122.00	34928	187.00	148288	256.00	307328
56.00	41144	123.00	52488	192.00	44632	258.00	110288
57.00	88048	127.00	1757184	193.00	49080	265.00	44616
63.00	50928	128.00	146496	196.00	131840	273.00	70568
69.00	1339904	129.00	701120	198.00	3423744	274.00	188992
74.00	150976	130.00	58344	199.00	263168	275.00	998080
75.00	222528	135.00	56656	204.00	130496	276.00	136128
77.00	1466368	141.00	92544	205.00	234624	277.00	80328
78.00	106376	147.00	47472	206.00	938880	296.00	258304
79.00	111632	148.00	108728	207.00	125744	297.00	35912
80.00	79632	155.00	50936	211.00	40472	323.00	88488
81.00	110088	156.00	78176	217.00	238400	334.00	52976
93.00	188288	161.00	43816	221.00	239360	365.00	128792
98.00	150656	165.00	37552	223.00	58400	372.00	49896
99.00	105168	167.00	197184	224.00	500416	423.00	197504
101.00	62912	168.00	91696	225.00	124848	424.00	39952
104.00	44808	174.00	39816	227.00	198016	441.00	537152
105.00	39824	175.00	74048	229.00	42312	442.00	3069952
107.00	502848	179.00	139136	243.00	37384	443.00	642752
108.00	77064	180.00	90864	244.00	428800	444.00	60192

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10742.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	05-Oct-2009 20:23:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49955	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 12:08:08	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	07-Oct-2009 12:08:08

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

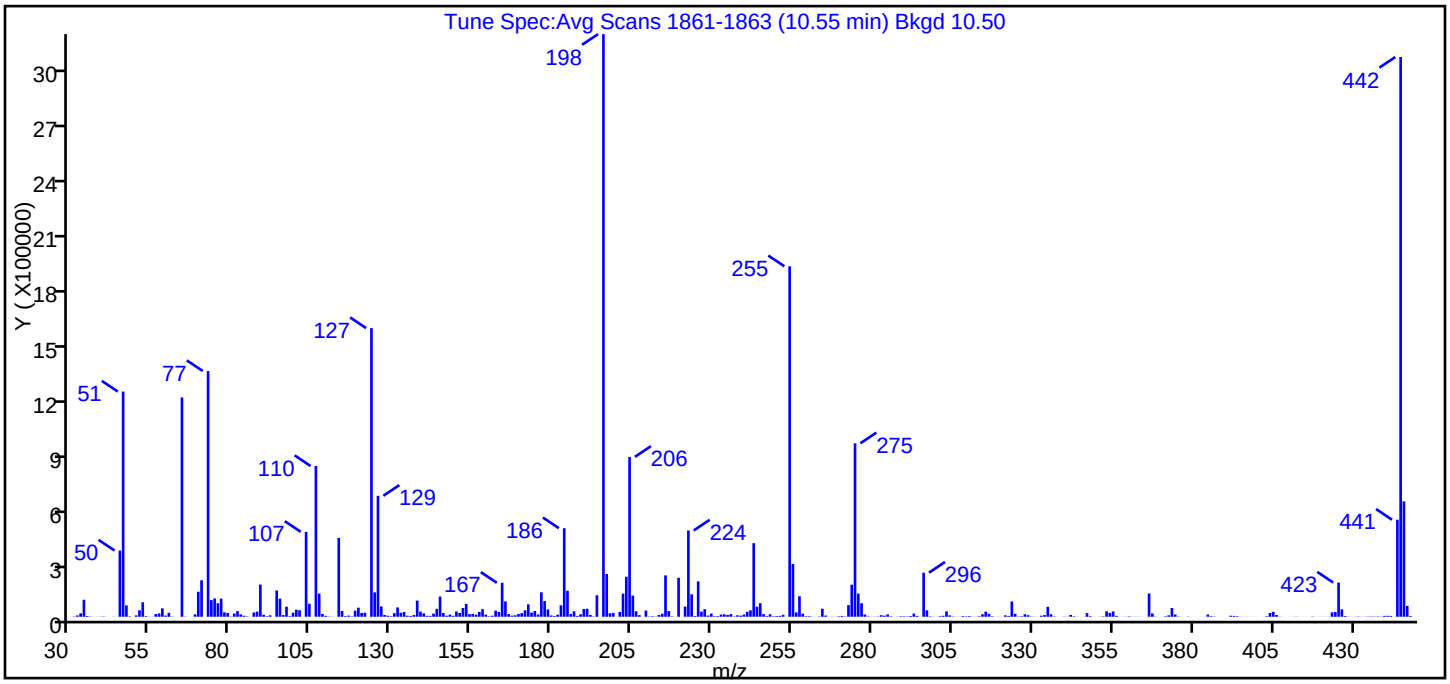
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.156	10.156	0.000	2560178		
82 DFTPP	198	10.545	10.545	0.000	3091101		
86 Benzidine	184	11.430	11.430	0.000	8024661		
88 4,4'-DDD	235	11.858	11.858	0.000	396951		
90 4,4'-DDT	235	12.127	12.128	-0.001	4916752		

Chrom Revision: 1.1 01-Oct-2009 08:19:20

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10742.D		
Inj Date:	05-Oct-2009 20:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49955	Lims Sample ID:	12
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.65
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.64
70	Less than 2.00% of mass 69	0.04 (0.11)
127	40.00 - 60.00% of mass 198	49.54
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.34
275	10.00 - 30.00% of mass 198	29.77
365	Greater than 1.00% of mass 198	4.00
441	Present, but less than mass 443%	16.66 (84.11)
442	Greater than 40.00% of mass 198	96.06
443	17.00 - 23.00% of mass 442	19.80 (20.61)

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10742.D\8270B.rslt\spectra.d
Injection Date: 05-Oct-2009 20:23:30
Spectrum: Tune Spec:Avg Scans 1861-1863 (10.55 min) Bkgd 10.50
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	91400	110.00	811200	181.00	39440	245.00	54224
50.00	356480	111.00	124928	185.00	61728	246.00	73104
51.00	1211904	117.00	424576	186.00	476544	255.00	1886208
52.00	61400	122.00	32688	187.00	139968	256.00	284480
56.00	35032	123.00	48944	192.00	41992	258.00	110488
57.00	77960	127.00	1553408	193.00	43368	265.00	43208
63.00	45464	128.00	131392	196.00	115704	273.00	62736
69.00	1180160	129.00	651008	198.00	3135488	274.00	172800
74.00	134720	130.00	55880	199.00	230272	275.00	933440
75.00	196416	135.00	50448	204.00	124344	276.00	124680
77.00	1322496	141.00	87072	205.00	215296	277.00	72888
78.00	89720	147.00	42880	206.00	860544	296.00	237248
79.00	98552	148.00	108912	207.00	113904	297.00	34576
80.00	73008	155.00	47056	211.00	33408	323.00	82608
81.00	97608	156.00	69160	217.00	222720	334.00	53664
93.00	173312	161.00	41128	221.00	209792	365.00	125264
98.00	141440	165.00	33000	223.00	55040	372.00	47064
99.00	97584	167.00	182848	224.00	464384	423.00	184064
101.00	54144	168.00	82792	225.00	120816	424.00	39840
104.00	37944	174.00	34784	227.00	190272	441.00	522240
105.00	35008	175.00	66904	229.00	40968	442.00	3012096
107.00	456960	179.00	131648	243.00	34712	443.00	620928
108.00	70104	180.00	84232	244.00	396096	444.00	58832

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: | Lab Sample ID: MB 360-49658/1-A

Matrix: Solid | Lab File ID: B10744.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.00(g) | Date Analyzed: 10/05/2009 21:18

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.: 49955 | Units: ug/Kg

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: | Lab Sample ID: MB 360-49658/1-A

Matrix: Solid | Lab File ID: B10744.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.00(g) | Date Analyzed: 10/05/2009 21:18

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.: 49955 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		33	10
62-53-3	Aniline	ND		33	10
120-12-7	Anthracene	ND		33	10
1912-24-9	Atrazine	ND		33	10
103-33-3	Azobenzene	ND		33	10
100-52-7	Benzaldehyde	ND		33	10
56-55-3	Benzo[a]anthracene	ND		33	10
50-32-8	Benzo[a]pyrene	ND		33	10
205-99-2	Benzo[b]fluoranthene	ND		33	10
191-24-2	Benzo[g,h,i]perylene	ND		33	10
207-08-9	Benzo[k]fluoranthene	ND		33	10
65-85-0	Benzoic acid	104	J	170	15
119-61-9	Benzophenone	ND		33	10
100-51-6	Benzyl alcohol	ND		67	28
111-91-1	Bis(2-chloroethoxy)methane	ND		33	10
111-44-4	Bis(2-chloroethyl)ether	ND		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	ND		33	10
85-68-7	Butyl benzyl phthalate	ND		33	10
105-60-2	Caprolactam	ND		33	10
86-74-8	Carbazole	ND		33	10
218-01-9	Chrysene	ND		33	10
53-70-3	Dibenz(a,h)anthracene	ND		33	10
132-64-9	Dibenzofuran	ND		33	10
84-66-2	Diethyl phthalate	ND		33	10
131-11-3	Dimethyl phthalate	ND		33	10
84-74-2	Di-n-butyl phthalate	61.2		33	29
117-84-0	Di-n-octyl phthalate	ND		33	17
101-84-8	Diphenyl oxide	ND		33	10
206-44-0	Fluoranthene	ND		33	10
86-73-7	Fluorene	ND		33	10
118-74-1	Hexachlorobenzene	ND		33	10
87-68-3	Hexachlorobutadiene	ND		33	10
77-47-4	Hexachlorocyclopentadiene	ND		67	10
67-72-1	Hexachloroethane	ND		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: | Lab Sample ID: MB 360-49658/1-A

Matrix: Solid | Lab File ID: B10744.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.00(g) | Date Analyzed: 10/05/2009 21:18

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.: 49955 | Units: ug/Kg

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

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	65	30-130	
321-60-8	2-Fluorobiphenyl	66	30-130	
367-12-4	2-Fluorophenol	88	30-130	
4165-60-0	Nitrobenzene-d5	64	30-130	
4165-62-2	Phenol-d5	74	30-130	
1718-51-0	Terphenyl-d14	72	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: | Lab Sample ID: MB 360-49658/1-A

Matrix: Solid | Lab File ID: B10744.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.00(g) | Date Analyzed: 10/05/2009 21:18

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.: 49955 | Units: ug/Kg

Number TICs Found: 5 | TIC Result Total: 133.93

CAS NO.	COMPOUND NAME	RT	RESULT	Q
121-33-5	Vanillin	8.63	18.7	T J N
544-76-3	Hexadecane	9.45	25.8	T J N
593-45-3	Octadecane	10.21	53.2	T J N
112-95-8	Eicosane	10.90	26.7	T J N
1560-97-0	Dodecane, 2-methyl-	11.53	9.53	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10744.D		
Lims ID:	MB 360-49658/1-A	Client ID:	
Inject. Date:	05-Oct-2009 21:18:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-49658/1-A		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49955	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 12:00:59	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	07-Oct-2009 12:08:19

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.441	6.450	-0.009	207003	2.00	
* 2 Naphthalene-d8	136	7.590	7.594	-0.004	501654	2.00	
* 3 Acenaphthene-d10	164	9.071	9.076	-0.005	239515	2.00	
* 4 Phenanthrene-d10	188	10.302	10.307	-0.005	403663	2.00	
* 5 Chrysene-d12	240	12.606	12.610	-0.004	326114	2.00	
* 6 Perylene-d12	264	14.996	15.000	-0.004	231381	2.00	
$ 7 2-Fluorophenol	112	5.041	4.983	0.058	521401	8.78	
$ 8 Phenol-d5	99	6.138	6.128	0.010	612813	7.39	
$ 9 Nitrobenzene-d5	82	6.960	6.969	-0.009	313978	3.22	
$ 10 2-Fluorobiphenyl	172	8.513	8.513	0.000	600457	3.29	
$ 11 2,4,6-Tribromophenol	330	9.730	9.730	0.000	122301	6.55	
$ 12 Terphenyl-d14	244	11.620	11.624	-0.004	506629	3.59	
14 1,4-Dioxane	88	1.993	1.949	0.044	312	0.0127	
17 Benzaldehyde	105	6.013	6.017	-0.004	2824	0.0959	
36 Benzoic acid	105	7.379	7.479	-0.100	55275	3.13	
41 Naphthalene	128	7.609	7.614	-0.005	3664	0.0149	
57 2,6-Dinitrotoluene	165	8.884	8.902	-0.018	2161	0.0587	
66 Diethyl phthalate	149	9.432	9.431	0.001	4628	0.0242	
84 Di-n-butyl phthalate	149	10.783	10.783	0.000	557698	1.83	
92 Bis(2-ethylhexyl) phthalate	149	12.630	12.629	0.001	20734	0.1188	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10744.D		
Lims ID:	MB 360-49658/1-A	Client ID:	
Inject. Date:	05-Oct-2009 21:18:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-49658/1-A		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49955	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 12:00:59	Calib Date:	05-Oct-2009 19:27:30
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:	07-Oct-2009 12:08:19

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

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
121-33-5 Vanillin						
8.634	333004	0.5624	3	96	123637	
544-76-3 Hexadecane						
9.446	459182	0.7755	3	86	112410	
593-45-3 Octadecane						
10.211	1074388	1.60	4	98	112329	
112-95-8 Eicosane						
10.899	539309	0.8019	4	96	112343	
1560-97-0 Dodecane, 2-methyl-						
11.533	160894	0.2860	5	93	109650	

Quantitation Compounds

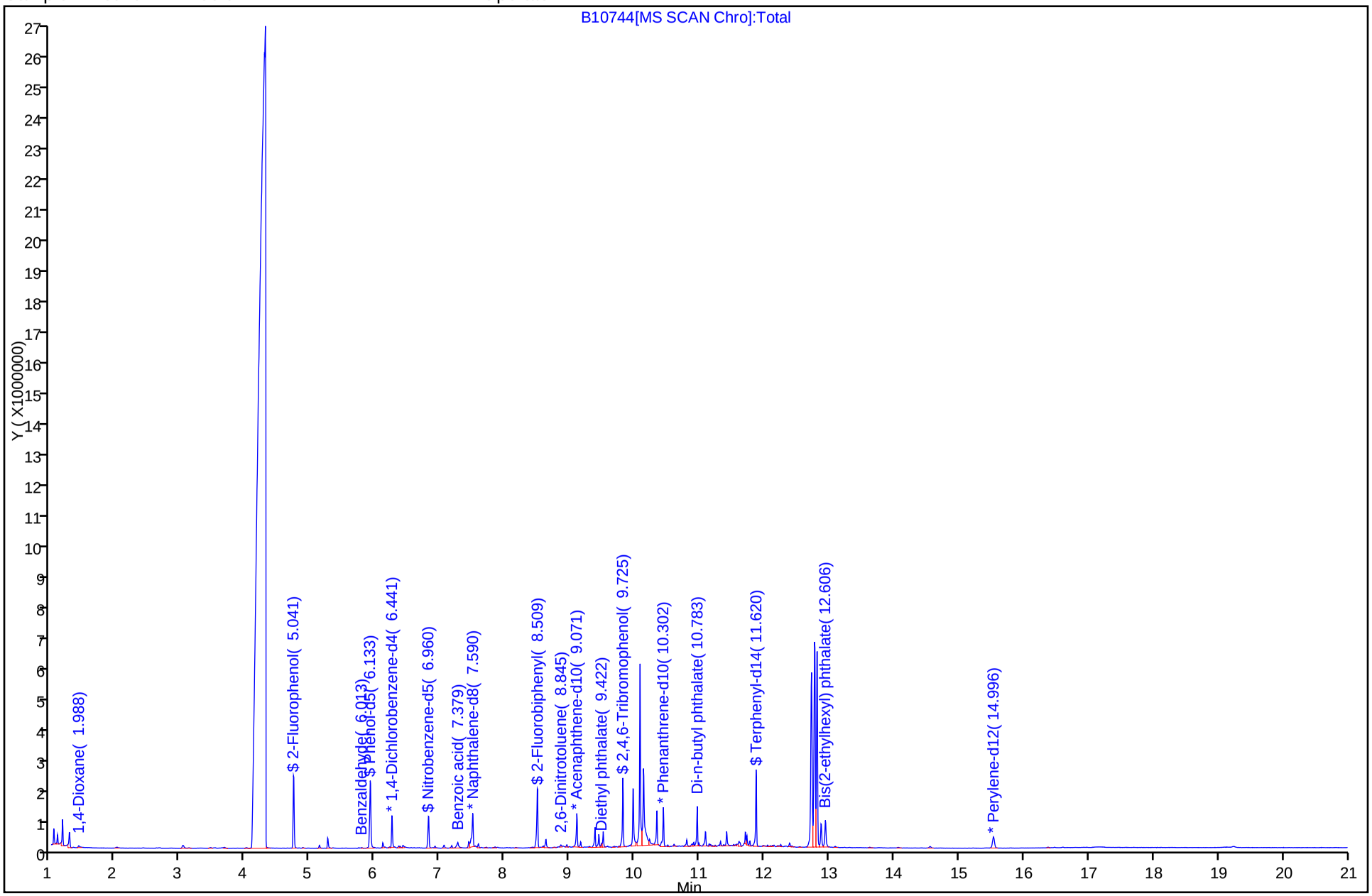
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	9.071	1184260	2.00
* 4 Phenanthrene-d10	10.302	1345117	2.00
* 5 Chrysene-d12	12.606	1125295	2.00

QC Flag Legend

Processing Flags

Report Date: 07-Oct-2009 12:08:20 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10744.D		
Inj Date:	05-Oct-2009 21:18:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49955	Lims Sample ID:	14
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-49658/1-A		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 07-Oct-2009 12:08:20 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10744.D

Inj Date: 05-Oct-2009 21:18:30 Limit Group: SMS - 8270LL SVOA Calibration

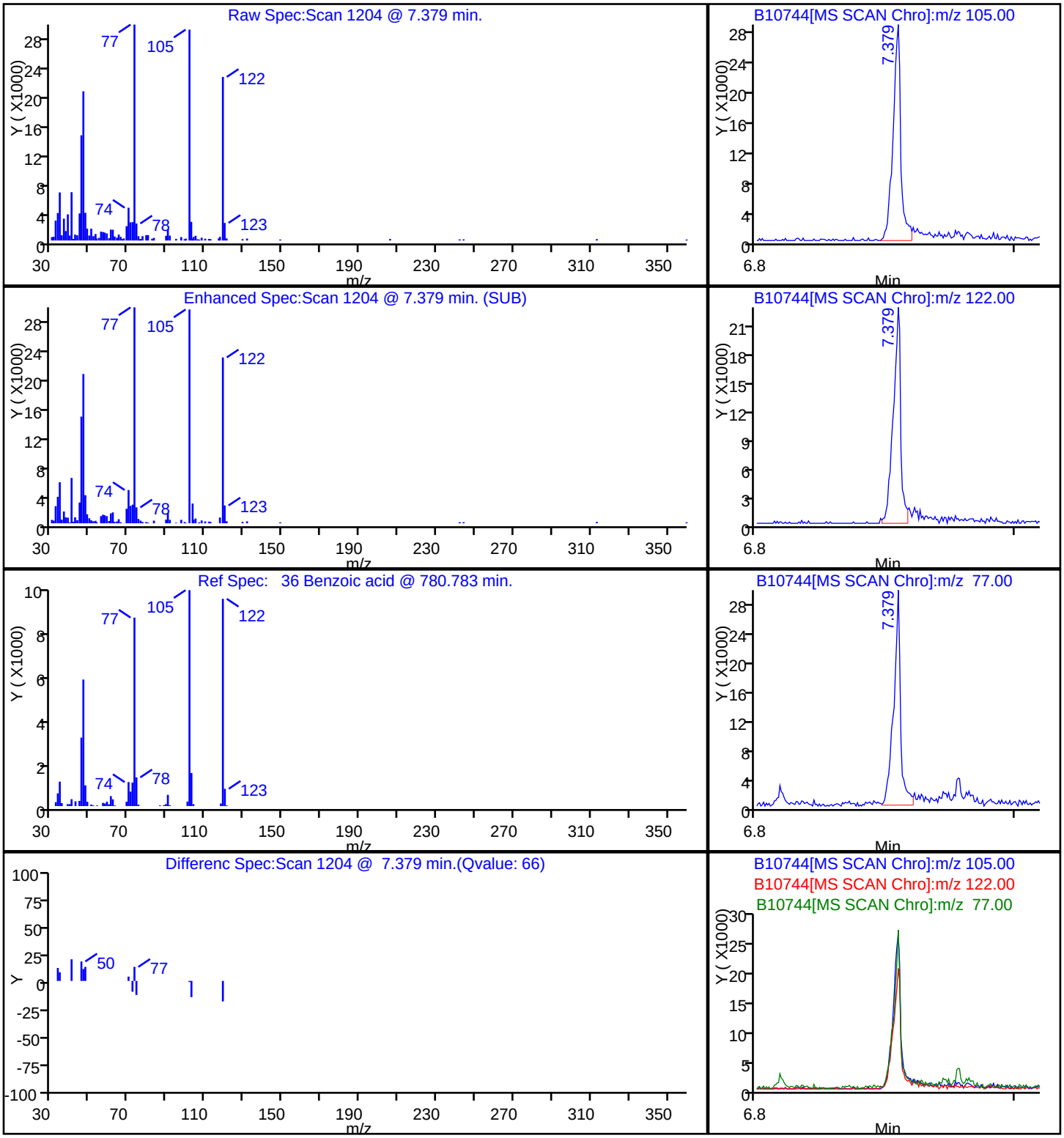
Lims Batch ID: 49955 Lims Sample ID: 14

Client ID: Instrument: Inst. B

Sample Info: MB 360-49658/1-A

Sample Amount: 1.00 ul Operator: MZ

36 Benzoic acid



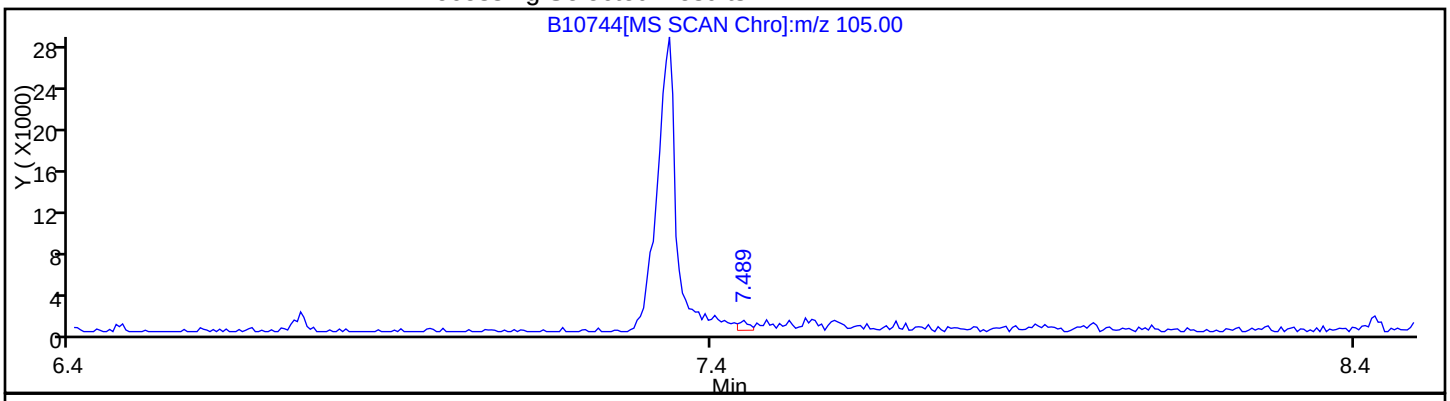
Chrom Revision: 1.1 01-Oct-2009 08:19:20

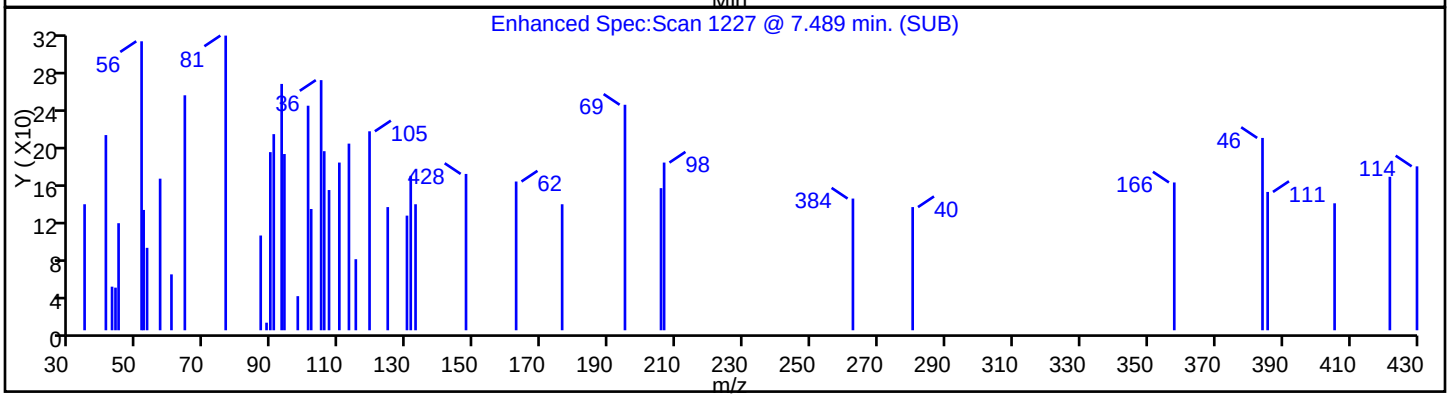
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10744.D		
Inj Date:	05-Oct-2009 21:18:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49955	Lims Sample ID:	14
Client ID:		Instrument:	Inst. B
Sample Info:	MB 360-49658/1-A		
Sample Amount:	1.00 ul	Operator:	MZ

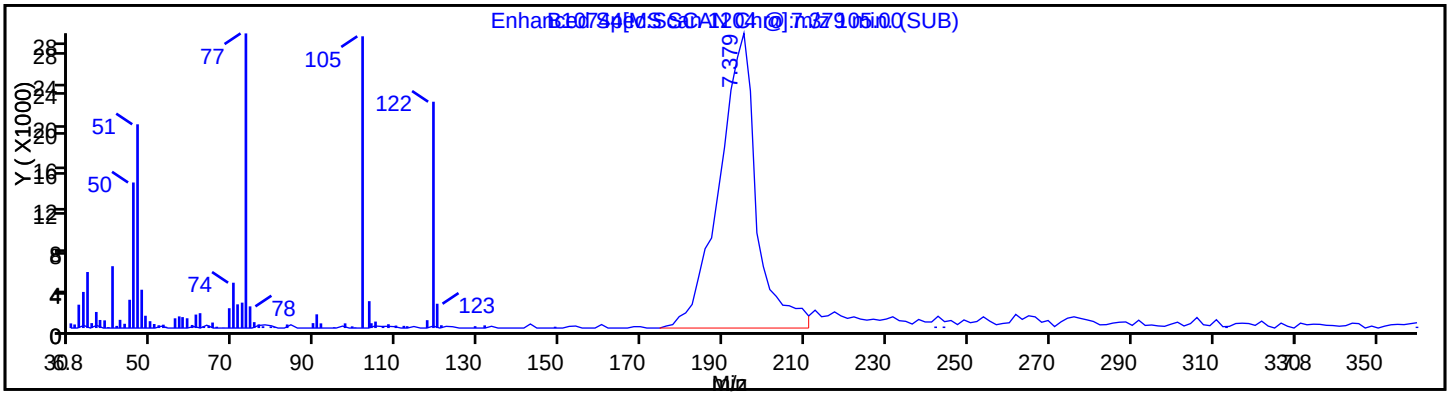
36 Benzoic acid

Processing Selected Results





Manual Selected Results



Reviewer: sullivanp, 07-Oct-2009 12:08:19

Audit Action: Selected Alternate Hit

Audit Reason:

Report Date: 07-Oct-2009 12:08:21 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10744.D

Inj Date: 05-Oct-2009 21:18:30 Limit Group: SMS - 8270LL SVOA Calibration

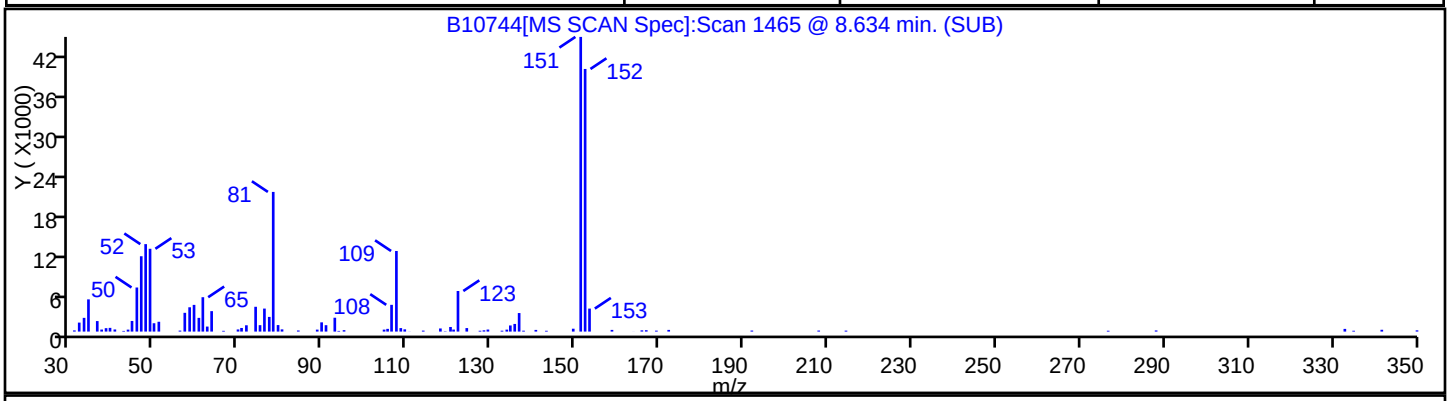
Lims Batch ID: 49955 Lims Sample ID: 14

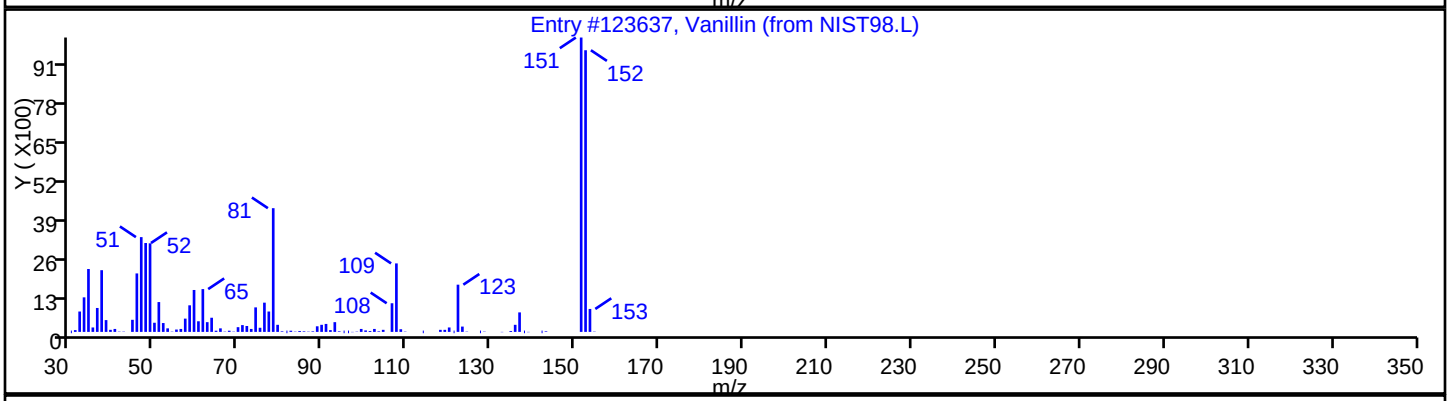
Client ID: Instrument: Inst. B

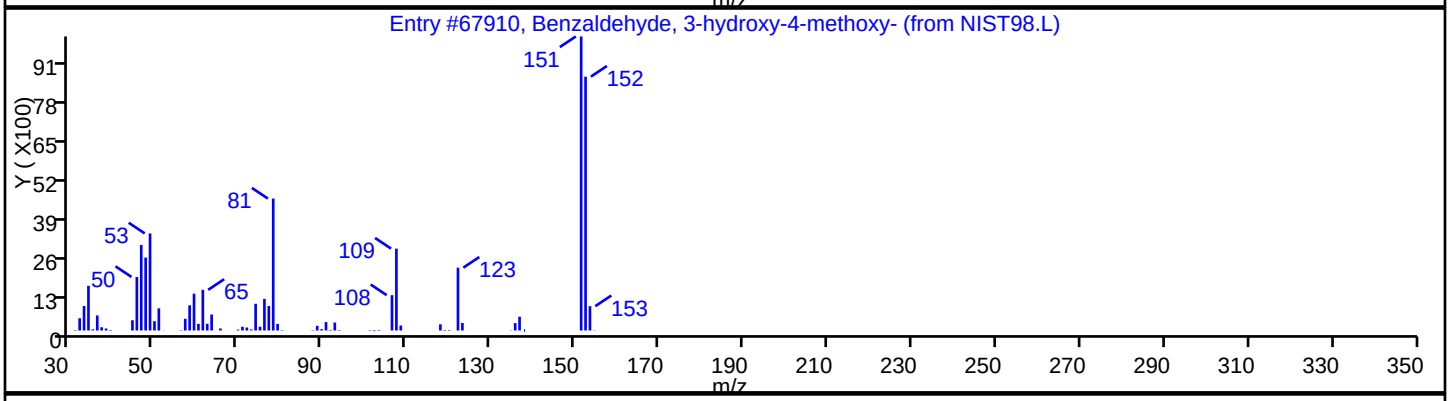
Sample Info: MB 360-49658/1-A

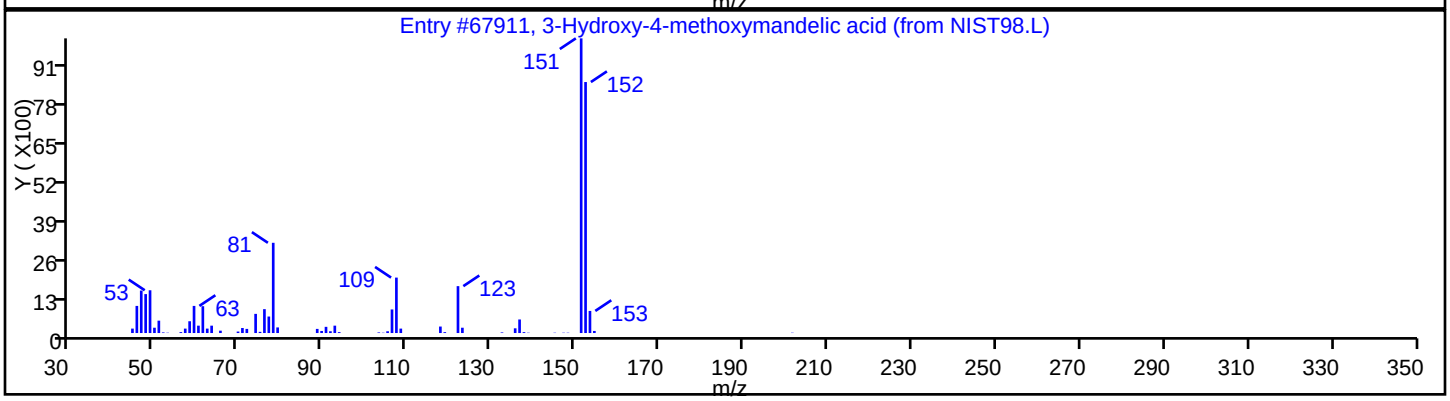
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Vanillin	121-33-5	NIST98.L	123637	96
Benzaldehyde, 3-hydroxy-4-methoxy-	621-59-0	NIST98.L	67910	83
3-Hydroxy-4-methoxymandelic acid	3695-24-7	NIST98.L	67911	52









Report Date: 07-Oct-2009 12:08:21 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10744.D

Inj Date: 05-Oct-2009 21:18:30 Limit Group: SMS - 8270LL SVOA Calibration

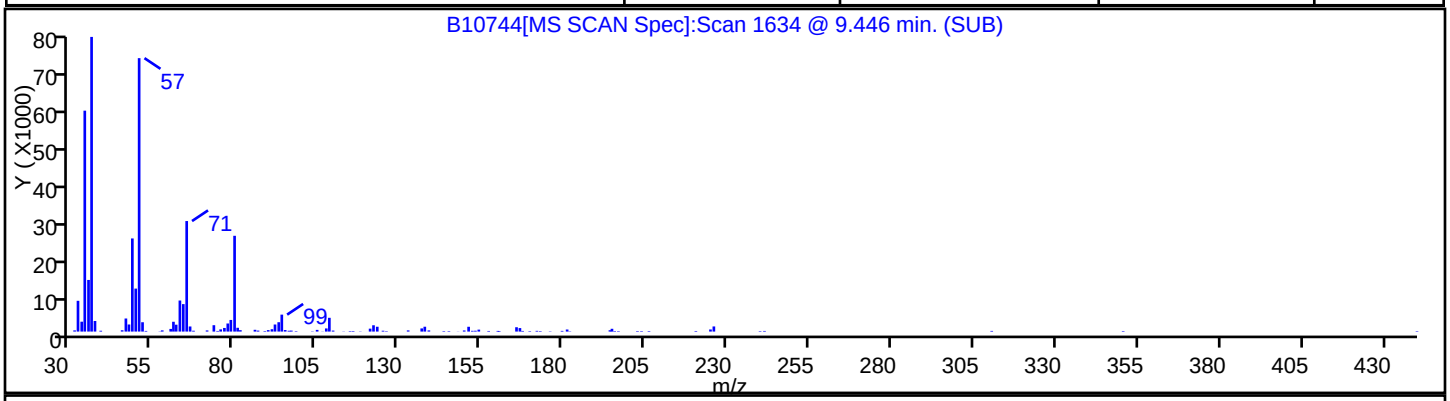
Lims Batch ID: 49955 Lims Sample ID: 14

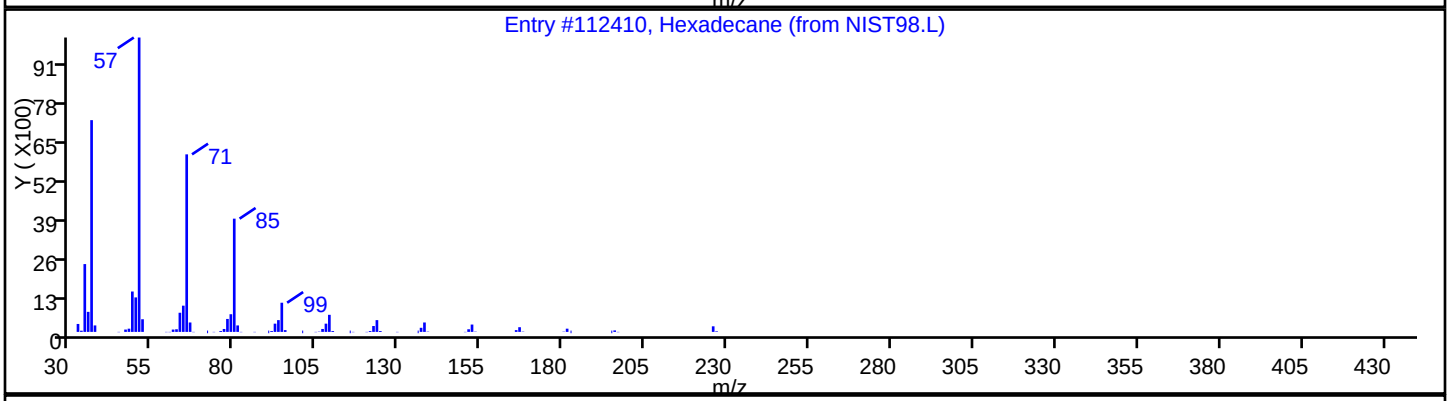
Client ID: Instrument: Inst. B

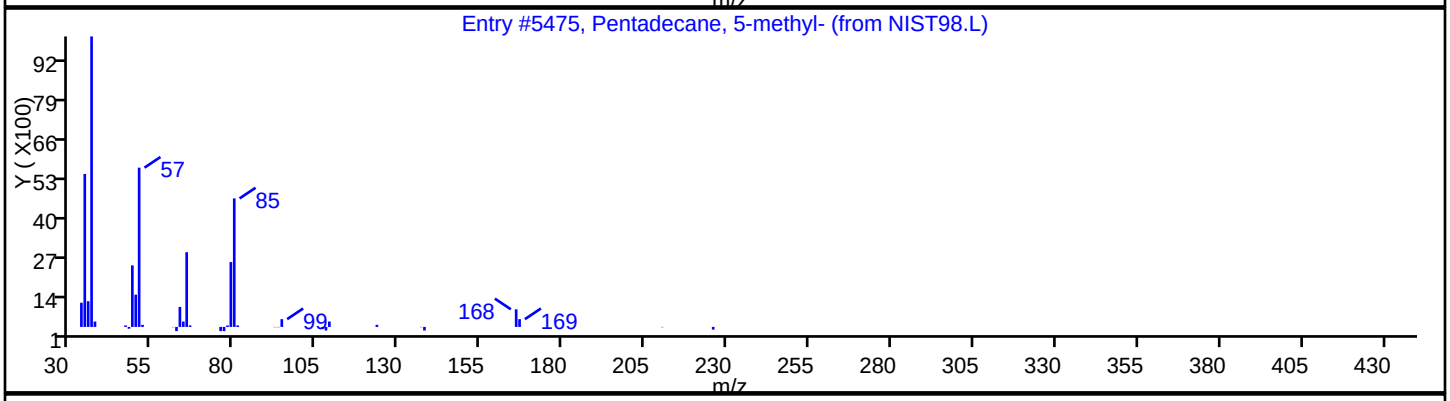
Sample Info: MB 360-49658/1-A

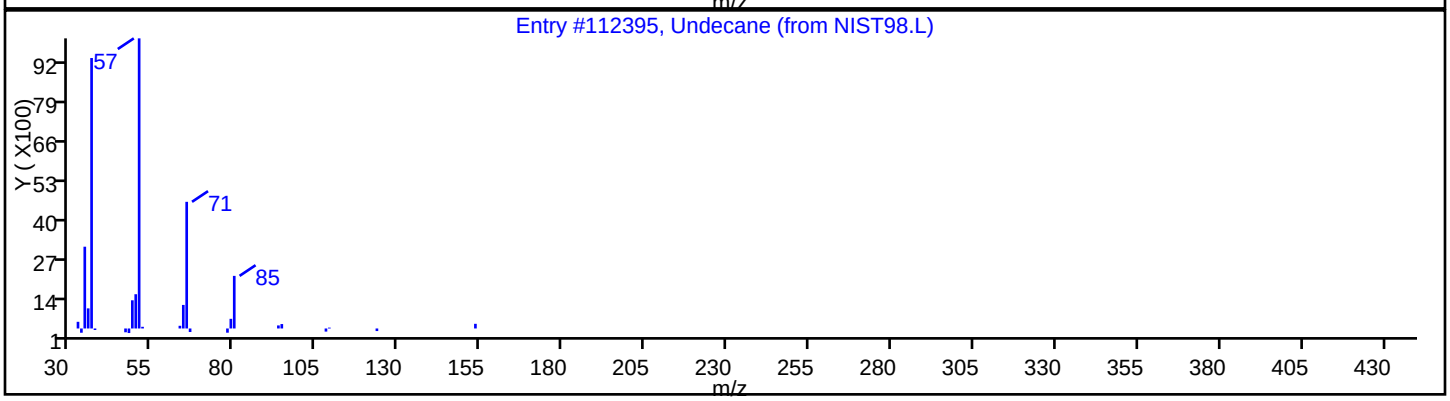
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane	544-76-3	NIST98.L	112410	86
Pentadecane, 5-methyl-	25117-33-3	NIST98.L	5475	72
Undecane	1120-21-4	NIST98.L	112395	64









Report Date: 07-Oct-2009 12:08:22 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10744.D

Inj Date: 05-Oct-2009 21:18:30 Limit Group: SMS - 8270LL SVOA Calibration

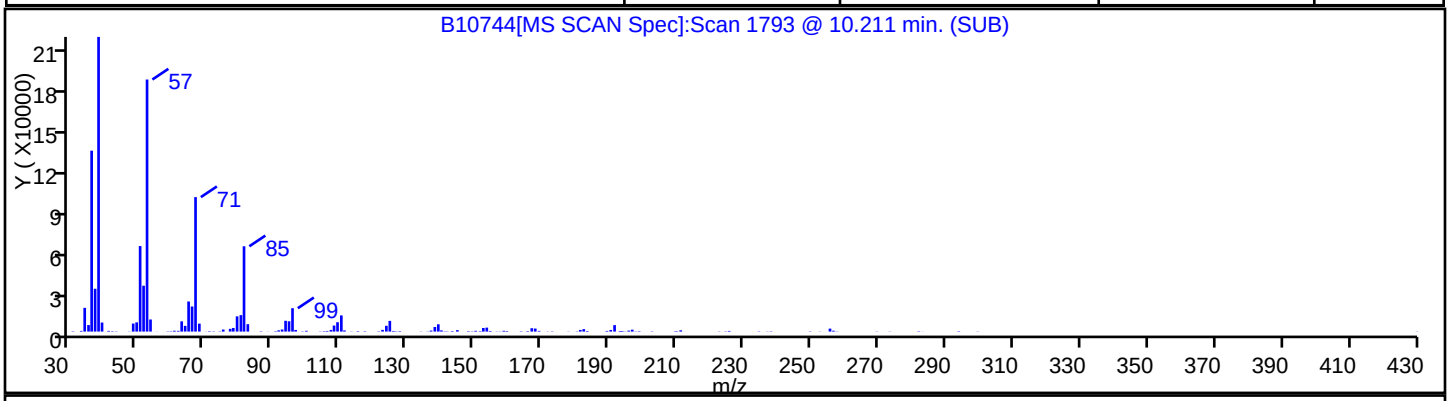
Lims Batch ID: 49955 Lims Sample ID: 14

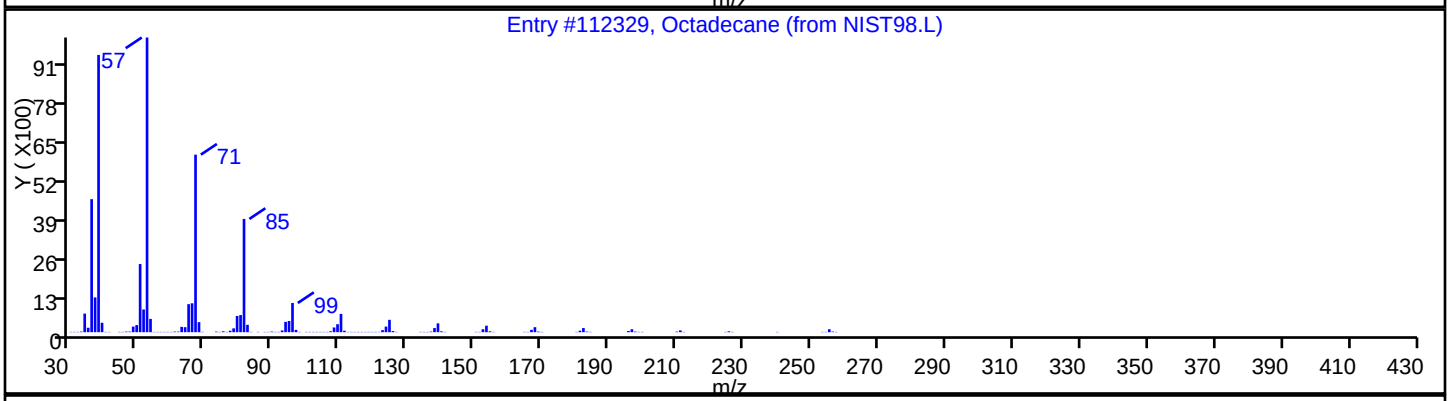
Client ID: Instrument: Inst. B

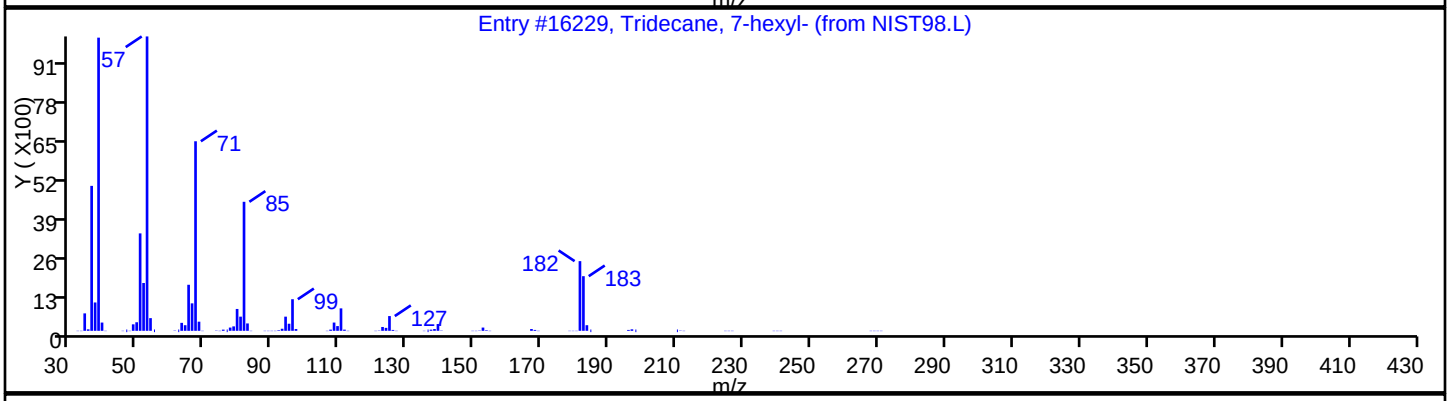
Sample Info: MB 360-49658/1-A

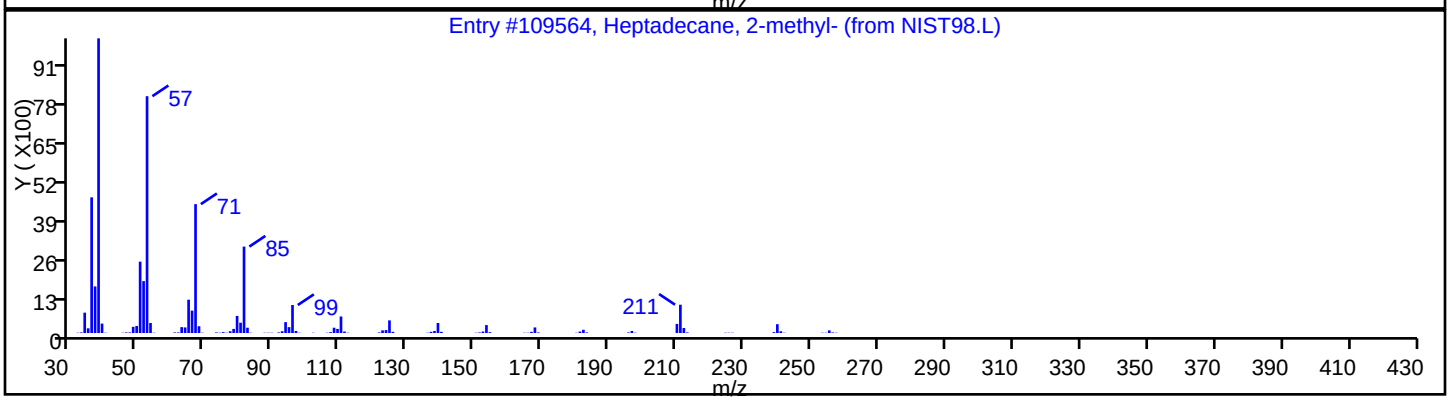
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112329	98
Tridecane, 7-hexyl-	7225-66-3	NIST98.L	16229	95
Heptadecane, 2-methyl-	1560-89-0	NIST98.L	109564	93









Report Date: 07-Oct-2009 12:08:22 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10744.D

Inj Date: 05-Oct-2009 21:18:30 Limit Group: SMS - 8270LL SVOA Calibration

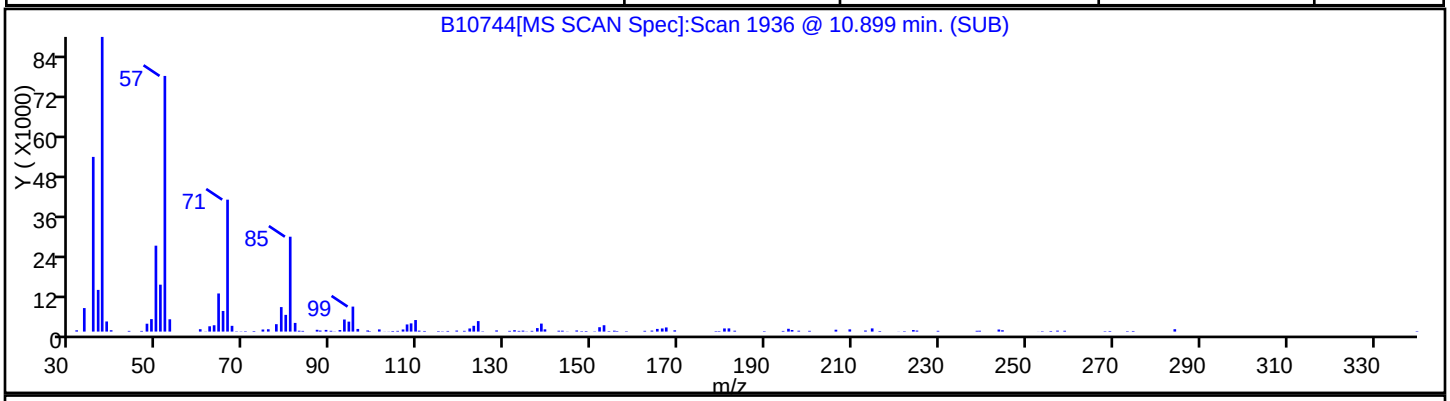
Lims Batch ID: 49955 Lims Sample ID: 14

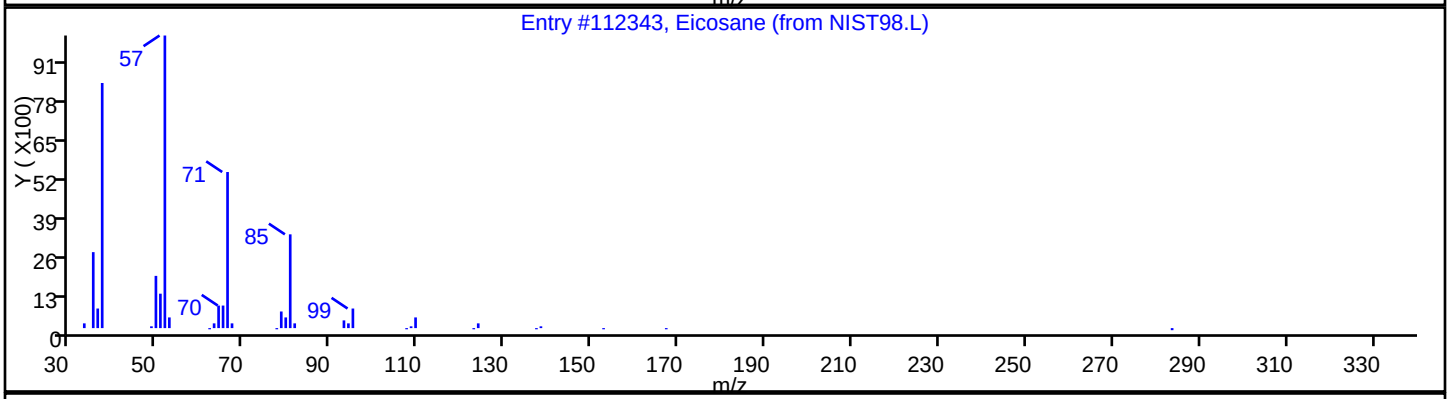
Client ID: Instrument: Inst. B

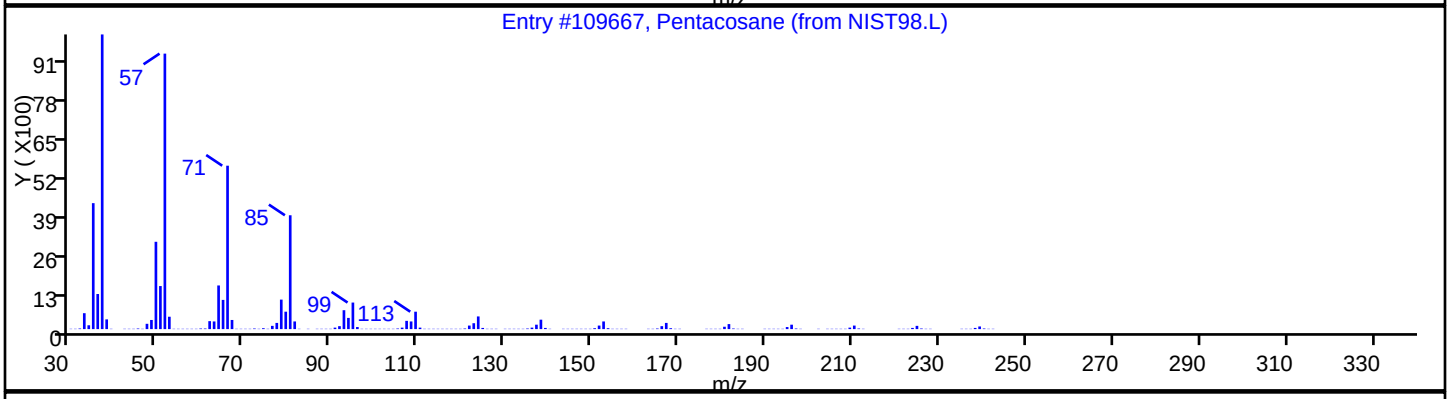
Sample Info: MB 360-49658/1-A

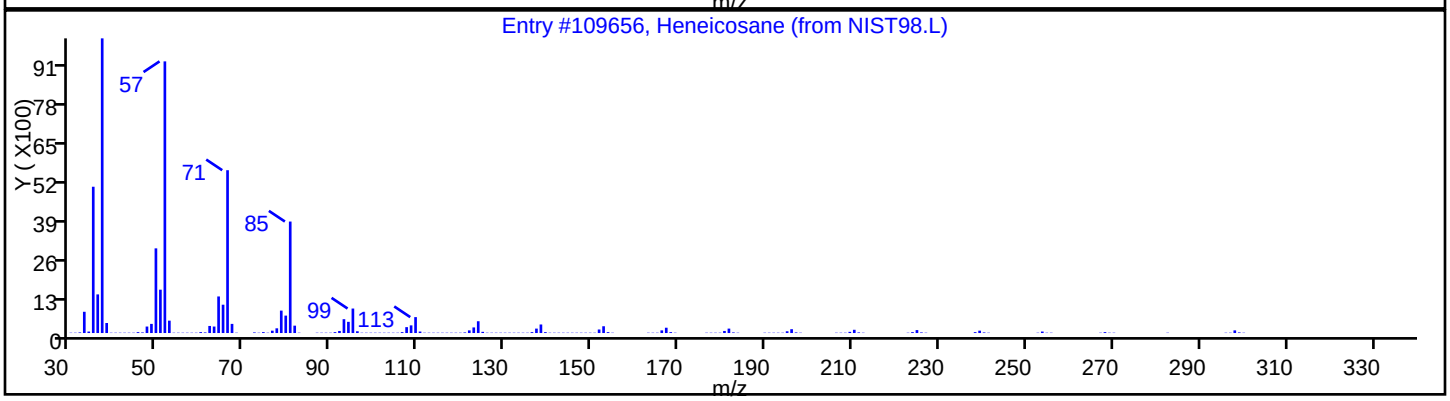
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112343	96
Pentacosane	629-99-2	NIST98.L	109667	91
Heneicosane	629-94-7	NIST98.L	109656	91









Report Date: 07-Oct-2009 12:08:22 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10744.D

Inj Date: 05-Oct-2009 21:18:30 Limit Group: SMS - 8270LL SVOA Calibration

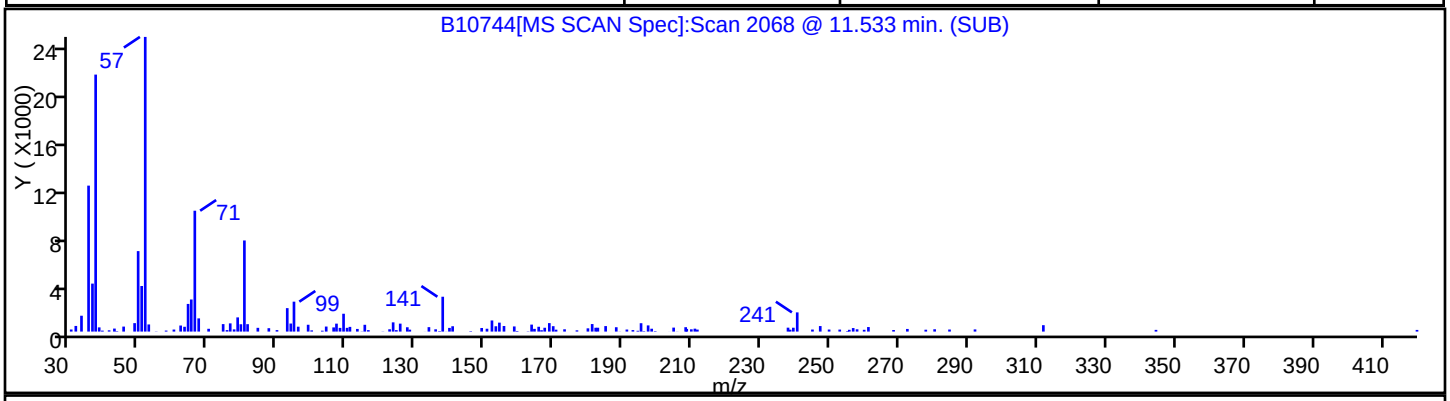
Lims Batch ID: 49955 Lims Sample ID: 14

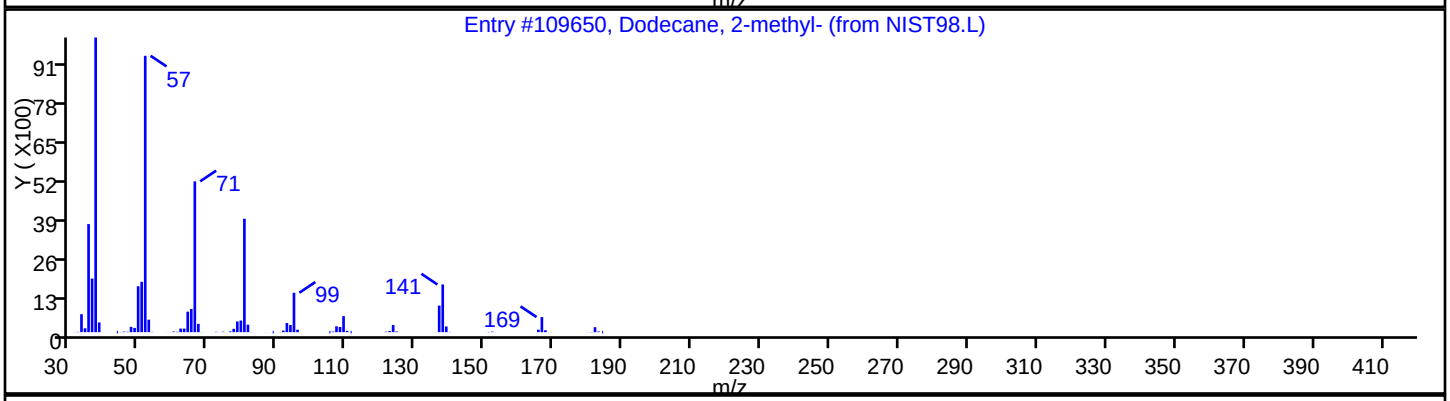
Client ID: Instrument: Inst. B

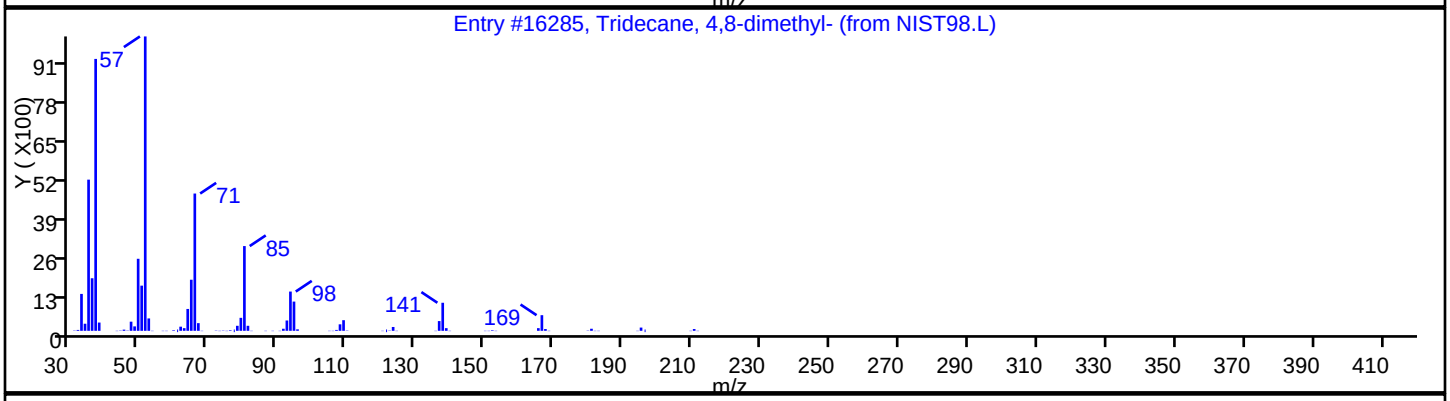
Sample Info: MB 360-49658/1-A

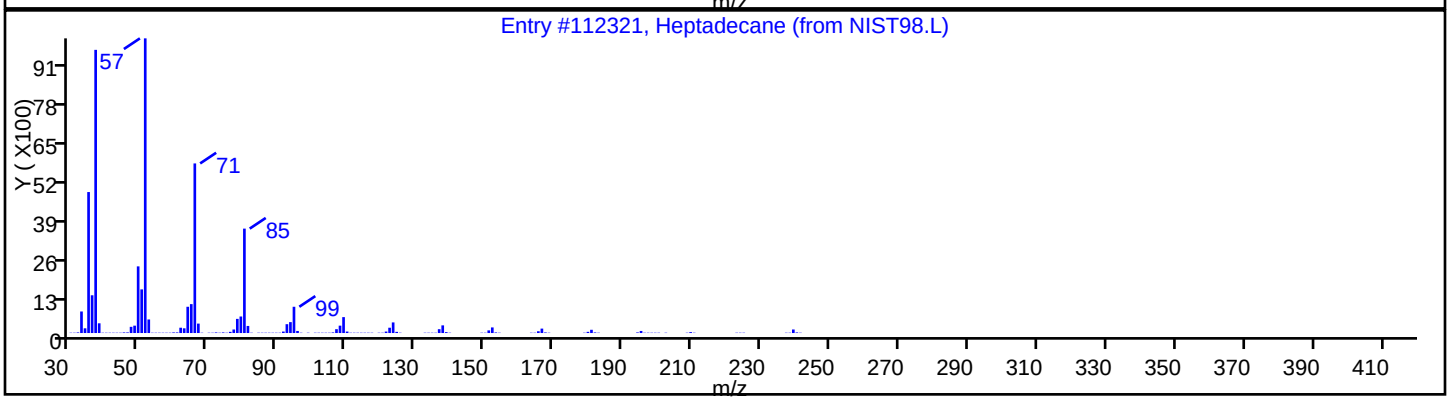
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Dodecane, 2-methyl-	1560-97-0	NIST98.L	109650	93
Tridecane, 4,8-dimethyl-	55030-62-1	NIST98.L	16285	87
Heptadecane	629-78-7	NIST98.L	112321	81









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: | Lab Sample ID: LCS 360-49658/2-A

Matrix: Solid | Lab File ID: B10745.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.00(g) | Date Analyzed: 10/05/2009 21:46

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.: 49955 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	254		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	240		33	10
120-82-1	1,2,4-Trichlorobenzene	208		33	10
95-50-1	1,2-Dichlorobenzene	183		33	10
541-73-1	1,3-Dichlorobenzene	170		33	10
106-46-7	1,4-Dichlorobenzene	170		33	10
90-12-0	1-Methylnaphthalene	214		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	188		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	226		33	10
95-95-4	2,4,5-Trichlorophenol	225		33	10
88-06-2	2,4,6-Trichlorophenol	246		33	10
120-83-2	2,4-Dichlorophenol	250		33	10
105-67-9	2,4-Dimethylphenol	258		33	13
51-28-5	2,4-Dinitrophenol	274		33	10
121-14-2	2,4-Dinitrotoluene	242		33	10
606-20-2	2,6-Dinitrotoluene	263		33	10
91-58-7	2-Chloronaphthalene	196		33	10
95-57-8	2-Chlorophenol	192		33	10
91-57-6	2-Methylnaphthalene	215		33	10
95-48-7	2-Methylphenol	205		33	20
88-74-4	2-Nitroaniline	241		170	10
88-75-5	2-Nitrophenol	210		33	10
15831-10-4	3 & 4 Methylphenol	209		33	10
91-94-1	3,3'-Dichlorobenzidine	282		67	10
99-09-2	3-Nitroaniline	258		170	10
534-52-1	4,6-Dinitro-2-methylphenol	295		170	10
101-55-3	4-Bromophenyl phenyl ether	265		33	10
59-50-7	4-Chloro-3-methylphenol	261		67	10
106-47-8	4-Chloroaniline	187		67	10
7005-72-3	4-Chlorophenyl phenyl ether	238		33	10
100-01-6	4-Nitroaniline	241		170	10
100-02-7	4-Nitrophenol	260		170	10
83-32-9	Acenaphthene	284		33	10
208-96-8	Acenaphthylene	227		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: | Lab Sample ID: LCS 360-49658/2-A

Matrix: Solid | Lab File ID: B10745.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.00(g) | Date Analyzed: 10/05/2009 21:46

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.: 49955 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	205		33	10
62-53-3	Aniline	76.3		33	10
120-12-7	Anthracene	314		33	10
1912-24-9	Atrazine	356		33	10
103-33-3	Azobenzene	256		33	10
100-52-7	Benzaldehyde	335		33	10
56-55-3	Benzo[a]anthracene	321		33	10
50-32-8	Benzo[a]pyrene	283		33	10
205-99-2	Benzo[b]fluoranthene	286		33	10
191-24-2	Benzo[g,h,i]perylene	332		33	10
207-08-9	Benzo[k]fluoranthene	311		33	10
65-85-0	Benzoic acid	258		170	15
119-61-9	Benzophenone	263		33	10
100-51-6	Benzyl alcohol	194		67	28
111-91-1	Bis(2-chloroethoxy)methane	221		33	10
111-44-4	Bis(2-chloroethyl)ether	181		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	288		33	10
85-68-7	Butyl benzyl phthalate	271		33	10
105-60-2	Caprolactam	222		33	10
86-74-8	Carbazole	291		33	10
218-01-9	Chrysene	296		33	10
53-70-3	Dibenz(a,h)anthracene	278		33	10
132-64-9	Dibenzofuran	247		33	10
84-66-2	Diethyl phthalate	264		33	10
131-11-3	Dimethyl phthalate	253		33	10
84-74-2	Di-n-butyl phthalate	341		33	29
117-84-0	Di-n-octyl phthalate	243		33	17
101-84-8	Diphenyl oxide	230		33	10
206-44-0	Fluoranthene	288		33	10
86-73-7	Fluorene	262		33	10
118-74-1	Hexachlorobenzene	288		33	10
87-68-3	Hexachlorobutadiene	204		33	10
77-47-4	Hexachlorocyclopentadiene	197		67	10
67-72-1	Hexachloroethane	176		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: | Lab Sample ID: LCS 360-49658/2-A

Matrix: Solid | Lab File ID: B10745.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.00(g) | Date Analyzed: 10/05/2009 21:46

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.: 49955 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	296		33	10
78-59-1	Isophorone	194		33	10
91-20-3	Naphthalene	221		80	10
98-95-3	Nitrobenzene	219		33	10
62-75-9	N-Nitrosodimethylamine	202		33	12
621-64-7	N-Nitrosodi-n-propylamine	198		33	10
86-30-6	N-Nitrosodiphenylamine	181		33	10
87-86-5	Pentachlorophenol	279		33	10
85-01-8	Phenanthrene	301		40	10
108-95-2	Phenol	178		33	10
129-00-0	Pyrene	295		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	65	30-130	
321-60-8	2-Fluorobiphenyl	62	30-130	
367-12-4	2-Fluorophenol	61	30-130	
4165-60-0	Nitrobenzene-d5	60	30-130	
4165-62-2	Phenol-d5	54	30-130	
1718-51-0	Terphenyl-d14	58	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10745.D		
Lims ID:	LCS 360-49658/2-A	Client ID:	
Inject. Date:	05-Oct-2009 21:46:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 360-49658/2-A		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49955	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 12:02:56	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	07-Oct-2009 12:08:28

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.446	6.450	-0.004	292313	2.00	
* 2 Naphthalene-d8	136	7.595	7.594	0.001	544694	2.00	
* 3 Acenaphthene-d10	164	9.076	9.076	0.000	248518	2.00	
* 4 Phenanthrene-d10	188	10.307	10.307	0.000	404172	2.00	
* 5 Chrysene-d12	240	12.616	12.610	0.006	364682	2.00	
* 6 Perylene-d12	264	15.001	15.000	0.001	204954	2.00	
$ 7 2-Fluorophenol	112	5.042	4.983	0.059	510506	6.09	
$ 8 Phenol-d5	99	6.143	6.128	0.015	637763	5.44	
$ 9 Nitrobenzene-d5	82	6.965	6.969	-0.004	316292	2.99	
$ 10 2-Fluorobiphenyl	172	8.514	8.513	0.001	584853	3.09	
$ 11 2,4,6-Tribromophenol	330	9.730	9.730	0.000	121622	6.51	
$ 12 Terphenyl-d14	244	11.620	11.624	-0.004	457069	2.90	
14 1,4-Dioxane	88	2.128	1.949	0.179	119010	3.43	M
16 Pyridine	79	2.522	2.353	0.169	380491	4.85	M
15 N-Nitrosodimethylamine	42	2.488	2.358	0.130	547067	6.06	M
17 Benzaldehyde	105	6.008	6.017	-0.009	418456	10.1	
19 Aniline	93	6.129	6.133	-0.004	337771	2.29	
18 Phenol	94	6.153	6.142	0.011	731478	5.35	
20 Bis(2-chloroethyl)ether	93	6.210	6.214	-0.004	476404	5.44	
21 2-Chlorophenol	128	6.249	6.243	0.006	589759	5.77	
22 1,4-Dichlorobenzene	146	6.383	6.387	-0.004	647260	5.10	
23 1,3-Dichlorobenzene	146	6.460	6.464	-0.004	684839	5.10	
24 Benzyl alcohol	79	6.600	6.599	0.001	612242	5.83	
25 1,2-Dichlorobenzene	146	6.600	6.604	-0.004	687027	5.49	
26 2-Methylphenol	108	6.720	6.710	0.010	563358	6.16	
27 2,2'-oxybis[1-chloropropane]	45	6.725	6.729	-0.004	1001755	5.64	
30 Acetophenone	105	6.831	6.835	-0.004	858133	6.16	
29 N-Nitrosodi-n-propylamine	70	6.845	6.844	0.001	472265	5.95	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	6.860	6.854	0.006	607271	6.27	
31 Hexachloroethane	117	6.908	6.912	-0.004	278644	5.27	
32 Nitrobenzene	77	6.985	6.984	0.001	693793	6.58	
33 Isophorone	82	7.201	7.200	0.001	963795	5.82	
34 2-Nitrophenol	139	7.268	7.267	0.001	317165	6.31	
35 2,4-Dimethylphenol	107	7.321	7.320	0.001	699851	7.75	
37 Bis(2-chloroethoxy)methane	93	7.398	7.397	0.001	609265	6.63	
36 Benzoic acid	105	7.422	7.479	-0.057	272467	7.75	
38 2,4-Dichlorophenol	162	7.485	7.479	0.006	530435	7.50	
39 1,2,4-Trichlorobenzene	180	7.547	7.551	-0.004	520234	6.23	
41 Naphthalene	128	7.615	7.614	0.000	1767678	6.63	
40 Alpha-Terpineol	59	7.629	7.628	0.001	570340	6.63	
42 4-Chloroaniline	127	7.667	7.667	0.000	586632	5.61	
43 Hexachlorobutadiene	225	7.725	7.729	-0.004	295390	6.12	
44 Caprolactam	55	7.975	7.950	0.025	247754	6.66	
45 4-Chloro-3-methylphenol	107	8.091	8.085	0.006	615081	7.84	
46 2-Methylnaphthalene	142	8.206	8.205	0.001	1193397	6.45	
47 1-Methylnaphthalene	142	8.288	8.287	0.001	1142572	6.42	
48 Hexachlorocyclopentadiene	237	8.336	8.340	-0.004	183539	5.91	
49 1,2,4,5-Tetrachlorobenzene	216	8.345	8.349	-0.004	501575	7.20	
50 2,4,6-Trichlorophenol	196	8.446	8.446	0.000	392647	7.38	
51 2,4,5-Trichlorophenol	196	8.480	8.474	0.006	372574	6.74	
52 1,1'-Biphenyl	154	8.596	8.595	0.001	1539317	7.62	
53 2-Chloronaphthalene	162	8.610	8.614	-0.004	1163568	5.89	
54 Phenyl ether	170	8.682	8.686	-0.004	762877	6.89	
68 4-Nitroaniline	138	8.701	8.700	0.001	427672	7.22	
56 Dimethyl phthalate	163	8.855	8.849	0.006	1387344	7.60	
57 2,6-Dinitrotoluene	165	8.903	8.902	0.001	300834	7.88	
58 Acenaphthylene	152	8.956	8.955	0.001	1736815	6.82	
59 3-Nitroaniline	138	9.043	9.042	0.001	303613	7.75	
61 Acenaphthene	153	9.100	9.104	-0.004	1434962	8.51	
60 2,4-Dinitrophenol	184	9.129	9.128	0.001	88553	8.23	
62 4-Nitrophenol	109	9.187	9.181	0.006	287667	7.79	
63 2,4-Dinitrotoluene	165	9.240	9.234	0.006	432988	7.27	
64 Dibenzofuran	168	9.245	9.244	0.001	1655577	7.41	
65 2,3,4,6-Tetrachlorophenol	232	9.350	9.350	0.000	253914	6.79	
66 Diethyl phthalate	149	9.437	9.431	0.006	1574077	7.93	
67 4-Chlorophenyl phenyl ether	204	9.528	9.528	0.000	729784	7.13	
69 Fluorene	166	9.533	9.528	0.005	1878339	7.85	
55 2-Nitroaniline	65	9.548	9.542	0.006	364852	7.24	
70 4,6-Dinitro-2-methylphenol	198	9.577	9.571	0.005	149266	8.84	
72 N-Nitrosodiphenylamine	169	9.629	9.624	0.005	832380	5.42	
74 Azobenzene	77	9.663	9.667	-0.004	2582961	7.69	
73 1,2-Diphenylhydrazine	77	9.663	9.667	-0.004	2582961	7.69	
13 Benzophenone	105	9.673	9.667	0.006	1382590	7.89	
75 4-Bromophenyl phenyl ether	248	9.932	9.931	0.001	328811	7.94	
76 Hexachlorobenzene	284	9.990	9.989	0.001	335667	8.65	
77 Atrazine	200	10.072	10.066	0.006	399144	10.7	
78 Pentachlorophenol	266	10.154	10.156	-0.002	177840	8.37	
79 Pentachloronitrobenzene	237	10.163	10.162	0.001	201458	6.99	
80 Phenanthrene	178	10.327	10.326	0.001	2182983	9.02	
81 Anthracene	178	10.370	10.364	0.006	2166633	9.42	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	10.500	10.499	0.001	1735765	8.73	
84 Di-n-butyl phthalate	149	10.788	10.783	0.005	3110308	10.2	
87 Fluoranthene	202	11.312	11.307	0.005	1925884	8.63	
86 Benzidine	184	11.418	11.430	-0.012	25157	0.8044	
85 Pyrene	202	11.500	11.494	0.006	2304616	8.84	
89 Butyl benzyl phthalate	149	12.034	12.033	0.001	1086470	8.14	
91 3,3'-Dichlorobenzidine	252	12.577	12.567	0.010	408001	8.47	
93 Benzo[a]anthracene	228	12.601	12.596	0.005	1742292	9.62	
92 Bis(2-ethylhexyl) phthalate	149	12.630	12.629	0.001	1688297	8.65	
94 Chrysene	228	12.645	12.639	0.006	1604091	8.87	
95 Di-n-octyl phthalate	149	13.573	13.572	0.001	2137817	7.30	
97 Benzo[b]fluoranthene	252	14.222	14.211	0.011	1192026	8.58	
98 Benzo[k]fluoranthene	252	14.275	14.264	0.011	1178417	9.33	
99 Benzo[a]pyrene	252	14.890	14.880	0.010	974169	8.49	
100 Indeno[1,2,3-cd]pyrene	276	16.448	16.443	0.005	776139	8.87	
101 Dibenz(a,h)anthracene	278	16.482	16.476	0.006	622271	8.35	
102 Benzo[g,h,i]perylene	276	16.785	16.779	0.006	624434	9.95	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 07-Oct-2009 12:08:28 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10745.D

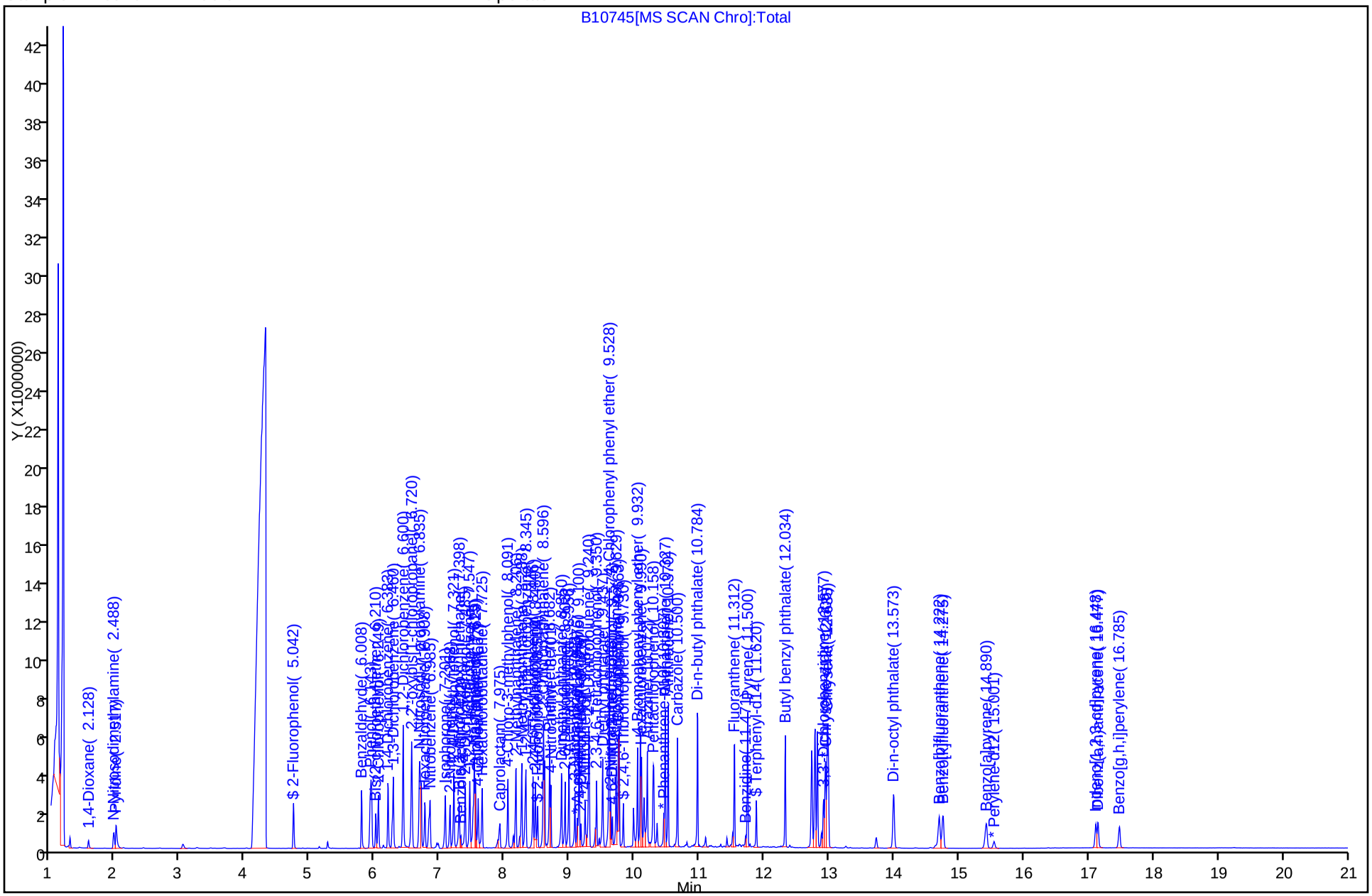
Inj Date: 05-Oct-2009 21:46:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49955 Lims Sample ID: 15

Client ID: Instrument: Inst. B

Sample Info: LCS 360-49658/2-A

Sample Amount: 1.00 ul Operator: MZ



Chrom Revision: 1.1 01-Oct-2009 08:19:20

User Selected Alternate Hit Report

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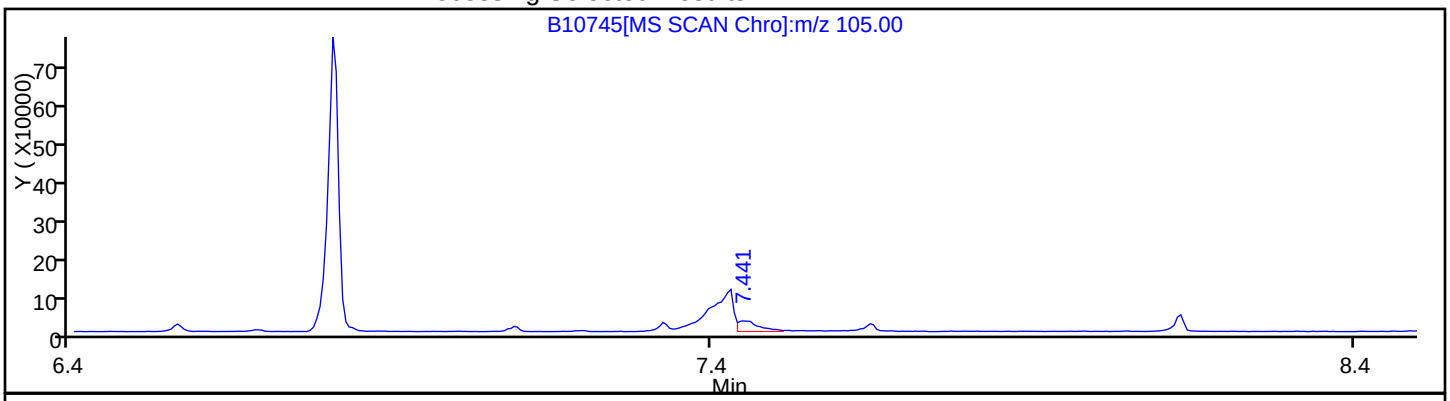
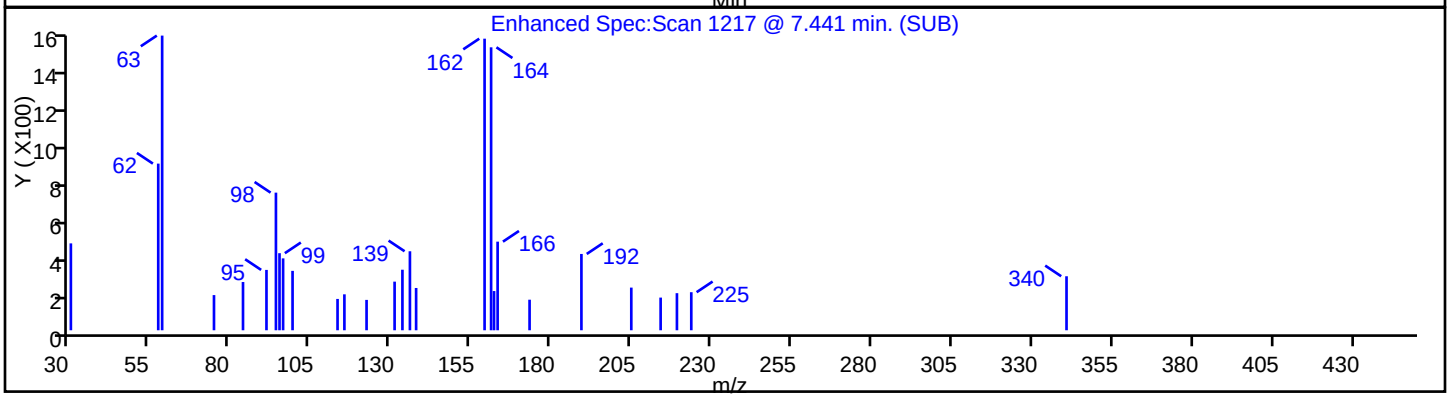
Inj Date:	05-Oct-2009 21:46:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49955	Lims Sample ID:	15
Client ID:		Instrument:	Inst. B
Sample Info:	LCS 360-49658/2-A		
Sample Amount:	1.00 ul	Operator:	MZ

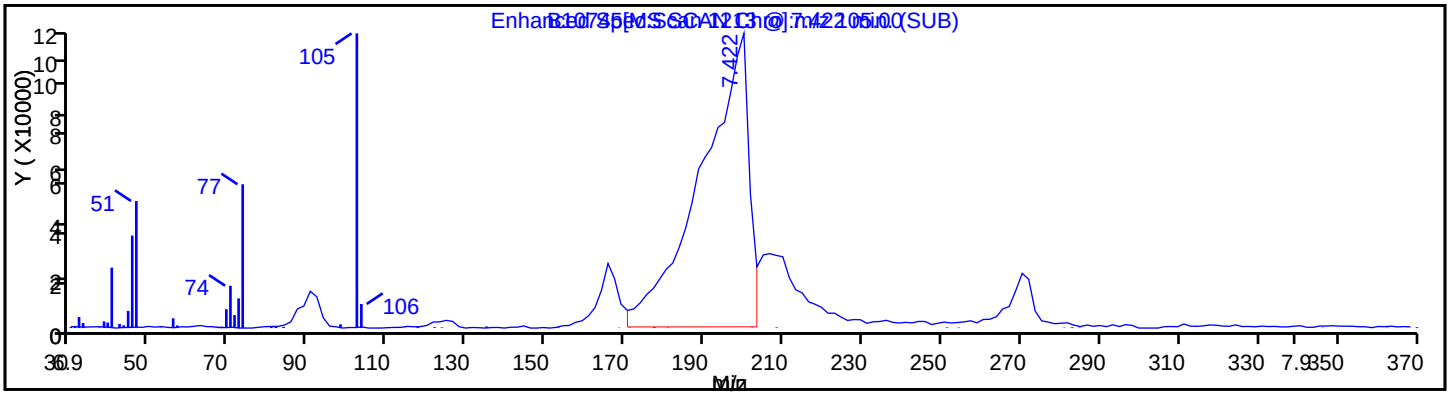
36 Benzoic acid

Processing Selected Results





Manual Selected Results



Reviewer: sullivanp, 07-Oct-2009 12:08:28

Audit Action: Selected Alternate Hit

Audit Reason:

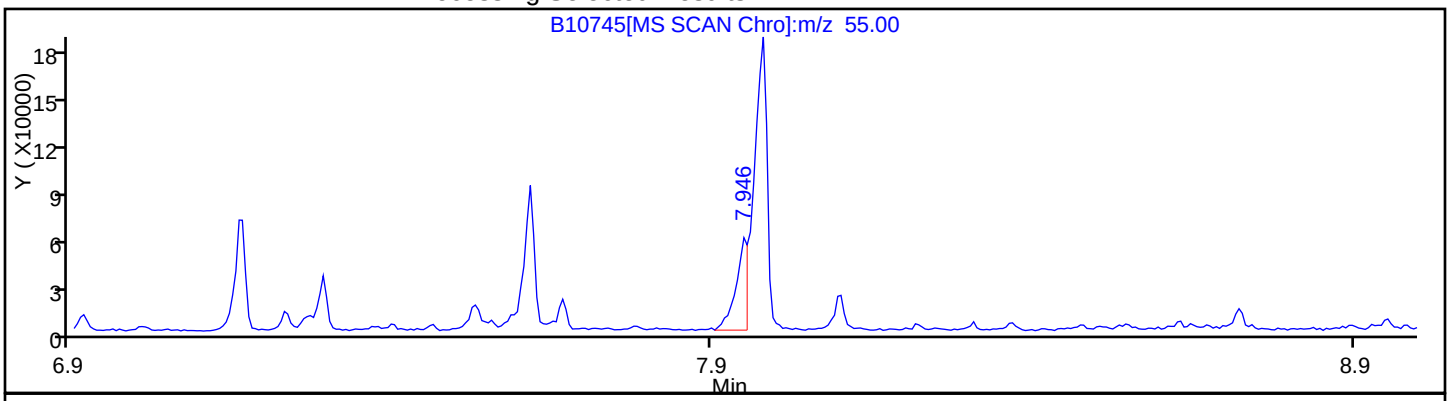
Chrom Revision: 1.1 01-Oct-2009 08:19:20

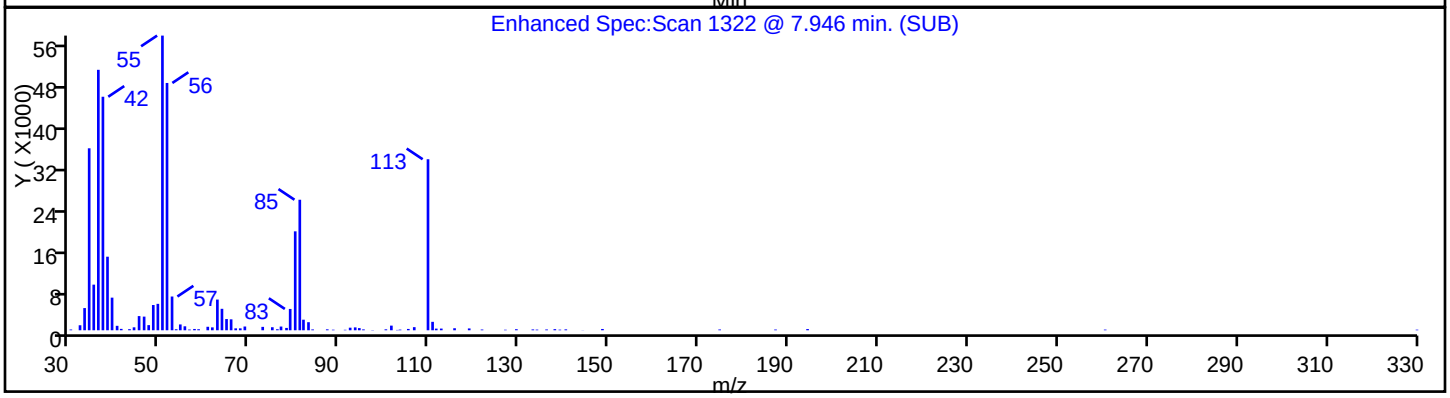
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10745.D		
Inj Date:	05-Oct-2009 21:46:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49955	Lims Sample ID:	15
Client ID:		Instrument:	Inst. B
Sample Info:	LCS 360-49658/2-A		
Sample Amount:	1.00 ul	Operator:	MZ

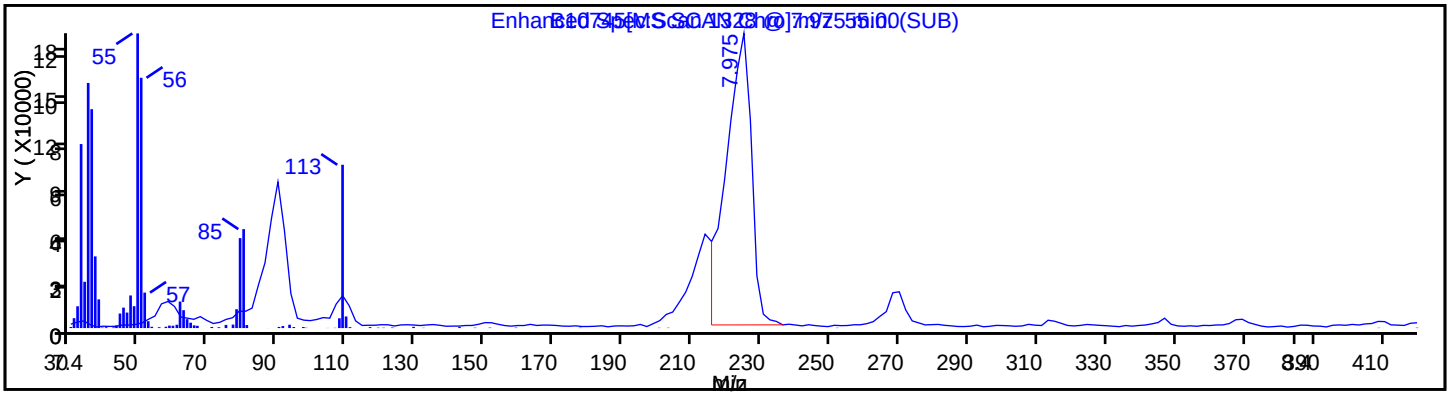
44 Caprolactam

Processing Selected Results





Manual Selected Results



Reviewer: sullivanp, 07-Oct-2009 12:08:28

Audit Action: Selected Alternate Hit

Audit Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: | Lab Sample ID: LCSD 360-49658/3-A

Matrix: Solid | Lab File ID: B10746.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.00(g) | Date Analyzed: 10/05/2009 22:14

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

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

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

Analysis Batch No.: 49955 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	275		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	252		33	10
120-82-1	1,2,4-Trichlorobenzene	219		33	10
95-50-1	1,2-Dichlorobenzene	185		33	10
541-73-1	1,3-Dichlorobenzene	172		33	10
106-46-7	1,4-Dichlorobenzene	176		33	10
90-12-0	1-Methylnaphthalene	229		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	192		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	251		33	10
95-95-4	2,4,5-Trichlorophenol	223		33	10
88-06-2	2,4,6-Trichlorophenol	258		33	10
120-83-2	2,4-Dichlorophenol	262		33	10
105-67-9	2,4-Dimethylphenol	272		33	13
51-28-5	2,4-Dinitrophenol	270		33	10
121-14-2	2,4-Dinitrotoluene	259		33	10
606-20-2	2,6-Dinitrotoluene	281		33	10
91-58-7	2-Chloronaphthalene	205		33	10
95-57-8	2-Chlorophenol	196		33	10
91-57-6	2-Methylnaphthalene	224		33	10
95-48-7	2-Methylphenol	210		33	20
88-74-4	2-Nitroaniline	262		170	10
88-75-5	2-Nitrophenol	220		33	10
15831-10-4	3 & 4 Methylphenol	213		33	10
91-94-1	3,3'-Dichlorobenzidine	296		67	10
99-09-2	3-Nitroaniline	277		170	10
534-52-1	4,6-Dinitro-2-methylphenol	302		170	10
101-55-3	4-Bromophenyl phenyl ether	274		33	10
59-50-7	4-Chloro-3-methylphenol	268		67	10
106-47-8	4-Chloroaniline	186		67	10
7005-72-3	4-Chlorophenyl phenyl ether	251		33	10
100-01-6	4-Nitroaniline	257		170	10
100-02-7	4-Nitrophenol	270		170	10
83-32-9	Acenaphthene	298		33	10
208-96-8	Acenaphthylene	240		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: | Lab Sample ID: LCSD 360-49658/3-A

Matrix: Solid | Lab File ID: B10746.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.00(g) | Date Analyzed: 10/05/2009 22:14

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

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

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

Analysis Batch No.: 49955 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	208		33	10
62-53-3	Aniline	82.9		33	10
120-12-7	Anthracene	331		33	10
1912-24-9	Atrazine	376		33	10
103-33-3	Azobenzene	267		33	10
100-52-7	Benzaldehyde	354		33	10
56-55-3	Benzo[a]anthracene	329		33	10
50-32-8	Benzo[a]pyrene	288		33	10
205-99-2	Benzo[b]fluoranthene	294		33	10
191-24-2	Benzo[g,h,i]perylene	351		33	10
207-08-9	Benzo[k]fluoranthene	305		33	10
65-85-0	Benzoic acid	269		170	15
119-61-9	Benzophenone	278		33	10
100-51-6	Benzyl alcohol	200		67	28
111-91-1	Bis(2-chloroethoxy)methane	232		33	10
111-44-4	Bis(2-chloroethyl)ether	185		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	301		33	10
85-68-7	Butyl benzyl phthalate	277		33	10
105-60-2	Caprolactam	223		33	10
86-74-8	Carbazole	300		33	10
218-01-9	Chrysene	302		33	10
53-70-3	Dibenz(a,h)anthracene	292		33	10
132-64-9	Dibenzofuran	263		33	10
84-66-2	Diethyl phthalate	278		33	10
131-11-3	Dimethyl phthalate	270		33	10
84-74-2	Di-n-butyl phthalate	369		33	29
117-84-0	Di-n-octyl phthalate	255		33	17
101-84-8	Diphenyl oxide	246		33	10
206-44-0	Fluoranthene	306		33	10
86-73-7	Fluorene	275		33	10
118-74-1	Hexachlorobenzene	308		33	10
87-68-3	Hexachlorobutadiene	207		33	10
77-47-4	Hexachlorocyclopentadiene	195		67	10
67-72-1	Hexachloroethane	181		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24686-2

SDG No.: OCRI-18A

Client Sample ID: | Lab Sample ID: LCSD 360-49658/3-A

Matrix: Solid | Lab File ID: B10746.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/29/2009 15:45

Sample wt/vol: 30.00(g) | Date Analyzed: 10/05/2009 22:14

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

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

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

Analysis Batch No.: 49955 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	279		33	10
78-59-1	Isophorone	204		33	10
91-20-3	Naphthalene	229		80	10
98-95-3	Nitrobenzene	234		33	10
62-75-9	N-Nitrosodimethylamine	200		33	12
621-64-7	N-Nitrosodi-n-propylamine	203		33	10
86-30-6	N-Nitrosodiphenylamine	192		33	10
87-86-5	Pentachlorophenol	297		33	10
85-01-8	Phenanthrene	314		40	10
108-95-2	Phenol	185		33	10
129-00-0	Pyrene	298		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	73	30-130	
321-60-8	2-Fluorobiphenyl	69	30-130	
367-12-4	2-Fluorophenol	65	30-130	
4165-60-0	Nitrobenzene-d5	66	30-130	
4165-62-2	Phenol-d5	59	30-130	
1718-51-0	Terphenyl-d14	63	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10746.D		
Lims ID:	LCSD 360-49658/3-A	Client ID:	
Inject. Date:	05-Oct-2009 22:14:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	LCSD 360-49658/3-A		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	49955	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\8270B.m		
Last Update:	07-Oct-2009 12:04:25	Calib Date:	05-Oct-2009 19:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20091007-1.b\B10740.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	07-Oct-2009 12:08:44

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.445	6.450	-0.005	290673	2.00	
* 2 Naphthalene-d8	136	7.595	7.594	0.001	530536	2.00	
* 3 Acenaphthene-d10	164	9.076	9.076	0.000	240153	2.00	
* 4 Phenanthrene-d10	188	10.307	10.307	0.000	402523	2.00	
* 5 Chrysene-d12	240	12.615	12.610	0.005	373089	2.00	
* 6 Perylene-d12	264	15.005	15.000	0.005	214126	2.00	
$ 7 2-Fluorophenol	112	5.046	4.983	0.063	545389	6.54	
$ 8 Phenol-d5	99	6.142	6.128	0.014	691150	5.93	
$ 9 Nitrobenzene-d5	82	6.965	6.969	-0.004	341439	3.31	
$ 10 2-Fluorobiphenyl	172	8.513	8.513	0.000	631347	3.45	
$ 11 2,4,6-Tribromophenol	330	9.735	9.730	0.005	135799	7.26	
$ 12 Terphenyl-d14	244	11.624	11.624	0.000	511101	3.16	
14 1,4-Dioxane	88	2.127	1.949	0.178	118871	3.44	M
16 Pyridine	79	2.517	2.353	0.164	340611	4.42	M
15 N-Nitrosodimethylamine	42	2.488	2.358	0.130	537571	5.99	M
17 Benzaldehyde	105	6.013	6.017	-0.004	439310	10.6	
19 Aniline	93	6.128	6.133	-0.005	365226	2.49	
18 Phenol	94	6.152	6.142	0.010	753770	5.54	
20 Bis(2-chloroethyl)ether	93	6.210	6.214	-0.004	483097	5.55	
21 2-Chlorophenol	128	6.248	6.243	0.005	598197	5.88	
22 1,4-Dichlorobenzene	146	6.388	6.387	0.001	666430	5.28	
23 1,3-Dichlorobenzene	146	6.460	6.464	-0.004	690387	5.17	
24 Benzyl alcohol	79	6.599	6.599	0.000	632507	6.01	
25 1,2-Dichlorobenzene	146	6.599	6.604	-0.005	690030	5.55	
26 2-Methylphenol	108	6.719	6.710	0.009	573397	6.31	
27 2,2'-oxybis[1-chloropropane]	45	6.724	6.729	-0.005	1015714	5.75	
30 Acetophenone	105	6.830	6.835	-0.005	864927	6.25	
29 N-Nitrosodi-n-propylamine	70	6.845	6.844	0.000	481193	6.09	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	6.859	6.854	0.005	617003	6.40	
31 Hexachloroethane	117	6.907	6.912	-0.005	285063	5.42	
32 Nitrobenzene	77	6.984	6.984	0.000	721360	7.03	
33 Isophorone	82	7.200	7.200	0.000	989553	6.13	
34 2-Nitrophenol	139	7.268	7.267	0.001	323012	6.59	
35 2,4-Dimethylphenol	107	7.321	7.320	0.001	718796	8.17	
37 Bis(2-chloroethoxy)methane	93	7.398	7.397	0.001	622265	6.96	
36 Benzoic acid	105	7.426	7.479	-0.053	280825	8.06	M
38 2,4-Dichlorophenol	162	7.484	7.479	0.005	542402	7.87	
39 1,2,4-Trichlorobenzene	180	7.547	7.551	-0.004	533744	6.56	
41 Naphthalene	128	7.614	7.614	0.000	1785128	6.88	
40 Alpha-Terpineol	59	7.628	7.628	0.000	574962	6.86	
42 4-Chloroaniline	127	7.667	7.667	0.000	567341	5.57	
43 Hexachlorobutadiene	225	7.725	7.729	-0.004	292161	6.22	
44 Caprolactam	55	7.979	7.950	0.029	242980	6.70	
45 4-Chloro-3-methylphenol	107	8.090	8.085	0.005	613512	8.03	
46 2-Methylnaphthalene	142	8.205	8.205	0.000	1211454	6.72	
47 1-Methylnaphthalene	142	8.287	8.287	0.000	1189557	6.86	
48 Hexachlorocyclopentadiene	237	8.335	8.340	-0.005	175292	5.86	
49 1,2,4,5-Tetrachlorobenzene	216	8.350	8.349	0.001	512645	7.55	
50 2,4,6-Trichlorophenol	196	8.446	8.446	0.000	398969	7.74	
51 2,4,5-Trichlorophenol	196	8.480	8.474	0.006	356786	6.68	
52 1,1'-Biphenyl	154	8.595	8.595	0.000	1612561	8.26	
53 2-Chloronaphthalene	162	8.614	8.614	0.000	1182378	6.15	
54 Phenyl ether	170	8.686	8.686	0.000	797198	7.39	
68 4-Nitroaniline	138	8.701	8.700	0.001	440872	7.70	
56 Dimethyl phthalate	163	8.855	8.849	0.006	1427597	8.09	
57 2,6-Dinitrotoluene	165	8.903	8.902	0.001	311234	8.44	
58 Acenaphthylene	152	8.960	8.955	0.005	1772467	7.20	
59 3-Nitroaniline	138	9.042	9.042	0.000	314916	8.32	
61 Acenaphthene	153	9.105	9.104	0.001	1454851	8.93	
60 2,4-Dinitrophenol	184	9.129	9.128	0.001	83352	8.09	
62 4-Nitrophenol	109	9.191	9.181	0.010	289644	8.11	
63 2,4-Dinitrotoluene	165	9.239	9.234	0.005	446981	7.77	
64 Dibenzofuran	168	9.249	9.244	0.005	1706173	7.90	
65 2,3,4,6-Tetrachlorophenol	232	9.350	9.350	0.000	273976	7.54	
66 Diethyl phthalate	149	9.436	9.431	0.005	1600809	8.34	
67 4-Chlorophenyl phenyl ether	204	9.528	9.528	0.000	752659	7.52	
69 Fluorene	166	9.533	9.528	0.005	1909130	8.25	
55 2-Nitroaniline	65	9.552	9.542	0.010	383065	7.87	
70 4,6-Dinitro-2-methylphenol	198	9.576	9.571	0.005	153679	9.06	
72 N-Nitrosodiphenylamine	169	9.629	9.624	0.005	879915	5.75	
74 Azobenzene	77	9.662	9.667	-0.005	2683326	8.02	
73 1,2-Diphenylhydrazine	77	9.662	9.667	-0.005	2683326	8.03	
13 Benzophenone	105	9.672	9.667	0.005	1455654	8.34	
75 4-Bromophenyl phenyl ether	248	9.937	9.931	0.006	338654	8.21	
76 Hexachlorobenzene	284	9.989	9.989	0.000	357063	9.24	
77 Atrazine	200	10.071	10.066	0.005	419970	11.3	
78 Pentachlorophenol	266	10.158	10.156	0.002	193753	8.91	
79 Pentachloronitrobenzene	237	10.163	10.162	0.001	209639	7.28	
80 Phenanthrene	178	10.326	10.326	0.000	2272201	9.43	
81 Anthracene	178	10.369	10.364	0.005	2273205	9.92	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	10.504	10.499	0.005	1782269	9.00	
84 Di-n-butyl phthalate	149	10.788	10.783	0.005	3353917	11.1	
87 Fluoranthene	202	11.312	11.307	0.005	2039203	9.17	
86 Benzidine	184	11.418	11.430	-0.012	26557	0.8480	
85 Pyrene	202	11.499	11.494	0.005	2384686	8.94	
89 Butyl benzyl phthalate	149	12.033	12.033	0.000	1134663	8.31	
91 3,3'-Dichlorobenzidine	252	12.577	12.567	0.010	437969	8.88	
93 Benzo[a]anthracene	228	12.605	12.596	0.009	1830928	9.88	
92 Bis(2-ethylhexyl) phthalate	149	12.629	12.629	0.000	1804995	9.04	
94 Chrysene	228	12.649	12.639	0.010	1677014	9.07	
95 Di-n-octyl phthalate	149	13.577	13.572	0.005	2346139	7.64	
97 Benzo[b]fluoranthene	252	14.226	14.211	0.015	1278913	8.82	
98 Benzo[k]fluoranthene	252	14.279	14.264	0.015	1209914	9.16	
99 Benzo[a]pyrene	252	14.894	14.880	0.014	1037464	8.65	
100 Indeno[1,2,3-cd]pyrene	276	16.448	16.443	0.005	761665	8.36	
101 Dibenz(a,h)anthracene	278	16.481	16.476	0.005	683237	8.75	
102 Benzo[g,h,i]perylene	276	16.789	16.779	0.010	690899	10.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 07-Oct-2009 12:08:44 Chrom Revision: 1.1 01-Oct-2009 08:19:20

Data File: \\wessvr06\chromdata\INSTB.i\20091007-1.b\B10746.D

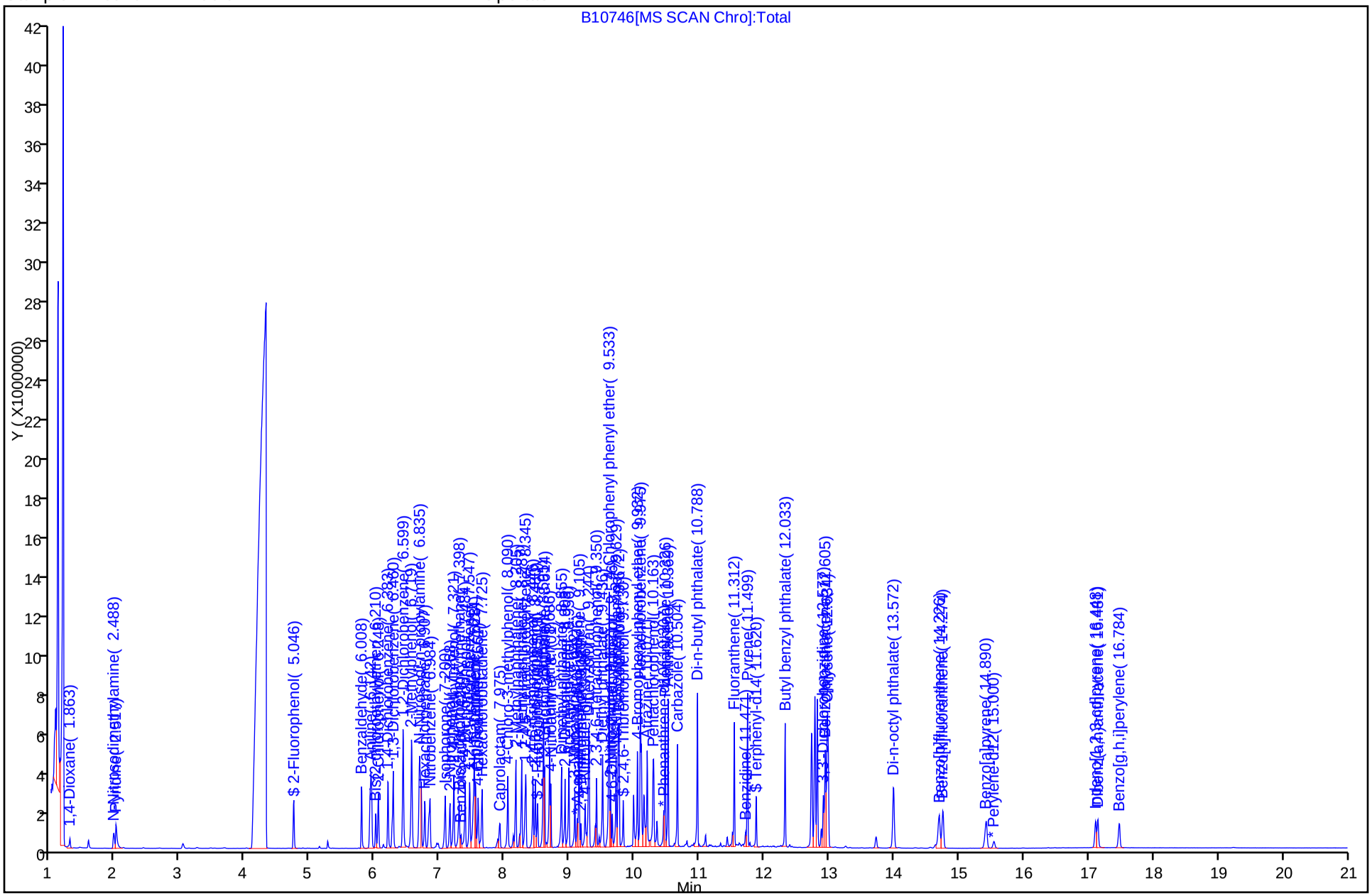
Inj Date: 05-Oct-2009 22:14:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49955 Lims Sample ID: 16

Client ID: Instrument: Inst. B

Sample Info: LCSD 360-49658/3-A

Sample Amount: 1.00 ul Operator: MZ



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Instrument ID: Inst. B Start Date: 10/05/2009 15:17

Analysis Batch Number: 49953 End Date: 10/05/2009 19:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49953/1		10/05/2009 15:17	1	B10731.D	Rtx-5ms 0.25(um)
STD5 360-49953/2 ICIS		10/05/2009 15:45	1	B10732.D	Rtx-5ms 0.25(um)
STD01 360-49953/3 IC		10/05/2009 16:12	1	B10733.D	Rtx-5ms 0.25(um)
STD025 360-49953/4 IC		10/05/2009 16:40	1	B10734.D	Rtx-5ms 0.25(um)
STD05 360-49953/5 IC		10/05/2009 17:08	1	B10735.D	Rtx-5ms 0.25(um)
STD1 360-49953/6 IC		10/05/2009 17:36	1	B10736.D	Rtx-5ms 0.25(um)
STD25 360-49953/7 IC		10/05/2009 18:04	1	B10737.D	Rtx-5ms 0.25(um)
STD8 360-49953/8 IC		10/05/2009 18:32	1	B10738.D	Rtx-5ms 0.25(um)
STD10 360-49953/9 IC		10/05/2009 18:59	1	B10739.D	Rtx-5ms 0.25(um)
STD20 360-49953/10 IC		10/05/2009 19:27	1	B10740.D	Rtx-5ms 0.25(um)
ICV 360-49953/11		10/05/2009 19:55	1		Rtx-5ms 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Instrument ID: Inst. B Start Date: 10/05/2009 20:23

Analysis Batch Number: 49955 End Date: 10/06/2009 06:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49955/12		10/05/2009 20:23	1	B10742.D	Rtx-5ms 0.25(um)
CCV 360-49955/13 CCVIS		10/05/2009 20:50	1	B10743.D	Rtx-5ms 0.25(um)
MB 360-49658/1-A		10/05/2009 21:18	1	B10744.D	Rtx-5ms 0.25(um)
LCS 360-49658/2-A		10/05/2009 21:46	1	B10745.D	Rtx-5ms 0.25(um)
LCSD 360-49658/3-A		10/05/2009 22:14	1	B10746.D	Rtx-5ms 0.25(um)
360-24686-1	OC-SB-400-17/19-XXX	10/05/2009 22:41	1	B10747.D	Rtx-5ms 0.25(um)
ZZZZZ		10/05/2009 23:09	10		Rtx-5ms 0.25(um)
ZZZZZ		10/05/2009 23:37	1		Rtx-5ms 0.25(um)
ZZZZZ		10/06/2009 00:04	1		Rtx-5ms 0.25(um)
ZZZZZ		10/06/2009 00:32	10		Rtx-5ms 0.25(um)
ZZZZZ		10/06/2009 01:00	1		Rtx-5ms 0.25(um)
ZZZZZ		10/06/2009 01:27	10		Rtx-5ms 0.25(um)
360-24686-8	OC-SB-473-13/15-XXX	10/06/2009 01:55	1	B10754.D	Rtx-5ms 0.25(um)
ZZZZZ		10/06/2009 02:23	1		Rtx-5ms 0.25(um)
ZZZZZ		10/06/2009 02:50	1		Rtx-5ms 0.25(um)
ZZZZZ		10/06/2009 03:18	1		Rtx-5ms 0.25(um)
ZZZZZ		10/06/2009 03:45	1		Rtx-5ms 0.25(um)
ZZZZZ		10/06/2009 04:13	10		Rtx-5ms 0.25(um)
ZZZZZ		10/06/2009 04:41	10		Rtx-5ms 0.25(um)
ZZZZZ		10/06/2009 05:08	10		Rtx-5ms 0.25(um)
ZZZZZ		10/06/2009 05:36	1		Rtx-5ms 0.25(um)
ZZZZZ		10/06/2009 06:03	1		Rtx-5ms 0.25(um)

Organic Prep Worksheet

Batch Number: 360-49658
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 29 2009 3:45PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00011	OlinLCSextras_00002	OP-abnms_00064
MB~360-49658/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-49658/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-49658/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24686-A-1	OC-SB-400-17/19-XXX		T	30.86 g	1.0 mL	50 uL		
360-24686-A-2	OC-SB-435-0.0/1.0-XXX		T	30.18 g	1.0 mL	50 uL		
360-24686-A-3	OC-SB-435-11/15-XXX		T	30.28 g	1.0 mL	50 uL		
360-24686-A-4	OC-SB-435-6.0/10-XXX		T	30.37 g	1.0 mL	50 uL		
360-24686-A-5	OC-SB-453-0.0/1.0-XXX		T	15.49 g	5.0 mL	50 uL		
360-24686-A-6	OC-SB-453-1.0/6.0-XXX		T	30.83 g	1.0 mL	50 uL		
360-24686-A-7	OC-SB-473-0.0/1.0-XXX		T	30.17 g	1.0 mL	50 uL		
360-24686-A-8	OC-SB-473-13/15-XXX		T	30.76 g	1.0 mL	50 uL		
360-24686-A-9	OC-SB-473-4.0/6.0-XXX		T	30.22 g	1.0 mL	50 uL		
360-24686-A-10	OC-SS-453-0.0/1.0-XXX		T	30.18 g	1.0 mL	50 uL		
360-24686-A-11	OC-SS-457-0.0/1.0-XXX		T	30.49 g	1.0 mL	50 uL		
360-24686-A-13	OC-SS-456-0.0/1.0-XXX		T	30.61 g	1.0 mL	50 uL		
360-24686-A-14	OC-SS-458-0.0/1.0-XXX		T	30.11 g	1.0 mL	50 uL		
360-24686-A-15	OC-SS-459-0.0/1.0-XXX		T	30.14 g	1.0 mL	50 uL		
360-24686-A-16	OC-SS-461-0.0/1.0-XXX		T	30.21 g	1.0 mL	50 uL		
360-24686-A-9~MS			T	30.76 g	1.0 mL	50 uL	.100 mL	100 uL
360-24686-A-9~MSD			T	30.80 g	1.0 mL	50 uL	.100 mL	100 uL
360-24686-A-1	OC-SB-400-17/19-XXX	3546, 8270C LL	T	30.86 g	1.0 mL	50 uL		
360-24686-A-8	OC-SB-473-13/15-XXX	3546, 8270C LL	T	30.76 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-49658
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 29 2009 3:45PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~360-49658/1		3546, 8270C LL		
LCS~360-49658/2		3546, 8270C LL		
LCSD~360-49658/3		3546, 8270C LL		
360-24686-A-1	OC-SB-400-17/19-XXX		T	
360-24686-A-2	OC-SB-435-0.0/1.0-XXX		T	
360-24686-A-3	OC-SB-435-11/15-XXX		T	
360-24686-A-4	OC-SB-435-6.0/10-XXX		T	
360-24686-A-5	OC-SB-453-0.0/1.0-XXX		T	sample dried out @ full volume
360-24686-A-6	OC-SB-453-1.0/6.0-XXX		T	
360-24686-A-7	OC-SB-473-0.0/1.0-XXX		T	
360-24686-A-8	OC-SB-473-13/15-XXX		T	
360-24686-A-9	OC-SB-473-4.0/6.0-XXX		T	
360-24686-A-10	OC-SS-453-0.0/1.0-XXX		T	
360-24686-A-11	OC-SS-457-0.0/1.0-XXX		T	
360-24686-A-13	OC-SS-456-0.0/1.0-XXX		T	
360-24686-A-14	OC-SS-458-0.0/1.0-XXX		T	
360-24686-A-15	OC-SS-459-0.0/1.0-XXX		T	
360-24686-A-16	OC-SS-461-0.0/1.0-XXX		T	
360-24686-A-9~MS			T	
360-24686-A-9~MSD			T	
360-24686-A-1	OC-SB-400-17/19-XXX	3546, 8270C LL	T	
360-24686-A-8	OC-SB-473-13/15-XXX	3546, 8270C LL	T	

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24686-2

SDG No.: OCRI-18A

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SB-473-13/15-XXX	360-24686-8

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-473-13/15-XXX
Lab Sample ID: 360-24686-8
Lab Name: TestAmerica Westfield
Job No.: 360-24686-2
SDG ID.: OCRI-18A
Matrix: Solid
Date Sampled: 09/18/2009 09:20
Reporting Basis: DRY
Date Received: 09/18/2009 17:00
% Solids: 91.2

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7300	3.2	0.83	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.64	0.23	mg/Kg			1	6010B
7440-38-2	Arsenic	5.3	1.3	0.12	mg/Kg			1	6010B
7440-39-3	Barium	29	0.64	0.083	mg/Kg			1	6010B
7440-41-7	Beryllium	0.26	0.26	0.032	mg/Kg			1	6010B
7440-43-9	Cadmium	0.29	0.26	0.0090	mg/Kg		B	1	6010B
7440-70-2	Calcium	1500	13	3.2	mg/Kg		B	1	6010B
7440-47-3	Chromium	230	0.64	0.085	mg/Kg			1	6010B
7440-48-4	Cobalt	5.9	0.64	0.083	mg/Kg			1	6010B
7440-50-8	Copper	11	1.3	0.083	mg/Kg			1	6010B
7439-89-6	Iron	14000	6.4	1.0	mg/Kg		B	1	6010B
7439-92-1	Lead	2.2	0.64	0.073	mg/Kg		B	1	6010B
7439-95-4	Magnesium	3000	13	0.64	mg/Kg		B	1	6010B
7439-96-5	Manganese	170	1.3	0.086	mg/Kg			1	6010B
7440-02-0	Nickel	5.5	1.3	0.083	mg/Kg			1	6010B
7440-09-7	Potassium	1800	260	40	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.64	0.30	mg/Kg			1	6010B
7440-22-4	Silver	3.2	0.64	0.064	mg/Kg			1	6010B
7440-23-5	Sodium	25	130	17	mg/Kg	J		1	6010B
7440-28-0	Thallium	0.16	1.3	0.093	mg/Kg	J		1	6010B
7440-62-2	Vanadium	15	1.3	0.083	mg/Kg			1	6010B
7440-66-6	Zinc	27	3.2	0.75	mg/Kg			1	6010B
7440-31-5	Tin	97	6.4	0.41	mg/Kg		^ B	1	6010B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-50268/6 10/13/2009 10:29				CCV 360-50268/13 10/13/2009 10:49				CCV 360-50268/20 10/13/2009 11:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	1000		1000	100	985		1000	99	990		1000	99
Al	994		1000	99	4930		5000	99	4960		5000	99
As	986		1000	99	986		1000	99	993		1000	99
Ba	995		1000	100	987		1000	99	995		1000	99
Be	996		1000	100	984		1000	98	991		1000	99
Cd	1000		1000	100	983		1000	98	987		1000	99
Co	1000		1000	100	984		1000	98	987		1000	99
Cr	986		1000	99	984		1000	98	989		1000	99
Cu	982		1000	98	982		1000	98	996		1000	100
Fe	987		1000	99	5000		5000	100	5010		5000	100
K	9100		10000	91	19500		20000	98	19500		20000	98
Mn	996		1000	100	984		1000	98	989		1000	99
Ni	998		1000	100	983		1000	98	982		1000	98
Pb	1000		1000	100	982		1000	98	987		1000	99
Sb	955		1000	95	987		1000	99	993		1000	99
Se	1000		1000	100	990		1000	99	992		1000	99
Tl	998		1000	100	986		1000	99	991		1000	99
V	996		1000	100	984		1000	98	989		1000	99
Zn	1010		1000	101	981		1000	98	983		1000	98

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-50268/22 10/13/2009 15:24				CCV 360-50268/32 10/13/2009 15:59				CCV 360-50268/40 10/13/2009 16:22			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	982		1000	98	983		1000	98	987		1000	99
Al	4920		5000	98	4940		5000	99	4950		5000	99
As	970		1000	97	973		1000	97	975		1000	97
Ba	990		1000	99	994		1000	99	994		1000	99
Be	971		1000	97	976		1000	98	977		1000	98
Cd	962		1000	96	966		1000	97	970		1000	97
Co	968		1000	97	972		1000	97	975		1000	97
Cr	970		1000	97	974		1000	97	976		1000	98
Cu	981		1000	98	987		1000	99	988		1000	99
Fe	4950		5000	99	4960		5000	99	4980		5000	100
K	19000		20000	95	19800		20000	99	19300		20000	97
Mn	972		1000	97	976		1000	98	978		1000	98
Ni	963		1000	96	966		1000	97	969		1000	97
Pb	969		1000	97	972		1000	97	976		1000	98
Sb	981		1000	98	984		1000	98	986		1000	99
Se	962		1000	96	975		1000	97	975		1000	97
Tl	970		1000	97	976		1000	98	978		1000	98
V	974		1000	97	978		1000	98	980		1000	98
Zn	953		1000	95	956		1000	96	961		1000	96

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-50268/6 10/13/2009 10:29				CCV 360-50268/13 10/13/2009 10:49				CCV 360-50268/20 10/13/2009 11:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	9920		10000	99	19600		20000	98	19700		20000	98
Mg	9850		10000	98	19600		20000	98	19700		20000	99
Na	9210		10000	92	19700		20000	99	19800		20000	99
Sn	989		1000	99	981		1000	98	987		1000	99

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-50268/22 10/13/2009 15:24				CCV 360-50268/32 10/13/2009 15:59				CCV 360-50268/40 10/13/2009 16:22			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	19300		20000	97	19400		20000	97	19500		20000	97
Mg	19300		20000	97	19400		20000	97	19500		20000	97
Na	19700		20000	98	19600		20000	98	19700		20000	99
Sn	968		1000	97	972		1000	97	974		1000	97

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.: 360-24686-2

SDG No.: OCRI-18A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-50268/8 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	10.9		109	70-130
Arsenic	10.0	9.09	J	91	70-130
Barium	10.0	11.3		113	70-130
Beryllium	1.00	1.00		100	70-130
Cadmium	1.00	1.05		105	70-130
Calcium	400	415		104	70-130
Chromium	5.00	5.29		106	70-130
Cobalt	10.0	11.2		112	70-130
Copper	10.0	11.0		110	70-130
Iron	100	107		107	70-130
Lead	5.00	5.90		118	70-130
Magnesium	400	426		107	70-130
Manganese	10.0	10.6		106	70-130
Nickel	10.0	10.7		107	70-130
Potassium	4000	3410	J	85	70-130
Selenium	10.0	11.7		117	70-130
Silver	5.00	4.05	J	81	70-130
Sodium	2000	2030		102	70-130
Thallium	10.0	10.5		105	70-130
Vanadium	10.0	10.5		105	70-130
Zinc	50.0	52.8		106	70-130
Tin	50.0	30.4	J	61	70-130

Lab Sample ID: CRI 360-50268/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	6.00	5.54	J	92	70-130
Arsenic	50.0	50.0		100	70-130
Barium	2000	2180		109	70-130
Beryllium	4.00	4.16		104	70-130
Cadmium	5.00	5.25		105	70-130
Chromium	100	108		108	70-130
Lead	15.0	17.7		118	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.: 360-24686-2

SDG No.: OCRI-18A

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-50268/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Nickel	100	110		110	70-130
Selenium	50.0	49.1		98	70-130
Silver	7.00	7.48		107	70-130
Vanadium	50.0	52.4		105	70-130
Zinc	900	953		106	70-130

Lab Sample ID: CRI 360-50268/19 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Thallium	2.00	2.31	J	116	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.: 360-24686-2

SDG No.: OCRI-18A

Concentration Units: ug/L

Analyte	RL	ICB 360-50268/7 10/13/2009 10:31		CCB 360-50268/14 10/13/2009 10:52		CCB 360-50268/21 10/13/2009 11:29		CCB 360-50268/23 10/13/2009 15:27	
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND		ND		ND	
Al	100	ND		ND		ND		ND	
As	10	ND		ND		ND		ND	
Ba	10	ND		ND		ND		ND	
Be	1.0	ND		ND		ND		ND	
Ca	400	ND		ND		ND		ND	
Cd	1.0	ND		ND		ND		ND	
Co	10	ND		ND		ND		ND	
Cr	5.0	ND		ND		ND		ND	
Cu	10	ND		ND		ND		ND	
Fe	100	ND		ND		ND		ND	
K	4000	ND		ND		ND		ND	
Mg	400	ND		ND		ND		ND	
Mn	10	ND		ND		ND		ND	
Na	2000	ND		ND		ND		ND	
Ni	10	ND		ND		ND		ND	
Pb	5.0	ND		ND		ND		ND	
Sb	10	4.16	J	ND		ND		ND	
Se	10	4.90	J	4.79	J	3.39	J	2.91	J
Sn	50	ND		ND		ND		ND	
Tl	10	ND		1.94	J	ND		2.39	J
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.: 360-24686-2

SDG No.: OCRI-18A

Concentration Units: ug/L

Analyte	RL	CCB 360-50268/33 10/13/2009 16:02		CCB 360-50268/41 10/13/2009 16:25					
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND					
Al	100	ND		ND					
As	10	ND		ND					
Ba	10	ND		ND					
Be	1.0	ND		ND					
Ca	400	ND		ND					
Cd	1.0	ND		ND					
Co	10	ND		ND					
Cr	5.0	ND		ND					
Cu	10	ND		ND					
Fe	100	ND		ND					
K	4000	ND		ND					
Mg	400	ND		ND					
Mn	10	ND		ND					
Na	2000	ND		ND					
Ni	10	ND		ND					
Pb	5.0	ND		ND					
Sb	10	ND		ND					
Se	10	3.48	J	ND					
Sn	50	ND		ND					
Tl	10	2.00	J	ND					
V	10	ND		ND					
Zn	50	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Concentration Units: mg/Kg Lab Sample ID: MB 360-50202/1-A

Instrument Code: Varian ICP Batch No.: 50268

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010B
7440-36-0	Antimony	ND			6010B
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	0.00782	J		6010B
7440-70-2	Calcium	6.72	J		6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	2.71	J		6010B
7439-92-1	Lead	0.132	J		6010B
7439-95-4	Magnesium	1.76	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	0.417	J		6010B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Lab Sample ID: ICSA 360-50268/10 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		**0.103**	
Al	**100000**	**111307**	**111**
As		**0.715**	
Ba		**0.379**	
Be		**0.0101**	
Ca	**100000**	**106873**	**107**
Cd		**0.765**	
Co		**2.14**	
Cr		**0.459**	
Cu		**0.508**	
Fe	**40000**	**42554**	**106**
K		**895**	
Mg	**100000**	**107691**	**108**
Mn		**3.13**	
Na		**129**	
Ni		**4.82**	
Pb		**-1.56**	
Sb		**-0.952**	
Se		**0.366**	
Sn		**2.09**	
Tl		**0.303**	
V		**1.92**	
Zn		**0.808**	
B		*6.57*	
Li		*0.988*	
Mo		*0.893*	
Si		*-2.56*	
Si		*-1.17*	
SiO2		*-5.48*	
Sr		*0.596*	
Ti		*1.59*	
Zr		*0.536*	

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.: 360-24686-2

SDG No.: OCRI-18A

Lab Sample ID: ICSAB 360-50268/11 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**	**605**	**101**
Al	**100000**	**109806**	**110**
As	**2000**	**1951**	**98**
Ba	**600**	**582**	**97**
Be	**200**	**189**	**95**
Ca	**100000**	**104502**	**105**
Cd	**600**	**563**	**94**
Co	**600**	**566**	**94**
Cr	**600**	**561**	**93**
Cu	**600**	**595**	**99**
Fe	**40000**	**41991**	**105**
K	**40000**	**41776**	**104**
Mg	**100000**	**104907**	**105**
Mn	**400**	**378**	**95**
Na		**-117**	
Ni	**600**	**567**	**94**
Pb	**2000**	**1840**	**92**
Sb		**940**	
Se	**1000**	**970**	**97**
Sn		**251**	
Tl	**2000**	**1851**	**93**
V	**600**	**577**	**96**
Zn	**600**	**546**	**91**
B		*5.13*	
Li		*0.885*	
Mo		*0.520*	
Si		*-2.28*	
Si		*0.148*	
SiO2		*-4.87*	
Sr		*0.618*	
Ti		*1.60*	
Zr		*1.70*	

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.: 360-24686-2

SDG No.: OCRI-18A

Lab Sample ID: ICSA 360-50268/42 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		**0.222**	
Al	**100000**	**111326**	**111**
As		**0.485**	
Ba		**0.329**	
Be		**0.0314**	
Ca	**100000**	**111398**	**111**
Cd		**0.926**	
Co		**1.73**	
Cr		**0.593**	
Cu		**0.850**	
Fe	**40000**	**43337**	**108**
K		**2371**	
Mg	**100000**	**109810**	**110**
Mn		**3.17**	
Na		**178**	
Ni		**4.88**	
Pb		**-1.33**	
Sb		**-0.808**	
Se		**-2.11**	
Sn		**4.65**	
Tl		**0.580**	
V		**1.85**	
Zn		**0.377**	
B		*0.416*	
Li		*0.796*	
Mo		*0.169*	
Si		*-1.54*	
Si		*0.592*	
SiO2		*-3.30*	
Sr		*0.602*	
Ti		*1.58*	
Zr		*0.537*	

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.: 360-24686-2

SDG No.: OCRI-18A

Lab Sample ID: ICSAB 360-50268/43 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**	**628**	**105**
Al	**100000**	**110596**	**111**
As	**2000**	**1984**	**99**
Ba	**600**	**586**	**98**
Be	**200**	**194**	**97**
Ca	**100000**	**110574**	**111**
Cd	**600**	**585**	**97**
Co	**600**	**588**	**98**
Cr	**600**	**571**	**95**
Cu	**600**	**598**	**100**
Fe	**40000**	**43286**	**108**
K	**40000**	**43409**	**109**
Mg	**100000**	**108606**	**109**
Mn	**400**	**387**	**97**
Na		**102**	
Ni	**600**	**576**	**96**
Pb	**2000**	**1877**	**94**
Sb		**944**	
Se	**1000**	**997**	**100**
Sn		**276**	
Tl	**2000**	**1912**	**96**
V	**600**	**597**	**99**
Zn	**600**	**577**	**96**
B		*1.68*	
Li		*0.728*	
Mo		*0.318*	
Si		*-0.444*	
Si		*2.42*	
SiO2		*-0.950*	
Sr		*0.634*	
Ti		*1.63*	
Zr		*1.79*	

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

FORM IVA-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-50202/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

Sample Matrix: Solid LCS Source: stlma-3_00041

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	250	223		89	80	120		6010B
Antimony	50.0	42.9		86	80	120		6010B
Arsenic	50.0	44.2		88	80	120		6010B
Barium	50.0	46.3		93	80	120		6010B
Beryllium	50.0	45.2		90	80	120		6010B
Cadmium	50.0	44.2		88	80	120		6010B
Calcium	1000	909		91	80	120		6010B
Chromium	50.0	45.7		91	80	120		6010B
Cobalt	50.0	45.0		90	80	120		6010B
Copper	50.0	46.1		92	80	120		6010B
Iron	250	230		92	80	120		6010B
Lead	50.0	44.3		89	80	120		6010B
Magnesium	1000	871		87	80	120		6010B
Manganese	50.0	45.5		91	80	120		6010B
Nickel	50.0	44.3		89	80	120		6010B
Potassium	1000	849		85	80	120		6010B
Selenium	50.0	44.4		89	80	120		6010B
Silver	50.0	45.2		90	80	120		6010B
Sodium	1000	865		86	80	120		6010B
Thallium	50.0	44.0		88	80	120		6010B
Vanadium	50.0	45.8		92	80	120		6010B
Zinc	50.0	43.6		87	80	120		6010B
Tin	50.0	45.0		90	80	120		6010B

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 360-50202/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

Sample Matrix: Solid LCS Source: stlma-3_00041

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	222		250	89	80-120	1	30		6010B
Antimony	43.5		50.0	87	80-120	1	30		6010B
Arsenic	44.2		50.0	88	80-120	0	30		6010B
Barium	46.2		50.0	92	80-120	0	30		6010B
Beryllium	44.9		50.0	90	80-120	1	30		6010B
Cadmium	43.8		50.0	88	80-120	1	30		6010B
Calcium	905		1000	90	80-120	0	30		6010B
Chromium	45.4		50.0	91	80-120	0	30		6010B
Cobalt	44.6		50.0	89	80-120	1	30		6010B
Copper	46.0		50.0	92	80-120	0	30		6010B
Iron	228		250	91	80-120	1	30		6010B
Lead	44.0		50.0	88	80-120	1	30		6010B
Magnesium	864		1000	86	80-120	1	30		6010B
Manganese	45.3		50.0	91	80-120	1	30		6010B
Nickel	44.2		50.0	88	80-120	0	30		6010B
Potassium	832		1000	83	80-120	2	30		6010B
Selenium	44.2		50.0	88	80-120	1	30		6010B
Silver	44.9		50.0	90	80-120	1	30		6010B
Sodium	855		1000	86	80-120	1	30		6010B
Thallium	43.6		50.0	87	80-120	1	30		6010B
Vanadium	45.6		50.0	91	80-120	0	30		6010B
Zinc	43.3		50.0	87	80-120	1	30		6010B
Tin	44.9		50.0	90	80-120	0	30		6010B

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

FORM VIID - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24686-2

SDG Number: OCRI-18A

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: 360-24686-2

SDG No.: OCRI-18A

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: 360-24686-2

SDG No.: OCRI-18A

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: 360-24686-2

SDG No.: OCRI-18A

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

Analyte	Wave Length	Cu	Fe	HardC	K	La	Li	Lu	Mg	MgHAR	Mn	Mo	Na	Ni	P
Aluminum	237.312														
Antimony	217.528														
Arsenic	188.980														
Barium	493.408														
Beryllium	313.004 2														
Bismuth															
Boron	249.678														
Cadmium	214.439														
Calcium	373.690														
Chromium	267.716														
Cobalt	228.615														
Copper	327.395														
Gold															
Iron	273.955														
Lanthanum															
Lead	220.353														
Lithium	610.365														
Lutetium															
Magnesium	279.078														
Manganese	257.610														
Molybdenum	202.032														
Nickel	216.555														
Palladium															
Phosphorus															
Potassium	404.721														
Selenium	196.026														
Silicon	251.611														
Silver	338.289														
Sodium	330.237														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24686-2

SDG No.: OCRI-18A

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: 360-24686-2

SDG No.: OCRI-18A

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: 360-24686-2

SDG No.: OCRI-18A

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: 360-24686-2

SDG No.: OCRI-18A

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: 360-24686-2

SDG No.: OCRI-18A

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: 360-24686-2

SDG No.: OCRI-18A

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		1100	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-50202/1-A	10/13/2009 09:57	50202	2.0		100
LCS 360-50202/2-A	10/13/2009 09:57	50202	2.0		100
LCSD 360-50202/3-A	10/13/2009 09:57	50202	2.0		100
360-24686-8	10/13/2009 09:57	50202	1.71		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Instrument ID: Varian ICP Method: 6010B

Start Date: 10/13/2009 10:14 End Date: 10/14/2009 07:29

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
ZZZZZZ			10:14																				
ZZZZZZ			10:17																				
ZZZZZZ			10:20																				
ZZZZZZ			10:23																				
ZZZZZZ			10:26																				
ICV 360-50268/6	1		10:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-50268/7	1		10:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-50268/8	1		10:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-50268/9	1		10:37	X		X	X	X		X		X							X	X	X	X	
ICSA 360-50268/10	1		10:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-50268/11	1		10:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:46																				
CCV 360-50268/13	1		10:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-50268/14	1		10:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-50268/15			10:55																				
ICV 360-50268/16			10:58																				
ICV 360-50268/17			11:00																				
CRI 360-50268/18			11:05																				
CRI 360-50268/19	1		11:08																				
CCV 360-50268/20	1		11:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-50268/21	1		11:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-50268/22	1		15:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-50268/23	1		15:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 360-50202/1-A	1	T	15:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 360-50202/2-A	1	T	15:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 360-50202/3-A	1	T	15:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:44																				
ZZZZZZ			15:47																				
ZZZZZZ			15:50																				
ZZZZZZ			15:53																				
ZZZZZZ			15:56																				
CCV 360-50268/32	1		15:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-50268/33	1		16:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:05																				
ZZZZZZ			16:08																				
ZZZZZZ			16:10																				
ZZZZZZ			16:13																				
ZZZZZZ			16:16																				
360-24686-8	1	T	16:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-50268/40	1		16:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-50268/41	1		16:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:34																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Instrument ID: Varian ICP Method: 6010B

Start Date: 10/13/2009 10:14 End Date: 10/14/2009 07:29

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
ICSA 360-50268/42	1		07:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-50268/43	1		07:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Instrument ID: Varian ICP Method: 6010B

Start Date: 10/13/2009 10:14 End Date: 10/14/2009 07:29

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			10:14																				
ZZZZZZ			10:17																				
ZZZZZZ			10:20																				
ZZZZZZ			10:23																				
ZZZZZZ			10:26																				
ICV 360-50268/6	1		10:29	X	X	X																	
ICB 360-50268/7	1		10:31	X	X	X																	
CRI 360-50268/8	1		10:34	X	X	X																	
CRI 360-50268/9	1		10:37		X	X																	
ICSA 360-50268/10	1		10:40	X	X	X																	
ICSAB 360-50268/11	1		10:43	X	X	X																	
ZZZZZZ			10:46																				
CCV 360-50268/13	1		10:49	X	X	X																	
CCB 360-50268/14	1		10:52	X	X	X																	
ICB 360-50268/15			10:55																				
ICV 360-50268/16			10:58																				
ICV 360-50268/17			11:00																				
CRI 360-50268/18			11:05																				
CRI 360-50268/19	1		11:08	X																			
CCV 360-50268/20	1		11:26	X	X	X																	
CCB 360-50268/21	1		11:29	X	X	X																	
CCV 360-50268/22	1		15:24	X	X	X																	
CCB 360-50268/23	1		15:27	X	X	X																	
MB 360-50202/1-A	1	T	15:36	X	X	X																	
LCS 360-50202/2-A	1	T	15:39	X	X	X																	
LCSD 360-50202/3-A	1	T	15:41	X	X	X																	
ZZZZZZ			15:44																				
ZZZZZZ			15:47																				
ZZZZZZ			15:50																				
ZZZZZZ			15:53																				
ZZZZZZ			15:56																				
CCV 360-50268/32	1		15:59	X	X	X																	
CCB 360-50268/33	1		16:02	X	X	X																	
ZZZZZZ			16:05																				
ZZZZZZ			16:08																				
ZZZZZZ			16:10																				
ZZZZZZ			16:13																				
ZZZZZZ			16:16																				
360-24686-8	1	T	16:19	X	X	X																	
CCV 360-50268/40	1		16:22	X	X	X																	
CCB 360-50268/41	1		16:25	X	X	X																	
ZZZZZZ			16:34																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24686-2

SDG No.: OCRI-18A

Instrument ID: Varian ICP Method: 6010B

Start Date: 10/13/2009 10:14 End Date: 10/14/2009 07:29

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ICSA 360-50268/42	1		07:26	X	X	X																	
ICSAB 360-50268/43	1		07:29	X	X	X																	

Prep Types

T = Total/NA

MET101309emn@720/725/730/735-ES@Quant@. All Data Report 10/14/2009, 7:34:11 AM

Blank (Blk) **10/13/2009, 10:14:35 AM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	0.791	12.3	6.45483
Al 237.312	0.000000	ug/L	0.258	3.8	6.80975
As 188.980	0.000000	ug/L	1.744	93.6	1.86224
B 249.678	0.000000	ug/L	8.332	40.0	20.8163
Ba 493.408	0.000000	ug/L	19.762	12.0	164.204
Be 313.042	0.000000	ug/L	1.249	1.9	65.8521
Ca 373.690	0.000000	ug/L	0.186	0.5	40.0254
Cd 214.439	0.000000	ug/L	1.618	60.1	2.69496
Co 228.615	0.000000	ug/L	0.877	9.6	9.16643
Cr 267.716	0.000000	ug/L	5.651	44.1	12.8219
Cu 327.395	0.000000	ug/L	1.474	2.4	62.6475
Fe 273.955	0.000000	ug/L	1.732	11.2	15.4371
K 404.721	0.000000	ug/L	3.599	18.8	19.1290
Li 610.365	0.000000	ug/L	1.204	18.8	6.41992
Mg 279.078	0.000000	ug/L	1.926	20.2	9.53845
Mn 257.610	0.000000	ug/L	0.640	0.7	93.0159
Mo 202.032	0.000000	ug/L	2.498	57.1	4.37141
Na 330.237	0.000000	ug/L	2.387	21.2	11.2734
Ni 216.555	0.000000	ug/L	0.340	8.9	3.82111
Pb 220.353	0.000000	ug/L	2.154	34.6	6.21936
Sb 217.582	0.000000	ug/L	1.075	26.3	4.08894
Se 196.026	0.000000	ug/L	1.804	81.0	2.22716
Si 251.611	0.000000	ug/L	8.569	13.4	64.0722
Si 288.158	0.000000	ug/L	27.298	5.9	463.528
Sn 283.998	0.000000	ug/L	2.330	26.0	8.97107
Sr 421.552	0.000000	ug/L	3.077	10.8	28.4324
Ti 336.122	0.000000	ug/L	0.936	3.9	24.1763
Tl 190.794	0.000000	ug/L	0.341	15.8	2.16481
V 292.401	0.000000	ug/L	2.661	17.0	15.6171
Zn 202.548	0.000000	ug/L	0.509	1.0	50.2672
Zr 339.198	0.000000	ug/L	4.885	267.1	1.82867

Standard 1 (Std) **10/13/2009, 10:17:30 AM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	14.387	0.2	8989.07
Al 237.312	5000.00	ug/L	19.581	0.1	23779.8
As 188.980	1000.00	ug/L	3.589	0.3	1127.28
B 249.678	1000.00	ug/L	335.702	1.1	29384.3
Ba 493.408	1000.00	ug/L	2556.721	0.1	2639786
Be 313.042	1000.00	ug/L	582.833	0.0	3542059
Ca 373.690	20000.0	ug/L	51.884	0.1	103726
Cd 214.439	1000.00	ug/L	36.259	0.1	40132.6
Co 228.615	1000.00	ug/L	3.270	0.0	9255.62
Cr 267.716	1000.00	ug/L	8.582	0.0	50241.0
Cu 327.395	1000.00	ug/L	172.424	0.2	73430.6
Fe 273.955	5000.00	ug/L	14.545	0.0	82849.4
K 404.721	20000.0	ug/L	3.156	1.0	302.578
Li 610.365	5000.00	ug/L	63.706	0.0	398976
Mg 279.078	20000.0	ug/L	110.115	0.1	92310.5
Mn 257.610	1000.00	ug/L	34.825	0.0	319867
Mo 202.032	1000.00	ug/L	0.102	0.0	9958.08
Na 330.237	20000.0	ug/L	7.370	0.3	2931.57

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	0.885	0.0	9205.01
Pb 220.353	1000.00	ug/L	5.224	0.1	5251.06
Sb 217.582	1000.00	ug/L	1.500	0.1	2132.21
Se 196.026	1000.00	ug/L	1.362	0.2	608.625
Si 251.611	1000.00	ug/L	71.307	1.3	5655.29
Si 288.158	1000.00	ug/L	194.386	1.4	13604.7
Sn 283.998	1000.00	ug/L	13.241	0.3	4895.49
Sr 421.552	1000.00	ug/L	377.772	0.0	2617346
Ti 336.122	1000.00	ug/L	417.823	0.2	253823
Tl 190.794	1000.00	ug/L	0.301	0.0	870.619
V 292.401	1000.00	ug/L	9.911	0.0	40633.4
Zn 202.548	1000.00	ug/L	32.176	0.1	25635.8
Zr 339.198	1000.00	ug/L	148.230	0.2	60651.3

Standard 2 (Std) **10/13/2009, 10:20:23 AM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	124.617	0.1	112362
Ca 373.690	100000	ug/L	200.155	0.0	473896
Fe 273.955	25000.0	ug/L	253.343	0.1	379150
K 404.721	100000	ug/L	13.400	0.7	1897.41
Mg 279.078	100000	ug/L	49.608	0.0	437271
Na 330.237	100000	ug/L	43.762	0.3	17001.6

RB (ICV) **10/13/2009, 10:23:16 AM** **Rack 0, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.003078uv	ug/L	0.291383	9466.5	6.42719	-
Al 237.312	0.486756	ug/L	0.660707	135.7	9.15576	-
As 188.980	3.57161	ug/L	0.259472	7.3	5.88181	-
B 249.678	10.4435	ug/L	1.08810	10.4	327.474	-
Ba 493.408	0.238981	ug/L	0.126264	52.8	795.022	-
Be 313.042	0.207499	ug/L	0.110060	53.0	800.813	-
Ca 373.690	4.79323	ug/L	2.90200	60.5	65.4088	-
Cd 214.439	0.280387	ug/L	0.099691	35.6	13.9469	-
Co 228.615	0.492555	ug/L	0.031126	6.3	13.7208	-
Cr 267.716	0.308634	ug/L	0.151514	49.1	28.3240	-
Cu 327.395	0.281590	ug/L	0.027629	9.8	83.3071	-
Fe 273.955	3.76340	ug/L	1.35604	36.0	79.1021	-
K 404.721	-393.424uv	ug/L	206.301	52.4	14.0067	-
Li 610.365	-0.101323uv	ug/L	0.165897	163.7	-1.66504	-
Mg 279.078	4.39310	ug/L	2.73551	62.3	30.0790	-
Mn 257.610	0.232331	ug/L	0.117359	50.5	167.309	-
Mo 202.032	2.46253	ug/L	0.649868	26.4	28.8827	-
Na 330.237	-24.8241uv	ug/L	31.6574	127.5	7.79700	-
Ni 216.555	0.312584	ug/L	0.374939	119.9	6.69725	-
Pb 220.353	0.312662	ug/L	0.062316	19.9	7.85922	-
Sb 217.582	0.822804	ug/L	0.602136	73.2	5.83997	-
Se 196.026	8.94652	ug/L	0.856268	9.6	7.65231	-
Si 251.611	-0.215804uv	ug/L	1.17791	545.8	62.8656	-
Si 288.158	0.534611uv	ug/L	1.03119	192.9	470.553	-
Sn 283.998	0.637840	ug/L	0.560699	87.9	12.0879	-
Sr 421.552	0.239006	ug/L	0.122994	51.5	652.086	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	0.127566	ug/L	0.041651	32.7	56.5525	-
Tl 190.794	4.20602	ug/L	0.108206	2.6	5.81755	-
V 292.401	0.462071	ug/L	0.034707	7.5	34.3854	-
Zn 202.548	0.198131	ug/L	0.026735	13.5	55.3365	-
Zr 339.198	0.286480	ug/L	0.084876	29.6	19.2036	-

IPC (ICV) **10/13/2009, 10:26:09 AM** **Rack 0, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	995.554	ug/L	0.175870	0.0	8949.14	99.55540
Al 237.312	4983.60	ug/L	5.06196	0.1	23702.9	99.67203
As 188.980	999.598	ug/L	0.263093	0.0	1126.83	99.95975
B 249.678	1005.58	ug/L	20.3114	2.0	29548.0	100.55773
Ba 493.408	995.499	ug/L	2.18127	0.2	2627905	99.54990
Be 313.042	993.263	ug/L	0.966273	0.1	3518198	99.32633
Ca 373.690	19861.0	ug/L	14.6821	0.1	103021	99.30515
Cd 214.439	995.979	ug/L	0.056451	0.0	39971.3	99.59790
Co 228.615	994.607	ug/L	1.34589	0.1	9205.75	99.46066
Cr 267.716	994.356	ug/L	1.39816	0.1	49957.6	99.43563
Cu 327.395	995.980	ug/L	6.36979	0.6	73135.6	99.59798
Fe 273.955	4980.81	ug/L	2.91336	0.1	82538.2	99.61614
K 404.721	19732.2	ug/L	90.3674	0.5	298.479	98.66119
Li 610.365	4965.36	ug/L	1.98770	0.0	396212	99.30724
Mg 279.078	19887.2	ug/L	1.48465	0.0	91796.9	99.43619
Mn 257.610	994.538	ug/L	0.730887	0.1	318121	99.45384
Mo 202.032	998.768	ug/L	1.83665	0.2	9945.81	99.87679
Na 330.237	19895.4	ug/L	36.1950	0.2	2915.68	99.47708
Ni 216.555	991.554	ug/L	1.67463	0.2	9127.29	99.15538
Pb 220.353	993.620	ug/L	1.54904	0.2	5217.60	99.36202
Sb 217.582	996.094	ug/L	0.352129	0.0	2123.89	99.60939
Se 196.026	1000.14	ug/L	6.71130	0.7	608.711	100.01424
Si 251.611	994.854	ug/L	15.3804	1.5	5626.52	99.48542
Si 288.158	989.859	ug/L	16.6230	1.7	13471.4	98.98592
Sn 283.998	994.696	ug/L	0.418161	0.0	4869.57	99.46958
Sr 421.552	994.334	ug/L	1.30239	0.1	2602517	99.43343
Ti 336.122	996.148	ug/L	0.622042	0.1	252846	99.61482
Tl 190.794	999.921	ug/L	0.268488	0.0	870.551	99.99214
V 292.401	994.104	ug/L	2.16305	0.2	40393.9	99.41044
Zn 202.548	995.126	ug/L	1.54408	0.2	25511.1	99.51265
Zr 339.198	1010.80	ug/L	1.51607	0.1	61306.5	101.08038

ICV (ICV) **10/13/2009, 10:29:03 AM** **Rack 0, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	999.562	ug/L	0.420967	0.0	8985.14	99.95616
Al 237.312	993.553	ug/L	1.66734	0.2	4782.58	99.35532
As 188.980	985.905	ug/L	0.302497	0.0	1111.42	98.59053
B 249.678	1012.82	ug/L	9.66010	1.0	29760.6	101.28157
Ba 493.408	995.160	ug/L	1.28072	0.1	2627011	99.51604
Be 313.042	996.396	ug/L	2.87033	0.3	3529294	99.63961
Ca 373.690	9915.14	ug/L	17.4118	0.2	52000.0	99.15141

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	1001.10	ug/L	1.88667	0.2	40176.6	100.10972
Co 228.615	1002.06	ug/L	0.961914	0.1	9274.66	100.20589
Cr 267.716	985.745	ug/L	0.892515	0.1	49525.0	98.57449
Cu 327.395	981.983	ug/L	7.95987	0.8	72108.7	98.19830
Fe 273.955	987.076	ug/L	0.216094	0.0	16645.7	98.70757
K 404.721	9104.85	ug/L	371.200	4.1	142.454	91.04848
Li 610.365	9982.37	ug/L	14.3182	0.1	796539	99.82373
Mg 279.078	9846.20	ug/L	0.148466	0.0	45753.2	98.46199
Mn 257.610	996.001	ug/L	1.17956	0.1	318589	99.60010
Mo 202.032	987.563	ug/L	2.82381	0.3	9834.28	98.75625
Na 330.237	9214.19	ug/L	31.5767	0.3	1327.01	92.14185
Ni 216.555	998.009	ug/L	1.40796	0.1	9186.69	99.80093
Pb 220.353	1001.63	ug/L	1.61317	0.2	5259.59	100.16270
Sb 217.582	954.822	ug/L	3.96155	0.4	2036.06	95.48216
Se 196.026	1002.70	ug/L	1.29233	0.1	610.262	100.26996
Si 251.611	615.392	ug/L	41.3139	6.7	3504.86	123.07847Q
Si 288.158	609.604	ug/L	44.2650	7.3	8474.41	121.92073Q
Sn 283.998	989.345	ug/L	0.062148	0.0	4843.42	98.93446
Sr 421.552	985.777	ug/L	1.65974	0.2	2580119	98.57768
Ti 336.122	975.228	ug/L	4.82623	0.5	247536	97.52280
Tl 190.794	998.214	ug/L	0.768521	0.1	869.068	99.82137
V 292.401	996.149	ug/L	1.83376	0.2	40477.0	99.61494
Zn 202.548	1005.98	ug/L	1.56820	0.2	25788.9	100.59829
Zr 339.198	1017.40	ug/L	0.118254	0.0	61706.8	101.74038

ICB (ICB) **10/13/2009, 10:31:56 AM** **Rack 0, Tube 7**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.096412uv	ug/L	0.369315	383.1	5.58881	-0.09641
Al 237.312	0.032710uv	ug/L	0.412269	1260.4	6.96741	0.03271
As 188.980	0.678067	ug/L	0.308735	45.5	2.62535	0.67807
B 249.678	40.7682	ug/L	6.09464	14.9	1217.91	40.76825
Ba 493.408	0.035680	ug/L	0.020058	56.2	258.385	0.03568
Be 313.042	0.044816	ug/L	0.022065	49.2	224.590	0.04482
Ca 373.690	1.24597	ug/L	0.156442	12.6	46.6237	1.24597
Cd 214.439	0.107298	ug/L	0.047118	43.9	7.00081	0.10730
Co 228.615	0.249977	ug/L	0.284416	113.8	11.4778	0.24998
Cr 267.716	0.116695	ug/L	0.108126	92.7	18.6833	0.11670
Cu 327.395	0.169792	ug/L	0.192126	113.2	75.1047	0.16979
Fe 273.955	0.534253	ug/L	0.183761	34.4	24.4752	0.53425
K 404.721	-166.854uv	ug/L	379.461	227.4	16.9569	-166.85426
Li 610.365	-0.056444uv	ug/L	0.066601	118.0	1.91602	-0.05644
Mg 279.078	0.418493	ug/L	0.451757	107.9	11.4952	0.41849
Mn 257.610	0.043335	ug/L	0.025437	58.7	106.873	0.04334
Mo 202.032	10.6619	ug/L	1.97421	18.5	110.497	10.66190
Na 330.237	-5.96325uv	ug/L	27.8357	466.8	10.4384	-5.96325
Ni 216.555	-0.220186uv	ug/L	0.175008	79.5	1.79514	-0.22019
Pb 220.353	0.140688uv	ug/L	0.378217	268.8	6.95724	0.14069
Sb 217.582	4.15549	ug/L	0.593010	14.3	12.9323	4.15549
Se 196.026	4.90162	ug/L	1.42112	29.0	5.19949	4.90162
Si 251.611	0.245458uv	ug/L	1.01571	413.8	65.4446	0.24546
Si 288.158	0.773821uv	ug/L	1.39552	180.3	473.697	0.77382
Sn 283.998	0.715519	ug/L	0.411524	57.5	12.4675	0.71552

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.051123	ug/L	0.029834	58.4	162.238	0.05112
Ti 336.122	0.515192	ug/L	0.171531	33.3	154.931	0.51519
Tl 190.794	0.572353uv	ug/L	0.827513	144.6	2.66188	0.57235
V 292.401	0.074588	ug/L	0.098373	131.9	18.6467	0.07459
Zn 202.548	-0.023076uv	ug/L	0.061064	264.6	49.6768	-0.02308
Zr 339.198	0.221612	ug/L	0.024501	11.1	15.2693	0.22161

CRI-RL (CRI) **10/13/2009, 10:34:50 AM** **Rack 0, Tube 8**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	4.05245	ug/L	0.227740	5.6	42.8564	81.04900
Al 237.312	105.071	ug/L	0.517884	0.5	513.077	105.07111
As 188.980	9.09258	ug/L	0.340397	3.7	12.0952	90.92584
B 249.678	26.9590	ug/L	1.29874	4.8	812.426	269.59021R
Ba 493.408	11.3011	ug/L	0.010969	0.1	29994.9	113.01123
Be 313.042	1.00384	ug/L	0.001615	0.2	3621.44	100.38390
Ca 373.690	415.134	ug/L	0.133575	0.0	2237.50	103.78361
Cd 214.439	1.05007	ug/L	0.044532	4.2	44.8344	105.00748
Co 228.615	11.1572	ug/L	0.044095	0.4	112.331	111.57167
Cr 267.716	5.29449	ug/L	0.002052	0.0	278.755	105.88976
Cu 327.395	10.9942	ug/L	0.071109	0.6	869.266	109.94164
Fe 273.955	107.359	ug/L	0.086975	0.1	1830.84	107.35912
K 404.721	3413.00	ug/L	236.880	6.9	64.2386	85.32497
Li 610.365	83.4920	ug/L	0.284872	0.3	6668.57	-R
Mg 279.078	426.175	ug/L	0.190889	0.0	2001.64	106.54373
Mn 257.610	10.6413	ug/L	0.002574	0.0	3495.82	106.41262
Mo 202.032	13.1587	ug/L	0.681780	5.2	135.349	131.58672R
Na 330.237	2030.57	ug/L	18.1536	0.9	296.872	101.52866
Ni 216.555	10.7131	ug/L	0.279098	2.6	102.394	107.13112
Pb 220.353	5.89732	ug/L	0.094745	1.6	37.1498	117.94638
Sb 217.582	10.9287	ug/L	0.271733	2.5	27.3464	109.28661
Se 196.026	11.6862	ug/L	0.344534	2.9	9.31363	116.86189
Si 251.611	95.6249	ug/L	1.63479	1.7	598.732	95.62486
Si 288.158	98.5774	ug/L	2.03170	2.1	1758.95	98.57738
Sn 283.998	30.4052	ug/L	0.760569	2.5	157.547	60.81033R
Sr 421.552	22.1075	ug/L	0.128924	0.6	57890.9	110.53766
Ti 336.122	10.7087	ug/L	0.035640	0.3	2742.04	107.08710
Tl 190.794	10.4630	ug/L	0.095738	0.9	11.2515	104.63022
V 292.401	10.4621	ug/L	0.028978	0.3	440.565	104.62119
Zn 202.548	52.8403	ug/L	0.078969	0.1	1402.22	105.68068
Zr 339.198	10.1742	ug/L	0.042958	0.4	618.891	-R

CRI2-MCP (CRI) **10/13/2009, 10:37:44 AM** **Rack 0, Tube 9**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	7.48267	ug/L	1.13260	15.1	73.6688	106.89522
Al 237.312	0.603540	ug/L	0.251481	41.7	9.71863	-
As 188.980	50.0494	ug/L	0.493403	1.0	58.1889	100.09877
B 249.678	10.2418	ug/L	1.00954	9.9	321.552	-
Ba 493.408	2179.93	ug/L	0.457306	0.0	5754353	108.99648
Be 313.042	4.16083	ug/L	0.006833	0.2	14803.5	104.02069

MET101309emn@720/725/730/735-ES@Quant@. All Data Report 10/14/2009, 7:34:11 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	10.6686	ug/L	0.186665	1.7	96.5227	-
Cd 214.439	5.24783	ug/L	0.001574	0.0	213.290	104.95655
Co 228.615	0.253906	ug/L	0.323023	127.2	11.5142	-
Cr 267.716	107.575	ug/L	0.326650	0.3	5416.15	107.57544
Cu 327.395	0.267008	ug/L	0.051248	19.2	82.2373	-
Fe 273.955	1.02394	ug/L	0.294733	28.8	32.7593	-
K 404.721	-374.832uv	ug/L	25.4843	6.8	14.2488	-
Li 610.365	-0.139409uv	ug/L	0.042733	30.7	-4.70410	-
Mg 279.078	0.699659	ug/L	0.905101	129.4	12.8098	-
Mn 257.610	-0.112269uv	ug/L	0.004803	4.3	57.1151	-
Mo 202.032	1.60745	ug/L	0.538016	33.5	20.3715	-
Na 330.237	204.984	ug/L	78.2080	38.2	39.9935	-
Ni 216.555	110.375	ug/L	0.024109	0.0	1019.40	110.37479
Pb 220.353	17.7188	ug/L	0.144389	0.8	99.1513	118.12502
Sb 217.582	5.53729	ug/L	0.817865	14.8	15.8729	92.28817
Se 196.026	49.1089	ug/L	0.215002	0.4	32.0067	98.21788
Si 251.611	-0.640298uv	ug/L	2.10674	329.0	60.4922	-
Si 288.158	0.155626uv	ug/L	1.60573	1031.8	465.573	-
Sn 283.998	49.7550	ug/L	0.886303	1.8	252.100	-
Sr 421.552	0.023581	ug/L	0.001495	6.3	90.1523	-
Ti 336.122	0.091321	ug/L	0.049146	53.8	47.3535	-
Tl 190.794	2.87783	ug/L	0.593111	20.6	4.66408	143.89166R
V 292.401	52.4361	ug/L	0.232580	0.4	2145.46	104.87219
Zn 202.548	952.584	ug/L	1.54287	0.2	24422.7	105.84270
Zr 339.198	0.069267	ug/L	0.016882	24.4	6.02966	-

Interf Check A (ICSA) **10/13/2009, 10:40:39 AM** **Rack 0, Tube 10**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.103104uv	ug/L	0.351066	340.5	7.38098	0.10310
Al 237.312	111307	ug/L	29.3449	0.0	4721531	307.16406K
As 188.980	0.715352	ug/L	0.083523	11.7	2.66731	0.71535
B 249.678	6.56607	ug/L	0.125974	1.9	213.619	6.56607
Ba 493.408	0.379346	ug/L	0.030194	8.0	1165.54	0.37935
Be 313.042	0.010126	ug/L	0.002246	22.2	101.720	0.01013
Ca 373.690	106873	ug/L	98.1995	0.1	5026356	873.10938K
Cd 214.439	0.764538	ug/L	0.084703	11.1	33.3758	0.76454
Co 228.615	2.14015	ug/L	0.004649	0.2	28.9552	2.14015
Cr 267.716	0.459236	ug/L	0.015399	3.4	35.8885	0.45924
Cu 327.395	0.508381	ug/L	0.021873	4.3	99.9463	0.50838
Fe 273.955	42553.8	ug/L	68.3325	0.2	6146102	553.81250K
K 404.721	894.895	ug/L	168.937	18.9	30.8274	894.89502
Li 610.365	0.987615	ug/L	0.153781	15.6	85.2256	0.98761
Mg 279.078	107691	ug/L	68.8821	0.1	4685697	690.92188K
Mn 257.610	3.12702	ug/L	0.007155	0.2	1092.96	3.12702
Mo 202.032	0.892947	ug/L	0.370614	41.5	13.2595	0.89295
Na 330.237	129.393	ug/L	36.8416	28.5	29.3993	129.39346
Ni 216.555	4.81939	ug/L	0.399248	8.3	48.1652	4.81939
Pb 220.353	-1.56270uv	ug/L	0.304973	19.5	-1.97675	-1.56270
Sb 217.582	-0.952224uv	ug/L	1.27866	134.3	2.06250	-0.95222
Se 196.026	0.366399	ug/L	0.485605	132.5	2.44934	0.36640
Si 251.611	-2.56259uv	ug/L	1.63302	63.7	49.7443	-2.56259
Si 288.158	-1.16536uv	ug/L	1.19431	102.5	448.214	-1.16536

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 283.998	2.09236	ug/L	0.782067	37.4	19.1954	2.09236
Sr 421.552	0.596046	ug/L	0.001693	0.3	1588.47	0.59605
Ti 336.122	1.59119	ug/L	0.058735	3.7	428.020	1.59119
Tl 190.794	0.302859uv	ug/L	2.52321	833.1	2.42783	0.30286
V 292.401	1.91640	ug/L	0.018527	1.0	93.4572	1.91640
Zn 202.548	0.807876uv	ug/L	2.05299	254.1	70.9372	0.80788
Zr 339.198	0.535819	ug/L	0.037143	6.9	34.3258	0.53582

Interf Check AB (ICSAB) **10/13/2009, 10:43:33 AM** **Rack 0, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	604.510	ug/L	0.983018	0.2	5436.54	100.75165
Al 237.312	109806	ug/L	97.0780	0.1	465894	109.80576
As 188.980	1951.36	ug/L	1.37166	0.1	2197.97	97.56809
B 249.678	5.12996	ug/L	0.259661	5.1	171.450	-
Ba 493.408	581.516	ug/L	1.01672	0.2	1535146	96.91930
Be 313.042	189.411	ug/L	0.160398	0.1	670958	94.70544
Ca 373.690	104502	ug/L	221.656	0.2	492719	104.50174
Cd 214.439	562.815	ug/L	1.58516	0.3	22588.4	93.80257
Co 228.615	566.248	ug/L	0.198054	0.0	5244.95	94.37463
Cr 267.716	560.568	ug/L	2.99062	0.5	28169.2	93.42801
Cu 327.395	595.196	ug/L	3.43247	0.6	43731.0	99.19939
Fe 273.955	41991.3	ug/L	84.8915	0.2	607064	104.97816
K 404.721	41775.9	ug/L	214.535	0.5	663.624	104.43983
Li 610.365	0.885460	ug/L	0.066393	7.5	77.0742	-
Mg 279.078	104907	ug/L	65.6449	0.1	457240	104.90691
Mn 257.610	378.310	ug/L	0.002741	0.0	121067	94.57741
Mo 202.032	0.520464	ug/L	0.218029	41.9	9.55196	-
Na 330.237	-116.567uv	ug/L	9.11965	7.8	-5.05103	-
Ni 216.555	566.625	ug/L	0.076347	0.0	5217.44	94.43754
Pb 220.353	1839.73	ug/L	1.89707	0.1	9655.32	91.98668
Sb 217.582	939.871	ug/L	0.690577	0.1	2004.24	93.98708
Se 196.026	969.681	ug/L	4.43491	0.5	590.239	96.96812
Si 251.611	-2.27656uv	ug/L	1.38685	60.9	51.3435	-
Si 288.158	0.147521uv	ug/L	1.52268	1032.2	465.467	-
Sn 283.998	250.896	ug/L	1.11882	0.4	1234.98	-
Sr 421.552	0.618209	ug/L	0.003697	0.6	1646.48	-
Ti 336.122	1.60164	ug/L	0.069758	4.4	430.670	-
Tl 190.794	1850.90	ug/L	3.65163	0.2	1609.59	92.54488
V 292.401	577.346	ug/L	0.577588	0.1	23466.1	96.22437
Zn 202.548	545.718	ug/L	0.616043	0.1	14012.8	90.95298
Zr 339.198	1.69745	ug/L	0.087194	5.1	104.778	-

RB (ICSAB) **10/13/2009, 10:46:28 AM** **Rack 4, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.583321uv	ug/L	0.868566	148.9	11.6946	-
Al 237.312	2.14840	ug/L	0.816130	38.0	17.1643	-
As 188.980	1.75435	ug/L	0.162919	9.3	3.83663	-
B 249.678	2.63297	ug/L	0.163207	6.2	98.1295	-
Ba 493.408	0.002349uv	ug/L	0.015784	672.1	170.403	-

MET101309emn@720/725/730/735-ES@Quant@. All Data Report 10/14/2009, 7:34:11 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	0.007733	ug/L	0.000871	11.3	93.2422	-
Ca 373.690	1.31885	ug/L	1.27791	96.9	47.0096	-
Cd 214.439	0.029658uv	ug/L	0.042015	141.7	3.88515	-
Co 228.615	0.322833	ug/L	0.095456	29.6	12.1515	-
Cr 267.716	0.067726	ug/L	0.092991	137.3	16.2236	-
Cu 327.395	0.143906	ug/L	0.109809	76.3	73.2056	-
Fe 273.955	4.97608	ug/L	1.62487	32.7	99.6164	-
K 404.721	-391.886uv	ug/L	298.824	76.3	14.0267	-
Li 610.365	-0.089525uv	ug/L	0.022414	25.0	-0.723633	-
Mg 279.078	2.96219	ug/L	2.18310	73.7	23.3886	-
Mn 257.610	0.001793uv	ug/L	0.014101	786.4	93.5892	-
Mo 202.032	0.555416	ug/L	0.130178	23.4	9.89985	-
Na 330.237	-35.3625uv	ug/L	32.6904	92.4	6.32117	-
Ni 216.555	0.018953	ug/L	0.008093	42.7	3.99550	-
Pb 220.353	0.090619	ug/L	0.002798	3.1	6.69464	-
Sb 217.582	1.76478	ug/L	0.048104	2.7	7.84460	-
Se 196.026	3.12189	ug/L	0.171061	5.5	4.12026	-
Si 251.611	-1.46590uv	ug/L	1.37808	94.0	55.8761	-
Si 288.158	-0.291295uv	ug/L	1.69133	580.6	459.700	-
Sn 283.998	-0.158155uv	ug/L	0.024659	15.6	8.19824	-
Sr 421.552	0.000970	ug/L	0.000024	2.5	30.9717	-
Ti 336.122	0.058821	ug/L	0.027298	46.4	39.1050	-
Tl 190.794	2.02815	ug/L	0.560150	27.6	3.92617	-
V 292.401	0.124631	ug/L	0.028255	22.7	20.6793	-
Zn 202.548	0.120147	ug/L	0.016693	13.9	53.3412	-
Zr 339.198	0.021900	ug/L	0.010035	45.8	3.15692	-

CCV (CCV) **10/13/2009, 10:49:21 AM** **Rack 4, Tube 2**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	985.174	ug/L	3.15164	0.3	8855.90	98.51740
Al 237.312	4933.20	ug/L	13.7012	0.3	23466.5	98.66396
As 188.980	986.287	ug/L	1.70735	0.2	1111.85	98.62871
B 249.678	988.855	ug/L	14.0632	1.4	29057.0	98.88549
Ba 493.408	986.654	ug/L	2.43336	0.2	2604556	98.66535
Be 313.042	984.113	ug/L	1.70588	0.2	3485786	98.41127
Ca 373.690	19595.3	ug/L	45.6553	0.2	101672	97.97666
Cd 214.439	982.856	ug/L	1.09976	0.1	39444.6	98.28560
Co 228.615	983.775	ug/L	2.26672	0.2	9105.59	98.37746
Cr 267.716	983.761	ug/L	1.73238	0.2	49425.4	98.37607
Cu 327.395	981.887	ug/L	6.15749	0.6	72101.7	98.18874
Fe 273.955	4996.80	ug/L	9.80144	0.2	82797.6	99.93606
K 404.721	19510.8	ug/L	76.4766	0.4	295.095	97.55396
Li 610.365	4918.18	ug/L	5.20870	0.1	392447	98.36366
Mg 279.078	19642.1	ug/L	19.0435	0.1	90680.2	98.21069
Mn 257.610	983.880	ug/L	1.52992	0.2	314713	98.38800
Mo 202.032	986.680	ug/L	1.53463	0.2	9825.50	98.66804
Na 330.237	19729.8	ug/L	74.0584	0.4	2890.53	98.64910
Ni 216.555	983.464	ug/L	4.59904	0.5	9052.86	98.34642
Pb 220.353	982.154	ug/L	0.033836	0.0	5157.46	98.21542
Sb 217.582	987.365	ug/L	0.834510	0.1	2105.32	98.73649
Se 196.026	990.191	ug/L	4.72179	0.5	602.677	99.01911
Si 251.611	991.097	ug/L	3.24542	0.3	5605.51	99.10970

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	984.681	ug/L	2.01019	0.2	13403.4	98.46812
Sn 283.998	981.278	ug/L	2.09879	0.2	4804.01	98.12781
Sr 421.552	984.959	ug/L	2.62588	0.3	2577978	98.49587
Ti 336.122	986.499	ug/L	4.13880	0.4	250397	98.64995
Tl 190.794	985.813	ug/L	2.32921	0.2	858.298	98.58126
V 292.401	983.675	ug/L	2.66904	0.3	39970.3	98.36747
Zn 202.548	980.893	ug/L	0.196284	0.0	25147.0	98.08934
Zr 339.198	980.852	ug/L	4.75169	0.5	59490.0	98.08521

CCB (CCB) **10/13/2009, 10:52:15 AM** **Rack 4, Tube 3**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.258080uv	ug/L	0.043338	16.8	4.13660	-0.25808
Al 237.312	-0.669669uv	ug/L	0.267097	39.9	3.58215	-0.66967
As 188.980	0.010636uv	ug/L	0.579922	5452.2	1.87421	0.01064
B 249.678	28.9315	ug/L	4.97179	17.2	870.346	28.93155
Ba 493.408	0.020688	ug/L	0.017370	84.0	218.812	0.02069
Be 313.042	0.027053	ug/L	0.016032	59.3	161.674	0.02705
Ca 373.690	0.007284uv	ug/L	0.730342	10026.4	40.0640	0.00728
Cd 214.439	0.034676	ug/L	0.041504	119.7	4.08652	0.03468
Co 228.615	0.203066	ug/L	0.140932	69.4	11.0441	0.20307
Cr 267.716	0.123334	ug/L	0.083275	67.5	19.0167	0.12333
Cu 327.395	0.077560uv	ug/L	0.237440	306.1	68.3379	0.07756
Fe 273.955	1.70091	ug/L	0.404712	23.8	44.2114	1.70091
K 404.721	-315.127uv	ug/L	209.364	66.4	15.0261	-315.12717
Li 610.365	-0.149886uv	ug/L	0.096457	64.4	-5.54004	-0.14989
Mg 279.078	0.586705uv	ug/L	1.50680	256.8	12.2817	0.58670
Mn 257.610	0.053899	ug/L	0.025278	46.9	110.251	0.05390
Mo 202.032	9.24105	ug/L	1.62391	17.6	96.3541	9.24105
Na 330.237	-15.0955uv	ug/L	10.1650	67.3	9.15942	-15.09546
Ni 216.555	0.029713uv	ug/L	0.046087	155.1	4.09450	0.02971
Pb 220.353	-0.345723uv	ug/L	0.142118	41.1	4.40610	-0.34572
Sb 217.582	0.465676uv	ug/L	0.891087	191.4	5.07996	0.46568
Se 196.026	4.79277	ug/L	1.78256	37.2	5.13348	4.79277
Si 251.611	-1.04755uv	ug/L	1.35960	129.8	58.2151	-1.04755
Si 288.158	0.157540uv	ug/L	1.89017	1199.8	465.598	0.15754
Sn 283.998	0.776335	ug/L	0.761965	98.1	12.7646	0.77634
Sr 421.552	0.031743	ug/L	0.018718	59.0	111.513	0.03174
Ti 336.122	0.422726	ug/L	0.147278	34.8	131.464	0.42273
Tl 190.794	1.94098	ug/L	0.526127	27.1	3.85046	1.94098
V 292.401	0.191596	ug/L	0.119333	62.3	23.3993	0.19160
Zn 202.548	-0.083044uv	ug/L	0.000533	0.6	48.1425	-0.08304
Zr 339.198	0.513150	ug/L	0.108357	21.1	32.9509	0.51315

ICB RR (Samp) **10/13/2009, 10:55:09 AM** **Rack 1, Tube 1**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.051457uv	ug/L	0.330800	642.9	5.99261
Al 237.312	1.01999	ug/L	0.947740	92.9	11.7258
As 188.980	0.650377uv	ug/L	1.40262	215.7	2.59419
B 249.678	11.5603	ug/L	1.06459	9.2	360.267

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	-0.019870uv	ug/L	0.003580	18.0	111.755
Be 313.042	0.003688	ug/L	0.000174	4.7	78.9163
Ca 373.690	-0.081968uv	ug/L	0.593818	724.4	39.5913
Cd 214.439	0.014247	ug/L	0.018857	132.4	3.26668
Co 228.615	0.087297	ug/L	0.039032	44.7	9.97362
Cr 267.716	0.032188	ug/L	0.014069	43.7	14.4387
Cu 327.395	0.101183	ug/L	0.084562	83.6	70.0710
Fe 273.955	0.483108	ug/L	0.484534	100.3	23.6099
K 404.721	-403.953uv	ug/L	163.275	40.4	13.8696
Li 610.365	-0.045013uv	ug/L	0.154525	343.3	2.82813
Mg 279.078	-0.858067uv	ug/L	0.442895	51.6	5.52643
Mn 257.610	-0.016152uv	ug/L	0.000452	2.8	87.8510
Mo 202.032	2.32730	ug/L	0.762290	32.8	27.5367
Na 330.237	-39.0278uv	ug/L	11.2868	28.9	5.80786
Ni 216.555	0.086121	ug/L	0.050855	59.0	4.61353
Pb 220.353	0.050465uv	ug/L	0.201053	398.4	6.48404
Sb 217.582	-0.479701uv	ug/L	0.683175	142.4	3.06808
Se 196.026	0.208079uv	ug/L	1.42953	687.0	2.35334
Si 251.611	-0.977507uv	ug/L	1.15141	117.8	58.6068
Si 288.158	0.044384uv	ug/L	1.28899	2904.2	464.111
Sn 283.998	0.563622	ug/L	0.245816	43.6	11.7252
Sr 421.552	0.004563	ug/L	0.000050	1.1	40.3752
Ti 336.122	0.099644	ug/L	0.061259	61.5	49.4658
Tl 190.794	0.443929	ug/L	0.055821	12.6	2.55035
V 292.401	0.146489	ug/L	0.077575	53.0	21.5671
Zn 202.548	-0.114768uv	ug/L	0.002402	2.1	47.3308
Zr 339.198	0.253887	ug/L	0.094663	37.3	17.2268

ICVNa K Mg Ca 75ppm (Samp) 10/13/2009, 10:58:03 AM Rack 1, Tube 2
Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.370494	ug/L	0.358427	96.7	9.78284
Al 237.312	2.63051	ug/L	1.04695	39.8	19.4879
As 188.980	0.118659uv	ug/L	0.275218	231.9	1.99578
B 249.678	6.20235	ug/L	0.429593	6.9	202.939
Ba 493.408	0.226048	ug/L	0.002272	1.0	760.886
Be 313.042	0.040952	ug/L	0.001097	2.7	210.902
Ca 373.690	76295.1	ug/L	162.717	0.2	371645
Cd 214.439	0.007412uv	ug/L	0.019559	263.9	2.99239
Co 228.615	0.907781	ug/L	0.400239	44.1	17.5602
Cr 267.716	0.279028	ug/L	0.017998	6.5	26.8370
Cu 327.395	0.430564	ug/L	0.065832	15.3	94.2371
Fe 273.955	4.28529	ug/L	0.493544	11.5	87.9308
K 404.721	75653.8	ug/L	54.6350	0.1	1333.97
Li 610.365	0.780184	ug/L	0.037731	4.8	68.6738
Mg 279.078	76009.1	ug/L	122.053	0.2	337894
Mn 257.610	2.08929	ug/L	0.005907	0.3	761.118
Mo 202.032	1.48798	ug/L	0.443654	29.8	19.1824
Na 330.237	76203.5	ug/L	129.970	0.2	12417.0
Ni 216.555	1.03522	ug/L	0.205637	19.9	13.3463
Pb 220.353	0.801552	ug/L	0.402838	50.3	10.4234
Sb 217.582	0.556951	ug/L	0.605137	108.7	5.27420
Se 196.026	-0.362222uv	ug/L	2.10697	581.7	2.00751

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	2.59650	ug/L	1.99442	76.8	78.5898
Si 288.158	1.55494	ug/L	1.16581	75.0	483.962
Sn 283.998	1.20039	ug/L	0.170036	14.2	14.8368
Sr 421.552	0.491854	ug/L	0.002076	0.4	1315.77
Ti 336.122	1.42431	ug/L	0.032089	2.3	385.665
Tl 190.794	0.865487uv	ug/L	1.30611	150.9	2.91645
V 292.401	1.58893	ug/L	0.011233	0.7	80.1559
Zn 202.548	-0.467936uv	ug/L	0.374963	80.1	38.2948
Zr 339.198	0.602669	ug/L	0.160199	26.6	38.3802

ICV Sb 1ppm (Samp) **10/13/2009, 11:00:56 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.066874uv	ug/L	0.575155	860.1	5.85413
Al 237.312	0.653132	ug/L	0.754122	115.5	9.95764
As 188.980	-0.831821uv	ug/L	0.243624	29.3	0.926090
B 249.678	3.77849	ug/L	0.720872	19.1	131.766
Ba 493.408	-0.002526uv	ug/L	0.003391	134.2	157.536
Be 313.042	0.006715	ug/L	0.003272	48.7	89.6365
Ca 373.690	1.16699	ug/L	0.913712	78.3	46.2054
Cd 214.439	-0.022187uv	ug/L	0.008908	40.1	1.80460
Co 228.615	0.233486	ug/L	0.311210	133.3	11.3253
Cr 267.716	0.095760	ug/L	0.070360	73.5	17.6318
Cu 327.395	0.206095	ug/L	0.023024	11.2	77.7682
Fe 273.955	0.766144	ug/L	0.008041	1.0	28.3981
K 404.721	-767.458uv	ug/L	233.085	30.4	9.13684
Li 610.365	-0.130267uv	ug/L	0.065736	50.5	-3.97461
Mg 279.078	3.82338	ug/L	1.98347	51.9	27.4152
Mn 257.610	-0.154926uv	ug/L	0.006241	4.0	43.4746
Mo 202.032	0.830115	ug/L	0.300897	36.2	12.6341
Na 330.237	9.79224uv	ug/L	27.1715	277.5	12.6449
Ni 216.555	0.154651uv	ug/L	0.282778	182.8	5.24408
Pb 220.353	-0.101133uv	ug/L	0.363027	359.0	5.68893
Sb 217.582	990.764	ug/L	1.85430	0.2	2112.55
Se 196.026	0.916173uv	ug/L	1.64592	179.7	2.78272
Si 251.611	0.501392uv	ug/L	1.64455	328.0	66.8756
Si 288.158	1.14648uv	ug/L	2.09873	183.1	478.594
Sn 283.998	0.749581	ug/L	0.439204	58.6	12.6339
Sr 421.552	0.001911	ug/L	0.001330	69.6	33.4331
Ti 336.122	0.060933	ug/L	0.004723	7.8	39.6411
Tl 190.794	-0.064201uv	ug/L	0.021375	33.3	2.10906
V 292.401	0.151134	ug/L	0.035857	23.7	21.7558
Zn 202.548	0.066084	ug/L	0.040966	62.0	51.9580
Zr 339.198	12.0930	ug/L	1.39265	11.5	735.262

CRI-RL B Mo (Samp) **10/13/2009, 11:05:43 AM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	3.83474	ug/L	0.714913	18.6	40.9009
Al 237.312	103.528	ug/L	0.512775	0.5	505.642
As 188.980	9.05802	ug/L	0.646505	7.1	12.0563

MET101309emn@720/725/730/735-ES@Quant@. All Data Report 10/14/2009, 7:34:11 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	11.8414	ug/L	0.045475	0.4	368.520
Ba 493.408	11.1883	ug/L	0.003809	0.0	29697.0
Be 313.042	0.996301	ug/L	0.000765	0.1	3594.74
Ca 373.690	408.476	ug/L	0.349324	0.1	2202.27
Cd 214.439	0.983249	ug/L	0.015990	1.6	42.1526
Co 228.615	11.0459	ug/L	0.261078	2.4	111.302
Cr 267.716	5.24932	ug/L	0.070929	1.4	276.486
Cu 327.395	10.9529	ug/L	0.142402	1.3	866.237
Fe 273.955	105.842	ug/L	0.138511	0.1	1805.20
K 404.721	3465.24	ug/L	360.389	10.4	64.9417
Li 610.365	82.6710	ug/L	0.113005	0.1	6603.06
Mg 279.078	420.598	ug/L	0.484431	0.1	1975.57
Mn 257.610	10.4982	ug/L	0.008340	0.1	3450.08
Mo 202.032	10.5310	ug/L	0.301590	2.9	109.194
Na 330.237	2017.93	ug/L	33.1326	1.6	295.086
Ni 216.555	10.4479	ug/L	0.189049	1.8	99.9538
Pb 220.353	5.62166	ug/L	0.137107	2.4	35.7040
Sb 217.582	10.8524	ug/L	0.290066	2.7	27.1841
Se 196.026	11.0472	ug/L	1.02986	9.3	8.92612
Si 251.611	95.2660	ug/L	0.840563	0.9	596.725
Si 288.158	96.9679	ug/L	0.961277	1.0	1737.80
Sn 283.998	29.8990	ug/L	0.377873	1.3	155.073
Sr 421.552	21.9422	ug/L	0.065938	0.3	57458.0
Ti 336.122	10.4475	ug/L	0.042806	0.4	2675.74
Tl 190.794	10.0043	ug/L	1.03699	10.4	10.8531
V 292.401	10.4506	ug/L	0.051884	0.5	440.099
Zn 202.548	51.5510	ug/L	0.173505	0.3	1369.23
Zr 339.198	10.5861	ug/L	0.237838	2.2	643.867

CRI-MCP Tl (Samp) **10/13/2009, 11:08:37 AM** **Rack 1, Tube 5**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	7.70117	ug/L	0.133041	1.7	75.6315
Al 237.312	-0.101272uv	ug/L	0.334507	330.3	6.32166
As 188.980	49.2216	ug/L	0.422855	0.9	57.2573
B 249.678	1.60074	ug/L	0.102330	6.4	67.8195
Ba 493.408	2171.55	ug/L	1.61222	0.1	5732238
Be 313.042	4.13797	ug/L	0.004450	0.1	14722.5
Ca 373.690	9.60125	ug/L	0.371633	3.9	90.8704
Cd 214.439	5.20904	ug/L	0.050075	1.0	211.733
Co 228.615	0.188415	ug/L	0.087717	46.6	10.9086
Cr 267.716	106.732	ug/L	0.021973	0.0	5373.79
Cu 327.395	0.197829	ug/L	0.073100	37.0	77.1617
Fe 273.955	0.868818	ug/L	0.321438	37.0	30.1350
K 404.721	17.0314uv	ug/L	147.039	863.3	19.3512
Li 610.365	0.076540	ug/L	0.050089	65.4	12.5273
Mg 279.078	0.462654	ug/L	0.037365	8.1	11.7017
Mn 257.610	-0.087905uv	ug/L	0.005700	6.5	64.9062
Mo 202.032	0.545565	ug/L	0.154396	28.3	9.80180
Na 330.237	167.710	ug/L	27.0610	16.1	34.7686
Ni 216.555	109.517	ug/L	0.199117	0.2	1011.51
Pb 220.353	16.8317	ug/L	0.478665	2.8	94.4990
Sb 217.582	5.61368	ug/L	0.839768	15.0	16.0355

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Se 196.026	47.7087	ug/L	1.78073	3.7	31.1576
Si 251.611	-1.39881uv	ug/L	1.22568	87.6	56.2512
Si 288.158	-0.327783uv	ug/L	1.63314	498.2	459.221
Sn 283.998	48.1232	ug/L	0.507335	1.1	244.126
Sr 421.552	0.026891	ug/L	0.002075	7.7	98.8149
Ti 336.122	0.028756	ug/L	0.023978	83.4	31.4746
Tl 190.794	2.31375	ug/L	0.023407	1.0	4.17420
V 292.401	52.1292	ug/L	0.010862	0.0	2132.99
Zn 202.548	940.881	ug/L	1.65258	0.2	24123.3
Zr 339.198	0.125210	ug/L	0.065348	52.2	9.42261

CCV (CCV) **10/13/2009, 11:26:36 AM** **Rack 4, Tube 2**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	990.336	ug/L	1.55823	0.2	8902.27	99.03365
Al 237.312	4964.48	ug/L	6.67159	0.1	23613.2	99.28951
As 188.980	993.417	ug/L	1.35245	0.1	1119.87	99.34165
B 249.678	1010.02	ug/L	6.79011	0.7	29678.5	101.00221
Ba 493.408	994.783	ug/L	1.84912	0.2	2626015	99.47829
Be 313.042	990.642	ug/L	0.061155	0.0	3508912	99.06419
Ca 373.690	19687.1	ug/L	32.1416	0.2	102138	98.43572
Cd 214.439	986.592	ug/L	0.795193	0.1	39594.6	98.65923
Co 228.615	987.448	ug/L	1.61624	0.2	9139.56	98.74483
Cr 267.716	988.735	ug/L	1.20360	0.1	49675.2	98.87351
Cu 327.395	996.330	ug/L	2.68251	0.3	73161.3	99.63302
Fe 273.955	5007.68	ug/L	11.6024	0.2	82973.9	100.15353
K 404.721	19527.6	ug/L	329.720	1.7	295.355	97.63815
Li 610.365	4921.58	ug/L	3.89599	0.1	392718	98.43151
Mg 279.078	19711.3	ug/L	31.5629	0.2	90995.4	98.55656
Mn 257.610	988.677	ug/L	0.583674	0.1	316247	98.86774
Mo 202.032	992.802	ug/L	0.852248	0.1	9886.43	99.28023
Na 330.237	19803.5	ug/L	72.2050	0.4	2901.72	99.01752
Ni 216.555	981.878	ug/L	7.39368	0.8	9038.27	98.18784
Pb 220.353	986.995	ug/L	1.60804	0.2	5182.85	98.69954
Sb 217.582	992.582	ug/L	1.81654	0.2	2116.42	99.25816
Se 196.026	992.478	ug/L	1.96284	0.2	604.063	99.24779
Si 251.611	986.505	ug/L	11.8099	1.2	5579.83	98.65049
Si 288.158	980.076	ug/L	11.9925	1.2	13342.8	98.00755
Sn 283.998	986.766	ug/L	0.787381	0.1	4830.83	98.67663
Sr 421.552	992.955	ug/L	1.40308	0.1	2598906	99.29546
Ti 336.122	994.558	ug/L	3.44024	0.3	252442	99.45585
Tl 190.794	991.330	ug/L	1.60126	0.2	863.090	99.13303
V 292.401	989.343	ug/L	1.06329	0.1	40200.5	98.93427
Zn 202.548	982.779	ug/L	1.32475	0.1	25195.2	98.27789
Zr 339.198	991.743	ug/L	0.842710	0.1	60150.5	99.17428

CCB (CCB) **10/13/2009, 11:29:29 AM** **Rack 4, Tube 3**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.029286uv	ug/L	0.355256	1213.1	6.71790	0.02929
Al 237.312	0.049718uv	ug/L	0.505272	1016.3	7.04938	0.04972

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	1.07360	ug/L	0.024907	2.3	3.07049	1.07360
B 249.678	34.8152	ug/L	5.28006	15.2	1043.11	34.81519
Ba 493.408	0.040424	ug/L	0.032675	80.8	270.908	0.04042
Be 313.042	0.043964	ug/L	0.021547	49.0	221.572	0.04396
Ca 373.690	-0.033124uv	ug/L	1.30118	3928.3	39.8500	-0.03312
Cd 214.439	0.042718	ug/L	0.001373	3.2	4.40923	0.04272
Co 228.615	0.391376	ug/L	0.043966	11.2	12.7853	0.39138
Cr 267.716	0.164405	ug/L	0.125273	76.2	21.0797	0.16440
Cu 327.395	0.141850	ug/L	0.065474	46.2	73.0547	0.14185
Fe 273.955	1.53390	ug/L	0.480078	31.3	41.3862	1.53390
K 404.721	-552.783uv	ug/L	294.276	53.2	11.9319	-552.78278
Li 610.365	-0.092878uv	ug/L	0.073230	78.8	-0.991211	-0.09288
Mg 279.078	0.845197uv	ug/L	1.33747	158.2	13.4903	0.84520
Mn 257.610	0.064826	ug/L	0.041104	63.4	113.745	0.06483
Mo 202.032	10.1490	ug/L	1.94727	19.2	105.391	10.14899
Na 330.237	-49.8827uv	ug/L	19.3869	38.9	4.28772	-49.88265
Ni 216.555	-0.065405uv	ug/L	0.061924	94.7	3.21930	-0.06541
Pb 220.353	-0.587567uv	ug/L	0.463039	78.8	3.13766	-0.58757
Sb 217.582	0.441828uv	ug/L	0.821060	185.8	5.02921	0.44183
Se 196.026	3.39481	ug/L	1.19923	35.3	4.28576	3.39481
Si 251.611	-0.597267uv	ug/L	1.74484	292.1	60.7328	-0.59727
Si 288.158	0.383271uv	ug/L	1.38993	362.7	468.565	0.38327
Sn 283.998	0.297911uv	ug/L	1.57563	528.9	10.4268	0.29791
Sr 421.552	0.051190	ug/L	0.025720	50.2	162.414	0.05119
Ti 336.122	0.453939	ug/L	0.202015	44.5	139.385	0.45394
Tl 190.794	1.31808	ug/L	0.519319	39.4	3.30951	1.31808
V 292.401	0.284096	ug/L	0.018125	6.4	27.1564	0.28410
Zn 202.548	-0.074009uv	ug/L	0.060884	82.3	48.3736	-0.07401
Zr 339.198	0.571719	ug/L	0.069804	12.2	36.5031	0.57172

CCV (CCV) **10/13/2009, 3:24:36 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	981.513	ug/L	2.72873	0.3	8823.01	98.15126
Al 237.312	4919.90	ug/L	4.26198	0.1	23404.1	98.39804
As 188.980	969.674	ug/L	0.542285	0.1	1093.16	96.96743
B 249.678	985.558	ug/L	12.5070	1.3	28960.2	98.55580
Ba 493.408	989.863	ug/L	0.653547	0.1	2613027	98.98629
Be 313.042	971.182	ug/L	0.136812	0.0	3439986	97.11822
Ca 373.690	19318.7	ug/L	17.4374	0.1	100267	96.59344
Cd 214.439	961.570	ug/L	0.154119	0.0	38590.4	96.15696
Co 228.615	967.846	ug/L	0.053862	0.0	8958.30	96.78458
Cr 267.716	969.507	ug/L	1.00421	0.1	48709.5	96.95073
Cu 327.395	981.170	ug/L	2.93481	0.3	72049.0	98.11696
Fe 273.955	4946.21	ug/L	10.2772	0.2	81977.0	98.92422
K 404.721	18983.5	ug/L	537.974	2.8	287.067	94.91734
Li 610.365	4840.83	ug/L	8.25637	0.2	386276	96.81670
Mg 279.078	19336.0	ug/L	23.7709	0.1	89285.0	96.68001
Mn 257.610	972.340	ug/L	0.921215	0.1	311022	97.23401
Mo 202.032	973.503	ug/L	2.33211	0.2	9694.33	97.35025
Na 330.237	19686.6	ug/L	32.0656	0.2	2883.97	98.43307
Ni 216.555	963.147	ug/L	0.897090	0.1	8865.92	96.31471
Pb 220.353	968.955	ug/L	0.821390	0.1	5088.23	96.89552

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sb 217.582	981.291	ug/L	0.173454	0.0	2092.39	98.12911
Se 196.026	962.235	ug/L	4.20397	0.4	585.724	96.22350
Si 251.611	988.967	ug/L	14.2830	1.4	5593.60	98.89671
Si 288.158	979.398	ug/L	16.1337	1.6	13333.9	97.93982
Sn 283.998	968.023	ug/L	0.412724	0.0	4739.23	96.80226
Sr 421.552	984.484	ug/L	0.991305	0.1	2576734	98.44835
Ti 336.122	981.128	ug/L	0.362660	0.0	249034	98.11284
Tl 190.794	969.826	ug/L	2.33388	0.2	844.414	96.98257
V 292.401	974.228	ug/L	0.833647	0.1	39586.6	97.42278
Zn 202.548	952.942	ug/L	0.363911	0.0	24431.8	95.29415
Zr 339.198	896.660	ug/L	5.45492	0.6	54383.8	89.66600Q

CCB (CCB) **10/13/2009, 3:27:30 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	-0.218107uv	ug/L	0.499136	228.8	4.49567	-0.21811
Al 237.312	0.327686	ug/L	0.061554	18.8	8.38910	0.32769
As 188.980	0.238365uv	ug/L	0.760290	319.0	2.13050	0.23836
B 249.678	30.2336	ug/L	4.93016	16.3	908.578	30.23358
Ba 493.408	0.140731	ug/L	0.002281	1.6	535.682	0.14073
Be 313.042	0.137577	ug/L	0.004022	2.9	553.148	0.13758
Ca 373.690	4.64927	ug/L	0.074065	1.6	64.6465	4.64927
Cd 214.439	0.160491	ug/L	0.007408	4.6	9.13544	0.16049
Co 228.615	0.581529	ug/L	0.070044	12.0	14.5435	0.58153
Cr 267.716	0.266587	ug/L	0.008151	3.1	26.2121	0.26659
Cu 327.395	0.310575	ug/L	0.066469	21.4	85.4337	0.31058
Fe 273.955	4.86285	ug/L	1.29522	26.6	97.7010	4.86285
K 404.721	-562.777uv	ug/L	189.051	33.6	11.8018	-562.77728
Li 610.365	-0.159542uv	ug/L	0.107275	67.2	-6.31055	-0.15954
Mg 279.078	3.32154	ug/L	0.464312	14.0	25.0688	3.32154
Mn 257.610	0.213421	ug/L	0.006598	3.1	161.262	0.21342
Mo 202.032	10.3826	ug/L	1.83266	17.7	107.716	10.38256
Na 330.237	32.3033	ug/L	4.49387	13.9	15.7976	32.30332
Ni 216.555	0.020955uv	ug/L	0.117249	559.5	4.01392	0.02095
Pb 220.353	0.128748	ug/L	0.059387	46.1	6.89462	0.12875
Sb 217.582	1.23534	ug/L	0.167990	13.6	6.71788	1.23534
Se 196.026	2.91457	ug/L	0.022508	0.8	3.99454	2.91457
Si 251.611	6.90803	ug/L	2.77018	40.1	102.697	6.90803
Si 288.158	7.37753	ug/L	2.48937	33.7	560.477	7.37753
Sn 283.998	1.22684	ug/L	0.306863	25.0	14.9661	1.22684
Sr 421.552	0.155986	ug/L	0.005280	3.4	436.698	0.15599
Ti 336.122	0.560771	ug/L	0.098285	17.5	166.499	0.56077
Tl 190.794	2.39344	ug/L	0.161970	6.8	4.24341	2.39344
V 292.401	0.326825	ug/L	0.020618	6.3	28.8920	0.32682
Zn 202.548	0.056608	ug/L	0.045230	79.9	51.7156	0.05661
Zr 339.198	0.576641	ug/L	0.025165	4.4	36.8016	0.57664

MB 360-50202/1-A (Samp) **10/13/2009, 3:36:11 PM** **Rack 2, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.026180uv	ug/L	0.325535	1243.4	6.21967
Al 237.312	4.27489	ug/L	0.227810	5.3	27.4132
As 188.980	-0.437766uv	ug/L	0.347774	79.4	1.36957
B 249.678	8.45953	ug/L	0.636670	7.5	269.217
Ba 493.408	1.03209	ug/L	0.001411	0.1	2888.53
Be 313.042	0.001031	ug/L	0.000121	11.8	69.5051
Ca 373.690	134.432	ug/L	0.111025	0.1	751.839
Cd 214.439	0.156407	ug/L	0.003362	2.1	8.97158
Co 228.615	0.275031	ug/L	0.198686	72.2	11.7095
Cr 267.716	0.799074	ug/L	0.001837	0.2	52.9579
Cu 327.395	1.09254	ug/L	0.058523	5.4	142.805
Fe 273.955	54.1719	ug/L	1.27099	2.3	931.666
K 404.721	-680.180uv	ug/L	208.038	30.6	10.2732
Li 610.365	0.056481	ug/L	0.029268	51.8	10.9268
Mg 279.078	35.2082	ug/L	1.22174	3.5	174.156
Mn 257.610	0.475859	ug/L	0.010327	2.2	245.183
Mo 202.032	4.57637	ug/L	0.562534	12.3	49.9232
Na 330.237	133.267	ug/L	19.5053	14.6	29.9419
Ni 216.555	0.270222	ug/L	0.016431	6.1	6.30746
Pb 220.353	2.63226	ug/L	0.249898	9.5	20.0251
Sb 217.582	-1.24877uv	ug/L	0.195794	15.7	1.43141
Se 196.026	4.61856	ug/L	2.91990	63.2	5.02784
Si 251.611	35.0374	ug/L	4.56469	13.0	259.974
Si 288.158	35.5092	ug/L	4.46754	12.6	930.160
Sn 283.998	8.34406	ug/L	0.811213	9.7	49.7445
Sr 421.552	0.553523	ug/L	0.000580	0.1	1477.18
Ti 336.122	0.776083	ug/L	0.167012	21.5	221.145
Tl 190.794	0.919876	ug/L	0.565486	61.5	2.96368
V 292.401	0.053701	ug/L	0.019489	36.3	17.7983
Zn 202.548	3.62994	ug/L	0.066609	1.8	143.141
Zr 339.198	1.96764	ug/L	0.168438	8.6	121.165

LCS 360-50202/2-A (Samp) **10/13/2009, 3:39:04 PM** **Rack 2, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	904.916	ug/L	2.09849	0.2	8134.97
Al 237.312	4463.62	ug/L	7.76782	0.2	21260.7
As 188.980	883.355	ug/L	3.23148	0.4	996.009
B 249.678	893.404	ug/L	7.99354	0.9	26254.2
Ba 493.408	926.420	ug/L	0.569906	0.1	2445563
Be 313.042	903.476	ug/L	1.45086	0.2	3200171
Ca 373.690	18171.1	ug/L	35.0253	0.2	94429.5
Cd 214.439	883.521	ug/L	2.94413	0.3	35458.3
Co 228.615	899.815	ug/L	3.02885	0.3	8329.26
Cr 267.716	913.118	ug/L	2.32149	0.3	45877.1
Cu 327.395	922.665	ug/L	5.80912	0.6	67756.6
Fe 273.955	4596.33	ug/L	13.7996	0.3	76291.9
K 404.721	16971.9	ug/L	109.947	0.6	256.701
Li 610.365	4175.85	ug/L	4.90693	0.1	333214
Mg 279.078	17411.5	ug/L	37.3372	0.2	80501.1
Mn 257.610	910.600	ug/L	2.18071	0.2	291279
Mo 202.032	914.016	ug/L	3.66535	0.4	9102.22
Na 330.237	17291.2	ug/L	23.9104	0.1	2522.06

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ni 216.555	886.700	ug/L	1.08746	0.1	8162.51
Pb 220.353	886.393	ug/L	2.74397	0.3	4655.21
Sb 217.582	858.767	ug/L	1.97432	0.2	1831.65
Se 196.026	888.599	ug/L	3.03326	0.3	541.072
Si 251.611	956.943	ug/L	18.6554	1.9	5414.54
Si 288.158	947.130	ug/L	15.8070	1.7	12909.9
Sn 283.998	899.926	ug/L	1.72318	0.2	4406.48
Sr 421.552	922.423	ug/L	0.859240	0.1	2414302
Ti 336.122	918.997	ug/L	1.11025	0.1	233265
Tl 190.794	879.010	ug/L	4.11502	0.5	765.545
V 292.401	915.821	ug/L	1.84023	0.2	37214.3
Zn 202.548	872.585	ug/L	3.24128	0.4	22375.8
Zr 339.198	918.617	ug/L	0.051574	0.0	55715.5

LCSD 360-50202/3-A (Samp) **10/13/2009, 3:41:57 PM** **Rack 2, Tube 25**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	897.880	ug/L	0.426534	0.0	8071.77
Al 237.312	4432.37	ug/L	1.95732	0.0	21113.7
As 188.980	883.527	ug/L	1.21426	0.1	996.203
B 249.678	905.875	ug/L	3.77053	0.4	26620.4
Ba 493.408	923.088	ug/L	0.878273	0.1	2436768
Be 313.042	898.906	ug/L	1.06480	0.1	3183985
Ca 373.690	18092.3	ug/L	15.0619	0.1	94028.1
Cd 214.439	875.627	ug/L	1.78507	0.2	35141.5
Co 228.615	892.324	ug/L	2.42554	0.3	8260.00
Cr 267.716	908.693	ug/L	0.819793	0.1	45654.8
Cu 327.395	919.391	ug/L	2.69252	0.3	67516.5
Fe 273.955	4565.32	ug/L	8.68416	0.2	75787.3
K 404.721	16642.1	ug/L	251.658	1.5	251.770
Li 610.365	4130.32	ug/L	4.30203	0.1	329581
Mg 279.078	17272.0	ug/L	2.71104	0.0	79863.5
Mn 257.610	905.870	ug/L	1.23852	0.1	289767
Mo 202.032	914.930	ug/L	2.32533	0.3	9111.31
Na 330.237	17102.1	ug/L	22.0708	0.1	2493.63
Ni 216.555	884.965	ug/L	0.570338	0.1	8146.55
Pb 220.353	880.202	ug/L	2.32378	0.3	4622.74
Sb 217.582	869.921	ug/L	2.30530	0.3	1855.38
Se 196.026	883.142	ug/L	3.18828	0.4	537.762
Si 251.611	1016.04	ug/L	18.2831	1.8	5744.95
Si 288.158	1006.02	ug/L	16.4943	1.6	13683.8
Sn 283.998	897.083	ug/L	0.062666	0.0	4392.58
Sr 421.552	919.021	ug/L	0.731319	0.1	2405399
Ti 336.122	919.139	ug/L	0.220669	0.0	233301
Tl 190.794	872.148	ug/L	1.19622	0.1	759.586
V 292.401	911.895	ug/L	0.347727	0.0	37054.8
Zn 202.548	866.116	ug/L	2.28355	0.3	22210.3
Zr 339.198	930.794	ug/L	3.40088	0.4	56453.9

360-25056-A-1-A (Samp) **10/13/2009, 3:44:51 PM** **Rack 2, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.551725	ug/L	0.496475	90.0	11.4108
Al 237.312	56663.6	ug/L	120.658	0.2	244359
As 188.980	19.7961	ug/L	0.264001	1.3	24.1412
B 249.678	42.6588	ug/L	5.22448	12.2	1273.43
Ba 493.408	622.879	ug/L	2.17307	0.3	1644329
Be 313.042	2.09565	ug/L	0.006780	0.3	7488.63
Ca 373.690	17141.8	ug/L	57.0215	0.3	89181.1
Cd 214.439	5.16022	ug/L	0.149123	2.9	209.774
Co 228.615	39.5280	ug/L	0.133597	0.3	374.660
Cr 267.716	112.512	ug/L	0.286296	0.3	5664.08
Cu 327.395	168.831	ug/L	1.48766	0.9	12449.4
Fe 273.955	96206.6	ug/L	540.406	0.6	1334286
K 404.721	11900.4	ug/L	151.719	1.3	182.232
Li 610.365	45.4781	ug/L	0.094811	0.2	3635.29
Mg 279.078	19028.9	ug/L	41.9444	0.2	87884.7
Mn 257.610	1094.51	ug/L	1.95059	0.2	350090
Mo 202.032	10.0535	ug/L	0.373617	3.7	104.441
Na 330.237	186.119	ug/L	39.2137	21.1	37.3486
Ni 216.555	92.3536	ug/L	1.13495	1.2	853.583
Pb 220.353	462.062	ug/L	0.718781	0.2	2429.66
Sb 217.582	3.64065	ug/L	1.46021	40.1	11.8367
Se 196.026	-1.34418uv	ug/L	0.865164	64.4	1.41205
Si 251.611	3633.33	ug/L	0.143631	0.0	20378.8
Si 288.158	3666.53	ug/L	3.56557	0.1	48645.9
Sn 283.998	38.1166	ug/L	0.569882	1.5	195.229
Sr 421.552	74.0713	ug/L	0.269260	0.4	193896
Ti 336.122	3722.42	ug/L	9.43770	0.3	944770
Tl 190.794	-0.215932uv	ug/L	0.993328	460.0	1.97729
V 292.401	159.863	ug/L	0.268510	0.2	6508.90
Zn 202.548	541.515	ug/L	0.649016	0.1	13905.2
Zr 339.198	42.7442	ug/L	3.61563	8.5	2594.24

360-25056-A-1-B DU (Samp) **10/13/2009, 3:47:45 PM** **Rack 2, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.789679	ug/L	0.086234	10.9	13.5482
Al 237.312	61542.8	ug/L	67.4790	0.1	264699
As 188.980	22.2225	ug/L	0.978762	4.4	26.8720
B 249.678	23.4730	ug/L	1.05839	4.5	710.064
Ba 493.408	682.876	ug/L	0.903909	0.1	1802698
Be 313.042	2.50414	ug/L	0.004708	0.2	8935.50
Ca 373.690	16631.5	ug/L	13.0621	0.1	86574.4
Cd 214.439	5.54766	ug/L	0.018527	0.3	225.322
Co 228.615	44.6431	ug/L	0.265872	0.6	421.957
Cr 267.716	112.427	ug/L	0.066410	0.1	5659.82
Cu 327.395	183.923	ug/L	0.518224	0.3	13556.7
Fe 273.955	115411	ug/L	59.9660	0.1	1591881
K 404.721	14919.1	ug/L	32.4903	0.2	226.200
Li 610.365	48.9078	ug/L	0.254877	0.5	3908.96
Mg 279.078	22230.8	ug/L	23.6411	0.1	102455

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1336.39	ug/L	1.04901	0.1	427437
Mo 202.032	5.64736	ug/L	0.118084	2.1	60.5836
Na 330.237	185.630	ug/L	10.4612	5.6	37.2799
Ni 216.555	99.6013	ug/L	0.394004	0.4	920.271
Pb 220.353	535.728	ug/L	0.335902	0.1	2816.02
Sb 217.582	-0.434486uv	ug/L	0.576563	132.7	3.16431
Se 196.026	-0.450330uv	ug/L	1.54662	343.4	1.95408
Si 251.611	3930.94	ug/L	5.21802	0.1	22042.8
Si 288.158	3968.28	ug/L	11.3147	0.3	52611.3
Sn 283.998	38.1772	ug/L	0.832657	2.2	195.525
Sr 421.552	74.9266	ug/L	0.028824	0.0	196135
Ti 336.122	4184.09	ug/L	1.12315	0.0	1061943
Tl 190.794	-1.56286uv	ug/L	0.875264	56.0	0.807541
V 292.401	161.025	ug/L	0.177985	0.1	6556.11
Zn 202.548	587.126	ug/L	0.490365	0.1	15072.2
Zr 339.198	26.4965	ug/L	3.27916	12.4	1608.82

360-25056-A-1-C MS (Samp) **10/13/2009, 3:50:39 PM** **Rack 2, Tube 28**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	881.116	ug/L	2.15011	0.2	7921.19
Al 237.312	69459.1	ug/L	3.89462	0.0	297700
As 188.980	890.083	ug/L	4.17946	0.5	1003.58
B 249.678	857.959	ug/L	8.77052	1.0	25213.4
Ba 493.408	1561.54	ug/L	2.74211	0.2	4122038
Be 313.042	880.365	ug/L	0.374010	0.0	3118312
Ca 373.690	35764.0	ug/L	17.8627	0.0	182310
Cd 214.439	861.143	ug/L	3.83954	0.4	34560.3
Co 228.615	910.833	ug/L	0.299994	0.0	8431.14
Cr 267.716	1023.91	ug/L	0.572410	0.1	51442.0
Cu 327.395	1101.35	ug/L	8.33958	0.8	80866.7
Fe 273.955	108266	ug/L	51.8287	0.0	1496045
K 404.721	30402.4	ug/L	9.29735	0.0	468.231
Li 610.365	4294.50	ug/L	0.919101	0.0	342682
Mg 279.078	39058.9	ug/L	10.2144	0.0	178012
Mn 257.610	1943.75	ug/L	2.37000	0.1	621655
Mo 202.032	868.426	ug/L	0.486395	0.1	8648.43
Na 330.237	17467.1	ug/L	11.9559	0.1	2548.53
Ni 216.555	974.190	ug/L	6.33664	0.7	8967.52
Pb 220.353	1314.38	ug/L	2.19521	0.2	6899.93
Sb 217.582	472.336	ug/L	3.03127	0.6	1009.28
Se 196.026	854.256	ug/L	3.16614	0.4	520.246
Si 251.611	3971.47	ug/L	22.2091	0.6	22269.4
Si 288.158	3994.31	ug/L	23.5646	0.6	52953.3
Sn 283.998	865.940	ug/L	0.368831	0.0	4240.41
Sr 421.552	968.947	ug/L	0.218381	0.0	2536071
Ti 336.122	4573.12	ug/L	11.4563	0.3	1160676
Tl 190.794	824.733	ug/L	1.18604	0.1	718.408
V 292.401	1044.00	ug/L	0.749057	0.1	42420.5
Zn 202.548	1450.95	ug/L	2.84716	0.2	37173.6
Zr 339.198	742.517	ug/L	2.48156	0.3	45035.1

360-25056-A-1-Asd@5 (Samp) **10/13/2009, 3:53:33 PM** **Rack 2, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.144492uv	ug/L	0.351441	243.2	5.15692
Al 237.312	11231.2	ug/L	3.43886	0.0	52495.6
As 188.980	4.64203	ug/L	0.715643	15.4	7.08649
B 249.678	29.1574	ug/L	3.92740	13.5	876.977
Ba 493.408	136.489	ug/L	0.050463	0.0	360442
Be 313.042	0.468577	ug/L	0.004401	0.9	1725.55
Ca 373.690	3523.23	ug/L	4.74863	0.1	18628.9
Cd 214.439	1.18012	ug/L	0.079527	6.7	50.0532
Co 228.615	8.67434	ug/L	0.046860	0.5	89.3733
Cr 267.716	23.5404	ug/L	0.098949	0.4	1195.22
Cu 327.395	35.2299	ug/L	0.212844	0.6	2647.40
Fe 273.955	18860.1	ug/L	4.17083	0.0	294150
K 404.721	1916.37	ug/L	59.5710	3.1	44.2916
Li 610.365	4.82028	ug/L	0.175745	3.6	391.049
Mg 279.078	4156.95	ug/L	0.013120	0.0	19393.6
Mn 257.610	229.773	ug/L	0.116495	0.1	73568.5
Mo 202.032	5.68304	ug/L	0.873148	15.4	60.9387
Na 330.237	-42.3890uv	ug/L	19.8665	46.9	5.33716
Ni 216.555	19.7928	ug/L	0.013179	0.1	185.939
Pb 220.353	100.950	ug/L	0.121334	0.1	535.686
Sb 217.582	4.61911	ug/L	0.834525	18.1	13.9189
Se 196.026	1.57997	ug/L	0.562986	35.6	3.18525
Si 251.611	757.830	ug/L	4.00549	0.5	4301.26
Si 288.158	762.499	ug/L	3.51313	0.5	10483.6
Sn 283.998	6.56600	ug/L	0.612897	9.3	41.0560
Sr 421.552	15.8579	ug/L	0.020375	0.1	41533.5
Ti 336.122	791.479	ug/L	0.958375	0.1	200901
Tl 190.794	0.051410uv	ug/L	0.092229	179.4	2.20946
V 292.401	33.2185	ug/L	0.026316	0.1	1364.88
Zn 202.548	115.742	ug/L	0.570219	0.5	3011.59
Zr 339.198	13.3830	ug/L	1.43023	10.7	813.499

360-25056-A-1-Apds (Samp) **10/13/2009, 3:56:27 PM** **Rack 2, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	934.168	ug/L	2.41739	0.3	8397.73
Al 237.312	59426.6	ug/L	148.868	0.3	255877
As 188.980	954.019	ug/L	2.67366	0.3	1075.54
B 249.678	945.207	ug/L	11.8780	1.3	27775.4
Ba 493.408	1467.52	ug/L	5.60377	0.4	3873872
Be 313.042	939.807	ug/L	3.26062	0.3	3328855
Ca 373.690	35972.3	ug/L	114.328	0.3	183329
Cd 214.439	912.617	ug/L	1.89016	0.2	36625.9
Co 228.615	963.016	ug/L	3.02717	0.3	8913.65
Cr 267.716	1049.02	ug/L	3.32656	0.3	52703.2
Cu 327.395	1131.38	ug/L	3.14236	0.3	83069.5
Fe 273.955	95658.6	ug/L	112.772	0.1	1326936
K 404.721	30709.2	ug/L	258.751	0.8	473.308
Li 610.365	4562.47	ug/L	4.54993	0.1	364064
Mg 279.078	36662.4	ug/L	125.917	0.3	167357

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1906.14	ug/L	0.120585	0.0	609629
Mo 202.032	956.474	ug/L	4.81285	0.5	9524.83
Na 330.237	18416.1	ug/L	26.5828	0.1	2691.60
Ni 216.555	1003.49	ug/L	5.90057	0.6	9237.12
Pb 220.353	1326.13	ug/L	2.49887	0.2	6961.55
Sb 217.582	913.131	ug/L	1.18612	0.1	1947.34
Se 196.026	924.624	ug/L	1.18664	0.1	562.917
Si 251.611	4411.87	ug/L	1.60963	0.0	24731.8
Si 288.158	4436.08	ug/L	11.2557	0.3	58758.7
Sn 283.998	931.545	ug/L	0.616302	0.1	4560.99
Sr 421.552	1015.68	ug/L	0.988197	0.1	2658393
Ti 336.122	4423.81	ug/L	13.7844	0.3	1122783
Tl 190.794	882.958	ug/L	0.270344	0.0	768.974
V 292.401	1103.28	ug/L	4.04178	0.4	44828.4
Zn 202.548	1401.22	ug/L	1.70260	0.1	35901.3
Zr 339.198	964.082	ug/L	2.08062	0.2	58472.9

CCV (CCV) **10/13/2009, 3:59:21 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	983.282	ug/L	1.11215	0.1	8838.90	98.32816
Al 237.312	4937.70	ug/L	1.20809	0.0	23487.6	98.75406
As 188.980	973.032	ug/L	0.624027	0.1	1096.93	97.30325
B 249.678	1012.51	ug/L	14.6952	1.5	29751.6	101.25098
Ba 493.408	993.637	ug/L	0.110917	0.0	2622989	99.36368
Be 313.042	975.755	ug/L	0.436159	0.0	3456183	97.57549
Ca 373.690	19407.4	ug/L	13.1505	0.1	100718	97.03697
Cd 214.439	965.978	ug/L	0.815866	0.1	38767.3	96.59782
Co 228.615	971.796	ug/L	0.353769	0.0	8994.83	97.17958
Cr 267.716	973.611	ug/L	0.086489	0.0	48915.6	97.36107
Cu 327.395	986.695	ug/L	1.07551	0.1	72454.4	98.66951
Fe 273.955	4960.55	ug/L	1.22017	0.0	82209.5	99.21091
K 404.721	19786.0	ug/L	41.2055	0.2	299.300	98.92976
Li 610.365	4844.90	ug/L	0.397402	0.0	386600	96.89806
Mg 279.078	19396.3	ug/L	8.79326	0.0	89559.7	96.98137
Mn 257.610	975.575	ug/L	0.138279	0.0	312057	97.55745
Mo 202.032	984.385	ug/L	0.132712	0.0	9802.65	98.43851
Na 330.237	19638.7	ug/L	38.2625	0.2	2876.71	98.19371
Ni 216.555	966.329	ug/L	1.81701	0.2	8895.19	96.63286
Pb 220.353	971.864	ug/L	0.665329	0.1	5103.49	97.18639
Sb 217.582	984.143	ug/L	0.675515	0.1	2098.46	98.41435
Se 196.026	974.897	ug/L	0.389591	0.0	593.402	97.48970
Si 251.611	990.514	ug/L	12.9753	1.3	5602.25	99.05143
Si 288.158	979.519	ug/L	15.3906	1.6	13335.5	97.95189
Sn 283.998	971.629	ug/L	0.381434	0.0	4756.86	97.16292
Sr 421.552	987.014	ug/L	0.982112	0.1	2583358	98.70142
Ti 336.122	987.300	ug/L	1.05859	0.1	250600	98.73000
Tl 190.794	976.132	ug/L	5.93393	0.6	849.891	97.61319
V 292.401	977.651	ug/L	0.511038	0.1	39725.6	97.76509
Zn 202.548	956.303	ug/L	0.842667	0.1	24517.8	95.63033
Zr 339.198	985.093	ug/L	0.417298	0.0	59747.2	98.50930

CCB (CCB) **10/13/2009, 4:02:14 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	-0.457236uv	ug/L	0.111276	24.3	2.34766	-0.45724
Al 237.312	1.27259	ug/L	0.477426	37.5	12.9432	1.27259
As 188.980	0.311539	ug/L	0.190823	61.3	2.21285	0.31154
B 249.678	44.2574	ug/L	5.87660	13.3	1320.36	44.25735
Ba 493.408	0.152313	ug/L	0.008477	5.6	566.254	0.15231
Be 313.042	0.146471	ug/L	0.005969	4.1	584.652	0.14647
Ca 373.690	5.54430	ug/L	0.827495	14.9	69.3862	5.54430
Cd 214.439	0.159288	ug/L	0.017414	10.9	9.08718	0.15929
Co 228.615	0.411677	ug/L	0.096406	23.4	12.9730	0.41168
Cr 267.716	0.210523	ug/L	0.031665	15.0	23.3961	0.21052
Cu 327.395	0.172918	ug/L	0.045429	26.3	75.3341	0.17292
Fe 273.955	3.68041	ug/L	0.802563	21.8	77.6983	3.68041
K 404.721	-572.894uv	ug/L	56.8159	9.9	11.6700	-572.89368
Li 610.365	-0.075585uv	ug/L	0.041366	54.7	0.388672	-0.07559
Mg 279.078	2.94471	ug/L	0.596215	20.2	23.3069	2.94471
Mn 257.610	0.224481	ug/L	0.003035	1.4	164.799	0.22448
Mo 202.032	10.4334	ug/L	1.92568	18.5	108.222	10.43338
Na 330.237	-11.7204uv	ug/L	4.07043	34.7	9.63208	-11.72038
Ni 216.555	0.130252	ug/L	0.000678	0.5	5.01958	0.13025
Pb 220.353	0.201224uv	ug/L	0.672427	334.2	7.27475	0.20122
Sb 217.582	1.32490	ug/L	0.068334	5.2	6.90849	1.32490
Se 196.026	3.47784	ug/L	0.637388	18.3	4.33611	3.47784
Si 251.611	3.59466	ug/L	1.49598	41.6	84.1707	3.59466
Si 288.158	4.12597	ug/L	1.94574	47.2	517.748	4.12597
Sn 283.998	1.00055	ug/L	0.231278	23.1	13.8603	1.00055
Sr 421.552	0.164856	ug/L	0.001579	1.0	459.913	0.16486
Ti 336.122	0.768339	ug/L	0.242805	31.6	219.180	0.76834
Tl 190.794	1.99873	ug/L	0.729761	36.5	3.90062	1.99873
V 292.401	0.180091	ug/L	0.141317	78.5	22.9319	0.18009
Zn 202.548	0.158149	ug/L	0.053956	34.1	54.3135	0.15815
Zr 339.198	0.662194	ug/L	0.161136	24.3	41.9904	0.66219

360-25056-A-2-A (Samp) **10/13/2009, 4:05:08 PM** **Rack 2, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.577042	ug/L	0.033902	5.9	11.6382
Al 237.312	78376.0	ug/L	212.668	0.3	334872
As 188.980	29.1435	ug/L	2.44357	8.4	34.6610
B 249.678	33.7715	ug/L	1.73382	5.1	1012.46
Ba 493.408	798.457	ug/L	2.84012	0.4	2107789
Be 313.042	3.66908	ug/L	0.012994	0.4	13061.7
Ca 373.690	23859.5	ug/L	89.2156	0.4	123222
Cd 214.439	19.4788	ug/L	0.131653	0.7	784.378
Co 228.615	57.0296	ug/L	0.100006	0.2	536.488
Cr 267.716	195.012	ug/L	0.695033	0.4	9807.95
Cu 327.395	331.607	ug/L	0.412767	0.1	24392.0
Fe 273.955	168614	ug/L	869.620	0.5	2305531
K 404.721	14399.4	ug/L	155.869	1.1	218.556
Li 610.365	50.3092	ug/L	0.083147	0.2	4020.79
Mg 279.078	22839.1	ug/L	75.2599	0.3	105217

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1496.91	ug/L	6.00022	0.4	478767
Mo 202.032	18.5789	ug/L	1.41277	7.6	189.300
Na 330.237	204.808	ug/L	13.3227	6.5	39.9679
Ni 216.555	138.792	ug/L	0.640395	0.5	1280.87
Pb 220.353	1975.73	ug/L	4.07760	0.2	10368.6
Sb 217.582	0.537377uv	ug/L	1.75143	325.9	5.23254
Se 196.026	-2.89961uv	ug/L	0.078929	2.7	0.468842
Si 251.611	4958.84	ug/L	20.4267	0.4	27790.0
Si 288.158	5001.20	ug/L	22.9734	0.5	66185.0
Sn 283.998	70.7402	ug/L	2.15610	3.0	354.645
Sr 421.552	88.8618	ug/L	0.303430	0.3	232608
Ti 336.122	3953.24	ug/L	11.6952	0.3	1003351
Tl 190.794	-0.462861uv	ug/L	1.77320	383.1	1.76284
V 292.401	224.721	ug/L	1.01869	0.5	9143.28
Zn 202.548	780.462	ug/L	0.025248	0.0	20018.8
Zr 339.198	52.6464	ug/L	5.56731	10.6	3194.80

360-25056-A-3-A (Samp) **10/13/2009, 4:08:02 PM** **Rack 2, Tube 32**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.703847	ug/L	0.673555	95.7	12.7772
Al 237.312	85011.1	ug/L	71.4620	0.1	362532
As 188.980	19.5137	ug/L	0.387407	2.0	23.8233
B 249.678	24.6624	ug/L	0.678401	2.8	744.990
Ba 493.408	764.852	ug/L	0.400812	0.1	2019085
Be 313.042	3.19476	ug/L	0.007431	0.2	11381.7
Ca 373.690	19472.3	ug/L	75.0044	0.4	101047
Cd 214.439	8.12830	ug/L	0.138265	1.7	328.883
Co 228.615	51.8215	ug/L	0.028614	0.1	488.331
Cr 267.716	163.706	ug/L	0.082292	0.1	8235.46
Cu 327.395	575.236	ug/L	0.134223	0.0	42266.5
Fe 273.955	127548	ug/L	202.967	0.2	1754682
K 404.721	15496.2	ug/L	238.068	1.5	234.728
Li 610.365	58.3793	ug/L	0.199734	0.3	4664.73
Mg 279.078	26048.4	ug/L	40.7429	0.2	119747
Mn 257.610	1210.88	ug/L	1.11383	0.1	387303
Mo 202.032	11.0298	ug/L	0.869105	7.9	114.158
Na 330.237	142.495	ug/L	53.5414	37.6	31.2354
Ni 216.555	132.990	ug/L	0.515829	0.4	1227.49
Pb 220.353	669.945	ug/L	0.804817	0.1	3519.97
Sb 217.582	-0.395782uv	ug/L	2.17108	548.6	3.24667
Se 196.026	-1.04678uv	ug/L	1.10946	106.0	1.59239
Si 251.611	4554.65	ug/L	20.7257	0.5	25530.1
Si 288.158	4594.83	ug/L	20.5272	0.4	60844.8
Sn 283.998	59.3922	ug/L	1.34916	2.3	299.193
Sr 421.552	93.8898	ug/L	0.038837	0.0	245768
Ti 336.122	4096.12	ug/L	0.952937	0.0	1039614
Tl 190.794	-0.336076uv	ug/L	1.29173	384.4	1.87295
V 292.401	213.047	ug/L	0.061598	0.0	8669.13
Zn 202.548	458.954	ug/L	4.40032	1.0	11792.9
Zr 339.198	27.8828	ug/L	3.63992	13.1	1692.91

360-25056-A-4-A (Samp) **10/13/2009, 4:10:56 PM** **Rack 2, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.564947	ug/L	0.476814	84.4	11.5295
Al 237.312	101260	ug/L	252.945	0.2	430270
As 188.980	25.9261	ug/L	0.391560	1.5	31.0401
B 249.678	21.3675	ug/L	0.365151	1.7	648.240
Ba 493.408	996.833	ug/L	2.25515	0.2	2631426
Be 313.042	3.43590	ug/L	0.005801	0.2	12235.8
Ca 373.690	24553.1	ug/L	134.934	0.5	126707
Cd 214.439	11.7561	ug/L	0.139784	1.2	474.466
Co 228.615	65.5243	ug/L	0.262619	0.4	615.034
Cr 267.716	194.622	ug/L	0.295592	0.2	9788.33
Cu 327.395	501.210	ug/L	2.44514	0.5	36835.4
Fe 273.955	167491	ug/L	319.226	0.2	2290468
K 404.721	18919.4	ug/L	317.045	1.7	286.088
Li 610.365	72.4296	ug/L	0.125758	0.2	5785.86
Mg 279.078	38627.0	ug/L	92.9183	0.2	176095
Mn 257.610	1689.20	ug/L	7.60891	0.5	540257
Mo 202.032	7.16406	ug/L	0.344564	4.8	75.6803
Na 330.237	187.728	ug/L	13.1771	7.0	37.5740
Ni 216.555	165.575	ug/L	1.06371	0.6	1527.31
Pb 220.353	702.149	ug/L	1.16929	0.2	3688.88
Sb 217.582	0.001083uv	ug/L	0.954746	88182.9	4.09125
Se 196.026	-0.670922uv	ug/L	0.753567	112.3	1.82031
Si 251.611	3223.87	ug/L	2.17570	0.1	18089.4
Si 288.158	3245.65	ug/L	6.96852	0.2	43115.1
Sn 283.998	69.3982	ug/L	0.375791	0.5	348.087
Sr 421.552	82.0800	ug/L	0.135231	0.2	214858
Ti 336.122	4651.65	ug/L	14.9497	0.3	1180608
Tl 190.794	-0.703579uv	ug/L	1.71179	243.3	1.55379
V 292.401	291.213	ug/L	0.603915	0.2	11844.0
Zn 202.548	631.254	ug/L	1.63156	0.3	16201.3
Zr 339.198	26.8514	ug/L	2.98994	11.1	1630.35

360-24563-A-3-F (Samp) **10/13/2009, 4:13:50 PM** **Rack 2, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.910857uv	ug/L	0.219246	24.1	-1.72705
Al 237.312	47558.9	ug/L	75.9946	0.2	206404
As 188.980	27.2471	ug/L	0.448823	1.6	32.5267
B 249.678	10.3071	ug/L	0.335126	3.3	323.468
Ba 493.408	121.688	ug/L	0.177872	0.1	321373
Be 313.042	3.05593	ug/L	0.010408	0.3	10890.0
Ca 373.690	10238.6	ug/L	39.9115	0.4	53676.9
Cd 214.439	3.86987	ug/L	0.007530	0.2	157.993
Co 228.615	41.6129	ug/L	0.203387	0.5	393.938
Cr 267.716	103.457	ug/L	0.080404	0.1	5209.27
Cu 327.395	94.1279	ug/L	0.405128	0.4	6968.61
Fe 273.955	68878.8	ug/L	284.820	0.4	967723
K 404.721	9663.00	ug/L	301.280	3.1	150.323
Li 610.365	70.4638	ug/L	0.139763	0.2	5629.00
Mg 279.078	16996.2	ug/L	44.1320	0.3	78602.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	614.787	ug/L	1.26018	0.2	196686
Mo 202.032	2.15736	ug/L	0.108439	5.0	25.8452
Na 330.237	119.533	ug/L	18.7512	15.7	28.0175
Ni 216.555	88.4433	ug/L	0.409416	0.5	817.604
Pb 220.353	22.4156	ug/L	0.354255	1.6	123.786
Sb 217.582	-0.924318uv	ug/L	1.06900	115.7	2.12189
Se 196.026	-1.03381uv	ug/L	0.261325	25.3	1.60026
Si 251.611	3210.35	ug/L	13.3442	0.4	18013.8
Si 288.158	3253.50	ug/L	16.9593	0.5	43218.2
Sn 283.998	37.6240	ug/L	0.516997	1.4	192.822
Sr 421.552	62.7043	ug/L	0.120388	0.2	164145
Ti 336.122	1728.80	ug/L	6.37294	0.4	438791
Tl 190.794	-0.266735uv	ug/L	0.730650	273.9	1.93317
V 292.401	79.6134	ug/L	0.046972	0.1	3249.34
Zn 202.548	325.265	ug/L	1.54807	0.5	8372.35
Zr 339.198	12.9247	ug/L	0.308019	2.4	785.703

360-24563-A-7-F (Samp) **10/13/2009, 4:16:43 PM** **Rack 2, Tube 35**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.123733uv	ug/L	0.530376	428.6	5.34338
Al 237.312	93290.6	ug/L	238.814	0.3	397047
As 188.980	82.7198	ug/L	0.323267	0.4	94.9569
B 249.678	11.8332	ug/L	0.431639	3.6	368.279
Ba 493.408	301.155	ug/L	0.588292	0.2	795099
Be 313.042	3.46264	ug/L	0.015724	0.5	12330.5
Ca 373.690	34671.5	ug/L	90.1506	0.3	176953
Cd 214.439	4.36719	ug/L	0.067276	1.5	177.950
Co 228.615	119.632	ug/L	0.423907	0.4	1115.33
Cr 267.716	350.826	ug/L	1.25261	0.4	17634.2
Cu 327.395	485.630	ug/L	3.88276	0.8	35692.3
Fe 273.955	198261	ug/L	719.028	0.4	2703204
K 404.721	19369.7	ug/L	45.6581	0.2	292.942
Li 610.365	108.370	ug/L	0.058469	0.1	8653.69
Mg 279.078	49762.8	ug/L	193.642	0.4	225179
Mn 257.610	1771.85	ug/L	6.76689	0.4	566685
Mo 202.032	22.6860	ug/L	0.350643	1.5	230.181
Na 330.237	956.108	ug/L	41.6931	4.4	145.443
Ni 216.555	176.441	ug/L	1.14938	0.7	1627.29
Pb 220.353	42.4241	ug/L	0.458571	1.1	228.727
Sb 217.582	-0.480704uv	ug/L	1.25872	261.8	3.06595
Se 196.026	-2.45830uv	ug/L	0.890928	36.2	0.736450
Si 251.611	3609.82	ug/L	27.9129	0.8	20247.3
Si 288.158	3644.12	ug/L	26.4362	0.7	48351.4
Sn 283.998	127.891	ug/L	1.50079	1.2	633.913
Sr 421.552	94.0577	ug/L	0.230045	0.2	246207
Ti 336.122	5470.11	ug/L	12.6002	0.2	1388332
Tl 190.794	-1.32955uv	ug/L	0.814188	61.2	1.01016
V 292.401	313.194	ug/L	1.11167	0.4	12736.9
Zn 202.548	364.243	ug/L	1.09681	0.3	9369.63
Zr 339.198	23.0436	ug/L	0.400038	1.7	1399.41

360-24686-A-8-E (Samp) **10/13/2009, 4:19:37 PM** **Rack 2, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	49.3181	ug/L	0.423483	0.9	449.460
Al 237.312	114057	ug/L	226.622	0.2	483615
As 188.980	82.6105	ug/L	0.849346	1.0	94.8339
B 249.678	8.24095	ug/L	0.467290	5.7	262.799
Ba 493.408	455.428	ug/L	0.854881	0.2	1202321
Be 313.042	4.02190	ug/L	0.017305	0.4	14311.4
Ca 373.690	23330.0	ug/L	29.9443	0.1	120556
Cd 214.439	4.53367	ug/L	0.012274	0.3	184.631
Co 228.615	92.3785	ug/L	0.121253	0.1	863.340
Cr 267.716	3573.06	ug/L	10.5935	0.3	179481
Cu 327.395	163.892	ug/L	1.15618	0.7	12087.1
Fe 273.955	213881	ug/L	779.596	0.4	2912729
K 404.721	28545.3	ug/L	255.383	0.9	437.746
Li 610.365	158.696	ug/L	0.078764	0.0	12669.4
Mg 279.078	47131.9	ug/L	84.4772	0.2	213650
Mn 257.610	2729.49	ug/L	7.10801	0.3	872914
Mo 202.032	6.81711	ug/L	0.142118	2.1	72.2270
Na 330.237	394.351	ug/L	48.3300	12.3	66.5464
Ni 216.555	86.0782	ug/L	1.14276	1.3	795.843
Pb 220.353	33.7064	ug/L	0.562434	1.7	183.004
Sb 217.582	0.695262uv	ug/L	2.93181	421.7	5.56854
Se 196.026	-2.50520uv	ug/L	0.148749	5.9	0.708008
Si 251.611	3310.22	ug/L	15.2731	0.5	18572.2
Si 288.158	3361.55	ug/L	17.6545	0.5	44638.2
Sn 283.998	1508.62	ug/L	2.67746	0.2	7380.87
Sr 421.552	39.5957	ug/L	0.133823	0.3	103663
Ti 336.122	11463.0	ug/L	26.6954	0.2	2909327
Tl 190.794	2.52098	ug/L	2.06721	82.0	4.35417
V 292.401	241.330	ug/L	0.459982	0.2	9817.91
Zn 202.548	422.350	ug/L	1.86420	0.4	10856.3
Zr 339.198	20.9657	ug/L	0.109351	0.5	1273.38

CCV (CCV) **10/13/2009, 4:22:30 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	987.115	ug/L	3.52436	0.4	8873.33	98.71147
Al 237.312	4945.39	ug/L	4.81716	0.1	23523.7	98.90771
As 188.980	974.833	ug/L	2.16357	0.2	1098.96	97.48332
B 249.678	983.140	ug/L	15.9392	1.6	28889.2	98.31398
Ba 493.408	994.429	ug/L	0.108328	0.0	2625079	99.44286
Be 313.042	977.189	ug/L	0.145616	0.0	3461264	97.71895
Ca 373.690	19457.8	ug/L	16.6198	0.1	100973	97.28889
Cd 214.439	970.304	ug/L	0.348547	0.0	38940.9	97.03035
Co 228.615	974.592	ug/L	0.049589	0.0	9020.68	97.45918
Cr 267.716	976.071	ug/L	0.207764	0.0	49039.1	97.60711
Cu 327.395	987.698	ug/L	7.20965	0.7	72527.9	98.76975
Fe 273.955	4980.42	ug/L	3.95883	0.1	82531.9	99.60847
K 404.721	19300.1	ug/L	38.6837	0.2	291.880	96.50041
Li 610.365	4855.94	ug/L	1.93971	0.0	387481	97.11887
Mg 279.078	19469.9	ug/L	4.56581	0.0	89895.2	97.34939

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	977.795	ug/L	0.172633	0.0	312767	97.77951
Mo 202.032	981.236	ug/L	0.600160	0.1	9771.30	98.12358
Na 330.237	19708.1	ug/L	47.9079	0.2	2887.23	98.54039
Ni 216.555	969.149	ug/L	2.30733	0.2	8921.14	96.91487
Pb 220.353	975.930	ug/L	1.05937	0.1	5124.81	97.59295
Sb 217.582	986.197	ug/L	0.323386	0.0	2102.83	98.61971
Se 196.026	974.731	ug/L	0.831403	0.1	593.301	97.47305
Si 251.611	993.551	ug/L	12.6412	1.3	5619.23	99.35512
Si 288.158	982.145	ug/L	13.9288	1.4	13370.0	98.21454
Sn 283.998	973.601	ug/L	0.998512	0.1	4766.49	97.36012
Sr 421.552	988.572	ug/L	1.47023	0.1	2587434	98.85716
Ti 336.122	990.505	ug/L	0.518634	0.1	251413	99.05055
Tl 190.794	978.096	ug/L	1.12315	0.1	851.597	97.80962
V 292.401	979.846	ug/L	0.332276	0.0	39814.8	97.98457
Zn 202.548	961.224	ug/L	0.349842	0.0	24643.7	96.12241
Zr 339.198	953.406	ug/L	5.19735	0.5	57825.4	95.34058

CCB (CCB) **10/13/2009, 4:25:23 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	-0.061534uv	ug/L	0.550729	895.0	5.90210	-0.06153
Al 237.312	0.892312	ug/L	0.634579	71.1	11.1104	0.89231
As 188.980	1.10309	ug/L	0.382796	34.7	3.10368	1.10309
B 249.678	31.4724	ug/L	5.34819	17.0	944.953	31.47235
Ba 493.408	0.163061	ug/L	0.002691	1.7	594.624	0.16306
Be 313.042	0.155241	ug/L	0.002629	1.7	615.715	0.15524
Ca 373.690	4.95675	ug/L	0.187086	3.8	66.2748	4.95675
Cd 214.439	0.192531	ug/L	0.026996	14.0	10.4212	0.19253
Co 228.615	0.663250	ug/L	0.055675	8.4	15.2991	0.66325
Cr 267.716	0.305478	ug/L	0.050740	16.6	28.1655	0.30548
Cu 327.395	0.031008uv	ug/L	0.076521	246.8	64.9225	0.03101
Fe 273.955	4.81993	ug/L	0.423484	8.8	96.9749	4.81993
K 404.721	-503.654uv	ug/L	50.7299	10.1	12.5715	-503.65405
Li 610.365	-0.038576uv	ug/L	0.134552	348.8	3.34180	-0.03858
Mg 279.078	3.23389	ug/L	0.742408	23.0	24.6590	3.23389
Mn 257.610	0.250720	ug/L	0.014739	5.9	173.190	0.25072
Mo 202.032	9.81513	ug/L	1.72537	17.6	102.068	9.81513
Na 330.237	-26.0313uv	ug/L	11.1931	43.0	7.62793	-26.03134
Ni 216.555	0.253323	ug/L	0.146659	57.9	6.15198	0.25332
Pb 220.353	0.567924	ug/L	0.142826	25.1	9.19803	0.56792
Sb 217.582	0.803230	ug/L	0.162443	20.2	5.79831	0.80323
Se 196.026	2.22365	ug/L	1.64534	74.0	3.57557	2.22365
Si 251.611	3.47763	ug/L	1.83563	52.8	83.5164	3.47763
Si 288.158	3.78560	ug/L	1.65471	43.7	513.275	3.78560
Sn 283.998	0.495736	ug/L	0.418272	84.4	11.3935	0.49574
Sr 421.552	0.175436	ug/L	0.004304	2.5	487.604	0.17544
Ti 336.122	1.05126	ug/L	0.330086	31.4	290.984	1.05126
Tl 190.794	0.343270uv	ug/L	0.554441	161.5	2.46293	0.34327
V 292.401	0.328825	ug/L	0.058995	17.9	28.9732	0.32882
Zn 202.548	0.149968	ug/L	0.018373	12.3	54.1042	0.14997
Zr 339.198	0.614783	ug/L	0.135886	22.1	39.1149	0.61478

Interf Check A (ICSA) **10/14/2009, 7:26:07 AM** **Rack 0, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.222081	ug/L	0.187612	84.5	8.44971	0.22208
Al 237.312	111326	ug/L	69.1363	0.1	472232	1326.00000K
As 188.980	0.484583	ug/L	0.382710	79.0	2.40760	0.48458
B 249.678	0.415678	ug/L	0.016256	3.9	33.0221	0.41568
Ba 493.408	0.328953	ug/L	0.009601	2.9	1032.52	0.32895
Be 313.042	0.031430	ug/L	0.000311	1.0	177.177	0.03143
Ca 373.690	111398	ug/L	640.711	0.6	521555	1398.01563K
Cd 214.439	0.926443	ug/L	0.004003	0.4	39.8730	0.92644
Co 228.615	1.73446	ug/L	0.043068	2.5	25.2040	1.73446
Cr 267.716	0.593233	ug/L	0.067762	11.4	42.6190	0.59323
Cu 327.395	0.850470	ug/L	0.102576	12.1	125.045	0.85047
Fe 273.955	43337.2	ug/L	133.627	0.3	625118	3337.20313K
K 404.721	2371.25	ug/L	103.062	4.3	50.3267	2371.24902
Li 610.365	0.795702	ug/L	0.127456	16.0	69.9121	0.79570
Mg 279.078	109810	ug/L	326.009	0.3	477193	9810.07813K
Mn 257.610	3.16826	ug/L	0.018164	0.6	1106.14	3.16826
Mo 202.032	0.169413	ug/L	0.177506	104.8	6.05769	0.16941
Na 330.237	177.679	ug/L	14.7826	8.3	36.1656	177.67932
Ni 216.555	4.88385	ug/L	0.523420	10.7	48.7583	4.88385
Pb 220.353	-1.33022uv	ug/L	0.051709	3.9	-0.757446	-1.33022
Sb 217.582	-0.808048uv	ug/L	0.389986	48.3	2.36932	-0.80805
Se 196.026	-2.10889uv	ug/L	0.761894	36.1	0.948334	-2.10889
Si 251.611	-1.54135uv	ug/L	0.464743	30.2	55.4542	-1.54135
Si 288.158	0.592074uv	ug/L	1.65341	279.3	471.309	0.59207
Sn 283.998	4.64984	ug/L	0.390380	8.4	31.6926	4.64984
Sr 421.552	0.602117	ug/L	0.003564	0.6	1604.36	0.60212
Ti 336.122	1.58423	ug/L	0.006643	0.4	426.252	1.58423
Tl 190.794	0.579728uv	ug/L	1.31483	226.8	2.66828	0.57973
V 292.401	1.84584	ug/L	0.091957	5.0	90.5911	1.84584
Zn 202.548	0.377126uv	ug/L	1.24979	331.4	59.9162	0.37713
Zr 339.198	0.537129	ug/L	0.025954	4.8	34.4053	0.53713

Interf Check AB (ICSAB) **10/14/2009, 7:29:01 AM** **Rack 0, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	627.659	ug/L	0.499429	0.1	5644.48	104.60983
Al 237.312	110596	ug/L	130.892	0.1	469190	110.59641
As 188.980	1983.88	ug/L	1.71779	0.1	2234.56	99.19395
B 249.678	1.67993	ug/L	0.605052	36.0	70.1448	-
Ba 493.408	585.965	ug/L	0.525971	0.1	1546890	97.66080
Be 313.042	194.122	ug/L	0.030049	0.0	687645	97.06113
Ca 373.690	110574	ug/L	445.157	0.4	518108	110.57364
Cd 214.439	584.709	ug/L	1.27779	0.2	23467.0	97.45154
Co 228.615	588.443	ug/L	2.00535	0.3	5450.18	98.07389
Cr 267.716	570.820	ug/L	0.362832	0.1	28684.1	95.13663
Cu 327.395	598.196	ug/L	3.09519	0.5	43951.0	99.69930
Fe 273.955	43286.3	ug/L	168.457	0.4	624434	108.21564
K 404.721	43409.4	ug/L	76.3565	0.2	692.909	108.52347
Li 610.365	0.728011	ug/L	0.020198	2.8	64.5107	-
Mg 279.078	108606	ug/L	227.893	0.2	472294	108.60625

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	387.369	ug/L	0.283788	0.1	123964	96.84222
Mo 202.032	0.317681	ug/L	0.116159	36.6	7.53351	-
Na 330.237	101.748	ug/L	7.39063	7.3	25.5256	-
Ni 216.555	576.129	ug/L	0.815175	0.1	5304.89	96.02155
Pb 220.353	1877.37	ug/L	3.88866	0.2	9852.72	93.86848
Sb 217.582	943.787	ug/L	2.56615	0.3	2012.58	94.37870
Se 196.026	996.983	ug/L	2.27397	0.2	606.795	99.69830
Si 251.611	-0.444024uv	ug/L	0.769086	173.2	61.5896	-
Si 288.158	2.41885	ug/L	1.83136	75.7	495.314	-
Sn 283.998	276.065	ug/L	1.24786	0.5	1357.97	-
Sr 421.552	0.634016	ug/L	0.001601	0.3	1687.85	-
Ti 336.122	1.63440	ug/L	0.024935	1.5	438.984	-
Tl 190.794	1912.28	ug/L	5.51633	0.3	1662.89	95.61401
V 292.401	596.512	ug/L	0.843013	0.1	24244.6	99.41868
Zn 202.548	576.778	ug/L	14.3742	2.5	14807.5	96.12962
Zr 339.198	1.79023	ug/L	0.116063	6.5	110.405	-

RB (ICSAB) **10/13/2009, 4:34:06 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	-0.158265uv	ug/L	0.284551	179.8	5.03320	-
Al 237.312	3.61788	ug/L	1.04841	29.0	24.2466	-
As 188.980	-0.130207uv	ug/L	1.76920	1358.8	1.71570	-
B 249.678	9.06071	ug/L	1.57866	17.4	286.870	-
Ba 493.408	0.006770	ug/L	0.009301	137.4	182.074	-
Be 313.042	0.012836	ug/L	0.001169	9.1	111.316	-
Ca 373.690	3.01235	ug/L	0.775170	25.7	55.9779	-
Cd 214.439	0.067751	ug/L	0.020298	30.0	5.41382	-
Co 228.615	0.342943	ug/L	0.307695	89.7	12.3374	-
Cr 267.716	0.140150	ug/L	0.046329	33.1	19.8614	-
Cu 327.395	0.129837	ug/L	0.067898	52.3	72.1733	-
Fe 273.955	2.98091	ug/L	0.668538	22.4	65.8649	-
K 404.721	-568.571uv	ug/L	478.421	84.1	11.7263	-
Li 610.365	0.139532	ug/L	0.061322	43.9	17.5537	-
Mg 279.078	3.61804	ug/L	0.234030	6.5	26.4551	-
Mn 257.610	0.092840	ug/L	0.000454	0.5	122.704	-
Mo 202.032	1.04366	ug/L	0.342383	32.8	14.7597	-
Na 330.237	28.3515	ug/L	14.5640	51.4	15.2441	-
Ni 216.555	0.021700uv	ug/L	0.184265	849.2	4.02077	-
Pb 220.353	-0.589808uv	ug/L	0.450375	76.4	3.12592	-
Sb 217.582	0.305331	ug/L	0.176609	57.8	4.73872	-
Se 196.026	0.539935uv	ug/L	0.875964	162.2	2.55457	-
Si 251.611	4.88696	ug/L	2.08574	42.7	91.3963	-
Si 288.158	5.05025	ug/L	1.51178	29.9	529.894	-
Sn 283.998	0.604428	ug/L	0.435229	72.0	11.9246	-
Sr 421.552	0.009960	ug/L	0.004892	49.1	54.5020	-
Ti 336.122	0.314981	ug/L	0.134919	42.8	104.118	-
Tl 190.794	-0.256681uv	ug/L	1.14400	445.7	1.94190	-
V 292.401	0.078340	ug/L	0.085484	109.1	18.7991	-
Zn 202.548	0.157021	ug/L	0.089353	56.9	54.2847	-
Zr 339.198	0.198918	ug/L	0.016606	8.3	13.8929	-

Metals Worksheet

Batch Number: 360-50202
Method: 3050B
Analyst: Burton, Teresa F

Date Open: Oct 13 2009 9:57AM
Batch End: Oct 13 2009 1:30PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	stlma-3_00041	stlma2_00036
MB~360-50202/1		3050B, 6010B		2.0 g	100 mL		
LCS~360-50202/2		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
LCSD~360-50202/3		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
360-25056-A-1	MW-7A 0-1.5 Ft		T	1.54 g	100 mL		
360-25056-A-1~DU			T	1.52 g	100 mL		
360-25056-A-1~MS			T	1.53 g	100 mL	1.0 mL	1.0 mL
360-25056-A-2	MW-7B 0-2.0 Ft		T	1.83 g	100 mL		
360-25056-A-3	MW-7C 0-2.0 Ft		T	1.87 g	100 mL		
360-25056-A-4	MW-7D 0-1.5 Ft		T	1.91 g	100 mL		
360-24563-A-3	OC-SB-427-17/19-XXX		T	1.50 g	100 mL		
360-24563-A-7	OC-SB-428-23/25-XXX		T	1.92 g	100 mL		
360-24686-A-8	OC-SB-473-13/15-XXX	3050B, 6010B	T	1.71 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:	436954
Hydrogen peroxide lot number:	415984
Oven, Bath or Block Temperature 1:	95 Degrees C

Shipping and Receiving Documents

Friday Pick-up 9-18-09

TAL-Soil

360 24686

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:____

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO — Shaded Areas for office use only

Company Name: Olin Corp

Company Contact: ERG Accounts Payable

Address: Same as Client

Phone: Email

Job # _____ Quote # _____

Lab SDG # _____ PO # _____

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)* (ME V)	SVOA and TICs (8270C) (G)	NDMA (Modified 8270C) (G)	Diphenylamine (8270C)** (G)	EPH (MADEP-EPH-04-1.1) (G)	VPH (MADEP-VPH-04-1.1) (ME V)	TAL Metals (6010B ~~/ 7471A~~ TC) (G)	PCBs (8082) (G)	Anions (EPA 300)*** (G)	Amonnia (LACHAT) (G)	TOC (Lloyd Kahn) (G)	Phathalic Anhydride (Mod 8000 HPLC) (G)	Formaldehyde/Acetaldehyde (SW-846 8315A)* (G)	Phthalic Anhydride (acid) (Method 8000 - LC)* (G)	Comments (Special Instructions)
																					<--Preservative Type (4)
																					<--Bottle Type (5)
OC-SB-400-17/19-XXX	9/18/2009 11:00:00	T	FS	SO	G	3		X			X	X	X		X	X					Category 3, Cancel Mercury Analysis
OC-SB-435-0.0/1.0-XXX	9/17/2009 2:45:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X			X	X	Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida ** = Using Method 3620B

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida *** = Sulfate, Chloride

Relinquished: [signature] Date: 9/18/09 Time: 1440 Received: [signature] Date: 9/18/09 Time: 1440

Relinquished: [signature] Date: 9/18/09 Time: 1700 Received: [signature] Date: 9/18/2009 Time: 1700

Cooler ? Y / N	MADEP Requirement
	Samples Iced Y / N
Temp @ receipt: 3.6c Deg C	
Preservation / pH checked? Y / N	
By: KM	Date: 9/18/09

TAL-Soil

360-24686

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)* (ME V)	SVOA and TICs (8270C) (- G)	NDMA (Modified 8270C) (- G)	Diphenylamine (8270C)** (- G)	EPH (MADEP-EPH-04-1.1) (- G)	VPH (MADEP-VPH-04-1.1) (ME V)	TAL Metals (6010B / 7471A) (- G)	PCBs (8082) (- G)	Anions (EPA 300)*** (- G)	Amonnia (LACHAT) (- G)	TOC (Lloyd Kahn) (- G)	Phathalic Anhydride (Mod 8000 HPLC) (- G)	-	-	-	-	-	-	Formaldehyde/Acetaldehyde (SW-846 8315A)* (- G)	Phthalic Anhydride (acid) (Method 8000 - LC)* (- G)	-	-	<--Preservative Type (4) <--Bottle Type (5) Comments (Special Instructions)
OC-SB-435-11/15-XXX	9/17/2009 2:00:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-435-6.0/10-XXX	9/17/2009 1:35:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-453-0.0/1.0-XXX	9/17/2009 4:25:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-453-1.0/6.0-XXX	9/17/2009 4:00:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-473-0.0/1.0-XXX	9/18/2009 9:40:00 AM	T	FS	SO	G	9	X	X	X	X			X		X	X	X								X	X			Category 1
OC-SB-473-13/15-XXX	9/18/2009 9:20:00 AM	T	FS	SO	G	9	X	X	X	X			X		X	X	X								X	X			Category 3
OC-SB-473-4.0/6.0-XXX	9/18/2009 9:05:00 AM	T	FS	SO	G	9	X	X	X	X			X		X	X	X								X	X			Category 2
OC-SS-453-0.0/1.0-XXX	9/17/2009 5:40:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida ** = Using Method 3620B

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida *** = Sulfate, Chloride

Relinquished: [signature] Date: 09/18/09 Time: 1440 Received: [signature] Date: 9/18/09 Time: 1440

Relinquished: [signature] Date: 9/18/09 Time: 1700 Received: [signature] Date: 9/18/2009 Time: @1700

Cooler? Y N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt: 5.6°C Deg C	
Preservation / pH checked? Y / N	
By: [signature]	Date: 9/18/09

TAL-Soil

360-24686 Page 3 of 9

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-SS-457-0.0/1.0-XXX	9/17/2009 5:55:00 PM	T	FS	SO	G	9	X	X	X	X			X		X	X	X								X	X			Category 1
OC-TBK-022	9/18/2009 12:45:00	T	TB	SO	G	4	X					X																	Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida ** = Using Method 3620B

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida *** = Sulfate, Chloride

Relinquished: [signature] Date: 09/18/09 Time: 1440 Received: [signature] Date: 9 18 09 Time: 1440

Relinquished: [signature] Date: 9 18 09 Time: 700 Received: [signature] Date: 9/18/2009 Time: @1700

Cooler ? Y / N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt: 5.6°C Deg C	
Preservation / pH checked? Y / N	
By: [signature]	Date: 9/18/09

TAL-Soil 36024686 Page 4 of 9

Client: Olin Corporation	Client Project #: 6107090016	INVOICE INFO	Shaded Areas for office use only
Address: 3855 North Ocoee St. Suite 200	Work Site ID: Wilmington, MA	Company Name: Olin Corp	
Cleveland, TN 37312	Reports Sent To: Steve Morrow	Company Contact: ERG Accounts Payable	
Phone: 423-336-4511 Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:____	Address: Same as Client	
Requested Turnaround Time (SPECIFY)	Regulatory Programs: MADEP MCP____ Superfund ____	Phone: Email	
Standard_____ Rush_____ (Lab Approval Required)	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)* (ME V)	SVOA and TICs (8270C) (G)	NDMA (Modified 8270C) (G)	Diphenylamine (8270C)** (G)	EPH (MADEP-EPH-04-1.1) (G)	VPH (MADEP-VPH-04-1.1) (ME V)	TAL Metals (6010B / 7471A) (G)	PCBs (8082) (G)	Anions (EPA 300)*** (G)	Amonnia (LACHAT) (G)	TOC (Lloyd Kahn) (G)	Phathalic Anhydride (Mod 8000 HPLC) (G)							Formaldehyde/Acetaldehyde (SW-846 8315A)* (G)	Phthalic Anhydride (acid) (Method 8000 - LC)* (G)			<--Preservative Type (4) <--Bottle Type (5) Comments (Special Instructions)
OC-SS-456-0.0/1.0-XXX	9/18/2009 1:20:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SS-458-0.0/1.0-XXX	9/18/2009 1:55:00 PM	T	FS	SO	G	4	X	X					X		X	X													Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida ** = Using Method 3620B

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida *** = Sulfate, Chloride

Relinquished: [signature]	Date: 9/18/09	Time: 1440	Received: [signature]	Date: 9/18/09	Time: 1440	Cooler ? Y/ N	MADEP Requirement Samples Iced? Y/ N
Relinquished: [signature]	Date: 9/18/09	Time: 1700	Received: [signature]	Date: 9/18/2009	Time: @1700	Temp @ receipt: 5.6°C Deg C	Preservation / pH checked? Y/ N
						By: [signature]	Date: 9/18/09

TAL-Soil

360 24686

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 (3035A/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-SS-459-0.0/1.0-XXX	9/18/2009 1:45:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SS-461-0.0/1.0-XXX	9/18/2009 1:30:00 PM	T	FS	SO	G	4	X	X					X		X	X													Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida ** = Using Method 3620B

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida *** = Sulfate, Chloride

Relinquished: [signature] Date: 09/18/09 Time: 1440 Received: [signature] Date: 9/18/09 Time: 1440

Relinquished: [signature] Date: 9/18/09 Time: 1700 Received: [signature] Date: 9/18/2009 Time: @ 1700

Cooler? Y / N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt: 5.6°C Deg C	
Preservation / pH checked? Y / N	
By: [signature]	Date: 9/18/09

Cr+6 Soil TAL- Edison NJ 360 24686 Page 6 of 9

Client: Olin Corporation	Client Project #: 6107090016	INVOICE INFO	Shaded Areas for office use only
Address: 3855 North Ocoee St. Suite 200	Work Site ID: Wilmington, MA	Company Name: Olin Corp	
Cleveland, TN 37312	Reports Sent To: Steve Morrow	Company Contact: ERG Accounts Payable	
Phone: 423-336-4511 Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:____	Address: Same as Client	
Requested Turnaround Time (SPECIFY)	Regulatory Programs: MADEP MCP____ Superfund ____	Phone: Email	
Standard_____ Rush_____ (Lab Approval Required)	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	Cr+6 (3060A / 7199)	Cr+6 (7199)	DMF (Mod 8033 - GC/NPD)	DMF (Mod 8033 - GC/NPD)	Opex / Kempore (8000B - HPLC)	Perchlorate (6850)												Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)			Comments (Special Instructions)
							G	P	G	V	V	V												AG	AV			<--Preservative Type (4)
																									Zn			<--Bottle Type (5)
OC-SB-473-0.0/1.0-XXX	9/18/2009 9:40:00 AM	T	FS	SO	G	1	X																					Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass, AV = 40mL VOA Amber Glass Vial,

Relinquished: [signature]	Date: 9/18/09	Time: 1440	Received: [signature]	Date: 9/18/09	Time: 1440	Cooler (Y) N	MADEP Requirement
Relinquished: [signature]	Date: 9/18/09	Time: 1700	Received: [signature]	Date: 9/18/2009	Time: 1700	Samples Iced? (Y) / N	
						Temp @ receipt: 5.6°C Deg C	
						Preservation / pH checked? Y / (N)	
						By: [signature] Date: 9/18/09	

Cr+6 Soil TAL-Edison NJ

360 24686 Page 7 of

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	Cr+6 (3060A / 7199)	Cr+6 (7199)	DMF (Mod 8033 - GC/NPD)	DMF (Mod 8033 - GC/NPD)	Opex / Kempore (8000B - HPLC)	Perchlorate (6850)													Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)	Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)			Comments (Special Instructions)
							- G	- P	- G	- V	- V	- V	-	-	-	-	-	-	-	-	-	-	-	-	- AG	Zn - AV	-	-	<--Preservative Type (4) <--Bottle Type (5)
OC-SB-473-13/15-XXX	9/18/2009 9:20:00 AM	T	FS	SO	G	1	X																						Category 3
OC-SB-473-4.0/6.0-XXX	9/18/2009 9:05:00 AM	T	FS	SO	G	1	X																						Category 2

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass, AV = 40mL VOA Amber Glass Vial,

Relinquished: [signature] Date: 9/18/09 Time: 1440 Received: [signature] Date: 9 18 09 Time: 1440

Relinquished: [signature] Date: 9/18/09 Time: 700 Received: [signature] Date: 9/18/2009 Time: @1700

Cooler (Y) / N	MADEP Requirement
	Samples Iced (Y) / N
Temp @ receipt: 5.6°C Deg C	
Preservation / pH checked? Y / (N)	
By: [signature]	Date: 9/18/09

1HL ~ Water

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:___

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO — Shaded Areas for office use only

Company Name: Olin Corp

Company Contact: ERG Accounts Payable

Address: Same as Client

Phone: Email

360 24686

Job # _____ Quote # _____

Lab SDG # _____ PO # _____

Page 8 of 9

10/30/2009

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (8260B) HA V	SVOA and TICs (8270C) - AG	NDMA/NDPA (WS-MS-0012)* - AG	Diphenylamine (8270C)** - AG	Pesticides (8081) - AG	PCBs (8082) - AG	EPH (MADEP-EPH-04-1.1) HA AG	VPH (MADEP-VPH-04-1.1) HA V	TAL Metals (6010B/7470A) NI P	Anions (EPA 300)*** - P	Amonnia (LACHAT) SA P	Alkalinity (SM 2320B) - P	Hardness (SM 2340B) NI P	pH (SM 4500) - P	Conductivity (SM 2510B) - P	TDS (SM 2540C) - P	TSS (SM 2540D) - P	TOC (Lloyd Kahn) SA AG	COD (EPA 410.4) SA P	Formaldehyde/Acetaldehyde (SW-846 8315A)* - AG	Phthalic Anhydride (acid) (Mod 8000 - HPLC)* - V	Alkylphenols (WS-MS-0010)* SA AG	Herbicides (8151A) - AG	Comments (Special Instructions)
																										<--Preservative Type (4)				
																										<--Bottle Type (5)				
OC-EBK-012	9/17/2009 5:15:00 PM	T	EB	BW	G	15	X	X	X	X					X	X	X									X	X			Category 1

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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

Relinquished: [signature] Date: 9/18/09 Time: 1440 Received: [signature] Date: 9/18/09 Time: 1440

Relinquished: [signature] Date: 9/18/09 Time: 1700 Received: [signature] Date: 9/18/2009 Time: @1700

Cooler? Y / N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt: 5.6°c Deg C	
Preservation / pH checked? Y / N	
By: [signature]	Date: 9/18/09

Olin Wilmington OU1 Soil Sampling Categories

There will be three categories of samples submitted to the laboratories during the soil sampling program based primarily on the depth of soil locations. These categories will be indentified in notes provided with the chain of custody submitted with samples. The following categories are included:

Category 1

Soil boring samples 0'-1': request that all samples are analyzed and reported in the normal project turnaround time (TAT).

Category 2

Soil boring samples from the 1'-10' interval: All samples are analyzed. Rush TAT is requested on a subset of analyses as indicated below:

VOCs: rush 7-day TAT
SVOCs: NDMA, and phthalic anhydride: normal 30-day TAT
DMF: normal 21-day TAT
Hydrazine: rush 7 day TAT
Metals: normal 30-day TAT (except mercury)
Mercury: 10 day TAT
Hexavalent Chromium: 10 day TAT
Formaldehyde/acetaldehyde: normal TAT
Anions: normal TAT
Ammonia: normal TAT

Category 3

Soil boring samples from >10 ft: Sample are held with analysis pending. For a subset of analyses the samples will be extracted and held by the lab pending instructions from MACTEC-Olin.

VOCs: hold pending results of Category 2
SVOCs: extract and hold pending results of Category 2
NDMA: extract and hold pending results of Category 2
DMF: extract and hold pending results of Category 2
Hydrazine: hold pending results of Category 2
Metals: hold pending results of Category 2
Mercury: hold pending results of Category 2
Hexavalent Chromium: hold pending results of Category 2
Phthalic anhydride: extract and hold pending results of Category 2
Formaldehyde/acetaldehyde: run normal TAT
Anions: run normal TAT
Ammonia: run normal TAT

For rush TAT samples the laboratory will provide preliminary results with a narrative and sample results summary report. The lab will also provide data on a preliminary data EDD. Final result and supporting data packages will be provided in the normal TAT for the project.

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
360-24686	OC-SB-400-17/19-XXX	(360-24686-1)	09/18/09	Category 3	SVOC[1]	Analyze SVOC Sample as Previously Requested on COC
360-24686	OC-SB-473-13/15-XXX	(360-24686-8)	09/18/09	Category 3	SVOC[2]	Analyze SVOC Sample as Previously Requested on COC; however, please do not analyze for Diphenylamine
360-24686	OC-SB-473-13/15-XXX	(360-24686-8)	09/18/09	Category 3	NDMA	Cancel Previously Requested NDMA Analysis on COC
360-24686	OC-SB-473-13/15-XXX	(360-24686-8)	09/18/09	Category 3	Phthalic Anhydrides	Cancel Previously Requested Phthalic Anhydride Analysis on COC

SVOC[1] - Olin Compound List
SVOC[2] - Olin Compound List with Diphenylamine

Tige Cunningham

Tige Cunningham
Sample Manager
MACTEC Engineering & Consulting, Inc.

10-26-09
Date

P:\6107090016 - Olin Wilmington CSS 2009\3.0 Field and Site Characterization\3.6 Databases\Prelim EDDs\
OCRI-18.xls, SVOCs Pending Samples -

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-24686-2
SDG Number: OCRI-18A

Login Number: 24686
List Source: TestAmerica Westfield
Creator: Rinard, Kimberley A
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	5.6 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	

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
360-24686	OC-SB-473-13/15-XXX	(360-24686-8)	09/18/09	Category 3	Metals	Analyze Metals Sample as Previously Requested on COC
360-24686	OC-SB-473-13/15-XXX	(360-24686-8)	09/18/09	Category 3	Mercury	Cancel Previously Requested Mercury Analysis on COC

Tige Cunningham

Sample Manager
MACTEC Engineering & Consulting, Inc.

10-2-09
Date

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OCRI-18.xls, Metals Pending Samples