TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

FILE COPY

ANALYTICAL REPORT

CHECKED FOR COMPLETENESS OF PARAMETERS ORDERED BY: 4-5-10

Job Number: 360-24417-1

SDG Number: OCRI-10

Job Description: Olin Chemical Superfund Site

For:
Olin Corporation
3855 North Ocoee Street
Suite 200
Cleveland, TN 37312-4441

Attention: Mr. Steven Morrow

Approved for release.
Chris F Reynolds
QA Manager
9/30/2009 4:17 PM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
09/30/2009

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

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

ACCREDITED IN ACCORDANCE WITH nelac

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MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24417-1**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24417-(1,3,4, 6-11, 13-15, 17)

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

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

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

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

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

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

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

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

Signature: **Position:** Technical Manager

Printed Name: James Wickham **Date:** 9/30/09 11:11

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

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MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24417-1**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24417-(1,3,4,6,7, 9-11, 13-15)

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

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3 S - SW-846 Methods 7000 Series List individual method and analyte.

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

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes √		No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes √		No[1]
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D	**VPH and EPH methods only:** Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)?	Yes	N/A √	No[1]

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

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

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Printed Name: James Wickham **Date:** 9/30/09 11:11

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Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24417-(1,3,4,6,7, 9-11, 13-15)

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

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

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

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

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

Signature: **Position:** Technical Manager

Printed Name: James Wickham **Date:** 9/30/09 11:11

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MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24417-1**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24417-(1,3,4,6,7, 9-11, 13-15)

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

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B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes √		No[1]
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D	**VPH and EPH methods only:** Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)?	Yes	N/A √	No[1]

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

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

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Signature: **Position:** Technical Manager

Printed Name: James Wickham **Date:** 9/30/09 11:11

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MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	**TestAmerica Westfield**	Project #:	**360-24417-1**
Project Location:	**Wilmington, MA**	MADEP RTN[1]:	

This form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]
360-24417-(1-16)

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

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

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

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

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

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

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

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

Signature: **Position:** Technical Manager

Printed Name: James Wickham **Date:** 9/30/09 11:11

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

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WI-QA-037

CASE NARRATIVE

Client: Olin Corporation

Project: Olin Chemical Superfund Site

Report Number: 360-24417-1

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 09/02/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.2 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 360-24417-1, 360-24417-3, 360-24417-4, 360-24417-6 through 360-24417-11, 360-24417-13 through 360-24417-15 and 360-24417-17 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 09/08/2009, 09/09/2009, 09/12/2009 and 09/15/2009 and analyzed on 09/09/2009, 09/12/2009 and 09/15/2009.

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

Methylene Chloride was detected in method blank MB 360-48765/3-A (samples 360-24417-10, 10MS/MSD) 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.

Dichlorodifluoromethane failed the recovery criteria low for LCS/LCSD 360-48710/1-A.

Dichlorodifluoromethane failed the recovery criteria low for LCS/LCSD 360-48765/1-A.

Dichlorodifluoromethane failed the recovery criteria low for LCS/LCSD 360-48877/1-A. Dichlorodifluoromethane failed the recovery criteria low for LCS/LCSD 360-48975/1-A.

Dichlorodifluoromethane failed the recovery criteria low for the MS/MSD of sample 360-24417-10 in batch 360-48767.

1,2,3-Trichlorobenzene, Dichlorodifluoromethane, Hexachlorobutadiene and n-Butylbenzene failed the recovery criteria low for the MS of sample 360-24563-5 in batch 360-48976.1,2,3-Trichlorobenzene, Dichlorodifluoromethane and Hexachlorobutadiene failed the recovery criteria low for the MSD of sample 360-24563-5 in batch 360-49040.

General method information:

Naphthalene was detected in method blank MB 360-48710/3-A (samples 360-24417- 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 360-24417(3,6,9,13,15), B48711, the curve uses quadratic regressions for 1,4-Dioxane.

For samples 360-24417(10), B48767 the curve uses quadratic regressions for 1,4-Dioxane.

For samples 360-24417(1,4,7,11,14,17), B48878 the curve uses quadratic regressions for 1,4-Dioxane.

For sample 360-24417(8), B48976 the curve uses quadratic regressions for 1,4-Dioxane.

Samples 360-24417-(3,9, and 15) had a ratio of methanol to soil above the method standard.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 360-24417-1, 360-24417-3, 360-24417-4, 360-24417-6, 360-24417-7, 360-24417-9 through 360-24417-11 and 360-24417-13 through 360-24417-15 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 09/11/2009 and 09/14/2009 and analyzed on 09/21/2009, 09/22/2009, 09/24/2009 and 09/29/2009.

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

Benzoic acid was detected in method blank MB 360-48854/1-A (samples 360-24417-1,3,4,6,11,11DL2,11DL3) 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.

Di-n-butyl phthalate was detected in method blank MB 360-48924/1-A (samples 360-24417-7,9,10,10MS,10MSD,13,14,15) 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.

Aniline failed the recovery criteria low for LCS/LCSD 360-48854/2-A (samples 360-24417-1,3,4,6,11,11DL2,11DL3) .

Aniline failed the recovery criteria low for LCS/LCSD 360-48924/2-A (samples 360-24417-7,9,10,10MS,10MSD,13,14,15).

2,4-Dinitrophenol, Aniline, Benzoic acid and Hexachlorocyclopentadiene failed the recovery criteria low for the MS of sample 360-24417-10 in batch 360-49260. Several analytes failed the recovery criteria high. Several analytes failed the recovery criteria low for the MSD of sample 360-24417-10 in batch 360-48767. Several analytes exceeded the rpd limit.

General method information:

Bis(2-ethylhexyl) phthalate was detected in method blank MB 360-48924/1-A (samples 360-24417-7,9,10,10MS,10MSD,13,14,15) 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 360-24417-1,3,4,6 batch 49266. ICAL 9/21/2009 Inst B: quadratic regression used for 1,2,4-Trichlorobenzene, and 2,4-Dinitrophenol.

For samples 360-24417-7,9,10,10MS/MSD,13,15 batch 49260. ICAL 9/21/2009 Inst B: Quadratic regression used for Benzoic acid (r2 0.989 = r 0.995), and 2,4-Dinitrophenol.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) N-Nitrosodimethylamine

Samples 360-24417-4, 360-24417-6, 360-24417-7, 360-24417-9 through 360-24417-11 and 360-24417-13 through 360-24417-15 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 09/10/2009 and 09/15/2009 and analyzed on 09/12/2009 and 09/24/2009.

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

For samples 360-24417-10, 10MS/MSD,13,14,15 batch 49397, DDT breakdown in the DFTPP Tune was more than 20%. NDMA is not biased by this.

General method information:

Samples 24417-11, processed under method 3620C for the fractionation of DPA and NDPA. Batch 49693 reports the calculated difference from the original NDPA results (secondary) and the fractionated DPA data.

No difficulties were encountered during the semivolatiles analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS
Samples 360-24417-1, 360-24417-3, 360-24417-4, 360-24417-6, 360-24417-7, 360-24417-9 through 360-24417-11 and 360-24417-13 through 360-24417-15 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 09/04/2009.

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

Antimony failed the recovery criteria low for the MS of sample 360-24417-10 in batch 360-49260. Iron failed the recovery criteria high.

General method information:
Several analytes were detected in method blank MB 360-48596/1-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 analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples 360-24417-1, 360-24417-3, 360-24417-4, 360-24417-6, 360-24417-7, 360-24417-9 through 360-24417-11 and 360-24417-13 through 360-24417-15 were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 09/08/2009 and analyzed on 09/09/2009.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

ANIONS
Samples 360-24417-1 through 360-24417-16 were analyzed for anions in accordance with EPA Method 300.0. The samples were leached on 09/14/2009 and analyzed on 09/14/2009.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

FORMALDEHYDE
Samples 360-24417-4 through 360-24417-16 were analyzed for formaldehyde in accordance with EPA SW-846 Method 8315A. The samples were prepared and analyzed on 09/04/2009.

No difficulties were encountered during the formaldehyde analyses.

All quality control parameters were within the acceptance limits.

AMMONIA
Samples 360-24417-1 through 360-24417-16 were analyzed for ammonia in accordance with LACHAT 107-06-1B. The samples were prepared on 09/14/2009 and 09/15/2009 and analyzed on 09/15/2009 and 09/16/2009.

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

Ammonia failed the recovery criteria low for the MS/MSD of sample 360-24417-10 in batch 360-49040.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

MALEIC AND PHTHALIC ACID (DAI/HPLC)
Samples 360-24417-4, 360-24417-6, 360-24417-7, 360-24417-9 through 360-24417-11 and 360-24417-13 through 360-24417-15 were analyzed for Maleic and Phthalic Acid (DAI/HPLC) in accordance with TAL LC65. The samples were prepared on 09/08/2009 and analyzed on 09/09/2009.

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

Phthalic Acid/Phthalic anhydride failed the recovery criteria low for the MS/MSD of sample 360-24417-10 in batch 640-60681. The associated laboratory control sample (LCS) recovery met acceptance criteria.
The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

No other difficulties were encountered during the DAI/HPLC analyses.

All other quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON
Samples 360-24417-7 through 360-24417-10 were analyzed for total organic carbon in accordance with Lloyd Kahn Method. The samples were analyzed on 09/08/2009.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS
Samples 360-24417-1 through 360-24417-16 were analyzed for percent solids in accordance with EPA Method 160.3 Modified. The samples were analyzed on 09/03/2009.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-24417-1	OC-SB-463-0.0/1.0-XXX	Solid	09/01/2009 1300	09/02/2009 1710
360-24417-2	OC-SB-463-28/30-XXX	Solid	09/01/2009 1450	09/02/2009 1710
360-24417-3	OC-SB-463-6.0/8.0-XXX	Solid	09/01/2009 1310	09/02/2009 1710
360-24417-4	OC-SB-464-0.0/1.0-XXX	Solid	09/01/2009 1550	09/02/2009 1710
360-24417-5	OC-SB-464-26/28-XXX	Solid	09/01/2009 1650	09/02/2009 1710
360-24417-6	OC-SB-464-5.0/7.0-XXX	Solid	09/01/2009 1650	09/02/2009 1710
360-24417-7	OC-SB-465-0.0/1.0-XXX	Solid	09/02/2009 0735	09/02/2009 1710
360-24417-8	OC-SB-465-16/18-XXX	Solid	09/02/2009 0825	09/02/2009 1710
360-24417-9	OC-SB-465-8.0/10-DUP	Solid	09/02/2009 0745	09/02/2009 1710
360-24417-10	OC-SB-465-8.0/10-XXX	Solid	09/02/2009 0745	09/02/2009 1710
360-24417-10MS	OC-SB-465-8.0/10-XMS	Solid	09/02/2009 0745	09/02/2009 1710
360-24417-10MSD	OC-SB-465-8.0/10-MSD	Solid	09/02/2009 0745	09/02/2009 1710
360-24417-11	OC-SB-468-0.0/1.0-XXX	Solid	09/02/2009 1005	09/02/2009 1710
360-24417-12	OC-SB-468-31/33-XXX	Solid	09/02/2009 1100	09/02/2009 1710
360-24417-13	OC-SB-468-8.0/10-XXX	Solid	09/02/2009 1010	09/02/2009 1710
360-24417-14	OC-SB-471-0.0/1.0-XXX	Solid	09/02/2009 1315	09/02/2009 1710
360-24417-15	OC-SB-471-3.0/5.0-XXX	Solid	09/02/2009 1330	09/02/2009 1710
360-24417-16	OC-SB-471-26/28-XXX	Solid	09/02/2009 1430	09/02/2009 1710
360-24417-17	OC-TBK-012	Solid	09/02/2009 1450	09/02/2009 1710

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24417-1	**OC-SB-463-0.0/1.0-XXX**					
Tetrahydrofuran		6.4	J	24	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		50		34	ug/Kg	8270C LL
Aluminum		5000		3.4	mg/Kg	6010B
Arsenic		6.8		1.3	mg/Kg	6010B
Barium		11	B	0.67	mg/Kg	6010B
Beryllium		0.18	J	0.27	mg/Kg	6010B
Cadmium		0.11	J	0.27	mg/Kg	6010B
Calcium		600	B	13	mg/Kg	6010B
Chromium		14		0.67	mg/Kg	6010B
Cobalt		2.9		0.67	mg/Kg	6010B
Copper		4.1		1.3	mg/Kg	6010B
Iron		7000	B	6.7	mg/Kg	6010B
Lead		2.4		0.67	mg/Kg	6010B
Magnesium		1000	B	13	mg/Kg	6010B
Manganese		54		1.3	mg/Kg	6010B
Nickel		5.0		1.3	mg/Kg	6010B
Potassium		660		270	mg/Kg	6010B
Silver		0.13	J	0.67	mg/Kg	6010B
Sodium		22	J	130	mg/Kg	6010B
Vanadium		7.6		1.3	mg/Kg	6010B
Zinc		11		3.4	mg/Kg	6010B
Tin		5.0	J B ^	6.7	mg/Kg	6010B
Ammonia		11		6.4	mg/Kg	L107-06-1B
Percent Moisture		3.8		1.0	%	Moisture
Percent Solids		96		1.0	%	Moisture
Soluble						
Sulfate-Soluble		54		42	mg/Kg	300.0
360-24417-2	**OC-SB-463-28/30-XXX**					
Ammonia		510		7.8	mg/Kg	L107-06-1B
Percent Moisture		9.2		1.0	%	Moisture
Percent Solids		91		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24417-3	**OC-SB-463-6.0/8.0-XXX**					
Diphenyl oxide		85		39	ug/Kg	8270C LL
Aluminum		4200		3.4	mg/Kg	6010B
Arsenic		3.2		1.3	mg/Kg	6010B
Barium		6.5	B	0.67	mg/Kg	6010B
Beryllium		0.17	J	0.27	mg/Kg	6010B
Cadmium		0.084	J	0.27	mg/Kg	6010B
Calcium		300	B	13	mg/Kg	6010B
Chromium		5.9		0.67	mg/Kg	6010B
Cobalt		2.1		0.67	mg/Kg	6010B
Copper		2.7		1.3	mg/Kg	6010B
Iron		5300	B	6.7	mg/Kg	6010B
Lead		1.4		0.67	mg/Kg	6010B
Magnesium		940	B	13	mg/Kg	6010B
Manganese		33		1.3	mg/Kg	6010B
Nickel		5.1		1.3	mg/Kg	6010B
Potassium		450		270	mg/Kg	6010B
Vanadium		5.8		1.3	mg/Kg	6010B
Zinc		12		3.4	mg/Kg	6010B
Tin		1.9	J B ^	6.7	mg/Kg	6010B
Percent Moisture		16		1.0	%	Moisture
Percent Solids		84		1.0	%	Moisture
Soluble						
Sulfate-Soluble		69		48	mg/Kg	300.0

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24417-4	**OC-SB-464-0.0/1.0-XXX**					
Tetrahydrofuran		10	J	26	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		87		35	ug/Kg	8270C LL
Formaldehyde		270		110	ug/Kg	8315A
Aluminum		5700		3.0	mg/Kg	6010B
Arsenic		3.7		1.2	mg/Kg	6010B
Barium		9.2	B	0.59	mg/Kg	6010B
Beryllium		0.14	J	0.24	mg/Kg	6010B
Cadmium		0.095	J	0.24	mg/Kg	6010B
Calcium		720	B	12	mg/Kg	6010B
Chromium		20		0.59	mg/Kg	6010B
Cobalt		2.0		0.59	mg/Kg	6010B
Copper		3.4		1.2	mg/Kg	6010B
Iron		6900	B	5.9	mg/Kg	6010B
Lead		3.0		0.59	mg/Kg	6010B
Magnesium		1200	B	12	mg/Kg	6010B
Manganese		53		1.2	mg/Kg	6010B
Nickel		7.6		1.2	mg/Kg	6010B
Potassium		960		240	mg/Kg	6010B
Silver		0.17	J	0.59	mg/Kg	6010B
Sodium		31	J	120	mg/Kg	6010B
Vanadium		8.3		1.2	mg/Kg	6010B
Zinc		14		3.0	mg/Kg	6010B
Tin		7.0	B ^	5.9	mg/Kg	6010B
Ammonia		11		7.0	mg/Kg	L107-06-1B
Percent Moisture		5.9		1.0	%	Moisture
Percent Solids		94		1.0	%	Moisture
360-24417-5	**OC-SB-464-26/28-XXX**					
Formaldehyde		500		110	ug/Kg	8315A
Ammonia		120		6.4	mg/Kg	L107-06-1B
Percent Moisture		7.5		1.0	%	Moisture
Percent Solids		93		1.0	%	Moisture
Soluble						
Chloride-Soluble		31		22	mg/Kg	300.0

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24417-6	**OC-SB-464-5.0/7.0-XXX**					
Bis(2-ethylhexyl) phthalate		200		37	ug/Kg	8270C LL
Formaldehyde		280		110	ug/Kg	8315A
Aluminum		2800		3.7	mg/Kg	6010B
Arsenic		3.2		1.5	mg/Kg	6010B
Barium		7.5	B	0.73	mg/Kg	6010B
Beryllium		0.086	J	0.29	mg/Kg	6010B
Cadmium		0.074	J	0.29	mg/Kg	6010B
Calcium		990	B	15	mg/Kg	6010B
Chromium		40		0.73	mg/Kg	6010B
Cobalt		1.2		0.73	mg/Kg	6010B
Copper		3.5		1.5	mg/Kg	6010B
Iron		5200	B	7.3	mg/Kg	6010B
Lead		3.1		0.73	mg/Kg	6010B
Magnesium		780	B	15	mg/Kg	6010B
Manganese		34		1.5	mg/Kg	6010B
Nickel		6.3		1.5	mg/Kg	6010B
Potassium		380		290	mg/Kg	6010B
Silver		0.50	J	0.73	mg/Kg	6010B
Sodium		22	J	150	mg/Kg	6010B
Vanadium		5.7		1.5	mg/Kg	6010B
Zinc		7.0		3.7	mg/Kg	6010B
Tin		16	B ^	7.3	mg/Kg	6010B
Mercury		0.052	J	0.15	mg/Kg	7471A
Ammonia		11		7.1	mg/Kg	L107-06-1B
Percent Moisture		12		1.0	%	Moisture
Percent Solids		88		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24417-7	**OC-SB-465-0.0/1.0-XXX**					
Bis(2-ethylhexyl) phthalate		110	B	35	ug/Kg	8270C LL
Diphenyl oxide		260		35	ug/Kg	8270C LL
Formaldehyde		230		100	ug/Kg	8315A
Aluminum		1500		3.1	mg/Kg	6010B
Arsenic		2.2		1.2	mg/Kg	6010B
Barium		5.9	B	0.62	mg/Kg	6010B
Beryllium		0.053	J	0.25	mg/Kg	6010B
Cadmium		0.099	J	0.25	mg/Kg	6010B
Calcium		530	B	12	mg/Kg	6010B
Chromium		5.9		0.62	mg/Kg	6010B
Cobalt		1.1		0.62	mg/Kg	6010B
Copper		2.5		1.2	mg/Kg	6010B
Iron		3600	B	6.2	mg/Kg	6010B
Lead		1.2		0.62	mg/Kg	6010B
Magnesium		640	B	12	mg/Kg	6010B
Manganese		26		1.2	mg/Kg	6010B
Nickel		3.7		1.2	mg/Kg	6010B
Potassium		460		250	mg/Kg	6010B
Vanadium		4.6		1.2	mg/Kg	6010B
Zinc		8.6		3.1	mg/Kg	6010B
Tin		2.0	J B ^	6.2	mg/Kg	6010B
Mercury		0.074	J	0.13	mg/Kg	7471A
Total Organic Carbon		1100		1000	mg/Kg	Lloyd Kahn
Percent Moisture		5.0		1.0	%	Moisture
Percent Solids		95		1.0	%	Moisture
360-24417-8	**OC-SB-465-16/18-XXX**					
2-Butanone (MEK)		7.9	J	27	ug/Kg	8260B
Tetrahydrofuran		27		27	ug/Kg	8260B
Formaldehyde		250		110	ug/Kg	8315A
Ammonia		79		7.0	mg/Kg	L107-06-1B
Percent Moisture		9.6		1.0	%	Moisture
Percent Solids		90		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24417-9	**OC-SB-465-8.0/10-DUP**					
Bis(2-ethylhexyl) phthalate		48		37	ug/Kg	8270C LL
Formaldehyde		220		110	ug/Kg	8315A
Aluminum		3600		3.3	mg/Kg	6010B
Arsenic		2.4		1.3	mg/Kg	6010B
Barium		5.2	B	0.66	mg/Kg	6010B
Beryllium		0.11	J	0.26	mg/Kg	6010B
Cadmium		0.071	J	0.26	mg/Kg	6010B
Calcium		510	B	13	mg/Kg	6010B
Chromium		6.0		0.66	mg/Kg	6010B
Cobalt		1.6		0.66	mg/Kg	6010B
Copper		2.1		1.3	mg/Kg	6010B
Iron		5000	B	6.6	mg/Kg	6010B
Lead		0.99		0.66	mg/Kg	6010B
Magnesium		900	B	13	mg/Kg	6010B
Manganese		31		1.3	mg/Kg	6010B
Nickel		5.3		1.3	mg/Kg	6010B
Potassium		440		260	mg/Kg	6010B
Sodium		37	J	130	mg/Kg	6010B
Vanadium		5.5		1.3	mg/Kg	6010B
Zinc		7.4		3.3	mg/Kg	6010B
Tin		2.0	J B ^	6.6	mg/Kg	6010B
Ammonia		78		6.8	mg/Kg	L107-06-1B
Percent Moisture		11		1.0	%	Moisture
Percent Solids		89		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24417-10	**OC-SB-465-8.0/10-XXX**					
1,2,4-Trichlorobenzene		1.6	J	2.5	ug/Kg	8260B
Methylene Chloride		5.2	J B	10	ug/Kg	8260B
Tetrahydrofuran		9.3	J	25	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		28	J	38	ug/Kg	8270C LL
Formaldehyde		270		110	ug/Kg	8315A
Aluminum		3800		3.7	mg/Kg	6010B
Antimony		0.46	J	0.74	mg/Kg	6010B
Arsenic		2.5		1.5	mg/Kg	6010B
Barium		5.6	B	0.74	mg/Kg	6010B
Beryllium		0.12	J	0.30	mg/Kg	6010B
Cadmium		0.084	J	0.30	mg/Kg	6010B
Calcium		640	B	15	mg/Kg	6010B
Chromium		6.8		0.74	mg/Kg	6010B
Cobalt		1.7		0.74	mg/Kg	6010B
Copper		2.2		1.5	mg/Kg	6010B
Iron		5700	B	7.4	mg/Kg	6010B
Lead		1.4		0.74	mg/Kg	6010B
Magnesium		950	B	15	mg/Kg	6010B
Manganese		33		1.5	mg/Kg	6010B
Nickel		5.9		1.5	mg/Kg	6010B
Potassium		630		300	mg/Kg	6010B
Sodium		37	J	150	mg/Kg	6010B
Vanadium		6.4		1.5	mg/Kg	6010B
Zinc		7.5		3.7	mg/Kg	6010B
Tin		2.2	J B	7.4	mg/Kg	6010B
Ammonia		75		7.2	mg/Kg	L107-06-1B
Percent Moisture		12		1.0	%	Moisture
Percent Solids		88		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24417-11	**OC-SB-468-0.0/1.0-XXX**					
Acetone		19	J	260	ug/Kg	8260B
Tetrahydrofuran		6.9	J	26	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		86		38	ug/Kg	8270C LL
Diphenylamine		19	J	38	ug/Kg	8270C LL
Pentachlorophenol		32	J	38	ug/Kg	8270C LL
Formaldehyde		290		110	ug/Kg	8315A
Aluminum		8700		3.1	mg/Kg	6010B
Arsenic		5.1		1.2	mg/Kg	6010B
Barium		10	B	0.62	mg/Kg	6010B
Beryllium		0.24	J	0.25	mg/Kg	6010B
Cadmium		0.094	J	0.25	mg/Kg	6010B
Calcium		3100	B	12	mg/Kg	6010B
Chromium		11		0.62	mg/Kg	6010B
Cobalt		1.8		0.62	mg/Kg	6010B
Copper		2.7		1.2	mg/Kg	6010B
Iron		5500	B	6.2	mg/Kg	6010B
Lead		3.9		0.62	mg/Kg	6010B
Magnesium		980	B	12	mg/Kg	6010B
Manganese		48		1.2	mg/Kg	6010B
Nickel		5.2		1.2	mg/Kg	6010B
Potassium		510		250	mg/Kg	6010B
Sodium		53	J	120	mg/Kg	6010B
Vanadium		8.9		1.2	mg/Kg	6010B
Zinc		12		3.1	mg/Kg	6010B
Tin		3.7	J B ^	6.2	mg/Kg	6010B
Ammonia		55		6.8	mg/Kg	L107-06-1B
Percent Moisture		13		1.0	%	Moisture
Percent Solids		87		1.0	%	Moisture
Soluble						
Sulfate-Soluble		79		45	mg/Kg	300.0
360-24417-12	**OC-SB-468-31/33-XXX**					
Formaldehyde		510		110	ug/Kg	8315A
Ammonia		88		5.7	mg/Kg	L107-06-1B
Percent Moisture		7.4		1.0	%	Moisture
Percent Solids		93		1.0	%	Moisture
Soluble						
Sulfate-Soluble		390		43	mg/Kg	300.0

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24417-13	**OC-SB-468-8.0/10-XXX**					
Bis(2-ethylhexyl) phthalate		55		37	ug/Kg	8270C LL
Formaldehyde		280		110	ug/Kg	8315A
Aluminum		3800		2.9	mg/Kg	6010B
Arsenic		1.0	J	1.2	mg/Kg	6010B
Barium		5.7	B	0.59	mg/Kg	6010B
Beryllium		0.088	J	0.24	mg/Kg	6010B
Cadmium		0.047	J	0.24	mg/Kg	6010B
Calcium		630	B	12	mg/Kg	6010B
Chromium		5.6		0.59	mg/Kg	6010B
Cobalt		1.3		0.59	mg/Kg	6010B
Copper		1.2		1.2	mg/Kg	6010B
Iron		3500	B	5.9	mg/Kg	6010B
Lead		1.0		0.59	mg/Kg	6010B
Magnesium		890	B	12	mg/Kg	6010B
Manganese		31		1.2	mg/Kg	6010B
Nickel		4.9		1.2	mg/Kg	6010B
Potassium		510		240	mg/Kg	6010B
Sodium		50	J	120	mg/Kg	6010B
Vanadium		4.9		1.2	mg/Kg	6010B
Zinc		6.4		2.9	mg/Kg	6010B
Tin		1.8	J B ^	5.9	mg/Kg	6010B
Ammonia		92		7.8	mg/Kg	L107-06-1B
Percent Moisture		13		1.0	%	Moisture
Percent Solids		87		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24417-14	**OC-SB-471-0.0/1.0-XXX**					
Benzaldehyde		17	J	35	ug/Kg	8270C LL
Benzoic acid		35	J	180	ug/Kg	8270C LL
Bis(2-ethylhexyl) phthalate		180		35	ug/Kg	8270C LL
Fluoranthene		13	J	35	ug/Kg	8270C LL
Pyrene		11	J	35	ug/Kg	8270C LL
Formaldehyde		210		110	ug/Kg	8315A
Aluminum		6600		3.1	mg/Kg	6010B
Arsenic		5.7		1.2	mg/Kg	6010B
Barium		9.6	B	0.62	mg/Kg	6010B
Beryllium		0.20	J	0.25	mg/Kg	6010B
Cadmium		0.13	J	0.25	mg/Kg	6010B
Calcium		1700	B	12	mg/Kg	6010B
Chromium		14		0.62	mg/Kg	6010B
Cobalt		2.1		0.62	mg/Kg	6010B
Copper		5.6		1.2	mg/Kg	6010B
Iron		7600	B	6.2	mg/Kg	6010B
Lead		5.4		0.62	mg/Kg	6010B
Magnesium		1100	B	12	mg/Kg	6010B
Manganese		43		1.2	mg/Kg	6010B
Nickel		5.5		1.2	mg/Kg	6010B
Potassium		520		250	mg/Kg	6010B
Vanadium		9.6		1.2	mg/Kg	6010B
Zinc		21		3.1	mg/Kg	6010B
Tin		5.0	J B ^	6.2	mg/Kg	6010B
Mercury		0.028	J	0.15	mg/Kg	7471A
Percent Moisture		8.3		1.0	%	Moisture
Percent Solids		92		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-24417-15	**OC-SB-471-3.0/5.0-XXX**					
Bis(2-ethylhexyl) phthalate		290		41	ug/Kg	8270C LL
Formaldehyde		180		120	ug/Kg	8315A
Aluminum		9500		3.8	mg/Kg	6010B
Arsenic		4.3		1.5	mg/Kg	6010B
Barium		5.8	B	0.75	mg/Kg	6010B
Beryllium		0.20	J	0.30	mg/Kg	6010B
Cadmium		0.14	J	0.30	mg/Kg	6010B
Calcium		480	B	15	mg/Kg	6010B
Chromium		7.9		0.75	mg/Kg	6010B
Cobalt		1.6		0.75	mg/Kg	6010B
Copper		1.6		1.5	mg/Kg	6010B
Iron		7000	B	7.5	mg/Kg	6010B
Lead		2.7		0.75	mg/Kg	6010B
Magnesium		800	B	15	mg/Kg	6010B
Manganese		27		1.5	mg/Kg	6010B
Nickel		4.4		1.5	mg/Kg	6010B
Potassium		330		300	mg/Kg	6010B
Silver		0.081	J	0.75	mg/Kg	6010B
Vanadium		9.2		1.5	mg/Kg	6010B
Zinc		16		3.8	mg/Kg	6010B
Tin		2.5	J B ^	7.5	mg/Kg	6010B
Mercury		0.048	J	0.17	mg/Kg	7471A
Percent Moisture		19		1.0	%	Moisture
Percent Solids		81		1.0	%	Moisture
360-24417-16	**OC-SB-471-26/28-XXX**					
Formaldehyde		640		110	ug/Kg	8315A
Ammonia		100		6.0	mg/Kg	L107-06-1B
Percent Moisture		8.0		1.0	%	Moisture
Percent Solids		92		1.0	%	Moisture
Soluble						
Sulfate-Soluble		63		43	mg/Kg	300.0
360-24417-17	**OC-TBK-012**					
Tetrahydrofuran		6.2	J	25	ug/Kg	8260B

METHOD SUMMARY

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Closed System Purge and Trap	TAL WFD		SW846 5035
Semivolatile Organic Compounds by GCMS - Low Levels	TAL WFD	SW846 8270C LL	
Ultrasonic Extraction	TAL WFD		SW846 3550B
Microwave Extraction	TAL WFD		SW846 3546
Carbonyl Compounds (HPLC)	TAL TAL	SW846 8315A	
Extraction (Carbonyl Compounds)	TAL TAL		SW846 8315_S_Prep
Maleic and Phthalic Acid (DAI/HLPC)	TAL TAL	TAL-TALL LC65	
Extraction (Maleic and Phthalic Acids)	TAL TAL		TAL-TALL LC65
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Metals	TAL WFD		SW846 3050B
Mercury (CVAA)	TAL WFD	SW846 7471A	
Preparation, Mercury	TAL WFD		SW846 7471A
Anions, Ion Chromatography	TAL WFD	MCAWW 300.0	
Deionized Water Leaching Procedure	TAL WFD		ASTM DI Leach
Nitrogen Ammonia	TAL WFD	LACHAT L107-06-1B	
Distillation, Ammonia	TAL WFD		Distill/Ammonia
Determination of TOC in Sediment by Lloyd Kahn Method (1988)	TAL WFD	NJDEP Lloyd Kahn	
Percent Moisture	TAL WFD	EPA Moisture	

Lab References:

TAL TAL = TestAmerica Tallahassee

TAL WFD = TestAmerica Westfield

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

LACHAT = LACHAT

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

NJDEP = New Jersey Department of Environmental Protection

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-TALL = TestAmerica Laboratories, Tallahassee, Facility Standard Operating Procedure.

METHOD / ANALYST SUMMARY

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method	Analyst	Analyst ID
SW846 8260B	Rouleau, Catherine M	CMR
SW846 8270C LL	Rachtan, Karolina	KR
SW846 8270C LL	Sullivan, Pat J	PJS
SW846 8315A	Driver, Robert	RD
TAL-TALL LC65	Driver, Robert	RD
SW846 6010B	Nasiatka, Ellen M	EMN
SW846 7471A	Smith, Tim J	TJS
MCAWW 300.0	Lalashius, Andrew L	ALL
LACHAT L107-06-1B	Lalashius, Andrew L	ALL
NJDEP Lloyd Kahn	Emerich, Rich W	RWE
EPA Moisture	Burton, Teresa F	TFB

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-463-0.0/1.0-XXX**

Lab Sample ID: 360-24417-1
Client Matrix: Solid
% Moisture: 3.8

Date Sampled: 09/01/2009 1300
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44929.D
Dilution:	1.0			Initial Weight/Volume:	5.32 g
Date Analyzed:	09/12/2009 1542			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.98	2.4
1,1,1-Trichloroethane		ND		0.98	2.4
1,1,2,2-Tetrachloroethane		ND		0.98	2.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.98	12
1,1,2-Trichloroethane		ND		0.98	2.4
1,1-Dichloroethane		ND		0.98	2.4
1,1-Dichloroethene		ND		0.98	2.4
1,1-Dichloropropene		ND		0.98	2.4
1,2,3-Trichlorobenzene		ND		0.98	2.4
1,2,3-Trichloropropane		ND		1.4	2.4
1,2,4-Trichlorobenzene		ND		0.98	2.4
1,2,4-Trimethylbenzene		ND		0.98	2.4
1,2-Dibromo-3-Chloropropane		ND		1.8	24
Ethylene Dibromide		ND		0.98	2.4
1,2-Dichlorobenzene		ND		0.98	2.4
1,2-Dichloroethane		ND		0.98	2.4
Acetone		ND		18	240
1,2-Dichloropropane		ND		0.98	2.4
1,3,5-Trimethylbenzene		ND		0.98	2.4
1,3-Dichlorobenzene		ND		0.98	2.4
1,3-Dichloropropane		ND		0.98	2.4
1,4-Dichlorobenzene		ND		0.98	2.4
1,4-Dioxane		ND		32	240
2,2-Dichloropropane		ND		0.98	2.4
2,4,4-Trimethyl-1-pentene		ND		0.98	4.9
2,4,4-Trimethyl-2-pentene		ND		0.98	4.9
2-Chlorotoluene		ND		0.98	2.4
2-Hexanone		ND		5.0	24
4-Chlorotoluene		ND		0.98	2.4
Benzene		ND		0.98	2.4
Bromobenzene		ND		0.98	2.4
Chlorobromomethane		ND		0.98	2.4
Dichlorobromomethane		ND		0.98	2.4
Bromoform		ND		0.98	2.4
Bromomethane		ND		0.98	4.9
n-Butylbenzene		ND		0.98	2.4
Carbon disulfide		ND		0.98	2.4
Carbon tetrachloride		ND		0.98	2.4
Chlorobenzene		ND		0.98	2.4
Chloroethane		ND		0.98	4.9
Chloroform		ND		0.98	2.4
Chloromethane		ND		0.98	4.9
cis-1,2-Dichloroethene		ND		0.98	2.4
cis-1,3-Dichloropropene		ND		0.98	2.4
Cyclohexane		ND		2.5	24
Chlorodibromomethane		ND		0.98	2.4

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-463-0.0/1.0-XXX**

Lab Sample ID: 360-24417-1
Client Matrix: Solid
% Moisture: 3.8

Date Sampled: 09/01/2009 1300
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44929.D
Dilution:	1.0			Initial Weight/Volume:	5.32 g
Date Analyzed:	09/12/2009 1542			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		0.98	2.4
Dichlorodifluoromethane		ND	*	0.98	4.9
Ethyl ether		ND		0.98	2.4
Isopropyl ether		ND		0.98	2.4
Tert-butyl ethyl ether		ND		2.4	2.4
Ethylbenzene		ND		0.98	2.4
Hexachlorobutadiene		ND		0.98	2.4
Isopropylbenzene		ND		0.98	2.4
Methyl acetate		ND		16	49
2-Butanone (MEK)		ND		6.6	24
4-Methyl-2-pentanone (MIBK)		ND		5.0	24
Methyl tert-butyl ether		ND		0.98	2.4
Methylcyclohexane		ND		0.98	2.4
Methylene Chloride		ND		4.7	9.8
m-Xylene & p-Xylene		ND		0.98	4.9
Naphthalene		ND		0.98	24
N-Propylbenzene		ND		0.98	2.4
o-Xylene		ND		0.98	2.4
4-Isopropyltoluene		ND		0.98	2.4
sec-Butylbenzene		ND		0.98	2.4
Styrene		ND		0.98	2.4
Tert-amyl methyl ether		ND		0.98	2.4
tert-Butylbenzene		ND		0.98	2.4
Tetrachloroethene		ND		0.98	2.4
Tetrahydrofuran		6.4	J	5.4	24
Toluene		ND		0.98	2.4
trans-1,2-Dichloroethene		ND		0.98	2.4
trans-1,3-Dichloropropene		ND		0.98	2.4
Trichloroethene		ND		0.98	2.4
Trichlorofluoromethane		ND		0.98	4.9
Vinyl chloride		ND		0.98	2.4

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	105		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-463-0.0/1.0-XXX**

Lab Sample ID: 360-24417-1
Client Matrix: Solid
% Moisture: 3.8

Date Sampled: 09/01/2009 1300
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44929.D
Dilution:	1.0			Initial Weight/Volume:	5.32 g
Date Analyzed:	09/12/2009 1542			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.04	3.0	T J
92-52-4	Biphenyl	16.11	16	T J N
101-84-8	Diphenyl ether	16.41	37	T J N

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-463-6.0/8.0-XXX**

Lab Sample ID: 360-24417-3
Client Matrix: Solid
% Moisture: 15.9

Date Sampled: 09/01/2009 1310
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44810.D
Dilution:	1.0			Initial Weight/Volume:	6.53 g
Date Analyzed:	09/09/2009 0052			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.91	2.3
1,1,1-Trichloroethane		ND		0.91	2.3
1,1,2,2-Tetrachloroethane		ND		0.91	2.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.91	11
1,1,2-Trichloroethane		ND		0.91	2.3
1,1-Dichloroethane		ND		0.91	2.3
1,1-Dichloroethene		ND		0.91	2.3
1,1-Dichloropropene		ND		0.91	2.3
1,2,3-Trichlorobenzene		ND		0.91	2.3
1,2,3-Trichloropropane		ND		1.3	2.3
1,2,4-Trichlorobenzene		ND		0.91	2.3
1,2,4-Trimethylbenzene		ND		0.91	2.3
1,2-Dibromo-3-Chloropropane		ND		1.6	23
Ethylene Dibromide		ND		0.91	2.3
1,2-Dichlorobenzene		ND		0.91	2.3
1,2-Dichloroethane		ND		0.91	2.3
Acetone		ND		16	230
1,2-Dichloropropane		ND		0.91	2.3
1,3,5-Trimethylbenzene		ND		0.91	2.3
1,3-Dichlorobenzene		ND		0.91	2.3
1,3-Dichloropropane		ND		0.91	2.3
1,4-Dichlorobenzene		ND		0.91	2.3
1,4-Dioxane		ND		30	230
2,2-Dichloropropane		ND		0.91	2.3
2,4,4-Trimethyl-1-pentene		ND		0.91	4.6
2,4,4-Trimethyl-2-pentene		ND		0.91	4.6
2-Chlorotoluene		ND		0.91	2.3
2-Hexanone		ND		4.7	23
4-Chlorotoluene		ND		0.91	2.3
Benzene		ND		0.91	2.3
Bromobenzene		ND		0.91	2.3
Chlorobromomethane		ND		0.91	2.3
Dichlorobromomethane		ND		0.91	2.3
Bromoform		ND		0.91	2.3
Bromomethane		ND		0.91	4.6
n-Butylbenzene		ND		0.91	2.3
Carbon disulfide		ND		0.91	2.3
Carbon tetrachloride		ND		0.91	2.3
Chlorobenzene		ND		0.91	2.3
Chloroethane		ND		0.91	4.6
Chloroform		ND		0.91	2.3
Chloromethane		ND		0.91	4.6
cis-1,2-Dichloroethene		ND		0.91	2.3
cis-1,3-Dichloropropene		ND		0.91	2.3
Cyclohexane		ND		2.3	23
Chlorodibromomethane		ND		0.91	2.3

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-463-6.0/8.0-XXX**

Lab Sample ID: 360-24417-3
Client Matrix: Solid
% Moisture: 15.9

Date Sampled: 09/01/2009 1310
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44810.D
Dilution:	1.0			Initial Weight/Volume:	6.53 g
Date Analyzed:	09/09/2009 0052			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		0.91	2.3
Dichlorodifluoromethane		ND	*	0.91	4.6
Ethyl ether		ND		0.91	2.3
Isopropyl ether		ND		0.91	2.3
Tert-butyl ethyl ether		ND		2.3	2.3
Ethylbenzene		ND		0.91	2.3
Hexachlorobutadiene		ND		0.91	2.3
Isopropylbenzene		ND		0.91	2.3
Methyl acetate		ND		15	46
2-Butanone (MEK)		ND		6.1	23
4-Methyl-2-pentanone (MIBK)		ND		4.7	23
Methyl tert-butyl ether		ND		0.91	2.3
Methylcyclohexane		ND		0.91	2.3
Methylene Chloride		ND		4.4	9.1
m-Xylene & p-Xylene		ND		0.91	4.6
Naphthalene		ND		0.91	23
N-Propylbenzene		ND		0.91	2.3
o-Xylene		ND		0.91	2.3
4-Isopropyltoluene		ND		0.91	2.3
sec-Butylbenzene		ND		0.91	2.3
Styrene		ND		0.91	2.3
Tert-amyl methyl ether		ND		0.91	2.3
tert-Butylbenzene		ND		0.91	2.3
Tetrachloroethene		ND		0.91	2.3
Tetrahydrofuran		ND		5.0	23
Toluene		ND		0.91	2.3
trans-1,2-Dichloroethene		ND		0.91	2.3
trans-1,3-Dichloropropene		ND		0.91	2.3
Trichloroethene		ND		0.91	2.3
Trichlorofluoromethane		ND		0.91	4.6
Vinyl chloride		ND		0.91	2.3

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	105		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-463-6.0/8.0-XXX**

Lab Sample ID: 360-24417-3
Client Matrix: Solid
% Moisture: 15.9

Date Sampled: 09/01/2009 1310
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44810.D
Dilution:	1.0			Initial Weight/Volume:	6.53 g
Date Analyzed:	09/09/2009 0052			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.04	2.5	T J

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-0.0/1.0-XXX**

Lab Sample ID: 360-24417-4
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 09/01/2009 1550
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44930.D
Dilution:	1.0			Initial Weight/Volume:	5.06 g
Date Analyzed:	09/12/2009 1606			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.0	2.6
1,1,1-Trichloroethane		ND		1.0	2.6
1,1,2,2-Tetrachloroethane		ND		1.0	2.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	13
1,1,2-Trichloroethane		ND		1.0	2.6
1,1-Dichloroethane		ND		1.0	2.6
1,1-Dichloroethene		ND		1.0	2.6
1,1-Dichloropropene		ND		1.0	2.6
1,2,3-Trichlorobenzene		ND		1.0	2.6
1,2,3-Trichloropropane		ND		1.5	2.6
1,2,4-Trichlorobenzene		ND		1.0	2.6
1,2,4-Trimethylbenzene		ND		1.0	2.6
1,2-Dibromo-3-Chloropropane		ND		1.9	26
Ethylene Dibromide		ND		1.0	2.6
1,2-Dichlorobenzene		ND		1.0	2.6
1,2-Dichloroethane		ND		1.0	2.6
Acetone		ND		19	260
1,2-Dichloropropane		ND		1.0	2.6
1,3,5-Trimethylbenzene		ND		1.0	2.6
1,3-Dichlorobenzene		ND		1.0	2.6
1,3-Dichloropropane		ND		1.0	2.6
1,4-Dichlorobenzene		ND		1.0	2.6
1,4-Dioxane		ND		35	260
2,2-Dichloropropane		ND		1.0	2.6
2,4,4-Trimethyl-1-pentene		ND		1.0	5.2
2,4,4-Trimethyl-2-pentene		ND		1.0	5.2
2-Chlorotoluene		ND		1.0	2.6
2-Hexanone		ND		5.4	26
4-Chlorotoluene		ND		1.0	2.6
Benzene		ND		1.0	2.6
Bromobenzene		ND		1.0	2.6
Chlorobromomethane		ND		1.0	2.6
Dichlorobromomethane		ND		1.0	2.6
Bromoform		ND		1.0	2.6
Bromomethane		ND		1.0	5.2
n-Butylbenzene		ND		1.0	2.6
Carbon disulfide		ND		1.0	2.6
Carbon tetrachloride		ND		1.0	2.6
Chlorobenzene		ND		1.0	2.6
Chloroethane		ND		1.0	5.2
Chloroform		ND		1.0	2.6
Chloromethane		ND		1.0	5.2
cis-1,2-Dichloroethene		ND		1.0	2.6
cis-1,3-Dichloropropene		ND		1.0	2.6
Cyclohexane		ND		2.7	26
Chlorodibromomethane		ND		1.0	2.6

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-0.0/1.0-XXX**

Lab Sample ID: 360-24417-4
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 09/01/2009 1550
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44930.D
Dilution:	1.0			Initial Weight/Volume:	5.06 g
Date Analyzed:	09/12/2009 1606			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.0	2.6
Dichlorodifluoromethane		ND	*	1.0	5.2
Ethyl ether		ND		1.0	2.6
Isopropyl ether		ND		1.0	2.6
Tert-butyl ethyl ether		ND		2.6	2.6
Ethylbenzene		ND		1.0	2.6
Hexachlorobutadiene		ND		1.0	2.6
Isopropylbenzene		ND		1.0	2.6
Methyl acetate		ND		17	52
2-Butanone (MEK)		ND		7.1	26
4-Methyl-2-pentanone (MIBK)		ND		5.4	26
Methyl tert-butyl ether		ND		1.0	2.6
Methylcyclohexane		ND		1.0	2.6
Methylene Chloride		ND		5.1	10
m-Xylene & p-Xylene		ND		1.0	5.2
Naphthalene		ND		1.0	26
N-Propylbenzene		ND		1.0	2.6
o-Xylene		ND		1.0	2.6
4-Isopropyltoluene		ND		1.0	2.6
sec-Butylbenzene		ND		1.0	2.6
Styrene		ND		1.0	2.6
Tert-amyl methyl ether		ND		1.0	2.6
tert-Butylbenzene		ND		1.0	2.6
Tetrachloroethene		ND		1.0	2.6
Tetrahydrofuran		10	J	5.8	26
Toluene		ND		1.0	2.6
trans-1,2-Dichloroethene		ND		1.0	2.6
trans-1,3-Dichloropropene		ND		1.0	2.6
Trichloroethene		ND		1.0	2.6
Trichlorofluoromethane		ND		1.0	5.2
Vinyl chloride		ND		1.0	2.6

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-0.0/1.0-XXX**

Lab Sample ID: 360-24417-4
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 09/01/2009 1550
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44930.D
Dilution:	1.0			Initial Weight/Volume:	5.06 g
Date Analyzed:	09/12/2009 1606			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	16.41	8.6	T J

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-5.0/7.0-XXX**

Lab Sample ID: 360-24417-6
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44811.D
Dilution:	1.0			Initial Weight/Volume:	6.02 g
Date Analyzed:	09/09/2009 0116			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.95	2.4
1,1,1-Trichloroethane		ND		0.95	2.4
1,1,2,2-Tetrachloroethane		ND		0.95	2.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.95	12
1,1,2-Trichloroethane		ND		0.95	2.4
1,1-Dichloroethane		ND		0.95	2.4
1,1-Dichloroethene		ND		0.95	2.4
1,1-Dichloropropene		ND		0.95	2.4
1,2,3-Trichlorobenzene		ND		0.95	2.4
1,2,3-Trichloropropane		ND		1.4	2.4
1,2,4-Trichlorobenzene		ND		0.95	2.4
1,2,4-Trimethylbenzene		ND		0.95	2.4
1,2-Dibromo-3-Chloropropane		ND		1.7	24
Ethylene Dibromide		ND		0.95	2.4
1,2-Dichlorobenzene		ND		0.95	2.4
1,2-Dichloroethane		ND		0.95	2.4
Acetone		ND		17	240
1,2-Dichloropropane		ND		0.95	2.4
1,3,5-Trimethylbenzene		ND		0.95	2.4
1,3-Dichlorobenzene		ND		0.95	2.4
1,3-Dichloropropane		ND		0.95	2.4
1,4-Dichlorobenzene		ND		0.95	2.4
1,4-Dioxane		ND		31	240
2,2-Dichloropropane		ND		0.95	2.4
2,4,4-Trimethyl-1-pentene		ND		0.95	4.7
2,4,4-Trimethyl-2-pentene		ND		0.95	4.7
2-Chlorotoluene		ND		0.95	2.4
2-Hexanone		ND		4.9	24
4-Chlorotoluene		ND		0.95	2.4
Benzene		ND		0.95	2.4
Bromobenzene		ND		0.95	2.4
Chlorobromomethane		ND		0.95	2.4
Dichlorobromomethane		ND		0.95	2.4
Bromoform		ND		0.95	2.4
Bromomethane		ND		0.95	4.7
n-Butylbenzene		ND		0.95	2.4
Carbon disulfide		ND		0.95	2.4
Carbon tetrachloride		ND		0.95	2.4
Chlorobenzene		ND		0.95	2.4
Chloroethane		ND		0.95	4.7
Chloroform		ND		0.95	2.4
Chloromethane		ND		0.95	4.7
cis-1,2-Dichloroethene		ND		0.95	2.4
cis-1,3-Dichloropropene		ND		0.95	2.4
Cyclohexane		ND		2.4	24
Chlorodibromomethane		ND		0.95	2.4

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-5.0/7.0-XXX**

Lab Sample ID: 360-24417-6
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44811.D
Dilution:	1.0			Initial Weight/Volume:	6.02 g
Date Analyzed:	09/09/2009 0116			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		0.95	2.4
Dichlorodifluoromethane		ND	*	0.95	4.7
Ethyl ether		ND		0.95	2.4
Isopropyl ether		ND		0.95	2.4
Tert-butyl ethyl ether		ND		2.4	2.4
Ethylbenzene		ND		0.95	2.4
Hexachlorobutadiene		ND		0.95	2.4
Isopropylbenzene		ND		0.95	2.4
Methyl acetate		ND		15	47
2-Butanone (MEK)		ND		6.4	24
4-Methyl-2-pentanone (MIBK)		ND		4.9	24
Methyl tert-butyl ether		ND		0.95	2.4
Methylcyclohexane		ND		0.95	2.4
Methylene Chloride		ND		4.6	9.5
m-Xylene & p-Xylene		ND		0.95	4.7
Naphthalene		ND		0.95	24
N-Propylbenzene		ND		0.95	2.4
o-Xylene		ND		0.95	2.4
4-Isopropyltoluene		ND		0.95	2.4
sec-Butylbenzene		ND		0.95	2.4
Styrene		ND		0.95	2.4
Tert-amyl methyl ether		ND		0.95	2.4
tert-Butylbenzene		ND		0.95	2.4
Tetrachloroethene		ND		0.95	2.4
Tetrahydrofuran		ND		5.2	24
Toluene		ND		0.95	2.4
trans-1,2-Dichloroethene		ND		0.95	2.4
trans-1,3-Dichloropropene		ND		0.95	2.4
Trichloroethene		ND		0.95	2.4
Trichlorofluoromethane		ND		0.95	4.7
Vinyl chloride		ND		0.95	2.4

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-5.0/7.0-XXX**

Lab Sample ID: 360-24417-6
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44811.D
Dilution:	1.0			Initial Weight/Volume:	6.02 g
Date Analyzed:	09/09/2009 0116			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.66	2.0	T J

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-0.0/1.0-XXX**

Lab Sample ID: 360-24417-7
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 09/02/2009 0735
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44931.D
Dilution:	1.0			Initial Weight/Volume:	4.86 g
Date Analyzed:	09/12/2009 1630			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.1	2.7
1,1,1-Trichloroethane		ND		1.1	2.7
1,1,2,2-Tetrachloroethane		ND		1.1	2.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	14
1,1,2-Trichloroethane		ND		1.1	2.7
1,1-Dichloroethane		ND		1.1	2.7
1,1-Dichloroethene		ND		1.1	2.7
1,1-Dichloropropene		ND		1.1	2.7
1,2,3-Trichlorobenzene		ND		1.1	2.7
1,2,3-Trichloropropane		ND		1.6	2.7
1,2,4-Trichlorobenzene		ND		1.1	2.7
1,2,4-Trimethylbenzene		ND		1.1	2.7
1,2-Dibromo-3-Chloropropane		ND		1.9	27
Ethylene Dibromide		ND		1.1	2.7
1,2-Dichlorobenzene		ND		1.1	2.7
1,2-Dichloroethane		ND		1.1	2.7
Acetone		ND		19	270
1,2-Dichloropropane		ND		1.1	2.7
1,3,5-Trimethylbenzene		ND		1.1	2.7
1,3-Dichlorobenzene		ND		1.1	2.7
1,3-Dichloropropane		ND		1.1	2.7
1,4-Dichlorobenzene		ND		1.1	2.7
1,4-Dioxane		ND		36	270
2,2-Dichloropropane		ND		1.1	2.7
2,4,4-Trimethyl-1-pentene		ND		1.1	5.4
2,4,4-Trimethyl-2-pentene		ND		1.1	5.4
2-Chlorotoluene		ND		1.1	2.7
2-Hexanone		ND		5.6	27
4-Chlorotoluene		ND		1.1	2.7
Benzene		ND		1.1	2.7
Bromobenzene		ND		1.1	2.7
Chlorobromomethane		ND		1.1	2.7
Dichlorobromomethane		ND		1.1	2.7
Bromoform		ND		1.1	2.7
Bromomethane		ND		1.1	5.4
n-Butylbenzene		ND		1.1	2.7
Carbon disulfide		ND		1.1	2.7
Carbon tetrachloride		ND		1.1	2.7
Chlorobenzene		ND		1.1	2.7
Chloroethane		ND		1.1	5.4
Chloroform		ND		1.1	2.7
Chloromethane		ND		1.1	5.4
cis-1,2-Dichloroethene		ND		1.1	2.7
cis-1,3-Dichloropropene		ND		1.1	2.7
Cyclohexane		ND		2.8	27
Chlorodibromomethane		ND		1.1	2.7

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-0.0/1.0-XXX**

Lab Sample ID: 360-24417-7
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 09/02/2009 0735
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44931.D
Dilution:	1.0			Initial Weight/Volume:	4.86 g
Date Analyzed:	09/12/2009 1630			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.1	2.7
Dichlorodifluoromethane		ND	*	1.1	5.4
Ethyl ether		ND		1.1	2.7
Isopropyl ether		ND		1.1	2.7
Tert-butyl ethyl ether		ND		2.7	2.7
Ethylbenzene		ND		1.1	2.7
Hexachlorobutadiene		ND		1.1	2.7
Isopropylbenzene		ND		1.1	2.7
Methyl acetate		ND		18	54
2-Butanone (MEK)		ND		7.3	27
4-Methyl-2-pentanone (MIBK)		ND		5.6	27
Methyl tert-butyl ether		ND		1.1	2.7
Methylcyclohexane		ND		1.1	2.7
Methylene Chloride		ND		5.2	11
m-Xylene & p-Xylene		ND		1.1	5.4
Naphthalene		ND		1.1	27
N-Propylbenzene		ND		1.1	2.7
o-Xylene		ND		1.1	2.7
4-Isopropyltoluene		ND		1.1	2.7
sec-Butylbenzene		ND		1.1	2.7
Styrene		ND		1.1	2.7
Tert-amyl methyl ether		ND		1.1	2.7
tert-Butylbenzene		ND		1.1	2.7
Tetrachloroethene		ND		1.1	2.7
Tetrahydrofuran		ND		6.0	27
Toluene		ND		1.1	2.7
trans-1,2-Dichloroethene		ND		1.1	2.7
trans-1,3-Dichloropropene		ND		1.1	2.7
Trichloroethene		ND		1.1	2.7
Trichlorofluoromethane		ND		1.1	5.4
Vinyl chloride		ND		1.1	2.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-0.0/1.0-XXX**

Lab Sample ID: 360-24417-7
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 09/02/2009 0735
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44931.D
Dilution:	1.0			Initial Weight/Volume:	4.86 g
Date Analyzed:	09/12/2009 1630			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	16.41	6.1	T J

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-16/18-XXX**

Lab Sample ID: 360-24417-8
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/02/2009 0825
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48976		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48975		Lab File ID:	V45030.D
Dilution:	1.0			Initial Weight/Volume:	5.18 g
Date Analyzed:	09/15/2009 2158			Final Weight/Volume:	5 g
Date Prepared:	09/15/2009 1417				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.1	2.7
1,1,1-Trichloroethane		ND		1.1	2.7
1,1,2,2-Tetrachloroethane		ND		1.1	2.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	13
1,1,2-Trichloroethane		ND		1.1	2.7
1,1-Dichloroethane		ND		1.1	2.7
1,1-Dichloroethene		ND		1.1	2.7
1,1-Dichloropropene		ND		1.1	2.7
1,2,3-Trichlorobenzene		ND		1.1	2.7
1,2,3-Trichloropropane		ND		1.6	2.7
1,2,4-Trichlorobenzene		ND		1.1	2.7
1,2,4-Trimethylbenzene		ND		1.1	2.7
1,2-Dibromo-3-Chloropropane		ND		1.9	27
Ethylene Dibromide		ND		1.1	2.7
1,2-Dichlorobenzene		ND		1.1	2.7
1,2-Dichloroethane		ND		1.1	2.7
Acetone		ND		19	270
1,2-Dichloropropane		ND		1.1	2.7
1,3,5-Trimethylbenzene		ND		1.1	2.7
1,3-Dichlorobenzene		ND		1.1	2.7
1,3-Dichloropropane		ND		1.1	2.7
1,4-Dichlorobenzene		ND		1.1	2.7
1,4-Dioxane		ND		35	270
2,2-Dichloropropane		ND		1.1	2.7
2,4,4-Trimethyl-1-pentene		ND		1.1	5.3
2,4,4-Trimethyl-2-pentene		ND		1.1	5.3
2-Chlorotoluene		ND		1.1	2.7
2-Hexanone		ND		5.5	27
4-Chlorotoluene		ND		1.1	2.7
Benzene		ND		1.1	2.7
Bromobenzene		ND		1.1	2.7
Chlorobromomethane		ND		1.1	2.7
Dichlorobromomethane		ND		1.1	2.7
Bromoform		ND		1.1	2.7
Bromomethane		ND		1.1	5.3
n-Butylbenzene		ND		1.1	2.7
Carbon disulfide		ND		1.1	2.7
Carbon tetrachloride		ND		1.1	2.7
Chlorobenzene		ND		1.1	2.7
Chloroethane		ND		1.1	5.3
Chloroform		ND		1.1	2.7
Chloromethane		ND		1.1	5.3
cis-1,2-Dichloroethene		ND		1.1	2.7
cis-1,3-Dichloropropene		ND		1.1	2.7
Cyclohexane		ND		2.8	27
Chlorodibromomethane		ND		1.1	2.7

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-16/18-XXX**

Lab Sample ID: 360-24417-8
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/02/2009 0825
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48976		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48975		Lab File ID:	V45030.D
Dilution:	1.0			Initial Weight/Volume:	5.18 g
Date Analyzed:	09/15/2009 2158			Final Weight/Volume:	5 g
Date Prepared:	09/15/2009 1417				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.1	2.7
Dichlorodifluoromethane		ND	*	1.1	5.3
Ethyl ether		ND		1.1	2.7
Isopropyl ether		ND		1.1	2.7
Tert-butyl ethyl ether		ND		2.7	2.7
Ethylbenzene		ND		1.1	2.7
Hexachlorobutadiene		ND		1.1	2.7
Isopropylbenzene		ND		1.1	2.7
Methyl acetate		ND		17	53
2-Butanone (MEK)		7.9	J	7.2	27
4-Methyl-2-pentanone (MIBK)		ND		5.5	27
Methyl tert-butyl ether		ND		1.1	2.7
Methylcyclohexane		ND		1.1	2.7
Methylene Chloride		ND		5.2	11
m-Xylene & p-Xylene		ND		1.1	5.3
Naphthalene		ND		1.1	27
N-Propylbenzene		ND		1.1	2.7
o-Xylene		ND		1.1	2.7
4-Isopropyltoluene		ND		1.1	2.7
sec-Butylbenzene		ND		1.1	2.7
Styrene		ND		1.1	2.7
Tert-amyl methyl ether		ND		1.1	2.7
tert-Butylbenzene		ND		1.1	2.7
Tetrachloroethene		ND		1.1	2.7
Tetrahydrofuran		27		5.9	27
Toluene		ND		1.1	2.7
trans-1,2-Dichloroethene		ND		1.1	2.7
trans-1,3-Dichloropropene		ND		1.1	2.7
Trichloroethene		ND		1.1	2.7
Trichlorofluoromethane		ND		1.1	5.3
Vinyl chloride		ND		1.1	2.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-16/18-XXX**

Lab Sample ID: 360-24417-8
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/02/2009 0825
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48976		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48975		Lab File ID:	V45030.D
Dilution:	1.0			Initial Weight/Volume:	5.18 g
Date Analyzed:	09/15/2009 2158			Final Weight/Volume:	5 g
Date Prepared:	09/15/2009 1417				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.63	6.4	T J

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-DUP**

Lab Sample ID: 360-24417-9
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44812.D
Dilution:	1.0			Initial Weight/Volume:	6.47 g
Date Analyzed:	09/09/2009 0140			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.87	2.2
1,1,1-Trichloroethane		ND		0.87	2.2
1,1,2,2-Tetrachloroethane		ND		0.87	2.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.87	11
1,1,2-Trichloroethane		ND		0.87	2.2
1,1-Dichloroethane		ND		0.87	2.2
1,1-Dichloroethene		ND		0.87	2.2
1,1-Dichloropropene		ND		0.87	2.2
1,2,3-Trichlorobenzene		ND		0.87	2.2
1,2,3-Trichloropropane		ND		1.3	2.2
1,2,4-Trichlorobenzene		ND		0.87	2.2
1,2,4-Trimethylbenzene		ND		0.87	2.2
1,2-Dibromo-3-Chloropropane		ND		1.6	22
Ethylene Dibromide		ND		0.87	2.2
1,2-Dichlorobenzene		ND		0.87	2.2
1,2-Dichloroethane		ND		0.87	2.2
Acetone		ND		16	220
1,2-Dichloropropane		ND		0.87	2.2
1,3,5-Trimethylbenzene		ND		0.87	2.2
1,3-Dichlorobenzene		ND		0.87	2.2
1,3-Dichloropropane		ND		0.87	2.2
1,4-Dichlorobenzene		ND		0.87	2.2
1,4-Dioxane		ND		29	220
2,2-Dichloropropane		ND		0.87	2.2
2,4,4-Trimethyl-1-pentene		ND		0.87	4.3
2,4,4-Trimethyl-2-pentene		ND		0.87	4.3
2-Chlorotoluene		ND		0.87	2.2
2-Hexanone		ND		4.5	22
4-Chlorotoluene		ND		0.87	2.2
Benzene		ND		0.87	2.2
Bromobenzene		ND		0.87	2.2
Chlorobromomethane		ND		0.87	2.2
Dichlorobromomethane		ND		0.87	2.2
Bromoform		ND		0.87	2.2
Bromomethane		ND		0.87	4.3
n-Butylbenzene		ND		0.87	2.2
Carbon disulfide		ND		0.87	2.2
Carbon tetrachloride		ND		0.87	2.2
Chlorobenzene		ND		0.87	2.2
Chloroethane		ND		0.87	4.3
Chloroform		ND		0.87	2.2
Chloromethane		ND		0.87	4.3
cis-1,2-Dichloroethene		ND		0.87	2.2
cis-1,3-Dichloropropene		ND		0.87	2.2
Cyclohexane		ND		2.2	22
Chlorodibromomethane		ND		0.87	2.2

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-DUP**

Lab Sample ID: 360-24417-9
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44812.D
Dilution:	1.0			Initial Weight/Volume:	6.47 g
Date Analyzed:	09/09/2009 0140			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		0.87	2.2
Dichlorodifluoromethane		ND	*	0.87	4.3
Ethyl ether		ND		0.87	2.2
Isopropyl ether		ND		0.87	2.2
Tert-butyl ethyl ether		ND		2.2	2.2
Ethylbenzene		ND		0.87	2.2
Hexachlorobutadiene		ND		0.87	2.2
Isopropylbenzene		ND		0.87	2.2
Methyl acetate		ND		14	43
2-Butanone (MEK)		ND		5.9	22
4-Methyl-2-pentanone (MIBK)		ND		4.5	22
Methyl tert-butyl ether		ND		0.87	2.2
Methylcyclohexane		ND		0.87	2.2
Methylene Chloride		ND		4.2	8.7
m-Xylene & p-Xylene		ND		0.87	4.3
Naphthalene		ND		0.87	22
N-Propylbenzene		ND		0.87	2.2
o-Xylene		ND		0.87	2.2
4-Isopropyltoluene		ND		0.87	2.2
sec-Butylbenzene		ND		0.87	2.2
Styrene		ND		0.87	2.2
Tert-amyl methyl ether		ND		0.87	2.2
tert-Butylbenzene		ND		0.87	2.2
Tetrachloroethene		ND		0.87	2.2
Tetrahydrofuran		ND		4.8	22
Toluene		ND		0.87	2.2
trans-1,2-Dichloroethene		ND		0.87	2.2
trans-1,3-Dichloropropene		ND		0.87	2.2
Trichloroethene		ND		0.87	2.2
Trichlorofluoromethane		ND		0.87	4.3
Vinyl chloride		ND		0.87	2.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-DUP**

Lab Sample ID: 360-24417-9
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44812.D
Dilution:	1.0			Initial Weight/Volume:	6.47 g
Date Analyzed:	09/09/2009 0140			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	12.80	6.9	T J

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-XXX**

Lab Sample ID: 360-24417-10
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48767		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48765		Lab File ID:	V44845.D
Dilution:	1.0			Initial Weight/Volume:	5.66 g
Date Analyzed:	09/09/2009 1953			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.0	2.5
1,1,1-Trichloroethane		ND		1.0	2.5
1,1,2,2-Tetrachloroethane		ND		1.0	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	12
1,1,2-Trichloroethane		ND		1.0	2.5
1,1-Dichloroethane		ND		1.0	2.5
1,1-Dichloroethene		ND		1.0	2.5
1,1-Dichloropropene		ND		1.0	2.5
1,2,3-Trichlorobenzene		ND		1.0	2.5
1,2,3-Trichloropropane		ND		1.5	2.5
1,2,4-Trichlorobenzene		1.6	J	1.0	2.5
1,2,4-Trimethylbenzene		ND		1.0	2.5
1,2-Dibromo-3-Chloropropane		ND		1.8	25
Ethylene Dibromide		ND		1.0	2.5
1,2-Dichlorobenzene		ND		1.0	2.5
1,2-Dichloroethane		ND		1.0	2.5
Acetone		ND		18	250
1,2-Dichloropropane		ND		1.0	2.5
1,3,5-Trimethylbenzene		ND		1.0	2.5
1,3-Dichlorobenzene		ND		1.0	2.5
1,3-Dichloropropane		ND		1.0	2.5
1,4-Dichlorobenzene		ND		1.0	2.5
1,4-Dioxane		ND		33	250
2,2-Dichloropropane		ND		1.0	2.5
2,4,4-Trimethyl-1-pentene		ND		1.0	5.0
2,4,4-Trimethyl-2-pentene		ND		1.0	5.0
2-Chlorotoluene		ND		1.0	2.5
2-Hexanone		ND		5.1	25
4-Chlorotoluene		ND		1.0	2.5
Benzene		ND		1.0	2.5
Bromobenzene		ND		1.0	2.5
Chlorobromomethane		ND		1.0	2.5
Dichlorobromomethane		ND		1.0	2.5
Bromoform		ND		1.0	2.5
Bromomethane		ND		1.0	5.0
n-Butylbenzene		ND		1.0	2.5
Carbon disulfide		ND		1.0	2.5
Carbon tetrachloride		ND		1.0	2.5
Chlorobenzene		ND		1.0	2.5
Chloroethane		ND		1.0	5.0
Chloroform		ND		1.0	2.5
Chloromethane		ND		1.0	5.0
cis-1,2-Dichloroethene		ND		1.0	2.5
cis-1,3-Dichloropropene		ND		1.0	2.5
Cyclohexane		ND		2.6	25
Chlorodibromomethane		ND		1.0	2.5

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-XXX**

Lab Sample ID: 360-24417-10
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48767		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48765		Lab File ID:	V44845.D
Dilution:	1.0			Initial Weight/Volume:	5.66 g
Date Analyzed:	09/09/2009 1953			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.0	2.5
Dichlorodifluoromethane		ND	*	1.0	5.0
Ethyl ether		ND		1.0	2.5
Isopropyl ether		ND		1.0	2.5
Tert-butyl ethyl ether		ND		2.5	2.5
Ethylbenzene		ND		1.0	2.5
Hexachlorobutadiene		ND		1.0	2.5
Isopropylbenzene		ND		1.0	2.5
Methyl acetate		ND		16	50
2-Butanone (MEK)		ND		6.7	25
4-Methyl-2-pentanone (MIBK)		ND		5.2	25
Methyl tert-butyl ether		ND		1.0	2.5
Methylcyclohexane		ND		1.0	2.5
Methylene Chloride		5.2	J B	4.8	10
m-Xylene & p-Xylene		ND		1.0	5.0
Naphthalene		ND		1.0	25
N-Propylbenzene		ND		1.0	2.5
o-Xylene		ND		1.0	2.5
4-Isopropyltoluene		ND		1.0	2.5
sec-Butylbenzene		ND		1.0	2.5
Styrene		ND		1.0	2.5
Tert-amyl methyl ether		ND		1.0	2.5
tert-Butylbenzene		ND		1.0	2.5
Tetrachloroethene		ND		1.0	2.5
Tetrahydrofuran		9.3	J	5.5	25
Toluene		ND		1.0	2.5
trans-1,2-Dichloroethene		ND		1.0	2.5
trans-1,3-Dichloropropene		ND		1.0	2.5
Trichloroethene		ND		1.0	2.5
Trichlorofluoromethane		ND		1.0	5.0
Vinyl chloride		ND		1.0	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-XXX**

Lab Sample ID: 360-24417-10
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48767		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48765		Lab File ID:	V44845.D
Dilution:	1.0			Initial Weight/Volume:	5.66 g
Date Analyzed:	09/09/2009 1953			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

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

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-0.0/1.0-XXX**

Lab Sample ID: 360-24417-11
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 09/02/2009 1005
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44932.D
Dilution:	1.0			Initial Weight/Volume:	5.46 g
Date Analyzed:	09/12/2009 1654			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.1	2.6
1,1,1-Trichloroethane		ND		1.1	2.6
1,1,2,2-Tetrachloroethane		ND		1.1	2.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	13
1,1,2-Trichloroethane		ND		1.1	2.6
1,1-Dichloroethane		ND		1.1	2.6
1,1-Dichloroethene		ND		1.1	2.6
1,1-Dichloropropene		ND		1.1	2.6
1,2,3-Trichlorobenzene		ND		1.1	2.6
1,2,3-Trichloropropane		ND		1.6	2.6
1,2,4-Trichlorobenzene		ND		1.1	2.6
1,2,4-Trimethylbenzene		ND		1.1	2.6
1,2-Dibromo-3-Chloropropane		ND		1.9	26
Ethylene Dibromide		ND		1.1	2.6
1,2-Dichlorobenzene		ND		1.1	2.6
1,2-Dichloroethane		ND		1.1	2.6
Acetone		19	J	19	260
1,2-Dichloropropane		ND		1.1	2.6
1,3,5-Trimethylbenzene		ND		1.1	2.6
1,3-Dichlorobenzene		ND		1.1	2.6
1,3-Dichloropropane		ND		1.1	2.6
1,4-Dichlorobenzene		ND		1.1	2.6
1,4-Dioxane		ND		35	260
2,2-Dichloropropane		ND		1.1	2.6
2,4,4-Trimethyl-1-pentene		ND		1.1	5.3
2,4,4-Trimethyl-2-pentene		ND		1.1	5.3
2-Chlorotoluene		ND		1.1	2.6
2-Hexanone		ND		5.4	26
4-Chlorotoluene		ND		1.1	2.6
Benzene		ND		1.1	2.6
Bromobenzene		ND		1.1	2.6
Chlorobromomethane		ND		1.1	2.6
Dichlorobromomethane		ND		1.1	2.6
Bromoform		ND		1.1	2.6
Bromomethane		ND		1.1	5.3
n-Butylbenzene		ND		1.1	2.6
Carbon disulfide		ND		1.1	2.6
Carbon tetrachloride		ND		1.1	2.6
Chlorobenzene		ND		1.1	2.6
Chloroethane		ND		1.1	5.3
Chloroform		ND		1.1	2.6
Chloromethane		ND		1.1	5.3
cis-1,2-Dichloroethene		ND		1.1	2.6
cis-1,3-Dichloropropene		ND		1.1	2.6
Cyclohexane		ND		2.7	26
Chlorodibromomethane		ND		1.1	2.6

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-0.0/1.0-XXX**

Lab Sample ID: 360-24417-11
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 09/02/2009 1005
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44932.D
Dilution:	1.0			Initial Weight/Volume:	5.46 g
Date Analyzed:	09/12/2009 1654			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.1	2.6
Dichlorodifluoromethane		ND	*	1.1	5.3
Ethyl ether		ND		1.1	2.6
Isopropyl ether		ND		1.1	2.6
Tert-butyl ethyl ether		ND		2.6	2.6
Ethylbenzene		ND		1.1	2.6
Hexachlorobutadiene		ND		1.1	2.6
Isopropylbenzene		ND		1.1	2.6
Methyl acetate		ND		17	53
2-Butanone (MEK)		ND		7.1	26
4-Methyl-2-pentanone (MIBK)		ND		5.4	26
Methyl tert-butyl ether		ND		1.1	2.6
Methylcyclohexane		ND		1.1	2.6
Methylene Chloride		ND		5.1	11
m-Xylene & p-Xylene		ND		1.1	5.3
Naphthalene		ND		1.1	26
N-Propylbenzene		ND		1.1	2.6
o-Xylene		ND		1.1	2.6
4-Isopropyltoluene		ND		1.1	2.6
sec-Butylbenzene		ND		1.1	2.6
Styrene		ND		1.1	2.6
Tert-amyl methyl ether		ND		1.1	2.6
tert-Butylbenzene		ND		1.1	2.6
Tetrachloroethene		ND		1.1	2.6
Tetrahydrofuran		6.9	J	5.8	26
Toluene		ND		1.1	2.6
trans-1,2-Dichloroethene		ND		1.1	2.6
trans-1,3-Dichloropropene		ND		1.1	2.6
Trichloroethene		ND		1.1	2.6
Trichlorofluoromethane		ND		1.1	5.3
Vinyl chloride		ND		1.1	2.6

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	89		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-0.0/1.0-XXX**

Lab Sample ID: 360-24417-11
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 09/02/2009 1005
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44932.D
Dilution:	1.0			Initial Weight/Volume:	5.46 g
Date Analyzed:	09/12/2009 1654			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	16.41	3.0	T J

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-8.0/10-XXX**

Lab Sample ID: 360-24417-13
Client Matrix: Solid
% Moisture: 12.8

Date Sampled: 09/02/2009 1010
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44813.D
Dilution:	1.0			Initial Weight/Volume:	5.74 g
Date Analyzed:	09/09/2009 0204			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.0	2.5
1,1,1-Trichloroethane		ND		1.0	2.5
1,1,2,2-Tetrachloroethane		ND		1.0	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	12
1,1,2-Trichloroethane		ND		1.0	2.5
1,1-Dichloroethane		ND		1.0	2.5
1,1-Dichloroethene		ND		1.0	2.5
1,1-Dichloropropene		ND		1.0	2.5
1,2,3-Trichlorobenzene		ND		1.0	2.5
1,2,3-Trichloropropane		ND		1.5	2.5
1,2,4-Trichlorobenzene		ND		1.0	2.5
1,2,4-Trimethylbenzene		ND		1.0	2.5
1,2-Dibromo-3-Chloropropane		ND		1.8	25
Ethylene Dibromide		ND		1.0	2.5
1,2-Dichlorobenzene		ND		1.0	2.5
1,2-Dichloroethane		ND		1.0	2.5
Acetone		ND		18	250
1,2-Dichloropropane		ND		1.0	2.5
1,3,5-Trimethylbenzene		ND		1.0	2.5
1,3-Dichlorobenzene		ND		1.0	2.5
1,3-Dichloropropane		ND		1.0	2.5
1,4-Dichlorobenzene		ND		1.0	2.5
1,4-Dioxane		ND		33	250
2,2-Dichloropropane		ND		1.0	2.5
2,4,4-Trimethyl-1-pentene		ND		1.0	5.0
2,4,4-Trimethyl-2-pentene		ND		1.0	5.0
2-Chlorotoluene		ND		1.0	2.5
2-Hexanone		ND		5.1	25
4-Chlorotoluene		ND		1.0	2.5
Benzene		ND		1.0	2.5
Bromobenzene		ND		1.0	2.5
Chlorobromomethane		ND		1.0	2.5
Dichlorobromomethane		ND		1.0	2.5
Bromoform		ND		1.0	2.5
Bromomethane		ND		1.0	5.0
n-Butylbenzene		ND		1.0	2.5
Carbon disulfide		ND		1.0	2.5
Carbon tetrachloride		ND		1.0	2.5
Chlorobenzene		ND		1.0	2.5
Chloroethane		ND		1.0	5.0
Chloroform		ND		1.0	2.5
Chloromethane		ND		1.0	5.0
cis-1,2-Dichloroethene		ND		1.0	2.5
cis-1,3-Dichloropropene		ND		1.0	2.5
Cyclohexane		ND		2.6	25
Chlorodibromomethane		ND		1.0	2.5

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-8.0/10-XXX**

Lab Sample ID: 360-24417-13
Client Matrix: Solid
% Moisture: 12.8

Date Sampled: 09/02/2009 1010
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44813.D
Dilution:	1.0			Initial Weight/Volume:	5.74 g
Date Analyzed:	09/09/2009 0204			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.0	2.5
Dichlorodifluoromethane		ND	*	1.0	5.0
Ethyl ether		ND		1.0	2.5
Isopropyl ether		ND		1.0	2.5
Tert-butyl ethyl ether		ND		2.5	2.5
Ethylbenzene		ND		1.0	2.5
Hexachlorobutadiene		ND		1.0	2.5
Isopropylbenzene		ND		1.0	2.5
Methyl acetate		ND		16	50
2-Butanone (MEK)		ND		6.7	25
4-Methyl-2-pentanone (MIBK)		ND		5.2	25
Methyl tert-butyl ether		ND		1.0	2.5
Methylcyclohexane		ND		1.0	2.5
Methylene Chloride		ND		4.8	10
m-Xylene & p-Xylene		ND		1.0	5.0
Naphthalene		ND		1.0	25
N-Propylbenzene		ND		1.0	2.5
o-Xylene		ND		1.0	2.5
4-Isopropyltoluene		ND		1.0	2.5
sec-Butylbenzene		ND		1.0	2.5
Styrene		ND		1.0	2.5
Tert-amyl methyl ether		ND		1.0	2.5
tert-Butylbenzene		ND		1.0	2.5
Tetrachloroethene		ND		1.0	2.5
Tetrahydrofuran		ND		5.5	25
Toluene		ND		1.0	2.5
trans-1,2-Dichloroethene		ND		1.0	2.5
trans-1,3-Dichloropropene		ND		1.0	2.5
Trichloroethene		ND		1.0	2.5
Trichlorofluoromethane		ND		1.0	5.0
Vinyl chloride		ND		1.0	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	107		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-8.0/10-XXX**

Lab Sample ID: 360-24417-13
Client Matrix: Solid
% Moisture: 12.8

Date Sampled: 09/02/2009 1010
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44813.D
Dilution:	1.0			Initial Weight/Volume:	5.74 g
Date Analyzed:	09/09/2009 0204			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	12.81	6.5	T J

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-0.0/1.0-XXX**

Lab Sample ID: 360-24417-14
Client Matrix: Solid
% Moisture: 8.3

Date Sampled: 09/02/2009 1315
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44933.D
Dilution:	1.0			Initial Weight/Volume:	5.52 g
Date Analyzed:	09/12/2009 1718			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.99	2.5
1,1,1-Trichloroethane		ND		0.99	2.5
1,1,2,2-Tetrachloroethane		ND		0.99	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.99	12
1,1,2-Trichloroethane		ND		0.99	2.5
1,1-Dichloroethane		ND		0.99	2.5
1,1-Dichloroethene		ND		0.99	2.5
1,1-Dichloropropene		ND		0.99	2.5
1,2,3-Trichlorobenzene		ND		0.99	2.5
1,2,3-Trichloropropane		ND		1.5	2.5
1,2,4-Trichlorobenzene		ND		0.99	2.5
1,2,4-Trimethylbenzene		ND		0.99	2.5
1,2-Dibromo-3-Chloropropane		ND		1.8	25
Ethylene Dibromide		ND		0.99	2.5
1,2-Dichlorobenzene		ND		0.99	2.5
1,2-Dichloroethane		ND		0.99	2.5
Acetone		ND		18	250
1,2-Dichloropropane		ND		0.99	2.5
1,3,5-Trimethylbenzene		ND		0.99	2.5
1,3-Dichlorobenzene		ND		0.99	2.5
1,3-Dichloropropane		ND		0.99	2.5
1,4-Dichlorobenzene		ND		0.99	2.5
1,4-Dioxane		ND		33	250
2,2-Dichloropropane		ND		0.99	2.5
2,4,4-Trimethyl-1-pentene		ND		0.99	4.9
2,4,4-Trimethyl-2-pentene		ND		0.99	4.9
2-Chlorotoluene		ND		0.99	2.5
2-Hexanone		ND		5.1	25
4-Chlorotoluene		ND		0.99	2.5
Benzene		ND		0.99	2.5
Bromobenzene		ND		0.99	2.5
Chlorobromomethane		ND		0.99	2.5
Dichlorobromomethane		ND		0.99	2.5
Bromoform		ND		0.99	2.5
Bromomethane		ND		0.99	4.9
n-Butylbenzene		ND		0.99	2.5
Carbon disulfide		ND		0.99	2.5
Carbon tetrachloride		ND		0.99	2.5
Chlorobenzene		ND		0.99	2.5
Chloroethane		ND		0.99	4.9
Chloroform		ND		0.99	2.5
Chloromethane		ND		0.99	4.9
cis-1,2-Dichloroethene		ND		0.99	2.5
cis-1,3-Dichloropropene		ND		0.99	2.5
Cyclohexane		ND		2.5	25
Chlorodibromomethane		ND		0.99	2.5

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-0.0/1.0-XXX**

Lab Sample ID: 360-24417-14
Client Matrix: Solid
% Moisture: 8.3

Date Sampled: 09/02/2009 1315
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44933.D
Dilution:	1.0			Initial Weight/Volume:	5.52 g
Date Analyzed:	09/12/2009 1718			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		0.99	2.5
Dichlorodifluoromethane		ND	*	0.99	4.9
Ethyl ether		ND		0.99	2.5
Isopropyl ether		ND		0.99	2.5
Tert-butyl ethyl ether		ND		2.5	2.5
Ethylbenzene		ND		0.99	2.5
Hexachlorobutadiene		ND		0.99	2.5
Isopropylbenzene		ND		0.99	2.5
Methyl acetate		ND		16	49
2-Butanone (MEK)		ND		6.7	25
4-Methyl-2-pentanone (MIBK)		ND		5.1	25
Methyl tert-butyl ether		ND		0.99	2.5
Methylcyclohexane		ND		0.99	2.5
Methylene Chloride		ND		4.8	9.9
m-Xylene & p-Xylene		ND		0.99	4.9
Naphthalene		ND		0.99	25
N-Propylbenzene		ND		0.99	2.5
o-Xylene		ND		0.99	2.5
4-Isopropyltoluene		ND		0.99	2.5
sec-Butylbenzene		ND		0.99	2.5
Styrene		ND		0.99	2.5
Tert-amyl methyl ether		ND		0.99	2.5
tert-Butylbenzene		ND		0.99	2.5
Tetrachloroethene		ND		0.99	2.5
Tetrahydrofuran		ND		5.4	25
Toluene		ND		0.99	2.5
trans-1,2-Dichloroethene		ND		0.99	2.5
trans-1,3-Dichloropropene		ND		0.99	2.5
Trichloroethene		ND		0.99	2.5
Trichlorofluoromethane		ND		0.99	4.9
Vinyl chloride		ND		0.99	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-0.0/1.0-XXX**

Lab Sample ID: 360-24417-14
Client Matrix: Solid
% Moisture: 8.3

Date Sampled: 09/02/2009 1315
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44933.D
Dilution:	1.0			Initial Weight/Volume:	5.52 g
Date Analyzed:	09/12/2009 1718			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.37	5.3	T J

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-3.0/5.0-XXX**

Lab Sample ID: 360-24417-15
Client Matrix: Solid
% Moisture: 18.9

Date Sampled: 09/02/2009 1330
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44814.D
Dilution:	1.0			Initial Weight/Volume:	6.71 g
Date Analyzed:	09/09/2009 0228			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.92	2.3
1,1,1-Trichloroethane		ND		0.92	2.3
1,1,2,2-Tetrachloroethane		ND		0.92	2.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.92	11
1,1,2-Trichloroethane		ND		0.92	2.3
1,1-Dichloroethane		ND		0.92	2.3
1,1-Dichloroethene		ND		0.92	2.3
1,1-Dichloropropene		ND		0.92	2.3
1,2,3-Trichlorobenzene		ND		0.92	2.3
1,2,3-Trichloropropane		ND		1.4	2.3
1,2,4-Trichlorobenzene		ND		0.92	2.3
1,2,4-Trimethylbenzene		ND		0.92	2.3
1,2-Dibromo-3-Chloropropane		ND		1.7	23
Ethylene Dibromide		ND		0.92	2.3
1,2-Dichlorobenzene		ND		0.92	2.3
1,2-Dichloroethane		ND		0.92	2.3
Acetone		ND		16	230
1,2-Dichloropropane		ND		0.92	2.3
1,3,5-Trimethylbenzene		ND		0.92	2.3
1,3-Dichlorobenzene		ND		0.92	2.3
1,3-Dichloropropane		ND		0.92	2.3
1,4-Dichlorobenzene		ND		0.92	2.3
1,4-Dioxane		ND		30	230
2,2-Dichloropropane		ND		0.92	2.3
2,4,4-Trimethyl-1-pentene		ND		0.92	4.6
2,4,4-Trimethyl-2-pentene		ND		0.92	4.6
2-Chlorotoluene		ND		0.92	2.3
2-Hexanone		ND		4.7	23
4-Chlorotoluene		ND		0.92	2.3
Benzene		ND		0.92	2.3
Bromobenzene		ND		0.92	2.3
Chlorobromomethane		ND		0.92	2.3
Dichlorobromomethane		ND		0.92	2.3
Bromoform		ND		0.92	2.3
Bromomethane		ND		0.92	4.6
n-Butylbenzene		ND		0.92	2.3
Carbon disulfide		ND		0.92	2.3
Carbon tetrachloride		ND		0.92	2.3
Chlorobenzene		ND		0.92	2.3
Chloroethane		ND		0.92	4.6
Chloroform		ND		0.92	2.3
Chloromethane		ND		0.92	4.6
cis-1,2-Dichloroethene		ND		0.92	2.3
cis-1,3-Dichloropropene		ND		0.92	2.3
Cyclohexane		ND		2.4	23
Chlorodibromomethane		ND		0.92	2.3

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-3.0/5.0-XXX**

Lab Sample ID: 360-24417-15
Client Matrix: Solid
% Moisture: 18.9

Date Sampled: 09/02/2009 1330
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44814.D
Dilution:	1.0			Initial Weight/Volume:	6.71 g
Date Analyzed:	09/09/2009 0228			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		0.92	2.3
Dichlorodifluoromethane		ND	*	0.92	4.6
Ethyl ether		ND		0.92	2.3
Isopropyl ether		ND		0.92	2.3
Tert-butyl ethyl ether		ND		2.3	2.3
Ethylbenzene		ND		0.92	2.3
Hexachlorobutadiene		ND		0.92	2.3
Isopropylbenzene		ND		0.92	2.3
Methyl acetate		ND		15	46
2-Butanone (MEK)		ND		6.2	23
4-Methyl-2-pentanone (MIBK)		ND		4.7	23
Methyl tert-butyl ether		ND		0.92	2.3
Methylcyclohexane		ND		0.92	2.3
Methylene Chloride		ND		4.4	9.2
m-Xylene & p-Xylene		ND		0.92	4.6
Naphthalene		ND		0.92	23
N-Propylbenzene		ND		0.92	2.3
o-Xylene		ND		0.92	2.3
4-Isopropyltoluene		ND		0.92	2.3
sec-Butylbenzene		ND		0.92	2.3
Styrene		ND		0.92	2.3
Tert-amyl methyl ether		ND		0.92	2.3
tert-Butylbenzene		ND		0.92	2.3
Tetrachloroethene		ND		0.92	2.3
Tetrahydrofuran		ND		5.1	23
Toluene		ND		0.92	2.3
trans-1,2-Dichloroethene		ND		0.92	2.3
trans-1,3-Dichloropropene		ND		0.92	2.3
Trichloroethene		ND		0.92	2.3
Trichlorofluoromethane		ND		0.92	4.6
Vinyl chloride		ND		0.92	2.3

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	105		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-3.0/5.0-XXX**

Lab Sample ID: 360-24417-15
Client Matrix: Solid
% Moisture: 18.9

Date Sampled: 09/02/2009 1330
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48711		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48710		Lab File ID:	V44814.D
Dilution:	1.0			Initial Weight/Volume:	6.71 g
Date Analyzed:	09/09/2009 0228			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	12.80	2.1	T J

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-TBK-012**

Lab Sample ID: 360-24417-17
Client Matrix: Solid

Date Sampled: 09/02/2009 1450
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44934.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Date Analyzed:	09/12/2009 1743			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		1.0	2.5
1,1,1-Trichloroethane		ND		1.0	2.5
1,1,2,2-Tetrachloroethane		ND		1.0	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	12
1,1,2-Trichloroethane		ND		1.0	2.5
1,1-Dichloroethane		ND		1.0	2.5
1,1-Dichloroethene		ND		1.0	2.5
1,1-Dichloropropene		ND		1.0	2.5
1,2,3-Trichlorobenzene		ND		1.0	2.5
1,2,3-Trichloropropane		ND		1.5	2.5
1,2,4-Trichlorobenzene		ND		1.0	2.5
1,2,4-Trimethylbenzene		ND		1.0	2.5
1,2-Dibromo-3-Chloropropane		ND		1.8	25
Ethylene Dibromide		ND		1.0	2.5
1,2-Dichlorobenzene		ND		1.0	2.5
1,2-Dichloroethane		ND		1.0	2.5
Acetone		ND		18	250
1,2-Dichloropropane		ND		1.0	2.5
1,3,5-Trimethylbenzene		ND		1.0	2.5
1,3-Dichlorobenzene		ND		1.0	2.5
1,3-Dichloropropane		ND		1.0	2.5
1,4-Dichlorobenzene		ND		1.0	2.5
1,4-Dioxane		ND		33	250
2,2-Dichloropropane		ND		1.0	2.5
2,4,4-Trimethyl-1-pentene		ND		1.0	5.0
2,4,4-Trimethyl-2-pentene		ND		1.0	5.0
2-Chlorotoluene		ND		1.0	2.5
2-Hexanone		ND		5.1	25
4-Chlorotoluene		ND		1.0	2.5
Benzene		ND		1.0	2.5
Bromobenzene		ND		1.0	2.5
Chlorobromomethane		ND		1.0	2.5
Dichlorobromomethane		ND		1.0	2.5
Bromoform		ND		1.0	2.5
Bromomethane		ND		1.0	5.0
n-Butylbenzene		ND		1.0	2.5
Carbon disulfide		ND		1.0	2.5
Carbon tetrachloride		ND		1.0	2.5
Chlorobenzene		ND		1.0	2.5
Chloroethane		ND		1.0	5.0
Chloroform		ND		1.0	2.5
Chloromethane		ND		1.0	5.0
cis-1,2-Dichloroethene		ND		1.0	2.5
cis-1,3-Dichloropropene		ND		1.0	2.5
Cyclohexane		ND		2.6	25
Chlorodibromomethane		ND		1.0	2.5

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-TBK-012**

Lab Sample ID: 360-24417-17
Client Matrix: Solid

Date Sampled: 09/02/2009 1450
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877		Lab File ID:	V44934.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Date Analyzed:	09/12/2009 1743			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibromomethane		ND		1.0	2.5
Dichlorodifluoromethane		ND	*	1.0	5.0
Ethyl ether		ND		1.0	2.5
Isopropyl ether		ND		1.0	2.5
Tert-butyl ethyl ether		ND		2.5	2.5
Ethylbenzene		ND		1.0	2.5
Hexachlorobutadiene		ND		1.0	2.5
Isopropylbenzene		ND		1.0	2.5
Methyl acetate		ND		16	50
2-Butanone (MEK)		ND		6.7	25
4-Methyl-2-pentanone (MIBK)		ND		5.2	25
Methyl tert-butyl ether		ND		1.0	2.5
Methylcyclohexane		ND		1.0	2.5
Methylene Chloride		ND		4.8	10
m-Xylene & p-Xylene		ND		1.0	5.0
Naphthalene		ND		1.0	25
N-Propylbenzene		ND		1.0	2.5
o-Xylene		ND		1.0	2.5
4-Isopropyltoluene		ND		1.0	2.5
sec-Butylbenzene		ND		1.0	2.5
Styrene		ND		1.0	2.5
Tert-amyl methyl ether		ND		1.0	2.5
tert-Butylbenzene		ND		1.0	2.5
Tetrachloroethene		ND		1.0	2.5
Tetrahydrofuran		6.2	J	5.5	25
Toluene		ND		1.0	2.5
trans-1,2-Dichloroethene		ND		1.0	2.5
trans-1,3-Dichloropropene		ND		1.0	2.5
Trichloroethene		ND		1.0	2.5
Trichlorofluoromethane		ND		1.0	5.0
Vinyl chloride		ND		1.0	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-TBK-012**

Lab Sample ID: 360-24417-17
Client Matrix: Solid

Date Sampled: 09/02/2009 1450
Date Received: 09/02/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-48878	Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-48877	Lab File ID:	V44934.D
Dilution:	1.0		Initial Weight/Volume:	5 g
Date Analyzed:	09/12/2009 1743		Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114			

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	10.67	1.5	T J

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-463-0.0/1.0-XXX**

Lab Sample ID: 360-24417-1
Client Matrix: Solid
% Moisture: 3.8

Date Sampled: 09/01/2009 1300
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10466.D
Dilution:	1.0			Initial Weight/Volume:	30.37 g
Date Analyzed:	09/22/2009 0623			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		10	34
1,2,4,5-Tetrachlorobenzene		ND		10	34
1,2,4-Trichlorobenzene		ND		10	34
1,2-Dichlorobenzene		ND		10	34
1,3-Dichlorobenzene		ND		10	34
1,4-Dichlorobenzene		ND		10	34
1-Methylnaphthalene		ND		10	34
2,2'-oxybis[1-chloropropane]		ND		10	34
2,3,4,6-Tetrachlorophenol		ND		10	34
2,4,5-Trichlorophenol		ND		10	34
2,4,6-Trichlorophenol		ND		10	34
2,4-Dichlorophenol		ND		10	34
2,4-Dimethylphenol		ND		13	34
2,4-Dinitrophenol		ND		10	34
2,4-Dinitrotoluene		ND		10	34
2,6-Dinitrotoluene		ND		10	34
2-Chloronaphthalene		ND		10	34
2-Chlorophenol		ND		10	34
2-Methylnaphthalene		ND		10	34
2-Methylphenol		ND		21	34
2-Nitroaniline		ND		10	170
2-Nitrophenol		ND		10	34
3 & 4 Methylphenol		ND		10	34
3,3'-Dichlorobenzidine		ND		10	68
3-Nitroaniline		ND		10	170
4,6-Dinitro-2-methylphenol		ND		10	170
4-Bromophenyl phenyl ether		ND		10	34
4-Chloro-3-methylphenol		ND		10	68
4-Chloroaniline		ND		10	68
4-Chlorophenyl phenyl ether		ND		10	34
4-Nitroaniline		ND		10	170
4-Nitrophenol		ND		10	170
Acenaphthene		ND		10	34
Acenaphthylene		ND		10	34
Acetophenone		ND		10	34
Aniline		ND	*	10	34
Anthracene		ND		10	34
Atrazine		ND		10	34
Azobenzene		ND		10	34
Benzaldehyde		ND		10	34
Benzo[a]anthracene		ND		10	34
Benzo[a]pyrene		ND		10	34
Benzo[b]fluoranthene		ND		10	34
Benzo[g,h,i]perylene		ND		10	34
Benzo[k]fluoranthene		ND		10	34
Benzoic acid		ND		15	170

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-463-0.0/1.0-XXX**

Lab Sample ID: 360-24417-1
Client Matrix: Solid
% Moisture: 3.8

Date Sampled: 09/01/2009 1300
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10466.D
Dilution:	1.0			Initial Weight/Volume:	30.37 g
Date Analyzed:	09/22/2009 0623			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		10	34
Benzyl alcohol		ND		29	68
Bis(2-chloroethoxy)methane		ND		10	34
Bis(2-chloroethyl)ether		ND		10	34
Bis(2-ethylhexyl) phthalate		50		10	34
Butyl benzyl phthalate		ND		10	34
Caprolactam		ND		10	34
Carbazole		ND		10	34
Chrysene		ND		10	34
Dibenz(a,h)anthracene		ND		10	34
Dibenzofuran		ND		10	34
Diethyl phthalate		ND		10	34
Dimethyl phthalate		ND		10	34
Di-n-butyl phthalate		ND		30	34
Di-n-octyl phthalate		ND		17	34
Diphenyl oxide		ND		10	34
Fluoranthene		ND		10	34
Fluorene		ND		10	34
Hexachlorobenzene		ND		10	34
Hexachlorobutadiene		ND		10	34
Hexachlorocyclopentadiene		ND		10	68
Hexachloroethane		ND		10	34
Indeno[1,2,3-cd]pyrene		ND		10	34
Isophorone		ND		10	34
Naphthalene		ND		10	82
Nitrobenzene		ND		10	34
N-Nitrosodimethylamine		ND		12	34
N-Nitrosodi-n-propylamine		ND		10	34
N-Nitrosodiphenylamine		ND		10	34
Pentachlorophenol		ND		10	34
Phenanthrene		ND		10	41
Phenol		ND		10	34
Pyrene		ND		10	34

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	62		30 - 130
2-Fluorobiphenyl	58		30 - 130
2-Fluorophenol	70		30 - 130
Nitrobenzene-d5	69		30 - 130
Phenol-d5	69		30 - 130
Terphenyl-d14	57		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-463-0.0/1.0-XXX**

Lab Sample ID: 360-24417-1
Client Matrix: Solid
% Moisture: 3.8

Date Sampled: 09/01/2009 1300
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10466.D
Dilution:	1.0			Initial Weight/Volume:	30.37 g
Date Analyzed:	09/22/2009 0623			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
1599-67-3	1-Docosene	16.20	190	T J N

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-463-6.0/8.0-XXX**

Lab Sample ID: 360-24417-3
Client Matrix: Solid
% Moisture: 15.9

Date Sampled: 09/01/2009 1310
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10468.D
Dilution:	1.0			Initial Weight/Volume:	30.67 g
Date Analyzed:	09/22/2009 0725			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		12	39
1,2,4,5-Tetrachlorobenzene		ND		12	39
1,2,4-Trichlorobenzene		ND		12	39
1,2-Dichlorobenzene		ND		12	39
1,3-Dichlorobenzene		ND		12	39
1,4-Dichlorobenzene		ND		12	39
1-Methylnaphthalene		ND		12	39
2,2'-oxybis[1-chloropropane]		ND		12	39
2,3,4,6-Tetrachlorophenol		ND		12	39
2,4,5-Trichlorophenol		ND		12	39
2,4,6-Trichlorophenol		ND		12	39
2,4-Dichlorophenol		ND		12	39
2,4-Dimethylphenol		ND		15	39
2,4-Dinitrophenol		ND		12	39
2,4-Dinitrotoluene		ND		12	39
2,6-Dinitrotoluene		ND		12	39
2-Chloronaphthalene		ND		12	39
2-Chlorophenol		ND		12	39
2-Methylnaphthalene		ND		12	39
2-Methylphenol		ND		23	39
2-Nitroaniline		ND		12	190
2-Nitrophenol		ND		12	39
3 & 4 Methylphenol		ND		12	39
3,3'-Dichlorobenzidine		ND		12	78
3-Nitroaniline		ND		12	190
4,6-Dinitro-2-methylphenol		ND		12	190
4-Bromophenyl phenyl ether		ND		12	39
4-Chloro-3-methylphenol		ND		12	78
4-Chloroaniline		ND		12	78
4-Chlorophenyl phenyl ether		ND		12	39
4-Nitroaniline		ND		12	190
4-Nitrophenol		ND		12	190
Acenaphthene		ND		12	39
Acenaphthylene		ND		12	39
Acetophenone		ND		12	39
Aniline		ND		12	39
Anthracene		ND		12	39
Atrazine		ND		12	39
Azobenzene		ND		12	39
Benzaldehyde		ND		12	39
Benzo[a]anthracene		ND		12	39
Benzo[a]pyrene		ND		12	39
Benzo[b]fluoranthene		ND		12	39
Benzo[g,h,i]perylene		ND		12	39
Benzo[k]fluoranthene		ND		12	39
Benzoic acid		ND		17	190

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-463-6.0/8.0-XXX**

Lab Sample ID: 360-24417-3
Client Matrix: Solid
% Moisture: 15.9

Date Sampled: 09/01/2009 1310
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10468.D
Dilution:	1.0			Initial Weight/Volume:	30.67 g
Date Analyzed:	09/22/2009 0725			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		12	39
Benzyl alcohol		ND		33	78
Bis(2-chloroethoxy)methane		ND		12	39
Bis(2-chloroethyl)ether		ND		12	39
Bis(2-ethylhexyl) phthalate		ND		12	39
Butyl benzyl phthalate		ND		12	39
Caprolactam		ND		12	39
Carbazole		ND		12	39
Chrysene		ND		12	39
Dibenz(a,h)anthracene		ND		12	39
Dibenzofuran		ND		12	39
Diethyl phthalate		ND		12	39
Dimethyl phthalate		ND		12	39
Di-n-butyl phthalate		ND		34	39
Di-n-octyl phthalate		ND		20	39
Diphenyl oxide		85		12	39
Fluoranthene		ND		12	39
Fluorene		ND		12	39
Hexachlorobenzene		ND		12	39
Hexachlorobutadiene		ND		12	39
Hexachlorocyclopentadiene		ND		12	78
Hexachloroethane		ND		12	39
Indeno[1,2,3-cd]pyrene		ND		12	39
Isophorone		ND		12	39
Naphthalene		ND		12	93
Nitrobenzene		ND		12	39
N-Nitrosodimethylamine		ND		14	39
N-Nitrosodi-n-propylamine		ND		12	39
N-Nitrosodiphenylamine		ND		12	39
Pentachlorophenol		ND		12	39
Phenanthrene		ND		12	47
Phenol		ND		12	39
Pyrene		ND		12	39

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	54		30 - 130
2-Fluorobiphenyl	56		30 - 130
2-Fluorophenol	64		30 - 130
Nitrobenzene-d5	63		30 - 130
Phenol-d5	63		30 - 130
Terphenyl-d14	53		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-463-6.0/8.0-XXX**

Lab Sample ID: 360-24417-3
Client Matrix: Solid
% Moisture: 15.9

Date Sampled: 09/01/2009 1310
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10468.D
Dilution:	1.0			Initial Weight/Volume:	30.67 g
Date Analyzed:	09/22/2009 0725			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
128-37-0	Butylated Hydroxytoluene	10.48	25	T J N
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	10.93	19	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	11.07	41	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.43	33	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.85	20	T J N
112-61-8	Octadecanoic acid, methyl ester	12.81	22	T J N
629-96-9	1-Eicosanol	15.10	28	T J N
630-3-5	Nonacosane	16.12	29	T J N
1000131-9-4	Z-12-Pentacosene	16.24	31	T J N
638-67-5	Tricosane	18.59	8.5	T J N

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-0.0/1.0-XXX**

Lab Sample ID: 360-24417-4
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 09/01/2009 1550
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48876		Instrument ID:	Inst. J
Preparation:	3550B	Prep Batch: 360-48800		Lab File ID:	J02927.D
Dilution:	1.0			Initial Weight/Volume:	100.65 g
Date Analyzed:	09/12/2009 1648			Final Weight/Volume:	1.0 mL
Date Prepared:	09/10/2009 1211			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		1.2	5.3

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	75		30 - 130
2-Fluorobiphenyl	59		30 - 130
2-Fluorophenol	58		30 - 130
Nitrobenzene-d5	59		30 - 130
Phenol-d5	63		30 - 130
Terphenyl-d14	75		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-0.0/1.0-XXX**

Lab Sample ID: 360-24417-4
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 09/01/2009 1550
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10469.D
Dilution:	1.0			Initial Weight/Volume:	30.48 g
Date Analyzed:	09/22/2009 0756			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		10	35
1,2,4,5-Tetrachlorobenzene		ND		10	35
1,2,4-Trichlorobenzene		ND		10	35
1,2-Dichlorobenzene		ND		10	35
1,3-Dichlorobenzene		ND		10	35
1,4-Dichlorobenzene		ND		10	35
1-Methylnaphthalene		ND		10	35
2,2'-oxybis[1-chloropropane]		ND		10	35
2,3,4,6-Tetrachlorophenol		ND		10	35
2,4,5-Trichlorophenol		ND		10	35
2,4,6-Trichlorophenol		ND		10	35
2,4-Dichlorophenol		ND		10	35
2,4-Dimethylphenol		ND		14	35
2,4-Dinitrophenol		ND		10	35
2,4-Dinitrotoluene		ND		10	35
2,6-Dinitrotoluene		ND		10	35
2-Chloronaphthalene		ND		10	35
2-Chlorophenol		ND		10	35
2-Methylnaphthalene		ND		10	35
2-Methylphenol		ND		21	35
2-Nitroaniline		ND		10	170
2-Nitrophenol		ND		10	35
3 & 4 Methylphenol		ND		10	35
3,3'-Dichlorobenzidine		ND		10	70
3-Nitroaniline		ND		10	170
4,6-Dinitro-2-methylphenol		ND		10	170
4-Bromophenyl phenyl ether		ND		10	35
4-Chloro-3-methylphenol		ND		10	70
4-Chloroaniline		ND		10	70
4-Chlorophenyl phenyl ether		ND		10	35
4-Nitroaniline		ND		10	170
4-Nitrophenol		ND		10	170
Acenaphthene		ND		10	35
Acenaphthylene		ND		10	35
Acetophenone		ND		10	35
Aniline		ND		10	35
Anthracene		ND		10	35
Atrazine		ND		10	35
Azobenzene		ND		10	35
Benzaldehyde		ND		10	35
Benzo[a]anthracene		ND		10	35
Benzo[a]pyrene		ND		10	35
Benzo[b]fluoranthene		ND		10	35
Benzo[g,h,i]perylene		ND		10	35
Benzo[k]fluoranthene		ND		10	35
Benzoic acid		ND		16	170

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-0.0/1.0-XXX**

Lab Sample ID: 360-24417-4
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 09/01/2009 1550
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10469.D
Dilution:	1.0			Initial Weight/Volume:	30.48 g
Date Analyzed:	09/22/2009 0756			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		10	35
Benzyl alcohol		ND		30	70
Bis(2-chloroethoxy)methane		ND		10	35
Bis(2-chloroethyl)ether		ND		10	35
Bis(2-ethylhexyl) phthalate		87		10	35
Butyl benzyl phthalate		ND		10	35
Caprolactam		ND		10	35
Carbazole		ND		10	35
Chrysene		ND		10	35
Dibenz(a,h)anthracene		ND		10	35
Dibenzofuran		ND		10	35
Diethyl phthalate		ND		10	35
Dimethyl phthalate		ND		10	35
Di-n-butyl phthalate		ND		31	35
Di-n-octyl phthalate		ND		18	35
Diphenyl oxide		ND		10	35
Diphenylamine		ND		10	35
Fluoranthene		ND		10	35
Fluorene		ND		10	35
Hexachlorobenzene		ND		10	35
Hexachlorobutadiene		ND		10	35
Hexachlorocyclopentadiene		ND		10	70
Hexachloroethane		ND		10	35
Indeno[1,2,3-cd]pyrene		ND		10	35
Isophorone		ND		10	35
Naphthalene		ND		10	84
Nitrobenzene		ND		10	35
N-Nitrosodimethylamine		ND		12	35
N-Nitrosodi-n-propylamine		ND		10	35
N-Nitrosodiphenylamine		ND		10	35
Pentachlorophenol		ND		10	35
Phenanthrene		ND		10	42
Phenol		ND		10	35
Pyrene		ND		10	35

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	61		30 - 130
2-Fluorophenol	73		30 - 130
2-Fluorobiphenyl	60		30 - 130
Nitrobenzene-d5	67		30 - 130
Phenol-d5	71		30 - 130
Terphenyl-d14	59		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-0.0/1.0-XXX**

Lab Sample ID: 360-24417-4
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 09/01/2009 1550
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10469.D
Dilution:	1.0			Initial Weight/Volume:	30.48 g
Date Analyzed:	09/22/2009 0756			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
98-55-5	Alpha-Terpineol	8.94	29	J
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.43	35	T J N
638-67-5	Tricosane	13.65	40	T J N
3452-7-1	1-Eicosene	15.04	470	T J N
1599-67-3	1-Docosene	16.19	700	T J N

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-5.0/7.0-XXX**

Lab Sample ID: 360-24417-6
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48876		Instrument ID:	Inst. J
Preparation:	3550B	Prep Batch: 360-48800		Lab File ID:	J02928.D
Dilution:	1.0			Initial Weight/Volume:	100.05 g
Date Analyzed:	09/12/2009 1719			Final Weight/Volume:	1.0 mL
Date Prepared:	09/10/2009 1211			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		1.3	5.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	76		30 - 130
2-Fluorobiphenyl	58		30 - 130
2-Fluorophenol	53		30 - 130
Nitrobenzene-d5	55		30 - 130
Phenol-d5	61		30 - 130
Terphenyl-d14	75		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-5.0/7.0-XXX**

Lab Sample ID: 360-24417-6
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10471.D
Dilution:	1.0			Initial Weight/Volume:	30.53 g
Date Analyzed:	09/22/2009 0858			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	37
1,2,4,5-Tetrachlorobenzene		ND		11	37
1,2,4-Trichlorobenzene		ND		11	37
1,2-Dichlorobenzene		ND		11	37
1,3-Dichlorobenzene		ND		11	37
1,4-Dichlorobenzene		ND		11	37
1-Methylnaphthalene		ND		11	37
2,2'-oxybis[1-chloropropane]		ND		11	37
2,3,4,6-Tetrachlorophenol		ND		11	37
2,4,5-Trichlorophenol		ND		11	37
2,4,6-Trichlorophenol		ND		11	37
2,4-Dichlorophenol		ND		11	37
2,4-Dimethylphenol		ND		15	37
2,4-Dinitrophenol		ND		11	37
2,4-Dinitrotoluene		ND		11	37
2,6-Dinitrotoluene		ND		11	37
2-Chloronaphthalene		ND		11	37
2-Chlorophenol		ND		11	37
2-Methylnaphthalene		ND		11	37
2-Methylphenol		ND		22	37
2-Nitroaniline		ND		11	190
2-Nitrophenol		ND		11	37
3 & 4 Methylphenol		ND		11	37
3,3'-Dichlorobenzidine		ND		11	75
3-Nitroaniline		ND		11	190
4,6-Dinitro-2-methylphenol		ND		11	190
4-Bromophenyl phenyl ether		ND		11	37
4-Chloro-3-methylphenol		ND		11	75
4-Chloroaniline		ND		11	75
4-Chlorophenyl phenyl ether		ND		11	37
4-Nitroaniline		ND		11	190
4-Nitrophenol		ND		11	190
Acenaphthene		ND		11	37
Acenaphthylene		ND		11	37
Acetophenone		ND		11	37
Aniline		ND		11	37
Anthracene		ND		11	37
Atrazine		ND		11	37
Azobenzene		ND		11	37
Benzaldehyde		ND		11	37
Benzo[a]anthracene		ND		11	37
Benzo[a]pyrene		ND		11	37
Benzo[b]fluoranthene		ND		11	37
Benzo[g,h,i]perylene		ND		11	37
Benzo[k]fluoranthene		ND		11	37
Benzoic acid		ND		17	190

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-5.0/7.0-XXX**

Lab Sample ID: 360-24417-6
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10471.D
Dilution:	1.0			Initial Weight/Volume:	30.53 g
Date Analyzed:	09/22/2009 0858			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	37
Benzyl alcohol		ND		32	75
Bis(2-chloroethoxy)methane		ND		11	37
Bis(2-chloroethyl)ether		ND		11	37
Bis(2-ethylhexyl) phthalate		200		11	37
Butyl benzyl phthalate		ND		11	37
Caprolactam		ND		11	37
Carbazole		ND		11	37
Chrysene		ND		11	37
Dibenz(a,h)anthracene		ND		11	37
Dibenzofuran		ND		11	37
Diethyl phthalate		ND		11	37
Dimethyl phthalate		ND		11	37
Di-n-butyl phthalate		ND		33	37
Di-n-octyl phthalate		ND		19	37
Diphenyl oxide		ND		11	37
Diphenylamine		ND		11	37
Fluoranthene		ND		11	37
Fluorene		ND		11	37
Hexachlorobenzene		ND		11	37
Hexachlorobutadiene		ND		11	37
Hexachlorocyclopentadiene		ND		11	75
Hexachloroethane		ND		11	37
Indeno[1,2,3-cd]pyrene		ND		11	37
Isophorone		ND		11	37
Naphthalene		ND		11	90
Nitrobenzene		ND		11	37
N-Nitrosodimethylamine		ND		13	37
N-Nitrosodi-n-propylamine		ND		11	37
N-Nitrosodiphenylamine		ND		11	37
Pentachlorophenol		ND		11	37
Phenanthrene		ND		11	45
Phenol		ND		11	37
Pyrene		ND		11	37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	55		30 - 130
2-Fluorophenol	63		30 - 130
2-Fluorobiphenyl	54		30 - 130
Nitrobenzene-d5	61		30 - 130
Phenol-d5	62		30 - 130
Terphenyl-d14	54		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-5.0/7.0-XXX**

Lab Sample ID: 360-24417-6
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49266		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10471.D
Dilution:	1.0			Initial Weight/Volume:	30.53 g
Date Analyzed:	09/22/2009 0858			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
98-55-5	Alpha-Terpineol	8.94	26	J
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.43	31	T J N
112-61-8	Octadecanoic acid, methyl ester	12.81	17	T J N
3452-7-1	1-Eicosene	15.11	160	T J N
593-49-7	Heptacosane	16.12	36	T J N
1599-67-3	1-Docosene	16.22	240	T J N

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-0.0/1.0-XXX**

Lab Sample ID: 360-24417-7
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 09/02/2009 0735
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48876		Instrument ID:	Inst. J
Preparation:	3550B	Prep Batch: 360-48800		Lab File ID:	J02929.D
Dilution:	1.0			Initial Weight/Volume:	100.07 g
Date Analyzed:	09/12/2009 1749			Final Weight/Volume:	1.0 mL
Date Prepared:	09/10/2009 1211			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		1.2	5.3

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	85		30 - 130
2-Fluorobiphenyl	68		30 - 130
2-Fluorophenol	69		30 - 130
Nitrobenzene-d5	69		30 - 130
Phenol-d5	76		30 - 130
Terphenyl-d14	78		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-0.0/1.0-XXX**

Lab Sample ID: 360-24417-7
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 09/02/2009 0735
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03058.D
Dilution:	1.0			Initial Weight/Volume:	30.13 g
Date Analyzed:	09/21/2009 2330			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		10	35
1,2,4,5-Tetrachlorobenzene		ND		10	35
1,2,4-Trichlorobenzene		ND		10	35
1,2-Dichlorobenzene		ND		10	35
1,3-Dichlorobenzene		ND		10	35
1,4-Dichlorobenzene		ND		10	35
1-Methylnaphthalene		ND		10	35
2,2'-oxybis[1-chloropropane]		ND		10	35
2,3,4,6-Tetrachlorophenol		ND		10	35
2,4,5-Trichlorophenol		ND		10	35
2,4,6-Trichlorophenol		ND		10	35
2,4-Dichlorophenol		ND		10	35
2,4-Dimethylphenol		ND		14	35
2,4-Dinitrophenol		ND		10	35
2,4-Dinitrotoluene		ND		10	35
2,6-Dinitrotoluene		ND		10	35
2-Chloronaphthalene		ND		10	35
2-Chlorophenol		ND		10	35
2-Methylnaphthalene		ND		10	35
2-Methylphenol		ND		21	35
2-Nitroaniline		ND		10	170
2-Nitrophenol		ND		10	35
3 & 4 Methylphenol		ND		10	35
3,3'-Dichlorobenzidine		ND		10	70
3-Nitroaniline		ND		10	170
4,6-Dinitro-2-methylphenol		ND		10	170
4-Bromophenyl phenyl ether		ND		10	35
4-Chloro-3-methylphenol		ND		10	70
4-Chloroaniline		ND		10	70
4-Chlorophenyl phenyl ether		ND		10	35
4-Nitroaniline		ND		10	170
4-Nitrophenol		ND		10	170
Acenaphthene		ND		10	35
Acenaphthylene		ND		10	35
Acetophenone		ND		10	35
Aniline		ND	*	10	35
Anthracene		ND		10	35
Atrazine		ND		10	35
Azobenzene		ND		10	35
Benzaldehyde		ND		10	35
Benzo[a]anthracene		ND		10	35
Benzo[a]pyrene		ND		10	35
Benzo[b]fluoranthene		ND		10	35
Benzo[g,h,i]perylene		ND		10	35
Benzo[k]fluoranthene		ND		10	35
Benzoic acid		ND		16	170

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-0.0/1.0-XXX**

Lab Sample ID: 360-24417-7
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 09/02/2009 0735
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03058.D
Dilution:	1.0			Initial Weight/Volume:	30.13 g
Date Analyzed:	09/21/2009 2330			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		10	35
Benzyl alcohol		ND		30	70
Bis(2-chloroethoxy)methane		ND		10	35
Bis(2-chloroethyl)ether		ND		10	35
Bis(2-ethylhexyl) phthalate		110	B	10	35
Butyl benzyl phthalate		ND		10	35
Caprolactam		ND		10	35
Carbazole		ND		10	35
Chrysene		ND		10	35
Dibenz(a,h)anthracene		ND		10	35
Dibenzofuran		ND		10	35
Diethyl phthalate		ND		10	35
Dimethyl phthalate		ND		10	35
Di-n-butyl phthalate		ND		31	35
Di-n-octyl phthalate		ND		18	35
Diphenyl oxide		260		10	35
Diphenylamine		ND		10	35
Fluoranthene		ND		10	35
Fluorene		ND		10	35
Hexachlorobenzene		ND		10	35
Hexachlorobutadiene		ND		10	35
Hexachlorocyclopentadiene		ND		10	70
Hexachloroethane		ND		10	35
Indeno[1,2,3-cd]pyrene		ND		10	35
Isophorone		ND		10	35
Naphthalene		ND		10	84
Nitrobenzene		ND		10	35
N-Nitrosodimethylamine		ND		12	35
N-Nitrosodi-n-propylamine		ND		10	35
N-Nitrosodiphenylamine		ND		10	35
Pentachlorophenol		ND		10	35
Phenanthrene		ND		10	42
Phenol		ND		10	35
Pyrene		ND		10	35

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	64		30 - 130
2-Fluorophenol	69		30 - 130
2-Fluorobiphenyl	63		30 - 130
Nitrobenzene-d5	61		30 - 130
Phenol-d5	71		30 - 130
Terphenyl-d14	70		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-0.0/1.0-XXX**

Lab Sample ID: 360-24417-7
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 09/02/2009 0735
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03058.D
Dilution:	1.0			Initial Weight/Volume:	30.13 g
Date Analyzed:	09/21/2009 2330			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
92-87-5	Benzidine	12.16	19	J
629-96-9	1-Eicosanol	14.00	140	T J N
26603-23-6	p,p"-Dioctyldiphenylamine	14.82	140	T J N

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-DUP**

Lab Sample ID: 360-24417-9
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48876		Instrument ID:	Inst. J
Preparation:	3550B	Prep Batch: 360-48800		Lab File ID:	J02931.D
Dilution:	1.0			Initial Weight/Volume:	100.33 g
Date Analyzed:	09/12/2009 1850			Final Weight/Volume:	1.0 mL
Date Prepared:	09/10/2009 1211			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		1.3	5.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	76		30 - 130
2-Fluorobiphenyl	62		30 - 130
2-Fluorophenol	62		30 - 130
Nitrobenzene-d5	62		30 - 130
Phenol-d5	68		30 - 130
Terphenyl-d14	80		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-DUP**

Lab Sample ID: 360-24417-9
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03060.D
Dilution:	1.0			Initial Weight/Volume:	30.15 g
Date Analyzed:	09/22/2009 0024			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	37
1,2,4,5-Tetrachlorobenzene		ND		11	37
1,2,4-Trichlorobenzene		ND		11	37
1,2-Dichlorobenzene		ND		11	37
1,3-Dichlorobenzene		ND		11	37
1,4-Dichlorobenzene		ND		11	37
1-Methylnaphthalene		ND		11	37
2,2'-oxybis[1-chloropropane]		ND		11	37
2,3,4,6-Tetrachlorophenol		ND		11	37
2,4,5-Trichlorophenol		ND		11	37
2,4,6-Trichlorophenol		ND		11	37
2,4-Dichlorophenol		ND		11	37
2,4-Dimethylphenol		ND		15	37
2,4-Dinitrophenol		ND		11	37
2,4-Dinitrotoluene		ND		11	37
2,6-Dinitrotoluene		ND		11	37
2-Chloronaphthalene		ND		11	37
2-Chlorophenol		ND		11	37
2-Methylnaphthalene		ND		11	37
2-Methylphenol		ND		22	37
2-Nitroaniline		ND		11	190
2-Nitrophenol		ND		11	37
3 & 4 Methylphenol		ND		11	37
3,3'-Dichlorobenzidine		ND		11	75
3-Nitroaniline		ND		11	190
4,6-Dinitro-2-methylphenol		ND		11	190
4-Bromophenyl phenyl ether		ND		11	37
4-Chloro-3-methylphenol		ND		11	75
4-Chloroaniline		ND		11	75
4-Chlorophenyl phenyl ether		ND		11	37
4-Nitroaniline		ND		11	190
4-Nitrophenol		ND		11	190
Acenaphthene		ND		11	37
Acenaphthylene		ND		11	37
Acetophenone		ND		11	37
Aniline		ND		11	37
Anthracene		ND		11	37
Atrazine		ND		11	37
Azobenzene		ND		11	37
Benzaldehyde		ND		11	37
Benzo[a]anthracene		ND		11	37
Benzo[a]pyrene		ND		11	37
Benzo[b]fluoranthene		ND		11	37
Benzo[g,h,i]perylene		ND		11	37
Benzo[k]fluoranthene		ND		11	37
Benzoic acid		ND		17	190

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-DUP**

Lab Sample ID: 360-24417-9
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03060.D
Dilution:	1.0			Initial Weight/Volume:	30.15 g
Date Analyzed:	09/22/2009 0024			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	37
Benzyl alcohol		ND		32	75
Bis(2-chloroethoxy)methane		ND		11	37
Bis(2-chloroethyl)ether		ND		11	37
Bis(2-ethylhexyl) phthalate		48		11	37
Butyl benzyl phthalate		ND		11	37
Caprolactam		ND		11	37
Carbazole		ND		11	37
Chrysene		ND		11	37
Dibenz(a,h)anthracene		ND		11	37
Dibenzofuran		ND		11	37
Diethyl phthalate		ND		11	37
Dimethyl phthalate		ND		11	37
Di-n-butyl phthalate		ND		33	37
Di-n-octyl phthalate		ND		19	37
Diphenyl oxide		ND		11	37
Diphenylamine		ND		11	37
Fluoranthene		ND		11	37
Fluorene		ND		11	37
Hexachlorobenzene		ND		11	37
Hexachlorobutadiene		ND		11	37
Hexachlorocyclopentadiene		ND		11	75
Hexachloroethane		ND		11	37
Indeno[1,2,3-cd]pyrene		ND		11	37
Isophorone		ND		11	37
Naphthalene		ND		11	90
Nitrobenzene		ND		11	37
N-Nitrosodimethylamine		ND		13	37
N-Nitrosodi-n-propylamine		ND		11	37
N-Nitrosodiphenylamine		ND		11	37
Pentachlorophenol		ND		11	37
Phenanthrene		ND		11	45
Phenol		ND		11	37
Pyrene		ND		11	37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	68		30 - 130
2-Fluorophenol	72		30 - 130
2-Fluorobiphenyl	66		30 - 130
Nitrobenzene-d5	64		30 - 130
Phenol-d5	74		30 - 130
Terphenyl-d14	79		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-DUP**

Lab Sample ID: 360-24417-9
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03060.D
Dilution:	1.0			Initial Weight/Volume:	30.15 g
Date Analyzed:	09/22/2009 0024			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
138-86-3	Limonene	6.46	8.1	T J N
10544-50-0	Cyclic octaatomic sulfur	12.00	32	T J N
7683-64-9	Squalene	14.35	100	T J N

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-XXX**

Lab Sample ID: 360-24417-10
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49397		Instrument ID:	Inst. J
Preparation:	3550B	Prep Batch: 360-48958		Lab File ID:	J03105.D
Dilution:	1.0			Initial Weight/Volume:	100.47 g
Date Analyzed:	09/24/2009 0045			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1206			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		1.3	5.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	69		30 - 130
2-Fluorobiphenyl	61		30 - 130
2-Fluorophenol	62		30 - 130
Nitrobenzene-d5	58		30 - 130
Phenol-d5	69		30 - 130
Terphenyl-d14	75		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-XXX**

Lab Sample ID: 360-24417-10
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03055.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Date Analyzed:	09/21/2009 2209			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	38
1,2,4,5-Tetrachlorobenzene		ND		11	38
1,2,4-Trichlorobenzene		ND		11	38
1,2-Dichlorobenzene		ND		11	38
1,3-Dichlorobenzene		ND		11	38
1,4-Dichlorobenzene		ND		11	38
1-Methylnaphthalene		ND		11	38
2,2'-oxybis[1-chloropropane]		ND		11	38
2,3,4,6-Tetrachlorophenol		ND		11	38
2,4,5-Trichlorophenol		ND		11	38
2,4,6-Trichlorophenol		ND		11	38
2,4-Dichlorophenol		ND		11	38
2,4-Dimethylphenol		ND		15	38
2,4-Dinitrophenol		ND		11	38
2,4-Dinitrotoluene		ND		11	38
2,6-Dinitrotoluene		ND		11	38
2-Chloronaphthalene		ND		11	38
2-Chlorophenol		ND		11	38
2-Methylnaphthalene		ND		11	38
2-Methylphenol		ND		23	38
2-Nitroaniline		ND		11	190
2-Nitrophenol		ND		11	38
3 & 4 Methylphenol		ND		11	38
3,3'-Dichlorobenzidine		ND		11	75
3-Nitroaniline		ND		11	190
4,6-Dinitro-2-methylphenol		ND		11	190
4-Bromophenyl phenyl ether		ND		11	38
4-Chloro-3-methylphenol		ND		11	75
4-Chloroaniline		ND		11	75
4-Chlorophenyl phenyl ether		ND		11	38
4-Nitroaniline		ND		11	190
4-Nitrophenol		ND		11	190
Acenaphthene		ND		11	38
Acenaphthylene		ND		11	38
Acetophenone		ND		11	38
Aniline		ND		11	38
Anthracene		ND		11	38
Atrazine		ND		11	38
Azobenzene		ND		11	38
Benzaldehyde		ND		11	38
Benzo[a]anthracene		ND		11	38
Benzo[a]pyrene		ND		11	38
Benzo[b]fluoranthene		ND		11	38
Benzo[g,h,i]perylene		ND		11	38
Benzo[k]fluoranthene		ND		11	38
Benzoic acid		ND		17	190

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-XXX**

Lab Sample ID: 360-24417-10
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03055.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Date Analyzed:	09/21/2009 2209			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	38
Benzyl alcohol		ND		32	75
Bis(2-chloroethoxy)methane		ND		11	38
Bis(2-chloroethyl)ether		ND		11	38
Bis(2-ethylhexyl) phthalate		28	J	11	38
Butyl benzyl phthalate		ND		11	38
Caprolactam		ND		11	38
Carbazole		ND		11	38
Chrysene		ND		11	38
Dibenz(a,h)anthracene		ND		11	38
Dibenzofuran		ND		11	38
Diethyl phthalate		ND		11	38
Dimethyl phthalate		ND		11	38
Di-n-butyl phthalate		ND		33	38
Di-n-octyl phthalate		ND		19	38
Diphenyl oxide		ND		11	38
Diphenylamine		ND		11	38
Fluoranthene		ND		11	38
Fluorene		ND		11	38
Hexachlorobenzene		ND		11	38
Hexachlorobutadiene		ND		11	38
Hexachlorocyclopentadiene		ND		11	75
Hexachloroethane		ND		11	38
Indeno[1,2,3-cd]pyrene		ND		11	38
Isophorone		ND		11	38
Naphthalene		ND		11	90
Nitrobenzene		ND		11	38
N-Nitrosodimethylamine		ND		13	38
N-Nitrosodi-n-propylamine		ND		11	38
N-Nitrosodiphenylamine		ND		11	38
Pentachlorophenol		ND		11	38
Phenanthrene		ND		11	45
Phenol		ND		11	38
Pyrene		ND		11	38

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	66		30 - 130
2-Fluorophenol	75		30 - 130
2-Fluorobiphenyl	69		30 - 130
Nitrobenzene-d5	66		30 - 130
Phenol-d5	79		30 - 130
Terphenyl-d14	75		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-XXX**

Lab Sample ID: 360-24417-10
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03055.D
Dilution:	1.0			Initial Weight/Volume:	30.01 g
Date Analyzed:	09/21/2009 2209			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
615-22-5	Benzothiazole, 2-(methylthio)-	9.99	8.2	T J N
7683-64-9	Squalene	14.35	59	T J N

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-0.0/1.0-XXX**

Lab Sample ID: 360-24417-11
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 09/02/2009 1005
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-48876		Instrument ID:	Inst. J
Preparation:	3550B	Prep Batch: 360-48800		Lab File ID:	J02932.D
Dilution:	1.0			Initial Weight/Volume:	100.22 g
Date Analyzed:	09/12/2009 1920			Final Weight/Volume:	1.0 mL
Date Prepared:	09/10/2009 1211			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		1.3	5.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	41		30 - 130
2-Fluorobiphenyl	54		30 - 130
2-Fluorophenol	48		30 - 130
Nitrobenzene-d5	53		30 - 130
Phenol-d5	57		30 - 130
Terphenyl-d14	65		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-0.0/1.0-XXX**

Lab Sample ID: 360-24417-11
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 09/02/2009 1005
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49444		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10531.D
Dilution:	1.0			Initial Weight/Volume:	30.14 g
Date Analyzed:	09/24/2009 0422			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	38
1,2,4,5-Tetrachlorobenzene		ND		11	38
1,2,4-Trichlorobenzene		ND		11	38
1,2-Dichlorobenzene		ND		11	38
1,3-Dichlorobenzene		ND		11	38
1,4-Dichlorobenzene		ND		11	38
1-Methylnaphthalene		ND		11	38
2,2'-oxybis[1-chloropropane]		ND		11	38
2,3,4,6-Tetrachlorophenol		ND		11	38
2,4,5-Trichlorophenol		ND		11	38
2,4,6-Trichlorophenol		ND		11	38
2,4-Dichlorophenol		ND		11	38
2,4-Dimethylphenol		ND		15	38
2,4-Dinitrophenol		ND		11	38
2,4-Dinitrotoluene		ND		11	38
2,6-Dinitrotoluene		ND		11	38
2-Chloronaphthalene		ND		11	38
2-Chlorophenol		ND		11	38
2-Methylnaphthalene		ND		11	38
2-Methylphenol		ND		23	38
2-Nitroaniline		ND		11	190
2-Nitrophenol		ND		11	38
3 & 4 Methylphenol		ND		11	38
3,3'-Dichlorobenzidine		ND		11	77
3-Nitroaniline		ND		11	190
4,6-Dinitro-2-methylphenol		ND		11	190
4-Bromophenyl phenyl ether		ND		11	38
4-Chloro-3-methylphenol		ND		11	77
4-Chloroaniline		ND		11	77
4-Chlorophenyl phenyl ether		ND		11	38
4-Nitroaniline		ND		11	190
4-Nitrophenol		ND		11	190
Acenaphthene		ND		11	38
Acenaphthylene		ND		11	38
Acetophenone		ND		11	38
Aniline		ND		11	38
Anthracene		ND		11	38
Atrazine		ND		11	38
Azobenzene		ND		11	38
Benzaldehyde		ND		11	38
Benzo[a]anthracene		ND		11	38
Benzo[a]pyrene		ND		11	38
Benzo[b]fluoranthene		ND		11	38
Benzo[g,h,i]perylene		ND		11	38
Benzo[k]fluoranthene		ND		11	38
Benzoic acid		ND		17	190

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-0.0/1.0-XXX**

Lab Sample ID: 360-24417-11
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 09/02/2009 1005
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49444		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10531.D
Dilution:	1.0			Initial Weight/Volume:	30.14 g
Date Analyzed:	09/24/2009 0422			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	38
Benzyl alcohol		ND		33	77
Bis(2-chloroethoxy)methane		ND		11	38
Bis(2-chloroethyl)ether		ND		11	38
Bis(2-ethylhexyl) phthalate		86		11	38
Butyl benzyl phthalate		ND		11	38
Caprolactam		ND		11	38
Carbazole		ND		11	38
Chrysene		ND		11	38
Dibenz(a,h)anthracene		ND		11	38
Dibenzofuran		ND		11	38
Diethyl phthalate		ND		11	38
Dimethyl phthalate		ND		11	38
Di-n-butyl phthalate		ND		34	38
Di-n-octyl phthalate		ND		19	38
Diphenyl oxide		ND		11	38
Fluoranthene		ND		11	38
Fluorene		ND		11	38
Hexachlorobenzene		ND		11	38
Hexachlorobutadiene		ND		11	38
Hexachlorocyclopentadiene		ND		11	77
Hexachloroethane		ND		11	38
Indeno[1,2,3-cd]pyrene		ND		11	38
Isophorone		ND		11	38
Naphthalene		ND		11	92
Nitrobenzene		ND		11	38
N-Nitrosodimethylamine		ND		14	38
N-Nitrosodi-n-propylamine		ND		11	38
N-Nitrosodiphenylamine		20	J	11	38
Pentachlorophenol		32	J	11	38
Phenanthrene		ND		11	46
Phenol		ND		11	38
Pyrene		ND		11	38

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	54		30 - 130
2-Fluorophenol	80		30 - 130
2-Fluorobiphenyl	63		30 - 130
Nitrobenzene-d5	72		30 - 130
Phenol-d5	72		30 - 130
Terphenyl-d14	64		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-0.0/1.0-XXX**

Lab Sample ID: 360-24417-11
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 09/02/2009 1005
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49444		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	B10531.D
Dilution:	1.0			Initial Weight/Volume:	30.14 g
Date Analyzed:	09/24/2009 0422			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
98-55-5	Alpha-Terpineol	8.52	49	
620-92-8	Phenol, 4,4''-methylenebis-	12.24	20	T J N
92-87-5	Benzidine	12.52	19	J
112-88-9	1-Octadecene	12.99	200	T J N
295-48-7	Cyclopentadecane	13.50	38	T J N
1000155-85-3	Cyclohexadecane, 1,2-diethyl-	14.10	720	T J N
2004-39-9	1-Heptacosanol	14.84	68	T J N
1599-67-3	1-Docosene	15.51	840	T J N
297-3-0	Cyclotetracosane	16.52	190	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	17.00	2500	T J N

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-0.0/1.0-XXX**

Lab Sample ID: 360-24417-11
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 09/02/2009 1005
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49639		Instrument ID:	NOEQUIP
Preparation:	3546	Prep Batch: 360-48854		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	30.14 g
Date Analyzed:	09/29/2009 0048	Run Type:	DL3	Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Diphenylamine		19	J	11	38
N-Nitrosodiphenylamine		ND		11	38

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-8.0/10-XXX**

Lab Sample ID: 360-24417-13
Client Matrix: Solid
% Moisture: 12.8

Date Sampled: 09/02/2009 1010
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49397		Instrument ID:	Inst. J
Preparation:	3550B	Prep Batch: 360-48958		Lab File ID:	J03109.D
Dilution:	1.0			Initial Weight/Volume:	100.02 g
Date Analyzed:	09/24/2009 0301			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1206			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		1.3	5.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	69		30 - 130
2-Fluorobiphenyl	60		30 - 130
2-Fluorophenol	58		30 - 130
Nitrobenzene-d5	56		30 - 130
Phenol-d5	66		30 - 130
Terphenyl-d14	78		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-8.0/10-XXX**

Lab Sample ID: 360-24417-13
Client Matrix: Solid
% Moisture: 12.8

Date Sampled: 09/02/2009 1010
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03061.D
Dilution:	1.0			Initial Weight/Volume:	30.70 g
Date Analyzed:	09/22/2009 0051			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	37
1,2,4,5-Tetrachlorobenzene		ND		11	37
1,2,4-Trichlorobenzene		ND		11	37
1,2-Dichlorobenzene		ND		11	37
1,3-Dichlorobenzene		ND		11	37
1,4-Dichlorobenzene		ND		11	37
1-Methylnaphthalene		ND		11	37
2,2'-oxybis[1-chloropropane]		ND		11	37
2,3,4,6-Tetrachlorophenol		ND		11	37
2,4,5-Trichlorophenol		ND		11	37
2,4,6-Trichlorophenol		ND		11	37
2,4-Dichlorophenol		ND		11	37
2,4-Dimethylphenol		ND		15	37
2,4-Dinitrophenol		ND		11	37
2,4-Dinitrotoluene		ND		11	37
2,6-Dinitrotoluene		ND		11	37
2-Chloronaphthalene		ND		11	37
2-Chlorophenol		ND		11	37
2-Methylnaphthalene		ND		11	37
2-Methylphenol		ND		22	37
2-Nitroaniline		ND		11	190
2-Nitrophenol		ND		11	37
3 & 4 Methylphenol		ND		11	37
3,3'-Dichlorobenzidine		ND		11	75
3-Nitroaniline		ND		11	190
4,6-Dinitro-2-methylphenol		ND		11	190
4-Bromophenyl phenyl ether		ND		11	37
4-Chloro-3-methylphenol		ND		11	75
4-Chloroaniline		ND		11	75
4-Chlorophenyl phenyl ether		ND		11	37
4-Nitroaniline		ND		11	190
4-Nitrophenol		ND		11	190
Acenaphthene		ND		11	37
Acenaphthylene		ND		11	37
Acetophenone		ND		11	37
Aniline		ND		11	37
Anthracene		ND		11	37
Atrazine		ND		11	37
Azobenzene		ND		11	37
Benzaldehyde		ND		11	37
Benzo[a]anthracene		ND		11	37
Benzo[a]pyrene		ND		11	37
Benzo[b]fluoranthene		ND		11	37
Benzo[g,h,i]perylene		ND		11	37
Benzo[k]fluoranthene		ND		11	37
Benzoic acid		ND		17	190

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-8.0/10-XXX**

Lab Sample ID: 360-24417-13
Client Matrix: Solid
% Moisture: 12.8

Date Sampled: 09/02/2009 1010
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03061.D
Dilution:	1.0			Initial Weight/Volume:	30.70 g
Date Analyzed:	09/22/2009 0051			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	37
Benzyl alcohol		ND		32	75
Bis(2-chloroethoxy)methane		ND		11	37
Bis(2-chloroethyl)ether		ND		11	37
Bis(2-ethylhexyl) phthalate		55		11	37
Butyl benzyl phthalate		ND		11	37
Caprolactam		ND		11	37
Carbazole		ND		11	37
Chrysene		ND		11	37
Dibenz(a,h)anthracene		ND		11	37
Dibenzofuran		ND		11	37
Diethyl phthalate		ND		11	37
Dimethyl phthalate		ND		11	37
Di-n-butyl phthalate		ND		33	37
Di-n-octyl phthalate		ND		19	37
Diphenyl oxide		ND		11	37
Diphenylamine		ND		11	37
Fluoranthene		ND		11	37
Fluorene		ND		11	37
Hexachlorobenzene		ND		11	37
Hexachlorobutadiene		ND		11	37
Hexachlorocyclopentadiene		ND		11	75
Hexachloroethane		ND		11	37
Indeno[1,2,3-cd]pyrene		ND		11	37
Isophorone		ND		11	37
Naphthalene		ND		11	90
Nitrobenzene		ND		11	37
N-Nitrosodimethylamine		ND		13	37
N-Nitrosodi-n-propylamine		ND		11	37
N-Nitrosodiphenylamine		ND		11	37
Pentachlorophenol		ND		11	37
Phenanthrene		ND		11	45
Phenol		ND		11	37
Pyrene		ND		11	37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	60		30 - 130
2-Fluorophenol	66		30 - 130
2-Fluorobiphenyl	62		30 - 130
Nitrobenzene-d5	58		30 - 130
Phenol-d5	68		30 - 130
Terphenyl-d14	73		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-8.0/10-XXX**

Lab Sample ID: 360-24417-13
Client Matrix: Solid
% Moisture: 12.8

Date Sampled: 09/02/2009 1010
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03061.D
Dilution:	1.0			Initial Weight/Volume:	30.70 g
Date Analyzed:	09/22/2009 0051			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
10544-50-0	Cyclic octaatomic sulfur	12.01	170	T J N
7683-64-9	Squalene	14.35	80	T J N

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-0.0/1.0-XXX**

Lab Sample ID: 360-24417-14
Client Matrix: Solid
% Moisture: 8.3

Date Sampled: 09/02/2009 1315
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49397		Instrument ID:	Inst. J
Preparation:	3550B	Prep Batch: 360-48958		Lab File ID:	J03110.D
Dilution:	1.0			Initial Weight/Volume:	100.21 g
Date Analyzed:	09/24/2009 0334			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1206			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		1.3	5.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	77		30 - 130
2-Fluorobiphenyl	67		30 - 130
2-Fluorophenol	64		30 - 130
Nitrobenzene-d5	65		30 - 130
Phenol-d5	72		30 - 130
Terphenyl-d14	87		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-0.0/1.0-XXX**

Lab Sample ID: 360-24417-14
Client Matrix: Solid
% Moisture: 8.3

Date Sampled: 09/02/2009 1315
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49444		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	B10532.D
Dilution:	1.0			Initial Weight/Volume:	30.75 g
Date Analyzed:	09/24/2009 0453			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		11	35
1,2,4,5-Tetrachlorobenzene		ND		11	35
1,2,4-Trichlorobenzene		ND		11	35
1,2-Dichlorobenzene		ND		11	35
1,3-Dichlorobenzene		ND		11	35
1,4-Dichlorobenzene		ND		11	35
1-Methylnaphthalene		ND		11	35
2,2'-oxybis[1-chloropropane]		ND		11	35
2,3,4,6-Tetrachlorophenol		ND		11	35
2,4,5-Trichlorophenol		ND		11	35
2,4,6-Trichlorophenol		ND		11	35
2,4-Dichlorophenol		ND		11	35
2,4-Dimethylphenol		ND		14	35
2,4-Dinitrophenol		ND		11	35
2,4-Dinitrotoluene		ND		11	35
2,6-Dinitrotoluene		ND		11	35
2-Chloronaphthalene		ND		11	35
2-Chlorophenol		ND		11	35
2-Methylnaphthalene		ND		11	35
2-Methylphenol		ND		21	35
2-Nitroaniline		ND		11	180
2-Nitrophenol		ND		11	35
3 & 4 Methylphenol		ND		11	35
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	35
4-Chloro-3-methylphenol		ND		11	71
4-Chloroaniline		ND		11	71
4-Chlorophenyl phenyl ether		ND		11	35
4-Nitroaniline		ND		11	180
4-Nitrophenol		ND		11	180
Acenaphthene		ND		11	35
Acenaphthylene		ND		11	35
Acetophenone		ND		11	35
Aniline		ND		11	35
Anthracene		ND		11	35
Atrazine		ND		11	35
Azobenzene		ND		11	35
Benzaldehyde		17	J	11	35
Benzo[a]anthracene		ND		11	35
Benzo[a]pyrene		ND		11	35
Benzo[b]fluoranthene		ND		11	35
Benzo[g,h,i]perylene		ND		11	35
Benzo[k]fluoranthene		ND		11	35
Benzoic acid		35	J	16	180

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-0.0/1.0-XXX**

Lab Sample ID: 360-24417-14
Client Matrix: Solid
% Moisture: 8.3

Date Sampled: 09/02/2009 1315
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49444		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	B10532.D
Dilution:	1.0			Initial Weight/Volume:	30.75 g
Date Analyzed:	09/24/2009 0453			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		11	35
Benzyl alcohol		ND		30	71
Bis(2-chloroethoxy)methane		ND		11	35
Bis(2-chloroethyl)ether		ND		11	35
Bis(2-ethylhexyl) phthalate		180		11	35
Butyl benzyl phthalate		ND		11	35
Caprolactam		ND		11	35
Carbazole		ND		11	35
Chrysene		ND		11	35
Dibenz(a,h)anthracene		ND		11	35
Dibenzofuran		ND		11	35
Diethyl phthalate		ND		11	35
Dimethyl phthalate		ND		11	35
Di-n-butyl phthalate		ND		31	35
Di-n-octyl phthalate		ND		18	35
Diphenyl oxide		ND		11	35
Diphenylamine		ND		11	35
Fluoranthene		13	J	11	35
Fluorene		ND		11	35
Hexachlorobenzene		ND		11	35
Hexachlorobutadiene		ND		11	35
Hexachlorocyclopentadiene		ND		11	71
Hexachloroethane		ND		11	35
Indeno[1,2,3-cd]pyrene		ND		11	35
Isophorone		ND		11	35
Naphthalene		ND		11	85
Nitrobenzene		ND		11	35
N-Nitrosodimethylamine		ND		13	35
N-Nitrosodi-n-propylamine		ND		11	35
N-Nitrosodiphenylamine		ND		11	35
Pentachlorophenol		ND		11	35
Phenanthrene		ND		11	43
Phenol		ND		11	35
Pyrene		11	J	11	35

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	70		30 - 130
2-Fluorophenol	87		30 - 130
2-Fluorobiphenyl	66		30 - 130
Nitrobenzene-d5	75		30 - 130
Phenol-d5	76		30 - 130
Terphenyl-d14	77		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-0.0/1.0-XXX**

Lab Sample ID: 360-24417-14
Client Matrix: Solid % Moisture: 8.3

Date Sampled: 09/02/2009 1315
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49444		Instrument ID:	Inst. B
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	B10532.D
Dilution:	1.0			Initial Weight/Volume:	30.75 g
Date Analyzed:	09/24/2009 0453			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
541-2-6	Cyclopentasiloxane, decamethyl-	8.08	7.5	T J N
121-33-5	Vanillin	9.61	9.9	T J N
25154-52-3	Phenol, nonyl-	10.93	14	T J N
1454-85-9	1-Heptadecanol	12.18	12	T J N
35599-77-0	Tridecane, 1-iodo-	12.20	14	T J N
112-88-9	1-Octadecene	12.99	49	T J N
3452-7-1	1-Eicosene	14.09	510	T J N
18835-33-1	1-Hexacosene	14.83	52	T J N
6971-40-0	17-Pentatriacontene	16.02	120	T J N
7683-64-9	Squalene	16.10	260	T J N

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-3.0/5.0-XXX**

Lab Sample ID: 360-24417-15
Client Matrix: Solid
% Moisture: 18.9

Date Sampled: 09/02/2009 1330
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49397		Instrument ID:	Inst. J
Preparation:	3550B	Prep Batch: 360-48958		Lab File ID:	J03111.D
Dilution:	1.0			Initial Weight/Volume:	100.69 g
Date Analyzed:	09/24/2009 0408			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1206			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
N-Nitrosodimethylamine		ND		1.4	6.1

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	79		30 - 130
2-Fluorobiphenyl	65		30 - 130
2-Fluorophenol	58		30 - 130
Nitrobenzene-d5	59		30 - 130
Phenol-d5	66		30 - 130
Terphenyl-d14	91		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-3.0/5.0-XXX**

Lab Sample ID: 360-24417-15
Client Matrix: Solid
% Moisture: 18.9

Date Sampled: 09/02/2009 1330
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03063.D
Dilution:	1.0			Initial Weight/Volume:	30.07 g
Date Analyzed:	09/22/2009 0145			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		ND		12	41
1,2,4,5-Tetrachlorobenzene		ND		12	41
1,2,4-Trichlorobenzene		ND		12	41
1,2-Dichlorobenzene		ND		12	41
1,3-Dichlorobenzene		ND		12	41
1,4-Dichlorobenzene		ND		12	41
1-Methylnaphthalene		ND		12	41
2,2'-oxybis[1-chloropropane]		ND		12	41
2,3,4,6-Tetrachlorophenol		ND		12	41
2,4,5-Trichlorophenol		ND		12	41
2,4,6-Trichlorophenol		ND		12	41
2,4-Dichlorophenol		ND		12	41
2,4-Dimethylphenol		ND		16	41
2,4-Dinitrophenol		ND		12	41
2,4-Dinitrotoluene		ND		12	41
2,6-Dinitrotoluene		ND		12	41
2-Chloronaphthalene		ND		12	41
2-Chlorophenol		ND		12	41
2-Methylnaphthalene		ND		12	41
2-Methylphenol		ND		25	41
2-Nitroaniline		ND		12	210
2-Nitrophenol		ND		12	41
3 & 4 Methylphenol		ND		12	41
3,3'-Dichlorobenzidine		ND		12	82
3-Nitroaniline		ND		12	210
4,6-Dinitro-2-methylphenol		ND		12	210
4-Bromophenyl phenyl ether		ND		12	41
4-Chloro-3-methylphenol		ND		12	82
4-Chloroaniline		ND		12	82
4-Chlorophenyl phenyl ether		ND		12	41
4-Nitroaniline		ND		12	210
4-Nitrophenol		ND		12	210
Acenaphthene		ND		12	41
Acenaphthylene		ND		12	41
Acetophenone		ND		12	41
Aniline		ND		12	41
Anthracene		ND		12	41
Atrazine		ND		12	41
Azobenzene		ND		12	41
Benzaldehyde		ND		12	41
Benzo[a]anthracene		ND		12	41
Benzo[a]pyrene		ND		12	41
Benzo[b]fluoranthene		ND		12	41
Benzo[g,h,i]perylene		ND		12	41
Benzo[k]fluoranthene		ND		12	41
Benzoic acid		ND		18	210

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-3.0/5.0-XXX**

Lab Sample ID: 360-24417-15
Client Matrix: Solid
% Moisture: 18.9

Date Sampled: 09/02/2009 1330
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03063.D
Dilution:	1.0			Initial Weight/Volume:	30.07 g
Date Analyzed:	09/22/2009 0145			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzophenone		ND		12	41
Benzyl alcohol		ND		35	82
Bis(2-chloroethoxy)methane		ND		12	41
Bis(2-chloroethyl)ether		ND		12	41
Bis(2-ethylhexyl) phthalate		290		12	41
Butyl benzyl phthalate		ND		12	41
Caprolactam		ND		12	41
Carbazole		ND		12	41
Chrysene		ND		12	41
Dibenz(a,h)anthracene		ND		12	41
Dibenzofuran		ND		12	41
Diethyl phthalate		ND		12	41
Dimethyl phthalate		ND		12	41
Di-n-butyl phthalate		ND		36	41
Di-n-octyl phthalate		ND		21	41
Diphenyl oxide		ND		12	41
Diphenylamine		ND		12	41
Fluoranthene		ND		12	41
Fluorene		ND		12	41
Hexachlorobenzene		ND		12	41
Hexachlorobutadiene		ND		12	41
Hexachlorocyclopentadiene		ND		12	82
Hexachloroethane		ND		12	41
Indeno[1,2,3-cd]pyrene		ND		12	41
Isophorone		ND		12	41
Naphthalene		ND		12	98
Nitrobenzene		ND		12	41
N-Nitrosodimethylamine		ND		15	41
N-Nitrosodi-n-propylamine		ND		12	41
N-Nitrosodiphenylamine		ND		12	41
Pentachlorophenol		ND		12	41
Phenanthrene		ND		12	49
Phenol		ND		12	41
Pyrene		ND		12	41

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	68		30 - 130
2-Fluorophenol	62		30 - 130
2-Fluorobiphenyl	57		30 - 130
Nitrobenzene-d5	56		30 - 130
Phenol-d5	66		30 - 130
Terphenyl-d14	68		30 - 130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-3.0/5.0-XXX**

Lab Sample ID: 360-24417-15
Client Matrix: Solid
% Moisture: 18.9

Date Sampled: 09/02/2009 1330
Date Received: 09/02/2009 1710

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-49260		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-48924		Lab File ID:	J03063.D
Dilution:	1.0			Initial Weight/Volume:	30.07 g
Date Analyzed:	09/22/2009 0145			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	6.23	17	T J N
128-37-0	Butylated Hydroxytoluene	9.44	15	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	9.99	17	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.46	32	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	10.96	11	T J N
112-61-8	Octadecanoic acid, methyl ester	12.09	11	T J N
297-3-0	Cyclotetracosane	14.02	93	T J N
7683-64-9	Squalene	14.35	140	T J N
26603-23-6	p,p"-Dioctyldiphenylamine	14.82	910	T J N
83-47-6	.gamma.-Sitosterol	15.96	84	T J N

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-0.0/1.0-XXX**

Lab Sample ID: 360-24417-4
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 09/01/2009 1550
Date Received: 09/02/2009 1710

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-60685		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-60432		Lab File ID:	1I04I9.d
Dilution:	1.0			Initial Weight/Volume:	20.1 g
Date Analyzed:	09/04/2009 1522			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		270		82	110
Acetaldehyde		ND		31	210

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-26/28-XXX**

Lab Sample ID: 360-24417-5
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-60685		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-60432		Lab File ID:	1I04I10.d
Dilution:	1.0			Initial Weight/Volume:	20.1 g
Date Analyzed:	09/04/2009 1533			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		500		84	110
Acetaldehyde		ND		31	220

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-5.0/7.0-XXX**

Lab Sample ID: 360-24417-6
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-60685		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-60432		Lab File ID:	1I04I11.d
Dilution:	1.0			Initial Weight/Volume:	20.3 g
Date Analyzed:	09/04/2009 1545			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		280		88	110
Acetaldehyde		ND		33	220

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-0.0/1.0-XXX**

Lab Sample ID: 360-24417-7
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 09/02/2009 0735
Date Received: 09/02/2009 1710

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-60685		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-60432		Lab File ID:	1I04I12.d
Dilution:	1.0			Initial Weight/Volume:	20.4 g
Date Analyzed:	09/04/2009 1557			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		230		80	100
Acetaldehyde		ND		30	210

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-16/18-XXX**

Lab Sample ID: 360-24417-8
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/02/2009 0825
Date Received: 09/02/2009 1710

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-60685		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-60432		Lab File ID:	1I04I13.d
Dilution:	1.0			Initial Weight/Volume:	20.4 g
Date Analyzed:	09/04/2009 1609			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		250		85	110
Acetaldehyde		ND		31	220

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-DUP**

Lab Sample ID: 360-24417-9
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-60685		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-60432		Lab File ID:	1I04I14.d
Dilution:	1.0			Initial Weight/Volume:	20.4 g
Date Analyzed:	09/04/2009 1621			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		220		86	110
Acetaldehyde		ND		32	220

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-XXX**

Lab Sample ID: 360-24417-10
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-60685		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-60432		Lab File ID:	1I04I15.d
Dilution:	1.0			Initial Weight/Volume:	20.1 g
Date Analyzed:	09/04/2009 1632			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		270		88	110
Acetaldehyde		ND		33	220

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-0.0/1.0-XXX**

Lab Sample ID: 360-24417-11
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 09/02/2009 1005
Date Received: 09/02/2009 1710

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-60685		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-60432		Lab File ID:	1I04I19.d
Dilution:	1.0			Initial Weight/Volume:	20.4 g
Date Analyzed:	09/04/2009 1720			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		290		88	110
Acetaldehyde		ND		33	230

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-31/33-XXX**

Lab Sample ID: 360-24417-12
Client Matrix: Solid
% Moisture: 7.4

Date Sampled: 09/02/2009 1100
Date Received: 09/02/2009 1710

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-60685		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-60432		Lab File ID:	1I04I20.d
Dilution:	1.0			Initial Weight/Volume:	20.0 g
Date Analyzed:	09/04/2009 1732			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		510		84	110
Acetaldehyde		ND		31	220

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-8.0/10-XXX**

Lab Sample ID: 360-24417-13
Client Matrix: Solid
% Moisture: 12.8

Date Sampled: 09/02/2009 1010
Date Received: 09/02/2009 1710

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-60685		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-60432		Lab File ID:	1I04I21.d
Dilution:	1.0			Initial Weight/Volume:	20.0 g
Date Analyzed:	09/04/2009 1743			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		280		89	110
Acetaldehyde		ND		33	230

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-0.0/1.0-XXX**

Lab Sample ID: 360-24417-14
Client Matrix: Solid
% Moisture: 8.3

Date Sampled: 09/02/2009 1315
Date Received: 09/02/2009 1710

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-60685		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-60432		Lab File ID:	1I04I22.d
Dilution:	1.0			Initial Weight/Volume:	20.0 g
Date Analyzed:	09/04/2009 1755			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		210		85	110
Acetaldehyde		ND		32	220

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-3.0/5.0-XXX**

Lab Sample ID: 360-24417-15
Client Matrix: Solid
% Moisture: 18.9

Date Sampled: 09/02/2009 1330
Date Received: 09/02/2009 1710

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-60685		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-60432		Lab File ID:	1I04I23.d
Dilution:	1.0			Initial Weight/Volume:	20.6 g
Date Analyzed:	09/04/2009 1807			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		180		93	120
Acetaldehyde		ND		35	240

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-26/28-XXX**

Lab Sample ID: 360-24417-16
Client Matrix: Solid
% Moisture: 8.0

Date Sampled: 09/02/2009 1430
Date Received: 09/02/2009 1710

8315A Carbonyl Compounds (HPLC)

Method:	8315A	Analysis Batch: 640-60685		Instrument ID:	LCM
Preparation:	8315_S_Prep	Prep Batch: 640-60432		Lab File ID:	1I04I24.d
Dilution:	1.0			Initial Weight/Volume:	20.5 g
Date Analyzed:	09/04/2009 1819			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Formaldehyde		640		83	110
Acetaldehyde		ND		31	210

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-0.0/1.0-XXX**

Lab Sample ID: 360-24417-4
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 09/01/2009 1550
Date Received: 09/02/2009 1710

LC65 Maleic and Phthalic Acid (DAI/HLPC)

Method:	LC65	Analysis Batch: 640-60681		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-60434		Lab File ID:	1I09J6.d
Dilution:	1.0			Initial Weight/Volume:	5.30 g
Date Analyzed:	09/09/2009 1537			Final Weight/Volume:	4.0 mL
Date Prepared:	09/08/2009 0740			Injection Volume:	20 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		18	100

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-5.0/7.0-XXX**

Lab Sample ID: 360-24417-6
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

LC65 Maleic and Phthalic Acid (DAI/HLPC)

Method:	LC65	Analysis Batch: 640-60681		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-60434		Lab File ID:	1I09J8.d
Dilution:	1.0			Initial Weight/Volume:	5.00 g
Date Analyzed:	09/09/2009 1602			Final Weight/Volume:	4.0 mL
Date Prepared:	09/08/2009 0740			Injection Volume:	20 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		21	110

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-0.0/1.0-XXX**

Lab Sample ID: 360-24417-7
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 09/02/2009 0735
Date Received: 09/02/2009 1710

LC65 Maleic and Phthalic Acid (DAI/HLPC)

Method:	LC65	Analysis Batch: 640-60681		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-60434		Lab File ID:	1I09J9.d
Dilution:	1.0			Initial Weight/Volume:	5.34 g
Date Analyzed:	09/09/2009 1615			Final Weight/Volume:	4.0 mL
Date Prepared:	09/08/2009 0740			Injection Volume:	20 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		18	99

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-DUP**

Lab Sample ID: 360-24417-9
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

LC65 Maleic and Phthalic Acid (DAI/HLPC)

Method:	LC65	Analysis Batch: 640-60681		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-60434		Lab File ID:	1I09J11.d
Dilution:	1.0			Initial Weight/Volume:	5.36 g
Date Analyzed:	09/09/2009 1641			Final Weight/Volume:	4.0 mL
Date Prepared:	09/08/2009 0740			Injection Volume:	20 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		19	100

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-XXX**

Lab Sample ID: 360-24417-10
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

LC65 Maleic and Phthalic Acid (DAI/HLPC)

Method:	LC65	Analysis Batch: 640-60681		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-60434		Lab File ID:	1I09J12.d
Dilution:	1.0			Initial Weight/Volume:	5.11 g
Date Analyzed:	09/09/2009 1654			Final Weight/Volume:	4.0 mL
Date Prepared:	09/08/2009 0740			Injection Volume:	20 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		20	110

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-0.0/1.0-XXX**

Lab Sample ID: 360-24417-11
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 09/02/2009 1005
Date Received: 09/02/2009 1710

LC65 Maleic and Phthalic Acid (DAI/HLPC)

Method:	LC65	Analysis Batch: 640-60681		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-60434		Lab File ID:	1I09J15.d
Dilution:	1.0			Initial Weight/Volume:	5.12 g
Date Analyzed:	09/09/2009 1732			Final Weight/Volume:	4.0 mL
Date Prepared:	09/08/2009 0740			Injection Volume:	20 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		20	110

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-8.0/10-XXX**

Lab Sample ID: 360-24417-13
Client Matrix: Solid
% Moisture: 12.8

Date Sampled: 09/02/2009 1010
Date Received: 09/02/2009 1710

LC65 Maleic and Phthalic Acid (DAI/HLPC)

Method:	LC65	Analysis Batch: 640-60681		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-60434		Lab File ID:	1I09J17.d
Dilution:	1.0			Initial Weight/Volume:	5.34 g
Date Analyzed:	09/09/2009 1758			Final Weight/Volume:	4.0 mL
Date Prepared:	09/08/2009 0740			Injection Volume:	20 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		19	110

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-0.0/1.0-XXX**

Lab Sample ID: 360-24417-14
Client Matrix: Solid
% Moisture: 8.3

Date Sampled: 09/02/2009 1315
Date Received: 09/02/2009 1710

LC65 Maleic and Phthalic Acid (DAI/HLPC)

Method:	LC65	Analysis Batch: 640-60681		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-60434		Lab File ID:	1I09J19.d
Dilution:	1.0			Initial Weight/Volume:	5.36 g
Date Analyzed:	09/09/2009 1824			Final Weight/Volume:	4.0 mL
Date Prepared:	09/08/2009 0740			Injection Volume:	20 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		18	100

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-3.0/5.0-XXX**

Lab Sample ID: 360-24417-15
Client Matrix: Solid
% Moisture: 18.9

Date Sampled: 09/02/2009 1330
Date Received: 09/02/2009 1710

LC65 Maleic and Phthalic Acid (DAI/HLPC)

Method:	LC65	Analysis Batch: 640-60681		Instrument ID:	LCJ
Preparation:	LC65	Prep Batch: 640-60434		Lab File ID:	1I09J20.d
Dilution:	1.0			Initial Weight/Volume:	5.12 g
Date Analyzed:	09/09/2009 1837			Final Weight/Volume:	4.0 mL
Date Prepared:	09/08/2009 0740			Injection Volume:	20 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phthalic Acid/Phthalic anhydride		ND		22	120

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-463-0.0/1.0-XXX**

Lab Sample ID: 360-24417-1
Client Matrix: Solid
% Moisture: 3.8

Date Sampled: 09/01/2009 1300
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-48668		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-48596		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.55 g
Date Analyzed:	09/04/2009 1408			Final Weight/Volume:	100 mL
Date Prepared:	09/04/2009 0857				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5000		0.87	3.4
Antimony		ND		0.24	0.67
Arsenic		6.8		0.12	1.3
Barium		11	B	0.087	0.67
Beryllium		0.18	J	0.034	0.27
Cadmium		0.11	J	0.0094	0.27
Calcium		600	B	3.4	13
Chromium		14		0.089	0.67
Cobalt		2.9		0.087	0.67
Copper		4.1		0.087	1.3
Iron		7000	B	1.1	6.7
Lead		2.4		0.077	0.67
Magnesium		1000	B	0.67	13
Manganese		54		0.090	1.3
Nickel		5.0		0.087	1.3
Potassium		660		42	270
Selenium		ND		0.31	0.67
Silver		0.13	J	0.067	0.67
Sodium		22	J	17	130
Thallium		ND		0.097	1.3
Vanadium		7.6		0.087	1.3
Zinc		11		0.79	3.4
Tin		5.0	J B ^	0.43	6.7

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-48764		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-48671		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Date Analyzed:	09/09/2009 1346			Final Weight/Volume:	50 mL
Date Prepared:	09/08/2009 0829				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.025	0.14

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-463-6.0/8.0-XXX**

Lab Sample ID: 360-24417-3
Client Matrix: Solid
% Moisture: 15.9

Date Sampled: 09/01/2009 1310
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-48668		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-48596		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.77 g
Date Analyzed:	09/04/2009 1417			Final Weight/Volume:	100 mL
Date Prepared:	09/04/2009 0857				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4200		0.87	3.4
Antimony		ND		0.24	0.67
Arsenic		3.2		0.12	1.3
Barium		6.5	B	0.087	0.67
Beryllium		0.17	J	0.034	0.27
Cadmium		0.084	J	0.0094	0.27
Calcium		300	B	3.4	13
Chromium		5.9		0.089	0.67
Cobalt		2.1		0.087	0.67
Copper		2.7		0.087	1.3
Iron		5300	B	1.1	6.7
Lead		1.4		0.077	0.67
Magnesium		940	B	0.67	13
Manganese		33		0.090	1.3
Nickel		5.1		0.087	1.3
Potassium		450		42	270
Selenium		ND		0.31	0.67
Silver		ND		0.068	0.67
Sodium		ND		17	130
Thallium		ND		0.097	1.3
Vanadium		5.8		0.087	1.3
Zinc		12		0.79	3.4
Tin		1.9	J B ^	0.43	6.7

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-48764		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-48671		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.26 g
Date Analyzed:	09/09/2009 1349			Final Weight/Volume:	50 mL
Date Prepared:	09/08/2009 0829				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.031	0.17

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-0.0/1.0-XXX**

Lab Sample ID: 360-24417-4
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 09/01/2009 1550
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/04/2009 1420
Date Prepared: 09/04/2009 0857

Analysis Batch: 360-48668
Prep Batch: 360-48596

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.79 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5700		0.77	3.0
Antimony		ND		0.21	0.59
Arsenic		3.7		0.11	1.2
Barium		9.2	B	0.077	0.59
Beryllium		0.14	J	0.030	0.24
Cadmium		0.095	J	0.0083	0.24
Calcium		720	B	3.0	12
Chromium		20		0.079	0.59
Cobalt		2.0		0.077	0.59
Copper		3.4		0.077	1.2
Iron		6900	B	0.95	5.9
Lead		3.0		0.068	0.59
Magnesium		1200	B	0.59	12
Manganese		53		0.079	1.2
Nickel		7.6		0.077	1.2
Potassium		960		37	240
Selenium		ND		0.28	0.59
Silver		0.17	J	0.060	0.59
Sodium		31	J	15	120
Thallium		ND		0.086	1.2
Vanadium		8.3		0.077	1.2
Zinc		14		0.70	3.0
Tin		7.0	B ^	0.38	5.9

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 09/09/2009 1351
Date Prepared: 09/08/2009 0829

Analysis Batch: 360-48764
Prep Batch: 360-48671

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 0.27 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.027	0.15

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-464-5.0/7.0-XXX**

Lab Sample ID: 360-24417-6
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/04/2009 1422
Date Prepared: 09/04/2009 0857

Analysis Batch: 360-48668
Prep Batch: 360-48596

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.55 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2800		0.96	3.7
Antimony		ND		0.27	0.73
Arsenic		3.2		0.13	1.5
Barium		7.5	B	0.096	0.73
Beryllium		0.086	J	0.037	0.29
Cadmium		0.074	J	0.010	0.29
Calcium		990	B	3.7	15
Chromium		40		0.098	0.73
Cobalt		1.2		0.096	0.73
Copper		3.5		0.096	1.5
Iron		5200	B	1.2	7.3
Lead		3.1		0.084	0.73
Magnesium		780	B	0.73	15
Manganese		34		0.098	1.5
Nickel		6.3		0.096	1.5
Potassium		380		46	290
Selenium		ND		0.34	0.73
Silver		0.50	J	0.074	0.73
Sodium		22	J	19	150
Thallium		ND		0.11	1.5
Vanadium		5.7		0.096	1.5
Zinc		7.0		0.86	3.7
Tin		16	B ^	0.47	7.3

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 09/09/2009 1352
Date Prepared: 09/08/2009 0829

Analysis Batch: 360-48764
Prep Batch: 360-48671

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 0.29 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.052	J	0.027	0.15

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-0.0/1.0-XXX**

Lab Sample ID: 360-24417-7
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 09/02/2009 0735
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-48668		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-48596		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.71 g
Date Analyzed:	09/04/2009 1425			Final Weight/Volume:	100 mL
Date Prepared:	09/04/2009 0857				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		1500		0.80	3.1
Antimony		ND		0.22	0.62
Arsenic		2.2		0.11	1.2
Barium		5.9	B	0.080	0.62
Beryllium		0.053	J	0.031	0.25
Cadmium		0.099	J	0.0086	0.25
Calcium		530	B	3.1	12
Chromium		5.9		0.082	0.62
Cobalt		1.1		0.080	0.62
Copper		2.5		0.080	1.2
Iron		3600	B	0.98	6.2
Lead		1.2		0.070	0.62
Magnesium		640	B	0.62	12
Manganese		26		0.082	1.2
Nickel		3.7		0.080	1.2
Potassium		460		38	250
Selenium		ND		0.29	0.62
Silver		ND		0.062	0.62
Sodium		ND		16	120
Thallium		ND		0.089	1.2
Vanadium		4.6		0.080	1.2
Zinc		8.6		0.72	3.1
Tin		2.0	J B ^	0.39	6.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-48764		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-48671		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.29 g
Date Analyzed:	09/09/2009 1358			Final Weight/Volume:	50 mL
Date Prepared:	09/08/2009 0829				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.074	J	0.025	0.13

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-DUP**

Lab Sample ID: 360-24417-9
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/04/2009 1428
Date Prepared: 09/04/2009 0857

Analysis Batch: 360-48668
Prep Batch: 360-48596

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.70 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3600		0.86	3.3
Antimony		ND		0.24	0.66
Arsenic		2.4		0.12	1.3
Barium		5.2	B	0.086	0.66
Beryllium		0.11	J	0.033	0.26
Cadmium		0.071	J	0.0093	0.26
Calcium		510	B	3.3	13
Chromium		6.0		0.088	0.66
Cobalt		1.6		0.086	0.66
Copper		2.1		0.086	1.3
Iron		5000	B	1.1	6.6
Lead		0.99		0.076	0.66
Magnesium		900	B	0.66	13
Manganese		31		0.088	1.3
Nickel		5.3		0.086	1.3
Potassium		440		41	260
Selenium		ND		0.31	0.66
Silver		ND		0.067	0.66
Sodium		37	J	17	130
Thallium		ND		0.096	1.3
Vanadium		5.5		0.086	1.3
Zinc		7.4		0.78	3.3
Tin		2.0	J B ^	0.42	6.6

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 09/09/2009 1400
Date Prepared: 09/08/2009 0829

Analysis Batch: 360-48764
Prep Batch: 360-48671

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 0.24 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.032	0.17

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-465-8.0/10-XXX**

Lab Sample ID: 360-24417-10
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-48668		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-48596		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.53 g
Date Analyzed:	09/04/2009 1318			Final Weight/Volume:	100 mL
Date Prepared:	09/04/2009 0857				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3800		0.96	3.7
Antimony		0.46	J	0.27	0.74
Arsenic		2.5		0.13	1.5
Barium		5.6	B	0.096	0.74
Beryllium		0.12	J	0.037	0.30
Cadmium		0.084	J	0.010	0.30
Calcium		640	B	3.7	15
Chromium		6.8		0.098	0.74
Cobalt		1.7		0.096	0.74
Copper		2.2		0.096	1.5
Iron		5700	B	1.2	7.4
Lead		1.4		0.084	0.74
Magnesium		950	B	0.74	15
Manganese		33		0.099	1.5
Nickel		5.9		0.096	1.5
Potassium		630		46	300
Selenium		ND		0.35	0.74
Silver		ND		0.074	0.74
Sodium		37	J	19	150
Thallium		ND		0.11	1.5
Vanadium		6.4		0.096	1.5
Zinc		7.5		0.87	3.7
Tin		2.2	J B	0.47	7.4

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-48764		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-48671		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.26 g
Date Analyzed:	09/09/2009 1340			Final Weight/Volume:	50 mL
Date Prepared:	09/08/2009 0829				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.030	0.16

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-0.0/1.0-XXX**

Lab Sample ID: 360-24417-11
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 09/02/2009 1005
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/04/2009 1431
Date Prepared: 09/04/2009 0857

Analysis Batch: 360-48668
Prep Batch: 360-48596

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.85 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8700		0.81	3.1
Antimony		ND		0.23	0.62
Arsenic		5.1		0.11	1.2
Barium		10	B	0.081	0.62
Beryllium		0.24	J	0.031	0.25
Cadmium		0.094	J	0.0087	0.25
Calcium		3100	B	3.1	12
Chromium		11		0.083	0.62
Cobalt		1.8		0.081	0.62
Copper		2.7		0.081	1.2
Iron		5500	B	0.99	6.2
Lead		3.9		0.071	0.62
Magnesium		980	B	0.62	12
Manganese		48		0.083	1.2
Nickel		5.2		0.081	1.2
Potassium		510		39	250
Selenium		ND		0.29	0.62
Silver		ND		0.063	0.62
Sodium		53	J	16	120
Thallium		ND		0.090	1.2
Vanadium		8.9		0.081	1.2
Zinc		12		0.73	3.1
Tin		3.7	J B ^	0.40	6.2

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 09/09/2009 1402
Date Prepared: 09/08/2009 0829

Analysis Batch: 360-48764
Prep Batch: 360-48671

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 0.25 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.031	0.17

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-468-8.0/10-XXX**

Lab Sample ID: 360-24417-13
Client Matrix: Solid
% Moisture: 12.8

Date Sampled: 09/02/2009 1010
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-48668		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-48596		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.95 g
Date Analyzed:	09/04/2009 1434			Final Weight/Volume:	100 mL
Date Prepared:	09/04/2009 0857				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3800		0.76	2.9
Antimony		ND		0.21	0.59
Arsenic		1.0	J	0.11	1.2
Barium		5.7	B	0.076	0.59
Beryllium		0.088	J	0.029	0.24
Cadmium		0.047	J	0.0082	0.24
Calcium		630	B	2.9	12
Chromium		5.6		0.078	0.59
Cobalt		1.3		0.076	0.59
Copper		1.2		0.076	1.2
Iron		3500	B	0.94	5.9
Lead		1.0		0.067	0.59
Magnesium		890	B	0.59	12
Manganese		31		0.079	1.2
Nickel		4.9		0.076	1.2
Potassium		510		37	240
Selenium		ND		0.28	0.59
Silver		ND		0.059	0.59
Sodium		50	J	15	120
Thallium		ND		0.085	1.2
Vanadium		4.9		0.076	1.2
Zinc		6.4		0.69	2.9
Tin		1.8	J B ^	0.38	5.9

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-48764		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-48671		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Date Analyzed:	09/09/2009 1454			Final Weight/Volume:	50 mL
Date Prepared:	09/08/2009 0829				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.028	0.15

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-0.0/1.0-XXX**

Lab Sample ID: 360-24417-14
Client Matrix: Solid
% Moisture: 8.3

Date Sampled: 09/02/2009 1315
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-48668		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-48596		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.77 g
Date Analyzed:	09/04/2009 1437			Final Weight/Volume:	100 mL
Date Prepared:	09/04/2009 0857				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6600		0.80	3.1
Antimony		ND		0.22	0.62
Arsenic		5.7		0.11	1.2
Barium		9.6	B	0.080	0.62
Beryllium		0.20	J	0.031	0.25
Cadmium		0.13	J	0.0086	0.25
Calcium		1700	B	3.1	12
Chromium		14		0.082	0.62
Cobalt		2.1		0.080	0.62
Copper		5.6		0.080	1.2
Iron		7600	B	0.98	6.2
Lead		5.4		0.070	0.62
Magnesium		1100	B	0.62	12
Manganese		43		0.082	1.2
Nickel		5.5		0.080	1.2
Potassium		520		39	250
Selenium		ND		0.29	0.62
Silver		ND		0.062	0.62
Sodium		ND		16	120
Thallium		ND		0.089	1.2
Vanadium		9.6		0.080	1.2
Zinc		21		0.72	3.1
Tin		5.0	J B ^	0.39	6.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-48764		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-48671		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.27 g
Date Analyzed:	09/09/2009 1406			Final Weight/Volume:	50 mL
Date Prepared:	09/08/2009 0829				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.028	J	0.027	0.15

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Client Sample ID: **OC-SB-471-3.0/5.0-XXX**

Lab Sample ID: 360-24417-15
Client Matrix: Solid
% Moisture: 18.9

Date Sampled: 09/02/2009 1330
Date Received: 09/02/2009 1710

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/04/2009 1440
Date Prepared: 09/04/2009 0857

Analysis Batch: 360-48668
Prep Batch: 360-48596

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.64 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9500		0.98	3.8
Antimony		ND		0.27	0.75
Arsenic		4.3		0.14	1.5
Barium		5.8	B	0.098	0.75
Beryllium		0.20	J	0.038	0.30
Cadmium		0.14	J	0.011	0.30
Calcium		480	B	3.8	15
Chromium		7.9		0.10	0.75
Cobalt		1.6		0.098	0.75
Copper		1.6		0.098	1.5
Iron		7000	B	1.2	7.5
Lead		2.7		0.086	0.75
Magnesium		800	B	0.75	15
Manganese		27		0.10	1.5
Nickel		4.4		0.098	1.5
Potassium		330		47	300
Selenium		ND		0.35	0.75
Silver		0.081	J	0.076	0.75
Sodium		ND		20	150
Thallium		ND		0.11	1.5
Vanadium		9.2		0.098	1.5
Zinc		16		0.88	3.8
Tin		2.5	J B ^	0.48	7.5

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 09/09/2009 1408
Date Prepared: 09/08/2009 0829

Analysis Batch: 360-48764
Prep Batch: 360-48671

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 0.27 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.048	J	0.031	0.17

General Chemistry

Client Sample ID: **OC-SB-463-0.0/1.0-XXX**

Lab Sample ID: 360-24417-1
Client Matrix: Solid

Date Sampled: 09/01/2009 1300
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	54		mg/Kg	42	42	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1605						DryWt Corrected: Y
Ammonia	11		mg/Kg	6.4	6.4	1.0	L107-06-1B
Analysis Batch: 360-48967	Date Analyzed: 09/15/2009 0933						DryWt Corrected: Y
Prep Batch: 360-48918	Date Prepared: 09/14/2009 1126						
Percent Solids	96		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	21	21	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1605						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-463-28/30-XXX**

Lab Sample ID: 360-24417-2
Client Matrix: Solid

Date Sampled: 09/01/2009 1450
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	43	43	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1620						DryWt Corrected: Y
Ammonia	510		mg/Kg	7.8	7.8	1.0	L107-06-1B
Analysis Batch: 360-48967	Date Analyzed: 09/15/2009 0934						DryWt Corrected: Y
Prep Batch: 360-48918	Date Prepared: 09/14/2009 1126						
Percent Solids	91		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	22	22	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1620						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-463-6.0/8.0-XXX**

Lab Sample ID: 360-24417-3
Client Matrix: Solid

Date Sampled: 09/01/2009 1310
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	69		mg/Kg	48	48	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1635						DryWt Corrected: Y
Ammonia	ND		mg/Kg	8.3	8.3	1.0	L107-06-1B
Analysis Batch: 360-48967	Date Analyzed: 09/15/2009 0935						DryWt Corrected: Y
Prep Batch: 360-48918	Date Prepared: 09/14/2009 1126						
Percent Solids	84		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	24	24	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1635						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-464-0.0/1.0-XXX**

Lab Sample ID: 360-24417-4
Client Matrix: Solid

Date Sampled: 09/01/2009 1550
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	42	42	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1650						DryWt Corrected: Y
Ammonia	11		mg/Kg	7.0	7.0	1.0	L107-06-1B
Analysis Batch: 360-48967	Date Analyzed: 09/15/2009 0936						DryWt Corrected: Y
Prep Batch: 360-48918	Date Prepared: 09/14/2009 1126						
Percent Solids	94		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	21	21	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1650						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-464-26/28-XXX**

Lab Sample ID: 360-24417-5
Client Matrix: Solid

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	43	43	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1705						DryWt Corrected: Y
Ammonia	120		mg/Kg	6.4	6.4	1.0	L107-06-1B
Analysis Batch: 360-48967	Date Analyzed: 09/15/2009 0936						DryWt Corrected: Y
Prep Batch: 360-48918	Date Prepared: 09/14/2009 1126						
Percent Solids	93		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	31		mg/Kg	22	22	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1705						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-464-5.0/7.0-XXX**

Lab Sample ID: 360-24417-6
Client Matrix: Solid

Date Sampled: 09/01/2009 1650
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	45	45	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1720						DryWt Corrected: Y
Ammonia	11		mg/Kg	7.1	7.1	1.0	L107-06-1B
Analysis Batch: 360-49040	Date Analyzed: 09/16/2009 1337						DryWt Corrected: Y
Prep Batch: 360-48986	Date Prepared: 09/15/2009 1130						
Percent Solids	88		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	23	23	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1720						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-465-0.0/1.0-XXX**

Lab Sample ID: 360-24417-7
Client Matrix: Solid

Date Sampled: 09/02/2009 0735
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	41	41	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1735						DryWt Corrected: Y
Ammonia	ND		mg/Kg	6.7	6.7	1.0	L107-06-1B
Analysis Batch: 360-49040	Date Analyzed: 09/16/2009 1338						DryWt Corrected: Y
Prep Batch: 360-48986	Date Prepared: 09/15/2009 1130						
Total Organic Carbon	1100		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-48727	Date Analyzed: 09/08/2009 1250						DryWt Corrected: N
Percent Solids	95		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	21	21	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1735						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-465-16/18-XXX**

Lab Sample ID: 360-24417-8
Client Matrix: Solid

Date Sampled: 09/02/2009 0825
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	44	44	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1751						DryWt Corrected: Y
Ammonia	79		mg/Kg	7.0	7.0	1.0	L107-06-1B
Analysis Batch: 360-49040	Date Analyzed: 09/16/2009 1339						DryWt Corrected: Y
Prep Batch: 360-48986	Date Prepared: 09/15/2009 1130						
Total Organic Carbon	ND		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-48727	Date Analyzed: 09/08/2009 1317						DryWt Corrected: N
Percent Solids	90		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	22	22	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1751						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-465-8.0/10-DUP**

Lab Sample ID: 360-24417-9
Client Matrix: Solid

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	45	45	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1806						DryWt Corrected: Y
Ammonia	78		mg/Kg	6.8	6.8	1.0	L107-06-1B
Analysis Batch: 360-49040	Date Analyzed: 09/16/2009 1342						DryWt Corrected: Y
Prep Batch: 360-48986	Date Prepared: 09/15/2009 1130						
Total Organic Carbon	ND		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-48727	Date Analyzed: 09/08/2009 1348						DryWt Corrected: N
Percent Solids	89		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	22	22	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1806						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-465-8.0/10-XXX**

Lab Sample ID: 360-24417-10
Client Matrix: Solid

Date Sampled: 09/02/2009 0745
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	45	45	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1821						DryWt Corrected: Y
Ammonia	75		mg/Kg	7.2	7.2	1.0	L107-06-1B
Analysis Batch: 360-49040	Date Analyzed: 09/16/2009 1343						DryWt Corrected: Y
Prep Batch: 360-48986	Date Prepared: 09/15/2009 1130						
Total Organic Carbon	ND		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 360-48727	Date Analyzed: 09/08/2009 1417						DryWt Corrected: N
Percent Solids	88		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	23	23	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1821						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-468-0.0/1.0-XXX**

Lab Sample ID: 360-24417-11
Client Matrix: Solid

Date Sampled: 09/02/2009 1005
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	79		mg/Kg	45	45	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1936						DryWt Corrected: Y
Ammonia	55		mg/Kg	6.8	6.8	1.0	L107-06-1B
Analysis Batch: 360-49040	Date Analyzed: 09/16/2009 1346						DryWt Corrected: Y
Prep Batch: 360-48986	Date Prepared: 09/15/2009 1130						
Percent Solids	87		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	23	23	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1936						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-468-31/33-XXX**

Lab Sample ID: 360-24417-12
Client Matrix: Solid

Date Sampled: 09/02/2009 1100
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	390		mg/Kg	43	43	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1951						DryWt Corrected: Y
Ammonia	88		mg/Kg	5.7	5.7	1.0	L107-06-1B
Analysis Batch: 360-49040	Date Analyzed: 09/16/2009 1347						DryWt Corrected: Y
Prep Batch: 360-48986	Date Prepared: 09/15/2009 1130						
Percent Solids	93		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	21	21	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 1951						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-468-8.0/10-XXX**

Lab Sample ID: 360-24417-13
Client Matrix: Solid

Date Sampled: 09/02/2009 1010
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	46	46	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 2006						DryWt Corrected: Y
Ammonia	92		mg/Kg	7.8	7.8	1.0	L107-06-1B
Analysis Batch: 360-49040	Date Analyzed: 09/16/2009 1348						DryWt Corrected: Y
Prep Batch: 360-48986	Date Prepared: 09/15/2009 1130						
Percent Solids	87		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	23	23	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 2006						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-471-0.0/1.0-XXX**

Lab Sample ID: 360-24417-14
Client Matrix: Solid

Date Sampled: 09/02/2009 1315
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	44	44	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 2022						DryWt Corrected: Y
Ammonia	ND		mg/Kg	6.8	6.8	1.0	L107-06-1B
Analysis Batch: 360-49040	Date Analyzed: 09/16/2009 1348						DryWt Corrected: Y
Prep Batch: 360-48986	Date Prepared: 09/15/2009 1130						
Percent Solids	92		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	22	22	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 2022						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-471-3.0/5.0-XXX**

Lab Sample ID: 360-24417-15
Client Matrix: Solid

Date Sampled: 09/02/2009 1330
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Sulfate-Soluble	ND		mg/Kg	48	48	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 2037						DryWt Corrected: Y
Ammonia	ND		mg/Kg	6.4	6.4	1.0	L107-06-1B
Analysis Batch: 360-49040	Date Analyzed: 09/16/2009 1349						DryWt Corrected: Y
Prep Batch: 360-48986	Date Prepared: 09/15/2009 1130						
Percent Solids	81		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1451						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	24	24	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 2037						DryWt Corrected: Y

General Chemistry

Client Sample ID: **OC-SB-471-26/28-XXX**

Lab Sample ID: 360-24417-16
Client Matrix: Solid

Date Sampled: 09/02/2009 1430
Date Received: 09/02/2009 1710

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1453						DryWt Corrected: N
Sulfate-Soluble	63		mg/Kg	43	43	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 2052						DryWt Corrected: Y
Ammonia	100		mg/Kg	6.0	6.0	1.0	L107-06-1B
Analysis Batch: 360-49040	Date Analyzed: 09/16/2009 1350						DryWt Corrected: Y
Prep Batch: 360-48986	Date Prepared: 09/15/2009 1130						
Percent Solids	92		%	1.0	1.0	1.0	Moisture
Analysis Batch: 360-48551	Date Analyzed: 09/03/2009 1453						DryWt Corrected: N
Chloride-Soluble	ND		mg/Kg	21	21	1.0	300.0
Analysis Batch: 360-48962	Date Analyzed: 09/14/2009 2052						DryWt Corrected: Y

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	TOL %Rec	BFB %Rec
360-24417-1	OC-SB-463-0.0/1.0-XXX	105	101	100
360-24417-3	OC-SB-463-6.0/8.0-XXX	104	98	105
360-24417-4	OC-SB-464-0.0/1.0-XXX	102	100	101
360-24417-6	OC-SB-464-5.0/7.0-XXX	103	98	104
360-24417-7	OC-SB-465-0.0/1.0-XXX	101	101	97
360-24417-8	OC-SB-465-16/18-XXX	102	101	99
360-24417-9	OC-SB-465-8.0/10-DUP	102	98	104
360-24417-10	OC-SB-465-8.0/10-XXX	102	100	102
360-24417-11	OC-SB-468-0.0/1.0-XXX	89	100	99
360-24417-13	OC-SB-468-8.0/10-XXX	102	98	107
360-24417-14	OC-SB-471-0.0/1.0-XXX	96	101	97
360-24417-15	OC-SB-471-3.0/5.0-XXX	103	96	105
360-24417-17	OC-TBK-012	96	102	94
MB 360-48710/3-A		99	101	103
MB 360-48765/3-A		101	99	103
MB 360-48877/3-A		105	99	105
MB 360-48975/3-A		104	101	102
LCS 360-48710/1-A		98	100	101
LCS 360-48765/1-A		100	99	97
LCS 360-48877/1-A		99	101	96
LCS 360-48975/1-A		99	101	95
LCSD 360-48710/2-A		99	101	100

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	TOL %Rec	BFB %Rec
LCSD 360-48765/2-A		99	99	98
LCSD 360-48877/2-A		100	100	97
LCSD 360-48975/2-A		99	102	95
360-24417-10 MS	OC-SB-465-8.0/10-XX X MS	98	100	97
360-24417-10 MSD	OC-SB-465-8.0/10-XX X MSD	100	98	100

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

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
360-24417-1	OC-SB-463-0.0/1.0-XXX	70	69	69	58	62	57
360-24417-3	OC-SB-463-6.0/8.0-XXX	64	63	63	56	54	53
360-24417-4	OC-SB-464-0.0/1.0-XXX	73	71	67	60	61	59
360-24417-4	OC-SB-464-0.0/1.0-XXX	58	63	59	59	75	75
360-24417-6	OC-SB-464-5.0/7.0-XXX	63	62	61	54	55	54
360-24417-6	OC-SB-464-5.0/7.0-XXX	53	61	55	58	76	75
360-24417-7	OC-SB-465-0.0/1.0-XXX	69	76	69	68	85	78
360-24417-7	OC-SB-465-0.0/1.0-XXX	69	71	61	63	64	70
360-24417-9	OC-SB-465-8.0/10-DUP	62	68	62	62	76	80
360-24417-9	OC-SB-465-8.0/10-DUP	72	74	64	66	68	79
360-24417-10	OC-SB-465-8.0/10-XXX	75	79	66	69	66	75
360-24417-10	OC-SB-465-8.0/10-XXX	62	69	58	61	69	75
360-24417-11	OC-SB-468-0.0/1.0-XXX	80	72	72	63	54	64
360-24417-11	OC-SB-468-0.0/1.0-XXX	48	57	53	54	41	65
360-24417-13	OC-SB-468-8.0/10-XXX	66	68	58	62	60	73
360-24417-13	OC-SB-468-8.0/10-XXX	58	66	56	60	69	78
360-24417-14	OC-SB-471-0.0/1.0-XXX	87	76	75	66	70	77
360-24417-14	OC-SB-471-0.0/1.0-XXX	64	72	65	67	77	87

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: 360-24417-1
Sdg Number: OCRI-10

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
360-24417-15	OC-SB-471-3.0/5.0-XXX	62	66	56	57	68	68
360-24417-15	OC-SB-471-3.0/5.0-XXX	58	66	59	65	79	91
MB 360-48800/1-A		72	78	68	72	79	90
MB 360-48854/1-A		89	91	83	71	71	72
MB 360-48924/1-A		88	93	78	79	78	86
MB 360-48958/1-A		63	69	51	64	61	82
LCS 360-48800/2-A		56	59	70	72	85	84
LCS 360-48854/2-A		64	67	58	68	71	57
LCS 360-48924/2-A		66	70	79	78	84	82
LCS 360-48958/2-A		50	55	58	63	71	73
LCSD 360-48800/3-A		59	63	75	73	86	83
LCSD 360-48854/3-A		62	65	57	67	70	60
LCSD 360-48924/3-A		68	71	84	79	90	86
LCSD 360-48958/3-A		56	61	69	72	81	86
360-24417-10 MS	OC-SB-465-8.0/10-XXX MS	64	65	73	72	81	76
360-24417-10 MS	OC-SB-465-8.0/10-XXX MS	52	56	62	64	75	82
360-24417-10 MSD	OC-SB-465-8.0/10-XXX MSD	61	63	71	68	75	73
360-24417-10 MSD	OC-SB-465-8.0/10-XXX MSD	53	57	68	67	80	78

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: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48710

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-48710/3-A	Analysis Batch:	360-48711	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48710	Lab File ID:	V44802.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/08/2009 2138			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		1.0	2.5
1,1,1-Trichloroethane	ND		1.0	2.5
1,1,2,2-Tetrachloroethane	ND		1.0	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	12
1,1,2-Trichloroethane	ND		1.0	2.5
1,1-Dichloroethane	ND		1.0	2.5
1,1-Dichloroethene	ND		1.0	2.5
1,1-Dichloropropene	ND		1.0	2.5
1,2,3-Trichlorobenzene	ND		1.0	2.5
1,2,3-Trichloropropane	ND		1.5	2.5
1,2,4-Trichlorobenzene	ND		1.0	2.5
1,2,4-Trimethylbenzene	ND		1.0	2.5
1,2-Dibromo-3-Chloropropane	ND		1.8	25
Ethylene Dibromide	ND		1.0	2.5
1,2-Dichlorobenzene	ND		1.0	2.5
1,2-Dichloroethane	ND		1.0	2.5
Acetone	ND		18	250
1,2-Dichloropropane	ND		1.0	2.5
1,3,5-Trimethylbenzene	ND		1.0	2.5
1,3-Dichlorobenzene	ND		1.0	2.5
1,3-Dichloropropane	ND		1.0	2.5
1,4-Dichlorobenzene	ND		1.0	2.5
1,4-Dioxane	ND		33	250
2,2-Dichloropropane	ND		1.0	2.5
2,4,4-Trimethyl-1-pentene	ND		1.0	5.0
2,4,4-Trimethyl-2-pentene	ND		1.0	5.0
2-Chlorotoluene	ND		1.0	2.5
2-Hexanone	ND		5.1	25
4-Chlorotoluene	ND		1.0	2.5
Benzene	ND		1.0	2.5
Bromobenzene	ND		1.0	2.5
Chlorobromomethane	ND		1.0	2.5
Dichlorobromomethane	ND		1.0	2.5
Bromoform	ND		1.0	2.5
Bromomethane	ND		1.0	5.0
n-Butylbenzene	ND		1.0	2.5
Carbon disulfide	ND		1.0	2.5
Carbon tetrachloride	ND		1.0	2.5
Chlorobenzene	ND		1.0	2.5
Chloroethane	ND		1.0	5.0
Chloroform	ND		1.0	2.5

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48710

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-48710/3-A	Analysis Batch:	360-48711	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48710	Lab File ID:	V44802.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/08/2009 2138			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

Analyte	Result	Qual	MDL	RL
Chloromethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		1.0	2.5
cis-1,3-Dichloropropene	ND		1.0	2.5
Cyclohexane	ND		2.6	25
Chlorodibromomethane	ND		1.0	2.5
Dibromomethane	ND		1.0	2.5
Dichlorodifluoromethane	ND		1.0	5.0
Ethyl ether	ND		1.0	2.5
Isopropyl ether	ND		1.0	2.5
Tert-butyl ethyl ether	ND		2.5	2.5
Ethylbenzene	ND		1.0	2.5
Hexachlorobutadiene	ND		1.0	2.5
Isopropylbenzene	ND		1.0	2.5
Methyl acetate	ND		16	50
2-Butanone (MEK)	ND		6.7	25
4-Methyl-2-pentanone (MIBK)	ND		5.2	25
Methyl tert-butyl ether	ND		1.0	2.5
Methylcyclohexane	ND		1.0	2.5
Methylene Chloride	ND		4.8	10
m-Xylene & p-Xylene	ND		1.0	5.0
Naphthalene	1.16	J	1.0	25
N-Propylbenzene	ND		1.0	2.5
o-Xylene	ND		1.0	2.5
4-Isopropyltoluene	ND		1.0	2.5
sec-Butylbenzene	ND		1.0	2.5
Styrene	ND		1.0	2.5
Tert-amyl methyl ether	ND		1.0	2.5
tert-Butylbenzene	ND		1.0	2.5
Tetrachloroethene	ND		1.0	2.5
Tetrahydrofuran	ND		5.5	25
Toluene	ND		1.0	2.5
trans-1,2-Dichloroethene	ND		1.0	2.5
trans-1,3-Dichloropropene	ND		1.0	2.5
Trichloroethene	ND		1.0	2.5
Trichlorofluoromethane	ND		1.0	5.0
Vinyl chloride	ND		1.0	2.5

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	103	70 - 130
Dibromofluoromethane	99	70 - 130
Toluene-d8 (Surr)	101	70 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank TICs- Batch: 360-48710

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48710

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48710/1-A	Analysis Batch:	360-48711	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48710	Lab File ID:	V44799.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/08/2009 2026			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

LCSD Lab Sample ID:	LCSD 360-48710/2-A	Analysis Batch:	360-48711	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48710	Lab File ID:	V44800.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/08/2009 2050			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	105	108	70 - 130	3	25		
1,1,1-Trichloroethane	95	96	70 - 130	1	25		
1,1,2,2-Tetrachloroethane	89	98	70 - 130	9	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	95	92	70 - 130	3	25		
1,1,2-Trichloroethane	90	101	70 - 130	12	25		
1,1-Dichloroethane	104	106	70 - 130	2	25		
1,1-Dichloroethene	100	99	70 - 130	1	25		
1,1-Dichloropropene	95	96	70 - 130	1	25		
1,2,3-Trichlorobenzene	100	106	70 - 130	5	25		
1,2,3-Trichloropropane	107	119	70 - 130	10	25		
1,2,4-Trichlorobenzene	100	105	70 - 130	5	25		
1,2,4-Trimethylbenzene	100	100	70 - 130	0	25		
1,2-Dibromo-3-Chloropropane	87	99	70 - 130	12	25		
Ethylene Dibromide	91	100	70 - 130	10	25		
1,2-Dichlorobenzene	96	100	70 - 130	5	25		
1,2-Dichloroethane	93	100	70 - 130	7	25		
Acetone	84	83	70 - 130	2	25		
1,2-Dichloropropane	107	111	70 - 130	4	25		
1,3,5-Trimethylbenzene	104	103	70 - 130	0	25		
1,3-Dichlorobenzene	101	101	70 - 130	0	25		
1,3-Dichloropropane	92	99	70 - 130	7	25		
1,4-Dichlorobenzene	98	102	70 - 130	4	25		
1,4-Dioxane	97	91	70 - 130	7	25		
2,2-Dichloropropane	110	109	70 - 130	0	25		
2,4,4-Trimethyl-1-pentene	111	109	70 - 130	1	25		
2,4,4-Trimethyl-2-pentene	100	99	70 - 130	2	25		
2-Chlorotoluene	101	101	70 - 130	0	25		
2-Hexanone	80	93	70 - 130	15	25		
4-Chlorotoluene	104	104	70 - 130	0	25		
Benzene	98	100	70 - 130	2	25		
Bromobenzene	99	101	70 - 130	2	25		
Chlorobromomethane	94	100	70 - 130	5	25		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48710

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48710/1-A	Analysis Batch:	360-48711	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48710	Lab File ID:	V44799.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/08/2009 2026			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

LCSD Lab Sample ID:	LCSD 360-48710/2-A	Analysis Batch:	360-48711	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48710	Lab File ID:	V44800.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/08/2009 2050			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorobromomethane	95	101	70 - 130	7	25		
Bromoform	86	92	70 - 130	7	25		
Bromomethane	102	104	70 - 130	2	25		
n-Butylbenzene	100	101	70 - 130	1	25		
Carbon disulfide	98	98	70 - 130	0	25		
Carbon tetrachloride	95	94	70 - 130	2	25		
Chlorobenzene	101	103	70 - 130	2	25		
Chloroethane	105	104	70 - 130	1	25		
Chloroform	103	103	70 - 130	0	25		
Chloromethane	96	97	70 - 130	1	25		
cis-1,2-Dichloroethene	99	100	70 - 130	1	25		
cis-1,3-Dichloropropene	93	98	70 - 130	6	25		
Cyclohexane	101	92	70 - 130	9	25		
Chlorodibromomethane	91	97	70 - 130	7	25		
Dibromomethane	91	99	70 - 130	8	25		
Dichlorodifluoromethane	61	62	70 - 130	2	25	*	*
Ethyl ether	101	110	70 - 130	9	25		
Isopropyl ether	95	99	70 - 130	4	25		
Tert-butyl ethyl ether	95	101	70 - 130	6	25		
Ethylbenzene	107	105	70 - 130	1	25		
Hexachlorobutadiene	99	100	70 - 130	1	25		
Isopropylbenzene	103	103	70 - 130	0	25		
Methyl acetate	107	104	70 - 130	2	25		
2-Butanone (MEK)	86	95	70 - 130	10	25		
4-Methyl-2-pentanone (MIBK)	85	94	70 - 130	11	25		
Methyl tert-butyl ether	89	98	70 - 130	9	25		
Methylcyclohexane	101	94	70 - 130	8	25		
Methylene Chloride	104	107	70 - 130	3	25		
m-Xylene & p-Xylene	101	100	70 - 130	0	25		
Naphthalene	91	101	70 - 130	10	25		
N-Propylbenzene	103	103	70 - 130	0	25		
o-Xylene	102	101	70 - 130	0	25		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48710

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48710/1-A	Analysis Batch:	360-48711	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48710	Lab File ID:	V44799.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/08/2009 2026			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

LCSD Lab Sample ID:	LCSD 360-48710/2-A	Analysis Batch:	360-48711	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48710	Lab File ID:	V44800.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/08/2009 2050			Final Weight/Volume:	5 g
Date Prepared:	09/08/2009 1551				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4-Isopropyltoluene	106	105	70 - 130	1	25		
sec-Butylbenzene	103	103	70 - 130	0	25		
Styrene	100	102	70 - 130	2	25		
Tert-amyl methyl ether	94	101	70 - 130	8	25		
tert-Butylbenzene	106	106	70 - 130	0	25		
Tetrachloroethene	100	100	70 - 130	1	25		
Tetrahydrofuran	97	109	70 - 130	11	25		
Toluene	100	102	70 - 130	2	25		
trans-1,2-Dichloroethene	95	96	70 - 130	0	25		
trans-1,3-Dichloropropene	92	102	70 - 130	10	25		
Trichloroethene	98	100	70 - 130	2	25		
Trichlorofluoromethane	93	93	70 - 130	0	25		
Vinyl chloride	98	97	70 - 130	1	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	101	100	70 - 130
Dibromofluoromethane	98	99	70 - 130
Toluene-d8 (Surr)	100	101	70 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48710

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48710/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48710/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/08/2009 2026			Date Analyzed:	09/08/2009 2050
Date Prepared:	09/08/2009 1551			Date Prepared:	09/08/2009 1551

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1,2-Tetrachloroethane	100	100	105	108
1,1,1-Trichloroethane	100	100	95.2	95.9
1,1,2,2-Tetrachloroethane	100	100	89.3	97.6
1,1,2-Trichloro-1,2,2-trifluoroethane	100	100	94.7	92.3
1,1,2-Trichloroethane	100	100	89.6	101
1,1-Dichloroethane	100	100	104	106
1,1-Dichloroethene	100	100	100	98.9
1,1-Dichloropropene	100	100	94.7	95.6
1,2,3-Trichlorobenzene	100	100	100	106
1,2,3-Trichloropropane	100	100	107	119
1,2,4-Trichlorobenzene	100	100	99.7	105
1,2,4-Trimethylbenzene	100	100	100	100
1,2-Dibromo-3-Chloropropane	100	100	87.3	98.8
Ethylene Dibromide	100	100	90.7	100
1,2-Dichlorobenzene	100	100	95.8	100
1,2-Dichloroethane	100	100	93.0	100
Acetone	1000	1000	840	826
1,2-Dichloropropane	100	100	107	111
1,3,5-Trimethylbenzene	100	100	104	103
1,3-Dichlorobenzene	100	100	101	101
1,3-Dichloropropane	100	100	92.1	99.0
1,4-Dichlorobenzene	100	100	98.0	102
1,4-Dioxane	1000	1000	974	912
2,2-Dichloropropane	100	100	110	109
2,4,4-Trimethyl-1-pentene	100	100	111	109
2,4,4-Trimethyl-2-pentene	100	100	100	98.7
2-Chlorotoluene	100	100	101	101
2-Hexanone	1000	1000	802	931
4-Chlorotoluene	100	100	104	104
Benzene	100	100	98.0	99.6
Bromobenzene	100	100	98.9	101
Chlorobromomethane	100	100	94.4	99.8
Dichlorobromomethane	100	100	94.5	101
Bromoform	100	100	85.7	92.1
Bromomethane	100	100	102	104
n-Butylbenzene	100	100	100	101
Carbon disulfide	100	100	98.4	98.0
Carbon tetrachloride	100	100	95.2	93.5
Chlorobenzene	100	100	101	103

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48710

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48710/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48710/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/08/2009 2026			Date Analyzed:	09/08/2009 2050
Date Prepared:	09/08/2009 1551			Date Prepared:	09/08/2009 1551

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Chloroethane	100	100	105		104	
Chloroform	100	100	103		103	
Chloromethane	100	100	96.4		97.3	
cis-1,2-Dichloroethene	100	100	98.8		100	
cis-1,3-Dichloropropene	100	100	93.0		98.3	
Cyclohexane	100	100	101		92.1	
Chlorodibromomethane	100	100	90.5		97.1	
Dibromomethane	100	100	91.2		98.7	
Dichlorodifluoromethane	100	100	61.0	*	62.4	*
Ethyl ether	100	100	101		110	
Isopropyl ether	100	100	94.6		98.8	
Tert-butyl ethyl ether	100	100	94.6		101	
Ethylbenzene	100	100	107		105	
Hexachlorobutadiene	100	100	98.6		99.9	
Isopropylbenzene	100	100	103		103	
Methyl acetate	1000	1000	1070		1040	
2-Butanone (MEK)	1000	1000	861		949	
4-Methyl-2-pentanone (MIBK)	1000	1000	847		945	
Methyl tert-butyl ether	100	100	89.4		98.1	
Methylcyclohexane	100	100	101		93.6	
Methylene Chloride	100	100	104		107	
m-Xylene & p-Xylene	200	200	201		201	
Naphthalene	100	100	90.9		101	
N-Propylbenzene	100	100	103		103	
o-Xylene	100	100	102		101	
4-Isopropyltoluene	100	100	106		105	
sec-Butylbenzene	100	100	103		103	
Styrene	100	100	100		102	
Tert-amyl methyl ether	100	100	93.6		101	
tert-Butylbenzene	100	100	106		106	
Tetrachloroethene	100	100	99.6		100	
Tetrahydrofuran	1000	1000	970		1090	
Toluene	100	100	100		102	
trans-1,2-Dichloroethene	100	100	95.2		95.5	
trans-1,3-Dichloropropene	100	100	92.4		102	
Trichloroethene	100	100	98.1		99.9	
Trichlorofluoromethane	100	100	93.1		93.2	
Vinyl chloride	100	100	97.8		96.6	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48765

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-48765/3-A	Analysis Batch:	360-48767	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48765	Lab File ID:	V44843.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/09/2009 1905			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		1.0	2.5
1,1,1-Trichloroethane	ND		1.0	2.5
1,1,2,2-Tetrachloroethane	ND		1.0	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	12
1,1,2-Trichloroethane	ND		1.0	2.5
1,1-Dichloroethane	ND		1.0	2.5
1,1-Dichloroethene	ND		1.0	2.5
1,1-Dichloropropene	ND		1.0	2.5
1,2,3-Trichlorobenzene	ND		1.0	2.5
1,2,3-Trichloropropane	ND		1.5	2.5
1,2,4-Trichlorobenzene	ND		1.0	2.5
1,2,4-Trimethylbenzene	ND		1.0	2.5
1,2-Dibromo-3-Chloropropane	ND		1.8	25
Ethylene Dibromide	ND		1.0	2.5
1,2-Dichlorobenzene	ND		1.0	2.5
1,2-Dichloroethane	ND		1.0	2.5
Acetone	ND		18	250
1,2-Dichloropropane	ND		1.0	2.5
1,3,5-Trimethylbenzene	ND		1.0	2.5
1,3-Dichlorobenzene	ND		1.0	2.5
1,3-Dichloropropane	ND		1.0	2.5
1,4-Dichlorobenzene	ND		1.0	2.5
1,4-Dioxane	ND		33	250
2,2-Dichloropropane	ND		1.0	2.5
2,4,4-Trimethyl-1-pentene	ND		1.0	5.0
2,4,4-Trimethyl-2-pentene	ND		1.0	5.0
2-Chlorotoluene	ND		1.0	2.5
2-Hexanone	ND		5.1	25
4-Chlorotoluene	ND		1.0	2.5
Benzene	ND		1.0	2.5
Bromobenzene	ND		1.0	2.5
Chlorobromomethane	ND		1.0	2.5
Dichlorobromomethane	ND		1.0	2.5
Bromoform	ND		1.0	2.5
Bromomethane	ND		1.0	5.0
n-Butylbenzene	ND		1.0	2.5
Carbon disulfide	ND		1.0	2.5
Carbon tetrachloride	ND		1.0	2.5
Chlorobenzene	ND		1.0	2.5
Chloroethane	ND		1.0	5.0
Chloroform	ND		1.0	2.5

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48765

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-48765/3-A	Analysis Batch:	360-48767	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48765	Lab File ID:	V44843.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/09/2009 1905			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

Analyte	Result	Qual	MDL	RL
Chloromethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		1.0	2.5
cis-1,3-Dichloropropene	ND		1.0	2.5
Cyclohexane	ND		2.6	25
Chlorodibromomethane	ND		1.0	2.5
Dibromomethane	ND		1.0	2.5
Dichlorodifluoromethane	ND		1.0	5.0
Ethyl ether	ND		1.0	2.5
Isopropyl ether	ND		1.0	2.5
Tert-butyl ethyl ether	ND		2.5	2.5
Ethylbenzene	ND		1.0	2.5
Hexachlorobutadiene	ND		1.0	2.5
Isopropylbenzene	ND		1.0	2.5
Methyl acetate	ND		16	50
2-Butanone (MEK)	ND		6.7	25
4-Methyl-2-pentanone (MIBK)	ND		5.2	25
Methyl tert-butyl ether	ND		1.0	2.5
Methylcyclohexane	ND		1.0	2.5
Methylene Chloride	5.03	J	4.8	10
m-Xylene & p-Xylene	ND		1.0	5.0
Naphthalene	ND		1.0	25
N-Propylbenzene	ND		1.0	2.5
o-Xylene	ND		1.0	2.5
4-Isopropyltoluene	ND		1.0	2.5
sec-Butylbenzene	ND		1.0	2.5
Styrene	ND		1.0	2.5
Tert-amyl methyl ether	ND		1.0	2.5
tert-Butylbenzene	ND		1.0	2.5
Tetrachloroethene	ND		1.0	2.5
Tetrahydrofuran	ND		5.5	25
Toluene	ND		1.0	2.5
trans-1,2-Dichloroethene	ND		1.0	2.5
trans-1,3-Dichloropropene	ND		1.0	2.5
Trichloroethene	ND		1.0	2.5
Trichlorofluoromethane	ND		1.0	5.0
Vinyl chloride	ND		1.0	2.5

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	103	70 - 130
Dibromofluoromethane	101	70 - 130
Toluene-d8 (Surr)	99	70 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank TICs- Batch: 360-48765

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	12.79	2.16	T J

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48765

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48765/1-A	Analysis Batch:	360-48767	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48765	Lab File ID:	V44838.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/09/2009 1706			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

LCSD Lab Sample ID:	LCSD 360-48765/2-A	Analysis Batch:	360-48767	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48765	Lab File ID:	V44839.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/09/2009 1730			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	96	102	70 - 130	6	25		
1,1,1-Trichloroethane	90	96	70 - 130	6	25		
1,1,2,2-Tetrachloroethane	90	91	70 - 130	2	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	91	97	70 - 130	7	25		
1,1,2-Trichloroethane	93	94	70 - 130	1	25		
1,1-Dichloroethane	97	102	70 - 130	4	25		
1,1-Dichloroethene	95	101	70 - 130	6	25		
1,1-Dichloropropene	91	95	70 - 130	5	25		
1,2,3-Trichlorobenzene	101	108	70 - 130	7	25		
1,2,3-Trichloropropane	110	114	70 - 130	4	25		
1,2,4-Trichlorobenzene	99	105	70 - 130	6	25		
1,2,4-Trimethylbenzene	91	99	70 - 130	8	25		
1,2-Dibromo-3-Chloropropane	94	98	70 - 130	4	25		
Ethylene Dibromide	95	95	70 - 130	0	25		
1,2-Dichlorobenzene	92	96	70 - 130	4	25		
1,2-Dichloroethane	92	95	70 - 130	3	25		
Acetone	92	88	70 - 130	5	25		
1,2-Dichloropropane	100	105	70 - 130	5	25		
1,3,5-Trimethylbenzene	94	102	70 - 130	8	25		
1,3-Dichlorobenzene	94	100	70 - 130	6	25		
1,3-Dichloropropane	91	92	70 - 130	1	25		
1,4-Dichlorobenzene	94	98	70 - 130	4	25		
1,4-Dioxane	92	85	70 - 130	9	25		
2,2-Dichloropropane	105	112	70 - 130	6	25		
2,4,4-Trimethyl-1-pentene	104	114	70 - 130	9	25		
2,4,4-Trimethyl-2-pentene	96	102	70 - 130	7	25		
2-Chlorotoluene	91	97	70 - 130	7	25		
2-Hexanone	89	90	70 - 130	2	25		
4-Chlorotoluene	93	100	70 - 130	7	25		
Benzene	92	96	70 - 130	5	25		
Bromobenzene	91	96	70 - 130	5	25		
Chlorobromomethane	95	97	70 - 130	3	25		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48765

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48765/1-A	Analysis Batch:	360-48767	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48765	Lab File ID:	V44838.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/09/2009 1706			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

LCSD Lab Sample ID:	LCSD 360-48765/2-A	Analysis Batch:	360-48767	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48765	Lab File ID:	V44839.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/09/2009 1730			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorobromomethane	92	94	70 - 130	2	25		
Bromoform	86	85	70 - 130	1	25		
Bromomethane	99	106	70 - 130	7	25		
n-Butylbenzene	95	99	70 - 130	5	25		
Carbon disulfide	92	96	70 - 130	5	25		
Carbon tetrachloride	90	96	70 - 130	6	25		
Chlorobenzene	93	98	70 - 130	4	25		
Chloroethane	96	103	70 - 130	7	25		
Chloroform	95	100	70 - 130	5	25		
Chloromethane	89	98	70 - 130	9	25		
cis-1,2-Dichloroethene	93	96	70 - 130	4	25		
cis-1,3-Dichloropropene	90	92	70 - 130	2	25		
Cyclohexane	98	98	70 - 130	0	25		
Chlorodibromomethane	89	91	70 - 130	3	25		
Dibromomethane	90	93	70 - 130	3	25		
Dichlorodifluoromethane	61	67	70 - 130	9	25	*	*
Ethyl ether	103	101	70 - 130	1	25		
Isopropyl ether	92	95	70 - 130	3	25		
Tert-butyl ethyl ether	95	98	70 - 130	3	25		
Ethylbenzene	96	101	70 - 130	6	25		
Hexachlorobutadiene	93	99	70 - 130	6	25		
Isopropylbenzene	94	101	70 - 130	7	25		
Methyl acetate	107	102	70 - 130	4	25		
2-Butanone (MEK)	93	90	70 - 130	3	25		
4-Methyl-2-pentanone (MIBK)	92	94	70 - 130	2	25		
Methyl tert-butyl ether	92	95	70 - 130	3	25		
Methylcyclohexane	100	100	70 - 130	0	25		
Methylene Chloride	102	105	70 - 130	3	25		
m-Xylene & p-Xylene	91	96	70 - 130	6	25		
Naphthalene	95	100	70 - 130	5	25		
N-Propylbenzene	94	99	70 - 130	6	25		
o-Xylene	91	98	70 - 130	6	25		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48765

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48765/1-A	Analysis Batch:	360-48767	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48765	Lab File ID:	V44838.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/09/2009 1706			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

LCSD Lab Sample ID:	LCSD 360-48765/2-A	Analysis Batch:	360-48767	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48765	Lab File ID:	V44839.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/09/2009 1730			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4-Isopropyltoluene	99	106	70 - 130	7	25		
sec-Butylbenzene	96	103	70 - 130	7	25		
Styrene	92	97	70 - 130	5	25		
Tert-amyl methyl ether	97	100	70 - 130	3	25		
tert-Butylbenzene	97	105	70 - 130	8	25		
Tetrachloroethene	96	99	70 - 130	3	25		
Tetrahydrofuran	103	105	70 - 130	2	25		
Toluene	93	97	70 - 130	4	25		
trans-1,2-Dichloroethene	88	93	70 - 130	5	25		
trans-1,3-Dichloropropene	93	92	70 - 130	1	25		
Trichloroethene	93	99	70 - 130	6	25		
Trichlorofluoromethane	92	99	70 - 130	7	25		
Vinyl chloride	92	98	70 - 130	7	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	98	70 - 130
Dibromofluoromethane	100	99	70 - 130
Toluene-d8 (Surr)	99	99	70 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48765

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48765/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48765/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/09/2009 1706			Date Analyzed:	09/09/2009 1730
Date Prepared:	09/09/2009 1557			Date Prepared:	09/09/2009 1557

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1,2-Tetrachloroethane	100	100	96.3	102
1,1,1-Trichloroethane	100	100	90.5	95.9
1,1,2,2-Tetrachloroethane	100	100	89.9	91.5
1,1,2-Trichloro-1,2,2-trifluoroethane	100	100	90.6	97.0
1,1,2-Trichloroethane	100	100	92.8	93.7
1,1-Dichloroethane	100	100	97.2	102
1,1-Dichloroethene	100	100	94.9	101
1,1-Dichloropropene	100	100	91.0	95.2
1,2,3-Trichlorobenzene	100	100	101	108
1,2,3-Trichloropropane	100	100	110	114
1,2,4-Trichlorobenzene	100	100	98.9	105
1,2,4-Trimethylbenzene	100	100	91.4	98.6
1,2-Dibromo-3-Chloropropane	100	100	93.9	97.7
Ethylene Dibromide	100	100	94.6	95.0
1,2-Dichlorobenzene	100	100	92.2	96.4
1,2-Dichloroethane	100	100	92.0	95.0
Acetone	1000	1000	918	877
1,2-Dichloropropane	100	100	100	105
1,3,5-Trimethylbenzene	100	100	94.0	102
1,3-Dichlorobenzene	100	100	94.1	100
1,3-Dichloropropane	100	100	91.3	92.2
1,4-Dichlorobenzene	100	100	93.8	97.8
1,4-Dioxane	1000	1000	923	846
2,2-Dichloropropane	100	100	105	112
2,4,4-Trimethyl-1-pentene	100	100	104	114
2,4,4-Trimethyl-2-pentene	100	100	95.9	102
2-Chlorotoluene	100	100	90.7	97.1
2-Hexanone	1000	1000	887	902
4-Chlorotoluene	100	100	93.4	99.7
Benzene	100	100	91.6	95.9
Bromobenzene	100	100	91.1	95.5
Chlorobromomethane	100	100	94.5	97.5
Dichlorobromomethane	100	100	91.8	93.8
Bromoform	100	100	86.1	85.1
Bromomethane	100	100	98.6	106
n-Butylbenzene	100	100	94.7	99.3
Carbon disulfide	100	100	92.1	96.5
Carbon tetrachloride	100	100	90.4	95.8
Chlorobenzene	100	100	93.4	97.6

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48765

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48765/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48765/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/09/2009 1706			Date Analyzed:	09/09/2009 1730
Date Prepared:	09/09/2009 1557			Date Prepared:	09/09/2009 1557

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Chloroethane	100	100	95.9		103	
Chloroform	100	100	95.4		100	
Chloromethane	100	100	89.5		98.2	
cis-1,2-Dichloroethene	100	100	92.7		96.2	
cis-1,3-Dichloropropene	100	100	89.9		91.6	
Cyclohexane	100	100	97.8		98.3	
Chlorodibromomethane	100	100	88.6		91.1	
Dibromomethane	100	100	89.7		92.7	
Dichlorodifluoromethane	100	100	61.0	*	66.6	*
Ethyl ether	100	100	103		101	
Isopropyl ether	100	100	91.8		94.9	
Tert-butyl ethyl ether	100	100	94.7		97.8	
Ethylbenzene	100	100	95.6		101	
Hexachlorobutadiene	100	100	93.3		99.3	
Isopropylbenzene	100	100	94.4		101	
Methyl acetate	1000	1000	1070		1020	
2-Butanone (MEK)	1000	1000	930		903	
4-Methyl-2-pentanone (MIBK)	1000	1000	920		942	
Methyl tert-butyl ether	100	100	92.4		95.2	
Methylcyclohexane	100	100	99.8		99.6	
Methylene Chloride	100	100	102		105	
m-Xylene & p-Xylene	200	200	182		192	
Naphthalene	100	100	95.1		99.9	
N-Propylbenzene	100	100	93.8		99.5	
o-Xylene	100	100	91.4		97.5	
4-Isopropyltoluene	100	100	99.2		106	
sec-Butylbenzene	100	100	95.6		103	
Styrene	100	100	92.3		96.7	
Tert-amyl methyl ether	100	100	96.6		99.7	
tert-Butylbenzene	100	100	97.2		105	
Tetrachloroethene	100	100	96.0		99.1	
Tetrahydrofuran	1000	1000	1030		1050	
Toluene	100	100	93.1		97.3	
trans-1,2-Dichloroethene	100	100	88.3		92.5	
trans-1,3-Dichloropropene	100	100	92.8		91.6	
Trichloroethene	100	100	93.5		99.3	
Trichlorofluoromethane	100	100	91.9		98.7	
Vinyl chloride	100	100	91.8		98.4	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-48765

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-24417-10	Analysis Batch:	360-48767	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48765	Lab File ID:	V44840.D
Dilution:	1.0			Initial Weight/Volume:	5.96 g
Date Analyzed:	09/09/2009 1754			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

MSD Lab Sample ID:	360-24417-10	Analysis Batch:	360-48767	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48765	Lab File ID:	V44841.D
Dilution:	1.0			Initial Weight/Volume:	5.40 g
Date Analyzed:	09/09/2009 1818			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	100	102	70 - 130	12	30		
1,1,1-Trichloroethane	92	93	70 - 130	11	30		
1,1,2,2-Tetrachloroethane	90	91	70 - 130	11	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	92	94	70 - 130	11	30		
1,1,2-Trichloroethane	92	92	70 - 130	10	30		
1,1-Dichloroethane	98	99	70 - 130	11	30		
1,1-Dichloroethene	96	95	70 - 130	9	30		
1,1-Dichloropropene	92	91	70 - 130	9	30		
1,2,3-Trichlorobenzene	96	95	70 - 130	8	30		
1,2,3-Trichloropropane	105	114	70 - 130	18	30		
1,2,4-Trichlorobenzene	95	94	70 - 130	9	30		
1,2,4-Trimethylbenzene	92	96	70 - 130	14	30		
1,2-Dibromo-3-Chloropropane	93	91	70 - 130	7	30		
Ethylene Dibromide	92	92	70 - 130	10	30		
1,2-Dichlorobenzene	94	94	70 - 130	10	30		
1,2-Dichloroethane	91	94	70 - 130	13	30		
Acetone	83	94	70 - 130	22	30		
1,2-Dichloropropane	104	103	70 - 130	8	30		
1,3,5-Trimethylbenzene	96	98	70 - 130	12	30		
1,3-Dichlorobenzene	92	97	70 - 130	16	30		
1,3-Dichloropropane	91	90	70 - 130	9	30		
1,4-Dichlorobenzene	94	94	70 - 130	10	30		
1,4-Dioxane	95	102	70 - 130	17	30		
2,2-Dichloropropane	107	108	70 - 130	10	30		
2,4,4-Trimethyl-1-pentene	109	108	70 - 130	8	30		
2,4,4-Trimethyl-2-pentene	100	96	70 - 130	6	30		
2-Chlorotoluene	92	96	70 - 130	14	30		
2-Hexanone	81	83	70 - 130	13	30		
4-Chlorotoluene	94	97	70 - 130	13	30		
Benzene	93	92	70 - 130	9	30		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-48765

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-24417-10	Analysis Batch:	360-48767	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48765	Lab File ID:	V44840.D
Dilution:	1.0			Initial Weight/Volume:	5.96 g
Date Analyzed:	09/09/2009 1754			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

MSD Lab Sample ID:	360-24417-10	Analysis Batch:	360-48767	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48765	Lab File ID:	V44841.D
Dilution:	1.0			Initial Weight/Volume:	5.40 g
Date Analyzed:	09/09/2009 1818			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromobenzene	92	95	70 - 130	12	30		
Chlorobromomethane	91	95	70 - 130	14	30		
Dichlorobromomethane	90	91	70 - 130	11	30		
Bromoform	83	85	70 - 130	12	30		
Bromomethane	91	100	70 - 130	19	30		
n-Butylbenzene	97	94	70 - 130	6	30		
Carbon disulfide	88	88	70 - 130	9	30		
Carbon tetrachloride	93	92	70 - 130	9	30		
Chlorobenzene	97	96	70 - 130	9	30		
Chloroethane	96	100	70 - 130	14	30		
Chloroform	94	98	70 - 130	14	30		
Chloromethane	88	92	70 - 130	15	30		
cis-1,2-Dichloroethene	92	94	70 - 130	11	30		
cis-1,3-Dichloropropene	90	90	70 - 130	9	30		
Cyclohexane	98	98	70 - 130	10	30		
Chlorodibromomethane	87	88	70 - 130	12	30		
Dibromomethane	88	91	70 - 130	14	30		
Dichlorodifluoromethane	63	65	70 - 130	12	30	F	F
Ethyl ether	97	104	70 - 130	17	30		
Isopropyl ether	92	95	70 - 130	13	30		
Tert-butyl ethyl ether	93	98	70 - 130	15	30		
Ethylbenzene	101	99	70 - 130	9	30		
Hexachlorobutadiene	90	85	70 - 130	4	30		
Isopropylbenzene	98	99	70 - 130	11	30		
Methyl acetate	101	106	70 - 130	15	30		
2-Butanone (MEK)	83	87	70 - 130	14	30		
4-Methyl-2-pentanone (MIBK)	83	89	70 - 130	18	30		
Methyl tert-butyl ether	89	95	70 - 130	16	30		
Methylcyclohexane	98	98	70 - 130	10	30		
Methylene Chloride	105	108	70 - 130	12	30		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-48765

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-24417-10	Analysis Batch:	360-48767	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48765	Lab File ID:	V44840.D
Dilution:	1.0			Initial Weight/Volume:	5.96 g
Date Analyzed:	09/09/2009 1754			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

MSD Lab Sample ID:	360-24417-10	Analysis Batch:	360-48767	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48765	Lab File ID:	V44841.D
Dilution:	1.0			Initial Weight/Volume:	5.40 g
Date Analyzed:	09/09/2009 1818			Final Weight/Volume:	5 g
Date Prepared:	09/09/2009 1557				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
m-Xylene & p-Xylene	94	94	70 - 130	10	30		
Naphthalene	91	92	70 - 130	11	30		
N-Propylbenzene	96	97	70 - 130	12	30		
o-Xylene	94	96	70 - 130	12	30		
4-Isopropyltoluene	99	103	70 - 130	14	30		
sec-Butylbenzene	96	99	70 - 130	13	30		
Styrene	95	96	70 - 130	11	30		
Tert-amyl methyl ether	94	99	70 - 130	15	30		
tert-Butylbenzene	98	102	70 - 130	14	30		
Tetrachloroethene	97	93	70 - 130	6	30		
Tetrahydrofuran	98	106	70 - 130	18	30		
Toluene	95	93	70 - 130	8	30		
trans-1,2-Dichloroethene	87	88	70 - 130	10	30		
trans-1,3-Dichloropropene	91	90	70 - 130	9	30		
Trichloroethene	95	93	70 - 130	8	30		
Trichlorofluoromethane	96	97	70 - 130	11	30		
Vinyl chloride	95	94	70 - 130	10	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	100	70 - 130
Dibromofluoromethane	98	100	70 - 130
Toluene-d8 (Surr)	100	98	70 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-48765

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-24417-10	Units: ug/Kg	MSD Lab Sample ID:	360-24417-10
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/09/2009 1754		Date Analyzed:	09/09/2009 1818
Date Prepared:	09/09/2009 1557		Date Prepared:	09/09/2009 1557

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1,2-Tetrachloroethane	ND		94.8	105	94.4	106
1,1,1-Trichloroethane	ND		94.8	105	87.0	97.0
1,1,2,2-Tetrachloroethane	ND		94.8	105	85.4	95.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		94.8	105	87.6	98.2
1,1,2-Trichloroethane	ND		94.8	105	87.0	96.5
1,1-Dichloroethane	ND		94.8	105	93.0	104
1,1-Dichloroethene	ND		94.8	105	91.2	99.4
1,1-Dichloropropene	ND		94.8	105	86.9	95.1
1,2,3-Trichlorobenzene	ND		94.8	105	91.5	99.3
1,2,3-Trichloropropane	ND		94.8	105	99.4	119
1,2,4-Trichlorobenzene	1.6	J	94.8	105	91.6	99.9
1,2,4-Trimethylbenzene	ND		94.8	105	87.5	101
1,2-Dibromo-3-Chloropropane	ND		94.8	105	88.6	95.3
Ethylene Dibromide	ND		94.8	105	87.2	96.6
1,2-Dichlorobenzene	ND		94.8	105	88.9	98.7
1,2-Dichloroethane	ND		94.8	105	86.3	98.7
Acetone	ND		948	1050	791	988
1,2-Dichloropropane	ND		94.8	105	99.1	108
1,3,5-Trimethylbenzene	ND		94.8	105	91.1	103
1,3-Dichlorobenzene	ND		94.8	105	87.0	102
1,3-Dichloropropane	ND		94.8	105	86.3	94.6
1,4-Dichlorobenzene	ND		94.8	105	89.6	98.9
1,4-Dioxane	ND		948	1050	900	1060
2,2-Dichloropropane	ND		94.8	105	102	113
2,4,4-Trimethyl-1-pentene	ND		94.8	105	103	113
2,4,4-Trimethyl-2-pentene	ND		94.8	105	95.3	101
2-Chlorotoluene	ND		94.8	105	87.4	100
2-Hexanone	ND		948	1050	768	872
4-Chlorotoluene	ND		94.8	105	89.4	102
Benzene	ND		94.8	105	88.1	96.5
Bromobenzene	ND		94.8	105	87.7	99.3
Chlorobromomethane	ND		94.8	105	86.5	99.5
Dichlorobromomethane	ND		94.8	105	85.1	95.0
Bromoform	ND		94.8	105	78.7	88.8
Bromomethane	ND		94.8	105	86.7	105
n-Butylbenzene	ND		94.8	105	92.0	98.0
Carbon disulfide	ND		94.8	105	83.9	92.2
Carbon tetrachloride	ND		94.8	105	87.9	96.0
Chlorobenzene	ND		94.8	105	92.0	101

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-48765

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-24417-10	Units: ug/Kg	MSD Lab Sample ID:	360-24417-10
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/09/2009 1754		Date Analyzed:	09/09/2009 1818
Date Prepared:	09/09/2009 1557		Date Prepared:	09/09/2009 1557

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Chloroethane	ND		94.8	105	90.9		104	
Chloroform	ND		94.8	105	89.2		103	
Chloromethane	ND		94.8	105	83.5		96.7	
cis-1,2-Dichloroethene	ND		94.8	105	87.6		98.1	
cis-1,3-Dichloropropene	ND		94.8	105	85.3		93.7	
Cyclohexane	ND		94.8	105	93.1		103	
Chlorodibromomethane	ND		94.8	105	82.3		92.4	
Dibromomethane	ND		94.8	105	83.1		95.2	
Dichlorodifluoromethane	ND		94.8	105	60.1	F	67.7	F
Ethyl ether	ND		94.8	105	92.4		109	
Isopropyl ether	ND		94.8	105	87.2		99.4	
Tert-butyl ethyl ether	ND		94.8	105	88.1		103	
Ethylbenzene	ND		94.8	105	95.4		104	
Hexachlorobutadiene	ND		94.8	105	84.9		88.8	
Isopropylbenzene	ND		94.8	105	92.9		104	
Methyl acetate	ND		948	1050	956		1110	
2-Butanone (MEK)	ND		948	1050	791		910	
4-Methyl-2-pentanone (MIBK)	ND		948	1050	783		934	
Methyl tert-butyl ether	ND		94.8	105	84.4		99.2	
Methylcyclohexane	ND		94.8	105	93.2		103	
Methylene Chloride	5.2	J	94.8	105	104		118	
m-Xylene & p-Xylene	ND		190	209	179		197	
Naphthalene	ND		94.8	105	86.1		95.8	
N-Propylbenzene	ND		94.8	105	90.6		102	
o-Xylene	ND		94.8	105	89.6		101	
4-Isopropyltoluene	ND		94.8	105	93.7		107	
sec-Butylbenzene	ND		94.8	105	90.7		103	
Styrene	ND		94.8	105	90.0		100	
Tert-amyl methyl ether	ND		94.8	105	88.8		103	
tert-Butylbenzene	ND		94.8	105	93.1		107	
Tetrachloroethene	ND		94.8	105	91.7		97.3	
Tetrahydrofuran	9.3	J	948	1050	936		1120	
Toluene	ND		94.8	105	90.3		97.6	
trans-1,2-Dichloroethene	ND		94.8	105	82.8		91.8	
trans-1,3-Dichloropropene	ND		94.8	105	86.7		94.7	
Trichloroethene	ND		94.8	105	89.9		97.7	
Trichlorofluoromethane	ND		94.8	105	90.8		102	
Vinyl chloride	ND		94.8	105	89.8		98.9	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48877

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-48877/3-A	Analysis Batch:	360-48878	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48877	Lab File ID:	V44925.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/12/2009 1406			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		1.0	2.5
1,1,1-Trichloroethane	ND		1.0	2.5
1,1,2,2-Tetrachloroethane	ND		1.0	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	12
1,1,2-Trichloroethane	ND		1.0	2.5
1,1-Dichloroethane	ND		1.0	2.5
1,1-Dichloroethene	ND		1.0	2.5
1,1-Dichloropropene	ND		1.0	2.5
1,2,3-Trichlorobenzene	ND		1.0	2.5
1,2,3-Trichloropropane	ND		1.5	2.5
1,2,4-Trichlorobenzene	ND		1.0	2.5
1,2,4-Trimethylbenzene	ND		1.0	2.5
1,2-Dibromo-3-Chloropropane	ND		1.8	25
Ethylene Dibromide	ND		1.0	2.5
1,2-Dichlorobenzene	ND		1.0	2.5
1,2-Dichloroethane	ND		1.0	2.5
Acetone	ND		18	250
1,2-Dichloropropane	ND		1.0	2.5
1,3,5-Trimethylbenzene	ND		1.0	2.5
1,3-Dichlorobenzene	ND		1.0	2.5
1,3-Dichloropropane	ND		1.0	2.5
1,4-Dichlorobenzene	ND		1.0	2.5
1,4-Dioxane	ND		33	250
2,2-Dichloropropane	ND		1.0	2.5
2,4,4-Trimethyl-1-pentene	ND		1.0	5.0
2,4,4-Trimethyl-2-pentene	ND		1.0	5.0
2-Chlorotoluene	ND		1.0	2.5
2-Hexanone	ND		5.1	25
4-Chlorotoluene	ND		1.0	2.5
Benzene	ND		1.0	2.5
Bromobenzene	ND		1.0	2.5
Chlorobromomethane	ND		1.0	2.5
Dichlorobromomethane	ND		1.0	2.5
Bromoform	ND		1.0	2.5
Bromomethane	ND		1.0	5.0
n-Butylbenzene	ND		1.0	2.5
Carbon disulfide	ND		1.0	2.5
Carbon tetrachloride	ND		1.0	2.5
Chlorobenzene	ND		1.0	2.5
Chloroethane	ND		1.0	5.0
Chloroform	ND		1.0	2.5

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48877

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-48877/3-A	Analysis Batch:	360-48878	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48877	Lab File ID:	V44925.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/12/2009 1406			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

Analyte	Result	Qual	MDL	RL
Chloromethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		1.0	2.5
cis-1,3-Dichloropropene	ND		1.0	2.5
Cyclohexane	ND		2.6	25
Chlorodibromomethane	ND		1.0	2.5
Dibromomethane	ND		1.0	2.5
Dichlorodifluoromethane	ND		1.0	5.0
Ethyl ether	ND		1.0	2.5
Isopropyl ether	ND		1.0	2.5
Tert-butyl ethyl ether	ND		2.5	2.5
Ethylbenzene	ND		1.0	2.5
Hexachlorobutadiene	ND		1.0	2.5
Isopropylbenzene	ND		1.0	2.5
Methyl acetate	ND		16	50
2-Butanone (MEK)	ND		6.7	25
4-Methyl-2-pentanone (MIBK)	ND		5.2	25
Methyl tert-butyl ether	ND		1.0	2.5
Methylcyclohexane	ND		1.0	2.5
Methylene Chloride	ND		4.8	10
m-Xylene & p-Xylene	ND		1.0	5.0
Naphthalene	ND		1.0	25
N-Propylbenzene	ND		1.0	2.5
o-Xylene	ND		1.0	2.5
4-Isopropyltoluene	ND		1.0	2.5
sec-Butylbenzene	ND		1.0	2.5
Styrene	ND		1.0	2.5
Tert-amyl methyl ether	ND		1.0	2.5
tert-Butylbenzene	ND		1.0	2.5
Tetrachloroethene	ND		1.0	2.5
Tetrahydrofuran	ND		5.5	25
Toluene	ND		1.0	2.5
trans-1,2-Dichloroethene	ND		1.0	2.5
trans-1,3-Dichloropropene	ND		1.0	2.5
Trichloroethene	ND		1.0	2.5
Trichlorofluoromethane	ND		1.0	5.0
Vinyl chloride	ND		1.0	2.5

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	105	70 - 130
Dibromofluoromethane	105	70 - 130
Toluene-d8 (Surr)	99	70 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank TICs- Batch: 360-48877

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	3.63	5.84	T J

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48877

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48877/1-A	Analysis Batch:	360-48878	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48877	Lab File ID:	V44922.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/12/2009 1255			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

LCSD Lab Sample ID:	LCSD 360-48877/2-A	Analysis Batch:	360-48878	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48877	Lab File ID:	V44923.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/12/2009 1319			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	97	104	70 - 130	7	25		
1,1,1-Trichloroethane	88	92	70 - 130	5	25		
1,1,2,2-Tetrachloroethane	87	93	70 - 130	6	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	88	96	70 - 130	8	25		
1,1,2-Trichloroethane	91	97	70 - 130	6	25		
1,1-Dichloroethane	95	99	70 - 130	4	25		
1,1-Dichloroethene	95	100	70 - 130	5	25		
1,1-Dichloropropene	90	96	70 - 130	6	25		
1,2,3-Trichlorobenzene	99	112	70 - 130	13	25		
1,2,3-Trichloropropane	107	116	70 - 130	8	25		
1,2,4-Trichlorobenzene	99	109	70 - 130	10	25		
1,2,4-Trimethylbenzene	92	98	70 - 130	6	25		
1,2-Dibromo-3-Chloropropane	91	104	70 - 130	14	25		
Ethylene Dibromide	93	99	70 - 130	6	25		
1,2-Dichlorobenzene	93	99	70 - 130	6	25		
1,2-Dichloroethane	89	96	70 - 130	8	25		
Acetone	92	102	70 - 130	11	25		
1,2-Dichloropropane	102	106	70 - 130	3	25		
1,3,5-Trimethylbenzene	95	102	70 - 130	6	25		
1,3-Dichlorobenzene	92	101	70 - 130	9	25		
1,3-Dichloropropane	90	95	70 - 130	6	25		
1,4-Dichlorobenzene	94	97	70 - 130	4	25		
1,4-Dioxane	86	103	70 - 130	18	25		
2,2-Dichloropropane	103	110	70 - 130	6	25		
2,4,4-Trimethyl-1-pentene	102	107	70 - 130	5	25		
2,4,4-Trimethyl-2-pentene	95	100	70 - 130	5	25		
2-Chlorotoluene	92	97	70 - 130	6	25		
2-Hexanone	81	89	70 - 130	9	25		
4-Chlorotoluene	93	99	70 - 130	6	25		
Benzene	91	96	70 - 130	5	25		
Bromobenzene	89	96	70 - 130	7	25		
Chlorobromomethane	90	98	70 - 130	8	25		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48877

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48877/1-A	Analysis Batch:	360-48878	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48877	Lab File ID:	V44922.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/12/2009 1255			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

LCSD Lab Sample ID:	LCSD 360-48877/2-A	Analysis Batch:	360-48878	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48877	Lab File ID:	V44923.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/12/2009 1319			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorobromomethane	89	94	70 - 130	5	25		
Bromoform	85	89	70 - 130	4	25		
Bromomethane	95	100	70 - 130	6	25		
n-Butylbenzene	98	100	70 - 130	3	25		
Carbon disulfide	92	96	70 - 130	5	25		
Carbon tetrachloride	91	95	70 - 130	5	25		
Chlorobenzene	96	100	70 - 130	4	25		
Chloroethane	91	95	70 - 130	5	25		
Chloroform	95	99	70 - 130	4	25		
Chloromethane	83	90	70 - 130	8	25		
cis-1,2-Dichloroethene	90	95	70 - 130	5	25		
cis-1,3-Dichloropropene	90	93	70 - 130	3	25		
Cyclohexane	89	91	70 - 130	3	25		
Chlorodibromomethane	88	93	70 - 130	5	25		
Dibromomethane	91	97	70 - 130	7	25		
Dichlorodifluoromethane	58	60	70 - 130	4	25	*	*
Ethyl ether	97	103	70 - 130	6	25		
Isopropyl ether	88	94	70 - 130	6	25		
Tert-butyl ethyl ether	91	98	70 - 130	7	25		
Ethylbenzene	99	103	70 - 130	4	25		
Hexachlorobutadiene	96	101	70 - 130	5	25		
Isopropylbenzene	96	101	70 - 130	5	25		
Methyl acetate	104	120	70 - 130	14	25		
2-Butanone (MEK)	84	92	70 - 130	9	25		
4-Methyl-2-pentanone (MIBK)	85	94	70 - 130	10	25		
Methyl tert-butyl ether	87	96	70 - 130	9	25		
Methylcyclohexane	91	95	70 - 130	4	25		
Methylene Chloride	94	100	70 - 130	6	25		
m-Xylene & p-Xylene	93	98	70 - 130	4	25		
Naphthalene	88	101	70 - 130	14	25		
N-Propylbenzene	95	99	70 - 130	5	25		
o-Xylene	93	98	70 - 130	5	25		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48877

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48877/1-A	Analysis Batch:	360-48878	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48877	Lab File ID:	V44922.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/12/2009 1255			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

LCSD Lab Sample ID:	LCSD 360-48877/2-A	Analysis Batch:	360-48878	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48877	Lab File ID:	V44923.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/12/2009 1319			Final Weight/Volume:	5 g
Date Prepared:	09/12/2009 1114				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4-Isopropyltoluene	100	107	70 - 130	7	25		
sec-Butylbenzene	96	103	70 - 130	6	25		
Styrene	93	98	70 - 130	5	25		
Tert-amyl methyl ether	91	100	70 - 130	9	25		
tert-Butylbenzene	98	104	70 - 130	6	25		
Tetrachloroethene	98	102	70 - 130	4	25		
Tetrahydrofuran	101	111	70 - 130	9	25		
Toluene	95	99	70 - 130	4	25		
trans-1,2-Dichloroethene	86	91	70 - 130	5	25		
trans-1,3-Dichloropropene	92	95	70 - 130	4	25		
Trichloroethene	95	99	70 - 130	4	25		
Trichlorofluoromethane	87	92	70 - 130	5	25		
Vinyl chloride	87	91	70 - 130	5	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	96	97	70 - 130
Dibromofluoromethane	99	100	70 - 130
Toluene-d8 (Surr)	101	100	70 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48877

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48877/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48877/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/12/2009 1255			Date Analyzed:	09/12/2009 1319
Date Prepared:	09/12/2009 1114			Date Prepared:	09/12/2009 1114

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1,2-Tetrachloroethane	100	100	96.9	104
1,1,1-Trichloroethane	100	100	87.9	92.3
1,1,2,2-Tetrachloroethane	100	100	87.2	92.9
1,1,2-Trichloro-1,2,2-trifluoroethane	100	100	88.3	96.1
1,1,2-Trichloroethane	100	100	91.3	97.2
1,1-Dichloroethane	100	100	95.0	98.8
1,1-Dichloroethene	100	100	95.1	100
1,1-Dichloropropene	100	100	90.0	95.7
1,2,3-Trichlorobenzene	100	100	99.1	112
1,2,3-Trichloropropane	100	100	107	116
1,2,4-Trichlorobenzene	100	100	99.0	109
1,2,4-Trimethylbenzene	100	100	92.0	97.9
1,2-Dibromo-3-Chloropropane	100	100	90.6	104
Ethylene Dibromide	100	100	93.3	98.7
1,2-Dichlorobenzene	100	100	93.0	98.9
1,2-Dichloroethane	100	100	89.2	96.4
Acetone	1000	1000	922	1020
1,2-Dichloropropane	100	100	102	106
1,3,5-Trimethylbenzene	100	100	95.5	102
1,3-Dichlorobenzene	100	100	92.5	101
1,3-Dichloropropane	100	100	89.5	95.2
1,4-Dichlorobenzene	100	100	93.6	97.4
1,4-Dioxane	1000	1000	861	1030
2,2-Dichloropropane	100	100	103	110
2,4,4-Trimethyl-1-pentene	100	100	102	107
2,4,4-Trimethyl-2-pentene	100	100	95.3	100
2-Chlorotoluene	100	100	91.7	97.2
2-Hexanone	1000	1000	811	885
4-Chlorotoluene	100	100	93.1	99.1
Benzene	100	100	91.3	95.6
Bromobenzene	100	100	89.3	95.6
Chlorobromomethane	100	100	90.2	97.7
Dichlorobromomethane	100	100	89.3	94.1
Bromoform	100	100	84.9	88.6
Bromomethane	100	100	94.5	100
n-Butylbenzene	100	100	97.5	100
Carbon disulfide	100	100	91.6	96.1
Carbon tetrachloride	100	100	90.9	95.1
Chlorobenzene	100	100	95.6	99.8

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48877

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48877/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48877/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/12/2009 1255			Date Analyzed:	09/12/2009 1319
Date Prepared:	09/12/2009 1114			Date Prepared:	09/12/2009 1114

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Chloroethane	100	100	90.6		95.2	
Chloroform	100	100	95.3		99.3	
Chloromethane	100	100	83.1		90.1	
cis-1,2-Dichloroethene	100	100	90.4		94.8	
cis-1,3-Dichloropropene	100	100	89.6		92.7	
Cyclohexane	100	100	88.6		90.9	
Chlorodibromomethane	100	100	87.8		92.7	
Dibromomethane	100	100	91.1		97.3	
Dichlorodifluoromethane	100	100	57.8	*	60.0	*
Ethyl ether	100	100	96.8		103	
Isopropyl ether	100	100	88.4		93.8	
Tert-butyl ethyl ether	100	100	90.9		97.7	
Ethylbenzene	100	100	98.8		103	
Hexachlorobutadiene	100	100	96.0		101	
Isopropylbenzene	100	100	96.3		101	
Methyl acetate	1000	1000	1040		1200	
2-Butanone (MEK)	1000	1000	842		923	
4-Methyl-2-pentanone (MIBK)	1000	1000	849		942	
Methyl tert-butyl ether	100	100	87.2		95.7	
Methylcyclohexane	100	100	91.2		95.3	
Methylene Chloride	100	100	94.1		99.7	
m-Xylene & p-Xylene	200	200	187		195	
Naphthalene	100	100	88.4		101	
N-Propylbenzene	100	100	94.9		99.3	
o-Xylene	100	100	92.9		97.5	
4-Isopropyltoluene	100	100	99.6		107	
sec-Butylbenzene	100	100	96.3		103	
Styrene	100	100	92.8		97.6	
Tert-amyl methyl ether	100	100	91.5		100	
tert-Butylbenzene	100	100	98.0		104	
Tetrachloroethene	100	100	98.4		102	
Tetrahydrofuran	1000	1000	1010		1110	
Toluene	100	100	95.0		98.7	
trans-1,2-Dichloroethene	100	100	86.3		91.0	
trans-1,3-Dichloropropene	100	100	91.6		94.9	
Trichloroethene	100	100	95.2		98.8	
Trichlorofluoromethane	100	100	87.3		92.2	
Vinyl chloride	100	100	86.8		91.0	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48975

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-48975/3-A	Analysis Batch:	360-48976	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48975	Lab File ID:	V45019.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/15/2009 1734			Final Weight/Volume:	5 g
Date Prepared:	09/15/2009 1417				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		1.0	2.5
1,1,1-Trichloroethane	ND		1.0	2.5
1,1,2,2-Tetrachloroethane	ND		1.0	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	12
1,1,2-Trichloroethane	ND		1.0	2.5
1,1-Dichloroethane	ND		1.0	2.5
1,1-Dichloroethene	ND		1.0	2.5
1,1-Dichloropropene	ND		1.0	2.5
1,2,3-Trichlorobenzene	ND		1.0	2.5
1,2,3-Trichloropropane	ND		1.5	2.5
1,2,4-Trichlorobenzene	ND		1.0	2.5
1,2,4-Trimethylbenzene	ND		1.0	2.5
1,2-Dibromo-3-Chloropropane	ND		1.8	25
Ethylene Dibromide	ND		1.0	2.5
1,2-Dichlorobenzene	ND		1.0	2.5
1,2-Dichloroethane	ND		1.0	2.5
Acetone	ND		18	250
1,2-Dichloropropane	ND		1.0	2.5
1,3,5-Trimethylbenzene	ND		1.0	2.5
1,3-Dichlorobenzene	ND		1.0	2.5
1,3-Dichloropropane	ND		1.0	2.5
1,4-Dichlorobenzene	ND		1.0	2.5
1,4-Dioxane	ND		33	250
2,2-Dichloropropane	ND		1.0	2.5
2,4,4-Trimethyl-1-pentene	ND		1.0	5.0
2,4,4-Trimethyl-2-pentene	ND		1.0	5.0
2-Chlorotoluene	ND		1.0	2.5
2-Hexanone	ND		5.1	25
4-Chlorotoluene	ND		1.0	2.5
Benzene	ND		1.0	2.5
Bromobenzene	ND		1.0	2.5
Chlorobromomethane	ND		1.0	2.5
Dichlorobromomethane	ND		1.0	2.5
Bromoform	ND		1.0	2.5
Bromomethane	ND		1.0	5.0
n-Butylbenzene	ND		1.0	2.5
Carbon disulfide	ND		1.0	2.5
Carbon tetrachloride	ND		1.0	2.5
Chlorobenzene	ND		1.0	2.5
Chloroethane	ND		1.0	5.0
Chloroform	ND		1.0	2.5

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48975

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-48975/3-A	Analysis Batch:	360-48976	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48975	Lab File ID:	V45019.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/15/2009 1734			Final Weight/Volume:	5 g
Date Prepared:	09/15/2009 1417				

Analyte	Result	Qual	MDL	RL
Chloromethane	ND		1.0	5.0
cis-1,2-Dichloroethene	ND		1.0	2.5
cis-1,3-Dichloropropene	ND		1.0	2.5
Cyclohexane	ND		2.6	25
Chlorodibromomethane	ND		1.0	2.5
Dibromomethane	ND		1.0	2.5
Dichlorodifluoromethane	ND		1.0	5.0
Ethyl ether	ND		1.0	2.5
Isopropyl ether	ND		1.0	2.5
Tert-butyl ethyl ether	ND		2.5	2.5
Ethylbenzene	ND		1.0	2.5
Hexachlorobutadiene	ND		1.0	2.5
Isopropylbenzene	ND		1.0	2.5
Methyl acetate	ND		16	50
2-Butanone (MEK)	ND		6.7	25
4-Methyl-2-pentanone (MIBK)	ND		5.2	25
Methyl tert-butyl ether	ND		1.0	2.5
Methylcyclohexane	ND		1.0	2.5
Methylene Chloride	ND		4.8	10
m-Xylene & p-Xylene	ND		1.0	5.0
Naphthalene	ND		1.0	25
N-Propylbenzene	ND		1.0	2.5
o-Xylene	ND		1.0	2.5
4-Isopropyltoluene	ND		1.0	2.5
sec-Butylbenzene	ND		1.0	2.5
Styrene	ND		1.0	2.5
Tert-amyl methyl ether	ND		1.0	2.5
tert-Butylbenzene	ND		1.0	2.5
Tetrachloroethene	ND		1.0	2.5
Tetrahydrofuran	ND		5.5	25
Toluene	ND		1.0	2.5
trans-1,2-Dichloroethene	ND		1.0	2.5
trans-1,3-Dichloropropene	ND		1.0	2.5
Trichloroethene	ND		1.0	2.5
Trichlorofluoromethane	ND		1.0	5.0
Vinyl chloride	ND		1.0	2.5

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	102	70 - 130
Dibromofluoromethane	104	70 - 130
Toluene-d8 (Surr)	101	70 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank TICs- Batch: 360-48975

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48975

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48975/1-A	Analysis Batch:	360-48976	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48975	Lab File ID:	V45014.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/15/2009 1533			Final Weight/Volume:	5 g
Date Prepared:	09/15/2009 1417				

LCSD Lab Sample ID:	LCSD 360-48975/2-A	Analysis Batch:	360-48976	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48975	Lab File ID:	V45015.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/15/2009 1557			Final Weight/Volume:	5 g
Date Prepared:	09/15/2009 1417				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	99	99	70 - 130	0	25		
1,1,1-Trichloroethane	93	92	70 - 130	1	25		
1,1,2,2-Tetrachloroethane	83	87	70 - 130	5	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	96	93	70 - 130	3	25		
1,1,2-Trichloroethane	89	95	70 - 130	6	25		
1,1-Dichloroethane	97	98	70 - 130	1	25		
1,1-Dichloroethene	97	98	70 - 130	1	25		
1,1-Dichloropropene	94	95	70 - 130	1	25		
1,2,3-Trichlorobenzene	97	103	70 - 130	6	25		
1,2,3-Trichloropropane	103	112	70 - 130	8	25		
1,2,4-Trichlorobenzene	98	102	70 - 130	4	25		
1,2,4-Trimethylbenzene	94	94	70 - 130	0	25		
1,2-Dibromo-3-Chloropropane	87	91	70 - 130	4	25		
Ethylene Dibromide	89	99	70 - 130	10	25		
1,2-Dichlorobenzene	92	94	70 - 130	3	25		
1,2-Dichloroethane	90	95	70 - 130	5	25		
Acetone	91	98	70 - 130	8	25		
1,2-Dichloropropane	101	106	70 - 130	4	25		
1,3,5-Trimethylbenzene	98	97	70 - 130	1	25		
1,3-Dichlorobenzene	95	95	70 - 130	1	25		
1,3-Dichloropropane	87	93	70 - 130	7	25		
1,4-Dichlorobenzene	93	94	70 - 130	1	25		
1,4-Dioxane	106	119	70 - 130	12	25		
2,2-Dichloropropane	107	105	70 - 130	2	25		
2,4,4-Trimethyl-1-pentene	107	105	70 - 130	2	25		
2,4,4-Trimethyl-2-pentene	102	99	70 - 130	3	25		
2-Chlorotoluene	94	94	70 - 130	0	25		
2-Hexanone	77	88	70 - 130	13	25		
4-Chlorotoluene	93	94	70 - 130	1	25		
Benzene	94	96	70 - 130	2	25		
Bromobenzene	90	90	70 - 130	1	25		
Chlorobromomethane	93	96	70 - 130	3	25		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48975

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48975/1-A	Analysis Batch:	360-48976	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48975	Lab File ID:	V45014.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/15/2009 1533			Final Weight/Volume:	5 g
Date Prepared:	09/15/2009 1417				

LCSD Lab Sample ID:	LCSD 360-48975/2-A	Analysis Batch:	360-48976	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48975	Lab File ID:	V45015.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/15/2009 1557			Final Weight/Volume:	5 g
Date Prepared:	09/15/2009 1417				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dichlorobromomethane	89	92	70 - 130	3	25		
Bromoform	84	88	70 - 130	5	25		
Bromomethane	103	104	70 - 130	1	25		
n-Butylbenzene	98	96	70 - 130	2	25		
Carbon disulfide	95	94	70 - 130	1	25		
Carbon tetrachloride	94	93	70 - 130	1	25		
Chlorobenzene	97	99	70 - 130	2	25		
Chloroethane	96	97	70 - 130	1	25		
Chloroform	94	95	70 - 130	1	25		
Chloromethane	91	91	70 - 130	0	25		
cis-1,2-Dichloroethene	91	93	70 - 130	2	25		
cis-1,3-Dichloropropene	87	93	70 - 130	7	25		
Cyclohexane	99	95	70 - 130	5	25		
Chlorodibromomethane	84	91	70 - 130	7	25		
Dibromomethane	90	97	70 - 130	7	25		
Dichlorodifluoromethane	61	60	70 - 130	2	25	*	*
Ethyl ether	98	104	70 - 130	6	25		
Isopropyl ether	89	92	70 - 130	3	25		
Tert-butyl ethyl ether	90	94	70 - 130	5	25		
Ethylbenzene	101	102	70 - 130	1	25		
Hexachlorobutadiene	100	100	70 - 130	1	25		
Isopropylbenzene	99	98	70 - 130	2	25		
Methyl acetate	119	125	70 - 130	5	25		
2-Butanone (MEK)	85	91	70 - 130	7	25		
4-Methyl-2-pentanone (MIBK)	83	92	70 - 130	11	25		
Methyl tert-butyl ether	86	92	70 - 130	6	25		
Methylcyclohexane	103	99	70 - 130	4	25		
Methylene Chloride	99	102	70 - 130	3	25		
m-Xylene & p-Xylene	96	96	70 - 130	0	25		
Naphthalene	87	92	70 - 130	6	25		
N-Propylbenzene	97	96	70 - 130	2	25		
o-Xylene	95	95	70 - 130	0	25		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48975

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48975/1-A	Analysis Batch:	360-48976	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48975	Lab File ID:	V45014.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/15/2009 1533			Final Weight/Volume:	5 g
Date Prepared:	09/15/2009 1417				

LCSD Lab Sample ID:	LCSD 360-48975/2-A	Analysis Batch:	360-48976	Instrument ID:	HP 5890/5972 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48975	Lab File ID:	V45015.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/15/2009 1557			Final Weight/Volume:	5 g
Date Prepared:	09/15/2009 1417				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4-Isopropyltoluene	103	102	70 - 130	2	25		
sec-Butylbenzene	99	98	70 - 130	2	25		
Styrene	91	95	70 - 130	3	25		
Tert-amyl methyl ether	92	97	70 - 130	6	25		
tert-Butylbenzene	101	99	70 - 130	2	25		
Tetrachloroethene	103	105	70 - 130	2	25		
Tetrahydrofuran	99	106	70 - 130	7	25		
Toluene	96	100	70 - 130	4	25		
trans-1,2-Dichloroethene	89	89	70 - 130	1	25		
trans-1,3-Dichloropropene	86	94	70 - 130	9	25		
Trichloroethene	98	100	70 - 130	2	25		
Trichlorofluoromethane	94	94	70 - 130	1	25		
Vinyl chloride	93	92	70 - 130	1	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	95	95	70 - 130
Dibromofluoromethane	99	99	70 - 130
Toluene-d8 (Surr)	101	102	70 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48975

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48975/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48975/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/15/2009 1533			Date Analyzed:	09/15/2009 1557
Date Prepared:	09/15/2009 1417			Date Prepared:	09/15/2009 1417

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1,2-Tetrachloroethane	100	100	98.8	99.0
1,1,1-Trichloroethane	100	100	93.4	92.1
1,1,2,2-Tetrachloroethane	100	100	82.8	87.2
1,1,2-Trichloro-1,2,2-trifluoroethane	100	100	96.0	92.7
1,1,2-Trichloroethane	100	100	89.4	94.5
1,1-Dichloroethane	100	100	97.0	97.7
1,1-Dichloroethene	100	100	97.3	98.2
1,1-Dichloropropene	100	100	94.0	94.6
1,2,3-Trichlorobenzene	100	100	97.2	103
1,2,3-Trichloropropane	100	100	103	112
1,2,4-Trichlorobenzene	100	100	98.1	102
1,2,4-Trimethylbenzene	100	100	94.2	94.2
1,2-Dibromo-3-Chloropropane	100	100	87.2	91.0
Ethylene Dibromide	100	100	89.3	98.5
1,2-Dichlorobenzene	100	100	91.7	94.2
1,2-Dichloroethane	100	100	90.0	95.0
Acetone	1000	1000	909	984
1,2-Dichloropropane	100	100	101	106
1,3,5-Trimethylbenzene	100	100	98.1	97.3
1,3-Dichlorobenzene	100	100	94.7	95.4
1,3-Dichloropropane	100	100	86.8	93.2
1,4-Dichlorobenzene	100	100	92.6	94.0
1,4-Dioxane	1000	1000	1060	1190
2,2-Dichloropropane	100	100	107	105
2,4,4-Trimethyl-1-pentene	100	100	107	105
2,4,4-Trimethyl-2-pentene	100	100	102	98.5
2-Chlorotoluene	100	100	93.6	93.8
2-Hexanone	1000	1000	772	882
4-Chlorotoluene	100	100	93.4	94.4
Benzene	100	100	94.1	96.1
Bromobenzene	100	100	89.5	90.1
Chlorobromomethane	100	100	92.9	95.8
Dichlorobromomethane	100	100	89.2	92.0
Bromoform	100	100	84.2	88.2
Bromomethane	100	100	103	104
n-Butylbenzene	100	100	97.8	96.3
Carbon disulfide	100	100	94.6	93.9
Carbon tetrachloride	100	100	93.9	93.1
Chlorobenzene	100	100	97.3	99.0

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48975

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-48975/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48975/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/15/2009 1533			Date Analyzed:	09/15/2009 1557
Date Prepared:	09/15/2009 1417			Date Prepared:	09/15/2009 1417

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Chloroethane	100	100	96.2		96.8	
Chloroform	100	100	93.9		94.9	
Chloromethane	100	100	91.4		91.5	
cis-1,2-Dichloroethene	100	100	91.1		93.0	
cis-1,3-Dichloropropene	100	100	86.9		93.4	
Cyclohexane	100	100	99.0		94.5	
Chlorodibromomethane	100	100	84.5		91.0	
Dibromomethane	100	100	90.1		96.5	
Dichlorodifluoromethane	100	100	61.4	*	59.9	*
Ethyl ether	100	100	98.5		104	
Isopropyl ether	100	100	88.7		91.6	
Tert-butyl ethyl ether	100	100	89.6		93.8	
Ethylbenzene	100	100	101		102	
Hexachlorobutadiene	100	100	99.8		100	
Isopropylbenzene	100	100	99.1		97.6	
Methyl acetate	1000	1000	1190		1250	
2-Butanone (MEK)	1000	1000	847		908	
4-Methyl-2-pentanone (MIBK)	1000	1000	829		922	
Methyl tert-butyl ether	100	100	86.5		91.6	
Methylcyclohexane	100	100	103		99.0	
Methylene Chloride	100	100	98.8		102	
m-Xylene & p-Xylene	200	200	191		191	
Naphthalene	100	100	87.0		92.0	
N-Propylbenzene	100	100	97.5		95.8	
o-Xylene	100	100	94.8		95.1	
4-Isopropyltoluene	100	100	103		102	
sec-Butylbenzene	100	100	99.5		97.7	
Styrene	100	100	91.5		94.5	
Tert-amyl methyl ether	100	100	91.8		97.1	
tert-Butylbenzene	100	100	101		99.0	
Tetrachloroethene	100	100	103		105	
Tetrahydrofuran	1000	1000	990		1060	
Toluene	100	100	95.9		99.8	
trans-1,2-Dichloroethene	100	100	88.5		89.0	
trans-1,3-Dichloropropene	100	100	86.3		94.5	
Trichloroethene	100	100	98.3		100	
Trichlorofluoromethane	100	100	94.4		93.6	
Vinyl chloride	100	100	93.2		91.8	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48800

Method: 8270C LL
Preparation: 3550B

Lab Sample ID:	MB 360-48800/1-A	Analysis Batch:	360-48876	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48800	Lab File ID:	J02917.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	100.00 g
Date Analyzed:	09/12/2009 1146			Final Weight/Volume:	1.0 mL
Date Prepared:	09/10/2009 1211			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
N-Nitrosodimethylamine	ND		1.2	5.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	79	30 - 130
2-Fluorophenol	72	30 - 130
2-Fluorobiphenyl	72	30 - 130
Nitrobenzene-d5	68	30 - 130
Phenol-d5	78	30 - 130
Terphenyl-d14	90	30 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48800

Method: 8270C LL
Preparation: 3550B

LCS Lab Sample ID:	LCS 360-48800/2-A	Analysis Batch:	360-48876	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48800	Lab File ID:	J02918.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	100.00 g
Date Analyzed:	09/12/2009 1217			Final Weight/Volume:	1.0 mL
Date Prepared:	09/10/2009 1211			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48800/3-A	Analysis Batch:	360-48876	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48800	Lab File ID:	J02919.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	100.00 g
Date Analyzed:	09/12/2009 1247			Final Weight/Volume:	1.0 mL
Date Prepared:	09/10/2009 1211			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
N-Nitrosodimethylamine	69	66	40 - 140	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	85	86	30 - 130
2-Fluorophenol	56	59	30 - 130
2-Fluorobiphenyl	72	73	30 - 130
Nitrobenzene-d5	70	75	30 - 130
Phenol-d5	59	63	30 - 130
Terphenyl-d14	84	83	30 - 130

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48800

Method: 8270C LL
Preparation: 3550B

LCS Lab Sample ID:	LCS 360-48800/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48800/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/12/2009 1217			Date Analyzed:	09/12/2009 1247
Date Prepared:	09/10/2009 1211			Date Prepared:	09/10/2009 1211

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
N-Nitrosodimethylamine	100	100	68.8	66.4

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48854/1-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10449.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2033			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			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: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48854/1-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10449.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2033			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			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	70.4	J	15	170
Benzophenone	ND		10	33
Benzyl alcohol	ND		28	67
Bis(2-chloroethoxy)methane	ND		10	33
Bis(2-chloroethyl)ether	ND		10	33
Bis(2-ethylhexyl) phthalate	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	ND		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	71	30 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	89	30 - 130
2-Fluorobiphenyl	71	30 - 130
Nitrobenzene-d5	83	30 - 130
Phenol-d5	91	30 - 130
Terphenyl-d14	72	30 - 130

Method Blank TICs- Batch: 360-48854

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	7.06	23.2	T J
121-33-5	Vanillin	10.03	12.5	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	11.07	12.0	T J N
593-45-3	Octadecane	11.58	42.1	T J N
112-95-8	Eicosane	12.30	24.2	T J N
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	15.61	10.5	T J N
593-49-7	Heptacosane	16.12	14.3	T J N
7683-64-9	Squalene	16.78	31.8	T J N

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48854/2-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10450.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2105			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48854/3-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10451.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2136			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	79	75	40 - 140	5	30		
1,2,4,5-Tetrachlorobenzene	65	63	40 - 140	5	30		
1,2,4-Trichlorobenzene	67	63	40 - 140	6	30		
1,2-Dichlorobenzene	69	64	40 - 140	8	30		
1,3-Dichlorobenzene	57	53	40 - 140	7	30		
1,4-Dichlorobenzene	57	53	40 - 140	8	30		
1-Methylnaphthalene	65	62	40 - 140	6	30		
2,2'-oxybis[1-chloropropane]	63	58	40 - 140	7	30		
2,3,4,6-Tetrachlorophenol	68	66	40 - 140	3	30		
2,4,5-Trichlorophenol	79	76	30 - 130	3	30		
2,4,6-Trichlorophenol	75	72	30 - 130	4	30		
2,4-Dichlorophenol	72	69	30 - 130	4	30		
2,4-Dimethylphenol	72	70	30 - 130	2	30		
2,4-Dinitrophenol	58	60	30 - 130	4	30		
2,4-Dinitrotoluene	74	71	40 - 140	3	30		
2,6-Dinitrotoluene	81	79	40 - 140	2	30		
2-Chloronaphthalene	60	58	40 - 140	3	30		
2-Chlorophenol	67	64	30 - 130	4	30		
2-Methylnaphthalene	63	60	40 - 140	5	30		
2-Methylphenol	72	67	30 - 130	7	30		
2-Nitroaniline	80	76	40 - 140	6	30		
2-Nitrophenol	75	72	30 - 130	4	30		
3 & 4 Methylphenol	75	71	30 - 130	5	30		
3,3'-Dichlorobenzidine	73	71	40 - 140	3	30		
3-Nitroaniline	74	72	40 - 140	3	30		
4,6-Dinitro-2-methylphenol	70	67	30 - 130	3	30		
4-Bromophenyl phenyl ether	79	75	40 - 140	5	30		
4-Chloro-3-methylphenol	82	80	30 - 130	2	30		
4-Chloroaniline	51	51	40 - 140	1	30		
4-Chlorophenyl phenyl ether	79	76	40 - 140	4	30		
4-Nitroaniline	79	76	40 - 140	3	30		
4-Nitrophenol	84	83	30 - 130	2	30		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48854/2-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10450.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2105			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48854/3-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10451.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2136			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	88	84	40 - 140	4	30		
Acenaphthylene	75	73	40 - 140	3	30		
Acetophenone	69	66	40 - 140	3	30		
Aniline	27	26	40 - 140	3	30	*	*
Anthracene	93	88	40 - 140	5	30		
Atrazine	85	81	40 - 140	4	30		
Azobenzene	79	75	40 - 140	6	30		
Benzaldehyde	75	70	40 - 140	6	30		
Benzo[a]anthracene	94	90	40 - 140	4	30		
Benzo[a]pyrene	98	96	40 - 140	2	30		
Benzo[b]fluoranthene	80	82	40 - 140	2	30		
Benzo[g,h,i]perylene	99	89	40 - 140	11	30		
Benzo[k]fluoranthene	87	85	40 - 140	2	30		
Benzoic acid	35	35	30 - 130	0	30	J	J
Benzophenone	86	80	40 - 140	7	30		
Benzyl alcohol	77	73	30 - 130	5	30		
Bis(2-chloroethoxy)methane	62	60	40 - 140	4	30		
Bis(2-chloroethyl)ether	60	56	40 - 140	7	30		
Bis(2-ethylhexyl) phthalate	81	78	40 - 140	4	30		
Butyl benzyl phthalate	78	77	40 - 140	1	30		
Caprolactam	81	83	40 - 140	3	30		
Carbazole	86	83	40 - 140	3	30		
Chrysene	89	86	40 - 140	3	30		
Dibenz(a,h)anthracene	105	93	40 - 140	12	30		
Dibenzofuran	75	73	40 - 140	3	30		
Diethyl phthalate	81	80	40 - 140	1	30		
Dimethyl phthalate	78	76	40 - 140	3	30		
Di-n-butyl phthalate	96	94	40 - 140	3	30		
Di-n-octyl phthalate	71	73	40 - 140	3	30		
Diphenyl oxide	69	64	40 - 140	7	30		
Fluoranthene	88	84	40 - 140	4	30		
Fluorene	93	91	40 - 140	3	30		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48854/2-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10450.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2105			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48854/3-A	Analysis Batch:	360-49265	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48854	Lab File ID:	B10451.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2136			Final Weight/Volume:	1.0 mL
Date Prepared:	09/11/2009 1142			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hexachlorobenzene	78	73	40 - 140	7	30		
Hexachlorobutadiene	58	54	40 - 140	8	30		
Hexachlorocyclopentadiene	54	56	40 - 140	3	30		
Hexachloroethane	61	56	40 - 140	8	30		
Indeno[1,2,3-cd]pyrene	105	95	40 - 140	11	30		
Isophorone	59	56	40 - 140	5	30		
Naphthalene	73	68	40 - 140	7	30		
Nitrobenzene	64	60	40 - 140	7	30		
N-Nitrosodimethylamine	66	61	40 - 140	7	30		
N-Nitrosodi-n-propylamine	73	69	40 - 140	6	30		
N-Nitrosodiphenylamine	56	54	40 - 140	5	30		
Pentachlorophenol	72	72	30 - 130	0	30		
Phenanthrene	84	80	40 - 140	5	30		
Phenol	70	67	30 - 130	3	30		
Pyrene	72	73	40 - 140	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	71	70	30 - 130
2-Fluorophenol	64	62	30 - 130
2-Fluorobiphenyl	68	67	30 - 130
Nitrobenzene-d5	58	57	30 - 130
Phenol-d5	67	65	30 - 130
Terphenyl-d14	57	60	30 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48854/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48854/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/21/2009 2105			Date Analyzed:	09/21/2009 2136
Date Prepared:	09/11/2009 1142			Date Prepared:	09/11/2009 1142

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1'-Biphenyl	333	333	263		249	
1,2,4,5-Tetrachlorobenzene	333	333	218		208	
1,2,4-Trichlorobenzene	333	333	222		208	
1,2-Dichlorobenzene	333	333	230		212	
1,3-Dichlorobenzene	333	333	190		177	
1,4-Dichlorobenzene	333	333	190		176	
1-Methylnaphthalene	333	333	218		205	
2,2'-oxybis[1-chloropropane]	333	333	208		195	
2,3,4,6-Tetrachlorophenol	333	333	228		221	
2,4,5-Trichlorophenol	333	333	264		255	
2,4,6-Trichlorophenol	333	333	250		241	
2,4-Dichlorophenol	333	333	240		231	
2,4-Dimethylphenol	333	333	241		235	
2,4-Dinitrophenol	333	333	192		199	
2,4-Dinitrotoluene	333	333	246		238	
2,6-Dinitrotoluene	333	333	268		262	
2-Chloronaphthalene	333	333	199		194	
2-Chlorophenol	333	333	223		214	
2-Methylnaphthalene	333	333	209		200	
2-Methylphenol	333	333	240		224	
2-Nitroaniline	333	333	268		252	
2-Nitrophenol	333	333	250		241	
3 & 4 Methylphenol	333	333	249		237	
3,3'-Dichlorobenzidine	333	333	242		236	
3-Nitroaniline	333	333	247		240	
4,6-Dinitro-2-methylphenol	333	333	232		225	
4-Bromophenyl phenyl ether	333	333	263		250	
4-Chloro-3-methylphenol	333	333	274		268	
4-Chloroaniline	333	333	171		170	
4-Chlorophenyl phenyl ether	333	333	262		253	
4-Nitroaniline	333	333	263		254	
4-Nitrophenol	333	333	281		277	
Acenaphthene	333	333	294		281	
Acenaphthylene	333	333	251		243	
Acetophenone	333	333	228		221	
Aniline	333	333	91.1	*	88.2	*
Anthracene	333	333	310		294	
Atrazine	333	333	282		271	
Azobenzene	333	333	264		249	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48854/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48854/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/21/2009 2105			Date Analyzed:	09/21/2009 2136
Date Prepared:	09/11/2009 1142			Date Prepared:	09/11/2009 1142

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Benzaldehyde	333	333	248		234	
Benzo[a]anthracene	333	333	314		301	
Benzo[a]pyrene	333	333	327		320	
Benzo[b]fluoranthene	333	333	267		272	
Benzo[g,h,i]perylene	333	333	329		296	
Benzo[k]fluoranthene	333	333	289		282	
Benzoic acid	333	333	118	J	118	J
Benzophenone	333	333	285		267	
Benzyl alcohol	333	333	256		243	
Bis(2-chloroethoxy)methane	333	333	208		200	
Bis(2-chloroethyl)ether	333	333	201		188	
Bis(2-ethylhexyl) phthalate	333	333	271		261	
Butyl benzyl phthalate	333	333	259		258	
Caprolactam	333	333	271		278	
Carbazole	333	333	286		277	
Chrysene	333	333	296		287	
Dibenz(a,h)anthracene	333	333	350		311	
Dibenzofuran	333	333	251		244	
Diethyl phthalate	333	333	270		267	
Dimethyl phthalate	333	333	260		253	
Di-n-butyl phthalate	333	333	321		312	
Di-n-octyl phthalate	333	333	238		244	
Diphenyl oxide	333	333	229		214	
Fluoranthene	333	333	293		281	
Fluorene	333	333	312		303	
Hexachlorobenzene	333	333	261		245	
Hexachlorobutadiene	333	333	193		179	
Hexachlorocyclopentadiene	333	333	181		186	
Hexachloroethane	333	333	203		188	
Indeno[1,2,3-cd]pyrene	333	333	351		316	
Isophorone	333	333	196		187	
Naphthalene	333	333	243		228	
Nitrobenzene	333	333	212		199	
N-Nitrosodimethylamine	333	333	219		204	
N-Nitrosodi-n-propylamine	333	333	244		230	
N-Nitrosodiphenylamine	333	333	187		179	
Pentachlorophenol	333	333	239		239	
Phenanthrene	333	333	279		267	
Phenol	333	333	232		224	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48854

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48854/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48854/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/21/2009 2105			Date Analyzed:	09/21/2009 2136
Date Prepared:	09/11/2009 1142			Date Prepared:	09/11/2009 1142

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Pyrene	333	333	241	243

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48924/1-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03050.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 1953			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

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

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

Lab Sample ID:	MB 360-48924/1-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03050.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 1953			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
Benzo[a]pyrene	ND		10	33
Benzo[b]fluoranthene	ND		10	33
Benzo[g,h,i]perylene	ND		10	33
Benzo[k]fluoranthene	ND		10	33
Benzoic acid	ND		15	170
Benzophenone	ND		10	33
Benzyl alcohol	ND		28	67
Bis(2-chloroethoxy)methane	ND		10	33
Bis(2-chloroethyl)ether	ND		10	33
Bis(2-ethylhexyl) phthalate	19.4	J	10	33
Butyl benzyl phthalate	ND		10	33
Caprolactam	ND		10	33
Carbazole	ND		10	33
Chrysene	ND		10	33
Dibenz(a,h)anthracene	ND		10	33
Dibenzofuran	ND		10	33
Diethyl phthalate	ND		10	33
Dimethyl phthalate	ND		10	33
Di-n-butyl phthalate	82.2		29	33
Di-n-octyl phthalate	ND		17	33
Diphenyl oxide	ND		10	33
Diphenylamine	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

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	78	30 - 130
2-Fluorophenol	88	30 - 130
2-Fluorobiphenyl	79	30 - 130
Nitrobenzene-d5	78	30 - 130
Phenol-d5	93	30 - 130
Terphenyl-d14	86	30 - 130

Method Blank TICs- Batch: 360-48924

Cas Number	Analyte	RT	Est. Result	Qual
121-33-5	Vanillin	8.88	13.3	T J N
111-82-0	Dodecanoic acid, methyl ester	9.51	10.8	T J N
544-76-3	Hexadecane	9.88	22.6	T J N
112-95-8	Eicosane	11.61	15.9	T J N
593-45-3	Octadecane	12.36	11.0	T J N

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48924/2-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03051.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2020			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48924/3-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03052.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2047			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1'-Biphenyl	88	94	40 - 140	7	30		
1,2,4,5-Tetrachlorobenzene	83	90	40 - 140	8	30		
1,2,4-Trichlorobenzene	73	81	40 - 140	10	30		
1,2-Dichlorobenzene	60	64	40 - 140	5	30		
1,3-Dichlorobenzene	60	64	40 - 140	7	30		
1,4-Dichlorobenzene	60	64	40 - 140	6	30		
1-Methylnaphthalene	82	91	40 - 140	11	30		
2,2'-oxybis[1-chloropropane]	67	70	40 - 140	5	30		
2,3,4,6-Tetrachlorophenol	81	88	40 - 140	9	30		
2,4,5-Trichlorophenol	93	100	30 - 130	7	30		
2,4,6-Trichlorophenol	92	97	30 - 130	6	30		
2,4-Dichlorophenol	88	96	30 - 130	9	30		
2,4-Dimethylphenol	94	103	30 - 130	9	30		
2,4-Dinitrophenol	68	78	30 - 130	14	30		
2,4-Dinitrotoluene	87	91	40 - 140	4	30		
2,6-Dinitrotoluene	93	98	40 - 140	5	30		
2-Chloronaphthalene	62	65	40 - 140	5	30		
2-Chlorophenol	70	74	30 - 130	5	30		
2-Methylnaphthalene	81	87	40 - 140	7	30		
2-Methylphenol	76	80	30 - 130	5	30		
2-Nitroaniline	87	85	40 - 140	3	30		
2-Nitrophenol	83	91	30 - 130	10	30		
3 & 4 Methylphenol	80	84	30 - 130	5	30		
3,3'-Dichlorobenzidine	99	112	40 - 140	13	30		
3-Nitroaniline	101	110	40 - 140	8	30		
4,6-Dinitro-2-methylphenol	81	90	30 - 130	11	30		
4-Bromophenyl phenyl ether	89	95	40 - 140	6	30		
4-Chloro-3-methylphenol	92	100	30 - 130	9	30		
4-Chloroaniline	79	88	40 - 140	11	30		
4-Chlorophenyl phenyl ether	87	93	40 - 140	7	30		
4-Nitroaniline	94	98	40 - 140	4	30		
4-Nitrophenol	94	103	30 - 130	9	30		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48924/2-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03051.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2020			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48924/3-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03052.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2047			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	95	102	40 - 140	7	30		
Acenaphthylene	87	93	40 - 140	6	30		
Acetophenone	76	81	40 - 140	6	30		
Aniline	31	33	40 - 140	6	30	*	*
Anthracene	110	120	40 - 140	9	30		
Atrazine	103	111	40 - 140	8	30		
Azobenzene	93	99	40 - 140	6	30		
Benzaldehyde	76	81	40 - 140	6	30		
Benzo[a]anthracene	109	122	40 - 140	11	30		
Benzo[a]pyrene	106	113	40 - 140	6	30		
Benzo[b]fluoranthene	97	105	40 - 140	9	30		
Benzo[g,h,i]perylene	115	124	40 - 140	7	30		
Benzo[k]fluoranthene	104	111	40 - 140	6	30		
Benzoic acid	34	36	30 - 130	7	30	J	J
Benzophenone	99	107	40 - 140	7	30		
Benzyl alcohol	71	76	30 - 130	7	30		
Bis(2-chloroethoxy)methane	85	93	40 - 140	10	30		
Bis(2-chloroethyl)ether	65	68	40 - 140	5	30		
Bis(2-ethylhexyl) phthalate	105	109	40 - 140	3	30		
Butyl benzyl phthalate	97	103	40 - 140	6	30		
Caprolactam	94	105	40 - 140	12	30		
Carbazole	101	110	40 - 140	9	30		
Chrysene	104	113	40 - 140	8	30		
Dibenz(a,h)anthracene	107	113	40 - 140	6	30		
Dibenzofuran	85	89	40 - 140	5	30		
Diethyl phthalate	97	103	40 - 140	5	30		
Dimethyl phthalate	91	98	40 - 140	7	30		
Di-n-butyl phthalate	119	126	40 - 140	6	30		
Di-n-octyl phthalate	95	98	40 - 140	3	30		
Diphenyl oxide	87	97	40 - 140	11	30		
Fluoranthene	104	115	40 - 140	9	30		
Fluorene	104	109	40 - 140	4	30		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48924/2-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03051.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2020			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48924/3-A	Analysis Batch:	360-49259	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03052.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/21/2009 2047			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hexachlorobenzene	87	91	40 - 140	5	30		
Hexachlorobutadiene	76	82	40 - 140	8	30		
Hexachlorocyclopentadiene	70	77	40 - 140	9	30		
Hexachloroethane	64	68	40 - 140	5	30		
Indeno[1,2,3-cd]pyrene	106	115	40 - 140	8	30		
Isophorone	71	77	40 - 140	9	30		
Naphthalene	77	85	40 - 140	10	30		
Nitrobenzene	84	92	40 - 140	9	30		
N-Nitrosodimethylamine	76	81	40 - 140	7	30		
N-Nitrosodi-n-propylamine	75	80	40 - 140	7	30		
N-Nitrosodiphenylamine	69	74	40 - 140	7	30		
Pentachlorophenol	94	102	30 - 130	9	30		
Phenanthrene	94	101	40 - 140	8	30		
Phenol	73	78	30 - 130	6	30		
Pyrene	101	111	40 - 140	9	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	84	90	30 - 130
2-Fluorophenol	66	68	30 - 130
2-Fluorobiphenyl	78	79	30 - 130
Nitrobenzene-d5	79	84	30 - 130
Phenol-d5	70	71	30 - 130
Terphenyl-d14	82	86	30 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48924/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48924/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/21/2009 2020			Date Analyzed:	09/21/2009 2047
Date Prepared:	09/14/2009 1300			Date Prepared:	09/14/2009 1300

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1'-Biphenyl	333	333	293		312	
1,2,4,5-Tetrachlorobenzene	333	333	277		301	
1,2,4-Trichlorobenzene	333	333	245		271	
1,2-Dichlorobenzene	333	333	202		212	
1,3-Dichlorobenzene	333	333	199		212	
1,4-Dichlorobenzene	333	333	201		214	
1-Methylnaphthalene	333	333	272		304	
2,2'-oxybis[1-chloropropane]	333	333	222		235	
2,3,4,6-Tetrachlorophenol	333	333	270		294	
2,4,5-Trichlorophenol	333	333	311		335	
2,4,6-Trichlorophenol	333	333	306		324	
2,4-Dichlorophenol	333	333	292		321	
2,4-Dimethylphenol	333	333	312		343	
2,4-Dinitrophenol	333	333	226		260	
2,4-Dinitrotoluene	333	333	292		304	
2,6-Dinitrotoluene	333	333	311		326	
2-Chloronaphthalene	333	333	206		216	
2-Chlorophenol	333	333	234		246	
2-Methylnaphthalene	333	333	269		289	
2-Methylphenol	333	333	254		268	
2-Nitroaniline	333	333	291		283	
2-Nitrophenol	333	333	276		304	
3 & 4 Methylphenol	333	333	267		280	
3,3'-Dichlorobenzidine	333	333	329		373	
3-Nitroaniline	333	333	336		365	
4,6-Dinitro-2-methylphenol	333	333	270		299	
4-Bromophenyl phenyl ether	333	333	297		317	
4-Chloro-3-methylphenol	333	333	306		334	
4-Chloroaniline	333	333	262		292	
4-Chlorophenyl phenyl ether	333	333	290		310	
4-Nitroaniline	333	333	313		327	
4-Nitrophenol	333	333	314		343	
Acenaphthene	333	333	317		339	
Acenaphthylene	333	333	290		309	
Acetophenone	333	333	254		271	
Aniline	333	333	103	*	109	*
Anthracene	333	333	367		401	
Atrazine	333	333	343		371	
Azobenzene	333	333	312		332	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48924/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48924/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/21/2009 2020			Date Analyzed:	09/21/2009 2047
Date Prepared:	09/14/2009 1300			Date Prepared:	09/14/2009 1300

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Benzaldehyde	333	333	254		271	
Benzo[a]anthracene	333	333	363		406	
Benzo[a]pyrene	333	333	354		375	
Benzo[b]fluoranthene	333	333	322		351	
Benzo[g,h,i]perylene	333	333	385		413	
Benzo[k]fluoranthene	333	333	346		369	
Benzoic acid	333	333	113	J	121	J
Benzophenone	333	333	331		355	
Benzyl alcohol	333	333	237		253	
Bis(2-chloroethoxy)methane	333	333	282		311	
Bis(2-chloroethyl)ether	333	333	216		228	
Bis(2-ethylhexyl) phthalate	333	333	351		363	
Butyl benzyl phthalate	333	333	323		342	
Caprolactam	333	333	313		352	
Carbazole	333	333	337		367	
Chrysene	333	333	348		378	
Dibenz(a,h)anthracene	333	333	355		378	
Dibenzofuran	333	333	282		295	
Diethyl phthalate	333	333	325		342	
Dimethyl phthalate	333	333	305		326	
Di-n-butyl phthalate	333	333	397		421	
Di-n-octyl phthalate	333	333	318		328	
Diphenyl oxide	333	333	290		324	
Fluoranthene	333	333	348		382	
Fluorene	333	333	348		363	
Hexachlorobenzene	333	333	289		302	
Hexachlorobutadiene	333	333	252		273	
Hexachlorocyclopentadiene	333	333	233		256	
Hexachloroethane	333	333	215		225	
Indeno[1,2,3-cd]pyrene	333	333	354		382	
Isophorone	333	333	235		256	
Naphthalene	333	333	257		283	
Nitrobenzene	333	333	281		308	
N-Nitrosodimethylamine	333	333	253		271	
N-Nitrosodi-n-propylamine	333	333	249		268	
N-Nitrosodiphenylamine	333	333	230		247	
Pentachlorophenol	333	333	313		341	
Phenanthrene	333	333	313		338	
Phenol	333	333	245		259	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

LCS Lab Sample ID:	LCS 360-48924/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48924/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/21/2009 2020			Date Analyzed:	09/21/2009 2047
Date Prepared:	09/14/2009 1300			Date Prepared:	09/14/2009 1300

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Pyrene	333	333	338	369

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

MS Lab Sample ID:	360-24417-10	Analysis Batch:	360-49260	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03056.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	09/21/2009 2236			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

MSD Lab Sample ID:	360-24417-10	Analysis Batch:	360-49260	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03057.D
Dilution:	1.0			Initial Weight/Volume:	30.15 g
Date Analyzed:	09/21/2009 2303			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	166	81	40 - 140	68	30	F	F
1,2,4,5-Tetrachlorobenzene	80	77	40 - 140	4	30		
1,2,4-Trichlorobenzene	70	69	40 - 140	1	30		
1,2-Dichlorobenzene	57	56	40 - 140	2	30		
1,3-Dichlorobenzene	57	56	40 - 140	2	30		
1,4-Dichlorobenzene	58	57	40 - 140	2	30		
1-Methylnaphthalene	156	78	40 - 140	67	30	F	F
2,2'-oxybis[1-chloropropane]	64	62	40 - 140	2	30		
2,3,4,6-Tetrachlorophenol	159	75	40 - 140	72	30	F	F
2,4,5-Trichlorophenol	92	83	30 - 130	10	30		
2,4,6-Trichlorophenol	91	85	30 - 130	7	30		
2,4-Dichlorophenol	85	81	30 - 130	4	30		
2,4-Dimethylphenol	90	87	30 - 130	3	30		
2,4-Dinitrophenol	22	18	30 - 130	20	30	F	F
2,4-Dinitrotoluene	85	80	40 - 140	7	30		
2,6-Dinitrotoluene	89	82	40 - 140	8	30		
2-Chloronaphthalene	59	56	40 - 140	6	30		
2-Chlorophenol	69	67	30 - 130	3	30		
2-Methylnaphthalene	78	74	40 - 140	6	30		
2-Methylphenol	75	73	30 - 130	3	30		
2-Nitroaniline	82	74	40 - 140	10	30		
2-Nitrophenol	73	71	30 - 130	3	30		
3 & 4 Methylphenol	78	75	30 - 130	4	30		
3,3'-Dichlorobenzidine	98	93	40 - 140	5			
3-Nitroaniline	103	91	40 - 140	12	30		
4,6-Dinitro-2-methylphenol	32	23	30 - 130	32	30	J	J F
4-Bromophenyl phenyl ether	84	81	40 - 140	3	30		
4-Chloro-3-methylphenol	88	84	30 - 130	4	30		
4-Chloroaniline	73	73	40 - 140	0	30		
4-Chlorophenyl phenyl ether	85	79	40 - 140	7	30		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

MS Lab Sample ID:	360-24417-10	Analysis Batch:	360-49260	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03056.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	09/21/2009 2236			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

MSD Lab Sample ID:	360-24417-10	Analysis Batch:	360-49260	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03057.D
Dilution:	1.0			Initial Weight/Volume:	30.15 g
Date Analyzed:	09/21/2009 2303			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4-Nitroaniline	91	85	40 - 140	7	30		
4-Nitrophenol	89	81	30 - 130	9	30		
Acenaphthene	93	85	40 - 140	8	30		
Acenaphthylene	86	79	40 - 140	8	30		
Acetophenone	74	73	40 - 140	2	30		
Aniline	30	29	40 - 140	1	30	F	F
Anthracene	108	104	40 - 140	4	30		
Atrazine	194	91	40 - 140	72	30	F	F
Azobenzene	74	85	40 - 140	14	30		
Benzaldehyde	74	73	40 - 140	2	30		
Benzo[a]anthracene	108	102	40 - 140	6	30		
Benzo[a]pyrene	102	96	40 - 140	6	30		
Benzo[b]fluoranthene	90	93	40 - 140	4	30		
Benzo[g,h,i]perylene	120	107	40 - 140	11	30		
Benzo[k]fluoranthene	98	88	40 - 140	11	30		
Benzoic acid	18	18	30 - 130	2	30	J F	J F
Benzophenone	170	92	40 - 140	59	30	F	F
Benzyl alcohol	65	63	30 - 130	3	30		
Bis(2-chloroethoxy)methane	82	80	40 - 140	3	30		
Bis(2-chloroethyl)ether	63	61	40 - 140	2	30		
Bis(2-ethylhexyl) phthalate	95	91	40 - 140	4	30		
Butyl benzyl phthalate	92	86	40 - 140	6	30		
Caprolactam	189	88	40 - 140	73	30	F	F
Carbazole	99	92	40 - 140	7	30		
Chrysene	102	98	40 - 140	4	30		
Dibenz(a,h)anthracene	107	99	40 - 140	8	30		
Dibenzofuran	81	76	40 - 140	6	30		
Diethyl phthalate	94	88	40 - 140	7	30		
Dimethyl phthalate	89	84	40 - 140	6	30		
Di-n-butyl phthalate	91	88	40 - 140	4	30		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

MS Lab Sample ID:	360-24417-10	Analysis Batch:	360-49260	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03056.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	09/21/2009 2236			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

MSD Lab Sample ID:	360-24417-10	Analysis Batch:	360-49260	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48924	Lab File ID:	J03057.D
Dilution:	1.0			Initial Weight/Volume:	30.15 g
Date Analyzed:	09/21/2009 2303			Final Weight/Volume:	1.0 mL
Date Prepared:	09/14/2009 1300			Injection Volume:	1.0 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Di-n-octyl phthalate	86	81	40 - 140	6	30		
Diphenyl oxide	166	83	40 - 140	67	30	F	F
Fluoranthene	105	98	40 - 140	7	30		
Fluorene	101	95	40 - 140	6	30		
Hexachlorobenzene	83	79	40 - 140	6	30		
Hexachlorobutadiene	71	71	40 - 140	1	30		
Hexachlorocyclopentadiene	35	34	40 - 140	4	30	F	F
Hexachloroethane	60	60	40 - 140	1	30		
Indeno[1,2,3-cd]pyrene	108	98	40 - 140	10	30		
Isophorone	67	65	40 - 140	3	30		
Naphthalene	74	72	40 - 140	3	30		
Nitrobenzene	81	78	40 - 140	3	30		
N-Nitrosodimethylamine	73	72	40 - 140	1	30		
N-Nitrosodi-n-propylamine	73	71	40 - 140	2	30		
N-Nitrosodiphenylamine	67	64	40 - 140	4	30		
Pentachlorophenol	91	79	30 - 130	14	30		
Phenanthrene	91	87	40 - 140	4	30		
Phenol	72	69	30 - 130	5	30		
Pyrene	98	93	40 - 140	5	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	81	75	30 - 130
2-Fluorophenol	64	61	30 - 130
2-Fluorobiphenyl	72	68	30 - 130
Nitrobenzene-d5	73	71	30 - 130
Phenol-d5	65	63	30 - 130
Terphenyl-d14	76	73	30 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

MS Lab Sample ID:	360-24417-10	Units: ug/Kg	MSD Lab Sample ID:	360-24417-10
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/21/2009 2236		Date Analyzed:	09/21/2009 2303
Date Prepared:	09/14/2009 1300		Date Prepared:	09/14/2009 1300

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1'-Biphenyl	ND	374	375	621	F	305	F
1,2,4,5-Tetrachlorobenzene	ND	374	375	300		287	
1,2,4-Trichlorobenzene	ND	374	375	263		260	
1,2-Dichlorobenzene	ND	374	375	215		211	
1,3-Dichlorobenzene	ND	374	375	214		209	
1,4-Dichlorobenzene	ND	374	375	217		212	
1-Methylnaphthalene	ND	374	375	583	F	292	F
2,2'-oxybis[1-chloropropane]	ND	374	375	238		232	
2,3,4,6-Tetrachlorophenol	ND	374	375	595	F	280	F
2,4,5-Trichlorophenol	ND	374	375	343		310	
2,4,6-Trichlorophenol	ND	374	375	342		318	
2,4-Dichlorophenol	ND	374	375	317		304	
2,4-Dimethylphenol	ND	374	375	336		325	
2,4-Dinitrophenol	ND	374	375	83.7	F	68.3	F
2,4-Dinitrotoluene	ND	374	375	319		298	
2,6-Dinitrotoluene	ND	374	375	332		308	
2-Chloronaphthalene	ND	374	375	222		209	
2-Chlorophenol	ND	374	375	258		250	
2-Methylnaphthalene	ND	374	375	292		276	
2-Methylphenol	ND	374	375	281		274	
2-Nitroaniline	ND	374	375	308		278	
2-Nitrophenol	ND	374	375	272		265	
3 & 4 Methylphenol	ND	374	375	292		280	
3,3'-Dichlorobenzidine	ND	374	375	366		349	
3-Nitroaniline	ND	374	375	387		343	
4,6-Dinitro-2-methylphenol	ND	374	375	118	J	85.2	J F
4-Bromophenyl phenyl ether	ND	374	375	313		303	
4-Chloro-3-methylphenol	ND	374	375	329		315	
4-Chloroaniline	ND	374	375	273		273	
4-Chlorophenyl phenyl ether	ND	374	375	317		296	
4-Nitroaniline	ND	374	375	341		320	
4-Nitrophenol	ND	374	375	332		304	
Acenaphthene	ND	374	375	346		320	
Acenaphthylene	ND	374	375	320		295	
Acetophenone	ND	374	375	279		272	
Aniline	ND	374	375	111	F	110	F
Anthracene	ND	374	375	405		390	
Atrazine	ND	374	375	728	F	342	F
Azobenzene	ND	374	375	277		317	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

MS Lab Sample ID:	360-24417-10	Units: ug/Kg	MSD Lab Sample ID:	360-24417-10
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/21/2009 2236		Date Analyzed:	09/21/2009 2303
Date Prepared:	09/14/2009 1300		Date Prepared:	09/14/2009 1300

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Benzaldehyde	ND		374	375	279		272	
Benzo[a]anthracene	ND		374	375	404		382	
Benzo[a]pyrene	ND		374	375	381		359	
Benzo[b]fluoranthene	ND		374	375	336		349	
Benzo[g,h,i]perylene	ND		374	375	448		401	
Benzo[k]fluoranthene	ND		374	375	369		330	
Benzoic acid	ND		374	375	68.0	J F	69.3	J F
Benzophenone	ND		374	375	636	F	345	F
Benzyl alcohol	ND		374	375	242		236	
Bis(2-chloroethoxy)methane	ND		374	375	309		300	
Bis(2-chloroethyl)ether	ND		374	375	234		230	
Bis(2-ethylhexyl) phthalate	28	J	374	375	385		371	
Butyl benzyl phthalate	ND		374	375	342		322	
Caprolactam	ND		374	375	709	F	329	F
Carbazole	ND		374	375	372		346	
Chrysene	ND		374	375	382		369	
Dibenz(a,h)anthracene	ND		374	375	401		370	
Dibenzofuran	ND		374	375	305		287	
Diethyl phthalate	ND		374	375	353		328	
Dimethyl phthalate	ND		374	375	335		314	
Di-n-butyl phthalate	ND		374	375	342		330	
Di-n-octyl phthalate	ND		374	375	321		302	
Diphenyl oxide	ND		374	375	622	F	309	F
Fluoranthene	ND		374	375	393		366	
Fluorene	ND		374	375	378		355	
Hexachlorobenzene	ND		374	375	311		294	
Hexachlorobutadiene	ND		374	375	267		265	
Hexachlorocyclopentadiene	ND		374	375	131	F	126	F
Hexachloroethane	ND		374	375	226		223	
Indeno[1,2,3-cd]pyrene	ND		374	375	405		366	
Isophorone	ND		374	375	252		246	
Naphthalene	ND		374	375	278		268	
Nitrobenzene	ND		374	375	301		293	
N-Nitrosodimethylamine	ND		374	375	273		269	
N-Nitrosodi-n-propylamine	ND		374	375	272		266	
N-Nitrosodiphenylamine	ND		374	375	249		239	
Pentachlorophenol	ND		374	375	342		298	
Phenanthrene	ND		374	375	341		327	
Phenol	ND		374	375	270		258	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-48924

Method: 8270C LL
Preparation: 3546

MS Lab Sample ID:	360-24417-10	Units: ug/Kg	MSD Lab Sample ID:	360-24417-10
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/21/2009 2236		Date Analyzed:	09/21/2009 2303
Date Prepared:	09/14/2009 1300		Date Prepared:	09/14/2009 1300

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Pyrene	ND	374	375	367	350

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48958

Method: 8270C LL
Preparation: 3550B

Lab Sample ID:	MB 360-48958/1-A	Analysis Batch:	360-49397	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48958	Lab File ID:	J03102.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	100.00 g
Date Analyzed:	09/23/2009 2303			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1206			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
N-Nitrosodimethylamine	ND		1.2	5.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	61	30 - 130
2-Fluorophenol	63	30 - 130
2-Fluorobiphenyl	64	30 - 130
Nitrobenzene-d5	51	30 - 130
Phenol-d5	69	30 - 130
Terphenyl-d14	82	30 - 130

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48958

Method: 8270C LL
Preparation: 3550B

LCS Lab Sample ID:	LCS 360-48958/2-A	Analysis Batch:	360-49397	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48958	Lab File ID:	J03103.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	100.00 g
Date Analyzed:	09/23/2009 2337			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1206			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 360-48958/3-A	Analysis Batch:	360-49397	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48958	Lab File ID:	J03104.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	100.00 g
Date Analyzed:	09/24/2009 0011			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1206			Injection Volume:	1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
N-Nitrosodimethylamine	50	58	40 - 140	14	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	71	81	30 - 130
2-Fluorophenol	50	56	30 - 130
2-Fluorobiphenyl	63	72	30 - 130
Nitrobenzene-d5	58	69	30 - 130
Phenol-d5	55	61	30 - 130
Terphenyl-d14	73	86	30 - 130

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48958

Method: 8270C LL
Preparation: 3550B

LCS Lab Sample ID:	LCS 360-48958/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-48958/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/23/2009 2337			Date Analyzed:	09/24/2009 0011
Date Prepared:	09/15/2009 1206			Date Prepared:	09/15/2009 1206

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
N-Nitrosodimethylamine	100	100	50.2	57.5

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-48958

Method: 8270C LL
Preparation: 3550B

MS Lab Sample ID:	360-24417-10	Analysis Batch:	360-49397	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48958	Lab File ID:	J03106.D
Dilution:	1.0			Initial Weight/Volume:	100.50 g
Date Analyzed:	09/24/2009 0119			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1206			Injection Volume:	1.0 uL

MSD Lab Sample ID:	360-24417-10	Analysis Batch:	360-49397	Instrument ID:	Agilent 6890/5973 GC/MS
Client Matrix:	Solid	Prep Batch:	360-48958	Lab File ID:	J03107.D
Dilution:	1.0			Initial Weight/Volume:	100.15 g
Date Analyzed:	09/24/2009 0153			Final Weight/Volume:	1.0 mL
Date Prepared:	09/15/2009 1206			Injection Volume:	1.0 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
N-Nitrosodimethylamine	56	60	40 - 140	7	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	75	80	30 - 130
2-Fluorobiphenyl	64	67	30 - 130
2-Fluorophenol	52	53	30 - 130
Nitrobenzene-d5	62	68	30 - 130
Phenol-d5	56	57	30 - 130
Terphenyl-d14	82	78	30 - 130

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-48958

Method: 8270C LL
Preparation: 3550B

MS Lab Sample ID:	360-24417-10	Units: ug/Kg	MSD Lab Sample ID:	360-24417-10
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/24/2009 0119		Date Analyzed:	09/24/2009 0153
Date Prepared:	09/15/2009 1206		Date Prepared:	09/15/2009 1206

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
N-Nitrosodimethylamine	ND	112	113	63.2	68.0

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 640-60432

Method: 8315A
Preparation: 8315_S_Prep

Lab Sample ID:	MB 640-60432/1-A	Analysis Batch:	640-60685	Instrument ID:	LCM Waters 486
Client Matrix:	Solid	Prep Batch:	640-60432	Lab File ID:	1I04I3.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	20.0 g
Date Analyzed:	09/04/2009 1411			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

Analyte	Result	Qual	MDL	RL
Formaldehyde	ND		78	100
Acetaldehyde	ND		29	200

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 640-60432

Method: 8315A
Preparation: 8315_S_Prep

LCS Lab Sample ID:	LCS 640-60432/2-A	Analysis Batch:	640-60685	Instrument ID:	LCM Waters 486
Client Matrix:	Solid	Prep Batch:	640-60432	Lab File ID:	1I04I4.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	20.0 g
Date Analyzed:	09/04/2009 1423			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

LCSD Lab Sample ID:	LCSD 640-60432/3-A	Analysis Batch:	640-60685	Instrument ID:	LCM Waters 486
Client Matrix:	Solid	Prep Batch:	640-60432	Lab File ID:	1I04I5.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	20.0 g
Date Analyzed:	09/04/2009 1434			Final Weight/Volume:	4.0 mL
Date Prepared:	09/04/2009 0735			Injection Volume:	10 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Formaldehyde	95	98	71 - 122	3	30		
Acetaldehyde	84	85	61 - 131	2	30		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 640-60432

Method: 8315A
Preparation: 8315_S_Prep

LCS Lab Sample ID:	LCS 640-60432/2-A	Units: ug/Kg	LCSD Lab Sample ID: LCSD 640-60432/3-A
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Date Analyzed:	09/04/2009 1423		Date Analyzed: 09/04/2009 1434
Date Prepared:	09/04/2009 0735		Date Prepared: 09/04/2009 0735

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Formaldehyde	750	750	712	733
Acetaldehyde	750	750	628	640

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 640-60432

Method: 8315A
Preparation: 8315_S_Prep

MS Lab Sample ID:	360-24417-10	Analysis Batch: 640-60685	Instrument ID: LCM Waters 486
Client Matrix:	Solid	Prep Batch: 640-60432	Lab File ID: 1I04I17.d
Dilution:	1.0		Initial Weight/Volume: 20.4 g
Date Analyzed:	09/04/2009 1656		Final Weight/Volume: 4.0 mL
Date Prepared:	09/04/2009 0735		Injection Volume: 10 uL

MSD Lab Sample ID:	360-24417-10	Analysis Batch: 640-60685	Instrument ID: LCM Waters 486
Client Matrix:	Solid	Prep Batch: 640-60432	Lab File ID: 1I04I18.d
Dilution:	1.0		Initial Weight/Volume: 20.1 g
Date Analyzed:	09/04/2009 1708		Final Weight/Volume: 4.0 mL
Date Prepared:	09/04/2009 0735		Injection Volume: 10 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Formaldehyde	87	94	31 - 131	7	30		
Acetaldehyde	84	88	30 - 130	6	30		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 640-60432

Method: 8315A
Preparation: 8315_S_Prep

MS Lab Sample ID:	360-24417-10	Units: ug/Kg	MSD Lab Sample ID:	360-24417-10
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/04/2009 1656		Date Analyzed:	09/04/2009 1708
Date Prepared:	09/04/2009 0735		Date Prepared:	09/04/2009 0735

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Formaldehyde	270	831	843	987	1060
Acetaldehyde	ND	831	843	701	745

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 640-60434

Method: LC65
Preparation: LC65

Lab Sample ID:	MB 640-60434/1-A	Analysis Batch:	640-60681	Instrument ID:	LCJ Waters 484
Client Matrix:	Solid	Prep Batch:	640-60434	Lab File ID:	1I09J3.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5.00 g
Date Analyzed:	09/09/2009 1458			Final Weight/Volume:	4.0 mL
Date Prepared:	09/08/2009 0740			Injection Volume:	20 uL

Analyte	Result	Qual	MDL	RL
Phthalic Acid/Phthalic anhydride	ND		18	100

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 640-60434

Method: LC65
Preparation: LC65

LCS Lab Sample ID:	LCS 640-60434/2-A	Analysis Batch:	640-60681	Instrument ID:	LCJ Waters 484
Client Matrix:	Solid	Prep Batch:	640-60434	Lab File ID:	1I09J4.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5.00 g
Date Analyzed:	09/09/2009 1511			Final Weight/Volume:	4.0 mL
Date Prepared:	09/08/2009 0740			Injection Volume:	20 uL

LCSD Lab Sample ID:	LCSD 640-60434/3-A	Analysis Batch:	640-60681	Instrument ID:	LCJ Waters 484
Client Matrix:	Solid	Prep Batch:	640-60434	Lab File ID:	1I09J5.d
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5.00 g
Date Analyzed:	09/09/2009 1524			Final Weight/Volume:	4.0 mL
Date Prepared:	09/08/2009 0740			Injection Volume:	20 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phthalic Acid/Phthalic anhydride	63	66	60 - 140	5	50		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 640-60434

Method: LC65
Preparation: LC65

LCS Lab Sample ID:	LCS 640-60434/2-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 640-60434/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/09/2009 1511			Date Analyzed:	09/09/2009 1524
Date Prepared:	09/08/2009 0740			Date Prepared:	09/08/2009 0740

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Phthalic Acid/Phthalic anhydride	400	400	250	263

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 640-60434

Method: LC65
Preparation: LC65

MS Lab Sample ID:	360-24417-10	Analysis Batch: 640-60681	Instrument ID: LCJ Waters 484
Client Matrix:	Solid	Prep Batch: 640-60434	Lab File ID: 1I09J13.d
Dilution:	1.0		Initial Weight/Volume: 5.24 g
Date Analyzed:	09/09/2009 1707		Final Weight/Volume: 4.0 mL
Date Prepared:	09/08/2009 0740		Injection Volume: 20 uL

MSD Lab Sample ID:	360-24417-10	Analysis Batch: 640-60681	Instrument ID: LCJ Waters 484
Client Matrix:	Solid	Prep Batch: 640-60434	Lab File ID: 1I09J14.d
Dilution:	1.0		Initial Weight/Volume: 5.30 g
Date Analyzed:	09/09/2009 1719		Final Weight/Volume: 4.0 mL
Date Prepared:	09/08/2009 0740		Injection Volume: 20 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phthalic Acid/Phthalic anhydride	58	52	60 - 140	12	50	F	F

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 640-60434

Method: LC65
Preparation: LC65

MS Lab Sample ID:	360-24417-10	Units: ug/Kg	MSD Lab Sample ID:	360-24417-10
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/09/2009 1707		Date Analyzed:	09/09/2009 1719
Date Prepared:	09/08/2009 0740		Date Prepared:	09/08/2009 0740

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Phthalic Acid/Phthalic anhydride	ND	431	427	251	F	223	F

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48596

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 360-48596/1-A	Analysis Batch:	360-48668	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-48596	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/04/2009 1309			Final Weight/Volume:	100 mL
Date Prepared:	09/04/2009 0857				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		0.65	2.5
Antimony	ND		0.18	0.50
Arsenic	ND		0.091	1.0
Barium	0.0780	J	0.065	0.50
Beryllium	ND		0.025	0.20
Cadmium	ND		0.0070	0.20
Calcium	7.56	J	2.5	10
Chromium	ND		0.066	0.50
Cobalt	ND		0.065	0.50
Copper	ND		0.065	1.0
Iron	1.37	J	0.80	5.0
Lead	ND		0.057	0.50
Magnesium	2.27	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	0.116	J	0.072	1.0
Vanadium	ND		0.065	1.0
Zinc	ND		0.59	2.5
Tin	0.418	J	0.32	5.0

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48596

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-48596/2-A	Analysis Batch:	360-48668	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-48596	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/04/2009 1312			Final Weight/Volume:	100 mL
Date Prepared:	09/04/2009 0857				

LCSD Lab Sample ID:	LCSD 360-48596/3-A	Analysis Batch:	360-48668	Instrument ID:	Varian 720 ES ICP
Client Matrix:	Solid	Prep Batch:	360-48596	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.0 g
Date Analyzed:	09/04/2009 1315			Final Weight/Volume:	100 mL
Date Prepared:	09/04/2009 0857				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aluminum	91	90	80 - 120	2	30		
Antimony	86	87	80 - 120	0	30		
Arsenic	91	89	80 - 120	2	30		
Barium	94	93	80 - 120	1	30		
Beryllium	90	89	80 - 120	1	30		
Cadmium	90	89	80 - 120	2	30		
Calcium	93	91	80 - 120	2	30		
Chromium	92	91	80 - 120	1	30		
Cobalt	92	90	80 - 120	1	30		
Copper	94	93	80 - 120	0	30		
Iron	92	91	80 - 120	1	30		
Lead	90	89	80 - 120	2	30		
Magnesium	91	89	80 - 120	2	30		
Manganese	92	91	80 - 120	1	30		
Nickel	91	90	80 - 120	1	30		
Potassium	86	83	80 - 120	4	30		
Selenium	89	89	80 - 120	1	30		
Silver	97	96	80 - 120	2	30		
Sodium	91	88	80 - 120	2	30		
Thallium	90	89	80 - 120	2	30		
Vanadium	93	92	80 - 120	1	30		
Zinc	89	87	80 - 120	2	30		
Tin	92	91	80 - 120	1	30		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48596

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCS 360-48596/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-48596/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/04/2009 1312			Date Analyzed:	09/04/2009 1315
Date Prepared:	09/04/2009 0857			Date Prepared:	09/04/2009 0857

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	250	250	228	225
Antimony	50.0	50.0	43.2	43.4
Arsenic	50.0	50.0	45.4	44.6
Barium	50.0	50.0	47.0	46.4
Beryllium	50.0	50.0	45.1	44.6
Cadmium	50.0	50.0	45.2	44.5
Calcium	1000	1000	927	913
Chromium	50.0	50.0	46.2	45.6
Cobalt	50.0	50.0	45.8	45.1
Copper	50.0	50.0	46.9	46.7
Iron	250	250	229	226
Lead	50.0	50.0	45.1	44.5
Magnesium	1000	1000	911	894
Manganese	50.0	50.0	46.2	45.6
Nickel	50.0	50.0	45.5	45.1
Potassium	1000	1000	861	829
Selenium	50.0	50.0	44.5	44.3
Silver	50.0	50.0	48.6	47.8
Sodium	1000	1000	906	885
Thallium	50.0	50.0	45.2	44.4
Vanadium	50.0	50.0	46.5	46.0
Zinc	50.0	50.0	44.5	43.7
Tin	50.0	50.0	45.8	45.3

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike - Batch: 360-48596

Method: 6010B
Preparation: 3050B

Lab Sample ID: 360-24417-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2009 1359
Date Prepared: 09/04/2009 0857

Analysis Batch: 360-48668
Prep Batch: 360-48596
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 1.52 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	3800		372	4160	96	75 - 125	4
Antimony	0.46	J	74.4	47.5	63	75 - 125	F
Arsenic	2.5		74.4	69.6	90	75 - 125	
Barium	5.6		74.4	72.8	90	75 - 125	
Beryllium	0.12	J	74.4	67.4	91	75 - 125	
Cadmium	0.084	J	74.4	67.2	90	75 - 125	
Calcium	640		1490	2040	95	75 - 125	
Chromium	6.8		74.4	74.9	92	75 - 125	
Cobalt	1.7		74.4	69.1	91	75 - 125	
Copper	2.2		74.4	71.0	93	75 - 125	
Iron	5700		372	6250	162	75 - 125	4
Lead	1.4		74.4	67.5	89	75 - 125	
Magnesium	950		1490	2200	84	75 - 125	
Manganese	33		74.4	103	95	75 - 125	
Nickel	5.9		74.4	72.6	90	75 - 125	
Potassium	630		1490	2140	101	75 - 125	
Selenium	ND		74.4	65.7	88	75 - 125	
Silver	ND		74.4	70.6	95	75 - 125	
Sodium	37	J	1490	1350	88	75 - 125	
Thallium	ND		74.4	64.6	87	75 - 125	
Vanadium	6.4		74.4	75.7	93	75 - 125	
Zinc	7.5		74.4	74.0	89	75 - 125	
Tin	2.2	J	74.4	67.0	87	75 - 125	

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

Quality Control Results

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Duplicate - Batch: 360-48596

Method: 6010B
Preparation: 3050B

Lab Sample ID: 360-24417-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2009 1321
Date Prepared: 09/04/2009 0857

Analysis Batch: 360-48668
Prep Batch: 360-48596
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 1.52 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	3800		4290	12	35	
Antimony	0.46	J	ND	NC	35	
Arsenic	2.5		2.50	0	35	
Barium	5.6		6.81	20	35	
Beryllium	0.12	J	0.129	8	35	J
Cadmium	0.084	J	0.0799	5	35	J
Calcium	640		624	2	35	
Chromium	6.8		6.73	0	35	
Cobalt	1.7		1.81	5	35	
Copper	2.2		2.14	3	35	
Iron	5700		6060	7	35	
Lead	1.4		1.13	20	35	
Magnesium	950		1050	9	35	
Manganese	33		37.8	15	35	
Nickel	5.9		5.78	3	35	
Potassium	630		703	11	35	
Selenium	ND		ND	NC	35	
Silver	ND		ND	NC	35	
Sodium	37	J	40.9	11	35	J
Thallium	ND		ND	NC	35	
Vanadium	6.4		6.72	4	35	
Zinc	7.5		8.38	11	35	
Tin	2.2	J	2.08	6	35	J

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48671

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 360-48671/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2009 1333
Date Prepared: 09/08/2009 0829

Analysis Batch: 360-48764
Prep Batch: 360-48671
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.20 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.034	0.19

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48671

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 360-48671/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2009 1335
Date Prepared: 09/08/2009 0829

Analysis Batch: 360-48764
Prep Batch: 360-48671
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.20 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 360-48671/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2009 1337
Date Prepared: 09/08/2009 0829

Analysis Batch: 360-48764
Prep Batch: 360-48671
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.20 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	101	103	80 - 120	2	30		

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48671

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 360-48671/2-A
Units: mg/Kg
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2009 1335
Date Prepared: 09/08/2009 0829

LCSD Lab Sample ID: LCSD 360-48671/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2009 1337
Date Prepared: 09/08/2009 0829

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	1.25	1.25	1.26	1.29

Matrix Spike - Batch: 360-48671

Method: 7471A
Preparation: 7471A

Lab Sample ID: 360-24417-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2009 1343
Date Prepared: 09/08/2009 0829

Analysis Batch: 360-48764
Prep Batch: 360-48671
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.26 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	ND	1.09	1.13	104	75 - 125	

Duplicate - Batch: 360-48671

Method: 7471A
Preparation: 7471A

Lab Sample ID: 360-24417-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2009 1341
Date Prepared: 09/08/2009 0829

Analysis Batch: 360-48764
Prep Batch: 360-48671
Units: mg/Kg

Instrument ID: Leeman Labs Automated Mercury
Lab File ID: N/A
Initial Weight/Volume: 0.27 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	35	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48962

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 360-48905/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2009 1535
Date Prepared: N/A
Date Leached: 09/14/2009 0930

Analysis Batch: 360-48962
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL	RL
Sulfate-Soluble	ND		4.0	4.0
Chloride-Soluble	ND		2.0	2.0

Lab Control Sample - Batch: 360-48962

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 360-48905/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2009 1550
Date Prepared: N/A
Date Leached: 09/14/2009 0930

Analysis Batch: 360-48962
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate-Soluble	80.0	83.7	105	85 - 115	
Chloride-Soluble	40.0	42.6	106	85 - 115	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-48962

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	360-24417-10	Analysis Batch:	360-48962	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.0 mL
Date Analyzed:	09/14/2009 1906			Final Weight/Volume:	10 mL
Date Prepared:	N/A				
Date Leached:	09/14/2009 0930				

MSD Lab Sample ID:	360-24417-10	Analysis Batch:	360-48962	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.0 mL
Date Analyzed:	09/14/2009 1921			Final Weight/Volume:	10 mL
Date Prepared:	N/A				
Date Leached:	09/14/2009 0930				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfate-Soluble	104	103	75 - 125	1	20		
Chloride-Soluble	112	112	75 - 125	0	20		

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-48962

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	360-24417-10	Units: mg/Kg	MSD Lab Sample ID:	360-24417-10
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/14/2009 1906		Date Analyzed:	09/14/2009 1921
Date Prepared:	N/A		Date Prepared:	N/A
Date Leached:	09/14/2009 0930		Date Leached:	09/14/2009 0930

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Sulfate-Soluble	ND	225	225	234	232
Chloride-Soluble	ND	113	113	126	126

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48918

Method: L107-06-1B
Preparation: Distill/Ammonia

Lab Sample ID: MB 360-48918/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/15/2009 0916
Date Prepared: 09/14/2009 1126

Analysis Batch: 360-48967
Prep Batch: 360-48918
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	RL
Ammonia	ND		0.10	0.10

Lab Control Sample - Batch: 360-48918

Method: L107-06-1B
Preparation: Distill/Ammonia

Lab Sample ID: LCS 360-48918/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/15/2009 0917
Date Prepared: 09/14/2009 1126

Analysis Batch: 360-48967
Prep Batch: 360-48918
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia	10.0	9.97	100	85 - 115	

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48986

Method: L107-06-1B
Preparation: Distill/Ammonia

Lab Sample ID: MB 360-48986/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1330
Date Prepared: 09/15/2009 1130

Analysis Batch: 360-49040
Prep Batch: 360-48986
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	RL
Ammonia	ND		0.10	0.10

Lab Control Sample - Batch: 360-48986

Method: L107-06-1B
Preparation: Distill/Ammonia

Lab Sample ID: LCS 360-48986/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1331
Date Prepared: 09/15/2009 1130

Analysis Batch: 360-49040
Prep Batch: 360-48986
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia	10.0	9.87	99	85 - 115	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-48986

Method: L107-06-1B
Preparation: Distill/Ammonia

MS Lab Sample ID: 360-24417-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1344
Date Prepared: 09/15/2009 1130

Analysis Batch: 360-49040
Prep Batch: 360-48986

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 0.74 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 360-24417-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/16/2009 1345
Date Prepared: 09/15/2009 1130

Analysis Batch: 360-49040
Prep Batch: 360-48986

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 0.87 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	16	20	75 - 125	6	20	F	F

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 360-48986

Method: L107-06-1B
Preparation: Distill/Ammonia

MS Lab Sample ID:	360-24417-10	Units: mg/Kg	MSD Lab Sample ID:	360-24417-10
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/16/2009 1344		Date Analyzed:	09/16/2009 1345
Date Prepared:	09/15/2009 1130		Date Prepared:	09/15/2009 1130

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Ammonia	75	764	650	193	F	205	F

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

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Method Blank - Batch: 360-48727

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID: MB 360-48727/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2009 1039
Date Prepared: N/A

Analysis Batch: 360-48727
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 1.0 g

Analyte	Result	Qual	RL	RL
Total Organic Carbon	ND		1000	1000

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-48727

Method: Lloyd Kahn
Preparation: N/A

LCS Lab Sample ID: LCS 360-48727/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2009 1105
Date Prepared: N/A

Analysis Batch: 360-48727
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 1.0 g

LCSD Lab Sample ID: LCSD 360-48727/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2009 1137
Date Prepared: N/A

Analysis Batch: 360-48727
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 1.0 g

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon	111	105	80 - 120	6.1	20.0		

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

Quality Control Results

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-48727

Method: Lloyd Kahn
Preparation: N/A

LCS Lab Sample ID:	LCS 360-48727/2	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-48727/3
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/08/2009 1105			Date Analyzed:	09/08/2009 1137
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon	33500	33500	37200	35000

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

Quality Control Results

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Duplicate - Batch: 360-48551

Method: Moisture
Preparation: N/A

Lab Sample ID:	360-24417-11	Analysis Batch:	360-48551	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Units:	%	Initial Weight/Volume:	
Date Analyzed:	09/03/2009 1451			Final Weight/Volume:	
Date Prepared:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	13	14	3	20	
Percent Solids	87	86	1	20	

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

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD 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.
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
	F	MS or MSD 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.
	F	RPD of the MS and MSD exceeds the control limits
HPLC		
	F	MS or MSD exceeds the control limits

DATA REPORTING QUALIFIERS

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	V	Serial Dilution exceeds the control limits
General Chemistry		
	F	MS or MSD exceeds the control limits

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 360-48710					
LCS 360-48710/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-48710/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-48710/3-A	Method Blank	T	Solid	5035	
360-24417-3	OC-SB-463-6.0/8.0-XXX	T	Solid	5035	
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	5035	
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	5035	
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	5035	
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	5035	
Analysis Batch:360-48711					
LCS 360-48710/1-A	Lab Control Sample	T	Solid	8260B	360-48710
LCSD 360-48710/2-A	Lab Control Sample Duplicate	T	Solid	8260B	360-48710
MB 360-48710/3-A	Method Blank	T	Solid	8260B	360-48710
360-24417-3	OC-SB-463-6.0/8.0-XXX	T	Solid	8260B	360-48710
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	8260B	360-48710
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	8260B	360-48710
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	8260B	360-48710
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	8260B	360-48710
Prep Batch: 360-48765					
LCS 360-48765/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-48765/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-48765/3-A	Method Blank	T	Solid	5035	
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	5035	
360-24417-10MS	Matrix Spike	T	Solid	5035	
360-24417-10MSD	Matrix Spike Duplicate	T	Solid	5035	
Analysis Batch:360-48767					
LCS 360-48765/1-A	Lab Control Sample	T	Solid	8260B	360-48765
LCSD 360-48765/2-A	Lab Control Sample Duplicate	T	Solid	8260B	360-48765
MB 360-48765/3-A	Method Blank	T	Solid	8260B	360-48765
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	8260B	360-48765
360-24417-10MS	Matrix Spike	T	Solid	8260B	360-48765
360-24417-10MSD	Matrix Spike Duplicate	T	Solid	8260B	360-48765
Prep Batch: 360-48877					
LCS 360-48877/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-48877/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-48877/3-A	Method Blank	T	Solid	5035	
360-24417-1	OC-SB-463-0.0/1.0-XXX	T	Solid	5035	
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	5035	
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	5035	
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	5035	
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	5035	
360-24417-17	OC-TBK-012	T	Solid	5035	

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:360-48878					
LCS 360-48877/1-A	Lab Control Sample	T	Solid	8260B	360-48877
LCSD 360-48877/2-A	Lab Control Sample Duplicate	T	Solid	8260B	360-48877
MB 360-48877/3-A	Method Blank	T	Solid	8260B	360-48877
360-24417-1	OC-SB-463-0.0/1.0-XXX	T	Solid	8260B	360-48877
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	8260B	360-48877
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	8260B	360-48877
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	8260B	360-48877
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	8260B	360-48877
360-24417-17	OC-TBK-012	T	Solid	8260B	360-48877
Prep Batch: 360-48975					
LCS 360-48975/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-48975/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-48975/3-A	Method Blank	T	Solid	5035	
360-24417-8	OC-SB-465-16/18-XXX	T	Solid	5035	
Analysis Batch:360-48976					
LCS 360-48975/1-A	Lab Control Sample	T	Solid	8260B	360-48975
LCSD 360-48975/2-A	Lab Control Sample Duplicate	T	Solid	8260B	360-48975
MB 360-48975/3-A	Method Blank	T	Solid	8260B	360-48975
360-24417-8	OC-SB-465-16/18-XXX	T	Solid	8260B	360-48975

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 360-48800					
LCS 360-48800/2-A	Lab Control Sample	T	Solid	3550B	
LCSD 360-48800/3-A	Lab Control Sample Duplicate	T	Solid	3550B	
MB 360-48800/1-A	Method Blank	T	Solid	3550B	
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	3550B	
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	3550B	
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	3550B	
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	3550B	
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	3550B	
Prep Batch: 360-48854					
LCS 360-48854/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-48854/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-48854/1-A	Method Blank	T	Solid	3546	
360-24417-1	OC-SB-463-0.0/1.0-XXX	T	Solid	3546	
360-24417-3	OC-SB-463-6.0/8.0-XXX	T	Solid	3546	
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	3546	
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	3546	
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	3546	
360-24417-11DL3	OC-SB-468-0.0/1.0-XXX	T	Solid	3546	
Analysis Batch:360-48876					
LCS 360-48800/2-A	Lab Control Sample	T	Solid	8270C LL	360-48800
LCSD 360-48800/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-48800
MB 360-48800/1-A	Method Blank	T	Solid	8270C LL	360-48800
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	8270C LL	360-48800
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	8270C LL	360-48800
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	8270C LL	360-48800
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	8270C LL	360-48800
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	8270C LL	360-48800
Prep Batch: 360-48924					
LCS 360-48924/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-48924/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-48924/1-A	Method Blank	T	Solid	3546	
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	3546	
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	3546	
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	3546	
360-24417-10MS	Matrix Spike	T	Solid	3546	
360-24417-10MSD	Matrix Spike Duplicate	T	Solid	3546	
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	3546	
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	3546	
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	3546	

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 360-48958					
LCS 360-48958/2-A	Lab Control Sample	T	Solid	3550B	
LCSD 360-48958/3-A	Lab Control Sample Duplicate	T	Solid	3550B	
MB 360-48958/1-A	Method Blank	T	Solid	3550B	
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	3550B	
360-24417-10MS	Matrix Spike	T	Solid	3550B	
360-24417-10MSD	Matrix Spike Duplicate	T	Solid	3550B	
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	3550B	
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	3550B	
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	3550B	
Analysis Batch:360-49259					
LCS 360-48924/2-A	Lab Control Sample	T	Solid	8270C LL	360-48924
LCSD 360-48924/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-48924
MB 360-48924/1-A	Method Blank	T	Solid	8270C LL	360-48924
Analysis Batch:360-49260					
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	8270C LL	360-48924
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	8270C LL	360-48924
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	8270C LL	360-48924
360-24417-10MS	Matrix Spike	T	Solid	8270C LL	360-48924
360-24417-10MSD	Matrix Spike Duplicate	T	Solid	8270C LL	360-48924
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	8270C LL	360-48924
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	8270C LL	360-48924
Analysis Batch:360-49265					
LCS 360-48854/2-A	Lab Control Sample	T	Solid	8270C LL	360-48854
LCSD 360-48854/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-48854
MB 360-48854/1-A	Method Blank	T	Solid	8270C LL	360-48854
Analysis Batch:360-49266					
360-24417-1	OC-SB-463-0.0/1.0-XXX	T	Solid	8270C LL	360-48854
360-24417-3	OC-SB-463-6.0/8.0-XXX	T	Solid	8270C LL	360-48854
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	8270C LL	360-48854
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	8270C LL	360-48854
Analysis Batch:360-49397					
LCS 360-48958/2-A	Lab Control Sample	T	Solid	8270C LL	360-48958
LCSD 360-48958/3-A	Lab Control Sample Duplicate	T	Solid	8270C LL	360-48958
MB 360-48958/1-A	Method Blank	T	Solid	8270C LL	360-48958
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	8270C LL	360-48958
360-24417-10MS	Matrix Spike	T	Solid	8270C LL	360-48958
360-24417-10MSD	Matrix Spike Duplicate	T	Solid	8270C LL	360-48958
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	8270C LL	360-48958
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	8270C LL	360-48958
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	8270C LL	360-48958

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:360-49444					
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	8270C LL	360-48854
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	8270C LL	360-48924
Analysis Batch:360-49639					
360-24417-11DL3	OC-SB-468-0.0/1.0-XXX	T	Solid	8270C LL	360-48854

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC					
Prep Batch: 640-60432					
LCS 640-60432/2-A	Lab Control Sample	T	Solid	8315_S_Prep	
LCSD 640-60432/3-A	Lab Control Sample Duplicate	T	Solid	8315_S_Prep	
MB 640-60432/1-A	Method Blank	T	Solid	8315_S_Prep	
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	8315_S_Prep	
360-24417-5	OC-SB-464-26/28-XXX	T	Solid	8315_S_Prep	
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	8315_S_Prep	
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	8315_S_Prep	
360-24417-8	OC-SB-465-16/18-XXX	T	Solid	8315_S_Prep	
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	8315_S_Prep	
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	8315_S_Prep	
360-24417-10MS	Matrix Spike	T	Solid	8315_S_Prep	
360-24417-10MSD	Matrix Spike Duplicate	T	Solid	8315_S_Prep	
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	8315_S_Prep	
360-24417-12	OC-SB-468-31/33-XXX	T	Solid	8315_S_Prep	
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	8315_S_Prep	
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	8315_S_Prep	
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	8315_S_Prep	
360-24417-16	OC-SB-471-26/28-XXX	T	Solid	8315_S_Prep	
Prep Batch: 640-60434					
LCS 640-60434/2-A	Lab Control Sample	T	Solid	LC65	
LCSD 640-60434/3-A	Lab Control Sample Duplicate	T	Solid	LC65	
MB 640-60434/1-A	Method Blank	T	Solid	LC65	
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	LC65	
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	LC65	
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	LC65	
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	LC65	
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	LC65	
360-24417-10MS	Matrix Spike	T	Solid	LC65	
360-24417-10MSD	Matrix Spike Duplicate	T	Solid	LC65	
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	LC65	
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	LC65	
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	LC65	
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	LC65	

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC					
Analysis Batch:640-60681					
LCS 640-60434/2-A	Lab Control Sample	T	Solid	LC65	640-60434
LCSD 640-60434/3-A	Lab Control Sample Duplicate	T	Solid	LC65	640-60434
MB 640-60434/1-A	Method Blank	T	Solid	LC65	640-60434
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	LC65	640-60434
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	LC65	640-60434
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	LC65	640-60434
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	LC65	640-60434
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	LC65	640-60434
360-24417-10MS	Matrix Spike	T	Solid	LC65	640-60434
360-24417-10MSD	Matrix Spike Duplicate	T	Solid	LC65	640-60434
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	LC65	640-60434
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	LC65	640-60434
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	LC65	640-60434
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	LC65	640-60434
Analysis Batch:640-60685					
LCS 640-60432/2-A	Lab Control Sample	T	Solid	8315A	640-60432
LCSD 640-60432/3-A	Lab Control Sample Duplicate	T	Solid	8315A	640-60432
MB 640-60432/1-A	Method Blank	T	Solid	8315A	640-60432
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	8315A	640-60432
360-24417-5	OC-SB-464-26/28-XXX	T	Solid	8315A	640-60432
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	8315A	640-60432
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	8315A	640-60432
360-24417-8	OC-SB-465-16/18-XXX	T	Solid	8315A	640-60432
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	8315A	640-60432
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	8315A	640-60432
360-24417-10MS	Matrix Spike	T	Solid	8315A	640-60432
360-24417-10MSD	Matrix Spike Duplicate	T	Solid	8315A	640-60432
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	8315A	640-60432
360-24417-12	OC-SB-468-31/33-XXX	T	Solid	8315A	640-60432
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	8315A	640-60432
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	8315A	640-60432
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	8315A	640-60432
360-24417-16	OC-SB-471-26/28-XXX	T	Solid	8315A	640-60432

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-48596					
LCS 360-48596/2-A	Lab Control Sample	T	Solid	3050B	
LCSD 360-48596/3-A	Lab Control Sample Duplicate	T	Solid	3050B	
MB 360-48596/1-A	Method Blank	T	Solid	3050B	
360-24417-1	OC-SB-463-0.0/1.0-XXX	T	Solid	3050B	
360-24417-3	OC-SB-463-6.0/8.0-XXX	T	Solid	3050B	
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	3050B	
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	3050B	
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	3050B	
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	3050B	
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	3050B	
360-24417-10DU	Duplicate	T	Solid	3050B	
360-24417-10MS	Matrix Spike	T	Solid	3050B	
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	3050B	
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	3050B	
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	3050B	
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	3050B	
Analysis Batch:360-48668					
LCS 360-48596/2-A	Lab Control Sample	T	Solid	6010B	360-48596
LCSD 360-48596/3-A	Lab Control Sample Duplicate	T	Solid	6010B	360-48596
MB 360-48596/1-A	Method Blank	T	Solid	6010B	360-48596
360-24417-1	OC-SB-463-0.0/1.0-XXX	T	Solid	6010B	360-48596
360-24417-3	OC-SB-463-6.0/8.0-XXX	T	Solid	6010B	360-48596
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	6010B	360-48596
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	6010B	360-48596
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	6010B	360-48596
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	6010B	360-48596
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	6010B	360-48596
360-24417-10DU	Duplicate	T	Solid	6010B	360-48596
360-24417-10MS	Matrix Spike	T	Solid	6010B	360-48596
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	6010B	360-48596
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	6010B	360-48596
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	6010B	360-48596
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	6010B	360-48596

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-48671					
LCS 360-48671/2-A	Lab Control Sample	T	Solid	7471A	
LCSD 360-48671/3-A	Lab Control Sample Duplicate	T	Solid	7471A	
MB 360-48671/1-A	Method Blank	T	Solid	7471A	
360-24417-1	OC-SB-463-0.0/1.0-XXX	T	Solid	7471A	
360-24417-3	OC-SB-463-6.0/8.0-XXX	T	Solid	7471A	
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	7471A	
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	7471A	
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	7471A	
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	7471A	
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	7471A	
360-24417-10DU	Duplicate	T	Solid	7471A	
360-24417-10MS	Matrix Spike	T	Solid	7471A	
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	7471A	
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	7471A	
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	7471A	
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	7471A	
Analysis Batch:360-48764					
LCS 360-48671/2-A	Lab Control Sample	T	Solid	7471A	360-48671
LCSD 360-48671/3-A	Lab Control Sample Duplicate	T	Solid	7471A	360-48671
MB 360-48671/1-A	Method Blank	T	Solid	7471A	360-48671
360-24417-1	OC-SB-463-0.0/1.0-XXX	T	Solid	7471A	360-48671
360-24417-3	OC-SB-463-6.0/8.0-XXX	T	Solid	7471A	360-48671
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	7471A	360-48671
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	7471A	360-48671
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	7471A	360-48671
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	7471A	360-48671
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	7471A	360-48671
360-24417-10DU	Duplicate	T	Solid	7471A	360-48671
360-24417-10MS	Matrix Spike	T	Solid	7471A	360-48671
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	7471A	360-48671
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	7471A	360-48671
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	7471A	360-48671
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	7471A	360-48671

Report Basis
T = Total

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-48551					
360-24417-1	OC-SB-463-0.0/1.0-XXX	T	Solid	Moisture	
360-24417-2	OC-SB-463-28/30-XXX	T	Solid	Moisture	
360-24417-3	OC-SB-463-6.0/8.0-XXX	T	Solid	Moisture	
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	Moisture	
360-24417-5	OC-SB-464-26/28-XXX	T	Solid	Moisture	
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	Moisture	
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	Moisture	
360-24417-8	OC-SB-465-16/18-XXX	T	Solid	Moisture	
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	Moisture	
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	Moisture	
360-24417-10MS	Matrix Spike	T	Solid	Moisture	
360-24417-10MSD	Matrix Spike Duplicate	T	Solid	Moisture	
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	Moisture	
360-24417-11DU	Duplicate	T	Solid	Moisture	
360-24417-12	OC-SB-468-31/33-XXX	T	Solid	Moisture	
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	Moisture	
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	Moisture	
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	Moisture	
360-24417-16	OC-SB-471-26/28-XXX	T	Solid	Moisture	
Analysis Batch:360-48727					
LCS 360-48727/2	Lab Control Sample	T	Solid	Lloyd Kahn	
LCSD 360-48727/3	Lab Control Sample Duplicate	T	Solid	Lloyd Kahn	
MB 360-48727/1	Method Blank	T	Solid	Lloyd Kahn	
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	Lloyd Kahn	
360-24417-8	OC-SB-465-16/18-XXX	T	Solid	Lloyd Kahn	
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	Lloyd Kahn	
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	Lloyd Kahn	

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 360-48905					
LCS 360-48905/2-A	Lab Control Sample	S	Solid	DI Leach	
MB 360-48905/1-A	Method Blank	S	Solid	DI Leach	
360-24417-1	OC-SB-463-0.0/1.0-XXX	S	Solid	DI Leach	
360-24417-2	OC-SB-463-28/30-XXX	S	Solid	DI Leach	
360-24417-3	OC-SB-463-6.0/8.0-XXX	S	Solid	DI Leach	
360-24417-4	OC-SB-464-0.0/1.0-XXX	S	Solid	DI Leach	
360-24417-5	OC-SB-464-26/28-XXX	S	Solid	DI Leach	
360-24417-6	OC-SB-464-5.0/7.0-XXX	S	Solid	DI Leach	
360-24417-7	OC-SB-465-0.0/1.0-XXX	S	Solid	DI Leach	
360-24417-8	OC-SB-465-16/18-XXX	S	Solid	DI Leach	
360-24417-9	OC-SB-465-8.0/10-DUP	S	Solid	DI Leach	
360-24417-10	OC-SB-465-8.0/10-XXX	S	Solid	DI Leach	
360-24417-10MS	Matrix Spike	S	Solid	DI Leach	
360-24417-10MSD	Matrix Spike Duplicate	S	Solid	DI Leach	
360-24417-11	OC-SB-468-0.0/1.0-XXX	S	Solid	DI Leach	
360-24417-12	OC-SB-468-31/33-XXX	S	Solid	DI Leach	
360-24417-13	OC-SB-468-8.0/10-XXX	S	Solid	DI Leach	
360-24417-14	OC-SB-471-0.0/1.0-XXX	S	Solid	DI Leach	
360-24417-15	OC-SB-471-3.0/5.0-XXX	S	Solid	DI Leach	
360-24417-16	OC-SB-471-26/28-XXX	S	Solid	DI Leach	
Prep Batch: 360-48918					
LCS 360-48918/2-A	Lab Control Sample	T	Solid	Distill/Ammonia	
MB 360-48918/1-A	Method Blank	T	Solid	Distill/Ammonia	
360-24417-1	OC-SB-463-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24417-2	OC-SB-463-28/30-XXX	T	Solid	Distill/Ammonia	
360-24417-3	OC-SB-463-6.0/8.0-XXX	T	Solid	Distill/Ammonia	
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24417-5	OC-SB-464-26/28-XXX	T	Solid	Distill/Ammonia	

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-48962					
LCS 360-48905/2-A	Lab Control Sample	S	Solid	300.0	
MB 360-48905/1-A	Method Blank	S	Solid	300.0	
360-24417-1	OC-SB-463-0.0/1.0-XXX	S	Solid	300.0	
360-24417-2	OC-SB-463-28/30-XXX	S	Solid	300.0	
360-24417-3	OC-SB-463-6.0/8.0-XXX	S	Solid	300.0	
360-24417-4	OC-SB-464-0.0/1.0-XXX	S	Solid	300.0	
360-24417-5	OC-SB-464-26/28-XXX	S	Solid	300.0	
360-24417-6	OC-SB-464-5.0/7.0-XXX	S	Solid	300.0	
360-24417-7	OC-SB-465-0.0/1.0-XXX	S	Solid	300.0	
360-24417-8	OC-SB-465-16/18-XXX	S	Solid	300.0	
360-24417-9	OC-SB-465-8.0/10-DUP	S	Solid	300.0	
360-24417-10	OC-SB-465-8.0/10-XXX	S	Solid	300.0	
360-24417-10MS	Matrix Spike	S	Solid	300.0	
360-24417-10MSD	Matrix Spike Duplicate	S	Solid	300.0	
360-24417-11	OC-SB-468-0.0/1.0-XXX	S	Solid	300.0	
360-24417-12	OC-SB-468-31/33-XXX	S	Solid	300.0	
360-24417-13	OC-SB-468-8.0/10-XXX	S	Solid	300.0	
360-24417-14	OC-SB-471-0.0/1.0-XXX	S	Solid	300.0	
360-24417-15	OC-SB-471-3.0/5.0-XXX	S	Solid	300.0	
360-24417-16	OC-SB-471-26/28-XXX	S	Solid	300.0	
Analysis Batch:360-48967					
LCS 360-48918/2-A	Lab Control Sample	T	Solid	L107-06-1B	360-48918
MB 360-48918/1-A	Method Blank	T	Solid	L107-06-1B	360-48918
360-24417-1	OC-SB-463-0.0/1.0-XXX	T	Solid	L107-06-1B	360-48918
360-24417-2	OC-SB-463-28/30-XXX	T	Solid	L107-06-1B	360-48918
360-24417-3	OC-SB-463-6.0/8.0-XXX	T	Solid	L107-06-1B	360-48918
360-24417-4	OC-SB-464-0.0/1.0-XXX	T	Solid	L107-06-1B	360-48918
360-24417-5	OC-SB-464-26/28-XXX	T	Solid	L107-06-1B	360-48918

Client: Olin Corporation

Job Number: 360-24417-1
Sdg Number: OCRI-10

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 360-48986					
LCS 360-48986/2-A	Lab Control Sample	T	Solid	Distill/Ammonia	
MB 360-48986/1-A	Method Blank	T	Solid	Distill/Ammonia	
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	Distill/Ammonia	
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24417-8	OC-SB-465-16/18-XXX	T	Solid	Distill/Ammonia	
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	Distill/Ammonia	
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	Distill/Ammonia	
360-24417-10MS	Matrix Spike	T	Solid	Distill/Ammonia	
360-24417-10MSD	Matrix Spike Duplicate	T	Solid	Distill/Ammonia	
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24417-12	OC-SB-468-31/33-XXX	T	Solid	Distill/Ammonia	
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	Distill/Ammonia	
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	Distill/Ammonia	
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	Distill/Ammonia	
360-24417-16	OC-SB-471-26/28-XXX	T	Solid	Distill/Ammonia	
Analysis Batch:360-49040					
LCS 360-48986/2-A	Lab Control Sample	T	Solid	L107-06-1B	360-48986
MB 360-48986/1-A	Method Blank	T	Solid	L107-06-1B	360-48986
360-24417-6	OC-SB-464-5.0/7.0-XXX	T	Solid	L107-06-1B	360-48986
360-24417-7	OC-SB-465-0.0/1.0-XXX	T	Solid	L107-06-1B	360-48986
360-24417-8	OC-SB-465-16/18-XXX	T	Solid	L107-06-1B	360-48986
360-24417-9	OC-SB-465-8.0/10-DUP	T	Solid	L107-06-1B	360-48986
360-24417-10	OC-SB-465-8.0/10-XXX	T	Solid	L107-06-1B	360-48986
360-24417-10MS	Matrix Spike	T	Solid	L107-06-1B	360-48986
360-24417-10MSD	Matrix Spike Duplicate	T	Solid	L107-06-1B	360-48986
360-24417-11	OC-SB-468-0.0/1.0-XXX	T	Solid	L107-06-1B	360-48986
360-24417-12	OC-SB-468-31/33-XXX	T	Solid	L107-06-1B	360-48986
360-24417-13	OC-SB-468-8.0/10-XXX	T	Solid	L107-06-1B	360-48986
360-24417-14	OC-SB-471-0.0/1.0-XXX	T	Solid	L107-06-1B	360-48986
360-24417-15	OC-SB-471-3.0/5.0-XXX	T	Solid	L107-06-1B	360-48986
360-24417-16	OC-SB-471-26/28-XXX	T	Solid	L107-06-1B	360-48986

Report Basis
S = Soluble
T = Total

Client: Olin Corporation

Job Number: 360-24417-1
SDG: OCRI-10

Laboratory Chronicle

Lab ID: 360-24417-1 **Client ID:** OC-SB-463-0.0/1.0-XXX

Sample Date/Time: 09/01/2009 13:00 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-D-1-A		360-48878	360-48877	09/12/2009 11:14	1	TAL WFD	BW
A:8260B	360-24417-D-1-A		360-48878	360-48877	09/12/2009 15:42	1	TAL WFD	CMR
P:3546	360-24417-A-1-C		360-49266	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	360-24417-A-1-C		360-49266	360-48854	09/22/2009 06:23	1	TAL WFD	PJS
P:3050B	360-24417-A-1-A		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	360-24417-A-1-A		360-48668	360-48596	09/04/2009 14:08	1	TAL WFD	EMN
P:7471A	360-24417-A-1-B		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	360-24417-A-1-B		360-48764	360-48671	09/09/2009 13:46	1	TAL WFD	TJS
A:300.0	360-24417-A-1-D		360-48962		09/14/2009 16:05	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-A-1-E		360-48967	360-48918	09/14/2009 11:26	1	TAL WFD	ALL
A:L107-06-1B	360-24417-A-1-E		360-48967	360-48918	09/15/2009 09:33	1	TAL WFD	ALL
A:Moisture	360-24417-A-1		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Lab ID: 360-24417-2 **Client ID:** OC-SB-463-28/30-XXX

Sample Date/Time: 09/01/2009 14:50 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	360-24417-A-2-B		360-48962		09/14/2009 16:20	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-A-2-C		360-48967	360-48918	09/14/2009 11:26	1	TAL WFD	ALL
A:L107-06-1B	360-24417-A-2-C		360-48967	360-48918	09/15/2009 09:34	1	TAL WFD	ALL
A:Moisture	360-24417-A-2		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Lab ID: 360-24417-3 **Client ID:** OC-SB-463-6.0/8.0-XXX

Sample Date/Time: 09/01/2009 13:10 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-C-3-A		360-48711	360-48710	09/08/2009 15:51	1	TAL WFD	CMR
A:8260B	360-24417-C-3-A		360-48711	360-48710	09/09/2009 00:52	1	TAL WFD	CMR
P:3546	360-24417-A-3-C		360-49266	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	360-24417-A-3-C		360-49266	360-48854	09/22/2009 07:25	1	TAL WFD	PJS
P:3050B	360-24417-A-3-A		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	360-24417-A-3-A		360-48668	360-48596	09/04/2009 14:17	1	TAL WFD	EMN
P:7471A	360-24417-A-3-B		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	360-24417-A-3-B		360-48764	360-48671	09/09/2009 13:49	1	TAL WFD	TJS
A:300.0	360-24417-A-3-D		360-48962		09/14/2009 16:35	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-A-3-E		360-48967	360-48918	09/14/2009 11:26	1	TAL WFD	ALL
A:L107-06-1B	360-24417-A-3-E		360-48967	360-48918	09/15/2009 09:35	1	TAL WFD	ALL
A:Moisture	360-24417-A-3		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24417-1
SDG: OCRI-10

Laboratory Chronicle

Lab ID: **360-24417-4** **Client ID:** **OC-SB-464-0.0/1.0-XXX**

Sample Date/Time: 09/01/2009 15:50 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-C-4-A		360-48878	360-48877	09/12/2009 11:14	1	TAL WFD	BW
A:8260B	360-24417-C-4-A		360-48878	360-48877	09/12/2009 16:06	1	TAL WFD	CMR
P:3550B	360-24417-A-4-C		360-48876	360-48800	09/10/2009 12:11	1	TAL WFD	BRB
A:8270C LL	360-24417-A-4-C		360-48876	360-48800	09/12/2009 16:48	1	TAL WFD	KR
P:3546	360-24417-A-4-D		360-49266	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	360-24417-A-4-D		360-49266	360-48854	09/22/2009 07:56	1	TAL WFD	PJS
P:8315_S_Prep	360-24417-F-4-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-4-A		640-60685	640-60432	09/04/2009 15:22	1	TAL TAL	RD
P:LC65	360-24417-F-4-B		640-60681	640-60434	09/08/2009 07:40	1	TAL TAL	DNS
A:LC65	360-24417-F-4-B		640-60681	640-60434	09/09/2009 15:37	1	TAL TAL	RD
P:3050B	360-24417-A-4-A		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	360-24417-A-4-A		360-48668	360-48596	09/04/2009 14:20	1	TAL WFD	EMN
P:7471A	360-24417-A-4-B		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	360-24417-A-4-B		360-48764	360-48671	09/09/2009 13:51	1	TAL WFD	TJS
A:300.0	360-24417-E-4-A		360-48962		09/14/2009 16:50	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-E-4-B		360-48967	360-48918	09/14/2009 11:26	1	TAL WFD	ALL
A:L107-06-1B	360-24417-E-4-B		360-48967	360-48918	09/15/2009 09:36	1	TAL WFD	ALL
A:Moisture	360-24417-A-4		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Lab ID: **360-24417-5** **Client ID:** **OC-SB-464-26/28-XXX**

Sample Date/Time: 09/01/2009 16:50 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8315_S_Prep	360-24417-F-5-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-5-A		640-60685	640-60432	09/04/2009 15:33	1	TAL TAL	RD
A:300.0	360-24417-E-5-A		360-48962		09/14/2009 17:05	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-E-5-B		360-48967	360-48918	09/14/2009 11:26	1	TAL WFD	ALL
A:L107-06-1B	360-24417-E-5-B		360-48967	360-48918	09/15/2009 09:36	1	TAL WFD	ALL
A:Moisture	360-24417-A-5		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24417-1
SDG: OCRI-10

Laboratory Chronicle

Lab ID: **360-24417-6** **Client ID:** **OC-SB-464-5.0/7.0-XXX**

Sample Date/Time: 09/01/2009 16:50 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-C-6-A		360-48711	360-48710	09/08/2009 15:51	1	TAL WFD	CMR
A:8260B	360-24417-C-6-A		360-48711	360-48710	09/09/2009 01:16	1	TAL WFD	CMR
P:3550B	360-24417-A-6-C		360-48876	360-48800	09/10/2009 12:11	1	TAL WFD	BRB
A:8270C LL	360-24417-A-6-C		360-48876	360-48800	09/12/2009 17:19	1	TAL WFD	KR
P:3546	360-24417-A-6-D		360-49266	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	360-24417-A-6-D		360-49266	360-48854	09/22/2009 08:58	1	TAL WFD	PJS
P:8315_S_Prep	360-24417-F-6-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-6-A		640-60685	640-60432	09/04/2009 15:45	1	TAL TAL	RD
P:LC65	360-24417-F-6-B		640-60681	640-60434	09/08/2009 07:40	1	TAL TAL	DNS
A:LC65	360-24417-F-6-B		640-60681	640-60434	09/09/2009 16:02	1	TAL TAL	RD
P:3050B	360-24417-A-6-A		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	360-24417-A-6-A		360-48668	360-48596	09/04/2009 14:22	1	TAL WFD	EMN
P:7471A	360-24417-A-6-B		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	360-24417-A-6-B		360-48764	360-48671	09/09/2009 13:52	1	TAL WFD	TJS
A:300.0	360-24417-A-6-E		360-48962		09/14/2009 17:20	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-A-6-F		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	360-24417-A-6-F		360-49040	360-48986	09/16/2009 13:37	1	TAL WFD	ALL
A:Moisture	360-24417-A-6		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Lab ID: **360-24417-7** **Client ID:** **OC-SB-465-0.0/1.0-XXX**

Sample Date/Time: 09/02/2009 07:35 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-C-7-A		360-48878	360-48877	09/12/2009 11:14	1	TAL WFD	BW
A:8260B	360-24417-C-7-A		360-48878	360-48877	09/12/2009 16:30	1	TAL WFD	CMR
P:3550B	360-24417-A-7-B		360-48876	360-48800	09/10/2009 12:11	1	TAL WFD	BRB
A:8270C LL	360-24417-A-7-B		360-48876	360-48800	09/12/2009 17:49	1	TAL WFD	KR
P:3546	360-24417-A-7-D		360-49260	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	360-24417-A-7-D		360-49260	360-48924	09/21/2009 23:30	1	TAL WFD	PJS
P:8315_S_Prep	360-24417-F-7-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-7-A		640-60685	640-60432	09/04/2009 15:57	1	TAL TAL	RD
P:LC65	360-24417-F-7-B		640-60681	640-60434	09/08/2009 07:40	1	TAL TAL	DNS
A:LC65	360-24417-F-7-B		640-60681	640-60434	09/09/2009 16:15	1	TAL TAL	RD
P:3050B	360-24417-A-7-A		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	360-24417-A-7-A		360-48668	360-48596	09/04/2009 14:25	1	TAL WFD	EMN
P:7471A	360-24417-E-7-A		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	360-24417-E-7-A		360-48764	360-48671	09/09/2009 13:58	1	TAL WFD	TJS
A:300.0	360-24417-A-7-C		360-48962		09/14/2009 17:35	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-A-7-E		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	360-24417-A-7-E		360-49040	360-48986	09/16/2009 13:38	1	TAL WFD	ALL
A:Lloyd Kahn	360-24417-H-7		360-48727		09/08/2009 12:50	1	TAL WFD	RWE
A:Moisture	360-24417-A-7		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24417-1
SDG: OCRI-10

Laboratory Chronicle

Lab ID: **360-24417-8** **Client ID:** **OC-SB-465-16/18-XXX**

Sample Date/Time: 09/02/2009 08:25 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-C-8-A		360-48976	360-48975	09/15/2009 14:17	1	TAL WFD	CMR
A:8260B	360-24417-C-8-A		360-48976	360-48975	09/15/2009 21:58	1	TAL WFD	CMR
P:8315_S_Prep	360-24417-F-8-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-8-A		640-60685	640-60432	09/04/2009 16:09	1	TAL TAL	RD
A:300.0	360-24417-A-8-B		360-48962		09/14/2009 17:51	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-A-8-D		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	360-24417-A-8-D		360-49040	360-48986	09/16/2009 13:39	1	TAL WFD	ALL
A:Lloyd Kahn	360-24417-H-8		360-48727		09/08/2009 13:17	1	TAL WFD	RWE
A:Moisture	360-24417-A-8		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Lab ID: **360-24417-9** **Client ID:** **OC-SB-465-8.0/10-DUP**

Sample Date/Time: 09/02/2009 07:45 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-C-9-A		360-48711	360-48710	09/08/2009 15:51	1	TAL WFD	CMR
A:8260B	360-24417-C-9-A		360-48711	360-48710	09/09/2009 01:40	1	TAL WFD	CMR
P:3550B	360-24417-A-9-B		360-48876	360-48800	09/10/2009 12:11	1	TAL WFD	BRB
A:8270C LL	360-24417-A-9-B		360-48876	360-48800	09/12/2009 18:50	1	TAL WFD	KR
P:3546	360-24417-A-9-C		360-49260	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	360-24417-A-9-C		360-49260	360-48924	09/22/2009 00:24	1	TAL WFD	PJS
P:8315_S_Prep	360-24417-F-9-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-9-A		640-60685	640-60432	09/04/2009 16:21	1	TAL TAL	RD
P:LC65	360-24417-F-9-B		640-60681	640-60434	09/08/2009 07:40	1	TAL TAL	DNS
A:LC65	360-24417-F-9-B		640-60681	640-60434	09/09/2009 16:41	1	TAL TAL	RD
P:3050B	360-24417-A-9-A		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	360-24417-A-9-A		360-48668	360-48596	09/04/2009 14:28	1	TAL WFD	EMN
P:7471A	360-24417-E-9-A		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	360-24417-E-9-A		360-48764	360-48671	09/09/2009 14:00	1	TAL WFD	TJS
A:300.0	360-24417-E-9-B		360-48962		09/14/2009 18:06	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-E-9-C		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	360-24417-E-9-C		360-49040	360-48986	09/16/2009 13:42	1	TAL WFD	ALL
A:Lloyd Kahn	360-24417-H-9		360-48727		09/08/2009 13:48	1	TAL WFD	RWE
A:Moisture	360-24417-A-9		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24417-1
SDG: OCRI-10

Laboratory Chronicle

Lab ID: **360-24417-10** **Client ID:** **OC-SB-465-8.0/10-XXX**

Sample Date/Time: 09/02/2009 07:45 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-C-10-A		360-48767	360-48765	09/09/2009 15:57	1	TAL WFD	CMR
A:8260B	360-24417-C-10-A		360-48767	360-48765	09/09/2009 19:53	1	TAL WFD	CMR
P:3546	360-24417-A-10-H		360-49260	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	360-24417-A-10-H		360-49260	360-48924	09/21/2009 22:09	1	TAL WFD	PJS
P:3550B	360-24417-A-10-K		360-49397	360-48958	09/15/2009 12:06	1	TAL WFD	BRB
A:8270C LL	360-24417-A-10-K		360-49397	360-48958	09/24/2009 00:45	1	TAL WFD	KR
P:8315_S_Prep	360-24417-F-10-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-10-A		640-60685	640-60432	09/04/2009 16:32	1	TAL TAL	RD
P:LC65	360-24417-F-10-D		640-60681	640-60434	09/08/2009 07:40	1	TAL TAL	DNS
A:LC65	360-24417-F-10-D		640-60681	640-60434	09/09/2009 16:54	1	TAL TAL	RD
P:3050B	360-24417-A-10-A		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	360-24417-A-10-A		360-48668	360-48596	09/04/2009 13:18	1	TAL WFD	EMN
P:7471A	360-24417-E-10-A		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	360-24417-E-10-A		360-48764	360-48671	09/09/2009 13:40	1	TAL WFD	TJS
A:300.0	360-24417-A-10-E		360-48962		09/14/2009 18:21	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-A-10-N		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	360-24417-A-10-N		360-49040	360-48986	09/16/2009 13:43	1	TAL WFD	ALL
A:Lloyd Kahn	360-24417-H-10		360-48727		09/08/2009 14:17	1	TAL WFD	RWE
A:Moisture	360-24417-A-10		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24417-1
SDG: OCRI-10

Laboratory Chronicle

Lab ID: **360-24417-10** **Client ID:** **OC-SB-465-8.0/10-XXX**

Sample Date/Time: 09/02/2009 07:45 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-C-10-B MS		360-48767	360-48765	09/09/2009 15:57	1	TAL WFD	CMR
A:8260B	360-24417-C-10-B MS		360-48767	360-48765	09/09/2009 17:54	1	TAL WFD	CMR
P:3546	360-24417-A-10-I MS		360-49260	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	360-24417-A-10-I MS		360-49260	360-48924	09/21/2009 22:36	1	TAL WFD	PJS
P:3550B	360-24417-A-10-L MS		360-49397	360-48958	09/15/2009 12:06	1	TAL WFD	BRB
A:8270C LL	360-24417-A-10-L MS		360-49397	360-48958	09/24/2009 01:19	1	TAL WFD	KR
P:8315_S_Prep	360-24417-F-10-B MS		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-10-B MS		640-60685	640-60432	09/04/2009 16:56	1	TAL TAL	RD
P:LC65	360-24417-F-10-E MS		640-60681	640-60434	09/08/2009 07:40	1	TAL TAL	DNS
A:LC65	360-24417-F-10-E MS		640-60681	640-60434	09/09/2009 17:07	1	TAL TAL	RD
P:3050B	360-24417-A-10-C MS		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	360-24417-A-10-C MS		360-48668	360-48596	09/04/2009 13:59	1	TAL WFD	EMN
P:7471A	360-24417-A-10-D MS		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	360-24417-A-10-D MS		360-48764	360-48671	09/09/2009 13:43	1	TAL WFD	TJS
A:300.0	360-24417-A-10-F MS		360-48962		09/14/2009 19:06	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-A-10-O MS		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	360-24417-A-10-O MS		360-49040	360-48986	09/16/2009 13:44	1	TAL WFD	ALL
A:Moisture	360-24417-A-10 MS		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24417-1
SDG: OCRI-10

Laboratory Chronicle

Lab ID: **360-24417-10** **Client ID:** **OC-SB-465-8.0/10-XXX**

Sample Date/Time: 09/02/2009 07:45 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-C-10-C MSD		360-48767	360-48765	09/09/2009 15:57	1	TAL WFD	CMR
A:8260B	360-24417-C-10-C MSD		360-48767	360-48765	09/09/2009 18:18	1	TAL WFD	CMR
P:3546	360-24417-A-10-J MSD		360-49260	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	360-24417-A-10-J MSD		360-49260	360-48924	09/21/2009 23:03	1	TAL WFD	PJS
P:3550B	360-24417-A-10-M MSD		360-49397	360-48958	09/15/2009 12:06	1	TAL WFD	BRB
A:8270C LL	360-24417-A-10-M MSD		360-49397	360-48958	09/24/2009 01:53	1	TAL WFD	KR
P:8315_S_Prep	360-24417-F-10-C MSD		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-10-C MSD		640-60685	640-60432	09/04/2009 17:08	1	TAL TAL	RD
P:LC65	360-24417-F-10-F MSD		640-60681	640-60434	09/08/2009 07:40	1	TAL TAL	DNS
A:LC65	360-24417-F-10-F MSD		640-60681	640-60434	09/09/2009 17:19	1	TAL TAL	RD
A:300.0	360-24417-A-10-G MSD		360-48962		09/14/2009 19:21	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-A-10-P MSD		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	360-24417-A-10-P MSD		360-49040	360-48986	09/16/2009 13:45	1	TAL WFD	ALL
A:Moisture	360-24417-A-10 MSD		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Lab ID: **360-24417-10 DU** **Client ID:** **OC-SB-465-8.0/10-XXX**

Sample Date/Time: 09/02/2009 07:45 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	360-24417-A-10-B DU		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	360-24417-A-10-B DU		360-48668	360-48596	09/04/2009 13:21	1	TAL WFD	EMN
P:7471A	360-24417-E-10-B DU		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	360-24417-E-10-B DU		360-48764	360-48671	09/09/2009 13:41	1	TAL WFD	TJS

Client: Olin Corporation

Job Number: 360-24417-1
SDG: OCRI-10

Laboratory Chronicle

Lab ID: **360-24417-11** **Client ID:** **OC-SB-468-0.0/1.0-XXX**

Sample Date/Time: 09/02/2009 10:05 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-D-11-A		360-48878	360-48877	09/12/2009 11:14	1	TAL WFD	BW
A:8260B	360-24417-D-11-A		360-48878	360-48877	09/12/2009 16:54	1	TAL WFD	CMR
P:3550B	360-24417-A-11-B		360-48876	360-48800	09/10/2009 12:11	1	TAL WFD	BRB
A:8270C LL	360-24417-A-11-B		360-48876	360-48800	09/12/2009 19:20	1	TAL WFD	KR
P:3546	360-24417-A-11-C		360-49444	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	360-24417-A-11-C		360-49444	360-48854	09/24/2009 04:22	1	TAL WFD	PJS
P:3546	360-24417-A-11-C	DL3	360-49639	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	360-24417-A-11-C	DL3	360-49639	360-48854	09/29/2009 00:48	1	TAL WFD	PJS
P:8315_S_Prep	360-24417-F-11-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-11-A		640-60685	640-60432	09/04/2009 17:20	1	TAL TAL	RD
P:LC65	360-24417-F-11-B		640-60681	640-60434	09/08/2009 07:40	1	TAL TAL	DNS
A:LC65	360-24417-F-11-B		640-60681	640-60434	09/09/2009 17:32	1	TAL TAL	RD
P:3050B	360-24417-A-11-A		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	360-24417-A-11-A		360-48668	360-48596	09/04/2009 14:31	1	TAL WFD	EMN
P:7471A	360-24417-E-11-A		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	360-24417-E-11-A		360-48764	360-48671	09/09/2009 14:02	1	TAL WFD	TJS
A:300.0	360-24417-E-11-B		360-48962		09/14/2009 19:36	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-E-11-C		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	360-24417-E-11-C		360-49040	360-48986	09/16/2009 13:46	1	TAL WFD	ALL
A:Moisture	360-24417-A-11		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Lab ID: **360-24417-11 DU** **Client ID:** **OC-SB-468-0.0/1.0-XXX**

Sample Date/Time: 09/02/2009 10:05 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	360-24417-A-11 DU		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Lab ID: **360-24417-12** **Client ID:** **OC-SB-468-31/33-XXX**

Sample Date/Time: 09/02/2009 11:00 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8315_S_Prep	360-24417-F-12-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-12-A		640-60685	640-60432	09/04/2009 17:32	1	TAL TAL	RD
A:300.0	360-24417-A-12-B		360-48962		09/14/2009 19:51	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-A-12-D		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	360-24417-A-12-D		360-49040	360-48986	09/16/2009 13:47	1	TAL WFD	ALL
A:Moisture	360-24417-A-12		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24417-1
SDG: OCRI-10

Laboratory Chronicle

Lab ID: **360-24417-13** **Client ID:** **OC-SB-468-8.0/10-XXX**

Sample Date/Time: 09/02/2009 10:10 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-C-13-A		360-48711	360-48710	09/08/2009 15:51	1	TAL WFD	CMR
A:8260B	360-24417-C-13-A		360-48711	360-48710	09/09/2009 02:04	1	TAL WFD	CMR
P:3546	360-24417-A-13-C		360-49260	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	360-24417-A-13-C		360-49260	360-48924	09/22/2009 00:51	1	TAL WFD	PJS
P:3550B	360-24417-A-13-D		360-49397	360-48958	09/15/2009 12:06	1	TAL WFD	BRB
A:8270C LL	360-24417-A-13-D		360-49397	360-48958	09/24/2009 03:01	1	TAL WFD	KR
P:8315_S_Prep	360-24417-F-13-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-13-A		640-60685	640-60432	09/04/2009 17:43	1	TAL TAL	RD
P:LC65	360-24417-F-13-B		640-60681	640-60434	09/08/2009 07:40	1	TAL TAL	DNS
A:LC65	360-24417-F-13-B		640-60681	640-60434	09/09/2009 17:58	1	TAL TAL	RD
P:3050B	360-24417-A-13-A		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	360-24417-A-13-A		360-48668	360-48596	09/04/2009 14:34	1	TAL WFD	EMN
P:7471A	360-24417-A-13-B		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	360-24417-A-13-B		360-48764	360-48671	09/09/2009 14:54	1	TAL WFD	TJS
A:300.0	360-24417-E-13-A		360-48962		09/14/2009 20:06	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-A-13-E		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	360-24417-A-13-E		360-49040	360-48986	09/16/2009 13:48	1	TAL WFD	ALL
A:Moisture	360-24417-A-13		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Lab ID: **360-24417-14** **Client ID:** **OC-SB-471-0.0/1.0-XXX**

Sample Date/Time: 09/02/2009 13:15 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-C-14-A		360-48878	360-48877	09/12/2009 11:14	1	TAL WFD	BW
A:8260B	360-24417-C-14-A		360-48878	360-48877	09/12/2009 17:18	1	TAL WFD	CMR
P:3550B	360-24417-A-14-D		360-49397	360-48958	09/15/2009 12:06	1	TAL WFD	BRB
A:8270C LL	360-24417-A-14-D		360-49397	360-48958	09/24/2009 03:34	1	TAL WFD	KR
P:3546	360-24417-A-14-C		360-49444	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	360-24417-A-14-C		360-49444	360-48924	09/24/2009 04:53	1	TAL WFD	PJS
P:8315_S_Prep	360-24417-F-14-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-14-A		640-60685	640-60432	09/04/2009 17:55	1	TAL TAL	RD
P:LC65	360-24417-F-14-B		640-60681	640-60434	09/08/2009 07:40	1	TAL TAL	DNS
A:LC65	360-24417-F-14-B		640-60681	640-60434	09/09/2009 18:24	1	TAL TAL	RD
P:3050B	360-24417-A-14-A		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	360-24417-A-14-A		360-48668	360-48596	09/04/2009 14:37	1	TAL WFD	EMN
P:7471A	360-24417-E-14-A		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	360-24417-E-14-A		360-48764	360-48671	09/09/2009 14:06	1	TAL WFD	TJS
A:300.0	360-24417-A-14-B		360-48962		09/14/2009 20:22	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-A-14-E		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	360-24417-A-14-E		360-49040	360-48986	09/16/2009 13:48	1	TAL WFD	ALL
A:Moisture	360-24417-A-14		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Client: Olin Corporation

Job Number: 360-24417-1
SDG: OCRI-10

Laboratory Chronicle

Lab ID: 360-24417-15 **Client ID:** OC-SB-471-3.0/5.0-XXX

Sample Date/Time: 09/02/2009 13:30 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-C-15-A		360-48711	360-48710	09/08/2009 15:51	1	TAL WFD	CMR
A:8260B	360-24417-C-15-A		360-48711	360-48710	09/09/2009 02:28	1	TAL WFD	CMR
P:3546	360-24417-A-15-C		360-49260	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	360-24417-A-15-C		360-49260	360-48924	09/22/2009 01:45	1	TAL WFD	PJS
P:3550B	360-24417-A-15-D		360-49397	360-48958	09/15/2009 12:06	1	TAL WFD	BRB
A:8270C LL	360-24417-A-15-D		360-49397	360-48958	09/24/2009 04:08	1	TAL WFD	KR
P:8315_S_Prep	360-24417-F-15-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-15-A		640-60685	640-60432	09/04/2009 18:07	1	TAL TAL	RD
P:LC65	360-24417-F-15-B		640-60681	640-60434	09/08/2009 07:40	1	TAL TAL	DNS
A:LC65	360-24417-F-15-B		640-60681	640-60434	09/09/2009 18:37	1	TAL TAL	RD
P:3050B	360-24417-A-15-A		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	360-24417-A-15-A		360-48668	360-48596	09/04/2009 14:40	1	TAL WFD	EMN
P:7471A	360-24417-E-15-A		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	360-24417-E-15-A		360-48764	360-48671	09/09/2009 14:08	1	TAL WFD	TJS
A:300.0	360-24417-A-15-B		360-48962		09/14/2009 20:37	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-A-15-E		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	360-24417-A-15-E		360-49040	360-48986	09/16/2009 13:49	1	TAL WFD	ALL
A:Moisture	360-24417-A-15		360-48551		09/03/2009 14:51	1	TAL WFD	TFB

Lab ID: 360-24417-16 **Client ID:** OC-SB-471-26/28-XXX

Sample Date/Time: 09/02/2009 14:30 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8315_S_Prep	360-24417-F-16-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	360-24417-F-16-A		640-60685	640-60432	09/04/2009 18:19	1	TAL TAL	RD
A:300.0	360-24417-E-16-A		360-48962		09/14/2009 20:52	1	TAL WFD	ALL
P:Distill/Ammonia	360-24417-E-16-B		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	360-24417-E-16-B		360-49040	360-48986	09/16/2009 13:50	1	TAL WFD	ALL
A:Moisture	360-24417-A-16		360-48551		09/03/2009 14:53	1	TAL WFD	TFB

Lab ID: 360-24417-17 **Client ID:** OC-TBK-012

Sample Date/Time: 09/02/2009 14:50 Received Date/Time: 09/02/2009 17:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-24417-C-17-A		360-48878	360-48877	09/12/2009 11:14	1	TAL WFD	BW
A:8260B	360-24417-C-17-A		360-48878	360-48877	09/12/2009 17:43	1	TAL WFD	CMR

Client: Olin Corporation

Job Number: 360-24417-1
SDG: OCRI-10

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	MB 360-48710/3-A		360-48711	360-48710	09/08/2009 15:51	1	TAL WFD	CMR
A:8260B	MB 360-48710/3-A		360-48711	360-48710	09/08/2009 21:38	1	TAL WFD	CMR
P:5035	MB 360-48765/3-A		360-48767	360-48765	09/09/2009 15:57	1	TAL WFD	CMR
A:8260B	MB 360-48765/3-A		360-48767	360-48765	09/09/2009 19:05	1	TAL WFD	CMR
P:5035	MB 360-48877/3-A		360-48878	360-48877	09/12/2009 11:14	1	TAL WFD	BW
A:8260B	MB 360-48877/3-A		360-48878	360-48877	09/12/2009 14:06	1	TAL WFD	CMR
P:5035	MB 360-48975/3-A		360-48976	360-48975	09/15/2009 14:17	1	TAL WFD	CMR
A:8260B	MB 360-48975/3-A		360-48976	360-48975	09/15/2009 17:34	1	TAL WFD	CMR
P:3550B	MB 360-48800/1-A		360-48876	360-48800	09/10/2009 12:11	1	TAL WFD	BRB
A:8270C LL	MB 360-48800/1-A		360-48876	360-48800	09/12/2009 11:46	1	TAL WFD	KR
P:3546	MB 360-48924/1-A		360-49259	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	MB 360-48924/1-A		360-49259	360-48924	09/21/2009 19:53	1	TAL WFD	PJS
P:3546	MB 360-48854/1-A		360-49265	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	MB 360-48854/1-A		360-49265	360-48854	09/21/2009 20:33	1	TAL WFD	PJS
P:3550B	MB 360-48958/1-A		360-49397	360-48958	09/15/2009 12:06	1	TAL WFD	BRB
A:8270C LL	MB 360-48958/1-A		360-49397	360-48958	09/23/2009 23:03	1	TAL WFD	KR
P:8315_S_Prep	MB 640-60432/1-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	MB 640-60432/1-A		640-60685	640-60432	09/04/2009 14:11	1	TAL TAL	RD
P:LC65	MB 640-60434/1-A		640-60681	640-60434	09/08/2009 07:40	1	TAL TAL	DNS
A:LC65	MB 640-60434/1-A		640-60681	640-60434	09/09/2009 14:58	1	TAL TAL	RD
P:3050B	MB 360-48596/1-A		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	MB 360-48596/1-A		360-48668	360-48596	09/04/2009 13:09	1	TAL WFD	EMN
P:7471A	MB 360-48671/1-A		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	MB 360-48671/1-A		360-48764	360-48671	09/09/2009 13:33	1	TAL WFD	TJS
A:300.0	MB 360-48905/1-A		360-48962		09/14/2009 15:35	1	TAL WFD	ALL
P:Distill/Ammonia	MB 360-48918/1-A		360-48967	360-48918	09/14/2009 11:26	1	TAL WFD	ALL
A:L107-06-1B	MB 360-48918/1-A		360-48967	360-48918	09/15/2009 09:16	1	TAL WFD	ALL
P:Distill/Ammonia	MB 360-48986/1-A		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	MB 360-48986/1-A		360-49040	360-48986	09/16/2009 13:30	1	TAL WFD	ALL
A:Lloyd Kahn	MB 360-48727/1		360-48727		09/08/2009 10:39	1	TAL WFD	RWE

Client: Olin Corporation

Job Number: 360-24417-1
SDG: OCRI-10

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	LCS 360-48710/1-A		360-48711	360-48710	09/08/2009 15:51	1	TAL WFD	CMR
A:8260B	LCS 360-48710/1-A		360-48711	360-48710	09/08/2009 20:26	1	TAL WFD	CMR
P:5035	LCS 360-48765/1-A		360-48767	360-48765	09/09/2009 15:57	1	TAL WFD	CMR
A:8260B	LCS 360-48765/1-A		360-48767	360-48765	09/09/2009 17:06	1	TAL WFD	CMR
P:5035	LCS 360-48877/1-A		360-48878	360-48877	09/12/2009 11:14	1	TAL WFD	BW
A:8260B	LCS 360-48877/1-A		360-48878	360-48877	09/12/2009 12:55	1	TAL WFD	CMR
P:5035	LCS 360-48975/1-A		360-48976	360-48975	09/15/2009 14:17	1	TAL WFD	CMR
A:8260B	LCS 360-48975/1-A		360-48976	360-48975	09/15/2009 15:33	1	TAL WFD	CMR
P:3550B	LCS 360-48800/2-A		360-48876	360-48800	09/10/2009 12:11	1	TAL WFD	BRB
A:8270C LL	LCS 360-48800/2-A		360-48876	360-48800	09/12/2009 12:17	1	TAL WFD	KR
P:3546	LCS 360-48924/2-A		360-49259	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	LCS 360-48924/2-A		360-49259	360-48924	09/21/2009 20:20	1	TAL WFD	PJS
P:3546	LCS 360-48854/2-A		360-49265	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	LCS 360-48854/2-A		360-49265	360-48854	09/21/2009 21:05	1	TAL WFD	PJS
P:3550B	LCS 360-48958/2-A		360-49397	360-48958	09/15/2009 12:06	1	TAL WFD	BRB
A:8270C LL	LCS 360-48958/2-A		360-49397	360-48958	09/23/2009 23:37	1	TAL WFD	KR
P:8315_S_Prep	LCS 640-60432/2-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	LCS 640-60432/2-A		640-60685	640-60432	09/04/2009 14:23	1	TAL TAL	RD
P:LC65	LCS 640-60434/2-A		640-60681	640-60434	09/08/2009 07:40	1	TAL TAL	DNS
A:LC65	LCS 640-60434/2-A		640-60681	640-60434	09/09/2009 15:11	1	TAL TAL	RD
P:3050B	LCS 360-48596/2-A		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	LCS 360-48596/2-A		360-48668	360-48596	09/04/2009 13:12	1	TAL WFD	EMN
P:7471A	LCS 360-48671/2-A		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	LCS 360-48671/2-A		360-48764	360-48671	09/09/2009 13:35	1	TAL WFD	TJS
A:300.0	LCS 360-48905/2-A		360-48962		09/14/2009 15:50	1	TAL WFD	ALL
P:Distill/Ammonia	LCS 360-48918/2-A		360-48967	360-48918	09/14/2009 11:26	1	TAL WFD	ALL
A:L107-06-1B	LCS 360-48918/2-A		360-48967	360-48918	09/15/2009 09:17	1	TAL WFD	ALL
P:Distill/Ammonia	LCS 360-48986/2-A		360-49040	360-48986	09/15/2009 11:30	1	TAL WFD	ALL
A:L107-06-1B	LCS 360-48986/2-A		360-49040	360-48986	09/16/2009 13:31	1	TAL WFD	ALL
A:Lloyd Kahn	LCS 360-48727/2		360-48727		09/08/2009 11:05	1	TAL WFD	RWE

Client: Olin Corporation

Job Number: 360-24417-1
SDG: OCRI-10

Laboratory Chronicle

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:5035	LCSD 360-48710/2-A		360-48711	360-48710	09/08/2009 15:51	1	TAL WFD	CMR
A:8260B	LCSD 360-48710/2-A		360-48711	360-48710	09/08/2009 20:50	1	TAL WFD	CMR
P:5035	LCSD 360-48765/2-A		360-48767	360-48765	09/09/2009 15:57	1	TAL WFD	CMR
A:8260B	LCSD 360-48765/2-A		360-48767	360-48765	09/09/2009 17:30	1	TAL WFD	CMR
P:5035	LCSD 360-48877/2-A		360-48878	360-48877	09/12/2009 11:14	1	TAL WFD	BW
A:8260B	LCSD 360-48877/2-A		360-48878	360-48877	09/12/2009 13:19	1	TAL WFD	CMR
P:5035	LCSD 360-48975/2-A		360-48976	360-48975	09/15/2009 14:17	1	TAL WFD	CMR
A:8260B	LCSD 360-48975/2-A		360-48976	360-48975	09/15/2009 15:57	1	TAL WFD	CMR
P:3550B	LCSD 360-48800/3-A		360-48876	360-48800	09/10/2009 12:11	1	TAL WFD	BRB
A:8270C LL	LCSD 360-48800/3-A		360-48876	360-48800	09/12/2009 12:47	1	TAL WFD	KR
P:3546	LCSD 360-48924/3-A		360-49259	360-48924	09/14/2009 13:00	1	TAL WFD	BRB
A:8270C LL	LCSD 360-48924/3-A		360-49259	360-48924	09/21/2009 20:47	1	TAL WFD	PJS
P:3546	LCSD 360-48854/3-A		360-49265	360-48854	09/11/2009 11:42	1	TAL WFD	BRB
A:8270C LL	LCSD 360-48854/3-A		360-49265	360-48854	09/21/2009 21:36	1	TAL WFD	PJS
P:3550B	LCSD 360-48958/3-A		360-49397	360-48958	09/15/2009 12:06	1	TAL WFD	BRB
A:8270C LL	LCSD 360-48958/3-A		360-49397	360-48958	09/24/2009 00:11	1	TAL WFD	KR
P:8315_S_Prep	LCSD 640-60432/3-A		640-60685	640-60432	09/04/2009 07:35	1	TAL TAL	DNS
A:8315A	LCSD 640-60432/3-A		640-60685	640-60432	09/04/2009 14:34	1	TAL TAL	RD
P:LC65	LCSD 640-60434/3-A		640-60681	640-60434	09/08/2009 07:40	1	TAL TAL	DNS
A:LC65	LCSD 640-60434/3-A		640-60681	640-60434	09/09/2009 15:24	1	TAL TAL	RD
P:3050B	LCSD 360-48596/3-A		360-48668	360-48596	09/04/2009 08:57	1	TAL WFD	TFB
A:6010B	LCSD 360-48596/3-A		360-48668	360-48596	09/04/2009 13:15	1	TAL WFD	EMN
P:7471A	LCSD 360-48671/3-A		360-48764	360-48671	09/08/2009 08:29	1	TAL WFD	EMN
A:7471A	LCSD 360-48671/3-A		360-48764	360-48671	09/09/2009 13:37	1	TAL WFD	TJS
A:Lloyd Kahn	LCSD 360-48727/3		360-48727		09/08/2009 11:37	1	TAL WFD	RWE

Lab References:
TAL TAL = TestAmerica Tallahassee
TAL WFD = TestAmerica Westfield

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low

GC Column (1): RTX-VMS ID: 0.25 (um)

Client Sample ID	Lab Sample ID	DBFM #	TOL #	BFB #
OC-SB-463-0.0/1.0-XXX	360-24417-1	105	101	100
OC-SB-463-6.0/8.0-XXX	360-24417-3	104	98	105
OC-SB-464-0.0/1.0-XXX	360-24417-4	102	100	101
OC-SB-464-5.0/7.0-XXX	360-24417-6	103	98	104
OC-SB-465-0.0/1.0-XXX	360-24417-7	101	101	97
OC-SB-465-16/18-XXX	360-24417-8	102	101	99
OC-SB-465-8.0/10-DUP	360-24417-9	102	98	104
OC-SB-465-8.0/10-XXX	360-24417-10	102	100	102
OC-SB-468-0.0/1.0-XXX	360-24417-11	89	100	99
OC-SB-468-8.0/10-XXX	360-24417-13	102	98	107
OC-SB-471-0.0/1.0-XXX	360-24417-14	96	101	97
OC-SB-471-3.0/5.0-XXX	360-24417-15	103	96	105
OC-TBK-012	360-24417-17	96	102	94
	MB 360-48710/3-A	99	101	103
	MB 360-48765/3-A	101	99	103
	MB 360-48877/3-A	105	99	105
	MB 360-48975/3-A	104	101	102
	LCS 360-48710/1-A	98	100	101
	LCS 360-48765/1-A	100	99	97
	LCS 360-48877/1-A	99	101	96
	LCS 360-48975/1-A	99	101	95
	LCSD 360-48710/2-A	99	101	100
	LCSD 360-48765/2-A	99	99	98
	LCSD 360-48877/2-A	100	100	97
	LCSD 360-48975/2-A	99	102	95

	QC LIMITS
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Column to be used to flag recovery values

FORM II 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low

GC Column (1): RTX-VMS ID: 0.25 (um)

Client Sample ID	Lab Sample ID	DBFM #	TOL #	BFB #
OC-SB-465-8.0/10-X XX MS	360-24417-10 MS	98	100	97
OC-SB-465-8.0/10-X XX MSD	360-24417-10 MSD	100	98	100

	QC LIMITS
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44799.D

Lab ID: LCS 360-48710/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	100	105	105	70-130	
1,1,1-Trichloroethane	100	95.2	95	70-130	
1,1,2,2-Tetrachloroethane	100	89.3	89	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	100	94.7	95	70-130	
1,1,2-Trichloroethane	100	89.6	90	70-130	
1,1-Dichloroethane	100	104	104	70-130	
1,1-Dichloroethene	100	100	100	70-130	
1,1-Dichloropropene	100	94.7	95	70-130	
1,2,3-Trichlorobenzene	100	100	100	70-130	
1,2,3-Trichloropropane	100	107	107	70-130	
1,2,4-Trichlorobenzene	100	99.7	100	70-130	
1,2,4-Trimethylbenzene	100	100	100	70-130	
1,2-Dibromo-3-Chloropropane	100	87.3	87	70-130	
Ethylene Dibromide	100	90.7	91	70-130	
1,2-Dichlorobenzene	100	95.8	96	70-130	
1,2-Dichloroethane	100	93.0	93	70-130	
Acetone	1000	840	84	70-130	
1,2-Dichloropropane	100	107	107	70-130	
1,3,5-Trimethylbenzene	100	104	104	70-130	
1,3-Dichlorobenzene	100	101	101	70-130	
1,3-Dichloropropane	100	92.1	92	70-130	
1,4-Dichlorobenzene	100	98.0	98	70-130	
1,4-Dioxane	1000	974	97	70-130	
2,2-Dichloropropane	100	110	110	70-130	
2,4,4-Trimethyl-1-pentene	100	111	111	70-130	
2,4,4-Trimethyl-2-pentene	100	100	100	70-130	
2-Chlorotoluene	100	101	101	70-130	
2-Hexanone	1000	802	80	70-130	
4-Chlorotoluene	100	104	104	70-130	
Benzene	100	98.0	98	70-130	
Bromobenzene	100	98.9	99	70-130	
Chlorobromomethane	100	94.4	94	70-130	
Dichlorobromomethane	100	94.5	95	70-130	
Bromoform	100	85.7	86	70-130	
Bromomethane	100	102	102	70-130	
n-Butylbenzene	100	100	100	70-130	
Carbon disulfide	100	98.4	98	70-130	
Carbon tetrachloride	100	95.2	95	70-130	
Chlorobenzene	100	101	101	70-130	
Chloroethane	100	105	105	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44799.D

Lab ID: LCS 360-48710/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chloroform	100	103	103	70-130	
Chloromethane	100	96.4	96	70-130	
cis-1,2-Dichloroethene	100	98.8	99	70-130	
cis-1,3-Dichloropropene	100	93.0	93	70-130	
Cyclohexane	100	101	101	70-130	
Chlorodibromomethane	100	90.5	91	70-130	
Dibromomethane	100	91.2	91	70-130	
Dichlorodifluoromethane	100	61.0	61	70-130	*
Ethyl ether	100	101	101	70-130	
Isopropyl ether	100	94.6	95	70-130	
Tert-butyl ethyl ether	100	94.6	95	70-130	
Ethylbenzene	100	107	107	70-130	
Hexachlorobutadiene	100	98.6	99	70-130	
Isopropylbenzene	100	103	103	70-130	
Methyl acetate	1000	1070	107	70-130	
2-Butanone (MEK)	1000	861	86	70-130	
4-Methyl-2-pentanone (MIBK)	1000	847	85	70-130	
Methyl tert-butyl ether	100	89.4	89	70-130	
Methylcyclohexane	100	101	101	70-130	
Methylene Chloride	100	104	104	70-130	
m-Xylene & p-Xylene	200	201	101	70-130	
Naphthalene	100	90.9	91	70-130	
N-Propylbenzene	100	103	103	70-130	
o-Xylene	100	102	102	70-130	
4-Isopropyltoluene	100	106	106	70-130	
sec-Butylbenzene	100	103	103	70-130	
Styrene	100	100	100	70-130	
Tert-amyl methyl ether	100	93.6	94	70-130	
tert-Butylbenzene	100	106	106	70-130	
Tetrachloroethene	100	99.6	100	70-130	
Tetrahydrofuran	1000	970	97	70-130	
Toluene	100	100	100	70-130	
trans-1,2-Dichloroethene	100	95.2	95	70-130	
trans-1,3-Dichloropropene	100	92.4	92	70-130	
Trichloroethene	100	98.1	98	70-130	
Trichlorofluoromethane	100	93.1	93	70-130	
Vinyl chloride	100	97.8	98	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44838.D

Lab ID: LCS 360-48765/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	100	96.3	96	70-130	
1,1,1-Trichloroethane	100	90.5	90	70-130	
1,1,2,2-Tetrachloroethane	100	89.9	90	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	100	90.6	91	70-130	
1,1,2-Trichloroethane	100	92.8	93	70-130	
1,1-Dichloroethane	100	97.2	97	70-130	
1,1-Dichloroethene	100	94.9	95	70-130	
1,1-Dichloropropene	100	91.0	91	70-130	
1,2,3-Trichlorobenzene	100	101	101	70-130	
1,2,3-Trichloropropane	100	110	110	70-130	
1,2,4-Trichlorobenzene	100	98.9	99	70-130	
1,2,4-Trimethylbenzene	100	91.4	91	70-130	
1,2-Dibromo-3-Chloropropane	100	93.9	94	70-130	
Ethylene Dibromide	100	94.6	95	70-130	
1,2-Dichlorobenzene	100	92.2	92	70-130	
1,2-Dichloroethane	100	92.0	92	70-130	
Acetone	1000	918	92	70-130	
1,2-Dichloropropane	100	100	100	70-130	
1,3,5-Trimethylbenzene	100	94.0	94	70-130	
1,3-Dichlorobenzene	100	94.1	94	70-130	
1,3-Dichloropropane	100	91.3	91	70-130	
1,4-Dichlorobenzene	100	93.8	94	70-130	
1,4-Dioxane	1000	923	92	70-130	
2,2-Dichloropropane	100	105	105	70-130	
2,4,4-Trimethyl-1-pentene	100	104	104	70-130	
2,4,4-Trimethyl-2-pentene	100	95.9	96	70-130	
2-Chlorotoluene	100	90.7	91	70-130	
2-Hexanone	1000	887	89	70-130	
4-Chlorotoluene	100	93.4	93	70-130	
Benzene	100	91.6	92	70-130	
Bromobenzene	100	91.1	91	70-130	
Chlorobromomethane	100	94.5	95	70-130	
Dichlorobromomethane	100	91.8	92	70-130	
Bromoform	100	86.1	86	70-130	
Bromomethane	100	98.6	99	70-130	
n-Butylbenzene	100	94.7	95	70-130	
Carbon disulfide	100	92.1	92	70-130	
Carbon tetrachloride	100	90.4	90	70-130	
Chlorobenzene	100	93.4	93	70-130	
Chloroethane	100	95.9	96	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44838.D

Lab ID: LCS 360-48765/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chloroform	100	95.4	95	70-130	
Chloromethane	100	89.5	89	70-130	
cis-1,2-Dichloroethene	100	92.7	93	70-130	
cis-1,3-Dichloropropene	100	89.9	90	70-130	
Cyclohexane	100	97.8	98	70-130	
Chlorodibromomethane	100	88.6	89	70-130	
Dibromomethane	100	89.7	90	70-130	
Dichlorodifluoromethane	100	61.0	61	70-130	*
Ethyl ether	100	103	103	70-130	
Isopropyl ether	100	91.8	92	70-130	
Tert-butyl ethyl ether	100	94.7	95	70-130	
Ethylbenzene	100	95.6	96	70-130	
Hexachlorobutadiene	100	93.3	93	70-130	
Isopropylbenzene	100	94.4	94	70-130	
Methyl acetate	1000	1070	107	70-130	
2-Butanone (MEK)	1000	930	93	70-130	
4-Methyl-2-pentanone (MIBK)	1000	920	92	70-130	
Methyl tert-butyl ether	100	92.4	92	70-130	
Methylcyclohexane	100	99.8	100	70-130	
Methylene Chloride	100	102	102	70-130	
m-Xylene & p-Xylene	200	182	91	70-130	
Naphthalene	100	95.1	95	70-130	
N-Propylbenzene	100	93.8	94	70-130	
o-Xylene	100	91.4	91	70-130	
4-Isopropyltoluene	100	99.2	99	70-130	
sec-Butylbenzene	100	95.6	96	70-130	
Styrene	100	92.3	92	70-130	
Tert-amyl methyl ether	100	96.6	97	70-130	
tert-Butylbenzene	100	97.2	97	70-130	
Tetrachloroethene	100	96.0	96	70-130	
Tetrahydrofuran	1000	1030	103	70-130	
Toluene	100	93.1	93	70-130	
trans-1,2-Dichloroethene	100	88.3	88	70-130	
trans-1,3-Dichloropropene	100	92.8	93	70-130	
Trichloroethene	100	93.5	93	70-130	
Trichlorofluoromethane	100	91.9	92	70-130	
Vinyl chloride	100	91.8	92	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44922.D

Lab ID: LCS 360-48877/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	100	96.9	97	70-130	
1,1,1-Trichloroethane	100	87.9	88	70-130	
1,1,2,2-Tetrachloroethane	100	87.2	87	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	100	88.3	88	70-130	
1,1,2-Trichloroethane	100	91.3	91	70-130	
1,1-Dichloroethane	100	95.0	95	70-130	
1,1-Dichloroethene	100	95.1	95	70-130	
1,1-Dichloropropene	100	90.0	90	70-130	
1,2,3-Trichlorobenzene	100	99.1	99	70-130	
1,2,3-Trichloropropane	100	107	107	70-130	
1,2,4-Trichlorobenzene	100	99.0	99	70-130	
1,2,4-Trimethylbenzene	100	92.0	92	70-130	
1,2-Dibromo-3-Chloropropane	100	90.6	91	70-130	
Ethylene Dibromide	100	93.3	93	70-130	
1,2-Dichlorobenzene	100	93.0	93	70-130	
1,2-Dichloroethane	100	89.2	89	70-130	
Acetone	1000	922	92	70-130	
1,2-Dichloropropane	100	102	102	70-130	
1,3,5-Trimethylbenzene	100	95.5	95	70-130	
1,3-Dichlorobenzene	100	92.5	92	70-130	
1,3-Dichloropropane	100	89.5	90	70-130	
1,4-Dichlorobenzene	100	93.6	94	70-130	
1,4-Dioxane	1000	861	86	70-130	
2,2-Dichloropropane	100	103	103	70-130	
2,4,4-Trimethyl-1-pentene	100	102	102	70-130	
2,4,4-Trimethyl-2-pentene	100	95.3	95	70-130	
2-Chlorotoluene	100	91.7	92	70-130	
2-Hexanone	1000	811	81	70-130	
4-Chlorotoluene	100	93.1	93	70-130	
Benzene	100	91.3	91	70-130	
Bromobenzene	100	89.3	89	70-130	
Chlorobromomethane	100	90.2	90	70-130	
Dichlorobromomethane	100	89.3	89	70-130	
Bromoform	100	84.9	85	70-130	
Bromomethane	100	94.5	95	70-130	
n-Butylbenzene	100	97.5	98	70-130	
Carbon disulfide	100	91.6	92	70-130	
Carbon tetrachloride	100	90.9	91	70-130	
Chlorobenzene	100	95.6	96	70-130	
Chloroethane	100	90.6	91	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44922.D

Lab ID: LCS 360-48877/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chloroform	100	95.3	95	70-130	
Chloromethane	100	83.1	83	70-130	
cis-1,2-Dichloroethene	100	90.4	90	70-130	
cis-1,3-Dichloropropene	100	89.6	90	70-130	
Cyclohexane	100	88.6	89	70-130	
Chlorodibromomethane	100	87.8	88	70-130	
Dibromomethane	100	91.1	91	70-130	
Dichlorodifluoromethane	100	57.8	58	70-130	*
Ethyl ether	100	96.8	97	70-130	
Isopropyl ether	100	88.4	88	70-130	
Tert-butyl ethyl ether	100	90.9	91	70-130	
Ethylbenzene	100	98.8	99	70-130	
Hexachlorobutadiene	100	96.0	96	70-130	
Isopropylbenzene	100	96.3	96	70-130	
Methyl acetate	1000	1040	104	70-130	
2-Butanone (MEK)	1000	842	84	70-130	
4-Methyl-2-pentanone (MIBK)	1000	849	85	70-130	
Methyl tert-butyl ether	100	87.2	87	70-130	
Methylcyclohexane	100	91.2	91	70-130	
Methylene Chloride	100	94.1	94	70-130	
m-Xylene & p-Xylene	200	187	93	70-130	
Naphthalene	100	88.4	88	70-130	
N-Propylbenzene	100	94.9	95	70-130	
o-Xylene	100	92.9	93	70-130	
4-Isopropyltoluene	100	99.6	100	70-130	
sec-Butylbenzene	100	96.3	96	70-130	
Styrene	100	92.8	93	70-130	
Tert-amyl methyl ether	100	91.5	91	70-130	
tert-Butylbenzene	100	98.0	98	70-130	
Tetrachloroethene	100	98.4	98	70-130	
Tetrahydrofuran	1000	1010	101	70-130	
Toluene	100	95.0	95	70-130	
trans-1,2-Dichloroethene	100	86.3	86	70-130	
trans-1,3-Dichloropropene	100	91.6	92	70-130	
Trichloroethene	100	95.2	95	70-130	
Trichlorofluoromethane	100	87.3	87	70-130	
Vinyl chloride	100	86.8	87	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V45014.D

Lab ID: LCS 360-48975/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	100	98.8	99	70-130	
1,1,1-Trichloroethane	100	93.4	93	70-130	
1,1,2,2-Tetrachloroethane	100	82.8	83	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	100	96.0	96	70-130	
1,1,2-Trichloroethane	100	89.4	89	70-130	
1,1-Dichloroethane	100	97.0	97	70-130	
1,1-Dichloroethene	100	97.3	97	70-130	
1,1-Dichloropropene	100	94.0	94	70-130	
1,2,3-Trichlorobenzene	100	97.2	97	70-130	
1,2,3-Trichloropropane	100	103	103	70-130	
1,2,4-Trichlorobenzene	100	98.1	98	70-130	
1,2,4-Trimethylbenzene	100	94.2	94	70-130	
1,2-Dibromo-3-Chloropropane	100	87.2	87	70-130	
Ethylene Dibromide	100	89.3	89	70-130	
1,2-Dichlorobenzene	100	91.7	92	70-130	
1,2-Dichloroethane	100	90.0	90	70-130	
Acetone	1000	909	91	70-130	
1,2-Dichloropropane	100	101	101	70-130	
1,3,5-Trimethylbenzene	100	98.1	98	70-130	
1,3-Dichlorobenzene	100	94.7	95	70-130	
1,3-Dichloropropane	100	86.8	87	70-130	
1,4-Dichlorobenzene	100	92.6	93	70-130	
1,4-Dioxane	1000	1060	106	70-130	
2,2-Dichloropropane	100	107	107	70-130	
2,4,4-Trimethyl-1-pentene	100	107	107	70-130	
2,4,4-Trimethyl-2-pentene	100	102	102	70-130	
2-Chlorotoluene	100	93.6	94	70-130	
2-Hexanone	1000	772	77	70-130	
4-Chlorotoluene	100	93.4	93	70-130	
Benzene	100	94.1	94	70-130	
Bromobenzene	100	89.5	90	70-130	
Chlorobromomethane	100	92.9	93	70-130	
Dichlorobromomethane	100	89.2	89	70-130	
Bromoform	100	84.2	84	70-130	
Bromomethane	100	103	103	70-130	
n-Butylbenzene	100	97.8	98	70-130	
Carbon disulfide	100	94.6	95	70-130	
Carbon tetrachloride	100	93.9	94	70-130	
Chlorobenzene	100	97.3	97	70-130	
Chloroethane	100	96.2	96	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V45014.D

Lab ID: LCS 360-48975/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chloroform	100	93.9	94	70-130	
Chloromethane	100	91.4	91	70-130	
cis-1,2-Dichloroethene	100	91.1	91	70-130	
cis-1,3-Dichloropropene	100	86.9	87	70-130	
Cyclohexane	100	99.0	99	70-130	
Chlorodibromomethane	100	84.5	84	70-130	
Dibromomethane	100	90.1	90	70-130	
Dichlorodifluoromethane	100	61.4	61	70-130	*
Ethyl ether	100	98.5	98	70-130	
Isopropyl ether	100	88.7	89	70-130	
Tert-butyl ethyl ether	100	89.6	90	70-130	
Ethylbenzene	100	101	101	70-130	
Hexachlorobutadiene	100	99.8	100	70-130	
Isopropylbenzene	100	99.1	99	70-130	
Methyl acetate	1000	1190	119	70-130	
2-Butanone (MEK)	1000	847	85	70-130	
4-Methyl-2-pentanone (MIBK)	1000	829	83	70-130	
Methyl tert-butyl ether	100	86.5	86	70-130	
Methylcyclohexane	100	103	103	70-130	
Methylene Chloride	100	98.8	99	70-130	
m-Xylene & p-Xylene	200	191	96	70-130	
Naphthalene	100	87.0	87	70-130	
N-Propylbenzene	100	97.5	97	70-130	
o-Xylene	100	94.8	95	70-130	
4-Isopropyltoluene	100	103	103	70-130	
sec-Butylbenzene	100	99.5	99	70-130	
Styrene	100	91.5	91	70-130	
Tert-amyl methyl ether	100	91.8	92	70-130	
tert-Butylbenzene	100	101	101	70-130	
Tetrachloroethene	100	103	103	70-130	
Tetrahydrofuran	1000	990	99	70-130	
Toluene	100	95.9	96	70-130	
trans-1,2-Dichloroethene	100	88.5	89	70-130	
trans-1,3-Dichloropropene	100	86.3	86	70-130	
Trichloroethene	100	98.3	98	70-130	
Trichlorofluoromethane	100	94.4	94	70-130	
Vinyl chloride	100	93.2	93	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44800.D

Lab ID: LCSD 360-48710/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	100	108	108	3	25	70-130	
1,1,1-Trichloroethane	100	95.9	96	1	25	70-130	
1,1,2,2-Tetrachloroethane	100	97.6	98	9	25	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	100	92.3	92	3	25	70-130	
1,1,2-Trichloroethane	100	101	101	12	25	70-130	
1,1-Dichloroethane	100	106	106	2	25	70-130	
1,1-Dichloroethene	100	98.9	99	1	25	70-130	
1,1-Dichloropropene	100	95.6	96	1	25	70-130	
1,2,3-Trichlorobenzene	100	106	106	5	25	70-130	
1,2,3-Trichloropropane	100	119	119	10	25	70-130	
1,2,4-Trichlorobenzene	100	105	105	5	25	70-130	
1,2,4-Trimethylbenzene	100	100	100	0	25	70-130	
1,2-Dibromo-3-Chloropropane	100	98.8	99	12	25	70-130	
Ethylene Dibromide	100	100	100	10	25	70-130	
1,2-Dichlorobenzene	100	100	100	5	25	70-130	
1,2-Dichloroethane	100	100	100	7	25	70-130	
Acetone	1000	826	83	2	25	70-130	
1,2-Dichloropropane	100	111	111	4	25	70-130	
1,3,5-Trimethylbenzene	100	103	103	0	25	70-130	
1,3-Dichlorobenzene	100	101	101	0	25	70-130	
1,3-Dichloropropane	100	99.0	99	7	25	70-130	
1,4-Dichlorobenzene	100	102	102	4	25	70-130	
1,4-Dioxane	1000	912	91	7	25	70-130	
2,2-Dichloropropane	100	109	109	0	25	70-130	
2,4,4-Trimethyl-1-pentene	100	109	109	1	25	70-130	
2,4,4-Trimethyl-2-pentene	100	98.7	99	2	25	70-130	
2-Chlorotoluene	100	101	101	0	25	70-130	
2-Hexanone	1000	931	93	15	25	70-130	
4-Chlorotoluene	100	104	104	0	25	70-130	
Benzene	100	99.6	100	2	25	70-130	
Bromobenzene	100	101	101	2	25	70-130	
Chlorobromomethane	100	99.8	100	5	25	70-130	
Dichlorobromomethane	100	101	101	7	25	70-130	
Bromoform	100	92.1	92	7	25	70-130	
Bromomethane	100	104	104	2	25	70-130	
n-Butylbenzene	100	101	101	1	25	70-130	
Carbon disulfide	100	98.0	98	0	25	70-130	
Carbon tetrachloride	100	93.5	94	2	25	70-130	
Chlorobenzene	100	103	103	2	25	70-130	
Chloroethane	100	104	104	1	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44800.D

Lab ID: LCSD 360-48710/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloroform	100	103	103	0	25	70-130	
Chloromethane	100	97.3	97	1	25	70-130	
cis-1,2-Dichloroethene	100	100	100	1	25	70-130	
cis-1,3-Dichloropropene	100	98.3	98	6	25	70-130	
Cyclohexane	100	92.1	92	9	25	70-130	
Chlorodibromomethane	100	97.1	97	7	25	70-130	
Dibromomethane	100	98.7	99	8	25	70-130	
Dichlorodifluoromethane	100	62.4	62	2	25	70-130	*
Ethyl ether	100	110	110	9	25	70-130	
Isopropyl ether	100	98.8	99	4	25	70-130	
Tert-butyl ethyl ether	100	101	101	6	25	70-130	
Ethylbenzene	100	105	105	1	25	70-130	
Hexachlorobutadiene	100	99.9	100	1	25	70-130	
Isopropylbenzene	100	103	103	0	25	70-130	
Methyl acetate	1000	1040	104	2	25	70-130	
2-Butanone (MEK)	1000	949	95	10	25	70-130	
4-Methyl-2-pentanone (MIBK)	1000	945	94	11	25	70-130	
Methyl tert-butyl ether	100	98.1	98	9	25	70-130	
Methylcyclohexane	100	93.6	94	8	25	70-130	
Methylene Chloride	100	107	107	3	25	70-130	
m-Xylene & p-Xylene	200	201	100	0	25	70-130	
Naphthalene	100	101	101	10	25	70-130	
N-Propylbenzene	100	103	103	0	25	70-130	
o-Xylene	100	101	101	0	25	70-130	
4-Isopropyltoluene	100	105	105	1	25	70-130	
sec-Butylbenzene	100	103	103	0	25	70-130	
Styrene	100	102	102	2	25	70-130	
Tert-amyl methyl ether	100	101	101	8	25	70-130	
tert-Butylbenzene	100	106	106	0	25	70-130	
Tetrachloroethene	100	100	100	1	25	70-130	
Tetrahydrofuran	1000	1090	109	11	25	70-130	
Toluene	100	102	102	2	25	70-130	
trans-1,2-Dichloroethene	100	95.5	96	0	25	70-130	
trans-1,3-Dichloropropene	100	102	102	10	25	70-130	
Trichloroethene	100	99.9	100	2	25	70-130	
Trichlorofluoromethane	100	93.2	93	0	25	70-130	
Vinyl chloride	100	96.6	97	1	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44839.D

Lab ID: LCSD 360-48765/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	100	102	102	6	25	70-130	
1,1,1-Trichloroethane	100	95.9	96	6	25	70-130	
1,1,2,2-Tetrachloroethane	100	91.5	91	2	25	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	100	97.0	97	7	25	70-130	
1,1,2-Trichloroethane	100	93.7	94	1	25	70-130	
1,1-Dichloroethane	100	102	102	4	25	70-130	
1,1-Dichloroethene	100	101	101	6	25	70-130	
1,1-Dichloropropene	100	95.2	95	5	25	70-130	
1,2,3-Trichlorobenzene	100	108	108	7	25	70-130	
1,2,3-Trichloropropane	100	114	114	4	25	70-130	
1,2,4-Trichlorobenzene	100	105	105	6	25	70-130	
1,2,4-Trimethylbenzene	100	98.6	99	8	25	70-130	
1,2-Dibromo-3-Chloropropane	100	97.7	98	4	25	70-130	
Ethylene Dibromide	100	95.0	95	0	25	70-130	
1,2-Dichlorobenzene	100	96.4	96	4	25	70-130	
1,2-Dichloroethane	100	95.0	95	3	25	70-130	
Acetone	1000	877	88	5	25	70-130	
1,2-Dichloropropane	100	105	105	5	25	70-130	
1,3,5-Trimethylbenzene	100	102	102	8	25	70-130	
1,3-Dichlorobenzene	100	100	100	6	25	70-130	
1,3-Dichloropropane	100	92.2	92	1	25	70-130	
1,4-Dichlorobenzene	100	97.8	98	4	25	70-130	
1,4-Dioxane	1000	846	85	9	25	70-130	
2,2-Dichloropropane	100	112	112	6	25	70-130	
2,4,4-Trimethyl-1-pentene	100	114	114	9	25	70-130	
2,4,4-Trimethyl-2-pentene	100	102	102	7	25	70-130	
2-Chlorotoluene	100	97.1	97	7	25	70-130	
2-Hexanone	1000	902	90	2	25	70-130	
4-Chlorotoluene	100	99.7	100	7	25	70-130	
Benzene	100	95.9	96	5	25	70-130	
Bromobenzene	100	95.5	96	5	25	70-130	
Chlorobromomethane	100	97.5	97	3	25	70-130	
Dichlorobromomethane	100	93.8	94	2	25	70-130	
Bromoform	100	85.1	85	1	25	70-130	
Bromomethane	100	106	106	7	25	70-130	
n-Butylbenzene	100	99.3	99	5	25	70-130	
Carbon disulfide	100	96.5	96	5	25	70-130	
Carbon tetrachloride	100	95.8	96	6	25	70-130	
Chlorobenzene	100	97.6	98	4	25	70-130	
Chloroethane	100	103	103	7	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44839.D

Lab ID: LCSD 360-48765/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloroform	100	100	100	5	25	70-130	
Chloromethane	100	98.2	98	9	25	70-130	
cis-1,2-Dichloroethene	100	96.2	96	4	25	70-130	
cis-1,3-Dichloropropene	100	91.6	92	2	25	70-130	
Cyclohexane	100	98.3	98	0	25	70-130	
Chlorodibromomethane	100	91.1	91	3	25	70-130	
Dibromomethane	100	92.7	93	3	25	70-130	
Dichlorodifluoromethane	100	66.6	67	9	25	70-130	*
Ethyl ether	100	101	101	1	25	70-130	
Isopropyl ether	100	94.9	95	3	25	70-130	
Tert-butyl ethyl ether	100	97.8	98	3	25	70-130	
Ethylbenzene	100	101	101	6	25	70-130	
Hexachlorobutadiene	100	99.3	99	6	25	70-130	
Isopropylbenzene	100	101	101	7	25	70-130	
Methyl acetate	1000	1020	102	4	25	70-130	
2-Butanone (MEK)	1000	903	90	3	25	70-130	
4-Methyl-2-pentanone (MIBK)	1000	942	94	2	25	70-130	
Methyl tert-butyl ether	100	95.2	95	3	25	70-130	
Methylcyclohexane	100	99.6	100	0	25	70-130	
Methylene Chloride	100	105	105	3	25	70-130	
m-Xylene & p-Xylene	200	192	96	6	25	70-130	
Naphthalene	100	99.9	100	5	25	70-130	
N-Propylbenzene	100	99.5	99	6	25	70-130	
o-Xylene	100	97.5	98	6	25	70-130	
4-Isopropyltoluene	100	106	106	7	25	70-130	
sec-Butylbenzene	100	103	103	7	25	70-130	
Styrene	100	96.7	97	5	25	70-130	
Tert-amyl methyl ether	100	99.7	100	3	25	70-130	
tert-Butylbenzene	100	105	105	8	25	70-130	
Tetrachloroethene	100	99.1	99	3	25	70-130	
Tetrahydrofuran	1000	1050	105	2	25	70-130	
Toluene	100	97.3	97	4	25	70-130	
trans-1,2-Dichloroethene	100	92.5	93	5	25	70-130	
trans-1,3-Dichloropropene	100	91.6	92	1	25	70-130	
Trichloroethene	100	99.3	99	6	25	70-130	
Trichlorofluoromethane	100	98.7	99	7	25	70-130	
Vinyl chloride	100	98.4	98	7	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44923.D

Lab ID: LCSD 360-48877/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	100	104	104	7	25	70-130	
1,1,1-Trichloroethane	100	92.3	92	5	25	70-130	
1,1,2,2-Tetrachloroethane	100	92.9	93	6	25	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	100	96.1	96	8	25	70-130	
1,1,2-Trichloroethane	100	97.2	97	6	25	70-130	
1,1-Dichloroethane	100	98.8	99	4	25	70-130	
1,1-Dichloroethene	100	100	100	5	25	70-130	
1,1-Dichloropropene	100	95.7	96	6	25	70-130	
1,2,3-Trichlorobenzene	100	112	112	13	25	70-130	
1,2,3-Trichloropropane	100	116	116	8	25	70-130	
1,2,4-Trichlorobenzene	100	109	109	10	25	70-130	
1,2,4-Trimethylbenzene	100	97.9	98	6	25	70-130	
1,2-Dibromo-3-Chloropropane	100	104	104	14	25	70-130	
Ethylene Dibromide	100	98.7	99	6	25	70-130	
1,2-Dichlorobenzene	100	98.9	99	6	25	70-130	
1,2-Dichloroethane	100	96.4	96	8	25	70-130	
Acetone	1000	1020	102	11	25	70-130	
1,2-Dichloropropane	100	106	106	3	25	70-130	
1,3,5-Trimethylbenzene	100	102	102	6	25	70-130	
1,3-Dichlorobenzene	100	101	101	9	25	70-130	
1,3-Dichloropropane	100	95.2	95	6	25	70-130	
1,4-Dichlorobenzene	100	97.4	97	4	25	70-130	
1,4-Dioxane	1000	1030	103	18	25	70-130	
2,2-Dichloropropane	100	110	110	6	25	70-130	
2,4,4-Trimethyl-1-pentene	100	107	107	5	25	70-130	
2,4,4-Trimethyl-2-pentene	100	100	100	5	25	70-130	
2-Chlorotoluene	100	97.2	97	6	25	70-130	
2-Hexanone	1000	885	89	9	25	70-130	
4-Chlorotoluene	100	99.1	99	6	25	70-130	
Benzene	100	95.6	96	5	25	70-130	
Bromobenzene	100	95.6	96	7	25	70-130	
Chlorobromomethane	100	97.7	98	8	25	70-130	
Dichlorobromomethane	100	94.1	94	5	25	70-130	
Bromoform	100	88.6	89	4	25	70-130	
Bromomethane	100	100	100	6	25	70-130	
n-Butylbenzene	100	100	100	3	25	70-130	
Carbon disulfide	100	96.1	96	5	25	70-130	
Carbon tetrachloride	100	95.1	95	5	25	70-130	
Chlorobenzene	100	99.8	100	4	25	70-130	
Chloroethane	100	95.2	95	5	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44923.D

Lab ID: LCSD 360-48877/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloroform	100	99.3	99	4	25	70-130	
Chloromethane	100	90.1	90	8	25	70-130	
cis-1,2-Dichloroethene	100	94.8	95	5	25	70-130	
cis-1,3-Dichloropropene	100	92.7	93	3	25	70-130	
Cyclohexane	100	90.9	91	3	25	70-130	
Chlorodibromomethane	100	92.7	93	5	25	70-130	
Dibromomethane	100	97.3	97	7	25	70-130	
Dichlorodifluoromethane	100	60.0	60	4	25	70-130	*
Ethyl ether	100	103	103	6	25	70-130	
Isopropyl ether	100	93.8	94	6	25	70-130	
Tert-butyl ethyl ether	100	97.7	98	7	25	70-130	
Ethylbenzene	100	103	103	4	25	70-130	
Hexachlorobutadiene	100	101	101	5	25	70-130	
Isopropylbenzene	100	101	101	5	25	70-130	
Methyl acetate	1000	1200	120	14	25	70-130	
2-Butanone (MEK)	1000	923	92	9	25	70-130	
4-Methyl-2-pentanone (MIBK)	1000	942	94	10	25	70-130	
Methyl tert-butyl ether	100	95.7	96	9	25	70-130	
Methylcyclohexane	100	95.3	95	4	25	70-130	
Methylene Chloride	100	99.7	100	6	25	70-130	
m-Xylene & p-Xylene	200	195	98	4	25	70-130	
Naphthalene	100	101	101	14	25	70-130	
N-Propylbenzene	100	99.3	99	5	25	70-130	
o-Xylene	100	97.5	98	5	25	70-130	
4-Isopropyltoluene	100	107	107	7	25	70-130	
sec-Butylbenzene	100	103	103	6	25	70-130	
Styrene	100	97.6	98	5	25	70-130	
Tert-amyl methyl ether	100	100	100	9	25	70-130	
tert-Butylbenzene	100	104	104	6	25	70-130	
Tetrachloroethene	100	102	102	4	25	70-130	
Tetrahydrofuran	1000	1110	111	9	25	70-130	
Toluene	100	98.7	99	4	25	70-130	
trans-1,2-Dichloroethene	100	91.0	91	5	25	70-130	
trans-1,3-Dichloropropene	100	94.9	95	4	25	70-130	
Trichloroethene	100	98.8	99	4	25	70-130	
Trichlorofluoromethane	100	92.2	92	5	25	70-130	
Vinyl chloride	100	91.0	91	5	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V45015.D

Lab ID: LCSD 360-48975/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	100	99.0	99	0	25	70-130	
1,1,1-Trichloroethane	100	92.1	92	1	25	70-130	
1,1,2,2-Tetrachloroethane	100	87.2	87	5	25	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	100	92.7	93	3	25	70-130	
1,1,2-Trichloroethane	100	94.5	95	6	25	70-130	
1,1-Dichloroethane	100	97.7	98	1	25	70-130	
1,1-Dichloroethene	100	98.2	98	1	25	70-130	
1,1-Dichloropropene	100	94.6	95	1	25	70-130	
1,2,3-Trichlorobenzene	100	103	103	6	25	70-130	
1,2,3-Trichloropropane	100	112	112	8	25	70-130	
1,2,4-Trichlorobenzene	100	102	102	4	25	70-130	
1,2,4-Trimethylbenzene	100	94.2	94	0	25	70-130	
1,2-Dibromo-3-Chloropropane	100	91.0	91	4	25	70-130	
Ethylene Dibromide	100	98.5	99	10	25	70-130	
1,2-Dichlorobenzene	100	94.2	94	3	25	70-130	
1,2-Dichloroethane	100	95.0	95	5	25	70-130	
Acetone	1000	984	98	8	25	70-130	
1,2-Dichloropropane	100	106	106	4	25	70-130	
1,3,5-Trimethylbenzene	100	97.3	97	1	25	70-130	
1,3-Dichlorobenzene	100	95.4	95	1	25	70-130	
1,3-Dichloropropane	100	93.2	93	7	25	70-130	
1,4-Dichlorobenzene	100	94.0	94	1	25	70-130	
1,4-Dioxane	1000	1190	119	12	25	70-130	
2,2-Dichloropropane	100	105	105	2	25	70-130	
2,4,4-Trimethyl-1-pentene	100	105	105	2	25	70-130	
2,4,4-Trimethyl-2-pentene	100	98.5	99	3	25	70-130	
2-Chlorotoluene	100	93.8	94	0	25	70-130	
2-Hexanone	1000	882	88	13	25	70-130	
4-Chlorotoluene	100	94.4	94	1	25	70-130	
Benzene	100	96.1	96	2	25	70-130	
Bromobenzene	100	90.1	90	1	25	70-130	
Chlorobromomethane	100	95.8	96	3	25	70-130	
Dichlorobromomethane	100	92.0	92	3	25	70-130	
Bromoform	100	88.2	88	5	25	70-130	
Bromomethane	100	104	104	1	25	70-130	
n-Butylbenzene	100	96.3	96	2	25	70-130	
Carbon disulfide	100	93.9	94	1	25	70-130	
Carbon tetrachloride	100	93.1	93	1	25	70-130	
Chlorobenzene	100	99.0	99	2	25	70-130	
Chloroethane	100	96.8	97	1	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V45015.D

Lab ID: LCSD 360-48975/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloroform	100	94.9	95	1	25	70-130	
Chloromethane	100	91.5	91	0	25	70-130	
cis-1,2-Dichloroethene	100	93.0	93	2	25	70-130	
cis-1,3-Dichloropropene	100	93.4	93	7	25	70-130	
Cyclohexane	100	94.5	95	5	25	70-130	
Chlorodibromomethane	100	91.0	91	7	25	70-130	
Dibromomethane	100	96.5	97	7	25	70-130	
Dichlorodifluoromethane	100	59.9	60	2	25	70-130	*
Ethyl ether	100	104	104	6	25	70-130	
Isopropyl ether	100	91.6	92	3	25	70-130	
Tert-butyl ethyl ether	100	93.8	94	5	25	70-130	
Ethylbenzene	100	102	102	1	25	70-130	
Hexachlorobutadiene	100	100	100	1	25	70-130	
Isopropylbenzene	100	97.6	98	2	25	70-130	
Methyl acetate	1000	1250	125	5	25	70-130	
2-Butanone (MEK)	1000	908	91	7	25	70-130	
4-Methyl-2-pentanone (MIBK)	1000	922	92	11	25	70-130	
Methyl tert-butyl ether	100	91.6	92	6	25	70-130	
Methylcyclohexane	100	99.0	99	4	25	70-130	
Methylene Chloride	100	102	102	3	25	70-130	
m-Xylene & p-Xylene	200	191	96	0	25	70-130	
Naphthalene	100	92.0	92	6	25	70-130	
N-Propylbenzene	100	95.8	96	2	25	70-130	
o-Xylene	100	95.1	95	0	25	70-130	
4-Isopropyltoluene	100	102	102	2	25	70-130	
sec-Butylbenzene	100	97.7	98	2	25	70-130	
Styrene	100	94.5	95	3	25	70-130	
Tert-amyl methyl ether	100	97.1	97	6	25	70-130	
tert-Butylbenzene	100	99.0	99	2	25	70-130	
Tetrachloroethene	100	105	105	2	25	70-130	
Tetrahydrofuran	1000	1060	106	7	25	70-130	
Toluene	100	99.8	100	4	25	70-130	
trans-1,2-Dichloroethene	100	89.0	89	1	25	70-130	
trans-1,3-Dichloropropene	100	94.5	94	9	25	70-130	
Trichloroethene	100	100	100	2	25	70-130	
Trichlorofluoromethane	100	93.6	94	1	25	70-130	
Vinyl chloride	100	91.8	92	1	25	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44840.D

Lab ID: 360-24417-10 MS Client ID: OC-SB-465-8.0/10-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	94.8	ND	94.4	100	70-130	
1,1,1-Trichloroethane	94.8	ND	87.0	92	70-130	
1,1,2,2-Tetrachloroethane	94.8	ND	85.4	90	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	94.8	ND	87.6	92	70-130	
1,1,2-Trichloroethane	94.8	ND	87.0	92	70-130	
1,1-Dichloroethane	94.8	ND	93.0	98	70-130	
1,1-Dichloroethene	94.8	ND	91.2	96	70-130	
1,1-Dichloropropene	94.8	ND	86.9	92	70-130	
1,2,3-Trichlorobenzene	94.8	ND	91.5	96	70-130	
1,2,3-Trichloropropane	94.8	ND	99.4	105	70-130	
1,2,4-Trichlorobenzene	94.8	1.6 J	91.6	95	70-130	
1,2,4-Trimethylbenzene	94.8	ND	87.5	92	70-130	
1,2-Dibromo-3-Chloropropane	94.8	ND	88.6	93	70-130	
Ethylene Dibromide	94.8	ND	87.2	92	70-130	
1,2-Dichlorobenzene	94.8	ND	88.9	94	70-130	
1,2-Dichloroethane	94.8	ND	86.3	91	70-130	
Acetone	948	ND	791	83	70-130	
1,2-Dichloropropane	94.8	ND	99.1	104	70-130	
1,3,5-Trimethylbenzene	94.8	ND	91.1	96	70-130	
1,3-Dichlorobenzene	94.8	ND	87.0	92	70-130	
1,3-Dichloropropane	94.8	ND	86.3	91	70-130	
1,4-Dichlorobenzene	94.8	ND	89.6	94	70-130	
1,4-Dioxane	948	ND	900	95	70-130	
2,2-Dichloropropane	94.8	ND	102	107	70-130	
2,4,4-Trimethyl-1-pentene	94.8	ND	103	109	70-130	
2,4,4-Trimethyl-2-pentene	94.8	ND	95.3	100	70-130	
2-Chlorotoluene	94.8	ND	87.4	92	70-130	
2-Hexanone	948	ND	768	81	70-130	
4-Chlorotoluene	94.8	ND	89.4	94	70-130	
Benzene	94.8	ND	88.1	93	70-130	
Bromobenzene	94.8	ND	87.7	92	70-130	
Chlorobromomethane	94.8	ND	86.5	91	70-130	
Dichlorobromomethane	94.8	ND	85.1	90	70-130	
Bromoform	94.8	ND	78.7	83	70-130	
Bromomethane	94.8	ND	86.7	91	70-130	
n-Butylbenzene	94.8	ND	92.0	97	70-130	
Carbon disulfide	94.8	ND	83.9	88	70-130	
Carbon tetrachloride	94.8	ND	87.9	93	70-130	
Chlorobenzene	94.8	ND	92.0	97	70-130	
Chloroethane	94.8	ND	90.9	96	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44840.D

Lab ID: 360-24417-10 MS Client ID: OC-SB-465-8.0/10-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Chloroform	94.8	ND	89.2	94	70-130	
Chloromethane	94.8	ND	83.5	88	70-130	
cis-1,2-Dichloroethene	94.8	ND	87.6	92	70-130	
cis-1,3-Dichloropropene	94.8	ND	85.3	90	70-130	
Cyclohexane	94.8	ND	93.1	98	70-130	
Chlorodibromomethane	94.8	ND	82.3	87	70-130	
Dibromomethane	94.8	ND	83.1	88	70-130	
Dichlorodifluoromethane	94.8	ND	60.1	63	70-130	F
Ethyl ether	94.8	ND	92.4	97	70-130	
Isopropyl ether	94.8	ND	87.2	92	70-130	
Tert-butyl ethyl ether	94.8	ND	88.1	93	70-130	
Ethylbenzene	94.8	ND	95.4	101	70-130	
Hexachlorobutadiene	94.8	ND	84.9	90	70-130	
Isopropylbenzene	94.8	ND	92.9	98	70-130	
Methyl acetate	948	ND	956	101	70-130	
2-Butanone (MEK)	948	ND	791	83	70-130	
4-Methyl-2-pentanone (MIBK)	948	ND	783	83	70-130	
Methyl tert-butyl ether	94.8	ND	84.4	89	70-130	
Methylcyclohexane	94.8	ND	93.2	98	70-130	
Methylene Chloride	94.8	5.2 J	104	105	70-130	
m-Xylene & p-Xylene	190	ND	179	94	70-130	
Naphthalene	94.8	ND	86.1	91	70-130	
N-Propylbenzene	94.8	ND	90.6	96	70-130	
o-Xylene	94.8	ND	89.6	94	70-130	
4-Isopropyltoluene	94.8	ND	93.7	99	70-130	
sec-Butylbenzene	94.8	ND	90.7	96	70-130	
Styrene	94.8	ND	90.0	95	70-130	
Tert-amyl methyl ether	94.8	ND	88.8	94	70-130	
tert-Butylbenzene	94.8	ND	93.1	98	70-130	
Tetrachloroethene	94.8	ND	91.7	97	70-130	
Tetrahydrofuran	948	9.3 J	936	98	70-130	
Toluene	94.8	ND	90.3	95	70-130	
trans-1,2-Dichloroethene	94.8	ND	82.8	87	70-130	
trans-1,3-Dichloropropene	94.8	ND	86.7	91	70-130	
Trichloroethene	94.8	ND	89.9	95	70-130	
Trichlorofluoromethane	94.8	ND	90.8	96	70-130	
Vinyl chloride	94.8	ND	89.8	95	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44841.D

Lab ID: 360-24417-10 MSD Client ID: OC-SB-465-8.0/10-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	105	106	102	12	30	70-130	
1,1,1-Trichloroethane	105	97.0	93	11	30	70-130	
1,1,2,2-Tetrachloroethane	105	95.5	91	11	30	70-130	
1,1,2-Trichloro-1,2,2-trifluor oethane	105	98.2	94	11	30	70-130	
1,1,2-Trichloroethane	105	96.5	92	10	30	70-130	
1,1-Dichloroethane	105	104	99	11	30	70-130	
1,1-Dichloroethene	105	99.4	95	9	30	70-130	
1,1-Dichloropropene	105	95.1	91	9	30	70-130	
1,2,3-Trichlorobenzene	105	99.3	95	8	30	70-130	
1,2,3-Trichloropropane	105	119	114	18	30	70-130	
1,2,4-Trichlorobenzene	105	99.9	94	9	30	70-130	
1,2,4-Trimethylbenzene	105	101	96	14	30	70-130	
1,2-Dibromo-3-Chloropropane	105	95.3	91	7	30	70-130	
Ethylene Dibromide	105	96.6	92	10	30	70-130	
1,2-Dichlorobenzene	105	98.7	94	10	30	70-130	
1,2-Dichloroethane	105	98.7	94	13	30	70-130	
Acetone	1050	988	94	22	30	70-130	
1,2-Dichloropropane	105	108	103	8	30	70-130	
1,3,5-Trimethylbenzene	105	103	98	12	30	70-130	
1,3-Dichlorobenzene	105	102	97	16	30	70-130	
1,3-Dichloropropane	105	94.6	90	9	30	70-130	
1,4-Dichlorobenzene	105	98.9	94	10	30	70-130	
1,4-Dioxane	1050	1060	102	17	30	70-130	
2,2-Dichloropropane	105	113	108	10	30	70-130	
2,4,4-Trimethyl-1-pentene	105	113	108	8	30	70-130	
2,4,4-Trimethyl-2-pentene	105	101	96	6	30	70-130	
2-Chlorotoluene	105	100	96	14	30	70-130	
2-Hexanone	1050	872	83	13	30	70-130	
4-Chlorotoluene	105	102	97	13	30	70-130	
Benzene	105	96.5	92	9	30	70-130	
Bromobenzene	105	99.3	95	12	30	70-130	
Chlorobromomethane	105	99.5	95	14	30	70-130	
Dichlorobromomethane	105	95.0	91	11	30	70-130	
Bromoform	105	88.8	85	12	30	70-130	
Bromomethane	105	105	100	19	30	70-130	
n-Butylbenzene	105	98.0	94	6	30	70-130	
Carbon disulfide	105	92.2	88	9	30	70-130	
Carbon tetrachloride	105	96.0	92	9	30	70-130	
Chlorobenzene	105	101	96	9	30	70-130	
Chloroethane	105	104	100	14	30	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: V44841.D

Lab ID: 360-24417-10 MSD Client ID: OC-SB-465-8.0/10-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloroform	105	103	98	14	30	70-130	
Chloromethane	105	96.7	92	15	30	70-130	
cis-1,2-Dichloroethene	105	98.1	94	11	30	70-130	
cis-1,3-Dichloropropene	105	93.7	90	9	30	70-130	
Cyclohexane	105	103	98	10	30	70-130	
Chlorodibromomethane	105	92.4	88	12	30	70-130	
Dibromomethane	105	95.2	91	14	30	70-130	
Dichlorodifluoromethane	105	67.7	65	12	30	70-130	F
Ethyl ether	105	109	104	17	30	70-130	
Isopropyl ether	105	99.4	95	13	30	70-130	
Tert-butyl ethyl ether	105	103	98	15	30	70-130	
Ethylbenzene	105	104	99	9	30	70-130	
Hexachlorobutadiene	105	88.8	85	4	30	70-130	
Isopropylbenzene	105	104	99	11	30	70-130	
Methyl acetate	1050	1110	106	15	30	70-130	
2-Butanone (MEK)	1050	910	87	14	30	70-130	
4-Methyl-2-pentanone (MIBK)	1050	934	89	18	30	70-130	
Methyl tert-butyl ether	105	99.2	95	16	30	70-130	
Methylcyclohexane	105	103	98	10	30	70-130	
Methylene Chloride	105	118	108	12	30	70-130	
m-Xylene & p-Xylene	209	197	94	10	30	70-130	
Naphthalene	105	95.8	92	11	30	70-130	
N-Propylbenzene	105	102	97	12	30	70-130	
o-Xylene	105	101	96	12	30	70-130	
4-Isopropyltoluene	105	107	103	14	30	70-130	
sec-Butylbenzene	105	103	99	13	30	70-130	
Styrene	105	100	96	11	30	70-130	
Tert-amyl methyl ether	105	103	99	15	30	70-130	
tert-Butylbenzene	105	107	102	14	30	70-130	
Tetrachloroethene	105	97.3	93	6	30	70-130	
Tetrahydrofuran	1050	1120	106	18	30	70-130	
Toluene	105	97.6	93	8	30	70-130	
trans-1,2-Dichloroethene	105	91.8	88	10	30	70-130	
trans-1,3-Dichloropropene	105	94.7	90	9	30	70-130	
Trichloroethene	105	97.7	93	8	30	70-130	
Trichlorofluoromethane	105	102	97	11	30	70-130	
Vinyl chloride	105	98.9	94	10	30	70-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: V44802.D Lab Sample ID: MB 360-48710/3-A

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: HP #1 GC/MS Date Analyzed: 09/08/2009 21:38

GC Column: RTX-VMS ID: 0.25(um)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48710/1-A	V44799.D	09/08/2009 20:26
	LCSD 360-48710/2-A	V44800.D	09/08/2009 20:50
OC-SB-463-6.0/8.0-XXX	360-24417-3	V44810.D	09/09/2009 00:52
OC-SB-464-5.0/7.0-XXX	360-24417-6	V44811.D	09/09/2009 01:16
OC-SB-465-8.0/10-DUP	360-24417-9	V44812.D	09/09/2009 01:40
OC-SB-468-8.0/10-XXX	360-24417-13	V44813.D	09/09/2009 02:04
OC-SB-471-3.0/5.0-XXX	360-24417-15	V44814.D	09/09/2009 02:28

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: V44843.D Lab Sample ID: MB 360-48765/3-A

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: HP #1 GC/MS Date Analyzed: 09/09/2009 19:05

GC Column: RTX-VMS ID: 0.25(um)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48765/1-A	V44838.D	09/09/2009 17:06
	LCSD 360-48765/2-A	V44839.D	09/09/2009 17:30
OC-SB-465-8.0/10-XXX MS	360-24417-10 MS	V44840.D	09/09/2009 17:54
OC-SB-465-8.0/10-XXX MSD	360-24417-10 MSD	V44841.D	09/09/2009 18:18
OC-SB-465-8.0/10-XXX	360-24417-10	V44845.D	09/09/2009 19:53

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: V44925.D Lab Sample ID: MB 360-48877/3-A

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: HP #1 GC/MS Date Analyzed: 09/12/2009 14:06

GC Column: RTX-VMS ID: 0.25(um)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48877/1-A	V44922.D	09/12/2009 12:55
	LCSD 360-48877/2-A	V44923.D	09/12/2009 13:19
OC-SB-463-0.0/1.0-XXX	360-24417-1	V44929.D	09/12/2009 15:42
OC-SB-464-0.0/1.0-XXX	360-24417-4	V44930.D	09/12/2009 16:06
OC-SB-465-0.0/1.0-XXX	360-24417-7	V44931.D	09/12/2009 16:30
OC-SB-468-0.0/1.0-XXX	360-24417-11	V44932.D	09/12/2009 16:54
OC-SB-471-0.0/1.0-XXX	360-24417-14	V44933.D	09/12/2009 17:18
OC-TBK-012	360-24417-17	V44934.D	09/12/2009 17:43

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: V45019.D Lab Sample ID: MB 360-48975/3-A

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: HP #1 GC/MS Date Analyzed: 09/15/2009 17:34

GC Column: RTX-VMS ID: 0.25(um)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48975/1-A	V45014.D	09/15/2009 15:33
	LCSD 360-48975/2-A	V45015.D	09/15/2009 15:57
OC-SB-465-16/18-XXX	360-24417-8	V45030.D	09/15/2009 21:58

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: V44787.D BFB Injection Date: 09/08/2009

Instrument ID: HP #1 GC/MS BFB Injection Time: 15:37

Analysis Batch No.: 48701

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	29.2	
75	30.0 - 60.0 % of mass 95	53.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	63.2	
175	5.0 - 9.0 % of mass 174	5.1	(8.0)1
176	95.0 - 101.0 % of mass 174	61.0	(96.4)1
177	5.0 - 9.0 % of mass 176	4.1	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

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
	STD20 360-48701/2	V44788.D	09/08/2009	16:02
	STD0005 360-48701/3	V44790.D	09/08/2009	16:50
	STD001 360-48701/4	V44791.D	09/08/2009	17:14
	STD005 360-48701/5	V44792.D	09/08/2009	17:38
	STD010 360-48701/6	V44793.D	09/08/2009	18:02
	STD040 360-48701/7	V44794.D	09/08/2009	18:25
	STD080 360-48701/8	V44795.D	09/08/2009	18:49
	ICV 360-48701/9	V44796.D	09/08/2009	19:13

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: V44797.D BFB Injection Date: 09/08/2009

Instrument ID: HP #1 GC/MS BFB Injection Time: 19:37

Analysis Batch No.: 48711

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	28.8	
75	30.0 - 60.0 % of mass 95	52.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	66.7	
175	5.0 - 9.0 % of mass 174	5.5	(8.3)1
176	95.0 - 101.0 % of mass 174	65.1	(97.6)1
177	5.0 - 9.0 % of mass 176	4.4	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

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
	CCVIS 360-48711/2	V44798.D	09/08/2009	20:02
	LCS 360-48710/1-A	V44799.D	09/08/2009	20:26
	LCSD 360-48710/2-A	V44800.D	09/08/2009	20:50
	MB 360-48710/3-A	V44802.D	09/08/2009	21:38
OC-SB-463-6.0/8.0-XXX	360-24417-3	V44810.D	09/09/2009	00:52
OC-SB-464-5.0/7.0-XXX	360-24417-6	V44811.D	09/09/2009	01:16
OC-SB-465-8.0/10-DUP	360-24417-9	V44812.D	09/09/2009	01:40
OC-SB-468-8.0/10-XXX	360-24417-13	V44813.D	09/09/2009	02:04
OC-SB-471-3.0/5.0-XXX	360-24417-15	V44814.D	09/09/2009	02:28

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: V44836A.D BFB Injection Date: 09/09/2009

Instrument ID: HP #1 GC/MS BFB Injection Time: 16:42

Analysis Batch No.: 48767

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	29.5	
75	30.0 - 60.0 % of mass 95	52.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	64.6	
175	5.0 - 9.0 % of mass 174	5.2	(8.0)1
176	95.0 - 101.0 % of mass 174	63.0	(97.6)1
177	5.0 - 9.0 % of mass 176	4.3	(6.9)2

1-Value is % mass 174 2-Value is % mass 176

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
	CCVIS 360-48767/2	V44837.D	09/09/2009	16:42
	LCS 360-48765/1-A	V44838.D	09/09/2009	17:06
	LCSD 360-48765/2-A	V44839.D	09/09/2009	17:30
OC-SB-465-8.0/10-XXX MS	360-24417-10 MS	V44840.D	09/09/2009	17:54
OC-SB-465-8.0/10-XXX MSD	360-24417-10 MSD	V44841.D	09/09/2009	18:18
	MB 360-48765/3-A	V44843.D	09/09/2009	19:05
OC-SB-465-8.0/10-XXX	360-24417-10	V44845.D	09/09/2009	19:53

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: V44920.D BFB Injection Date: 09/12/2009

Instrument ID: HP #1 GC/MS BFB Injection Time: 12:07

Analysis Batch No.: 48878

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	29.0	
75	30.0 - 60.0 % of mass 95	50.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	63.8	
175	5.0 - 9.0 % of mass 174	5.3	(8.4)1
176	95.0 - 101.0 % of mass 174	63.4	(99.4)1
177	5.0 - 9.0 % of mass 176	4.3	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

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
	CCVIS 360-48878/2	V44921.D	09/12/2009	12:31
	LCS 360-48877/1-A	V44922.D	09/12/2009	12:55
	LCSD 360-48877/2-A	V44923.D	09/12/2009	13:19
	MB 360-48877/3-A	V44925.D	09/12/2009	14:06
OC-SB-463-0.0/1.0-XXX	360-24417-1	V44929.D	09/12/2009	15:42
OC-SB-464-0.0/1.0-XXX	360-24417-4	V44930.D	09/12/2009	16:06
OC-SB-465-0.0/1.0-XXX	360-24417-7	V44931.D	09/12/2009	16:30
OC-SB-468-0.0/1.0-XXX	360-24417-11	V44932.D	09/12/2009	16:54
OC-SB-471-0.0/1.0-XXX	360-24417-14	V44933.D	09/12/2009	17:18
OC-TBK-012	360-24417-17	V44934.D	09/12/2009	17:43

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: V45012.D BFB Injection Date: 09/15/2009

Instrument ID: HP #1 GC/MS BFB Injection Time: 14:44

Analysis Batch No.: 48976

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	27.8	
75	30.0 - 60.0 % of mass 95	50.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	67.8	
175	5.0 - 9.0 % of mass 174	5.5	(8.2)1
176	95.0 - 101.0 % of mass 174	66.3	(97.8)1
177	5.0 - 9.0 % of mass 176	4.6	(7.0)2

1-Value is % mass 174 2-Value is % mass 176

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
	CCVIS 360-48976/2	V45013.D	09/15/2009	15:08
	LCS 360-48975/1-A	V45014.D	09/15/2009	15:33
	LCSD 360-48975/2-A	V45015.D	09/15/2009	15:57
	MB 360-48975/3-A	V45019.D	09/15/2009	17:34
OC-SB-465-16/18-XXX	360-24417-8	V45030.D	09/15/2009	21:58

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Sample No.: CCVIS 360-48711/2 Date Analyzed: 09/08/2009 20:02

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V44798.D Heated Purge: (Y/N) N

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		23523	5.65	535921	5.88	339021	8.32
UPPER LIMIT		47046	6.15	1071842	6.38	678042	8.82
LOWER LIMIT		11762	5.15	267961	5.38	169511	7.82
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-48710/1-A		19516	5.65	472049	5.88	281506	8.32
LCSD 360-48710/2-A		21446	5.65	500977	5.88	306473	8.32
MB 360-48710/3-A		20326	5.65	472610	5.88	289005	8.32
360-24417-3	OC-SB-463-6.0/8.0-XXX	20702	5.65	467196	5.88	276537	8.32
360-24417-6	OC-SB-464-5.0/7.0-XXX	20137	5.65	450384	5.88	265126	8.32
360-24417-9	OC-SB-465-8.0/10-DUP	18270	5.65	447061	5.88	261388	8.32
360-24417-13	OC-SB-468-8.0/10-XXX	19451	5.65	449643	5.88	266412	8.32
360-24417-15	OC-SB-471-3.0/5.0-XXX	20059	5.65	452173	5.88	262252	8.32

12DCE = 1,2-Dichloroethane-d4 ISTD
FB = Fluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Sample No.: CCVIS 360-48711/2 Date Analyzed: 09/08/2009 20:02

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V44798.D Heated Purge: (Y/N) N

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		150244	10.14				
UPPER LIMIT		300488	10.64				
LOWER LIMIT		75122	9.64				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-48710/1-A		133039	10.13				
LCSD 360-48710/2-A		142604	10.13				
MB 360-48710/3-A		136070	10.13				
360-24417-3	OC-SB-463-6.0/8.0-XXX	137196	10.13				
360-24417-6	OC-SB-464-5.0/7.0-XXX	130722	10.13				
360-24417-9	OC-SB-465-8.0/10-DUP	128033	10.13				
360-24417-13	OC-SB-468-8.0/10-XXX	132455	10.13				
360-24417-15	OC-SB-471-3.0/5.0-XXX	133561	10.13				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Sample No.: CCVIS 360-48767/2 Date Analyzed: 09/09/2009 16:42

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V44837.D Heated Purge: (Y/N) N

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		26071	5.64	540044	5.87	336855	8.32
UPPER LIMIT		52142	6.14	1080088	6.37	673710	8.82
LOWER LIMIT		13036	5.14	270022	5.37	168428	7.82
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-48765/1-A		21452	5.65	486594	5.88	302398	8.32
LCSD 360-48765/2-A		21186	5.64	479122	5.87	293982	8.31
360-24417-10 MS	OC-SB-465-8.0/10-XXX MS	20608	5.65	481261	5.87	289933	8.31
360-24417-10 MSD	OC-SB-465-8.0/10-XXX MSD	20435	5.64	469713	5.87	280104	8.31
MB 360-48765/3-A		18618	5.64	430407	5.87	264758	8.31
360-24417-10	OC-SB-465-8.0/10-XXX	19294	5.64	433430	5.87	268564	8.31

12DCE = 1,2-Dichloroethane-d4 ISTD
FB = Fluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Sample No.: CCVIS 360-48767/2 Date Analyzed: 09/09/2009 16:42

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V44837.D Heated Purge: (Y/N) N

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		152815	10.13				
UPPER LIMIT		305630	10.63				
LOWER LIMIT		76408	9.63				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-48765/1-A		140892	10.13				
LCSD 360-48765/2-A		139060	10.12				
360-24417-10 MS	OC-SB-465-8.0/10-XXX MS	129821	10.12				
360-24417-10 MSD	OC-SB-465-8.0/10-XXX MSD	133047	10.12				
MB 360-48765/3-A		131728	10.12				
360-24417-10	OC-SB-465-8.0/10-XXX	129441	10.12				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Sample No.: CCVIS 360-48878/2 Date Analyzed: 09/12/2009 12:31

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V44921.D Heated Purge: (Y/N) N

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		22279	5.67	477588	5.89	286880	8.33
UPPER LIMIT		44558	6.17	955176	6.39	573760	8.83
LOWER LIMIT		11140	5.17	238794	5.39	143440	7.83
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-48877/1-A		22284	5.67	482795	5.89	294219	8.33
LCSD 360-48877/2-A		22745	5.67	479756	5.89	288925	8.33
MB 360-48877/3-A		17141	5.66	394856	5.89	236414	8.33
360-24417-1	OC-SB-463-0.0/1.0-XXX	20366	5.67	443769	5.89	268387	8.33
360-24417-4	OC-SB-464-0.0/1.0-XXX	18256	5.66	423829	5.89	250528	8.33
360-24417-7	OC-SB-465-0.0/1.0-XXX	19040	5.66	438335	5.89	265766	8.33
360-24417-11	OC-SB-468-0.0/1.0-XXX	19904	5.66	439101	5.89	263107	8.33
360-24417-14	OC-SB-471-0.0/1.0-XXX	20436	5.67	482484	5.89	283962	8.33
360-24417-17	OC-TBK-012	20701	5.67	491554	5.89	292764	8.33

12DCE = 1,2-Dichloroethane-d4 ISTD
FB = Fluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Sample No.: CCVIS 360-48878/2 Date Analyzed: 09/12/2009 12:31

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V44921.D Heated Purge: (Y/N) N

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		133935	10.14				
UPPER LIMIT		267870	10.64				
LOWER LIMIT		66968	9.64				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-48877/1-A		133940	10.13				
LCSD 360-48877/2-A		139063	10.14				
MB 360-48877/3-A		117984	10.13				
360-24417-1	OC-SB-463-0.0/1.0-XXX	124982	10.14				
360-24417-4	OC-SB-464-0.0/1.0-XXX	120053	10.13				
360-24417-7	OC-SB-465-0.0/1.0-XXX	119612	10.14				
360-24417-11	OC-SB-468-0.0/1.0-XXX	122593	10.14				
360-24417-14	OC-SB-471-0.0/1.0-XXX	122890	10.14				
360-24417-17	OC-TBK-012	121533	10.14				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Sample No.: CCVIS 360-48976/2 Date Analyzed: 09/15/2009 15:08

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V45013.D Heated Purge: (Y/N) N

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		23244	5.67	539901	5.90	340363	8.34
UPPER LIMIT		46488	6.17	1079802	6.40	680726	8.84
LOWER LIMIT		11622	5.17	269951	5.40	170182	7.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-48975/1-A		20697	5.68	478824	5.90	285907	8.34
LCSD 360-48975/2-A		20920	5.67	479697	5.90	293962	8.34
MB 360-48975/3-A		19147	5.67	432696	5.89	263169	8.33
360-24417-8	OC-SB-465-16/18-XXX	18415	5.66	419075	5.89	249401	8.33

12DCE = 1,2-Dichloroethane-d4 ISTD
FB = Fluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Sample No.: CCVIS 360-48976/2 Date Analyzed: 09/15/2009 15:08

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V45013.D Heated Purge: (Y/N) N

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		140492	10.14				
UPPER LIMIT		280984	10.64				
LOWER LIMIT		70246	9.64				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-48975/1-A		134520	10.14				
LCSD 360-48975/2-A		138104	10.14				
MB 360-48975/3-A		131708	10.14				
360-24417-8	OC-SB-465-16/18-XXX	118516	10.14				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-0.0/1.0-XXX | Lab Sample ID: 360-24417-1

Matrix: Solid | Lab File ID: V44929.D

Analysis Method: 8260B | Date Collected: 09/01/2009 13:00

Sample wt/vol: 5.32(g) | Date Analyzed: 09/12/2009 15:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 3.8 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.4	0.98
71-55-6	1,1,1-Trichloroethane	ND		2.4	0.98
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.4	0.98
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	0.98
79-00-5	1,1,2-Trichloroethane	ND		2.4	0.98
75-34-3	1,1-Dichloroethane	ND		2.4	0.98
75-35-4	1,1-Dichloroethene	ND		2.4	0.98
563-58-6	1,1-Dichloropropene	ND		2.4	0.98
87-61-6	1,2,3-Trichlorobenzene	ND		2.4	0.98
96-18-4	1,2,3-Trichloropropane	ND		2.4	1.4
120-82-1	1,2,4-Trichlorobenzene	ND		2.4	0.98
95-63-6	1,2,4-Trimethylbenzene	ND		2.4	0.98
96-12-8	1,2-Dibromo-3-Chloropropane	ND		24	1.8
106-93-4	Ethylene Dibromide	ND		2.4	0.98
95-50-1	1,2-Dichlorobenzene	ND		2.4	0.98
107-06-2	1,2-Dichloroethane	ND		2.4	0.98
67-64-1	Acetone	ND		240	18
78-87-5	1,2-Dichloropropane	ND		2.4	0.98
108-67-8	1,3,5-Trimethylbenzene	ND		2.4	0.98
541-73-1	1,3-Dichlorobenzene	ND		2.4	0.98
142-28-9	1,3-Dichloropropane	ND		2.4	0.98
106-46-7	1,4-Dichlorobenzene	ND		2.4	0.98
123-91-1	1,4-Dioxane	ND		240	32
594-20-7	2,2-Dichloropropane	ND		2.4	0.98
107-39-1	2,4,4-Trimethyl-1-pentene	ND		4.9	0.98
107-40-4	2,4,4-Trimethyl-2-pentene	ND		4.9	0.98
95-49-8	2-Chlorotoluene	ND		2.4	0.98
591-78-6	2-Hexanone	ND		24	5.0
106-43-4	4-Chlorotoluene	ND		2.4	0.98
71-43-2	Benzene	ND		2.4	0.98
108-86-1	Bromobenzene	ND		2.4	0.98
74-97-5	Chlorobromomethane	ND		2.4	0.98
75-27-4	Dichlorobromomethane	ND		2.4	0.98
75-25-2	Bromoform	ND		2.4	0.98
74-83-9	Bromomethane	ND		4.9	0.98

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-0.0/1.0-XXX | Lab Sample ID: 360-24417-1

Matrix: Solid | Lab File ID: V44929.D

Analysis Method: 8260B | Date Collected: 09/01/2009 13:00

Sample wt/vol: 5.32(g) | Date Analyzed: 09/12/2009 15:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 3.8 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.4	0.98
75-15-0	Carbon disulfide	ND		2.4	0.98
56-23-5	Carbon tetrachloride	ND		2.4	0.98
108-90-7	Chlorobenzene	ND		2.4	0.98
75-00-3	Chloroethane	ND		4.9	0.98
67-66-3	Chloroform	ND		2.4	0.98
74-87-3	Chloromethane	ND		4.9	0.98
156-59-2	cis-1,2-Dichloroethene	ND		2.4	0.98
10061-01-5	cis-1,3-Dichloropropene	ND		2.4	0.98
110-82-7	Cyclohexane	ND		24	2.5
124-48-1	Chlorodibromomethane	ND		2.4	0.98
74-95-3	Dibromomethane	ND		2.4	0.98
75-71-8	Dichlorodifluoromethane	ND	*	4.9	0.98
60-29-7	Ethyl ether	ND		2.4	0.98
108-20-3	Isopropyl ether	ND		2.4	0.98
637-92-3	Tert-butyl ethyl ether	ND		2.4	2.4
100-41-4	Ethylbenzene	ND		2.4	0.98
87-68-3	Hexachlorobutadiene	ND		2.4	0.98
98-82-8	Isopropylbenzene	ND		2.4	0.98
79-20-9	Methyl acetate	ND		49	16
78-93-3	2-Butanone (MEK)	ND		24	6.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		24	5.0
1634-04-4	Methyl tert-butyl ether	ND		2.4	0.98
108-87-2	Methylcyclohexane	ND		2.4	0.98
75-09-2	Methylene Chloride	ND		9.8	4.7
136777-61-2	m-Xylene & p-Xylene	ND		4.9	0.98
91-20-3	Naphthalene	ND		24	0.98
103-65-1	N-Propylbenzene	ND		2.4	0.98
95-47-6	o-Xylene	ND		2.4	0.98
99-87-6	4-Isopropyltoluene	ND		2.4	0.98
135-98-8	sec-Butylbenzene	ND		2.4	0.98
100-42-5	Styrene	ND		2.4	0.98
994-05-8	Tert-amyl methyl ether	ND		2.4	0.98
98-06-6	tert-Butylbenzene	ND		2.4	0.98
127-18-4	Tetrachloroethene	ND		2.4	0.98
109-99-9	Tetrahydrofuran	6.4	J	24	5.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-0.0/1.0-XXX | Lab Sample ID: 360-24417-1

Matrix: Solid | Lab File ID: V44929.D

Analysis Method: 8260B | Date Collected: 09/01/2009 13:00

Sample wt/vol: 5.32(g) | Date Analyzed: 09/12/2009 15:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 3.8 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.4	0.98
156-60-5	trans-1,2-Dichloroethene	ND		2.4	0.98
10061-02-6	trans-1,3-Dichloropropene	ND		2.4	0.98
79-01-6	Trichloroethene	ND		2.4	0.98
75-69-4	Trichlorofluoromethane	ND		4.9	0.98
75-01-4	Vinyl chloride	ND		2.4	0.98

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	100	70-130	
1868-53-7	Dibromofluoromethane	105	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-0.0/1.0-XXX Lab Sample ID: 360-24417-1

Matrix: Solid Lab File ID: V44929.D

Analysis Method: 8260B Date Collected: 09/01/2009 13:00

Sample wt/vol: 5.32(g) Date Analyzed: 09/12/2009 15:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 3.8 Level: (low/med) Low

Analysis Batch No.: 48878 Units: ug/Kg

Number TICs Found: 3 TIC Result Total: 56

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.04	3.0	T J
92-52-4	Biphenyl	16.11	16	T J N
101-84-8	Diphenyl ether	16.41	37	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44929.D		
Lims ID:	360-24417-D-1-A	Client ID:	OC-SB-463-0.0/1.0-XXX
Inject. Date:	12-Sep-2009 15:42:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-D-1-A		
Misc. Info.:	360-0001152-010		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	48878	Lims Sample ID:	10
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 09:03:04	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	14-Sep-2009 09:03:46

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.640				1
2 Chloromethane	50		1.821				79
3 Vinyl chloride	62		1.919				1
4 Bromomethane	94		2.276				1
5 Chloroethane	64		2.405				1
6 Trichlorofluoromethane	101		2.549				1
7 Ethyl ether	59		2.875				1
8 1,1-Dichloroethene	96		3.066				1
10 Carbon disulfide	76		3.082				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.133				1
14 Methylene Chloride	84		3.635				7
15 Acetone	43		3.692				7
16 trans-1,2-Dichloroethene	61		3.785				1
17 Methyl acetate	43		3.810				1
19 Methyl tert-butyl ether	73		3.893				1
21 Isopropyl ether	45		4.234				1
22 1,1-Dichloroethane	63		4.348				1
24 Tert-butyl ethyl ether	59		4.560				1
26 cis-1,2-Dichloroethene	61		4.818				1
27 2,2-Dichloropropane	77		4.916				1
28 Cyclohexane	56		4.983				1
29 Chlorobromomethane	130		4.989				1
30 Chloroform	83		5.056				1
32 Carbon tetrachloride	117		5.170				1
33 Tetrahydrofuran	42	5.196	5.190	0.006	5204	1.30	
$ 35 Dibromofluoromethane	113	5.207	5.211	-0.004	108002	20.9	
36 1,1,1-Trichloroethane	97		5.232				1
37 2-Butanone (MEK)	43		5.325				1
38 1,1-Dichloropropene	75		5.335				1
40 Benzene	78		5.547				47
41 Tert-amyl methyl ether	73		5.640				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.667	5.666	0.001	20366	20.0	
43 1,2-Dichloroethane	62		5.722				479
* 44 Fluorobenzene	96	5.889	5.893	-0.004	443769	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.914				
47 Methylcyclohexane	83		6.017				1
48 Trichloroethene	95		6.022				1
49 2,4,4-Trimethyl-2-pentene	112		6.048				1
50 Dibromomethane	93		6.368				1
51 1,2-Dichloropropane	63		6.451				1
52 Dichlorobromomethane	83		6.493				1
54 1,4-Dioxane	88		6.653				1
57 cis-1,3-Dichloropropene	75		6.994				1
$ 58 Toluene-d8 (Surr)	98	7.134	7.138	-0.004	396895	20.1	
59 Toluene	92		7.175				1
60 Tetrachloroethene	164		7.469				1
61 4-Methyl-2-pentanone (MIBK)	43		7.469				1
62 trans-1,3-Dichloropropene	75		7.495				1
64 1,1,2-Trichloroethane	83		7.619				1
65 Chlorodibromomethane	129		7.759				1
66 1,3-Dichloropropane	76		7.831				1
67 Ethylene Dibromide	107		7.945				1
69 2-Hexanone	43		8.105				1
* 70 Chlorobenzene-d5	117	8.328	8.332	-0.004	268387	20.0	
71 Chlorobenzene	112		8.343				1
72 Ethylbenzene	91		8.358				1
73 1,1,1,2-Tetrachloroethane	131		8.389				1
74 m-Xylene & p-Xylene	91		8.467				1
75 o-Xylene	91		8.803				1
76 Styrene	104		8.839				1
77 Bromoform	173		8.865				1
78 Isopropylbenzene	105		9.040				1
$ 80 4-Bromofluorobenzene	95	9.264	9.262	0.002	153538	20.0	
81 Bromobenzene	77		9.350				1
82 N-Propylbenzene	91		9.361				1
83 1,1,2,2-Tetrachloroethane	83		9.412				1
84 2-Chlorotoluene	91		9.485				1
85 1,3,5-Trimethylbenzene	105		9.511				1
86 1,2,3-Trichloropropane	110		9.526				1
88 4-Chlorotoluene	91		9.614				1
89 tert-Butylbenzene	119		9.759				1
90 1,2,4-Trimethylbenzene	105		9.815				1
91 sec-Butylbenzene	105		9.898				1
92 4-Isopropyltoluene	119		10.007				1
93 1,3-Dichlorobenzene	146		10.079				1
* 94 1,4-Dichlorobenzene-d4	152	10.137	10.136	0.001	124982	20.0	
95 1,4-Dichlorobenzene	146		10.146				1
96 n-Butylbenzene	91		10.353				1
97 1,2-Dichlorobenzene	146		10.508				1
98 1,2-Dibromo-3-Chloropropane	157		11.278				1
100 Hexachlorobutadiene	225		12.032				1
101 1,2,4-Trichlorobenzene	180		12.084				1
102 Naphthalene	128		12.549				1

Report Date: 14-Sep-2009 09:03:46 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44929.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.823				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44929.D		
Lims ID:	360-24417-D-1-A	Client ID:	OC-SB-463-0.0/1.0-XXX
Inject. Date:	12-Sep-2009 15:42:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-D-1-A		
Misc. Info.:	360-0001152-010		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	48878	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 09:03:04	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	14-Sep-2009 09:03:46

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.044	28809	0.6050	94			
92-52-4		Biphenyl				
16.106	152357	3.20	94	94	68950	
101-84-8		Diphenyl ether				
16.406	356894	7.49	94	93	74261	

Quantitation Compounds

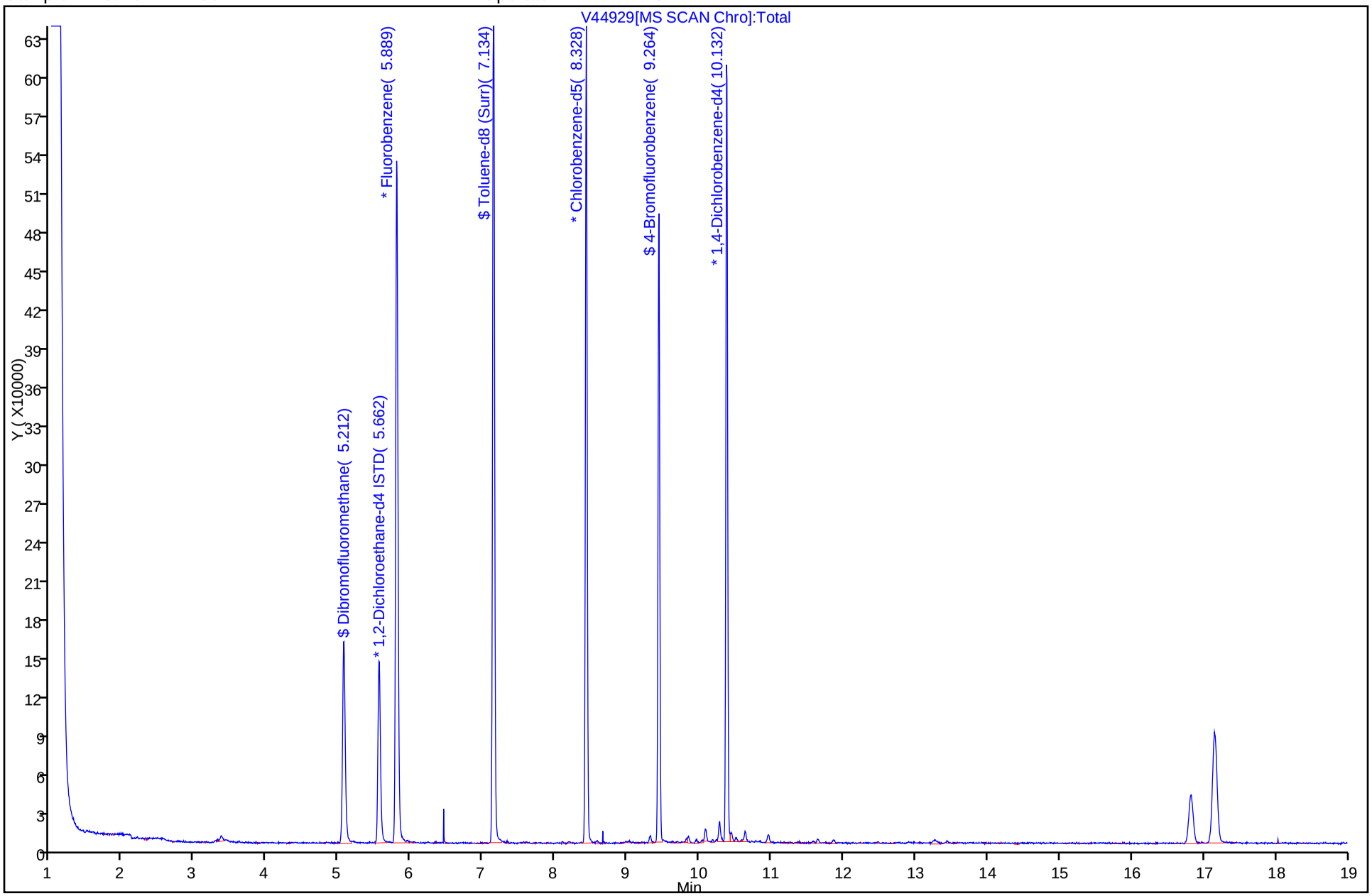
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.132	952383	20.0

QC Flag Legend

Processing Flags

Report Date: 14-Sep-2009 09:03:46 Chrom Revision: 1.0.2009.910

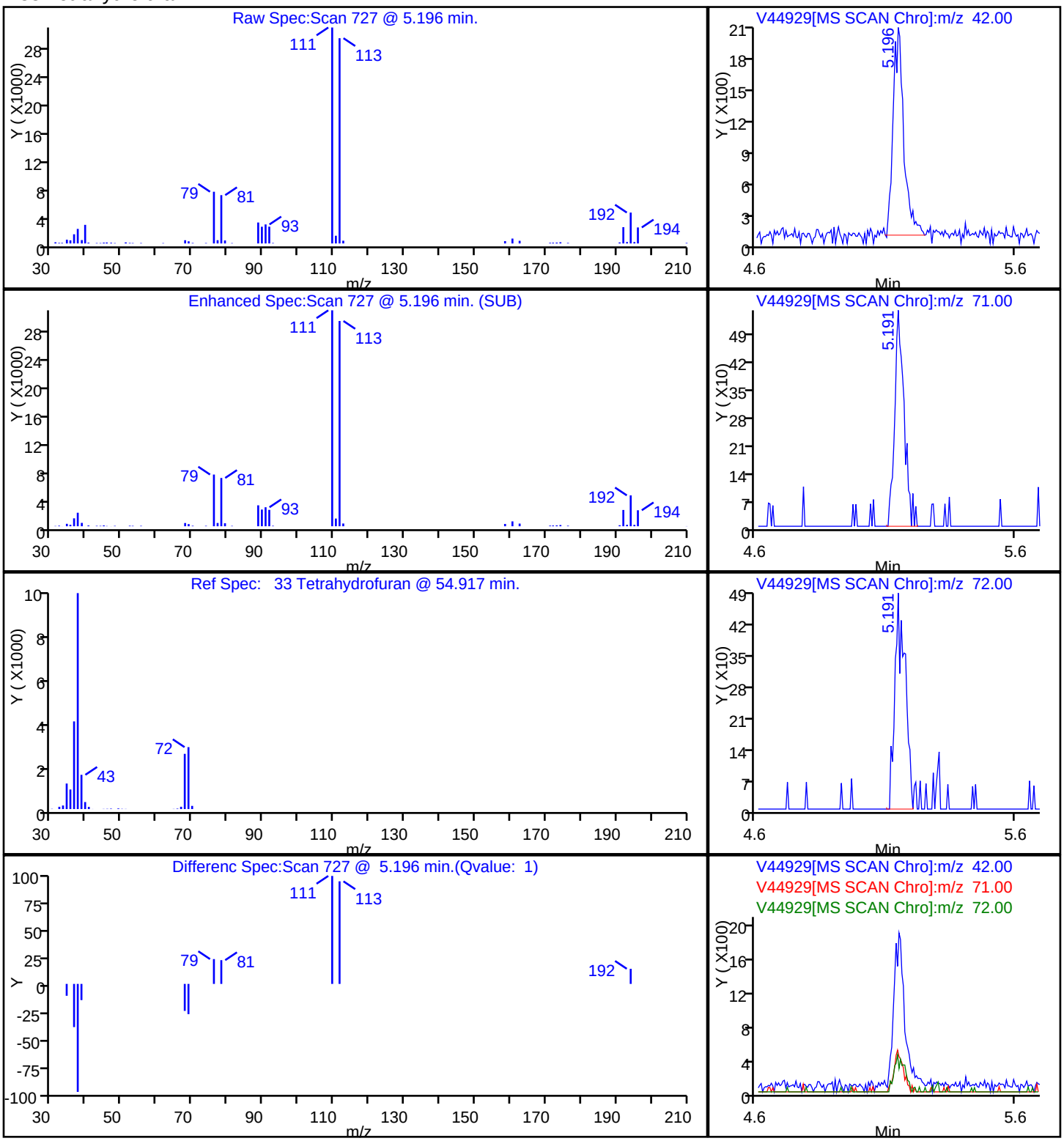
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44929.D		
Inj Date:	12-Sep-2009 15:42:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	10
Client ID:	OC-SB-463-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-D-1-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 14-Sep-2009 09:03:47 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44929.D		
Inj Date:	12-Sep-2009 15:42:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	10
Client ID:	OC-SB-463-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-D-1-A		
Sample Amount:	1.00	Operator:	CR

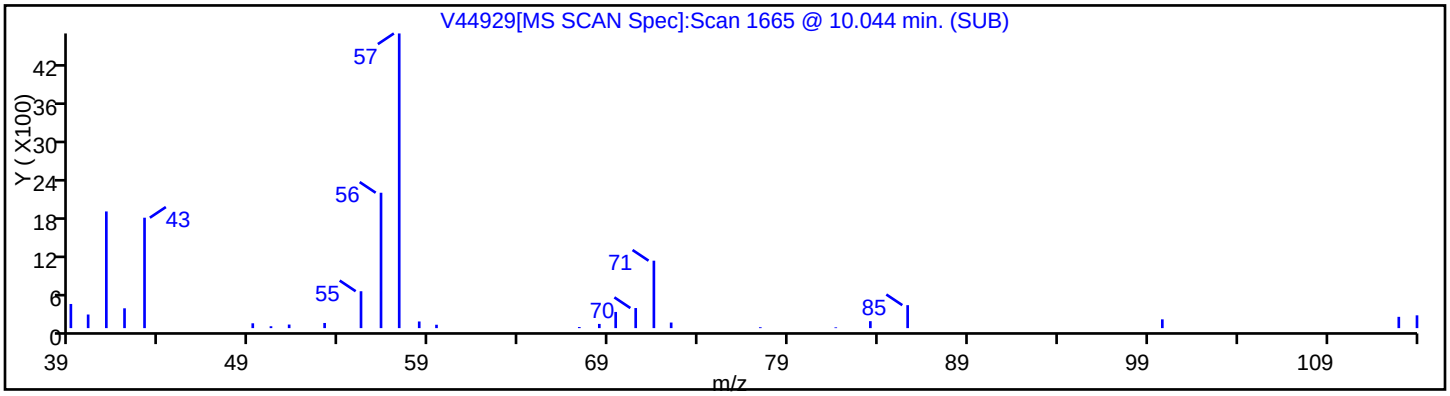
33 Tetrahydrofuran



Report Date: 14-Sep-2009 09:03:47 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44929.D		
Inj Date:	12-Sep-2009 15:42:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	10
Client ID:	OC-SB-463-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-D-1-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



Report Date: 14-Sep-2009 09:03:47 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44929.D

Inj Date: 12-Sep-2009 15:42:30 Limit Group: VMS - 8260 VOA Calibration

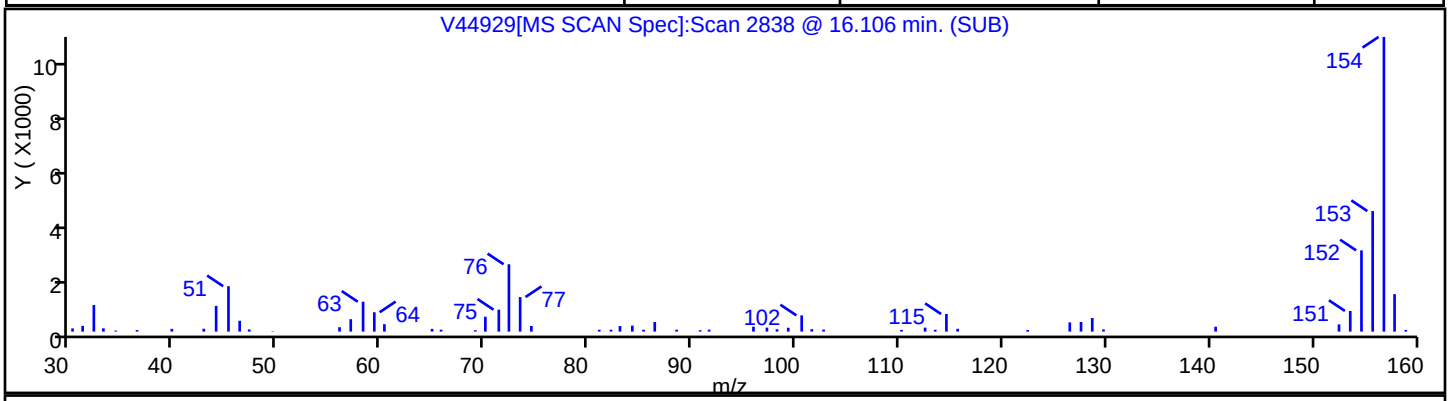
Lims Batch ID: 48878 Lims Sample ID: 10

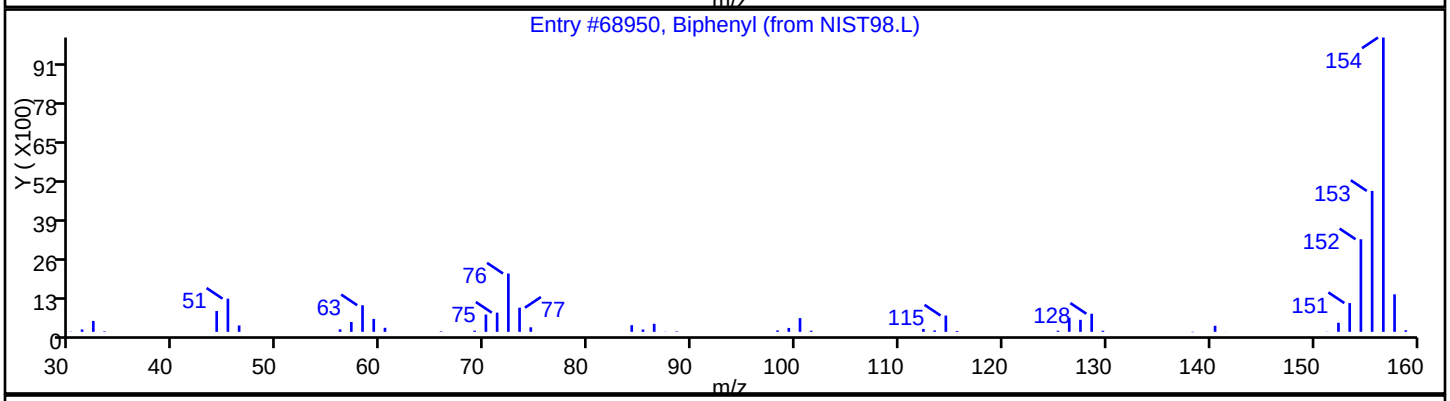
Client ID: OC-SB-463-0.0/1.0-XXX Instrument: HP #1 GC/MS

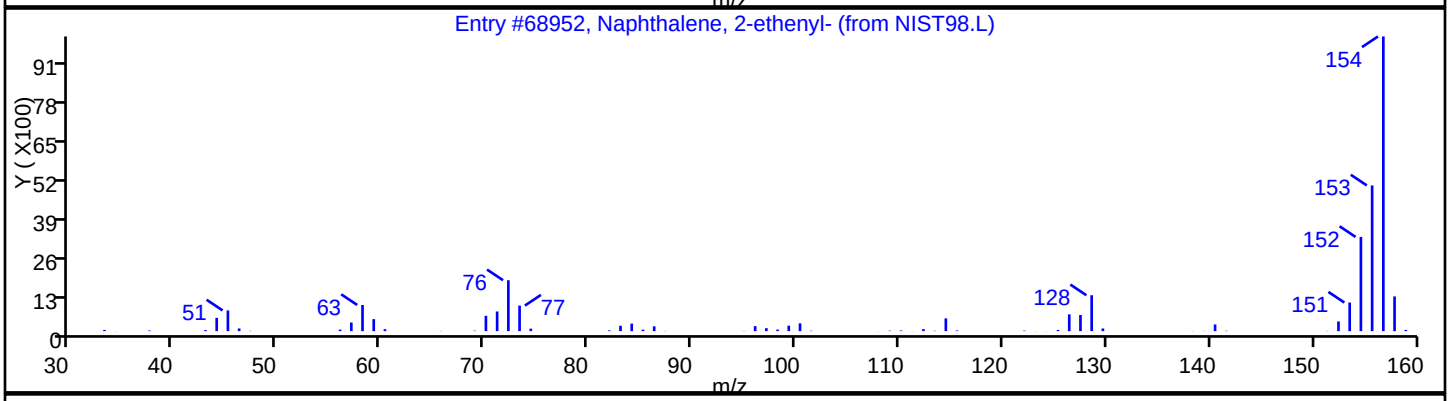
Sample Info: 360-24417-D-1-A

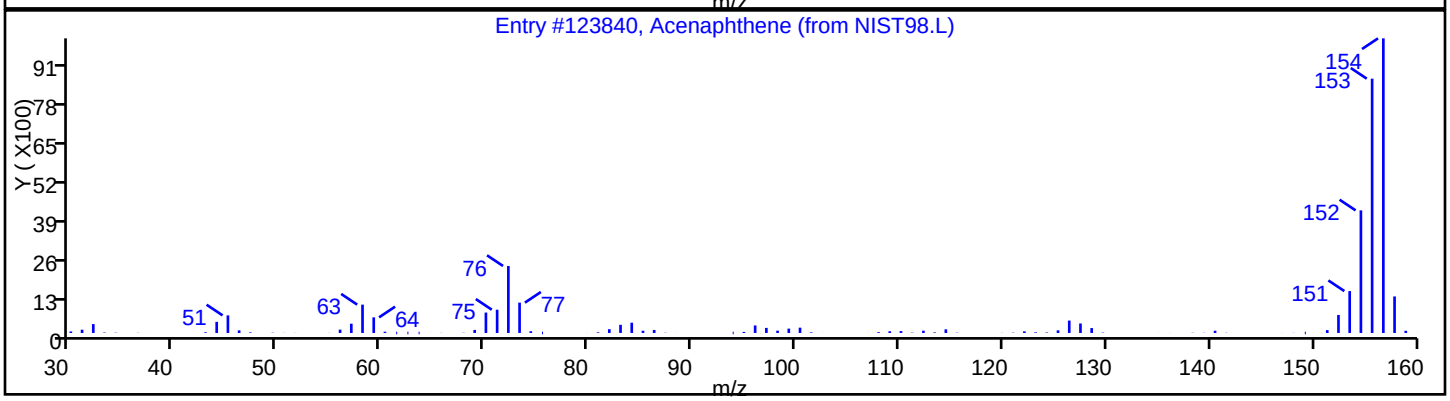
Sample Amount: 1.00 Operator: CR

Library Search Compound Match	CAS Number	Library	Entry	Quality
Biphenyl	92-52-4	NIST98.L	68950	94
Naphthalene, 2-ethenyl-	827-54-3	NIST98.L	68952	93
Acenaphthene	83-32-9	NIST98.L	123840	52









Report Date: 14-Sep-2009 09:03:47 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44929.D

Inj Date: 12-Sep-2009 15:42:30 Limit Group: VMS - 8260 VOA Calibration

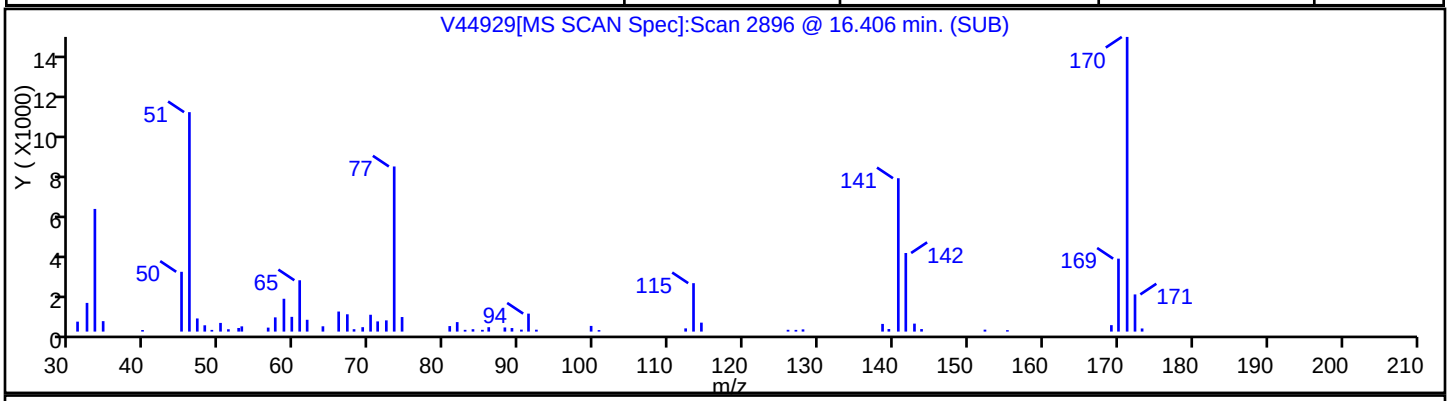
Lims Batch ID: 48878 Lims Sample ID: 10

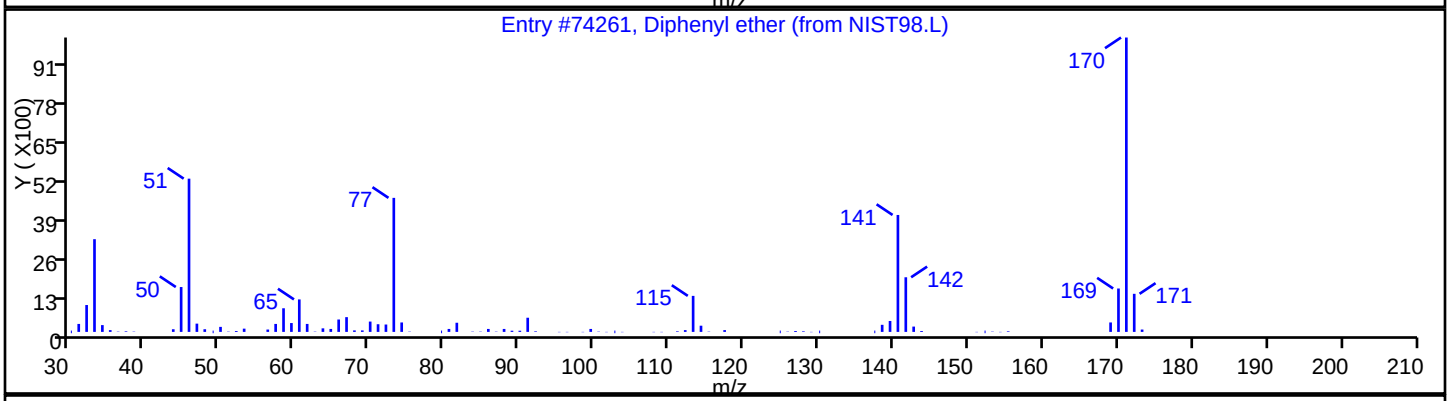
Client ID: OC-SB-463-0.0/1.0-XXX Instrument: HP #1 GC/MS

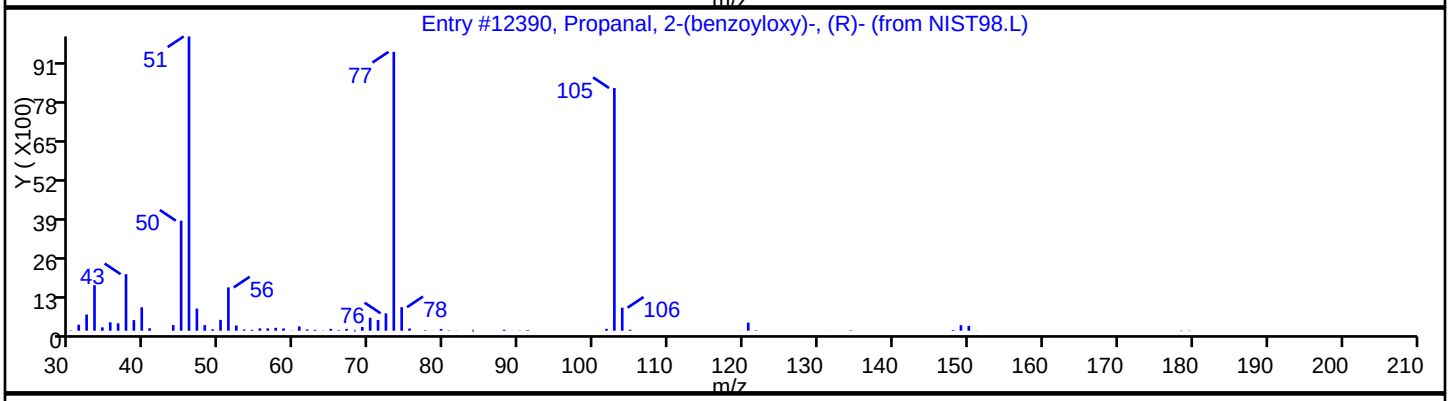
Sample Info: 360-24417-D-1-A

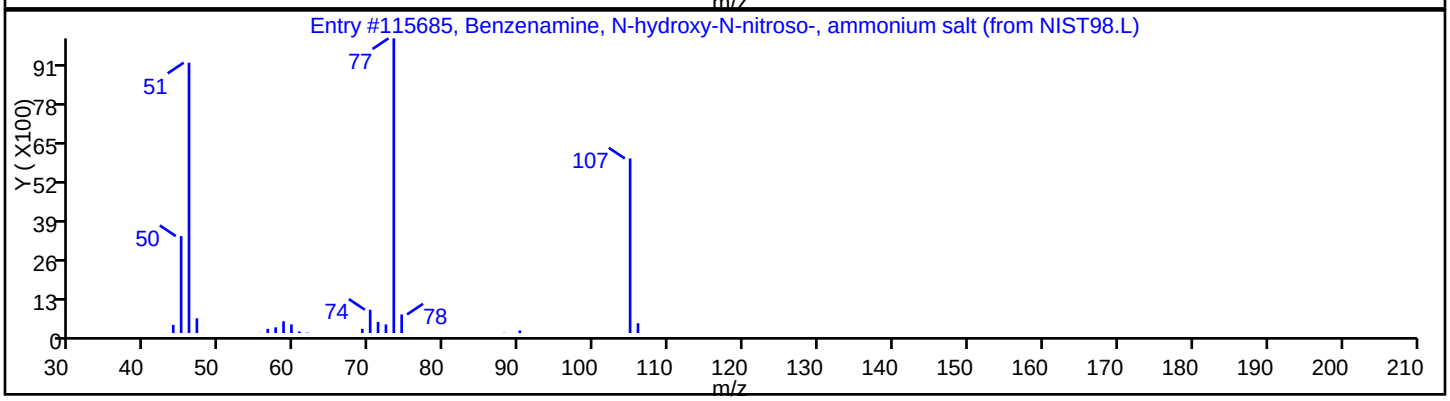
Sample Amount: 1.00 Operator: CR

Library Search Compound Match	CAS Number	Library	Entry	Quality
Diphenyl ether	101-84-8	NIST98.L	74261	93
Propanal, 2-(benzoyloxy)-, (R)-	78871-4-2	NIST98.L	12390	50
Benzenamine, N-hydroxy-N-nitroso-, ammon	135-20-6	NIST98.L	115685	50









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-6.0/8.0-XXX | Lab Sample ID: 360-24417-3

Matrix: Solid | Lab File ID: V44810.D

Analysis Method: 8260B | Date Collected: 09/01/2009 13:10

Sample wt/vol: 6.53(g) | Date Analyzed: 09/09/2009 00:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 15.9 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.3	0.91
71-55-6	1,1,1-Trichloroethane	ND		2.3	0.91
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.3	0.91
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	0.91
79-00-5	1,1,2-Trichloroethane	ND		2.3	0.91
75-34-3	1,1-Dichloroethane	ND		2.3	0.91
75-35-4	1,1-Dichloroethene	ND		2.3	0.91
563-58-6	1,1-Dichloropropene	ND		2.3	0.91
87-61-6	1,2,3-Trichlorobenzene	ND		2.3	0.91
96-18-4	1,2,3-Trichloropropane	ND		2.3	1.3
120-82-1	1,2,4-Trichlorobenzene	ND		2.3	0.91
95-63-6	1,2,4-Trimethylbenzene	ND		2.3	0.91
96-12-8	1,2-Dibromo-3-Chloropropane	ND		23	1.6
106-93-4	Ethylene Dibromide	ND		2.3	0.91
95-50-1	1,2-Dichlorobenzene	ND		2.3	0.91
107-06-2	1,2-Dichloroethane	ND		2.3	0.91
67-64-1	Acetone	ND		230	16
78-87-5	1,2-Dichloropropane	ND		2.3	0.91
108-67-8	1,3,5-Trimethylbenzene	ND		2.3	0.91
541-73-1	1,3-Dichlorobenzene	ND		2.3	0.91
142-28-9	1,3-Dichloropropane	ND		2.3	0.91
106-46-7	1,4-Dichlorobenzene	ND		2.3	0.91
123-91-1	1,4-Dioxane	ND		230	30
594-20-7	2,2-Dichloropropane	ND		2.3	0.91
107-39-1	2,4,4-Trimethyl-1-pentene	ND		4.6	0.91
107-40-4	2,4,4-Trimethyl-2-pentene	ND		4.6	0.91
95-49-8	2-Chlorotoluene	ND		2.3	0.91
591-78-6	2-Hexanone	ND		23	4.7
106-43-4	4-Chlorotoluene	ND		2.3	0.91
71-43-2	Benzene	ND		2.3	0.91
108-86-1	Bromobenzene	ND		2.3	0.91
74-97-5	Chlorobromomethane	ND		2.3	0.91
75-27-4	Dichlorobromomethane	ND		2.3	0.91
75-25-2	Bromoform	ND		2.3	0.91
74-83-9	Bromomethane	ND		4.6	0.91

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-6.0/8.0-XXX | Lab Sample ID: 360-24417-3

Matrix: Solid | Lab File ID: V44810.D

Analysis Method: 8260B | Date Collected: 09/01/2009 13:10

Sample wt/vol: 6.53(g) | Date Analyzed: 09/09/2009 00:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 15.9 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.3	0.91
75-15-0	Carbon disulfide	ND		2.3	0.91
56-23-5	Carbon tetrachloride	ND		2.3	0.91
108-90-7	Chlorobenzene	ND		2.3	0.91
75-00-3	Chloroethane	ND		4.6	0.91
67-66-3	Chloroform	ND		2.3	0.91
74-87-3	Chloromethane	ND		4.6	0.91
156-59-2	cis-1,2-Dichloroethene	ND		2.3	0.91
10061-01-5	cis-1,3-Dichloropropene	ND		2.3	0.91
110-82-7	Cyclohexane	ND		23	2.3
124-48-1	Chlorodibromomethane	ND		2.3	0.91
74-95-3	Dibromomethane	ND		2.3	0.91
75-71-8	Dichlorodifluoromethane	ND	*	4.6	0.91
60-29-7	Ethyl ether	ND		2.3	0.91
108-20-3	Isopropyl ether	ND		2.3	0.91
637-92-3	Tert-butyl ethyl ether	ND		2.3	2.3
100-41-4	Ethylbenzene	ND		2.3	0.91
87-68-3	Hexachlorobutadiene	ND		2.3	0.91
98-82-8	Isopropylbenzene	ND		2.3	0.91
79-20-9	Methyl acetate	ND		46	15
78-93-3	2-Butanone (MEK)	ND		23	6.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		23	4.7
1634-04-4	Methyl tert-butyl ether	ND		2.3	0.91
108-87-2	Methylcyclohexane	ND		2.3	0.91
75-09-2	Methylene Chloride	ND		9.1	4.4
136777-61-2	m-Xylene & p-Xylene	ND		4.6	0.91
91-20-3	Naphthalene	ND		23	0.91
103-65-1	N-Propylbenzene	ND		2.3	0.91
95-47-6	o-Xylene	ND		2.3	0.91
99-87-6	4-Isopropyltoluene	ND		2.3	0.91
135-98-8	sec-Butylbenzene	ND		2.3	0.91
100-42-5	Styrene	ND		2.3	0.91
994-05-8	Tert-amyl methyl ether	ND		2.3	0.91
98-06-6	tert-Butylbenzene	ND		2.3	0.91
127-18-4	Tetrachloroethene	ND		2.3	0.91
109-99-9	Tetrahydrofuran	ND		23	5.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-6.0/8.0-XXX | Lab Sample ID: 360-24417-3

Matrix: Solid | Lab File ID: V44810.D

Analysis Method: 8260B | Date Collected: 09/01/2009 13:10

Sample wt/vol: 6.53(g) | Date Analyzed: 09/09/2009 00:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 15.9 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.3	0.91
156-60-5	trans-1,2-Dichloroethene	ND		2.3	0.91
10061-02-6	trans-1,3-Dichloropropene	ND		2.3	0.91
79-01-6	Trichloroethene	ND		2.3	0.91
75-69-4	Trichlorofluoromethane	ND		4.6	0.91
75-01-4	Vinyl chloride	ND		2.3	0.91

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	105	70-130	
1868-53-7	Dibromofluoromethane	104	70-130	
2037-26-5	Toluene-d8 (Surr)	98	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-6.0/8.0-XXX Lab Sample ID: 360-24417-3

Matrix: Solid Lab File ID: V44810.D

Analysis Method: 8260B Date Collected: 09/01/2009 13:10

Sample wt/vol: 6.53(g) Date Analyzed: 09/09/2009 00:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 15.9 Level: (low/med) Low

Analysis Batch No.: 48711 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 2.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.04	2.5	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44810.D		
Lims ID:	360-24417-C-3-A	Client ID:	OC-SB-463-6.0/8.0-XXX
Inject. Date:	09-Sep-2009 00:52:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-3-A		
Misc. Info.:	360-0001108-014		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	48711	Lims Sample ID:	14
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:53:20	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 11:00:53

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.639				1
2 Chloromethane	50		1.819				479
3 Vinyl chloride	62		1.922				79
4 Bromomethane	94		2.269				479
5 Chloroethane	64		2.403				1
6 Trichlorofluoromethane	101		2.553				1
7 Ethyl ether	59		2.868				1
8 1,1-Dichloroethene	96		3.065				1
10 Carbon disulfide	76		3.080				1
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.132				1
14 Methylene Chloride	84		3.628				7
15 Acetone	43		3.685				7
16 trans-1,2-Dichloroethene	61		3.778				1
17 Methyl acetate	43		3.804				1
19 Methyl tert-butyl ether	73		3.886				1
21 Isopropyl ether	45		4.227				1
22 1,1-Dichloroethane	63		4.341				1
24 Tert-butyl ethyl ether	59		4.553				1
26 cis-1,2-Dichloroethene	61		4.811				1
27 2,2-Dichloropropane	77		4.910				1
28 Cyclohexane	56		4.977				1
29 Chlorobromomethane	130		4.982				1
30 Chloroform	83		5.044				1
32 Carbon tetrachloride	117		5.163				1
33 Tetrahydrofuran	42		5.178				
$ 35 Dibromofluoromethane	113	5.195	5.204	-0.009	113215	20.8	
36 1,1,1-Trichloroethane	97		5.225				1
37 2-Butanone (MEK)	43		5.318				1
38 1,1-Dichloropropene	75		5.328				1
40 Benzene	78		5.540				479
41 Tert-amyl methyl ether	73		5.633				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.650	5.659	-0.009	20702	20.0	
43 1,2-Dichloroethane	62		5.711				479
* 44 Fluorobenzene	96	5.877	5.886	-0.009	467196	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.907				
47 Methylcyclohexane	83		6.010				1
48 Trichloroethene	95		6.015				1
49 2,4,4-Trimethyl-2-pentene	112		6.046				
50 Dibromomethane	93		6.362				1
51 1,2-Dichloropropane	63		6.444				1
52 Dichlorobromomethane	83		6.486				1
54 1,4-Dioxane	88		6.651				1
57 cis-1,3-Dichloropropene	75		6.987				1
$ 58 Toluene-d8 (Surr)	98	7.123	7.132	-0.009	407620	19.7	
59 Toluene	92		7.173				1
60 Tetrachloroethene	164		7.462				1
61 4-Methyl-2-pentanone (MIBK)	43		7.462				1
62 trans-1,3-Dichloropropene	75		7.488				1
64 1,1,2-Trichloroethane	83		7.617				1
65 Chlorodibromomethane	129		7.752				1
66 1,3-Dichloropropane	76		7.829				1
67 Ethylene Dibromide	107		7.943				1
69 2-Hexanone	43		8.103				1
* 70 Chlorobenzene-d5	117	8.322	8.325	-0.003	276537	20.0	
71 Chlorobenzene	112		8.341				1
72 Ethylbenzene	91		8.356				1
73 1,1,1,2-Tetrachloroethane	131		8.387				1
74 m-Xylene & p-Xylene	91		8.465				1
75 o-Xylene	91		8.796				1
76 Styrene	104		8.837				1
77 Bromoform	173		8.863				1
78 Isopropylbenzene	105		9.039				1
$ 80 4-Bromofluorobenzene	95	9.252	9.261	-0.009	166853	21.1	
81 Bromobenzene	77		9.349				1
82 N-Propylbenzene	91		9.359				1
83 1,1,2,2-Tetrachloroethane	83		9.411				1
84 2-Chlorotoluene	91		9.483				79
85 1,3,5-Trimethylbenzene	105		9.509				1
86 1,2,3-Trichloropropane	110		9.524				1
88 4-Chlorotoluene	91		9.617				1
89 tert-Butylbenzene	119		9.762				1
90 1,2,4-Trimethylbenzene	105		9.814				1
91 sec-Butylbenzene	105		9.897				1
92 4-Isopropyltoluene	119		10.010				1
93 1,3-Dichlorobenzene	146		10.077				479
* 94 1,4-Dichlorobenzene-d4	152	10.131	10.134	-0.003	137196	20.0	
95 1,4-Dichlorobenzene	146		10.150				479
96 n-Butylbenzene	91		10.351				1
97 1,2-Dichlorobenzene	146		10.506				1
98 1,2-Dibromo-3-Chloropropane	157		11.287				1
100 Hexachlorobutadiene	225		12.036				1
101 1,2,4-Trichlorobenzene	180		12.083				1
102 Naphthalene	128		12.553				1

Report Date: 09-Sep-2009 11:00:53 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44810.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.827				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44810.D		
Lims ID:	360-24417-C-3-A	Client ID:	OC-SB-463-6.0/8.0-XXX
Inject. Date:	09-Sep-2009 00:52:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-3-A		
Misc. Info.:	360-0001108-014		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	48711	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:53:20	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	09-Sep-2009 11:00:53

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.037	29214	0.5532	94			

Quantitation Compounds

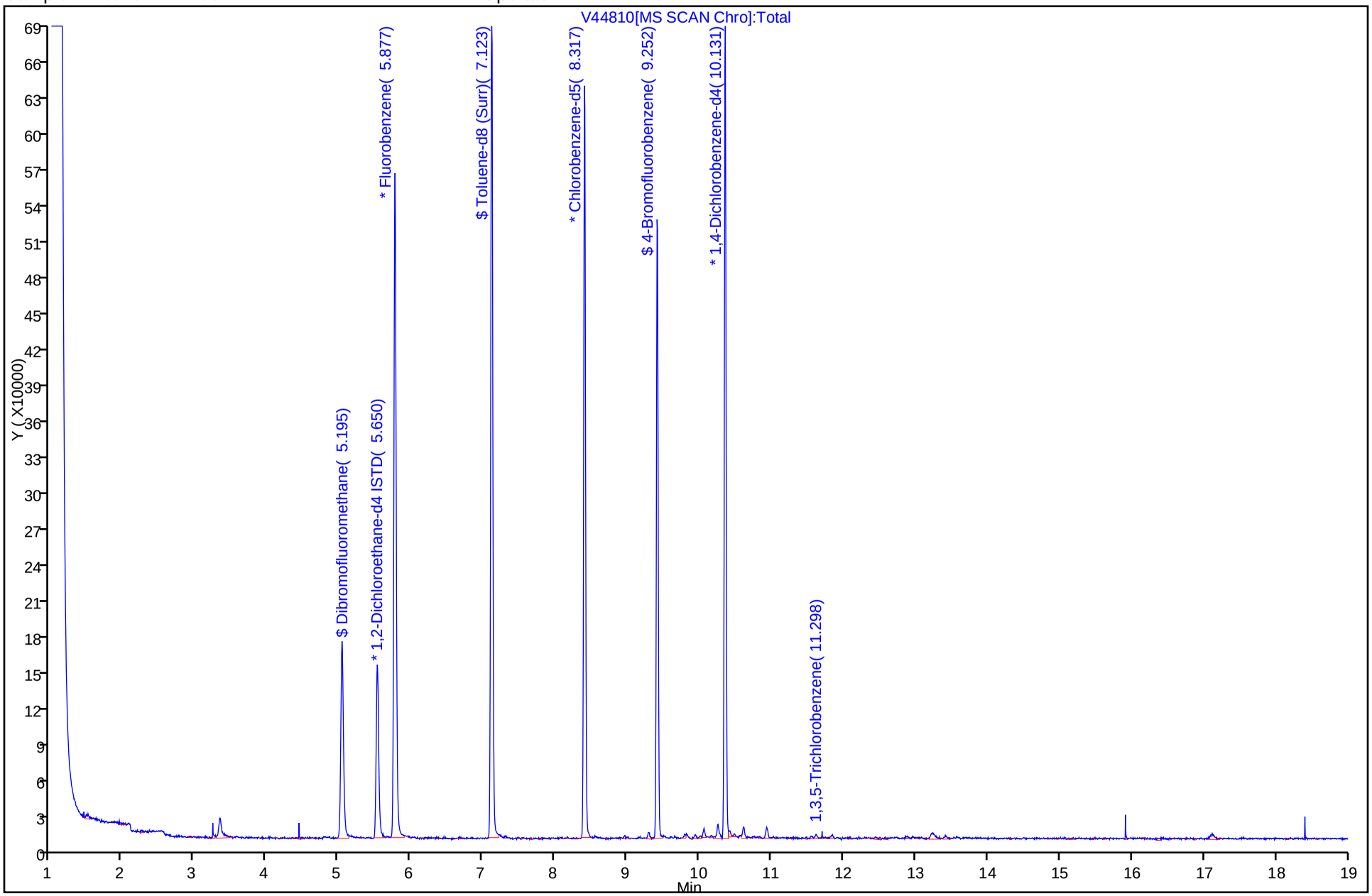
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.131	1056119	20.0

QC Flag Legend

Processing Flags

Report Date: 09-Sep-2009 11:00:53 Chrom Revision: 1.0.2009.827

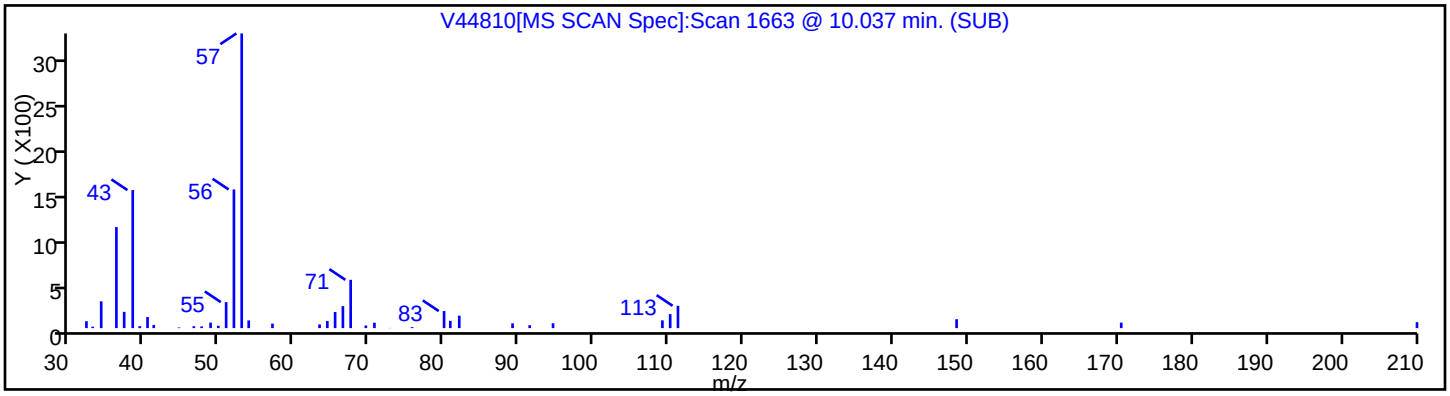
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44810.D		
Inj Date:	09-Sep-2009 00:52:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48711	Lims Sample ID:	14
Client ID:	OC-SB-463-6.0/8.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-3-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 09-Sep-2009 11:00:53 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44810.D		
Inj Date:	09-Sep-2009 00:52:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48711	Lims Sample ID:	14
Client ID:	OC-SB-463-6.0/8.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-3-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-0.0/1.0-XXX | Lab Sample ID: 360-24417-4

Matrix: Solid | Lab File ID: V44930.D

Analysis Method: 8260B | Date Collected: 09/01/2009 15:50

Sample wt/vol: 5.06(g) | Date Analyzed: 09/12/2009 16:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 5.9 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.6	1.0
71-55-6	1,1,1-Trichloroethane	ND		2.6	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.6	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.6	1.0
75-34-3	1,1-Dichloroethane	ND		2.6	1.0
75-35-4	1,1-Dichloroethene	ND		2.6	1.0
563-58-6	1,1-Dichloropropene	ND		2.6	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.6	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.6	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.6	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.6	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		26	1.9
106-93-4	Ethylene Dibromide	ND		2.6	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.6	1.0
107-06-2	1,2-Dichloroethane	ND		2.6	1.0
67-64-1	Acetone	ND		260	19
78-87-5	1,2-Dichloropropane	ND		2.6	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.6	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.6	1.0
142-28-9	1,3-Dichloropropane	ND		2.6	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.6	1.0
123-91-1	1,4-Dioxane	ND		260	35
594-20-7	2,2-Dichloropropane	ND		2.6	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.2	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.2	1.0
95-49-8	2-Chlorotoluene	ND		2.6	1.0
591-78-6	2-Hexanone	ND		26	5.4
106-43-4	4-Chlorotoluene	ND		2.6	1.0
71-43-2	Benzene	ND		2.6	1.0
108-86-1	Bromobenzene	ND		2.6	1.0
74-97-5	Chlorobromomethane	ND		2.6	1.0
75-27-4	Dichlorobromomethane	ND		2.6	1.0
75-25-2	Bromoform	ND		2.6	1.0
74-83-9	Bromomethane	ND		5.2	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-0.0/1.0-XXX | Lab Sample ID: 360-24417-4

Matrix: Solid | Lab File ID: V44930.D

Analysis Method: 8260B | Date Collected: 09/01/2009 15:50

Sample wt/vol: 5.06(g) | Date Analyzed: 09/12/2009 16:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 5.9 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.6	1.0
75-15-0	Carbon disulfide	ND		2.6	1.0
56-23-5	Carbon tetrachloride	ND		2.6	1.0
108-90-7	Chlorobenzene	ND		2.6	1.0
75-00-3	Chloroethane	ND		5.2	1.0
67-66-3	Chloroform	ND		2.6	1.0
74-87-3	Chloromethane	ND		5.2	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.6	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.6	1.0
110-82-7	Cyclohexane	ND		26	2.7
124-48-1	Chlorodibromomethane	ND		2.6	1.0
74-95-3	Dibromomethane	ND		2.6	1.0
75-71-8	Dichlorodifluoromethane	ND	*	5.2	1.0
60-29-7	Ethyl ether	ND		2.6	1.0
108-20-3	Isopropyl ether	ND		2.6	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.6	2.6
100-41-4	Ethylbenzene	ND		2.6	1.0
87-68-3	Hexachlorobutadiene	ND		2.6	1.0
98-82-8	Isopropylbenzene	ND		2.6	1.0
79-20-9	Methyl acetate	ND		52	17
78-93-3	2-Butanone (MEK)	ND		26	7.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	5.4
1634-04-4	Methyl tert-butyl ether	ND		2.6	1.0
108-87-2	Methylcyclohexane	ND		2.6	1.0
75-09-2	Methylene Chloride	ND		10	5.1
136777-61-2	m-Xylene & p-Xylene	ND		5.2	1.0
91-20-3	Naphthalene	ND		26	1.0
103-65-1	N-Propylbenzene	ND		2.6	1.0
95-47-6	o-Xylene	ND		2.6	1.0
99-87-6	4-Isopropyltoluene	ND		2.6	1.0
135-98-8	sec-Butylbenzene	ND		2.6	1.0
100-42-5	Styrene	ND		2.6	1.0
994-05-8	Tert-amyl methyl ether	ND		2.6	1.0
98-06-6	tert-Butylbenzene	ND		2.6	1.0
127-18-4	Tetrachloroethene	ND		2.6	1.0
109-99-9	Tetrahydrofuran	10	J	26	5.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-0.0/1.0-XXX | Lab Sample ID: 360-24417-4

Matrix: Solid | Lab File ID: V44930.D

Analysis Method: 8260B | Date Collected: 09/01/2009 15:50

Sample wt/vol: 5.06(g) | Date Analyzed: 09/12/2009 16:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 5.9 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.6	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.6	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.6	1.0
79-01-6	Trichloroethene	ND		2.6	1.0
75-69-4	Trichlorofluoromethane	ND		5.2	1.0
75-01-4	Vinyl chloride	ND		2.6	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	101	70-130	
1868-53-7	Dibromofluoromethane	102	70-130	
2037-26-5	Toluene-d8 (Surr)	100	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-0.0/1.0-XXX Lab Sample ID: 360-24417-4

Matrix: Solid Lab File ID: V44930.D

Analysis Method: 8260B Date Collected: 09/01/2009 15:50

Sample wt/vol: 5.06(g) Date Analyzed: 09/12/2009 16:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 5.9 Level: (low/med) Low

Analysis Batch No.: 48878 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 8.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	16.41	8.6	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44930.D		
Lims ID:	360-24417-C-4-A	Client ID:	OC-SB-464-0.0/1.0-XXX
Inject. Date:	12-Sep-2009 16:06:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-4-A		
Misc. Info.:	360-0001152-011		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	48878	Lims Sample ID:	11
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 09:03:04	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	14-Sep-2009 09:04:28

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.640				1
2 Chloromethane	50		1.821				1
3 Vinyl chloride	62		1.919				1
4 Bromomethane	94		2.276				1
5 Chloroethane	64		2.405				1
6 Trichlorofluoromethane	101		2.549				1
7 Ethyl ether	59		2.875				1
8 1,1-Dichloroethene	96		3.066				1
10 Carbon disulfide	76		3.082				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.133				1
14 Methylene Chloride	84		3.635				7
15 Acetone	43	3.690	3.692	-0.002	5348	0.1464	
16 trans-1,2-Dichloroethene	61		3.785				1
17 Methyl acetate	43		3.810				1
19 Methyl tert-butyl ether	73		3.893				1
21 Isopropyl ether	45		4.234				1
22 1,1-Dichloroethane	63		4.348				1
24 Tert-butyl ethyl ether	59		4.560				1
26 cis-1,2-Dichloroethene	61		4.818				1
27 2,2-Dichloropropane	77		4.916				1
28 Cyclohexane	56		4.983				1
29 Chlorobromomethane	130		4.989				1
30 Chloroform	83		5.056				1
32 Carbon tetrachloride	117		5.170				1
33 Tetrahydrofuran	42	5.194	5.190	0.004	5907	1.94	
$ 35 Dibromofluoromethane	113	5.209	5.211	-0.002	101072	20.5	
36 1,1,1-Trichloroethane	97		5.232				1
37 2-Butanone (MEK)	43		5.325				1
38 1,1-Dichloropropene	75		5.335				1
40 Benzene	78		5.547				479
41 Tert-amyl methyl ether	73		5.640				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.664	5.666	-0.002	18256	20.0	
43 1,2-Dichloroethane	62		5.722				479
* 44 Fluorobenzene	96	5.886	5.893	-0.007	423829	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.914				
47 Methylcyclohexane	83		6.017				1
48 Trichloroethene	95		6.022				1
49 2,4,4-Trimethyl-2-pentene	112		6.048				1
50 Dibromomethane	93		6.368				1
51 1,2-Dichloropropane	63		6.451				1
52 Dichlorobromomethane	83		6.493				1
54 1,4-Dioxane	88		6.653				1
57 cis-1,3-Dichloropropene	75		6.994				1
$ 58 Toluene-d8 (Surr)	98	7.132	7.138	-0.006	377511	20.1	
59 Toluene	92		7.175				1
60 Tetrachloroethene	164		7.469				1
61 4-Methyl-2-pentanone (MIBK)	43		7.469				1
62 trans-1,3-Dichloropropene	75		7.495				1
64 1,1,2-Trichloroethane	83		7.619				1
65 Chlorodibromomethane	129		7.759				1
66 1,3-Dichloropropane	76		7.831				1
67 Ethylene Dibromide	107		7.945				1
69 2-Hexanone	43		8.105				1
* 70 Chlorobenzene-d5	117	8.325	8.332	-0.007	250528	20.0	
71 Chlorobenzene	112		8.343				1
72 Ethylbenzene	91		8.358				1
73 1,1,1,2-Tetrachloroethane	131		8.389				1
74 m-Xylene & p-Xylene	91		8.467				1
75 o-Xylene	91		8.803				1
76 Styrene	104		8.839				1
77 Bromoform	173		8.865				1
78 Isopropylbenzene	105		9.040				1
$ 80 4-Bromofluorobenzene	95	9.261	9.262	-0.001	144945	20.2	
81 Bromobenzene	77		9.350				1
82 N-Propylbenzene	91		9.361				1
83 1,1,2,2-Tetrachloroethane	83		9.412				1
84 2-Chlorotoluene	91		9.485				1
85 1,3,5-Trimethylbenzene	105		9.511				1
86 1,2,3-Trichloropropane	110		9.526				1
88 4-Chlorotoluene	91		9.614				1
89 tert-Butylbenzene	119		9.759				1
90 1,2,4-Trimethylbenzene	105		9.815				1
91 sec-Butylbenzene	105		9.898				1
92 4-Isopropyltoluene	119		10.007				1
93 1,3-Dichlorobenzene	146		10.079				1
* 94 1,4-Dichlorobenzene-d4	152	10.134	10.136	-0.002	120053	20.0	
95 1,4-Dichlorobenzene	146		10.146				1
96 n-Butylbenzene	91		10.353				1
97 1,2-Dichlorobenzene	146		10.508				1
98 1,2-Dibromo-3-Chloropropane	157		11.278				1
100 Hexachlorobutadiene	225		12.032				1
101 1,2,4-Trichlorobenzene	180		12.084				1
102 Naphthalene	128		12.549				1

Report Date: 14-Sep-2009 09:04:28 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44930.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.823				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44930.D		
Lims ID:	360-24417-C-4-A	Client ID:	OC-SB-464-0.0/1.0-XXX
Inject. Date:	12-Sep-2009 16:06:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-4-A		
Misc. Info.:	360-0001152-011		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	48878	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 09:03:04	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	14-Sep-2009 09:04:28

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
16.408	76266	1.64	94			

Quantitation Compounds

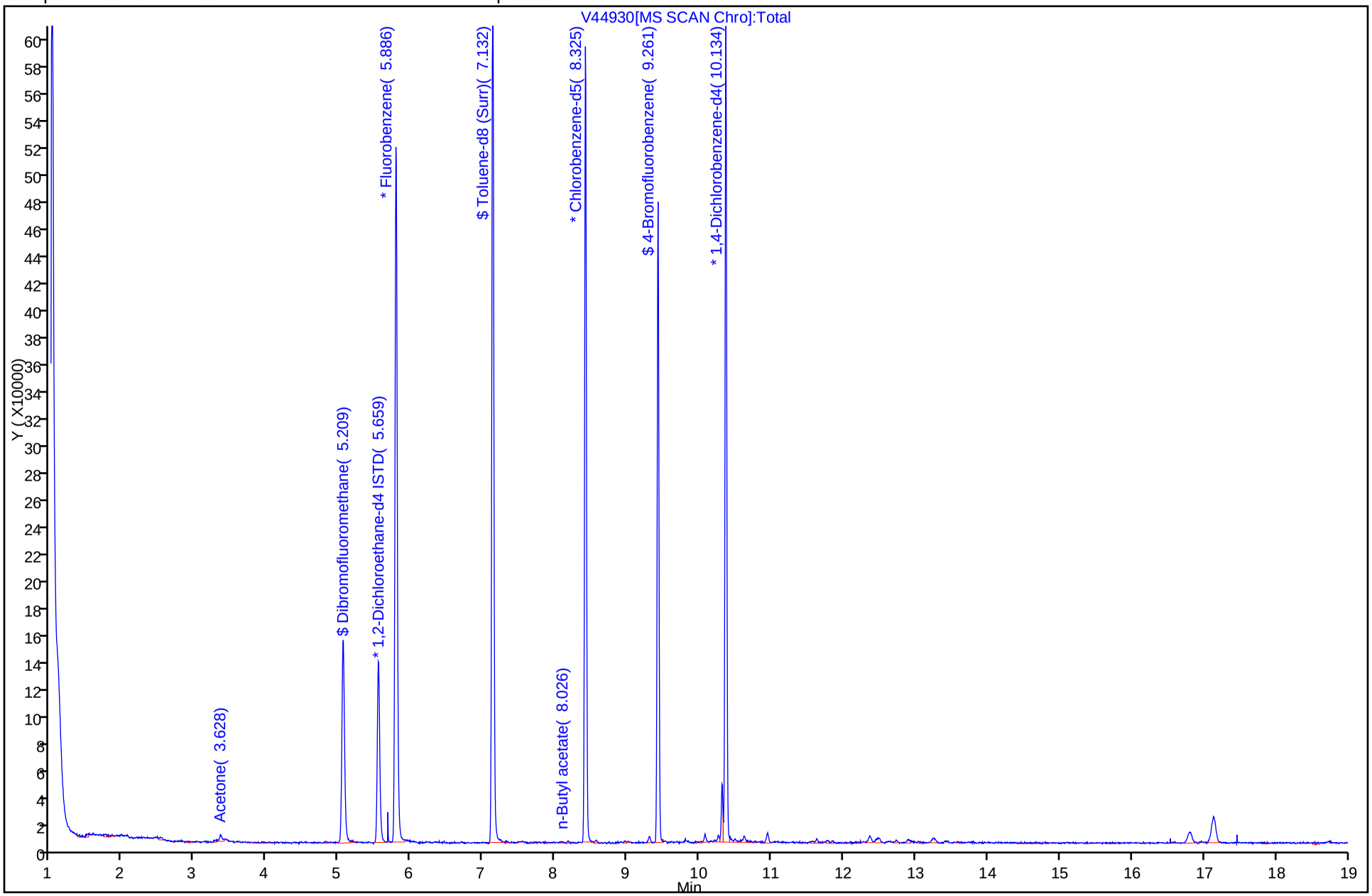
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.134	930815	20.0

QC Flag Legend

Processing Flags

Report Date: 14-Sep-2009 09:04:28 Chrom Revision: 1.0.2009.910

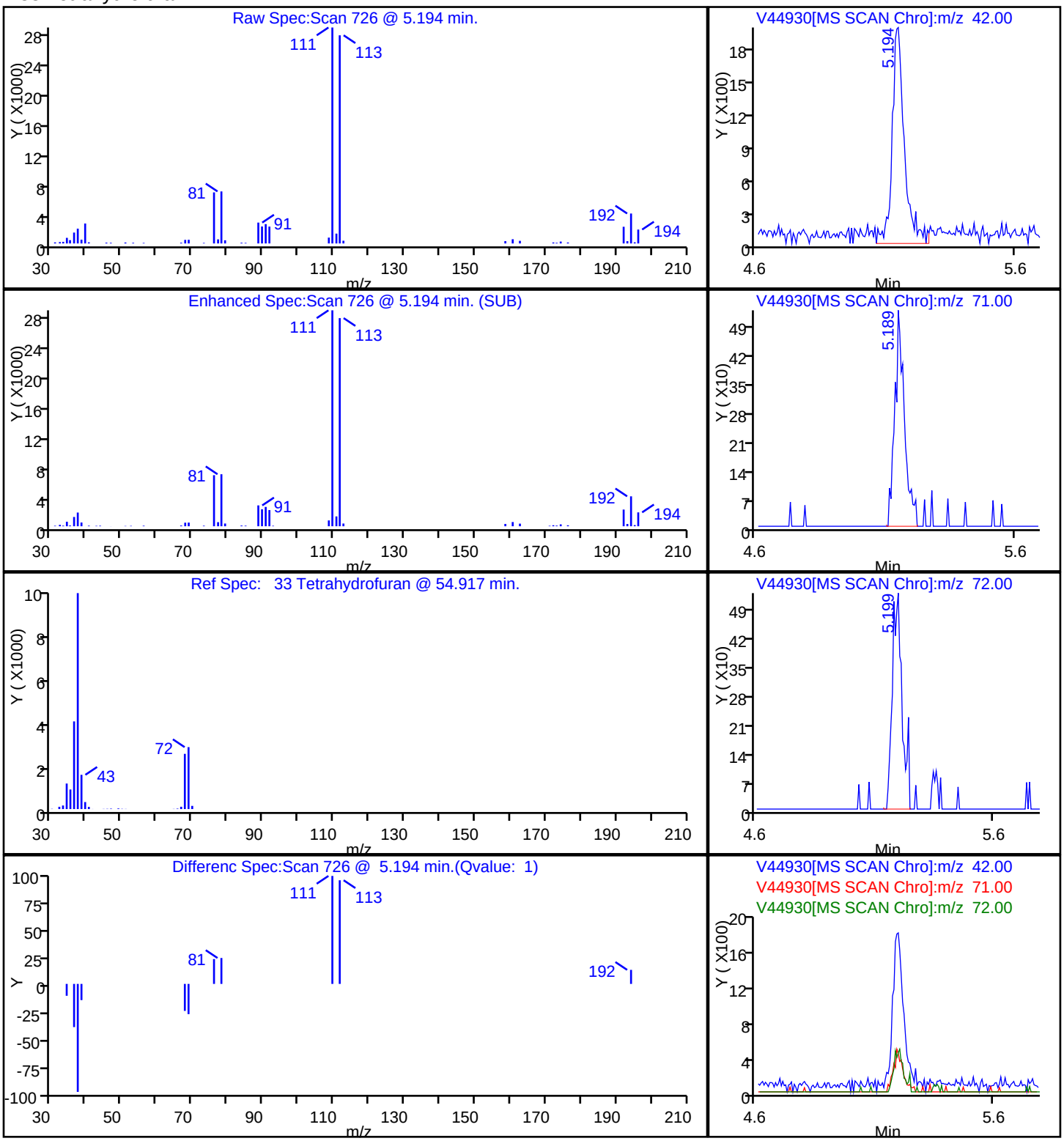
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44930.D		
Inj Date:	12-Sep-2009 16:06:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	11
Client ID:	OC-SB-464-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-4-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 14-Sep-2009 09:04:28 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44930.D		
Inj Date:	12-Sep-2009 16:06:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	11
Client ID:	OC-SB-464-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-4-A		
Sample Amount:	1.00	Operator:	CR

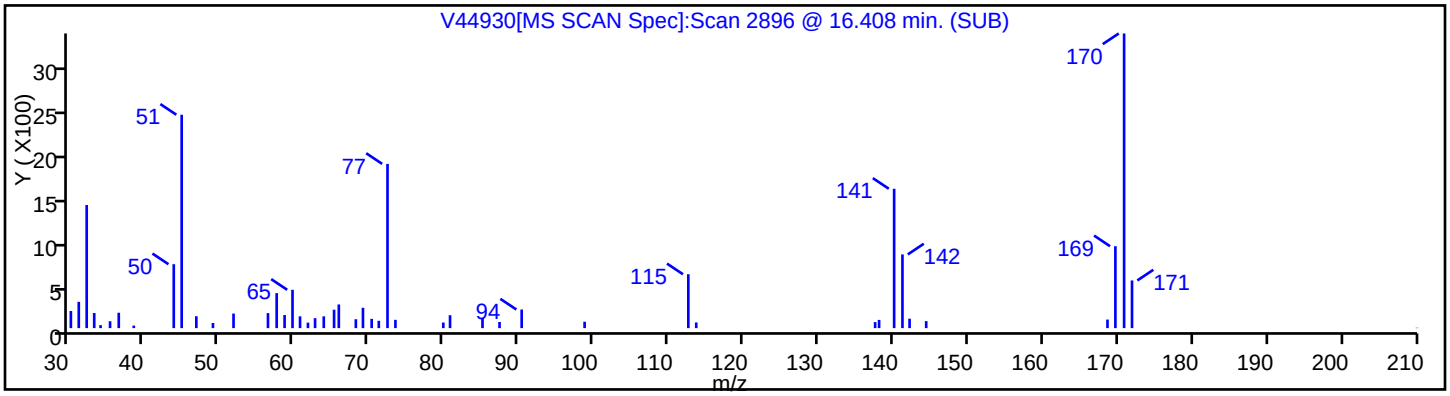
33 Tetrahydrofuran



Report Date: 14-Sep-2009 09:04:28 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44930.D		
Inj Date:	12-Sep-2009 16:06:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	11
Client ID:	OC-SB-464-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-4-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-5.0/7.0-XXX | Lab Sample ID: 360-24417-6

Matrix: Solid | Lab File ID: V44811.D

Analysis Method: 8260B | Date Collected: 09/01/2009 16:50

Sample wt/vol: 6.02(g) | Date Analyzed: 09/09/2009 01:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 12.2 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.4	0.95
71-55-6	1,1,1-Trichloroethane	ND		2.4	0.95
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.4	0.95
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	0.95
79-00-5	1,1,2-Trichloroethane	ND		2.4	0.95
75-34-3	1,1-Dichloroethane	ND		2.4	0.95
75-35-4	1,1-Dichloroethene	ND		2.4	0.95
563-58-6	1,1-Dichloropropene	ND		2.4	0.95
87-61-6	1,2,3-Trichlorobenzene	ND		2.4	0.95
96-18-4	1,2,3-Trichloropropane	ND		2.4	1.4
120-82-1	1,2,4-Trichlorobenzene	ND		2.4	0.95
95-63-6	1,2,4-Trimethylbenzene	ND		2.4	0.95
96-12-8	1,2-Dibromo-3-Chloropropane	ND		24	1.7
106-93-4	Ethylene Dibromide	ND		2.4	0.95
95-50-1	1,2-Dichlorobenzene	ND		2.4	0.95
107-06-2	1,2-Dichloroethane	ND		2.4	0.95
67-64-1	Acetone	ND		240	17
78-87-5	1,2-Dichloropropane	ND		2.4	0.95
108-67-8	1,3,5-Trimethylbenzene	ND		2.4	0.95
541-73-1	1,3-Dichlorobenzene	ND		2.4	0.95
142-28-9	1,3-Dichloropropane	ND		2.4	0.95
106-46-7	1,4-Dichlorobenzene	ND		2.4	0.95
123-91-1	1,4-Dioxane	ND		240	31
594-20-7	2,2-Dichloropropane	ND		2.4	0.95
107-39-1	2,4,4-Trimethyl-1-pentene	ND		4.7	0.95
107-40-4	2,4,4-Trimethyl-2-pentene	ND		4.7	0.95
95-49-8	2-Chlorotoluene	ND		2.4	0.95
591-78-6	2-Hexanone	ND		24	4.9
106-43-4	4-Chlorotoluene	ND		2.4	0.95
71-43-2	Benzene	ND		2.4	0.95
108-86-1	Bromobenzene	ND		2.4	0.95
74-97-5	Chlorobromomethane	ND		2.4	0.95
75-27-4	Dichlorobromomethane	ND		2.4	0.95
75-25-2	Bromoform	ND		2.4	0.95
74-83-9	Bromomethane	ND		4.7	0.95

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-5.0/7.0-XXX | Lab Sample ID: 360-24417-6

Matrix: Solid | Lab File ID: V44811.D

Analysis Method: 8260B | Date Collected: 09/01/2009 16:50

Sample wt/vol: 6.02(g) | Date Analyzed: 09/09/2009 01:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 12.2 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.4	0.95
75-15-0	Carbon disulfide	ND		2.4	0.95
56-23-5	Carbon tetrachloride	ND		2.4	0.95
108-90-7	Chlorobenzene	ND		2.4	0.95
75-00-3	Chloroethane	ND		4.7	0.95
67-66-3	Chloroform	ND		2.4	0.95
74-87-3	Chloromethane	ND		4.7	0.95
156-59-2	cis-1,2-Dichloroethene	ND		2.4	0.95
10061-01-5	cis-1,3-Dichloropropene	ND		2.4	0.95
110-82-7	Cyclohexane	ND		24	2.4
124-48-1	Chlorodibromomethane	ND		2.4	0.95
74-95-3	Dibromomethane	ND		2.4	0.95
75-71-8	Dichlorodifluoromethane	ND	*	4.7	0.95
60-29-7	Ethyl ether	ND		2.4	0.95
108-20-3	Isopropyl ether	ND		2.4	0.95
637-92-3	Tert-butyl ethyl ether	ND		2.4	2.4
100-41-4	Ethylbenzene	ND		2.4	0.95
87-68-3	Hexachlorobutadiene	ND		2.4	0.95
98-82-8	Isopropylbenzene	ND		2.4	0.95
79-20-9	Methyl acetate	ND		47	15
78-93-3	2-Butanone (MEK)	ND		24	6.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		24	4.9
1634-04-4	Methyl tert-butyl ether	ND		2.4	0.95
108-87-2	Methylcyclohexane	ND		2.4	0.95
75-09-2	Methylene Chloride	ND		9.5	4.6
136777-61-2	m-Xylene & p-Xylene	ND		4.7	0.95
91-20-3	Naphthalene	ND		24	0.95
103-65-1	N-Propylbenzene	ND		2.4	0.95
95-47-6	o-Xylene	ND		2.4	0.95
99-87-6	4-Isopropyltoluene	ND		2.4	0.95
135-98-8	sec-Butylbenzene	ND		2.4	0.95
100-42-5	Styrene	ND		2.4	0.95
994-05-8	Tert-amyl methyl ether	ND		2.4	0.95
98-06-6	tert-Butylbenzene	ND		2.4	0.95
127-18-4	Tetrachloroethene	ND		2.4	0.95
109-99-9	Tetrahydrofuran	ND		24	5.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-5.0/7.0-XXX | Lab Sample ID: 360-24417-6

Matrix: Solid | Lab File ID: V44811.D

Analysis Method: 8260B | Date Collected: 09/01/2009 16:50

Sample wt/vol: 6.02(g) | Date Analyzed: 09/09/2009 01:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 12.2 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.4	0.95
156-60-5	trans-1,2-Dichloroethene	ND		2.4	0.95
10061-02-6	trans-1,3-Dichloropropene	ND		2.4	0.95
79-01-6	Trichloroethene	ND		2.4	0.95
75-69-4	Trichlorofluoromethane	ND		4.7	0.95
75-01-4	Vinyl chloride	ND		2.4	0.95

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	104	70-130	
1868-53-7	Dibromofluoromethane	103	70-130	
2037-26-5	Toluene-d8 (Surr)	98	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-5.0/7.0-XXX Lab Sample ID: 360-24417-6

Matrix: Solid Lab File ID: V44811.D

Analysis Method: 8260B Date Collected: 09/01/2009 16:50

Sample wt/vol: 6.02(g) Date Analyzed: 09/09/2009 01:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 12.2 Level: (low/med) Low

Analysis Batch No.: 48711 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 2

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.66	2.0	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44811.D		
Lims ID:	360-24417-C-6-A	Client ID:	OC-SB-464-5.0/7.0-XXX
Inject. Date:	09-Sep-2009 01:16:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-6-A		
Misc. Info.:	360-0001108-015		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	26
Lims Batch ID:	48711	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:53:20	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 09-Sep-2009 11:01:34

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.639				1
2 Chloromethane	50		1.819				479
3 Vinyl chloride	62		1.922				1
4 Bromomethane	94		2.269				1
5 Chloroethane	64		2.403				479
6 Trichlorofluoromethane	101		2.553				1
7 Ethyl ether	59		2.868				1
8 1,1-Dichloroethene	96		3.065				1
10 Carbon disulfide	76		3.080				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.132				1
14 Methylene Chloride	84		3.628				7
15 Acetone	43		3.685				7
16 trans-1,2-Dichloroethene	61		3.778				1
17 Methyl acetate	43		3.804				1
19 Methyl tert-butyl ether	73		3.886				1
21 Isopropyl ether	45		4.227				1
22 1,1-Dichloroethane	63		4.341				1
24 Tert-butyl ethyl ether	59		4.553				1
26 cis-1,2-Dichloroethene	61		4.811				1
27 2,2-Dichloropropane	77		4.910				1
28 Cyclohexane	56		4.977				1
29 Chlorobromomethane	130		4.982				1
30 Chloroform	83		5.044				1
32 Carbon tetrachloride	117		5.163				1
33 Tetrahydrofuran	42		5.178				
$ 35 Dibromofluoromethane	113	5.194	5.204	-0.010	108403	20.7	
36 1,1,1-Trichloroethane	97		5.225				1
37 2-Butanone (MEK)	43		5.318				1
38 1,1-Dichloropropene	75		5.328				1
40 Benzene	78		5.540				1
41 Tert-amyl methyl ether	73		5.633				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.649	5.659	-0.010	20137	20.0	
43 1,2-Dichloroethane	62		5.711				479
* 44 Fluorobenzene	96	5.877	5.886	-0.009	450384	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.907				
47 Methylcyclohexane	83		6.010				1
48 Trichloroethene	95		6.015				1
49 2,4,4-Trimethyl-2-pentene	112		6.046				1
50 Dibromomethane	93		6.362				1
51 1,2-Dichloropropane	63		6.444				1
52 Dichlorobromomethane	83		6.486				1
54 1,4-Dioxane	88		6.651				1
57 cis-1,3-Dichloropropene	75		6.987				1
$ 58 Toluene-d8 (Surr)	98	7.122	7.132	-0.010	393530	19.7	
59 Toluene	92		7.173				479
60 Tetrachloroethene	164		7.462				1
61 4-Methyl-2-pentanone (MIBK)	43		7.462				1
62 trans-1,3-Dichloropropene	75		7.488				1
64 1,1,2-Trichloroethane	83		7.617				1
65 Chlorodibromomethane	129		7.752				1
66 1,3-Dichloropropane	76		7.829				1
67 Ethylene Dibromide	107		7.943				1
69 2-Hexanone	43		8.103				1
* 70 Chlorobenzene-d5	117	8.321	8.325	-0.004	265126	20.0	
71 Chlorobenzene	112		8.341				1
72 Ethylbenzene	91		8.356				1
73 1,1,1,2-Tetrachloroethane	131		8.387				1
74 m-Xylene & p-Xylene	91		8.465				1
75 o-Xylene	91		8.796				1
76 Styrene	104		8.837				1
77 Bromoform	173		8.863				1
78 Isopropylbenzene	105		9.039				1
$ 80 4-Bromofluorobenzene	95	9.251	9.261	-0.010	158151	20.8	
81 Bromobenzene	77		9.349				1
82 N-Propylbenzene	91		9.359				1
83 1,1,2,2-Tetrachloroethane	83		9.411				1
84 2-Chlorotoluene	91		9.483				1
85 1,3,5-Trimethylbenzene	105		9.509				1
86 1,2,3-Trichloropropane	110		9.524				1
88 4-Chlorotoluene	91		9.617				1
89 tert-Butylbenzene	119		9.762				1
90 1,2,4-Trimethylbenzene	105		9.814				1
91 sec-Butylbenzene	105		9.897				1
92 4-Isopropyltoluene	119		10.010				1
93 1,3-Dichlorobenzene	146		10.077				479
* 94 1,4-Dichlorobenzene-d4	152	10.130	10.134	-0.004	130722	20.0	
95 1,4-Dichlorobenzene	146		10.150				479
96 n-Butylbenzene	91		10.351				1
97 1,2-Dichlorobenzene	146		10.506				1
98 1,2-Dibromo-3-Chloropropane	157		11.287				1
100 Hexachlorobutadiene	225		12.036				1
101 1,2,4-Trichlorobenzene	180		12.083				1
102 Naphthalene	128		12.553				1

Report Date: 09-Sep-2009 11:01:34 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44811.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.827				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44811.D		
Lims ID:	360-24417-C-6-A	Client ID:	OC-SB-464-5.0/7.0-XXX
Inject. Date:	09-Sep-2009 01:16:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-6-A		
Misc. Info.:	360-0001108-015		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	26
Lims Batch ID:	48711	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:53:20	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	09-Sep-2009 11:01:34

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.662	20687	0.4126	94			

Quantitation Compounds

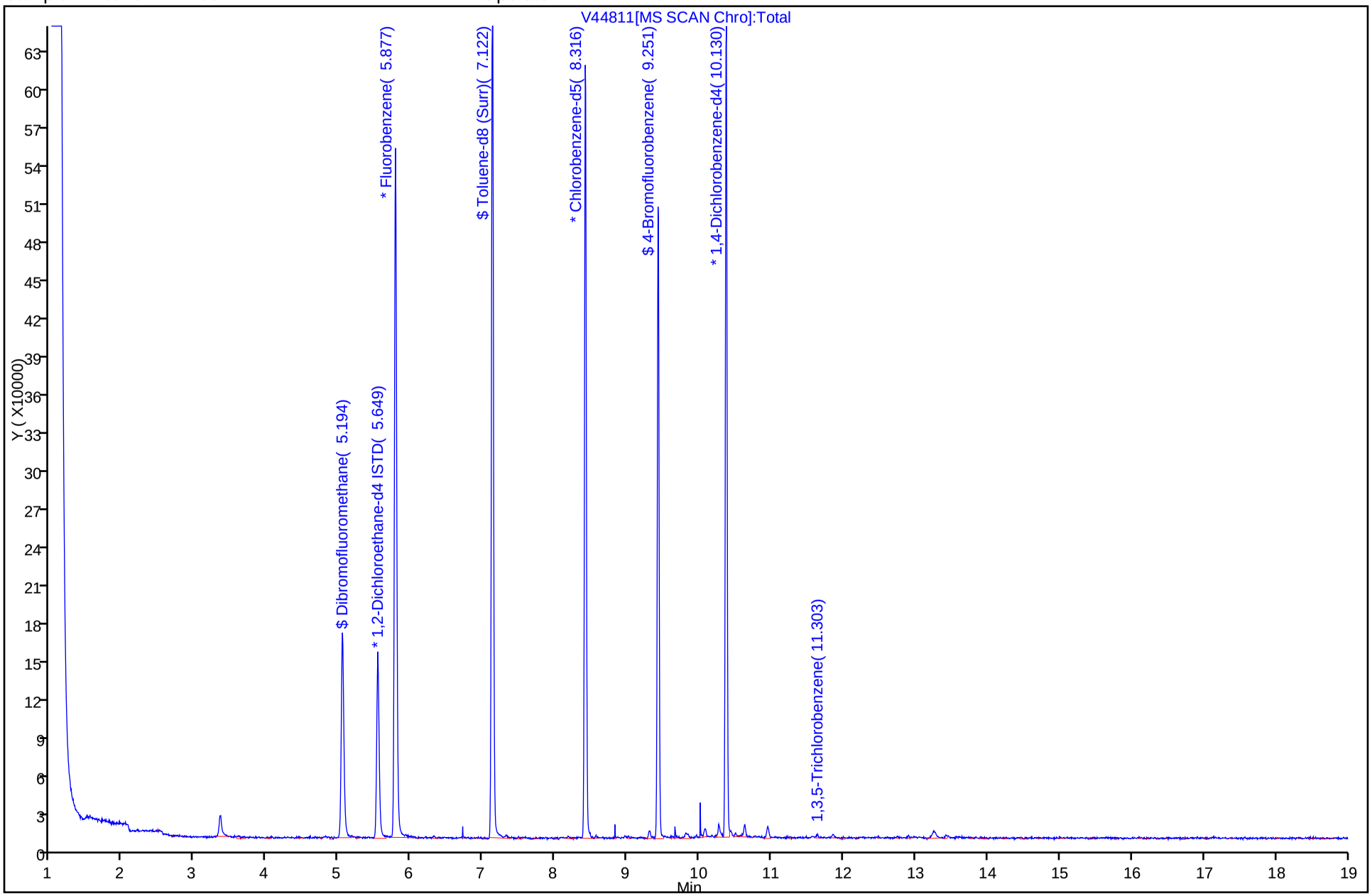
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.130	1002645	20.0

QC Flag Legend

Processing Flags

Report Date: 09-Sep-2009 11:01:34 Chrom Revision: 1.0.2009.827

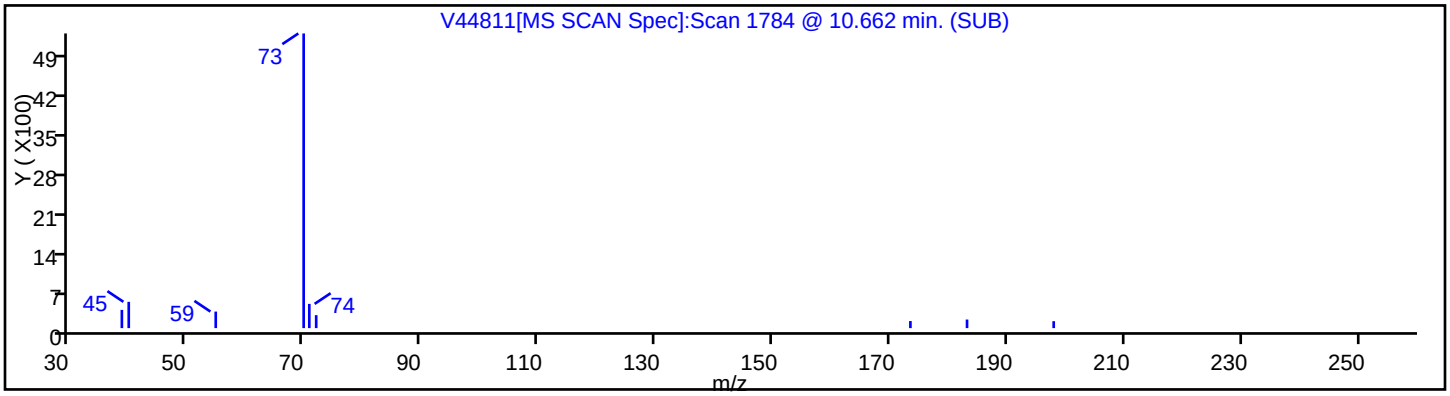
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44811.D		
Inj Date:	09-Sep-2009 01:16:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48711	Lims Sample ID:	15
Client ID:	OC-SB-464-5.0/7.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-6-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 09-Sep-2009 11:01:34 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44811.D		
Inj Date:	09-Sep-2009 01:16:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48711	Lims Sample ID:	15
Client ID:	OC-SB-464-5.0/7.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-6-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-0.0/1.0-XXX | Lab Sample ID: 360-24417-7

Matrix: Solid | Lab File ID: V44931.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:35

Sample wt/vol: 4.86(g) | Date Analyzed: 09/12/2009 16:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 5.0 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.7	1.1
71-55-6	1,1,1-Trichloroethane	ND		2.7	1.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.7	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14	1.1
79-00-5	1,1,2-Trichloroethane	ND		2.7	1.1
75-34-3	1,1-Dichloroethane	ND		2.7	1.1
75-35-4	1,1-Dichloroethene	ND		2.7	1.1
563-58-6	1,1-Dichloropropene	ND		2.7	1.1
87-61-6	1,2,3-Trichlorobenzene	ND		2.7	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.7	1.6
120-82-1	1,2,4-Trichlorobenzene	ND		2.7	1.1
95-63-6	1,2,4-Trimethylbenzene	ND		2.7	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		27	1.9
106-93-4	Ethylene Dibromide	ND		2.7	1.1
95-50-1	1,2-Dichlorobenzene	ND		2.7	1.1
107-06-2	1,2-Dichloroethane	ND		2.7	1.1
67-64-1	Acetone	ND		270	19
78-87-5	1,2-Dichloropropane	ND		2.7	1.1
108-67-8	1,3,5-Trimethylbenzene	ND		2.7	1.1
541-73-1	1,3-Dichlorobenzene	ND		2.7	1.1
142-28-9	1,3-Dichloropropane	ND		2.7	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.7	1.1
123-91-1	1,4-Dioxane	ND		270	36
594-20-7	2,2-Dichloropropane	ND		2.7	1.1
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.4	1.1
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.4	1.1
95-49-8	2-Chlorotoluene	ND		2.7	1.1
591-78-6	2-Hexanone	ND		27	5.6
106-43-4	4-Chlorotoluene	ND		2.7	1.1
71-43-2	Benzene	ND		2.7	1.1
108-86-1	Bromobenzene	ND		2.7	1.1
74-97-5	Chlorobromomethane	ND		2.7	1.1
75-27-4	Dichlorobromomethane	ND		2.7	1.1
75-25-2	Bromoform	ND		2.7	1.1
74-83-9	Bromomethane	ND		5.4	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-0.0/1.0-XXX | Lab Sample ID: 360-24417-7

Matrix: Solid | Lab File ID: V44931.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:35

Sample wt/vol: 4.86(g) | Date Analyzed: 09/12/2009 16:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 5.0 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.7	1.1
75-15-0	Carbon disulfide	ND		2.7	1.1
56-23-5	Carbon tetrachloride	ND		2.7	1.1
108-90-7	Chlorobenzene	ND		2.7	1.1
75-00-3	Chloroethane	ND		5.4	1.1
67-66-3	Chloroform	ND		2.7	1.1
74-87-3	Chloromethane	ND		5.4	1.1
156-59-2	cis-1,2-Dichloroethene	ND		2.7	1.1
10061-01-5	cis-1,3-Dichloropropene	ND		2.7	1.1
110-82-7	Cyclohexane	ND		27	2.8
124-48-1	Chlorodibromomethane	ND		2.7	1.1
74-95-3	Dibromomethane	ND		2.7	1.1
75-71-8	Dichlorodifluoromethane	ND	*	5.4	1.1
60-29-7	Ethyl ether	ND		2.7	1.1
108-20-3	Isopropyl ether	ND		2.7	1.1
637-92-3	Tert-butyl ethyl ether	ND		2.7	2.7
100-41-4	Ethylbenzene	ND		2.7	1.1
87-68-3	Hexachlorobutadiene	ND		2.7	1.1
98-82-8	Isopropylbenzene	ND		2.7	1.1
79-20-9	Methyl acetate	ND		54	18
78-93-3	2-Butanone (MEK)	ND		27	7.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	5.6
1634-04-4	Methyl tert-butyl ether	ND		2.7	1.1
108-87-2	Methylcyclohexane	ND		2.7	1.1
75-09-2	Methylene Chloride	ND		11	5.2
136777-61-2	m-Xylene & p-Xylene	ND		5.4	1.1
91-20-3	Naphthalene	ND		27	1.1
103-65-1	N-Propylbenzene	ND		2.7	1.1
95-47-6	o-Xylene	ND		2.7	1.1
99-87-6	4-Isopropyltoluene	ND		2.7	1.1
135-98-8	sec-Butylbenzene	ND		2.7	1.1
100-42-5	Styrene	ND		2.7	1.1
994-05-8	Tert-amyl methyl ether	ND		2.7	1.1
98-06-6	tert-Butylbenzene	ND		2.7	1.1
127-18-4	Tetrachloroethene	ND		2.7	1.1
109-99-9	Tetrahydrofuran	ND		27	6.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-0.0/1.0-XXX | Lab Sample ID: 360-24417-7

Matrix: Solid | Lab File ID: V44931.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:35

Sample wt/vol: 4.86(g) | Date Analyzed: 09/12/2009 16:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 5.0 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.7	1.1
156-60-5	trans-1,2-Dichloroethene	ND		2.7	1.1
10061-02-6	trans-1,3-Dichloropropene	ND		2.7	1.1
79-01-6	Trichloroethene	ND		2.7	1.1
75-69-4	Trichlorofluoromethane	ND		5.4	1.1
75-01-4	Vinyl chloride	ND		2.7	1.1

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	97	70-130	
1868-53-7	Dibromofluoromethane	101	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-0.0/1.0-XXX Lab Sample ID: 360-24417-7

Matrix: Solid Lab File ID: V44931.D

Analysis Method: 8260B Date Collected: 09/02/2009 07:35

Sample wt/vol: 4.86(g) Date Analyzed: 09/12/2009 16:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 5.0 Level: (low/med) Low

Analysis Batch No.: 48878 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 6.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	16.41	6.1	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44931.D		
Lims ID:	360-24417-C-7-A	Client ID:	OC-SB-465-0.0/1.0-XXX
Inject. Date:	12-Sep-2009 16:30:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-7-A		
Misc. Info.:	360-0001152-012		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	48878	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 09:03:04	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	14-Sep-2009 09:05:03

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.640				1
2 Chloromethane	50		1.821				479
3 Vinyl chloride	62		1.919				1
4 Bromomethane	94		2.276				1
5 Chloroethane	64		2.405				1
6 Trichlorofluoromethane	101		2.549				1
7 Ethyl ether	59		2.875				1
8 1,1-Dichloroethene	96		3.066				1
10 Carbon disulfide	76		3.082				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.133				1
14 Methylene Chloride	84		3.635				7
15 Acetone	43		3.692				7
16 trans-1,2-Dichloroethene	61		3.785				1
17 Methyl acetate	43		3.810				1
19 Methyl tert-butyl ether	73		3.893				1
21 Isopropyl ether	45		4.234				1
22 1,1-Dichloroethane	63		4.348				1
24 Tert-butyl ethyl ether	59		4.560				1
26 cis-1,2-Dichloroethene	61		4.818				1
27 2,2-Dichloropropane	77		4.916				1
28 Cyclohexane	56		4.983				1
29 Chlorobromomethane	130		4.989				1
30 Chloroform	83		5.056				1
32 Carbon tetrachloride	117		5.170				1
33 Tetrahydrofuran	42		5.190				
$ 35 Dibromofluoromethane	113	5.206	5.211	-0.005	103187	20.2	
36 1,1,1-Trichloroethane	97		5.232				1
37 2-Butanone (MEK)	43		5.325				1
38 1,1-Dichloropropene	75		5.335				1
40 Benzene	78		5.547				7
41 Tert-amyl methyl ether	73		5.640				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.661	5.666	-0.005	19040	20.0	
43 1,2-Dichloroethane	62		5.722				479
* 44 Fluorobenzene	96	5.888	5.893	-0.005	438335	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.914				
47 Methylcyclohexane	83		6.017				1
48 Trichloroethene	95		6.022				1
49 2,4,4-Trimethyl-2-pentene	112		6.048				1
50 Dibromomethane	93		6.368				1
51 1,2-Dichloropropane	63		6.451				1
52 Dichlorobromomethane	83		6.493				1
54 1,4-Dioxane	88		6.653				1
57 cis-1,3-Dichloropropene	75		6.994				1
$ 58 Toluene-d8 (Surr)	98	7.134	7.138	-0.004	394176	20.3	
59 Toluene	92		7.175				1
60 Tetrachloroethene	164		7.469				1
61 4-Methyl-2-pentanone (MIBK)	43		7.469				1
62 trans-1,3-Dichloropropene	75		7.495				1
64 1,1,2-Trichloroethane	83		7.619				1
65 Chlorodibromomethane	129		7.759				1
66 1,3-Dichloropropane	76		7.831				1
67 Ethylene Dibromide	107		7.945				1
69 2-Hexanone	43		8.105				1
* 70 Chlorobenzene-d5	117	8.328	8.332	-0.004	265766	20.0	
71 Chlorobenzene	112		8.343				1
72 Ethylbenzene	91		8.358				1
73 1,1,1,2-Tetrachloroethane	131		8.389				1
74 m-Xylene & p-Xylene	91		8.467				1
75 o-Xylene	91		8.803				1
76 Styrene	104		8.839				1
77 Bromoform	173		8.865				1
78 Isopropylbenzene	105		9.040				1
$ 80 4-Bromofluorobenzene	95	9.258	9.262	-0.004	148231	19.5	
81 Bromobenzene	77		9.350				1
82 N-Propylbenzene	91		9.361				1
83 1,1,2,2-Tetrachloroethane	83		9.412				1
84 2-Chlorotoluene	91		9.485				1
85 1,3,5-Trimethylbenzene	105		9.511				1
86 1,2,3-Trichloropropane	110		9.526				1
88 4-Chlorotoluene	91		9.614				1
89 tert-Butylbenzene	119		9.759				1
90 1,2,4-Trimethylbenzene	105		9.815				1
91 sec-Butylbenzene	105		9.898				1
92 4-Isopropyltoluene	119		10.007				1
93 1,3-Dichlorobenzene	146		10.079				479
* 94 1,4-Dichlorobenzene-d4	152	10.136	10.136	0.000	119612	20.0	
95 1,4-Dichlorobenzene	146		10.146				479
96 n-Butylbenzene	91		10.353				1
97 1,2-Dichlorobenzene	146		10.508				1
98 1,2-Dibromo-3-Chloropropane	157		11.278				1
100 Hexachlorobutadiene	225		12.032				1
101 1,2,4-Trichlorobenzene	180		12.084				1
102 Naphthalene	128		12.549				1

Report Date: 14-Sep-2009 09:05:03 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44931.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.823				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44931.D		
Lims ID:	360-24417-C-7-A	Client ID:	OC-SB-465-0.0/1.0-XXX
Inject. Date:	12-Sep-2009 16:30:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-7-A		
Misc. Info.:	360-0001152-012		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	48878	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 09:03:04	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	14-Sep-2009 09:05:03

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
16.405	51848	1.13	94			

Quantitation Compounds

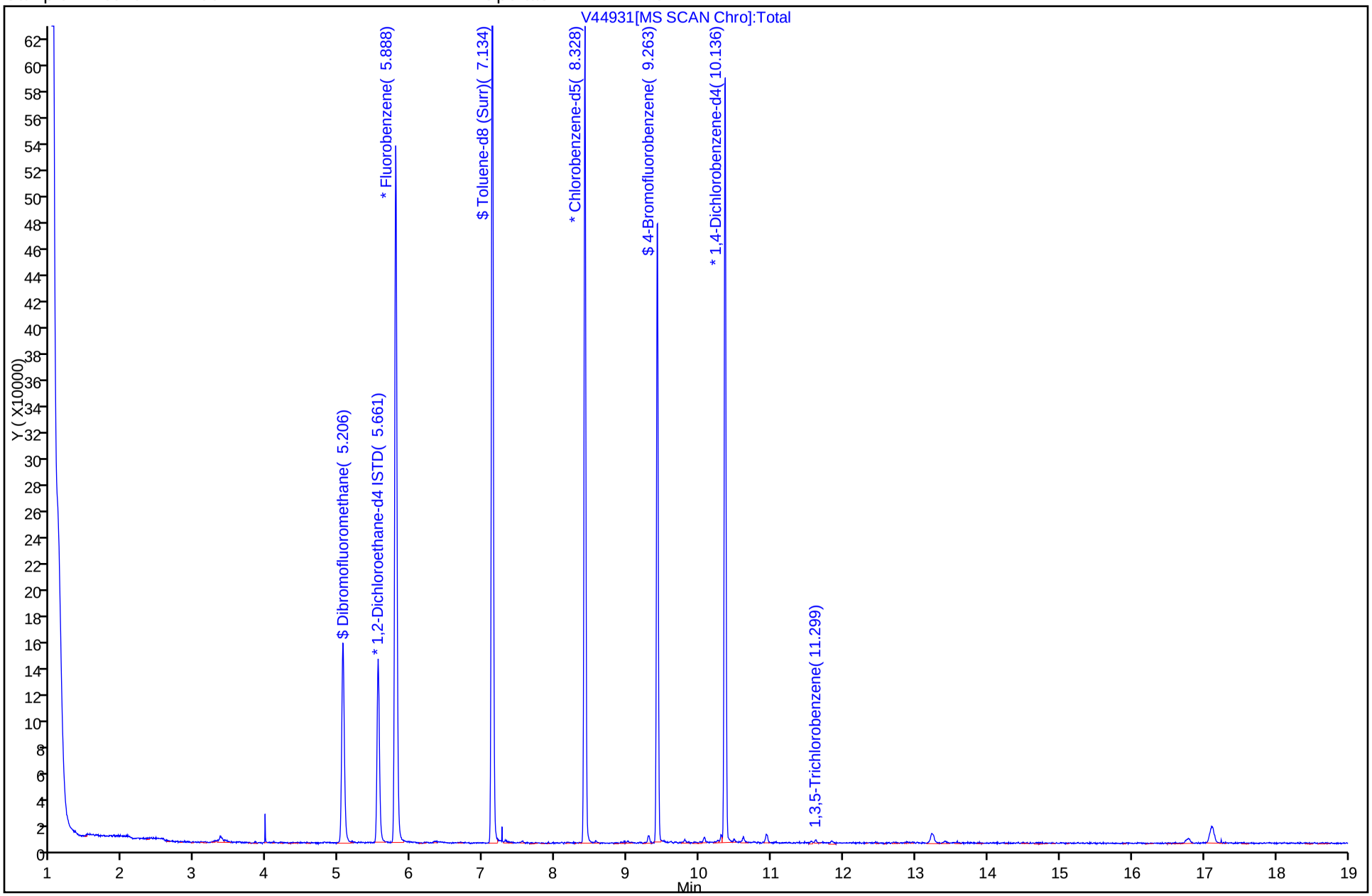
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.136	920350	20.0

QC Flag Legend

Processing Flags

Report Date: 14-Sep-2009 09:05:04 Chrom Revision: 1.0.2009.910

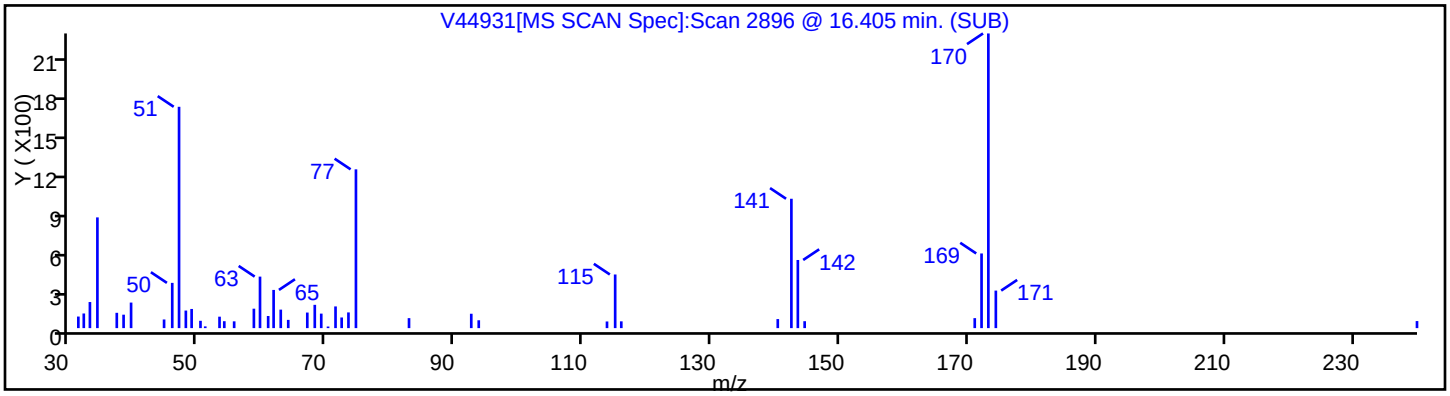
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44931.D		
Inj Date:	12-Sep-2009 16:30:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	12
Client ID:	OC-SB-465-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-7-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 14-Sep-2009 09:05:04 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44931.D		
Inj Date:	12-Sep-2009 16:30:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	12
Client ID:	OC-SB-465-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-7-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-16/18-XXX | Lab Sample ID: 360-24417-8

Matrix: Solid | Lab File ID: V45030.D

Analysis Method: 8260B | Date Collected: 09/02/2009 08:25

Sample wt/vol: 5.18(g) | Date Analyzed: 09/15/2009 21:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 9.6 | Level: (low/med) Low

Analysis Batch No.: 48976 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.7	1.1
71-55-6	1,1,1-Trichloroethane	ND		2.7	1.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.7	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13	1.1
79-00-5	1,1,2-Trichloroethane	ND		2.7	1.1
75-34-3	1,1-Dichloroethane	ND		2.7	1.1
75-35-4	1,1-Dichloroethene	ND		2.7	1.1
563-58-6	1,1-Dichloropropene	ND		2.7	1.1
87-61-6	1,2,3-Trichlorobenzene	ND		2.7	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.7	1.6
120-82-1	1,2,4-Trichlorobenzene	ND		2.7	1.1
95-63-6	1,2,4-Trimethylbenzene	ND		2.7	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		27	1.9
106-93-4	Ethylene Dibromide	ND		2.7	1.1
95-50-1	1,2-Dichlorobenzene	ND		2.7	1.1
107-06-2	1,2-Dichloroethane	ND		2.7	1.1
67-64-1	Acetone	ND		270	19
78-87-5	1,2-Dichloropropane	ND		2.7	1.1
108-67-8	1,3,5-Trimethylbenzene	ND		2.7	1.1
541-73-1	1,3-Dichlorobenzene	ND		2.7	1.1
142-28-9	1,3-Dichloropropane	ND		2.7	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.7	1.1
123-91-1	1,4-Dioxane	ND		270	35
594-20-7	2,2-Dichloropropane	ND		2.7	1.1
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.3	1.1
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.3	1.1
95-49-8	2-Chlorotoluene	ND		2.7	1.1
591-78-6	2-Hexanone	ND		27	5.5
106-43-4	4-Chlorotoluene	ND		2.7	1.1
71-43-2	Benzene	ND		2.7	1.1
108-86-1	Bromobenzene	ND		2.7	1.1
74-97-5	Chlorobromomethane	ND		2.7	1.1
75-27-4	Dichlorobromomethane	ND		2.7	1.1
75-25-2	Bromoform	ND		2.7	1.1
74-83-9	Bromomethane	ND		5.3	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-16/18-XXX | Lab Sample ID: 360-24417-8

Matrix: Solid | Lab File ID: V45030.D

Analysis Method: 8260B | Date Collected: 09/02/2009 08:25

Sample wt/vol: 5.18(g) | Date Analyzed: 09/15/2009 21:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 9.6 | Level: (low/med) Low

Analysis Batch No.: 48976 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.7	1.1
75-15-0	Carbon disulfide	ND		2.7	1.1
56-23-5	Carbon tetrachloride	ND		2.7	1.1
108-90-7	Chlorobenzene	ND		2.7	1.1
75-00-3	Chloroethane	ND		5.3	1.1
67-66-3	Chloroform	ND		2.7	1.1
74-87-3	Chloromethane	ND		5.3	1.1
156-59-2	cis-1,2-Dichloroethene	ND		2.7	1.1
10061-01-5	cis-1,3-Dichloropropene	ND		2.7	1.1
110-82-7	Cyclohexane	ND		27	2.8
124-48-1	Chlorodibromomethane	ND		2.7	1.1
74-95-3	Dibromomethane	ND		2.7	1.1
75-71-8	Dichlorodifluoromethane	ND	*	5.3	1.1
60-29-7	Ethyl ether	ND		2.7	1.1
108-20-3	Isopropyl ether	ND		2.7	1.1
637-92-3	Tert-butyl ethyl ether	ND		2.7	2.7
100-41-4	Ethylbenzene	ND		2.7	1.1
87-68-3	Hexachlorobutadiene	ND		2.7	1.1
98-82-8	Isopropylbenzene	ND		2.7	1.1
79-20-9	Methyl acetate	ND		53	17
78-93-3	2-Butanone (MEK)	7.9	J	27	7.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	5.5
1634-04-4	Methyl tert-butyl ether	ND		2.7	1.1
108-87-2	Methylcyclohexane	ND		2.7	1.1
75-09-2	Methylene Chloride	ND		11	5.2
136777-61-2	m-Xylene & p-Xylene	ND		5.3	1.1
91-20-3	Naphthalene	ND		27	1.1
103-65-1	N-Propylbenzene	ND		2.7	1.1
95-47-6	o-Xylene	ND		2.7	1.1
99-87-6	4-Isopropyltoluene	ND		2.7	1.1
135-98-8	sec-Butylbenzene	ND		2.7	1.1
100-42-5	Styrene	ND		2.7	1.1
994-05-8	Tert-amyl methyl ether	ND		2.7	1.1
98-06-6	tert-Butylbenzene	ND		2.7	1.1
127-18-4	Tetrachloroethene	ND		2.7	1.1
109-99-9	Tetrahydrofuran	27		27	5.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-16/18-XXX | Lab Sample ID: 360-24417-8

Matrix: Solid | Lab File ID: V45030.D

Analysis Method: 8260B | Date Collected: 09/02/2009 08:25

Sample wt/vol: 5.18(g) | Date Analyzed: 09/15/2009 21:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 9.6 | Level: (low/med) Low

Analysis Batch No.: 48976 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.7	1.1
156-60-5	trans-1,2-Dichloroethene	ND		2.7	1.1
10061-02-6	trans-1,3-Dichloropropene	ND		2.7	1.1
79-01-6	Trichloroethene	ND		2.7	1.1
75-69-4	Trichlorofluoromethane	ND		5.3	1.1
75-01-4	Vinyl chloride	ND		2.7	1.1

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	99	70-130	
1868-53-7	Dibromofluoromethane	102	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-16/18-XXX Lab Sample ID: 360-24417-8

Matrix: Solid Lab File ID: V45030.D

Analysis Method: 8260B Date Collected: 09/02/2009 08:25

Sample wt/vol: 5.18(g) Date Analyzed: 09/15/2009 21:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 9.6 Level: (low/med) Low

Analysis Batch No.: 48976 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 6.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.63	6.4	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45030.D		
Lims ID:	360-24417-C-8-A	Client ID:	OC-SB-465-16/18-XXX
Inject. Date:	15-Sep-2009 21:58:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-8-A		
Misc. Info.:	360-0001175-017		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	48976	Lims Sample ID:	17
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\WES1SOIL.m		
Last Update:	16-Sep-2009 08:35:55	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	16-Sep-2009 09:04:21

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.645				1
2 Chloromethane	50		1.831				7
3 Vinyl chloride	62		1.934				1
4 Bromomethane	94		2.291				1
5 Chloroethane	64		2.430				1
6 Trichlorofluoromethane	101		2.559				1
7 Ethyl ether	59		2.880				1
8 1,1-Dichloroethene	96		3.071				1
10 Carbon disulfide	76		3.086				7
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.148				1
14 Methylene Chloride	84		3.645				7
15 Acetone	43	3.685	3.696	-0.011	6441	1.22	
16 trans-1,2-Dichloroethene	61		3.789				1
17 Methyl acetate	43		3.815				1
19 Methyl tert-butyl ether	73		3.898				1
21 Isopropyl ether	45		4.244				1
22 1,1-Dichloroethane	63		4.353				1
24 Tert-butyl ethyl ether	59		4.564				1
26 cis-1,2-Dichloroethene	61		4.823				1
27 2,2-Dichloropropane	77		4.921				1
28 Cyclohexane	56		4.993				1
29 Chlorobromomethane	130		4.998				1
30 Chloroform	83		5.061				1
32 Carbon tetrachloride	117		5.174				1
33 Tetrahydrofuran	42	5.184	5.195	-0.011	10337	5.04	
$ 35 Dibromofluoromethane	113	5.205	5.216	-0.011	99489	20.4	
36 1,1,1-Trichloroethane	97		5.236				1
37 2-Butanone (MEK)	43	5.324	5.334	-0.010	6062	1.49	
38 1,1-Dichloropropene	75		5.340				1
40 Benzene	78		5.557				1
41 Tert-amyl methyl ether	73		5.650				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.660	5.670	-0.010	18415	20.0	
43 1,2-Dichloroethane	62		5.727				479
* 44 Fluorobenzene	96	5.887	5.898	-0.011	419075	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.924				
47 Methylcyclohexane	83		6.022				1
48 Trichloroethene	95		6.032				1
49 2,4,4-Trimethyl-2-pentene	112		6.058				1
50 Dibromomethane	93		6.373				1
51 1,2-Dichloropropane	63		6.456				1
52 Dichlorobromomethane	83		6.497				1
54 1,4-Dioxane	88		6.668				1
57 cis-1,3-Dichloropropene	75		6.998				1
$ 58 Toluene-d8 (Surr)	98	7.132	7.143	-0.011	374780	20.1	
59 Toluene	92		7.185				1
60 Tetrachloroethene	164		7.474				1
61 4-Methyl-2-pentanone (MIBK)	43		7.474				1
62 trans-1,3-Dichloropropene	75		7.500				1
64 1,1,2-Trichloroethane	83		7.624				1
65 Chlorodibromomethane	129		7.763				1
66 1,3-Dichloropropane	76		7.836				1
67 Ethylene Dibromide	107		7.949				1
69 2-Hexanone	43		8.110				1
* 70 Chlorobenzene-d5	117	8.326	8.337	-0.011	249401	20.0	
71 Chlorobenzene	112		8.347				479
72 Ethylbenzene	91		8.363				1
73 1,1,1,2-Tetrachloroethane	131		8.394				1
74 m-Xylene & p-Xylene	91		8.471				1
75 o-Xylene	91		8.807				1
76 Styrene	104		8.843				1
77 Bromoform	173		8.869				1
78 Isopropylbenzene	105		9.045				1
$ 80 4-Bromofluorobenzene	95	9.256	9.267	-0.011	141861	19.9	
81 Bromobenzene	77		9.355				1
82 N-Propylbenzene	91		9.365				1
83 1,1,2,2-Tetrachloroethane	83		9.417				1
84 2-Chlorotoluene	91		9.495				1
85 1,3,5-Trimethylbenzene	105		9.515				1
86 1,2,3-Trichloropropane	110		9.531				1
88 4-Chlorotoluene	91		9.619				1
89 tert-Butylbenzene	119		9.763				1
90 1,2,4-Trimethylbenzene	105		9.820				1
91 sec-Butylbenzene	105		9.903				1
92 4-Isopropyltoluene	119		10.011				1
93 1,3-Dichlorobenzene	146		10.084				479
* 94 1,4-Dichlorobenzene-d4	152	10.135	10.141	-0.006	118516	20.0	
95 1,4-Dichlorobenzene	146		10.156				479
96 n-Butylbenzene	91		10.358				1
97 1,2-Dichlorobenzene	146		10.513				1
98 1,2-Dibromo-3-Chloropropane	157		11.288				1
100 Hexachlorobutadiene	225		12.042				1
101 1,2,4-Trichlorobenzene	180		12.089				1
102 Naphthalene	128		12.559				1

Report Date: 16-Sep-2009 09:04:21 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45030.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.833				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45030.D		
Lims ID:	360-24417-C-8-A	Client ID:	OC-SB-465-16/18-XXX
Inject. Date:	15-Sep-2009 21:58:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-8-A		
Misc. Info.:	360-0001175-017		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	48976	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\WES1SOIL.m		
Last Update:	16-Sep-2009 08:35:55	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	16-Sep-2009 09:04:21

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.629	17784	1.20	42			

Quantitation Compounds

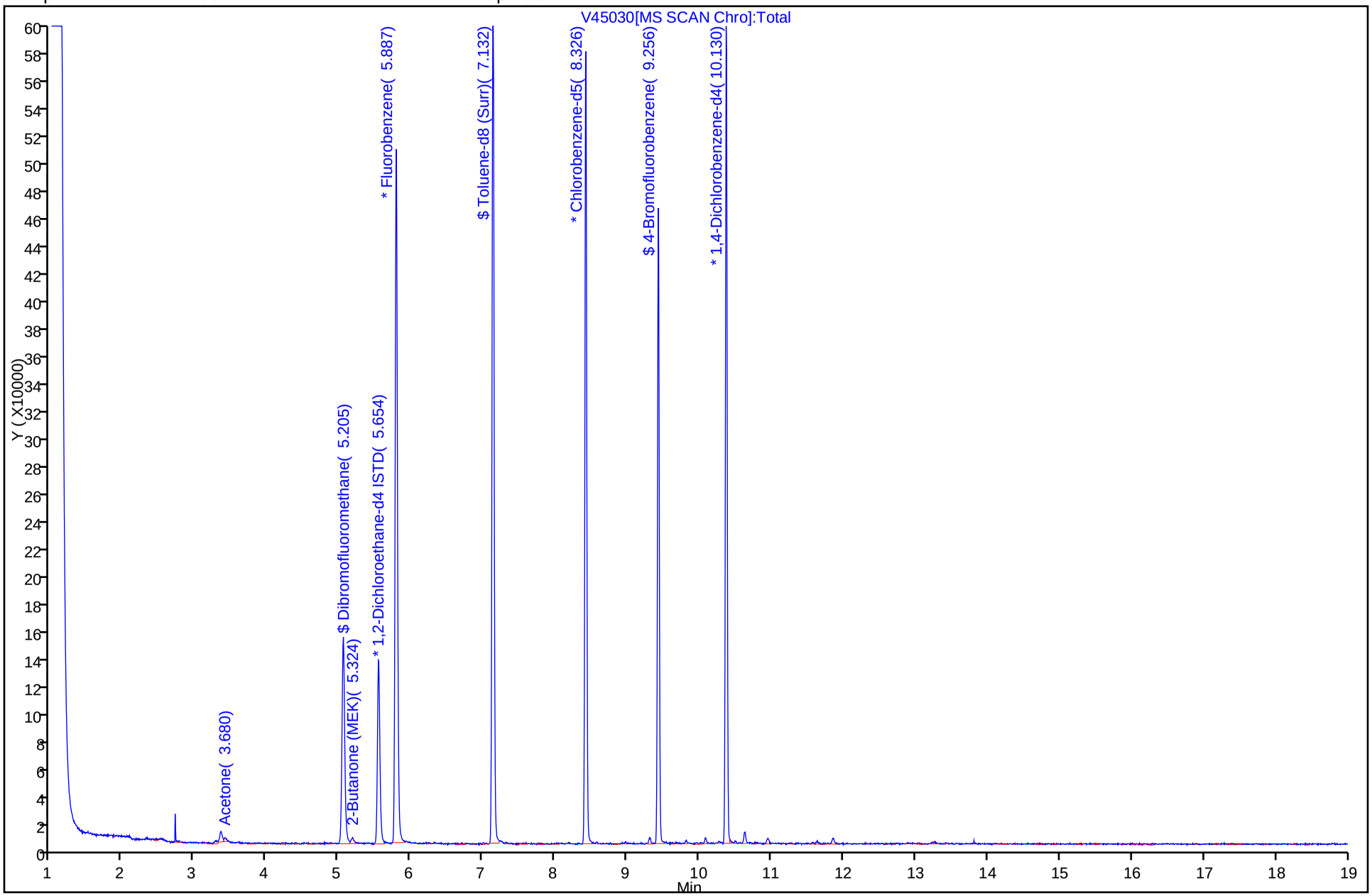
Compound	RT	Response	Amount ug/L
* 42 1,2-Dichloroethane-d4 IST	5.654	295562	20.0

QC Flag Legend

Processing Flags

Report Date: 16-Sep-2009 09:04:21 Chrom Revision: 1.0.2009.910

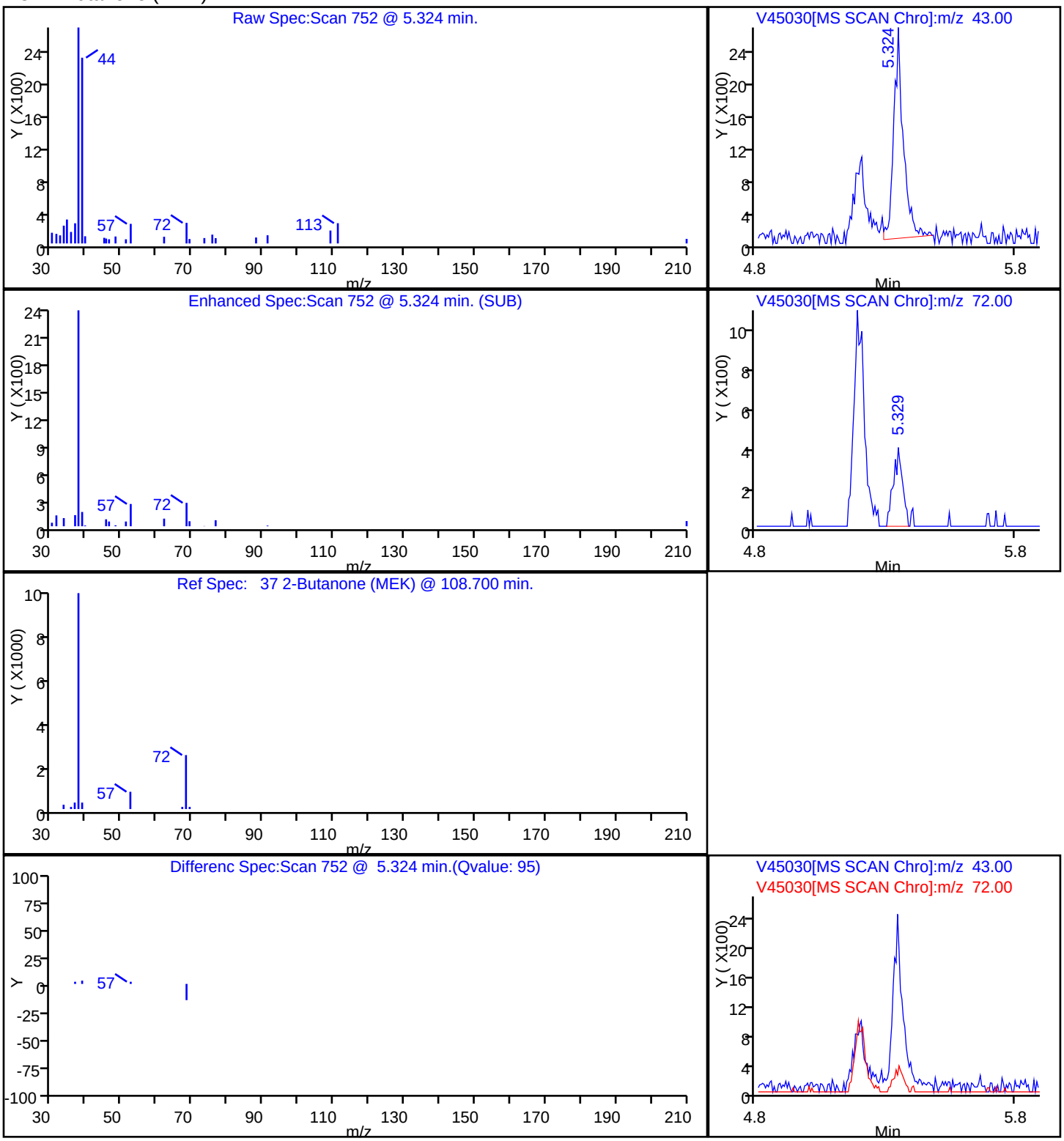
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45030.D		
Inj Date:	15-Sep-2009 21:58:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48976	Lims Sample ID:	17
Client ID:	OC-SB-465-16/18-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-8-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 16-Sep-2009 09:04:21 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45030.D		
Inj Date:	15-Sep-2009 21:58:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48976	Lims Sample ID:	17
Client ID:	OC-SB-465-16/18-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-8-A		
Sample Amount:	1.00	Operator:	CR

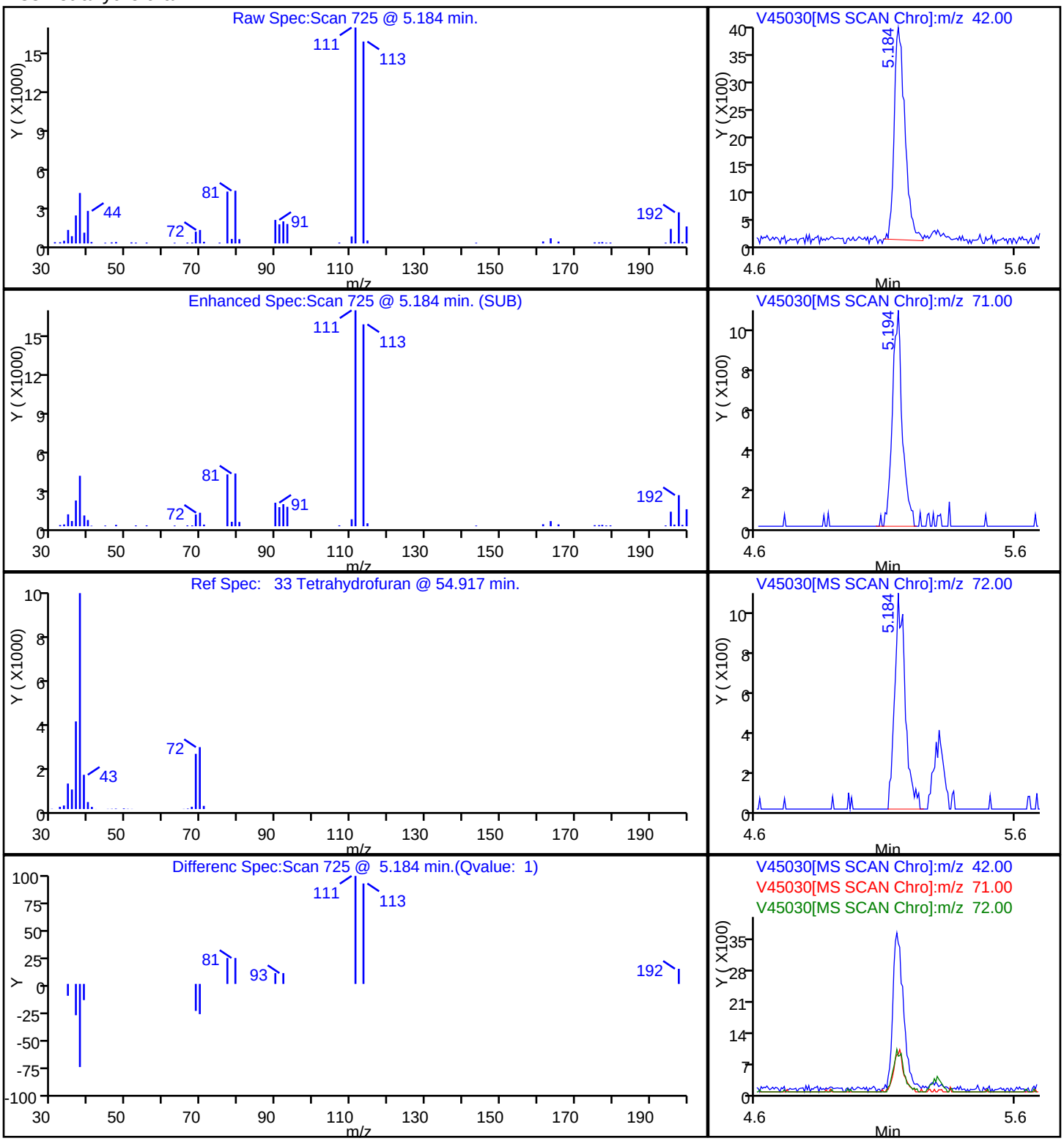
37 2-Butanone (MEK)



Report Date: 16-Sep-2009 09:04:21 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45030.D		
Inj Date:	15-Sep-2009 21:58:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48976	Lims Sample ID:	17
Client ID:	OC-SB-465-16/18-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-8-A		
Sample Amount:	1.00	Operator:	CR

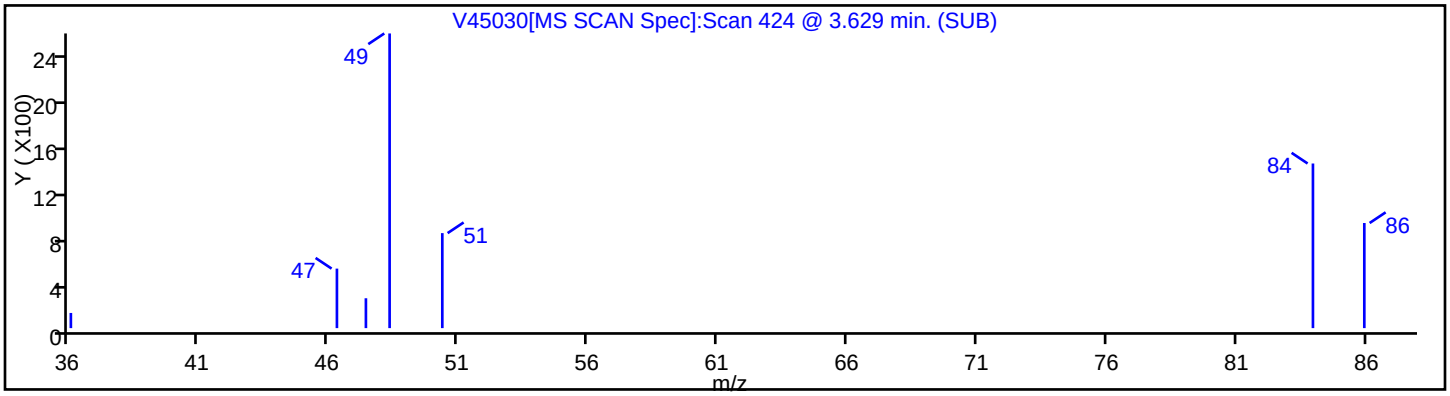
33 Tetrahydrofuran



Report Date: 16-Sep-2009 09:04:22 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45030.D		
Inj Date:	15-Sep-2009 21:58:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48976	Lims Sample ID:	17
Client ID:	OC-SB-465-16/18-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-8-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-DUP | Lab Sample ID: 360-24417-9

Matrix: Solid | Lab File ID: V44812.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:45

Sample wt/vol: 6.47(g) | Date Analyzed: 09/09/2009 01:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 11.1 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.2	0.87
71-55-6	1,1,1-Trichloroethane	ND		2.2	0.87
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.2	0.87
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	0.87
79-00-5	1,1,2-Trichloroethane	ND		2.2	0.87
75-34-3	1,1-Dichloroethane	ND		2.2	0.87
75-35-4	1,1-Dichloroethene	ND		2.2	0.87
563-58-6	1,1-Dichloropropene	ND		2.2	0.87
87-61-6	1,2,3-Trichlorobenzene	ND		2.2	0.87
96-18-4	1,2,3-Trichloropropane	ND		2.2	1.3
120-82-1	1,2,4-Trichlorobenzene	ND		2.2	0.87
95-63-6	1,2,4-Trimethylbenzene	ND		2.2	0.87
96-12-8	1,2-Dibromo-3-Chloropropane	ND		22	1.6
106-93-4	Ethylene Dibromide	ND		2.2	0.87
95-50-1	1,2-Dichlorobenzene	ND		2.2	0.87
107-06-2	1,2-Dichloroethane	ND		2.2	0.87
67-64-1	Acetone	ND		220	16
78-87-5	1,2-Dichloropropane	ND		2.2	0.87
108-67-8	1,3,5-Trimethylbenzene	ND		2.2	0.87
541-73-1	1,3-Dichlorobenzene	ND		2.2	0.87
142-28-9	1,3-Dichloropropane	ND		2.2	0.87
106-46-7	1,4-Dichlorobenzene	ND		2.2	0.87
123-91-1	1,4-Dioxane	ND		220	29
594-20-7	2,2-Dichloropropane	ND		2.2	0.87
107-39-1	2,4,4-Trimethyl-1-pentene	ND		4.3	0.87
107-40-4	2,4,4-Trimethyl-2-pentene	ND		4.3	0.87
95-49-8	2-Chlorotoluene	ND		2.2	0.87
591-78-6	2-Hexanone	ND		22	4.5
106-43-4	4-Chlorotoluene	ND		2.2	0.87
71-43-2	Benzene	ND		2.2	0.87
108-86-1	Bromobenzene	ND		2.2	0.87
74-97-5	Chlorobromomethane	ND		2.2	0.87
75-27-4	Dichlorobromomethane	ND		2.2	0.87
75-25-2	Bromoform	ND		2.2	0.87
74-83-9	Bromomethane	ND		4.3	0.87

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-DUP | Lab Sample ID: 360-24417-9

Matrix: Solid | Lab File ID: V44812.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:45

Sample wt/vol: 6.47(g) | Date Analyzed: 09/09/2009 01:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 11.1 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.2	0.87
75-15-0	Carbon disulfide	ND		2.2	0.87
56-23-5	Carbon tetrachloride	ND		2.2	0.87
108-90-7	Chlorobenzene	ND		2.2	0.87
75-00-3	Chloroethane	ND		4.3	0.87
67-66-3	Chloroform	ND		2.2	0.87
74-87-3	Chloromethane	ND		4.3	0.87
156-59-2	cis-1,2-Dichloroethene	ND		2.2	0.87
10061-01-5	cis-1,3-Dichloropropene	ND		2.2	0.87
110-82-7	Cyclohexane	ND		22	2.2
124-48-1	Chlorodibromomethane	ND		2.2	0.87
74-95-3	Dibromomethane	ND		2.2	0.87
75-71-8	Dichlorodifluoromethane	ND	*	4.3	0.87
60-29-7	Ethyl ether	ND		2.2	0.87
108-20-3	Isopropyl ether	ND		2.2	0.87
637-92-3	Tert-butyl ethyl ether	ND		2.2	2.2
100-41-4	Ethylbenzene	ND		2.2	0.87
87-68-3	Hexachlorobutadiene	ND		2.2	0.87
98-82-8	Isopropylbenzene	ND		2.2	0.87
79-20-9	Methyl acetate	ND		43	14
78-93-3	2-Butanone (MEK)	ND		22	5.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		22	4.5
1634-04-4	Methyl tert-butyl ether	ND		2.2	0.87
108-87-2	Methylcyclohexane	ND		2.2	0.87
75-09-2	Methylene Chloride	ND		8.7	4.2
136777-61-2	m-Xylene & p-Xylene	ND		4.3	0.87
91-20-3	Naphthalene	ND		22	0.87
103-65-1	N-Propylbenzene	ND		2.2	0.87
95-47-6	o-Xylene	ND		2.2	0.87
99-87-6	4-Isopropyltoluene	ND		2.2	0.87
135-98-8	sec-Butylbenzene	ND		2.2	0.87
100-42-5	Styrene	ND		2.2	0.87
994-05-8	Tert-amyl methyl ether	ND		2.2	0.87
98-06-6	tert-Butylbenzene	ND		2.2	0.87
127-18-4	Tetrachloroethene	ND		2.2	0.87
109-99-9	Tetrahydrofuran	ND		22	4.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-DUP | Lab Sample ID: 360-24417-9

Matrix: Solid | Lab File ID: V44812.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:45

Sample wt/vol: 6.47(g) | Date Analyzed: 09/09/2009 01:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 11.1 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.2	0.87
156-60-5	trans-1,2-Dichloroethene	ND		2.2	0.87
10061-02-6	trans-1,3-Dichloropropene	ND		2.2	0.87
79-01-6	Trichloroethene	ND		2.2	0.87
75-69-4	Trichlorofluoromethane	ND		4.3	0.87
75-01-4	Vinyl chloride	ND		2.2	0.87

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	104	70-130	
1868-53-7	Dibromofluoromethane	102	70-130	
2037-26-5	Toluene-d8 (Surr)	98	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-DUP Lab Sample ID: 360-24417-9

Matrix: Solid Lab File ID: V44812.D

Analysis Method: 8260B Date Collected: 09/02/2009 07:45

Sample wt/vol: 6.47(g) Date Analyzed: 09/09/2009 01:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 11.1 Level: (low/med) Low

Analysis Batch No.: 48711 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 6.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	12.80	6.9	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44812.D		
Lims ID:	360-24417-C-9-A	Client ID:	OC-SB-465-8.0/10-DUP
Inject. Date:	09-Sep-2009 01:40:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-9-A		
Misc. Info.:	360-0001108-016		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	27
Lims Batch ID:	48711	Lims Sample ID:	16
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:53:20	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 11:02:20

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.639				1
2 Chloromethane	50		1.819				479
3 Vinyl chloride	62		1.922				479
4 Bromomethane	94		2.269				79
5 Chloroethane	64		2.403				1
6 Trichlorofluoromethane	101		2.553				1
7 Ethyl ether	59		2.868				1
8 1,1-Dichloroethene	96		3.065				1
10 Carbon disulfide	76		3.080				7
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.132				1
14 Methylene Chloride	84		3.628				7
15 Acetone	43		3.685				
16 trans-1,2-Dichloroethene	61		3.778				1
17 Methyl acetate	43		3.804				1
19 Methyl tert-butyl ether	73		3.886				1
21 Isopropyl ether	45		4.227				1
22 1,1-Dichloroethane	63		4.341				1
24 Tert-butyl ethyl ether	59		4.553				1
26 cis-1,2-Dichloroethene	61		4.811				1
27 2,2-Dichloropropane	77		4.910				1
28 Cyclohexane	56		4.977				1
29 Chlorobromomethane	130		4.982				1
30 Chloroform	83		5.044				1
32 Carbon tetrachloride	117		5.163				1
33 Tetrahydrofuran	42		5.178				
$ 35 Dibromofluoromethane	113	5.195	5.204	-0.009	106144	20.4	
36 1,1,1-Trichloroethane	97		5.225				1
37 2-Butanone (MEK)	43		5.318				1
38 1,1-Dichloropropene	75		5.328				1
40 Benzene	78		5.540				479
41 Tert-amyl methyl ether	73		5.633				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.650	5.659	-0.009	18270	20.0	
43 1,2-Dichloroethane	62		5.711				1
* 44 Fluorobenzene	96	5.877	5.886	-0.009	447061	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.907				
47 Methylcyclohexane	83		6.010				1
48 Trichloroethene	95		6.015				1
49 2,4,4-Trimethyl-2-pentene	112		6.046				1
50 Dibromomethane	93		6.362				1
51 1,2-Dichloropropane	63		6.444				1
52 Dichlorobromomethane	83		6.486				1
54 1,4-Dioxane	88		6.651				1
57 cis-1,3-Dichloropropene	75		6.987				1
$ 58 Toluene-d8 (Surr)	98	7.123	7.132	-0.009	387611	19.5	
59 Toluene	92		7.173				1
60 Tetrachloroethene	164		7.462				1
61 4-Methyl-2-pentanone (MIBK)	43		7.462				1
62 trans-1,3-Dichloropropene	75		7.488				1
64 1,1,2-Trichloroethane	83		7.617				1
65 Chlorodibromomethane	129		7.752				1
66 1,3-Dichloropropane	76		7.829				1
67 Ethylene Dibromide	107		7.943				1
69 2-Hexanone	43		8.103				1
* 70 Chlorobenzene-d5	117	8.317	8.325	-0.008	261388	20.0	
71 Chlorobenzene	112		8.341				1
72 Ethylbenzene	91		8.356				1
73 1,1,1,2-Tetrachloroethane	131		8.387				1
74 m-Xylene & p-Xylene	91		8.465				1
75 o-Xylene	91		8.796				1
76 Styrene	104		8.837				1
77 Bromoform	173		8.863				1
78 Isopropylbenzene	105		9.039				1
$ 80 4-Bromofluorobenzene	95	9.252	9.261	-0.009	156289	20.9	
81 Bromobenzene	77		9.349				1
82 N-Propylbenzene	91		9.359				1
83 1,1,2,2-Tetrachloroethane	83		9.411				1
84 2-Chlorotoluene	91		9.483				1
85 1,3,5-Trimethylbenzene	105		9.509				1
86 1,2,3-Trichloropropane	110		9.524				1
88 4-Chlorotoluene	91		9.617				1
89 tert-Butylbenzene	119		9.762				1
90 1,2,4-Trimethylbenzene	105		9.814				1
91 sec-Butylbenzene	105		9.897				1
92 4-Isopropyltoluene	119		10.010				1
93 1,3-Dichlorobenzene	146		10.077				479
* 94 1,4-Dichlorobenzene-d4	152	10.130	10.134	-0.004	128033	20.0	
95 1,4-Dichlorobenzene	146		10.150				479
96 n-Butylbenzene	91		10.351				1
97 1,2-Dichlorobenzene	146		10.506				1
98 1,2-Dibromo-3-Chloropropane	157		11.287				1
100 Hexachlorobutadiene	225		12.036				1
101 1,2,4-Trichlorobenzene	180		12.083				1
102 Naphthalene	128		12.553				1

Report Date: 09-Sep-2009 11:02:21 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44812.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.827				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44812.D		
Lims ID:	360-24417-C-9-A	Client ID:	OC-SB-465-8.0/10-DUP
Inject. Date:	09-Sep-2009 01:40:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-9-A		
Misc. Info.:	360-0001108-016		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	27
Lims Batch ID:	48711	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:53:20	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	09-Sep-2009 11:02:20

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
12.797	79295	1.60	94			

Quantitation Compounds

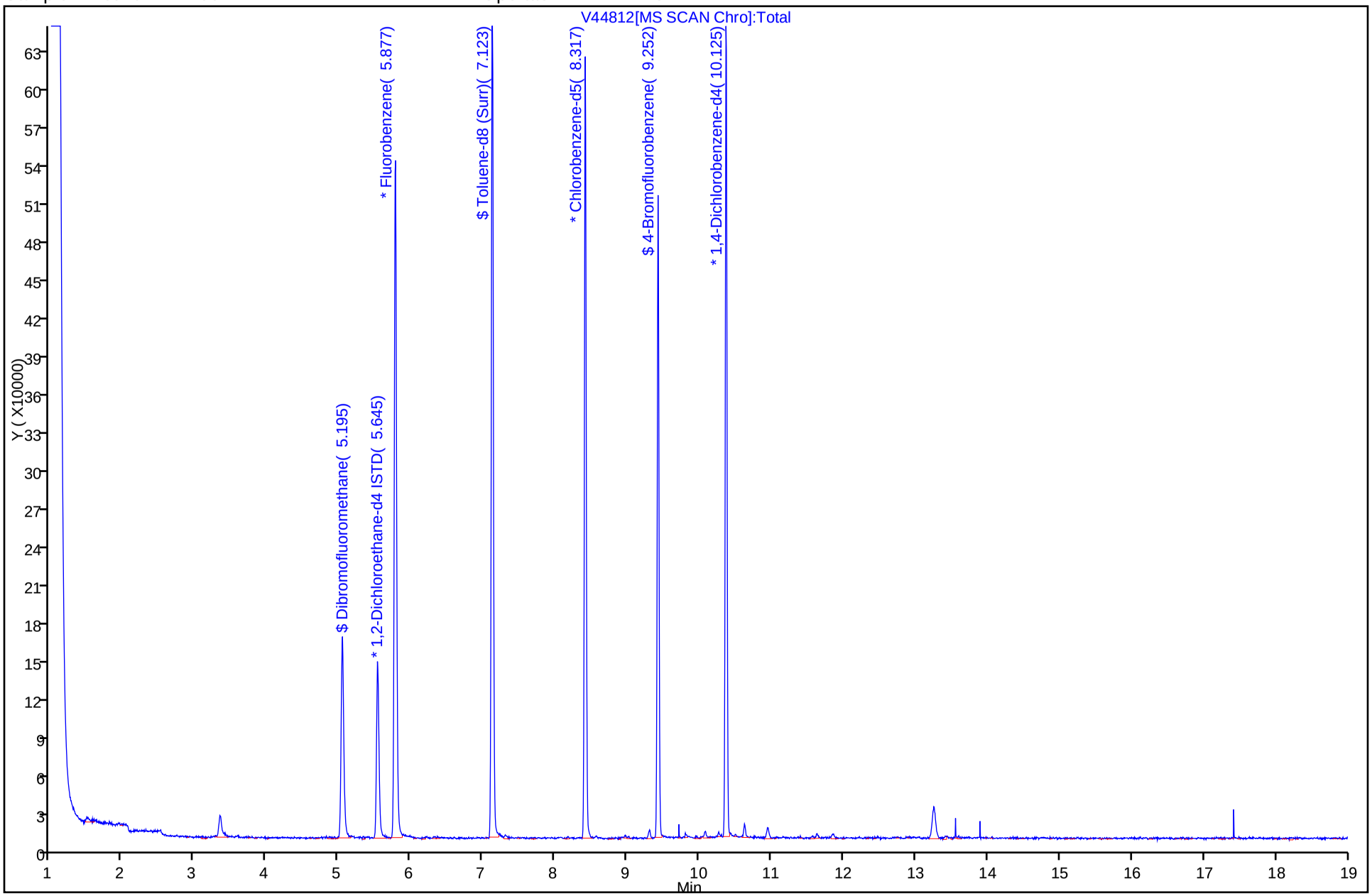
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.125	992951	20.0

QC Flag Legend

Processing Flags

Report Date: 09-Sep-2009 11:02:21 Chrom Revision: 1.0.2009.827

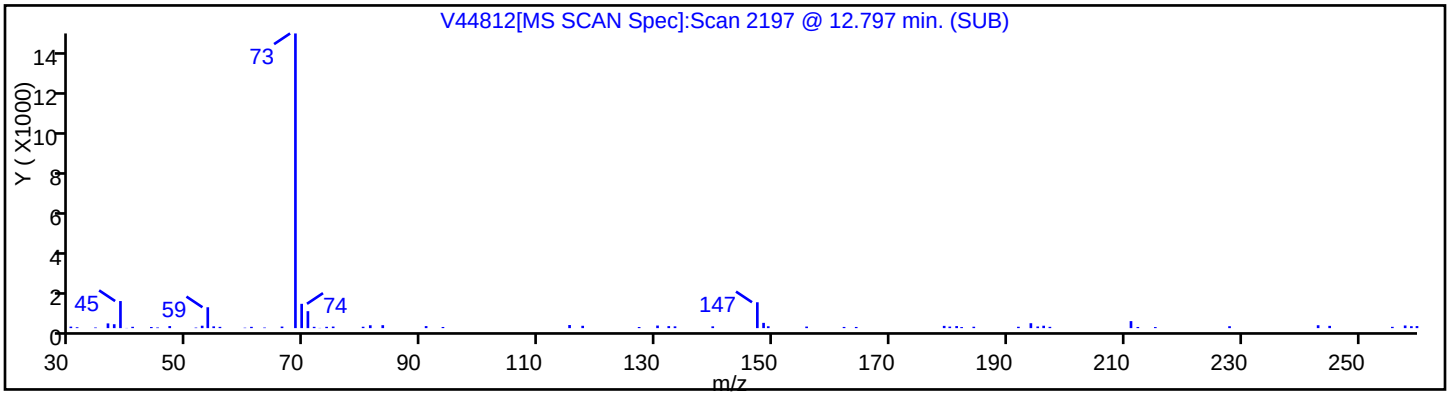
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44812.D		
Inj Date:	09-Sep-2009 01:40:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48711	Lims Sample ID:	16
Client ID:	OC-SB-465-8.0/10-DUP	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-9-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 09-Sep-2009 11:02:21 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44812.D		
Inj Date:	09-Sep-2009 01:40:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48711	Lims Sample ID:	16
Client ID:	OC-SB-465-8.0/10-DUP	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-9-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX | Lab Sample ID: 360-24417-10

Matrix: Solid | Lab File ID: V44845.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:45

Sample wt/vol: 5.66(g) | Date Analyzed: 09/09/2009 19:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.0
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.0
75-35-4	1,1-Dichloroethene	ND		2.5	1.0
563-58-6	1,1-Dichloropropene	ND		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	1.6	J	2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
67-64-1	Acetone	ND		250	18
78-87-5	1,2-Dichloropropane	ND		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.0
95-49-8	2-Chlorotoluene	ND		2.5	1.0
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	1.0
71-43-2	Benzene	ND		2.5	1.0
108-86-1	Bromobenzene	ND		2.5	1.0
74-97-5	Chlorobromomethane	ND		2.5	1.0
75-27-4	Dichlorobromomethane	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.0
74-83-9	Bromomethane	ND		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX | Lab Sample ID: 360-24417-10

Matrix: Solid | Lab File ID: V44845.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:45

Sample wt/vol: 5.66(g) | Date Analyzed: 09/09/2009 19:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	1.0
75-15-0	Carbon disulfide	ND		2.5	1.0
56-23-5	Carbon tetrachloride	ND		2.5	1.0
108-90-7	Chlorobenzene	ND		2.5	1.0
75-00-3	Chloroethane	ND		5.0	1.0
67-66-3	Chloroform	ND		2.5	1.0
74-87-3	Chloromethane	ND		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.0
75-71-8	Dichlorodifluoromethane	ND	*	5.0	1.0
60-29-7	Ethyl ether	ND		2.5	1.0
108-20-3	Isopropyl ether	ND		2.5	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	1.0
87-68-3	Hexachlorobutadiene	ND		2.5	1.0
98-82-8	Isopropylbenzene	ND		2.5	1.0
79-20-9	Methyl acetate	ND		50	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.2
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.0
108-87-2	Methylcyclohexane	ND		2.5	1.0
75-09-2	Methylene Chloride	5.2	J B	10	4.8
136777-61-2	m-Xylene & p-Xylene	ND		5.0	1.0
91-20-3	Naphthalene	ND		25	1.0
103-65-1	N-Propylbenzene	ND		2.5	1.0
95-47-6	o-Xylene	ND		2.5	1.0
99-87-6	4-Isopropyltoluene	ND		2.5	1.0
135-98-8	sec-Butylbenzene	ND		2.5	1.0
100-42-5	Styrene	ND		2.5	1.0
994-05-8	Tert-amyl methyl ether	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.0
127-18-4	Tetrachloroethene	ND		2.5	1.0
109-99-9	Tetrahydrofuran	9.3	J	25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX | Lab Sample ID: 360-24417-10

Matrix: Solid | Lab File ID: V44845.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:45

Sample wt/vol: 5.66(g) | Date Analyzed: 09/09/2009 19:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
79-01-6	Trichloroethene	ND		2.5	1.0
75-69-4	Trichlorofluoromethane	ND		5.0	1.0
75-01-4	Vinyl chloride	ND		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	102	70-130	
1868-53-7	Dibromofluoromethane	102	70-130	
2037-26-5	Toluene-d8 (Surr)	100	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX Lab Sample ID: 360-24417-10

Matrix: Solid Lab File ID: V44845.D

Analysis Method: 8260B Date Collected: 09/02/2009 07:45

Sample wt/vol: 5.66(g) Date Analyzed: 09/09/2009 19:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 11.5 Level: (low/med) Low

Analysis Batch No.: 48767 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44845.D		
Lims ID:	360-24417-C-10-A	Client ID:	OC-SB-465-8.0/10-XXX
Inject. Date:	09-Sep-2009 19:53:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-10-A		
Misc. Info.:	360-0001122-008		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	48767	Lims Sample ID:	8
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\WES1SOIL.m		
Last Update:	10-Sep-2009 11:23:54	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	10-Sep-2009 11:27:22

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				1
3 Vinyl chloride	62		1.908				479
4 Bromomethane	94		2.254				479
5 Chloroethane	64		2.394				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
10 Carbon disulfide	76		3.060				79
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.117				1
14 Methylene Chloride	84	3.608	3.613	-0.005	15349	1.05	
15 Acetone	43		3.665				7
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.789				1
19 Methyl tert-butyl ether	73		3.872				1
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
24 Tert-butyl ethyl ether	59		4.538				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.895				1
28 Cyclohexane	56		4.967				1
29 Chlorobromomethane	130		4.973				1
30 Chloroform	83		5.035				1
32 Carbon tetrachloride	117		5.148				1
33 Tetrahydrofuran	42	5.164	5.164	0.000	5928	1.86	
$ 35 Dibromofluoromethane	113	5.184	5.190	-0.006	103073	20.4	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.308				1
38 1,1-Dichloropropene	75		5.314				1
40 Benzene	78		5.531				7
41 Tert-amyl methyl ether	73		5.624				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.639	5.644	-0.005	19294	20.0	
43 1,2-Dichloroethane	62		5.701				479
* 44 Fluorobenzene	96	5.867	5.872	-0.005	433430	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.898				
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.006				479
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.352				1
51 1,2-Dichloropropane	63		6.435				1
52 Dichlorobromomethane	83		6.476				1
54 1,4-Dioxane	88		6.642				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.112	7.122	-0.010	384568	20.0	
59 Toluene	92		7.164				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
64 1,1,2-Trichloroethane	83		7.608				1
65 Chlorodibromomethane	129		7.743				1
66 1,3-Dichloropropane	76		7.820				1
67 Ethylene Dibromide	107		7.934				1
69 2-Hexanone	43		8.094				1
* 70 Chlorobenzene-d5	117	8.306	8.316	-0.010	268564	20.0	
71 Chlorobenzene	112		8.332				1
72 Ethylbenzene	91		8.347				1
73 1,1,1,2-Tetrachloroethane	131		8.378				1
74 m-Xylene & p-Xylene	91		8.456				1
75 o-Xylene	91		8.792				1
76 Styrene	104		8.833				479
77 Bromoform	173		8.854				1
78 Isopropylbenzene	105		9.029				1
$ 80 4-Bromofluorobenzene	95	9.241	9.252	-0.011	156942	20.4	
81 Bromobenzene	77		9.339				1
82 N-Propylbenzene	91		9.350				1
83 1,1,2,2-Tetrachloroethane	83		9.401				1
84 2-Chlorotoluene	91		9.479				1
85 1,3,5-Trimethylbenzene	105		9.500				1
86 1,2,3-Trichloropropane	110		9.520				1
88 4-Chlorotoluene	91		9.608				1
89 tert-Butylbenzene	119		9.753				1
90 1,2,4-Trimethylbenzene	105		9.805				1
91 sec-Butylbenzene	105		9.892				1
92 4-Isopropyltoluene	119		10.001				1
93 1,3-Dichlorobenzene	146		10.073				7
* 94 1,4-Dichlorobenzene-d4	152	10.120	10.130	-0.010	129441	20.0	
95 1,4-Dichlorobenzene	146		10.140				479
96 n-Butylbenzene	91		10.347				1
97 1,2-Dichlorobenzene	146		10.497				1
98 1,2-Dibromo-3-Chloropropane	157		11.277				1
100 Hexachlorobutadiene	225		12.032				1
101 1,2,4-Trichlorobenzene	180	12.052	12.078	-0.026	1993	0.3158	
102 Naphthalene	128		12.544				1

Report Date: 10-Sep-2009 11:27:22 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44845.D

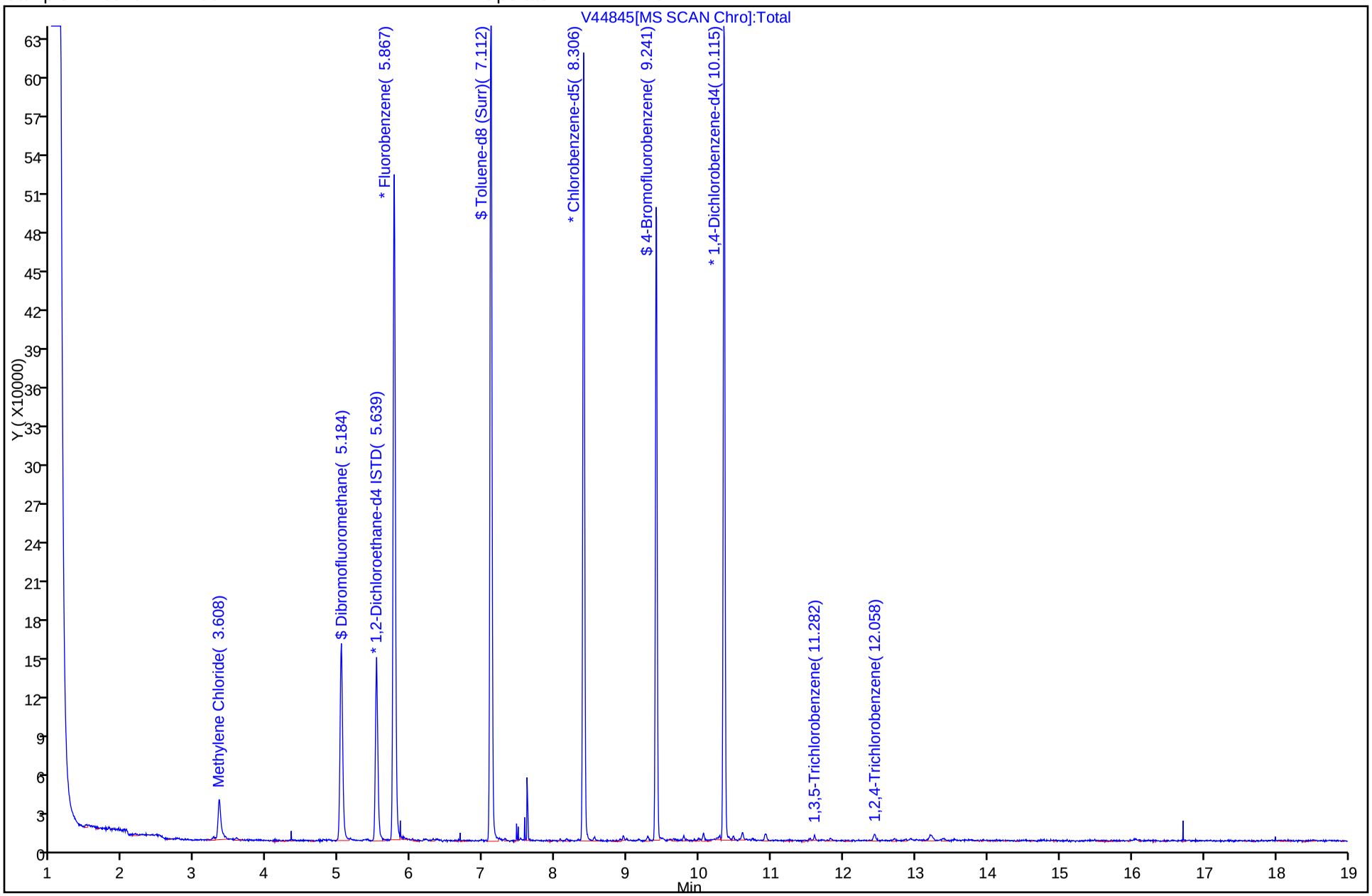
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.823				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 10-Sep-2009 11:27:22 Chrom Revision: 1.0.2009.827

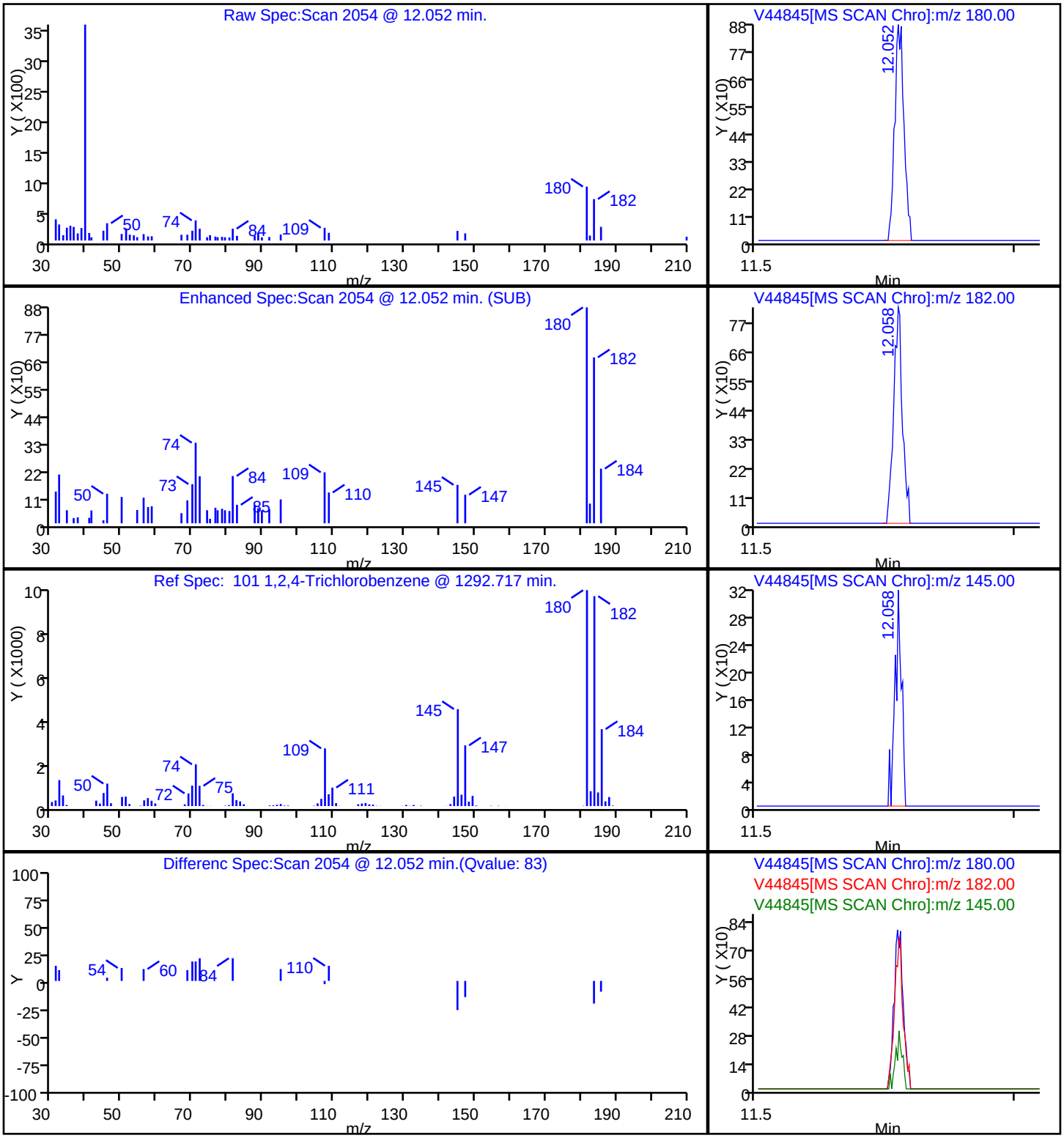
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44845.D		
Inj Date:	09-Sep-2009 19:53:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48767	Lims Sample ID:	8
Client ID:	OC-SB-465-8.0/10-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-10-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 10-Sep-2009 11:27:22 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44845.D		
Inj Date:	09-Sep-2009 19:53:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48767	Lims Sample ID:	8
Client ID:	OC-SB-465-8.0/10-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-10-A		
Sample Amount:	1.00	Operator:	CR

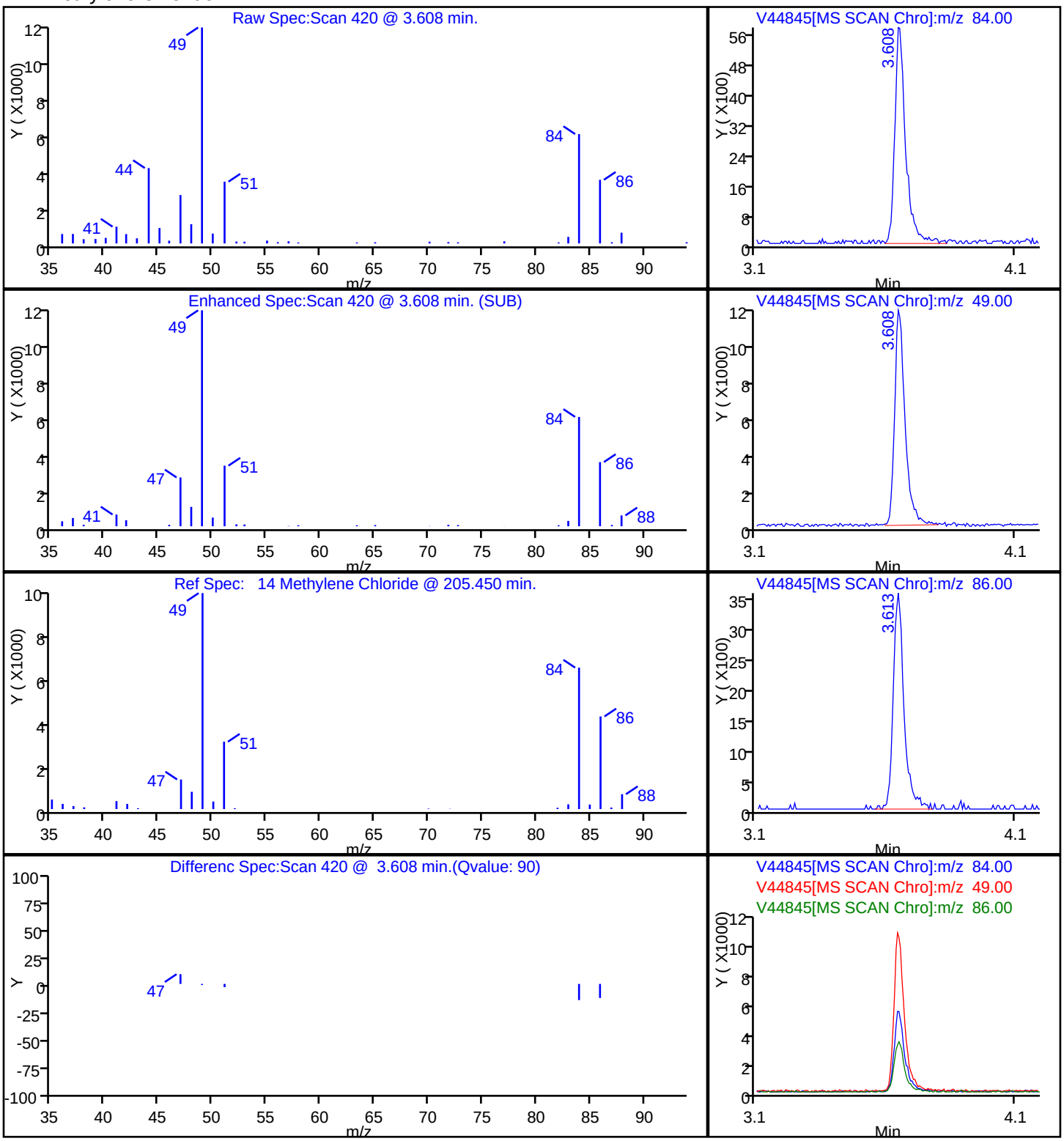
101 1,2,4-Trichlorobenzene



Report Date: 10-Sep-2009 11:27:22 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44845.D		
Inj Date:	09-Sep-2009 19:53:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48767	Lims Sample ID:	8
Client ID:	OC-SB-465-8.0/10-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-10-A		
Sample Amount:	1.00	Operator:	CR

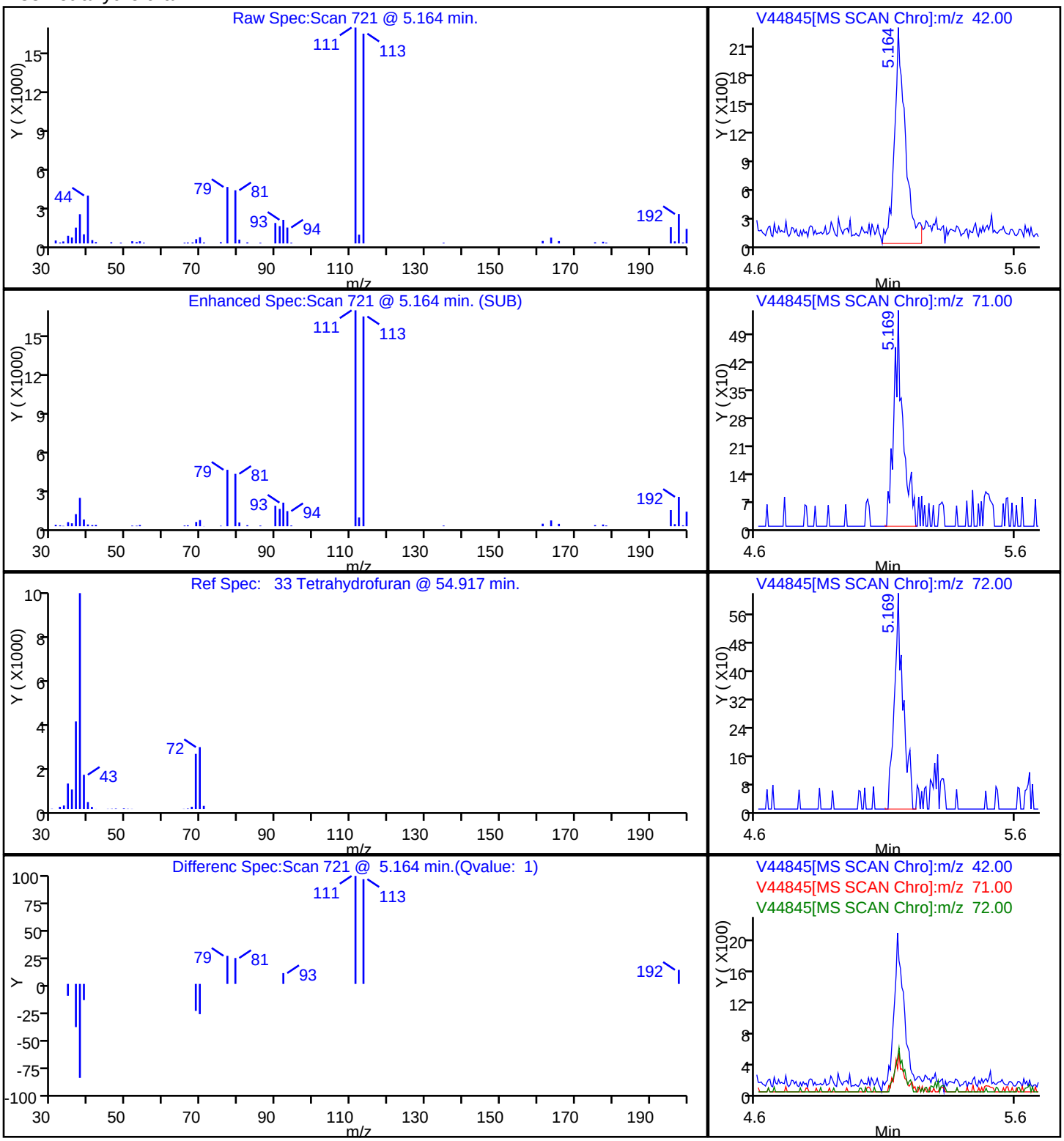
14 Methylene Chloride



Report Date: 10-Sep-2009 11:27:22 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44845.D		
Inj Date:	09-Sep-2009 19:53:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48767	Lims Sample ID:	8
Client ID:	OC-SB-465-8.0/10-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-10-A		
Sample Amount:	1.00	Operator:	CR

33 Tetrahydrofuran



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-0.0/1.0-XXX | Lab Sample ID: 360-24417-11

Matrix: Solid | Lab File ID: V44932.D

Analysis Method: 8260B | Date Collected: 09/02/2009 10:05

Sample wt/vol: 5.46(g) | Date Analyzed: 09/12/2009 16:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 13.3 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.6	1.1
71-55-6	1,1,1-Trichloroethane	ND		2.6	1.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.6	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13	1.1
79-00-5	1,1,2-Trichloroethane	ND		2.6	1.1
75-34-3	1,1-Dichloroethane	ND		2.6	1.1
75-35-4	1,1-Dichloroethene	ND		2.6	1.1
563-58-6	1,1-Dichloropropene	ND		2.6	1.1
87-61-6	1,2,3-Trichlorobenzene	ND		2.6	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.6	1.6
120-82-1	1,2,4-Trichlorobenzene	ND		2.6	1.1
95-63-6	1,2,4-Trimethylbenzene	ND		2.6	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		26	1.9
106-93-4	Ethylene Dibromide	ND		2.6	1.1
95-50-1	1,2-Dichlorobenzene	ND		2.6	1.1
107-06-2	1,2-Dichloroethane	ND		2.6	1.1
67-64-1	Acetone	19	J	260	19
78-87-5	1,2-Dichloropropane	ND		2.6	1.1
108-67-8	1,3,5-Trimethylbenzene	ND		2.6	1.1
541-73-1	1,3-Dichlorobenzene	ND		2.6	1.1
142-28-9	1,3-Dichloropropane	ND		2.6	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.6	1.1
123-91-1	1,4-Dioxane	ND		260	35
594-20-7	2,2-Dichloropropane	ND		2.6	1.1
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.3	1.1
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.3	1.1
95-49-8	2-Chlorotoluene	ND		2.6	1.1
591-78-6	2-Hexanone	ND		26	5.4
106-43-4	4-Chlorotoluene	ND		2.6	1.1
71-43-2	Benzene	ND		2.6	1.1
108-86-1	Bromobenzene	ND		2.6	1.1
74-97-5	Chlorobromomethane	ND		2.6	1.1
75-27-4	Dichlorobromomethane	ND		2.6	1.1
75-25-2	Bromoform	ND		2.6	1.1
74-83-9	Bromomethane	ND		5.3	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-0.0/1.0-XXX | Lab Sample ID: 360-24417-11

Matrix: Solid | Lab File ID: V44932.D

Analysis Method: 8260B | Date Collected: 09/02/2009 10:05

Sample wt/vol: 5.46(g) | Date Analyzed: 09/12/2009 16:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 13.3 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.6	1.1
75-15-0	Carbon disulfide	ND		2.6	1.1
56-23-5	Carbon tetrachloride	ND		2.6	1.1
108-90-7	Chlorobenzene	ND		2.6	1.1
75-00-3	Chloroethane	ND		5.3	1.1
67-66-3	Chloroform	ND		2.6	1.1
74-87-3	Chloromethane	ND		5.3	1.1
156-59-2	cis-1,2-Dichloroethene	ND		2.6	1.1
10061-01-5	cis-1,3-Dichloropropene	ND		2.6	1.1
110-82-7	Cyclohexane	ND		26	2.7
124-48-1	Chlorodibromomethane	ND		2.6	1.1
74-95-3	Dibromomethane	ND		2.6	1.1
75-71-8	Dichlorodifluoromethane	ND	*	5.3	1.1
60-29-7	Ethyl ether	ND		2.6	1.1
108-20-3	Isopropyl ether	ND		2.6	1.1
637-92-3	Tert-butyl ethyl ether	ND		2.6	2.6
100-41-4	Ethylbenzene	ND		2.6	1.1
87-68-3	Hexachlorobutadiene	ND		2.6	1.1
98-82-8	Isopropylbenzene	ND		2.6	1.1
79-20-9	Methyl acetate	ND		53	17
78-93-3	2-Butanone (MEK)	ND		26	7.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	5.4
1634-04-4	Methyl tert-butyl ether	ND		2.6	1.1
108-87-2	Methylcyclohexane	ND		2.6	1.1
75-09-2	Methylene Chloride	ND		11	5.1
136777-61-2	m-Xylene & p-Xylene	ND		5.3	1.1
91-20-3	Naphthalene	ND		26	1.1
103-65-1	N-Propylbenzene	ND		2.6	1.1
95-47-6	o-Xylene	ND		2.6	1.1
99-87-6	4-Isopropyltoluene	ND		2.6	1.1
135-98-8	sec-Butylbenzene	ND		2.6	1.1
100-42-5	Styrene	ND		2.6	1.1
994-05-8	Tert-amyl methyl ether	ND		2.6	1.1
98-06-6	tert-Butylbenzene	ND		2.6	1.1
127-18-4	Tetrachloroethene	ND		2.6	1.1
109-99-9	Tetrahydrofuran	6.9	J	26	5.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-0.0/1.0-XXX | Lab Sample ID: 360-24417-11

Matrix: Solid | Lab File ID: V44932.D

Analysis Method: 8260B | Date Collected: 09/02/2009 10:05

Sample wt/vol: 5.46(g) | Date Analyzed: 09/12/2009 16:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 13.3 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.6	1.1
156-60-5	trans-1,2-Dichloroethene	ND		2.6	1.1
10061-02-6	trans-1,3-Dichloropropene	ND		2.6	1.1
79-01-6	Trichloroethene	ND		2.6	1.1
75-69-4	Trichlorofluoromethane	ND		5.3	1.1
75-01-4	Vinyl chloride	ND		2.6	1.1

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	99	70-130	
1868-53-7	Dibromofluoromethane	89	70-130	
2037-26-5	Toluene-d8 (Surr)	100	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-0.0/1.0-XXX Lab Sample ID: 360-24417-11

Matrix: Solid Lab File ID: V44932.D

Analysis Method: 8260B Date Collected: 09/02/2009 10:05

Sample wt/vol: 5.46(g) Date Analyzed: 09/12/2009 16:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 13.3 Level: (low/med) Low

Analysis Batch No.: 48878 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	16.41	3.0	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44932.D		
Lims ID:	360-24417-D-11-A	Client ID:	OC-SB-468-0.0/1.0-XXX
Inject. Date:	12-Sep-2009 16:54:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-D-11-A		
Misc. Info.:	360-0001152-013		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	48878	Lims Sample ID:	13
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 09:03:04	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 14-Sep-2009 09:05:52

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.640				1
2 Chloromethane	50		1.821				479
3 Vinyl chloride	62		1.919				1
4 Bromomethane	94		2.276				1
5 Chloroethane	64		2.405				1
6 Trichlorofluoromethane	101		2.549				1
7 Ethyl ether	59		2.875				1
8 1,1-Dichloroethene	96		3.066				1
10 Carbon disulfide	76		3.082				7
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.133				1
14 Methylene Chloride	84		3.635				7
15 Acetone	43	3.698	3.692	0.006	9512	3.69	
16 trans-1,2-Dichloroethene	61		3.785				1
17 Methyl acetate	43		3.810				1
19 Methyl tert-butyl ether	73		3.893				1
21 Isopropyl ether	45		4.234				1
22 1,1-Dichloroethane	63		4.348				1
24 Tert-butyl ethyl ether	59		4.560				1
26 cis-1,2-Dichloroethene	61		4.818				1
27 2,2-Dichloropropane	77		4.916				1
28 Cyclohexane	56		4.983				1
29 Chlorobromomethane	130		4.989				1
30 Chloroform	83		5.056				1
32 Carbon tetrachloride	117		5.170				1
33 Tetrahydrofuran	42	5.186	5.190	-0.004	5172	1.32	
$ 35 Dibromofluoromethane	113	5.212	5.211	0.001	90600	17.7	
36 1,1,1-Trichloroethane	97		5.232				1
37 2-Butanone (MEK)	43		5.325				1
38 1,1-Dichloropropene	75		5.335				1
40 Benzene	78		5.547				79
41 Tert-amyl methyl ether	73		5.640				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.662	5.666	-0.004	19904	20.0	
43 1,2-Dichloroethane	62		5.722				479
* 44 Fluorobenzene	96	5.889	5.893	-0.004	439101	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.914				
47 Methylcyclohexane	83		6.017				1
48 Trichloroethene	95		6.022				1
49 2,4,4-Trimethyl-2-pentene	112	6.044	6.048	-0.004	656	0.1596	
50 Dibromomethane	93		6.368				1
51 1,2-Dichloropropane	63		6.451				1
52 Dichlorobromomethane	83		6.493				1
54 1,4-Dioxane	88		6.653				1
57 cis-1,3-Dichloropropene	75		6.994				1
$ 58 Toluene-d8 (Surr)	98	7.134	7.138	-0.004	391147	20.1	
59 Toluene	92		7.175				1
60 Tetrachloroethene	164		7.469				1
61 4-Methyl-2-pentanone (MIBK)	43		7.469				1
62 trans-1,3-Dichloropropene	75		7.495				1
64 1,1,2-Trichloroethane	83		7.619				1
65 Chlorodibromomethane	129		7.759				1
66 1,3-Dichloropropane	76		7.831				1
67 Ethylene Dibromide	107		7.945				1
69 2-Hexanone	43		8.105				1
* 70 Chlorobenzene-d5	117	8.328	8.332	-0.004	263107	20.0	
71 Chlorobenzene	112		8.343				1
72 Ethylbenzene	91		8.358				1
73 1,1,1,2-Tetrachloroethane	131		8.389				1
74 m-Xylene & p-Xylene	91		8.467				1
75 o-Xylene	91		8.803				1
76 Styrene	104		8.839				47
77 Bromoform	173		8.865				1
78 Isopropylbenzene	105		9.040				1
$ 80 4-Bromofluorobenzene	95	9.264	9.262	0.002	149907	19.9	
81 Bromobenzene	77		9.350				1
82 N-Propylbenzene	91		9.361				1
83 1,1,2,2-Tetrachloroethane	83		9.412				1
84 2-Chlorotoluene	91		9.485				1
85 1,3,5-Trimethylbenzene	105		9.511				1
86 1,2,3-Trichloropropane	110		9.526				1
88 4-Chlorotoluene	91		9.614				1
89 tert-Butylbenzene	119		9.759				1
90 1,2,4-Trimethylbenzene	105		9.815				1
91 sec-Butylbenzene	105		9.898				1
92 4-Isopropyltoluene	119		10.007				1
93 1,3-Dichlorobenzene	146		10.079				1
* 94 1,4-Dichlorobenzene-d4	152	10.137	10.136	0.001	122593	20.0	
95 1,4-Dichlorobenzene	146		10.146				1
96 n-Butylbenzene	91		10.353				1
97 1,2-Dichlorobenzene	146		10.508				1
98 1,2-Dibromo-3-Chloropropane	157		11.278				1
100 Hexachlorobutadiene	225		12.032				1
101 1,2,4-Trichlorobenzene	180		12.084				1
102 Naphthalene	128		12.549				1

Report Date: 14-Sep-2009 09:05:52 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44932.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.823				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44932.D		
Lims ID:	360-24417-D-11-A	Client ID:	OC-SB-468-0.0/1.0-XXX
Inject. Date:	12-Sep-2009 16:54:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-D-11-A		
Misc. Info.:	360-0001152-013		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	48878	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 09:03:04	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	14-Sep-2009 09:05:52

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
16.411	26606	0.5630	94			

Quantitation Compounds

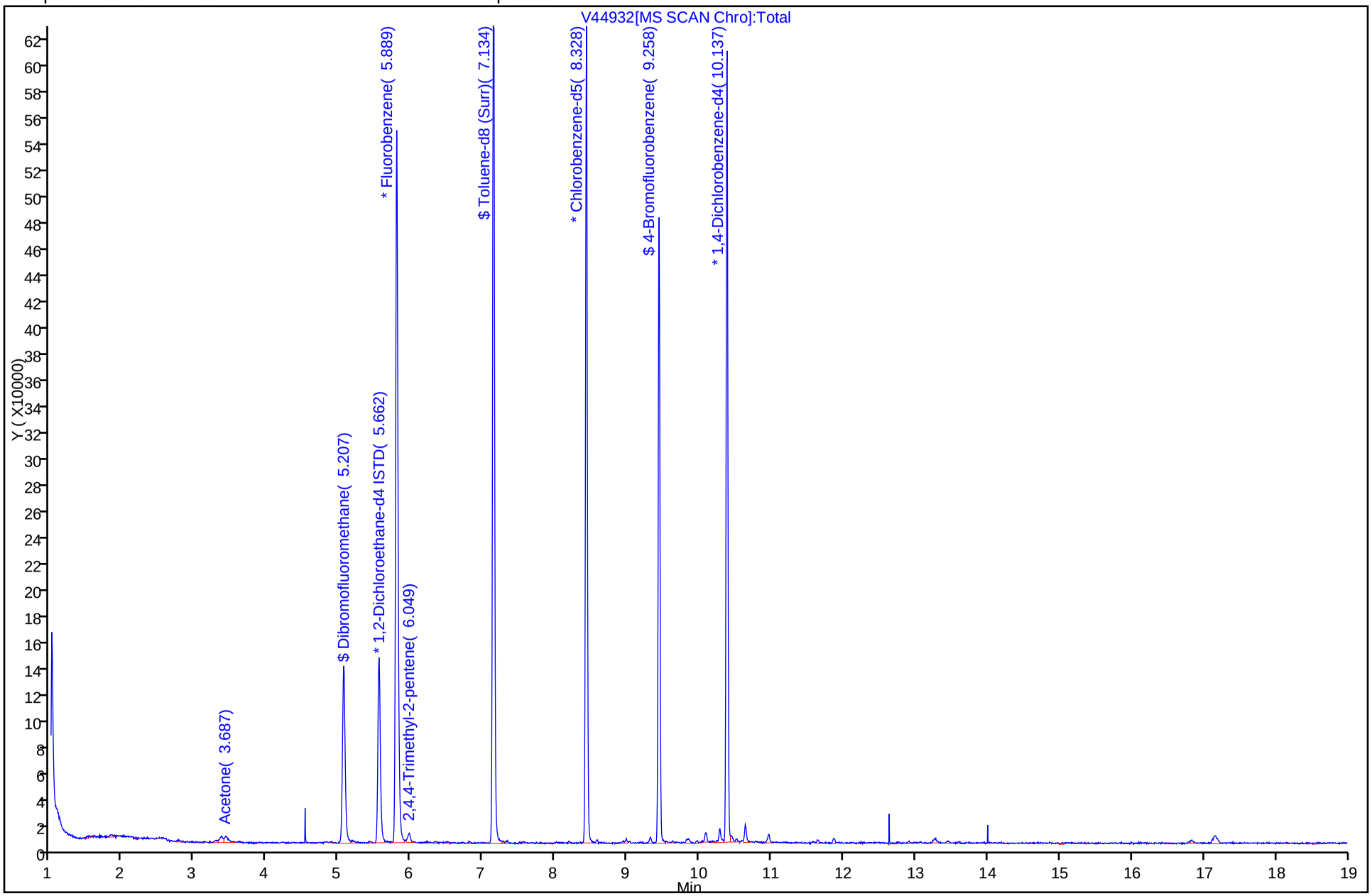
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.137	945185	20.0

QC Flag Legend

Processing Flags

Report Date: 14-Sep-2009 09:05:52 Chrom Revision: 1.0.2009.910

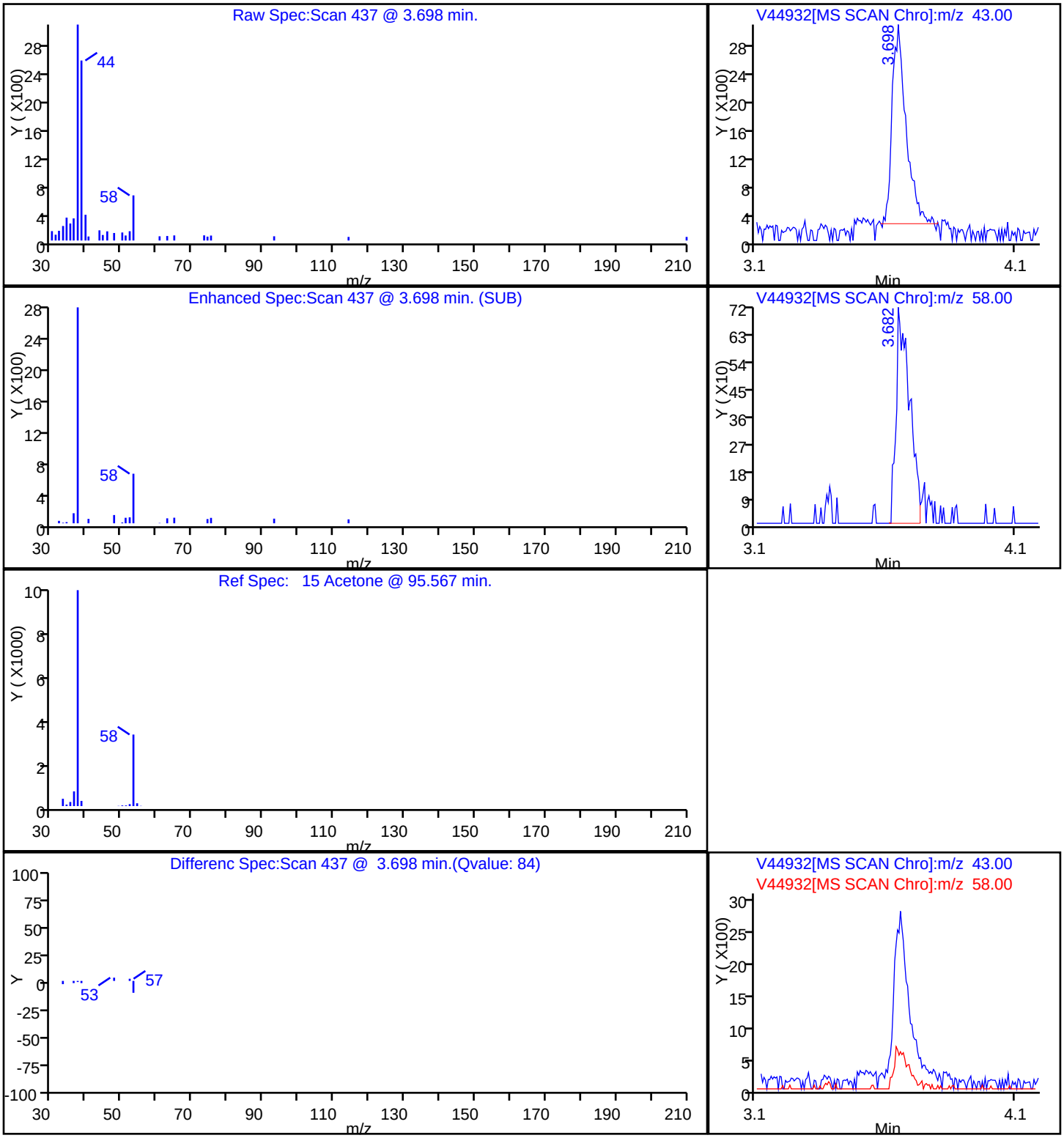
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44932.D		
Inj Date:	12-Sep-2009 16:54:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	13
Client ID:	OC-SB-468-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-D-11-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 14-Sep-2009 09:05:53 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44932.D		
Inj Date:	12-Sep-2009 16:54:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	13
Client ID:	OC-SB-468-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-D-11-A		
Sample Amount:	1.00	Operator:	CR

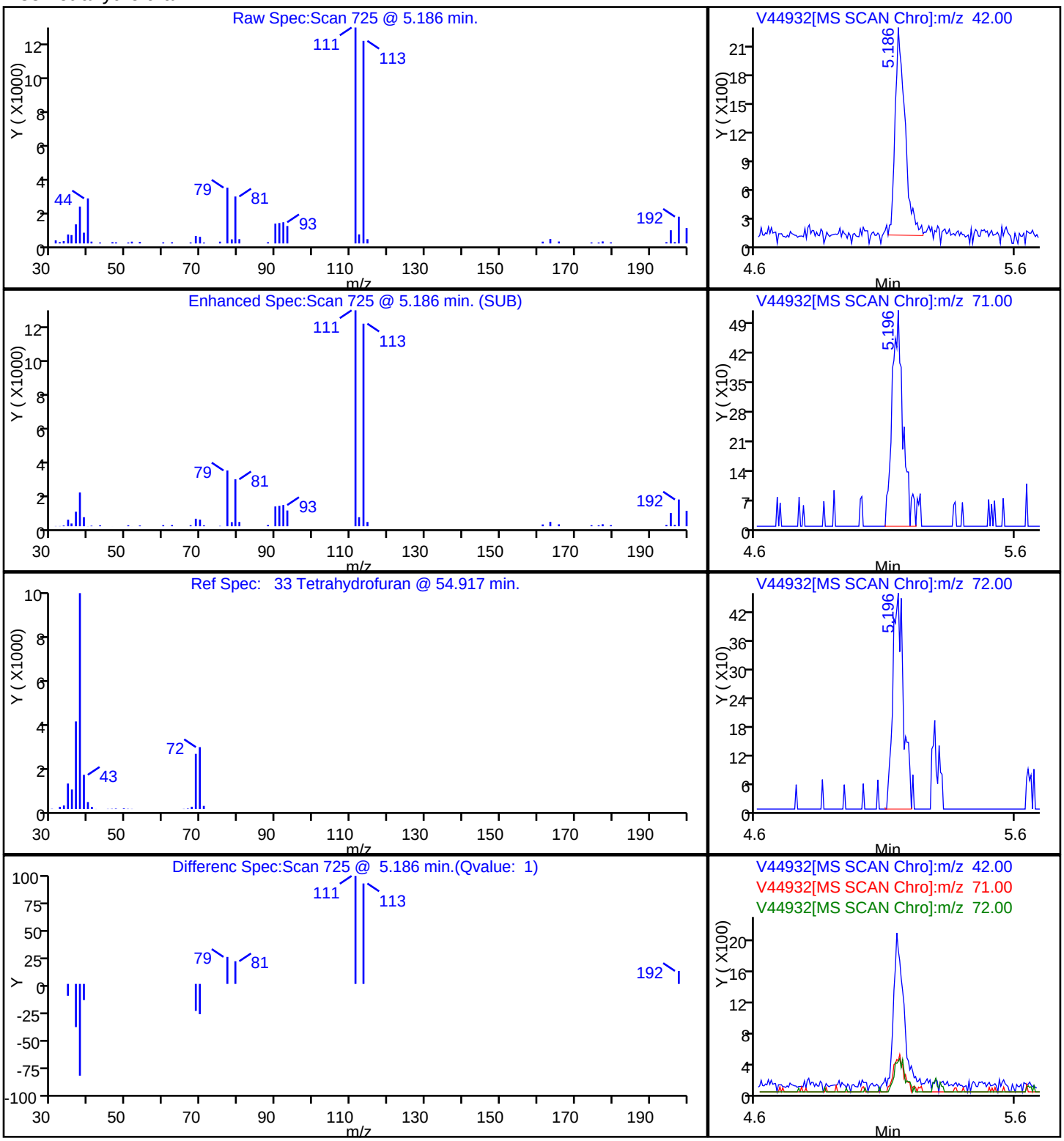
15 Acetone



Report Date: 14-Sep-2009 09:05:53 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44932.D		
Inj Date:	12-Sep-2009 16:54:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	13
Client ID:	OC-SB-468-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-D-11-A		
Sample Amount:	1.00	Operator:	CR

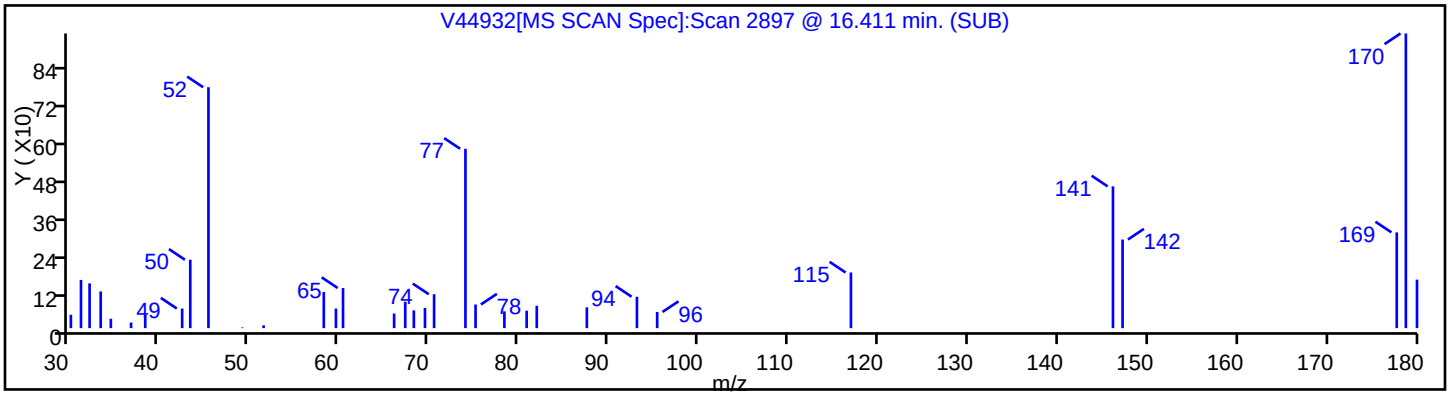
33 Tetrahydrofuran



Report Date: 14-Sep-2009 09:05:53 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44932.D		
Inj Date:	12-Sep-2009 16:54:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	13
Client ID:	OC-SB-468-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-D-11-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-8.0/10-XXX | Lab Sample ID: 360-24417-13

Matrix: Solid | Lab File ID: V44813.D

Analysis Method: 8260B | Date Collected: 09/02/2009 10:10

Sample wt/vol: 5.74(g) | Date Analyzed: 09/09/2009 02:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 12.8 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.0
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.0
75-35-4	1,1-Dichloroethene	ND		2.5	1.0
563-58-6	1,1-Dichloropropene	ND		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
67-64-1	Acetone	ND		250	18
78-87-5	1,2-Dichloropropane	ND		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.0
95-49-8	2-Chlorotoluene	ND		2.5	1.0
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	1.0
71-43-2	Benzene	ND		2.5	1.0
108-86-1	Bromobenzene	ND		2.5	1.0
74-97-5	Chlorobromomethane	ND		2.5	1.0
75-27-4	Dichlorobromomethane	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.0
74-83-9	Bromomethane	ND		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-8.0/10-XXX | Lab Sample ID: 360-24417-13

Matrix: Solid | Lab File ID: V44813.D

Analysis Method: 8260B | Date Collected: 09/02/2009 10:10

Sample wt/vol: 5.74(g) | Date Analyzed: 09/09/2009 02:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 12.8 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	1.0
75-15-0	Carbon disulfide	ND		2.5	1.0
56-23-5	Carbon tetrachloride	ND		2.5	1.0
108-90-7	Chlorobenzene	ND		2.5	1.0
75-00-3	Chloroethane	ND		5.0	1.0
67-66-3	Chloroform	ND		2.5	1.0
74-87-3	Chloromethane	ND		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.0
75-71-8	Dichlorodifluoromethane	ND	*	5.0	1.0
60-29-7	Ethyl ether	ND		2.5	1.0
108-20-3	Isopropyl ether	ND		2.5	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	1.0
87-68-3	Hexachlorobutadiene	ND		2.5	1.0
98-82-8	Isopropylbenzene	ND		2.5	1.0
79-20-9	Methyl acetate	ND		50	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.2
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.0
108-87-2	Methylcyclohexane	ND		2.5	1.0
75-09-2	Methylene Chloride	ND		10	4.8
136777-61-2	m-Xylene & p-Xylene	ND		5.0	1.0
91-20-3	Naphthalene	ND		25	1.0
103-65-1	N-Propylbenzene	ND		2.5	1.0
95-47-6	o-Xylene	ND		2.5	1.0
99-87-6	4-Isopropyltoluene	ND		2.5	1.0
135-98-8	sec-Butylbenzene	ND		2.5	1.0
100-42-5	Styrene	ND		2.5	1.0
994-05-8	Tert-amyl methyl ether	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.0
127-18-4	Tetrachloroethene	ND		2.5	1.0
109-99-9	Tetrahydrofuran	ND		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-8.0/10-XXX | Lab Sample ID: 360-24417-13

Matrix: Solid | Lab File ID: V44813.D

Analysis Method: 8260B | Date Collected: 09/02/2009 10:10

Sample wt/vol: 5.74(g) | Date Analyzed: 09/09/2009 02:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 12.8 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
79-01-6	Trichloroethene	ND		2.5	1.0
75-69-4	Trichlorofluoromethane	ND		5.0	1.0
75-01-4	Vinyl chloride	ND		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	107	70-130	
1868-53-7	Dibromofluoromethane	102	70-130	
2037-26-5	Toluene-d8 (Surr)	98	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-8.0/10-XXX Lab Sample ID: 360-24417-13

Matrix: Solid Lab File ID: V44813.D

Analysis Method: 8260B Date Collected: 09/02/2009 10:10

Sample wt/vol: 5.74(g) Date Analyzed: 09/09/2009 02:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 12.8 Level: (low/med) Low

Analysis Batch No.: 48711 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 6.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	12.81	6.5	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44813.D		
Lims ID:	360-24417-C-13-A	Client ID:	OC-SB-468-8.0/10-XXX
Inject. Date:	09-Sep-2009 02:04:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-13-A		
Misc. Info.:	360-0001108-017		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	28
Lims Batch ID:	48711	Lims Sample ID:	17
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:53:20	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 09-Sep-2009 11:03:01

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.639				1
2 Chloromethane	50		1.819				79
3 Vinyl chloride	62		1.922				1
4 Bromomethane	94		2.269				479
5 Chloroethane	64		2.403				1
6 Trichlorofluoromethane	101		2.553				1
7 Ethyl ether	59		2.868				1
8 1,1-Dichloroethene	96		3.065				1
10 Carbon disulfide	76		3.080				479
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.132				1
14 Methylene Chloride	84		3.628				7
15 Acetone	43	3.671	3.685	-0.014	6347	0.7323	
16 trans-1,2-Dichloroethene	61		3.778				1
17 Methyl acetate	43		3.804				1
19 Methyl tert-butyl ether	73		3.886				1
21 Isopropyl ether	45		4.227				1
22 1,1-Dichloroethane	63		4.341				1
24 Tert-butyl ethyl ether	59		4.553				1
26 cis-1,2-Dichloroethene	61		4.811				1
27 2,2-Dichloropropane	77		4.910				1
28 Cyclohexane	56		4.977				1
29 Chlorobromomethane	130		4.982				1
30 Chloroform	83		5.044				1
32 Carbon tetrachloride	117		5.163				1
33 Tetrahydrofuran	42		5.178				
$ 35 Dibromofluoromethane	113	5.196	5.204	-0.008	106635	20.4	
36 1,1,1-Trichloroethane	97		5.225				1
37 2-Butanone (MEK)	43		5.318				1
38 1,1-Dichloropropene	75		5.328				1
40 Benzene	78		5.540				7
41 Tert-amyl methyl ether	73		5.633				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.651	5.659	-0.008	19451	20.0	
43 1,2-Dichloroethane	62		5.711				479
* 44 Fluorobenzene	96	5.878	5.886	-0.008	449643	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.907				
47 Methylcyclohexane	83		6.010				1
48 Trichloroethene	95		6.015				1
49 2,4,4-Trimethyl-2-pentene	112		6.046				1
50 Dibromomethane	93		6.362				1
51 1,2-Dichloropropane	63		6.444				1
52 Dichlorobromomethane	83		6.486				1
54 1,4-Dioxane	88		6.651				1
57 cis-1,3-Dichloropropene	75		6.987				1
$ 58 Toluene-d8 (Surr)	98	7.123	7.132	-0.009	392533	19.7	
59 Toluene	92		7.173				1
60 Tetrachloroethene	164		7.462				1
61 4-Methyl-2-pentanone (MIBK)	43		7.462				1
62 trans-1,3-Dichloropropene	75		7.488				1
64 1,1,2-Trichloroethane	83		7.617				1
65 Chlorodibromomethane	129		7.752				1
66 1,3-Dichloropropane	76		7.829				1
67 Ethylene Dibromide	107		7.943				1
69 2-Hexanone	43		8.103				1
* 70 Chlorobenzene-d5	117	8.317	8.325	-0.008	266412	20.0	
71 Chlorobenzene	112		8.341				1
72 Ethylbenzene	91		8.356				1
73 1,1,1,2-Tetrachloroethane	131		8.387				1
74 m-Xylene & p-Xylene	91		8.465				1
75 o-Xylene	91		8.796				1
76 Styrene	104		8.837				479
77 Bromoform	173		8.863				1
78 Isopropylbenzene	105		9.039				1
$ 80 4-Bromofluorobenzene	95	9.253	9.261	-0.008	162822	21.3	
81 Bromobenzene	77		9.349				1
82 N-Propylbenzene	91		9.359				1
83 1,1,2,2-Tetrachloroethane	83		9.411				1
84 2-Chlorotoluene	91		9.483				1
85 1,3,5-Trimethylbenzene	105		9.509				1
86 1,2,3-Trichloropropane	110		9.524				1
88 4-Chlorotoluene	91		9.617				1
89 tert-Butylbenzene	119		9.762				1
90 1,2,4-Trimethylbenzene	105		9.814				1
91 sec-Butylbenzene	105		9.897				1
92 4-Isopropyltoluene	119		10.010				1
93 1,3-Dichlorobenzene	146		10.077				479
* 94 1,4-Dichlorobenzene-d4	152	10.131	10.134	-0.003	132455	20.0	
95 1,4-Dichlorobenzene	146		10.150				479
96 n-Butylbenzene	91		10.351				1
97 1,2-Dichlorobenzene	146		10.506				1
98 1,2-Dibromo-3-Chloropropane	157		11.287				1
100 Hexachlorobutadiene	225		12.036				1
101 1,2,4-Trichlorobenzene	180		12.083				1
102 Naphthalene	128		12.553				1

Report Date: 09-Sep-2009 11:03:01 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44813.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.827				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44813.D		
Lims ID:	360-24417-C-13-A	Client ID:	OC-SB-468-8.0/10-XXX
Inject. Date:	09-Sep-2009 02:04:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-13-A		
Misc. Info.:	360-0001108-017		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	28
Lims Batch ID:	48711	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:53:20	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	09-Sep-2009 11:03:01

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
12.808	66311	1.29	94			

Quantitation Compounds

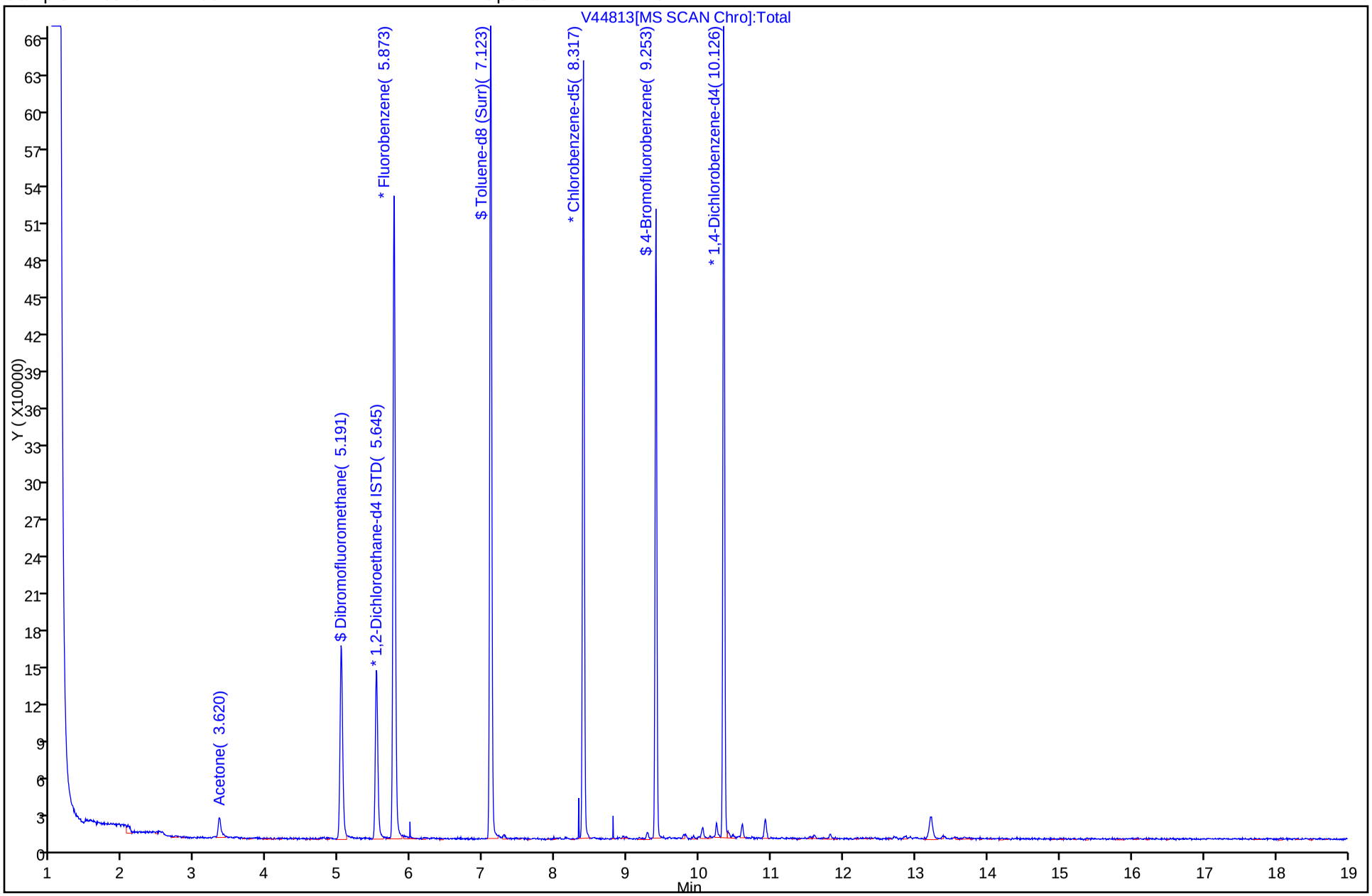
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.126	1026554	20.0

QC Flag Legend

Processing Flags

Report Date: 09-Sep-2009 11:03:01 Chrom Revision: 1.0.2009.827

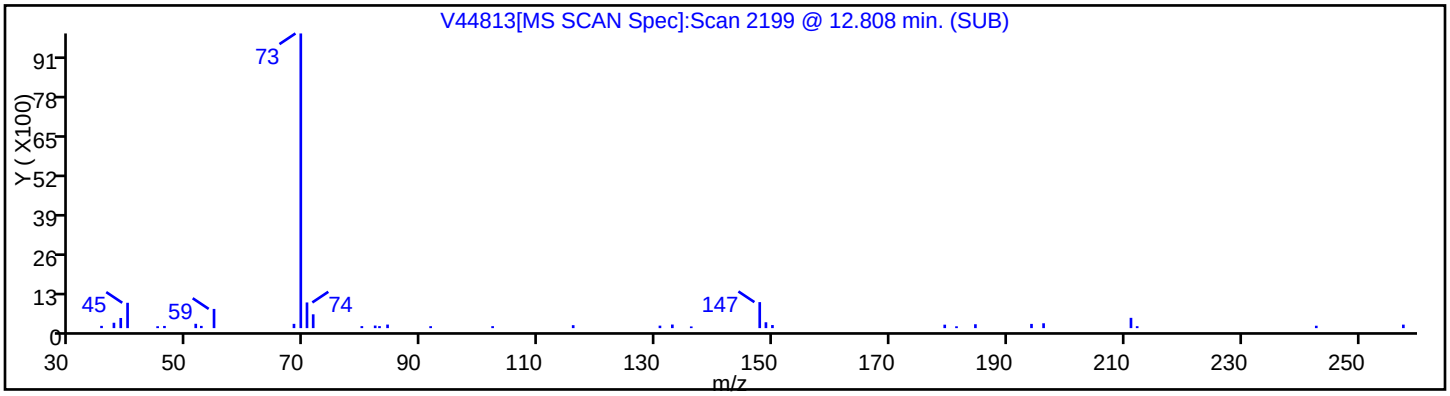
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44813.D		
Inj Date:	09-Sep-2009 02:04:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48711	Lims Sample ID:	17
Client ID:	OC-SB-468-8.0/10-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-13-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 09-Sep-2009 11:03:01 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44813.D		
Inj Date:	09-Sep-2009 02:04:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48711	Lims Sample ID:	17
Client ID:	OC-SB-468-8.0/10-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-13-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-0.0/1.0-XXX | Lab Sample ID: 360-24417-14

Matrix: Solid | Lab File ID: V44933.D

Analysis Method: 8260B | Date Collected: 09/02/2009 13:15

Sample wt/vol: 5.52(g) | Date Analyzed: 09/12/2009 17:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.3 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	0.99
71-55-6	1,1,1-Trichloroethane	ND		2.5	0.99
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	0.99
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	0.99
79-00-5	1,1,2-Trichloroethane	ND		2.5	0.99
75-34-3	1,1-Dichloroethane	ND		2.5	0.99
75-35-4	1,1-Dichloroethene	ND		2.5	0.99
563-58-6	1,1-Dichloropropene	ND		2.5	0.99
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	0.99
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	0.99
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	0.99
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	0.99
95-50-1	1,2-Dichlorobenzene	ND		2.5	0.99
107-06-2	1,2-Dichloroethane	ND		2.5	0.99
67-64-1	Acetone	ND		250	18
78-87-5	1,2-Dichloropropane	ND		2.5	0.99
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	0.99
541-73-1	1,3-Dichlorobenzene	ND		2.5	0.99
142-28-9	1,3-Dichloropropane	ND		2.5	0.99
106-46-7	1,4-Dichlorobenzene	ND		2.5	0.99
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	0.99
107-39-1	2,4,4-Trimethyl-1-pentene	ND		4.9	0.99
107-40-4	2,4,4-Trimethyl-2-pentene	ND		4.9	0.99
95-49-8	2-Chlorotoluene	ND		2.5	0.99
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	0.99
71-43-2	Benzene	ND		2.5	0.99
108-86-1	Bromobenzene	ND		2.5	0.99
74-97-5	Chlorobromomethane	ND		2.5	0.99
75-27-4	Dichlorobromomethane	ND		2.5	0.99
75-25-2	Bromoform	ND		2.5	0.99
74-83-9	Bromomethane	ND		4.9	0.99

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-0.0/1.0-XXX | Lab Sample ID: 360-24417-14

Matrix: Solid | Lab File ID: V44933.D

Analysis Method: 8260B | Date Collected: 09/02/2009 13:15

Sample wt/vol: 5.52(g) | Date Analyzed: 09/12/2009 17:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.3 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	0.99
75-15-0	Carbon disulfide	ND		2.5	0.99
56-23-5	Carbon tetrachloride	ND		2.5	0.99
108-90-7	Chlorobenzene	ND		2.5	0.99
75-00-3	Chloroethane	ND		4.9	0.99
67-66-3	Chloroform	ND		2.5	0.99
74-87-3	Chloromethane	ND		4.9	0.99
156-59-2	cis-1,2-Dichloroethene	ND		2.5	0.99
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	0.99
110-82-7	Cyclohexane	ND		25	2.5
124-48-1	Chlorodibromomethane	ND		2.5	0.99
74-95-3	Dibromomethane	ND		2.5	0.99
75-71-8	Dichlorodifluoromethane	ND	*	4.9	0.99
60-29-7	Ethyl ether	ND		2.5	0.99
108-20-3	Isopropyl ether	ND		2.5	0.99
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	0.99
87-68-3	Hexachlorobutadiene	ND		2.5	0.99
98-82-8	Isopropylbenzene	ND		2.5	0.99
79-20-9	Methyl acetate	ND		49	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.1
1634-04-4	Methyl tert-butyl ether	ND		2.5	0.99
108-87-2	Methylcyclohexane	ND		2.5	0.99
75-09-2	Methylene Chloride	ND		9.9	4.8
136777-61-2	m-Xylene & p-Xylene	ND		4.9	0.99
91-20-3	Naphthalene	ND		25	0.99
103-65-1	N-Propylbenzene	ND		2.5	0.99
95-47-6	o-Xylene	ND		2.5	0.99
99-87-6	4-Isopropyltoluene	ND		2.5	0.99
135-98-8	sec-Butylbenzene	ND		2.5	0.99
100-42-5	Styrene	ND		2.5	0.99
994-05-8	Tert-amyl methyl ether	ND		2.5	0.99
98-06-6	tert-Butylbenzene	ND		2.5	0.99
127-18-4	Tetrachloroethene	ND		2.5	0.99
109-99-9	Tetrahydrofuran	ND		25	5.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-0.0/1.0-XXX | Lab Sample ID: 360-24417-14

Matrix: Solid | Lab File ID: V44933.D

Analysis Method: 8260B | Date Collected: 09/02/2009 13:15

Sample wt/vol: 5.52(g) | Date Analyzed: 09/12/2009 17:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.3 | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	0.99
156-60-5	trans-1,2-Dichloroethene	ND		2.5	0.99
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	0.99
79-01-6	Trichloroethene	ND		2.5	0.99
75-69-4	Trichlorofluoromethane	ND		4.9	0.99
75-01-4	Vinyl chloride	ND		2.5	0.99

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	97	70-130	
1868-53-7	Dibromofluoromethane	96	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-0.0/1.0-XXX Lab Sample ID: 360-24417-14

Matrix: Solid Lab File ID: V44933.D

Analysis Method: 8260B Date Collected: 09/02/2009 13:15

Sample wt/vol: 5.52(g) Date Analyzed: 09/12/2009 17:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.3 Level: (low/med) Low

Analysis Batch No.: 48878 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 5.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.37	5.3	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44933.D		
Lims ID:	360-24417-C-14-A	Client ID:	OC-SB-471-0.0/1.0-XXX
Inject. Date:	12-Sep-2009 17:18:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-14-A		
Misc. Info.:	360-0001152-014		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	48878	Lims Sample ID:	14
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 09:03:04	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	14-Sep-2009 09:06:24

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.640				1
2 Chloromethane	50		1.821				479
3 Vinyl chloride	62		1.919				1
4 Bromomethane	94		2.276				1
5 Chloroethane	64		2.405				1
6 Trichlorofluoromethane	101		2.549				1
7 Ethyl ether	59		2.875				1
8 1,1-Dichloroethene	96		3.066				1
10 Carbon disulfide	76		3.082				79
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.133				1
14 Methylene Chloride	84		3.635				7
15 Acetone	43		3.692				7
16 trans-1,2-Dichloroethene	61		3.785				1
17 Methyl acetate	43		3.810				1
19 Methyl tert-butyl ether	73		3.893				1
21 Isopropyl ether	45		4.234				1
22 1,1-Dichloroethane	63		4.348				1
24 Tert-butyl ethyl ether	59		4.560				1
26 cis-1,2-Dichloroethene	61		4.818				1
27 2,2-Dichloropropane	77		4.916				1
28 Cyclohexane	56		4.983				1
29 Chlorobromomethane	130		4.989				1
30 Chloroform	83		5.056				1
32 Carbon tetrachloride	117		5.170				1
33 Tetrahydrofuran	42		5.190				
$ 35 Dibromofluoromethane	113	5.211	5.211	0.000	107648	19.2	
36 1,1,1-Trichloroethane	97		5.232				1
37 2-Butanone (MEK)	43		5.325				1
38 1,1-Dichloropropene	75		5.335				1
40 Benzene	78		5.547				7
41 Tert-amyl methyl ether	73		5.640				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.666	5.666	0.000	20436	20.0	
43 1,2-Dichloroethane	62		5.722				1
* 44 Fluorobenzene	96	5.888	5.893	-0.005	482484	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.914				
47 Methylcyclohexane	83		6.017				1
48 Trichloroethene	95		6.022				1
49 2,4,4-Trimethyl-2-pentene	112		6.048				1
50 Dibromomethane	93		6.368				1
51 1,2-Dichloropropane	63		6.451				1
52 Dichlorobromomethane	83		6.493				1
54 1,4-Dioxane	88		6.653				1
57 cis-1,3-Dichloropropene	75		6.994				1
$ 58 Toluene-d8 (Surr)	98	7.133	7.138	-0.005	434661	20.3	
59 Toluene	92		7.175				1
60 Tetrachloroethene	164		7.469				1
61 4-Methyl-2-pentanone (MIBK)	43		7.469				1
62 trans-1,3-Dichloropropene	75		7.495				1
64 1,1,2-Trichloroethane	83		7.619				1
65 Chlorodibromomethane	129		7.759				1
66 1,3-Dichloropropane	76		7.831				1
67 Ethylene Dibromide	107		7.945				1
69 2-Hexanone	43		8.105				1
* 70 Chlorobenzene-d5	117	8.327	8.332	-0.005	283962	20.0	
71 Chlorobenzene	112		8.343				1
72 Ethylbenzene	91		8.358				1
73 1,1,1,2-Tetrachloroethane	131		8.389				1
74 m-Xylene & p-Xylene	91		8.467				1
75 o-Xylene	91		8.803				1
76 Styrene	104		8.839				47
77 Bromoform	173		8.865				1
78 Isopropylbenzene	105		9.040				1
$ 80 4-Bromofluorobenzene	95	9.263	9.262	0.001	157131	19.3	
81 Bromobenzene	77		9.350				1
82 N-Propylbenzene	91		9.361				1
83 1,1,2,2-Tetrachloroethane	83		9.412				1
84 2-Chlorotoluene	91		9.485				1
85 1,3,5-Trimethylbenzene	105		9.511				1
86 1,2,3-Trichloropropane	110		9.526				1
88 4-Chlorotoluene	91		9.614				1
89 tert-Butylbenzene	119		9.759				1
90 1,2,4-Trimethylbenzene	105		9.815				1
91 sec-Butylbenzene	105		9.898				1
92 4-Isopropyltoluene	119		10.007				1
93 1,3-Dichlorobenzene	146		10.079				1
* 94 1,4-Dichlorobenzene-d4	152	10.136	10.136	0.000	122890	20.0	
95 1,4-Dichlorobenzene	146		10.146				479
96 n-Butylbenzene	91		10.353				1
97 1,2-Dichlorobenzene	146		10.508				1
98 1,2-Dibromo-3-Chloropropane	157		11.278				1
100 Hexachlorobutadiene	225		12.032				1
101 1,2,4-Trichlorobenzene	180		12.084				1
102 Naphthalene	128		12.549				1

Report Date: 14-Sep-2009 09:06:24 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44933.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.823				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44933.D		
Lims ID:	360-24417-C-14-A	Client ID:	OC-SB-471-0.0/1.0-XXX
Inject. Date:	12-Sep-2009 17:18:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-14-A		
Misc. Info.:	360-0001152-014		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	48878	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 09:03:04	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	14-Sep-2009 09:06:24

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.374	49902	1.08	94			

Quantitation Compounds

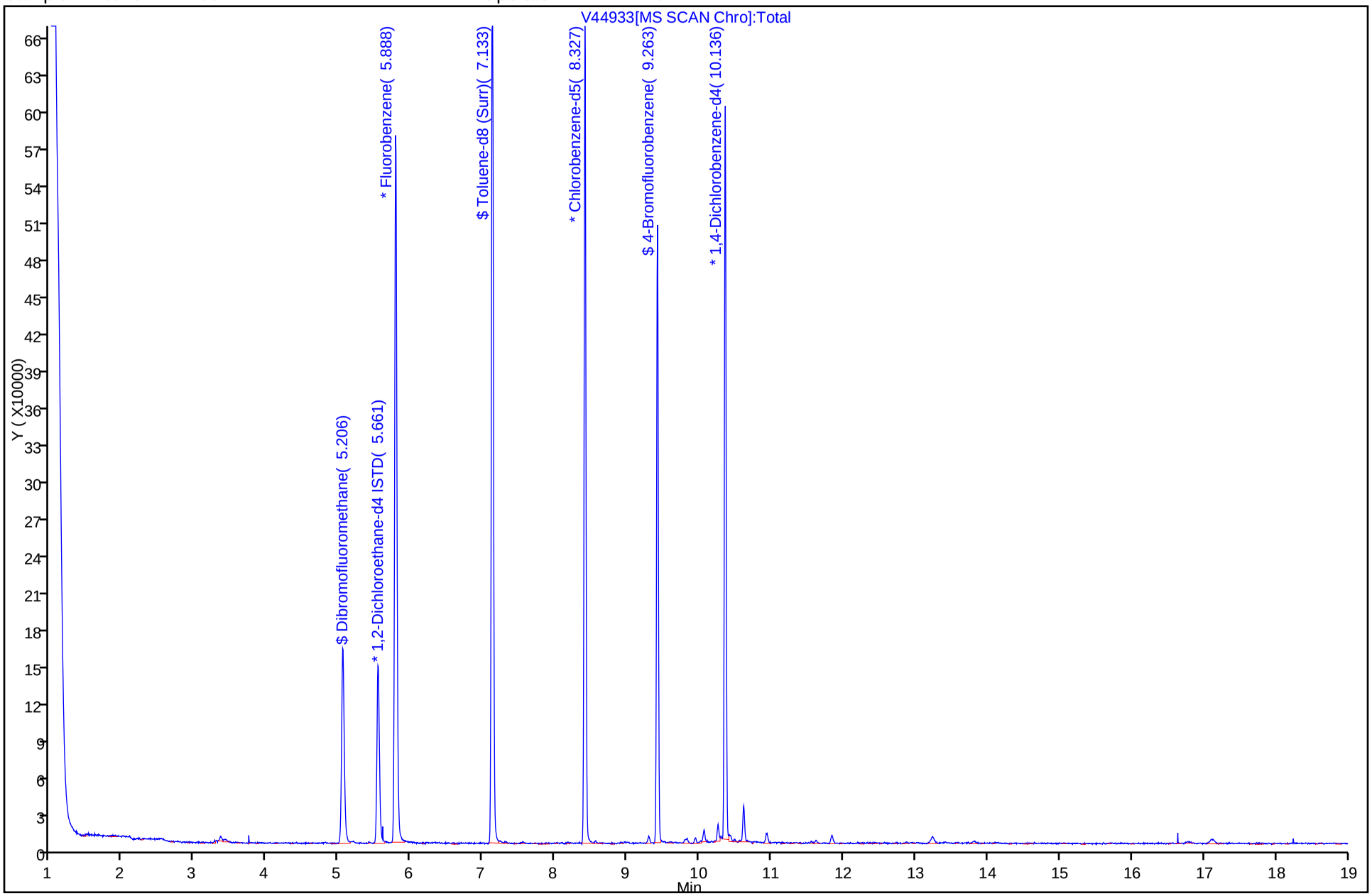
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.136	923306	20.0

QC Flag Legend

Processing Flags

Report Date: 14-Sep-2009 09:06:25 Chrom Revision: 1.0.2009.910

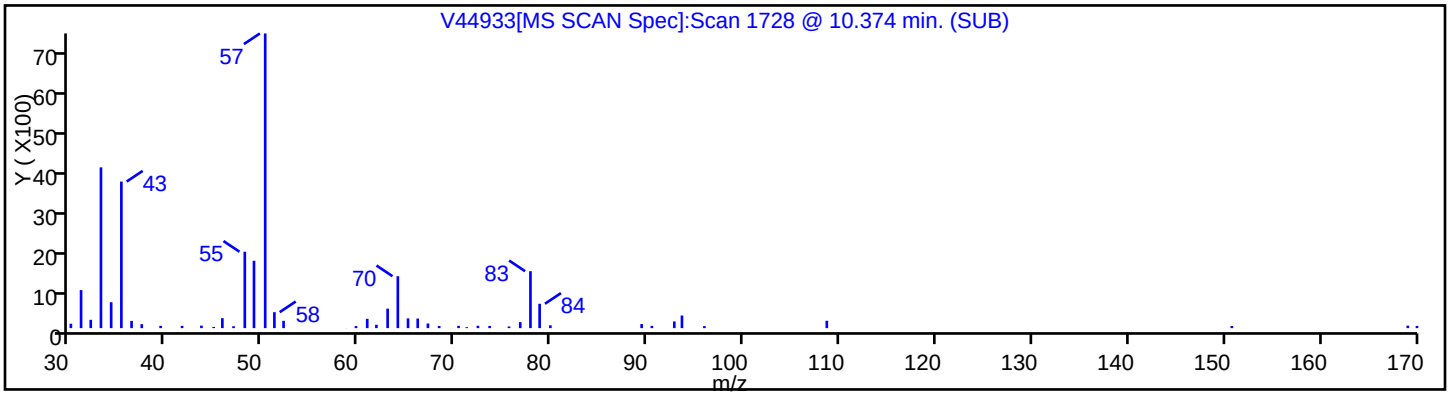
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44933.D		
Inj Date:	12-Sep-2009 17:18:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	14
Client ID:	OC-SB-471-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-14-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 14-Sep-2009 09:06:25 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44933.D		
Inj Date:	12-Sep-2009 17:18:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	14
Client ID:	OC-SB-471-0.0/1.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-14-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-3.0/5.0-XXX | Lab Sample ID: 360-24417-15

Matrix: Solid | Lab File ID: V44814.D

Analysis Method: 8260B | Date Collected: 09/02/2009 13:30

Sample wt/vol: 6.71(g) | Date Analyzed: 09/09/2009 02:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 18.9 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.3	0.92
71-55-6	1,1,1-Trichloroethane	ND		2.3	0.92
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.3	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	0.92
79-00-5	1,1,2-Trichloroethane	ND		2.3	0.92
75-34-3	1,1-Dichloroethane	ND		2.3	0.92
75-35-4	1,1-Dichloroethene	ND		2.3	0.92
563-58-6	1,1-Dichloropropene	ND		2.3	0.92
87-61-6	1,2,3-Trichlorobenzene	ND		2.3	0.92
96-18-4	1,2,3-Trichloropropane	ND		2.3	1.4
120-82-1	1,2,4-Trichlorobenzene	ND		2.3	0.92
95-63-6	1,2,4-Trimethylbenzene	ND		2.3	0.92
96-12-8	1,2-Dibromo-3-Chloropropane	ND		23	1.7
106-93-4	Ethylene Dibromide	ND		2.3	0.92
95-50-1	1,2-Dichlorobenzene	ND		2.3	0.92
107-06-2	1,2-Dichloroethane	ND		2.3	0.92
67-64-1	Acetone	ND		230	16
78-87-5	1,2-Dichloropropane	ND		2.3	0.92
108-67-8	1,3,5-Trimethylbenzene	ND		2.3	0.92
541-73-1	1,3-Dichlorobenzene	ND		2.3	0.92
142-28-9	1,3-Dichloropropane	ND		2.3	0.92
106-46-7	1,4-Dichlorobenzene	ND		2.3	0.92
123-91-1	1,4-Dioxane	ND		230	30
594-20-7	2,2-Dichloropropane	ND		2.3	0.92
107-39-1	2,4,4-Trimethyl-1-pentene	ND		4.6	0.92
107-40-4	2,4,4-Trimethyl-2-pentene	ND		4.6	0.92
95-49-8	2-Chlorotoluene	ND		2.3	0.92
591-78-6	2-Hexanone	ND		23	4.7
106-43-4	4-Chlorotoluene	ND		2.3	0.92
71-43-2	Benzene	ND		2.3	0.92
108-86-1	Bromobenzene	ND		2.3	0.92
74-97-5	Chlorobromomethane	ND		2.3	0.92
75-27-4	Dichlorobromomethane	ND		2.3	0.92
75-25-2	Bromoform	ND		2.3	0.92
74-83-9	Bromomethane	ND		4.6	0.92

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-3.0/5.0-XXX | Lab Sample ID: 360-24417-15

Matrix: Solid | Lab File ID: V44814.D

Analysis Method: 8260B | Date Collected: 09/02/2009 13:30

Sample wt/vol: 6.71(g) | Date Analyzed: 09/09/2009 02:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 18.9 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.3	0.92
75-15-0	Carbon disulfide	ND		2.3	0.92
56-23-5	Carbon tetrachloride	ND		2.3	0.92
108-90-7	Chlorobenzene	ND		2.3	0.92
75-00-3	Chloroethane	ND		4.6	0.92
67-66-3	Chloroform	ND		2.3	0.92
74-87-3	Chloromethane	ND		4.6	0.92
156-59-2	cis-1,2-Dichloroethene	ND		2.3	0.92
10061-01-5	cis-1,3-Dichloropropene	ND		2.3	0.92
110-82-7	Cyclohexane	ND		23	2.4
124-48-1	Chlorodibromomethane	ND		2.3	0.92
74-95-3	Dibromomethane	ND		2.3	0.92
75-71-8	Dichlorodifluoromethane	ND	*	4.6	0.92
60-29-7	Ethyl ether	ND		2.3	0.92
108-20-3	Isopropyl ether	ND		2.3	0.92
637-92-3	Tert-butyl ethyl ether	ND		2.3	2.3
100-41-4	Ethylbenzene	ND		2.3	0.92
87-68-3	Hexachlorobutadiene	ND		2.3	0.92
98-82-8	Isopropylbenzene	ND		2.3	0.92
79-20-9	Methyl acetate	ND		46	15
78-93-3	2-Butanone (MEK)	ND		23	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		23	4.7
1634-04-4	Methyl tert-butyl ether	ND		2.3	0.92
108-87-2	Methylcyclohexane	ND		2.3	0.92
75-09-2	Methylene Chloride	ND		9.2	4.4
136777-61-2	m-Xylene & p-Xylene	ND		4.6	0.92
91-20-3	Naphthalene	ND		23	0.92
103-65-1	N-Propylbenzene	ND		2.3	0.92
95-47-6	o-Xylene	ND		2.3	0.92
99-87-6	4-Isopropyltoluene	ND		2.3	0.92
135-98-8	sec-Butylbenzene	ND		2.3	0.92
100-42-5	Styrene	ND		2.3	0.92
994-05-8	Tert-amyl methyl ether	ND		2.3	0.92
98-06-6	tert-Butylbenzene	ND		2.3	0.92
127-18-4	Tetrachloroethene	ND		2.3	0.92
109-99-9	Tetrahydrofuran	ND		23	5.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-3.0/5.0-XXX | Lab Sample ID: 360-24417-15

Matrix: Solid | Lab File ID: V44814.D

Analysis Method: 8260B | Date Collected: 09/02/2009 13:30

Sample wt/vol: 6.71(g) | Date Analyzed: 09/09/2009 02:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 18.9 | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.3	0.92
156-60-5	trans-1,2-Dichloroethene	ND		2.3	0.92
10061-02-6	trans-1,3-Dichloropropene	ND		2.3	0.92
79-01-6	Trichloroethene	ND		2.3	0.92
75-69-4	Trichlorofluoromethane	ND		4.6	0.92
75-01-4	Vinyl chloride	ND		2.3	0.92

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	105	70-130	
1868-53-7	Dibromofluoromethane	103	70-130	
2037-26-5	Toluene-d8 (Surr)	96	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-3.0/5.0-XXX Lab Sample ID: 360-24417-15

Matrix: Solid Lab File ID: V44814.D

Analysis Method: 8260B Date Collected: 09/02/2009 13:30

Sample wt/vol: 6.71(g) Date Analyzed: 09/09/2009 02:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 18.9 Level: (low/med) Low

Analysis Batch No.: 48711 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 2.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	12.80	2.1	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44814.D		
Lims ID:	360-24417-C-15-A	Client ID:	OC-471-3.0/5.0-XXX
Inject. Date:	09-Sep-2009 02:28:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-15-A		
Misc. Info.:	360-0001108-018		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	29
Lims Batch ID:	48711	Lims Sample ID:	18
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:53:20	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 09-Sep-2009 11:03:42

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.639				1
2 Chloromethane	50		1.819				479
3 Vinyl chloride	62		1.922				479
4 Bromomethane	94		2.269				1
5 Chloroethane	64		2.403				1
6 Trichlorofluoromethane	101		2.553				1
7 Ethyl ether	59		2.868				1
8 1,1-Dichloroethene	96		3.065				1
10 Carbon disulfide	76		3.080				79
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.132				1
14 Methylene Chloride	84	3.621	3.628	-0.007	9772	0.2138	
15 Acetone	43		3.685				7
16 trans-1,2-Dichloroethene	61		3.778				1
17 Methyl acetate	43		3.804				1
19 Methyl tert-butyl ether	73		3.886				1
21 Isopropyl ether	45		4.227				1
22 1,1-Dichloroethane	63		4.341				1
24 Tert-butyl ethyl ether	59		4.553				1
26 cis-1,2-Dichloroethene	61		4.811				1
27 2,2-Dichloropropane	77		4.910				1
28 Cyclohexane	56		4.977				1
29 Chlorobromomethane	130		4.982				1
30 Chloroform	83		5.044				1
32 Carbon tetrachloride	117		5.163				1
33 Tetrahydrofuran	42		5.178				
$ 35 Dibromofluoromethane	113	5.192	5.204	-0.012	108595	20.6	
36 1,1,1-Trichloroethane	97		5.225				1
37 2-Butanone (MEK)	43		5.318				1
38 1,1-Dichloropropene	75		5.328				1
40 Benzene	78		5.540				47
41 Tert-amyl methyl ether	73		5.633				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.647	5.659	-0.012	20059	20.0	
43 1,2-Dichloroethane	62		5.711				479
* 44 Fluorobenzene	96	5.875	5.886	-0.011	452173	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.907				
47 Methylcyclohexane	83		6.010				1
48 Trichloroethene	95		6.015				1
49 2,4,4-Trimethyl-2-pentene	112		6.046				1
50 Dibromomethane	93		6.362				1
51 1,2-Dichloropropane	63		6.444				1
52 Dichlorobromomethane	83		6.486				1
54 1,4-Dioxane	88		6.651				1
57 cis-1,3-Dichloropropene	75		6.987				1
$ 58 Toluene-d8 (Surr)	98	7.120	7.132	-0.012	386606	19.3	
59 Toluene	92		7.173				7
60 Tetrachloroethene	164		7.462				1
61 4-Methyl-2-pentanone (MIBK)	43		7.462				1
62 trans-1,3-Dichloropropene	75		7.488				1
64 1,1,2-Trichloroethane	83		7.617				1
65 Chlorodibromomethane	129		7.752				1
66 1,3-Dichloropropane	76		7.829				1
67 Ethylene Dibromide	107		7.943				1
69 2-Hexanone	43		8.103				1
* 70 Chlorobenzene-d5	117	8.319	8.325	-0.006	262252	20.0	
71 Chlorobenzene	112		8.341				1
72 Ethylbenzene	91		8.356				1
73 1,1,1,2-Tetrachloroethane	131		8.387				1
74 m-Xylene & p-Xylene	91		8.465				1
75 o-Xylene	91		8.796				1
76 Styrene	104		8.837				1
77 Bromoform	173		8.863				1
78 Isopropylbenzene	105		9.039				1
$ 80 4-Bromofluorobenzene	95	9.254	9.261	-0.007	158408	21.1	
81 Bromobenzene	77		9.349				1
82 N-Propylbenzene	91		9.359				1
83 1,1,2,2-Tetrachloroethane	83		9.411				1
84 2-Chlorotoluene	91		9.483				1
85 1,3,5-Trimethylbenzene	105		9.509				1
86 1,2,3-Trichloropropane	110		9.524				1
88 4-Chlorotoluene	91		9.617				1
89 tert-Butylbenzene	119		9.762				1
90 1,2,4-Trimethylbenzene	105		9.814				1
91 sec-Butylbenzene	105		9.897				1
92 4-Isopropyltoluene	119		10.010				1
93 1,3-Dichlorobenzene	146		10.077				479
* 94 1,4-Dichlorobenzene-d4	152	10.128	10.134	-0.006	133561	20.0	
95 1,4-Dichlorobenzene	146		10.150				479
96 n-Butylbenzene	91		10.351				1
97 1,2-Dichlorobenzene	146		10.506				1
98 1,2-Dibromo-3-Chloropropane	157		11.287				1
100 Hexachlorobutadiene	225		12.036				1
101 1,2,4-Trichlorobenzene	180		12.083				1
102 Naphthalene	128		12.553				1

Report Date: 09-Sep-2009 11:03:43 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44814.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.827				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44814.D		
Lims ID:	360-24417-C-15-A	Client ID:	OC-471-3.0/5.0-XXX
Inject. Date:	09-Sep-2009 02:28:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-15-A		
Misc. Info.:	360-0001108-018		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	29
Lims Batch ID:	48711	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:53:20	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	09-Sep-2009 11:03:42

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
12.800	22816	0.4504	94			

Quantitation Compounds

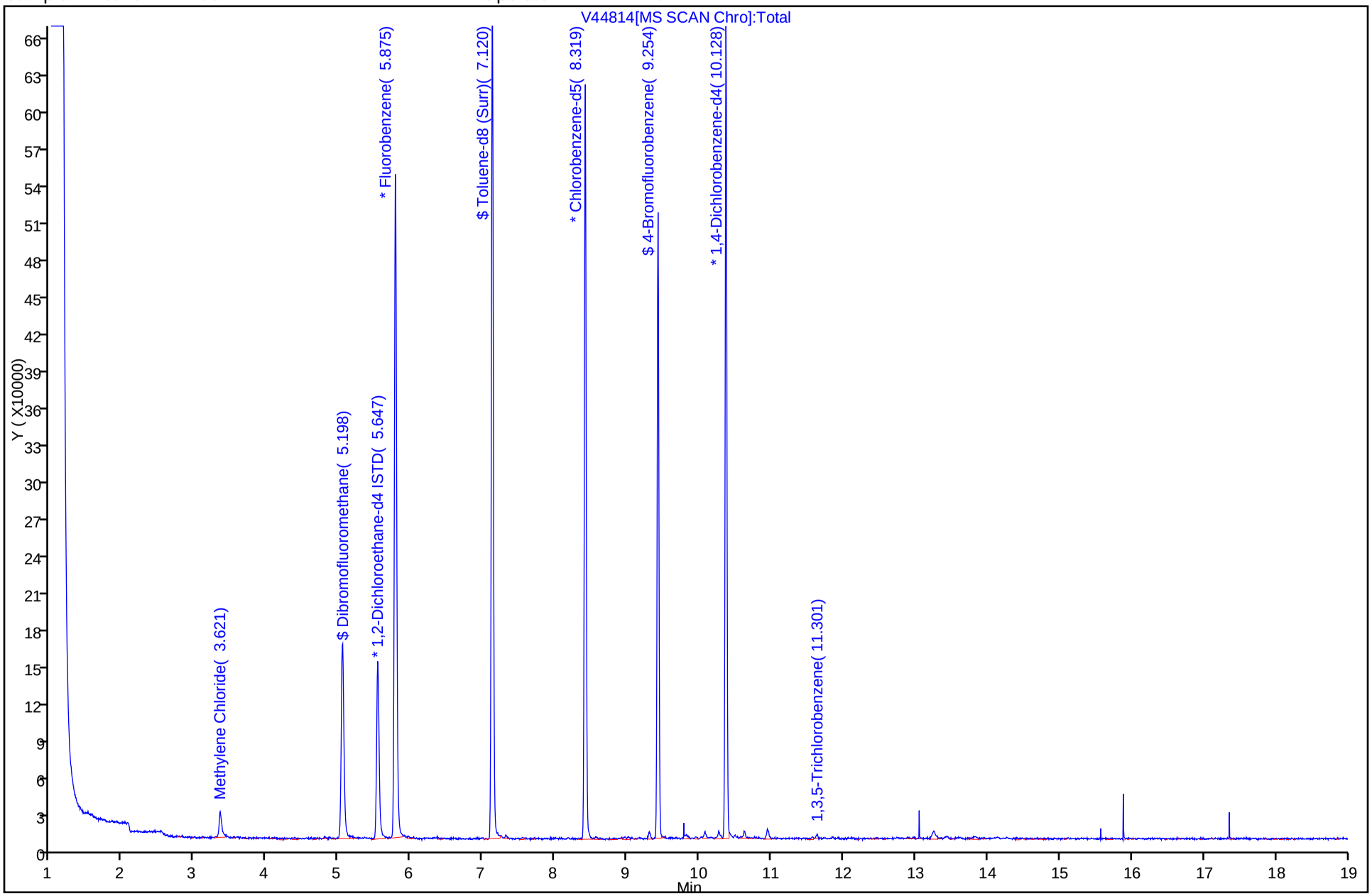
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.128	1013183	20.0

QC Flag Legend

Processing Flags

Report Date: 09-Sep-2009 11:03:43 Chrom Revision: 1.0.2009.827

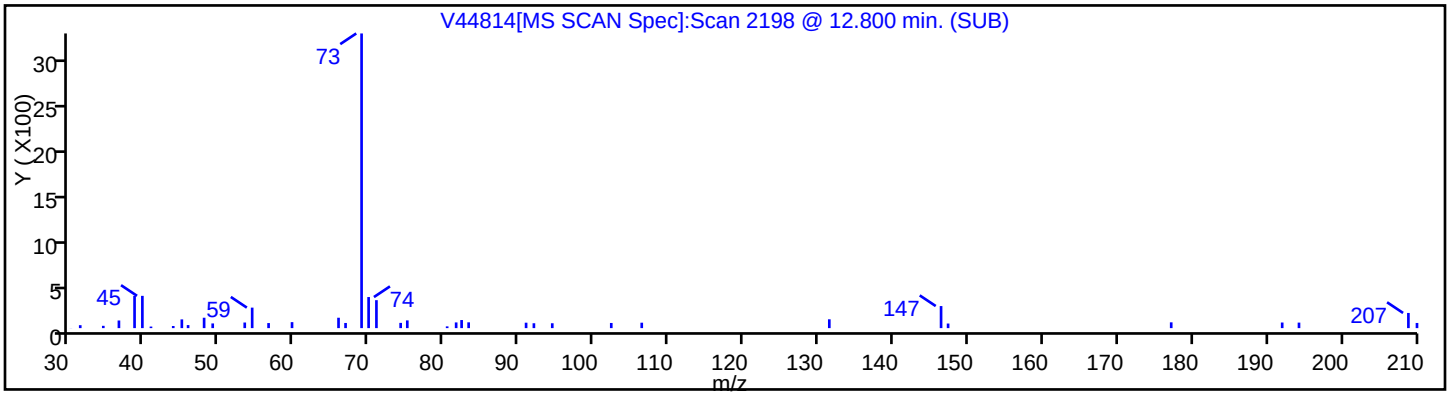
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44814.D		
Inj Date:	09-Sep-2009 02:28:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48711	Lims Sample ID:	18
Client ID:	OC-471-3.0/5.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-15-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 09-Sep-2009 11:03:43 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44814.D		
Inj Date:	09-Sep-2009 02:28:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48711	Lims Sample ID:	18
Client ID:	OC-471-3.0/5.0-XXX	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-15-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-TBK-012 | Lab Sample ID: 360-24417-17

Matrix: Solid | Lab File ID: V44934.D

Analysis Method: 8260B | Date Collected: 09/02/2009 14:50

Sample wt/vol: 5(g) | Date Analyzed: 09/12/2009 17:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.0
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.0
75-35-4	1,1-Dichloroethene	ND		2.5	1.0
563-58-6	1,1-Dichloropropene	ND		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
67-64-1	Acetone	ND		250	18
78-87-5	1,2-Dichloropropane	ND		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.0
95-49-8	2-Chlorotoluene	ND		2.5	1.0
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	1.0
71-43-2	Benzene	ND		2.5	1.0
108-86-1	Bromobenzene	ND		2.5	1.0
74-97-5	Chlorobromomethane	ND		2.5	1.0
75-27-4	Dichlorobromomethane	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.0
74-83-9	Bromomethane	ND		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-TBK-012 | Lab Sample ID: 360-24417-17

Matrix: Solid | Lab File ID: V44934.D

Analysis Method: 8260B | Date Collected: 09/02/2009 14:50

Sample wt/vol: 5(g) | Date Analyzed: 09/12/2009 17:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	1.0
75-15-0	Carbon disulfide	ND		2.5	1.0
56-23-5	Carbon tetrachloride	ND		2.5	1.0
108-90-7	Chlorobenzene	ND		2.5	1.0
75-00-3	Chloroethane	ND		5.0	1.0
67-66-3	Chloroform	ND		2.5	1.0
74-87-3	Chloromethane	ND		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.0
75-71-8	Dichlorodifluoromethane	ND	*	5.0	1.0
60-29-7	Ethyl ether	ND		2.5	1.0
108-20-3	Isopropyl ether	ND		2.5	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	1.0
87-68-3	Hexachlorobutadiene	ND		2.5	1.0
98-82-8	Isopropylbenzene	ND		2.5	1.0
79-20-9	Methyl acetate	ND		50	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.2
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.0
108-87-2	Methylcyclohexane	ND		2.5	1.0
75-09-2	Methylene Chloride	ND		10	4.8
136777-61-2	m-Xylene & p-Xylene	ND		5.0	1.0
91-20-3	Naphthalene	ND		25	1.0
103-65-1	N-Propylbenzene	ND		2.5	1.0
95-47-6	o-Xylene	ND		2.5	1.0
99-87-6	4-Isopropyltoluene	ND		2.5	1.0
135-98-8	sec-Butylbenzene	ND		2.5	1.0
100-42-5	Styrene	ND		2.5	1.0
994-05-8	Tert-amyl methyl ether	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.0
127-18-4	Tetrachloroethene	ND		2.5	1.0
109-99-9	Tetrahydrofuran	6.2	J	25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-TBK-012 | Lab Sample ID: 360-24417-17

Matrix: Solid | Lab File ID: V44934.D

Analysis Method: 8260B | Date Collected: 09/02/2009 14:50

Sample wt/vol: 5(g) | Date Analyzed: 09/12/2009 17:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
79-01-6	Trichloroethene	ND		2.5	1.0
75-69-4	Trichlorofluoromethane	ND		5.0	1.0
75-01-4	Vinyl chloride	ND		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	94	70-130	
1868-53-7	Dibromofluoromethane	96	70-130	
2037-26-5	Toluene-d8 (Surr)	102	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-TBK-012 Lab Sample ID: 360-24417-17

Matrix: Solid Lab File ID: V44934.D

Analysis Method: 8260B Date Collected: 09/02/2009 14:50

Sample wt/vol: 5(g) Date Analyzed: 09/12/2009 17:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48878 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 1.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	10.67	1.5	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44934.D		
Lims ID:	360-24417-C-17-A	Client ID:	OC-TBK-012
Inject. Date:	12-Sep-2009 17:43:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-17-A		
Misc. Info.:	360-0001152-015		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	48878	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 09:03:04	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	14-Sep-2009 09:06:57

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.640				1
2 Chloromethane	50		1.821				479
3 Vinyl chloride	62		1.919				1
4 Bromomethane	94		2.276				1
5 Chloroethane	64		2.405				1
6 Trichlorofluoromethane	101		2.549				1
7 Ethyl ether	59		2.875				1
8 1,1-Dichloroethene	96		3.066				1
10 Carbon disulfide	76		3.082				79
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.133				1
14 Methylene Chloride	84		3.635				7
15 Acetone	43		3.692				7
16 trans-1,2-Dichloroethene	61		3.785				1
17 Methyl acetate	43		3.810				1
19 Methyl tert-butyl ether	73		3.893				1
21 Isopropyl ether	45		4.234				1
22 1,1-Dichloroethane	63		4.348				1
24 Tert-butyl ethyl ether	59		4.560				1
26 cis-1,2-Dichloroethene	61		4.818				1
27 2,2-Dichloropropane	77		4.916				1
28 Cyclohexane	56		4.983				1
29 Chlorobromomethane	130		4.989				1
30 Chloroform	83		5.056				1
32 Carbon tetrachloride	117		5.170				1
33 Tetrahydrofuran	42	5.194	5.190	0.004	5651	1.23	
$ 35 Dibromofluoromethane	113	5.210	5.211	-0.001	109741	19.2	
36 1,1,1-Trichloroethane	97		5.232				1
37 2-Butanone (MEK)	43		5.325				1
38 1,1-Dichloropropene	75		5.335				1
40 Benzene	78		5.547				479
41 Tert-amyl methyl ether	73		5.640				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.665	5.666	-0.001	20701	20.0	
43 1,2-Dichloroethane	62		5.722				479
* 44 Fluorobenzene	96	5.892	5.893	-0.001	491554	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.914				
47 Methylcyclohexane	83		6.017				1
48 Trichloroethene	95		6.022				1
49 2,4,4-Trimethyl-2-pentene	112		6.048				1
50 Dibromomethane	93		6.368				1
51 1,2-Dichloropropane	63		6.451				1
52 Dichlorobromomethane	83		6.493				1
54 1,4-Dioxane	88		6.653				1
57 cis-1,3-Dichloropropene	75		6.994				1
$ 58 Toluene-d8 (Surr)	98	7.138	7.138	0.000	444487	20.4	
59 Toluene	92		7.175				479
60 Tetrachloroethene	164		7.469				1
61 4-Methyl-2-pentanone (MIBK)	43		7.469				1
62 trans-1,3-Dichloropropene	75		7.495				1
64 1,1,2-Trichloroethane	83		7.619				1
65 Chlorodibromomethane	129		7.759				1
66 1,3-Dichloropropane	76		7.831				1
67 Ethylene Dibromide	107		7.945				1
69 2-Hexanone	43		8.105				1
* 70 Chlorobenzene-d5	117	8.331	8.332	-0.001	292764	20.0	
71 Chlorobenzene	112		8.343				1
72 Ethylbenzene	91		8.358				1
73 1,1,1,2-Tetrachloroethane	131		8.389				1
74 m-Xylene & p-Xylene	91		8.467				1
75 o-Xylene	91		8.803				1
76 Styrene	104		8.839				1
77 Bromoform	173		8.865				1
78 Isopropylbenzene	105		9.040				1
$ 80 4-Bromofluorobenzene	95	9.262	9.262	0.000	157419	18.8	
81 Bromobenzene	77		9.350				1
82 N-Propylbenzene	91		9.361				1
83 1,1,2,2-Tetrachloroethane	83		9.412				1
84 2-Chlorotoluene	91		9.485				1
85 1,3,5-Trimethylbenzene	105		9.511				1
86 1,2,3-Trichloropropane	110		9.526				1
88 4-Chlorotoluene	91		9.614				1
89 tert-Butylbenzene	119		9.759				1
90 1,2,4-Trimethylbenzene	105		9.815				1
91 sec-Butylbenzene	105		9.898				1
92 4-Isopropyltoluene	119		10.007				1
93 1,3-Dichlorobenzene	146		10.079				479
* 94 1,4-Dichlorobenzene-d4	152	10.140	10.136	0.004	121533	20.0	
95 1,4-Dichlorobenzene	146		10.146				479
96 n-Butylbenzene	91		10.353				1
97 1,2-Dichlorobenzene	146		10.508				1
98 1,2-Dibromo-3-Chloropropane	157		11.278				1
100 Hexachlorobutadiene	225		12.032				1
101 1,2,4-Trichlorobenzene	180		12.084				1
102 Naphthalene	128		12.549				1

Report Date: 14-Sep-2009 09:06:57 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44934.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180		12.823				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44934.D		
Lims ID:	360-24417-C-17-A	Client ID:	OC-TBK-012
Inject. Date:	12-Sep-2009 17:43:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-C-17-A		
Misc. Info.:	360-0001152-015		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	48878	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 09:03:04	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	14-Sep-2009 09:06:57

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
10.667	14189	0.3045	94			

Quantitation Compounds

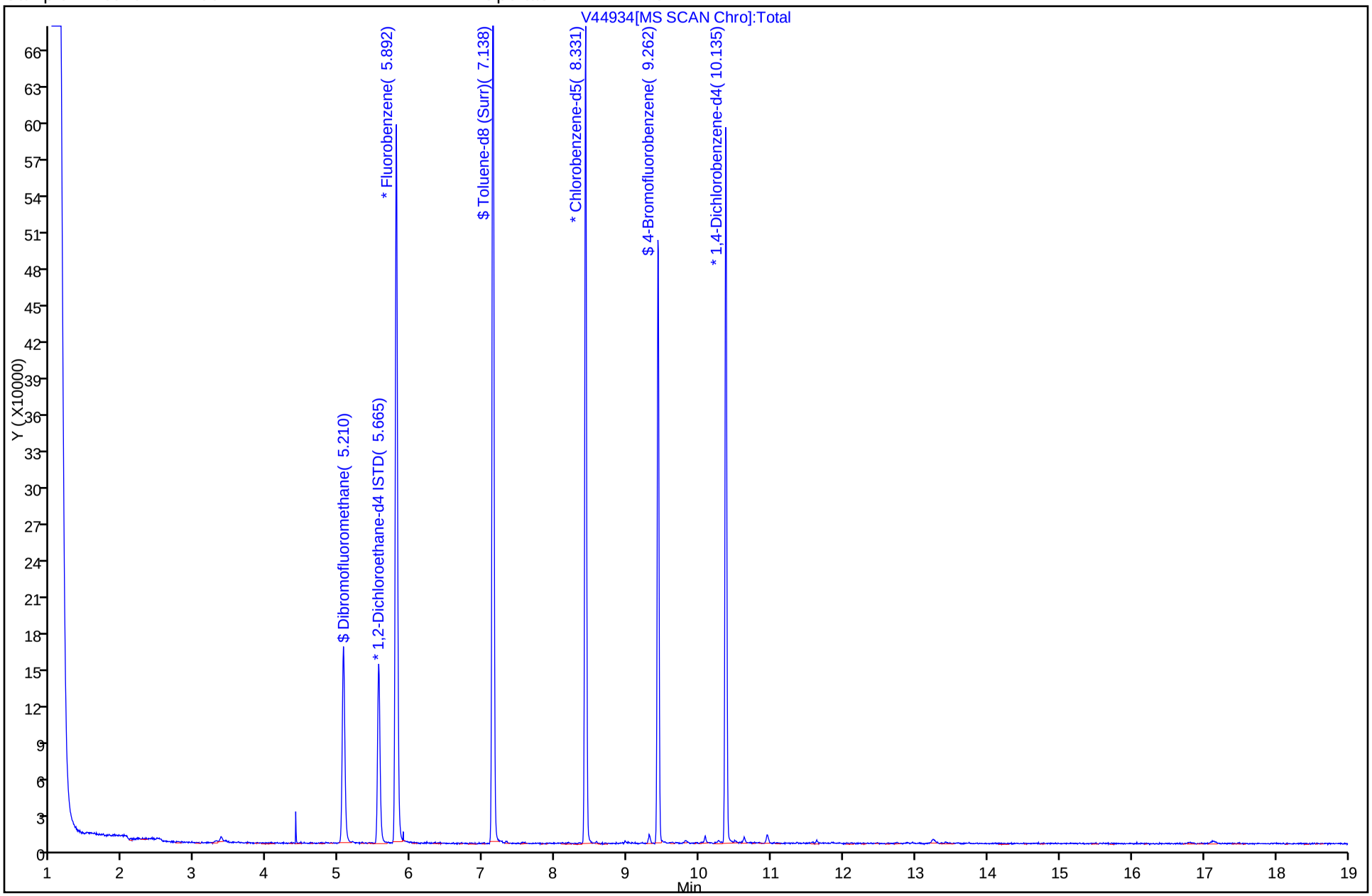
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.135	931981	20.0

QC Flag Legend

Processing Flags

Report Date: 14-Sep-2009 09:06:57 Chrom Revision: 1.0.2009.910

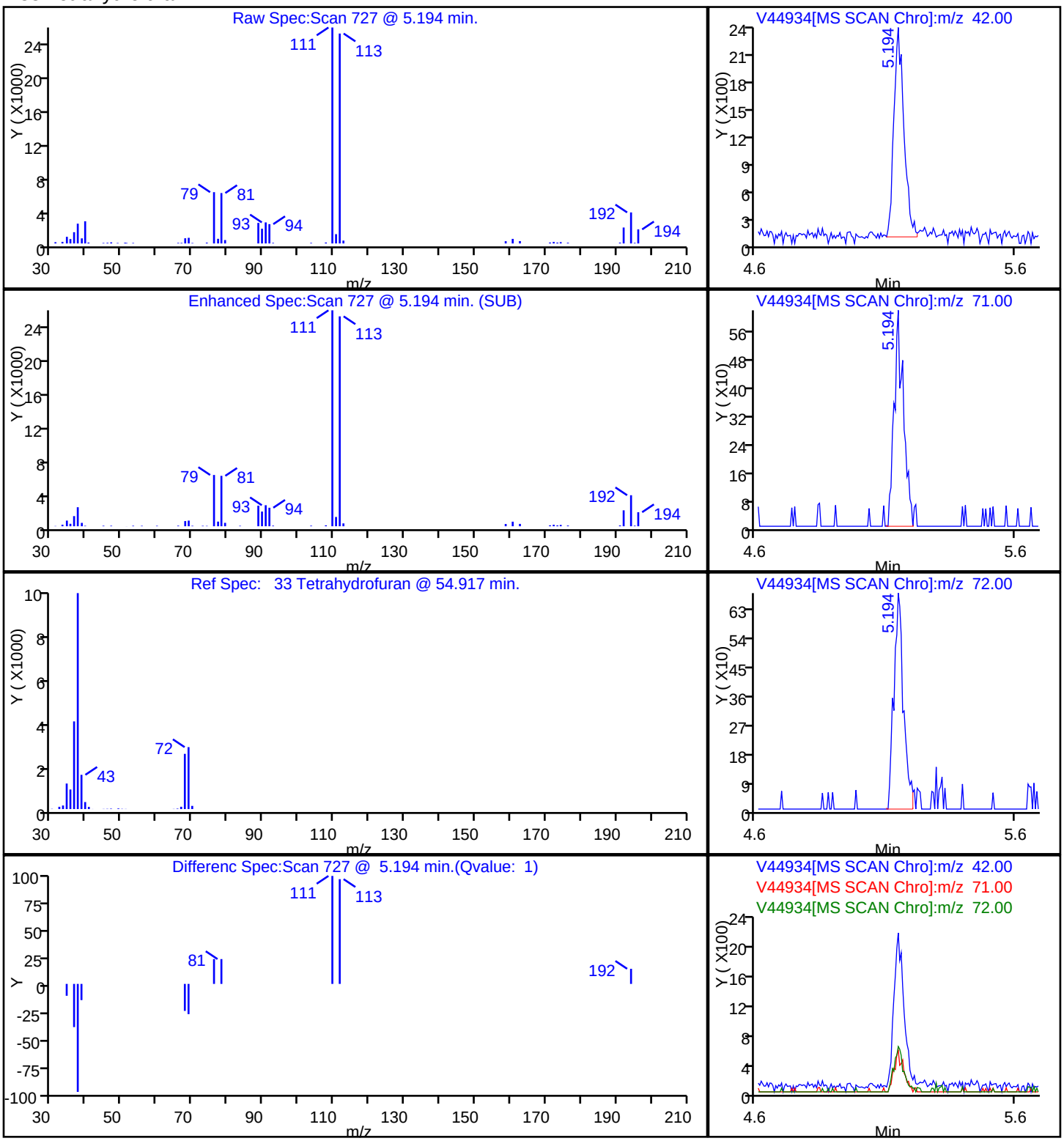
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44934.D		
Inj Date:	12-Sep-2009 17:43:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	15
Client ID:	OC-TBK-012	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-17-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 14-Sep-2009 09:06:58 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44934.D		
Inj Date:	12-Sep-2009 17:43:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	15
Client ID:	OC-TBK-012	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-17-A		
Sample Amount:	1.00	Operator:	CR

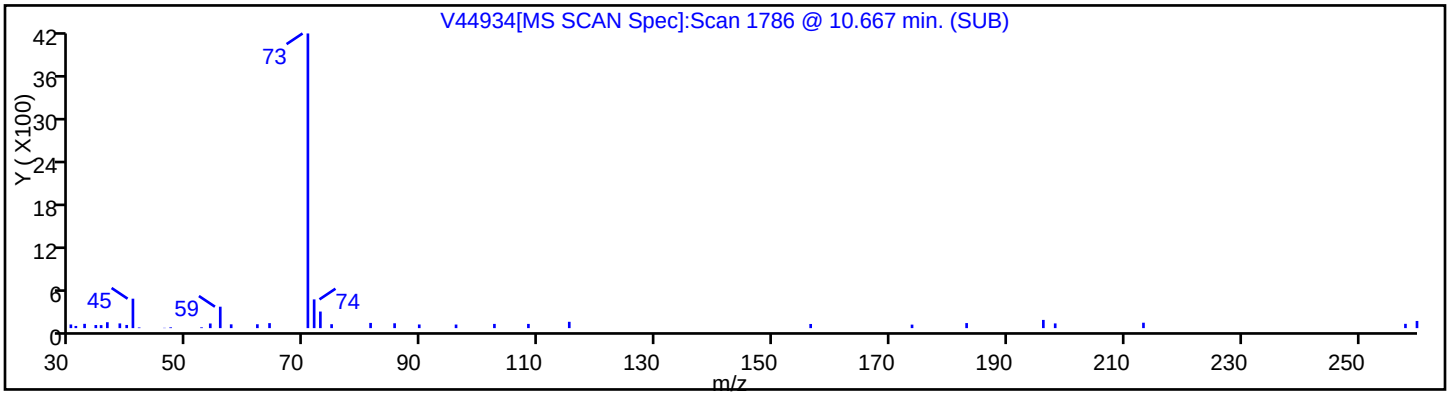
33 Tetrahydrofuran



Report Date: 14-Sep-2009 09:06:58 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44934.D		
Inj Date:	12-Sep-2009 17:43:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	15
Client ID:	OC-TBK-012	Instrument:	HP #1 GC/MS
Sample Info:	360-24417-C-17-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48701

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0005 360-48701/3	V44790.D
Level 2	STD001 360-48701/4	V44791.D
Level 3	STD005 360-48701/5	V44792.D
Level 4	STD010 360-48701/6	V44793.D
Level 5	STD20 360-48701/2	V44788.D
Level 6	STD040 360-48701/7	V44794.D
Level 7	STD080 360-48701/8	V44795.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 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.5140 0.4691	0.4431 0.4350	0.5215	0.5130	0.4826	Lin1	-0.069	0.4427							0.9910		0.9900
Chloromethane	1.0494 0.8552	0.8501 0.7960	0.9616	0.9508	0.8610	Ave		0.9034			0.1000	9.6		15.0			
Vinyl chloride	0.7127 0.5986	0.5945 0.5590	0.6714	0.6661	0.6078	Ave		0.6300				8.6		15.0			
Bromomethane	0.3622 0.2900	0.3259 0.2675	0.3323	0.3132	0.2981	Ave		0.3127				9.9		15.0			
Chloroethane	0.4861 0.3277	0.3774 0.2991	0.3873	0.3727	0.3453	Lin2	0.0695	0.3371							0.9910		0.9900
Trichlorofluoromethane	0.5868 0.4931	0.4948 0.4668	0.5334	0.5367	0.5164	Ave		0.5183				7.5		15.0			
Ethyl ether	0.3259 0.2556	0.2678 0.2377	0.2554	0.2522	0.2274	Ave		0.2603				12.0		15.0			
Ethanol	0.0047 0.0017	0.0014 0.0016	0.0015	0.0019	0.0016	Lin1	-0.003	0.0016							0.9910		0.9900
1,1-Dichloroethene	0.4196 0.3087	0.2933 0.2942	0.3549	0.3319	0.3156	Ave		0.3201				7.4		15.0			
Carbon disulfide	1.5648 1.3008	1.2759 1.2119	1.5758	1.4732	1.3494	Ave		1.3953				11.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2117 0.1748	0.1784 0.1637	0.2010	0.1910	0.1799	Ave		0.1858				8.9		15.0			
Acrolein	0.9360 0.7838	0.7899 0.6862	0.8009	0.8090	0.6798	Ave		0.7836				11.0		15.0			
Isopropyl alcohol	0.0159 0.0108	0.0144 0.0098	0.0107	0.0109	0.0097	Lin2	0.1535	0.0102							0.9950		0.9900
Methylene Chloride	1.0666 0.3541	0.6021 0.3239	0.4564	0.3919	0.3486	Lin1	0.3614	0.3313							0.9970		0.9900

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48701

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

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 4	LVL 5		B	M1	M2								
Acetone	0.1017 0.0541	0.0727 0.0569	0.0535	0.0571	0.0447	Lin2	0.2392	0.0512							0.9900		0.9900
trans-1,2-Dichloroethene	0.8034 0.6567	0.6880 0.6144	0.7891	0.7211	0.6625	Ave		0.7060				10.0		15.0			
Methyl acetate	0.1528 0.1436	0.1545 0.1346	0.1613	0.1400	0.1320	Lin1	0.7529	0.1355							0.9980		0.9900
Hexane	0.8750 0.8419	0.7804 0.7901	0.9335	0.9005	0.8463	Ave		0.8540				6.6		15.0			
Methyl tert-butyl ether	0.8310 0.6781	0.7210 0.6174	0.7332	0.7008	0.6131	Ave		0.6992				11.0		15.0			
2-Methyl-2-propanol	0.4264 0.3753	0.4373 0.3412	0.3974	0.3852	0.3208	Ave		0.3834				11.0		15.0			
Isopropyl ether	2.3305 1.9515	1.9432 1.7936	2.0738	2.0275	1.8103	Ave		1.9972				9.9		15.0			
1,1-Dichloroethane	0.9214 0.7581	0.7493 0.7189	0.8503	0.8052	0.7399	Ave		0.7919			0.1000	9.1		15.0			
Acrylonitrile	0.1932 0.0669	0.0852 0.0632	0.0700	0.0647	0.0608	Lin1	0.0490	0.0625							0.9960		0.9900
Tert-butyl ethyl ether	1.3637 1.1578	1.1985 1.0516	1.2956	1.2192	1.0693	Ave		1.1937				9.5		15.0			
Vinyl acetate	0.6739 0.5915	0.5590 0.5399	0.5586	0.5497	0.5486	Ave		0.5745				8.1		15.0			
1,4-Dioxane	+++++ 0.0214	+++++ 0.0175	0.0192	0.0254	0.0178	Qua	-0.179	0.0239	0						0.9940		0.9900
cis-1,2-Dichloroethene	0.6779 0.5936	0.6055 0.5641	0.6617	0.6336	0.5706	Ave		0.6148				7.0		15.0			
2,2-Dichloropropane	0.6342 0.4755	0.5210 0.4230	0.6174	0.5607	0.5100	Ave		0.5371				15.0		15.0			
Cyclohexane	0.8833 0.8440	0.8596 0.7640	1.0064	0.9609	0.8709	Ave		0.8898				9.1		15.0			
Chlorobromomethane	0.1645 0.1348	0.1395 0.1288	0.1408	0.1353	0.1269	Ave		0.1386				9.0		15.0			
Chloroform	0.7419 0.5969	0.6033 0.5734	0.6613	0.6075	0.5609	Ave		0.6243				11.0		15.0			
Ethyl acetate	0.1927 0.2113	0.1899 0.2061	0.1945	0.1958	0.1824	Ave		0.1954				5.2		15.0			
Carbon tetrachloride	0.4247 0.3509	0.3314 0.3372	0.3985	0.3723	0.3447	Ave		0.3645				8.9		15.0			
Tetrahydrofuran	0.0997 0.0738	0.0800 0.0688	0.0742	0.0715	0.0651	Ave		0.0762				15.0		15.0			

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48701

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

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 4	LVL 5		B	M1	M2								
sec-Butyl Alcohol	0.0188 0.0206	0.0193 0.0192	0.0184	0.0195	0.0175	Ave		0.0190				5.2		15.0			
1,1,1-Trichloroethane	0.6107 0.4850	0.5243 0.4555	0.5633	0.5228	0.4926	Ave		0.5171				8.3		15.0			
2-Butanone (MEK)	0.1254 0.0978	0.0970 0.0932	0.0875	0.0942	0.0855	Ave		0.0960				11.0		15.0			
1,1-Dichloropropene	0.5649 0.4860	0.4602 0.4738	0.5235	0.4974	0.4886	Ave		0.4990				6.9		15.0			
n-Heptane	0.8565 0.9050	0.7696 0.8568	0.9834	0.9534	0.9214	Ave		0.8945				7.9		15.0			
Benzene	1.4982 1.3135	1.2724 1.2722	1.4240	1.3811	1.3000	Ave		1.3516				6.4		15.0			
Tert-amyl methyl ether	0.8924 0.7489	0.7542 0.6970	0.7873	0.7691	0.6859	Ave		0.7621				9.0		15.0			
1,2-Dichloroethane	0.3816 0.3231	0.3308 0.3183	0.3086	0.3180	0.2967	Ave		0.3253				8.3		15.0			
2,4,4-Trimethyl-1-pentene	0.4938 0.3541	0.3646 0.3124	0.4110	0.3852	0.3642	Ave		0.3806				13.0		15.0			
Isopropyl acetate	0.4037 0.4289	0.4243 0.3966	0.4390	0.4302	0.3827	Ave		0.4164				4.9		15.0			
Methylcyclohexane	0.6139 0.6029	0.6147 0.5509	0.6983	0.6779	0.6330	Ave		0.6300				7.7		15.0			
Trichloroethene	0.3063 0.3065	0.2969 0.3014	0.3093	0.3092	0.2942	Ave		0.3155				11.0		15.0			
2,4,4-Trimethyl-2-pentene	0.2121 0.1826	0.1691 0.1753	0.2003	0.1875	0.1834	Ave		0.1872				7.8		15.0			
Dibromomethane	0.1392 0.1172	0.1201 0.1142	0.1218	0.1144	0.1086	Ave		0.1188				7.1		15.0			
1,2-Dichloropropane	0.3938 0.2954	0.3358 0.2637	0.3304	0.3180	0.2870	Ave		0.3182				14.0		15.0			
Dichlorobromomethane	0.3938 0.3437	0.3464 0.3424	0.3382	0.3296	0.3226	Ave		0.3427				4.9		15.0			
Methyl methacrylate	0.1085 0.0887	0.0894 0.0905	0.0796	0.0833	0.0784	Ave		0.0864				7.1		15.0			
n-Propyl acetate	0.2444 0.2620	0.2430 0.2609	0.2475	0.2487	0.2328	Ave		0.2485				4.1		15.0			
2-Chloroethyl vinyl ether	0.0355 0.0374	0.0283 0.0403	0.0292	0.0307	0.0309	Lin	-0.708	0.0405							0.9960		0.9900
cis-1,3-Dichloropropene	0.4414 0.4042	0.3574 0.4061	0.3989	0.3896	0.3850	Ave		0.3975				6.4		15.0			

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48701

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

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 4	LVL 5		B	M1	M2								
Toluene	0.8034 0.6891	0.6622 0.6914	0.7181	0.7001	0.6751	Ave		0.7062				6.8		15.0			
4-Methyl-2-pentanone (MIBK)	0.2378 0.2097	0.2078 0.1819	0.1997	0.2058	0.1875	Ave		0.2048				9.4		15.0			
Tetrachloroethene	0.1974 0.1810	0.1750 0.1842	0.1931	0.1876	0.1851	Ave		0.1859				3.7		15.0			
trans-1,3-Dichloropropene	0.3306 0.2937	0.2739 0.2966	0.2820	0.2826	0.2759	Ave		0.2914				7.2		15.0			
Isobutyl acetate	0.5849 0.6001	0.5935 0.5284	0.6357	0.6186	0.5396	Ave		0.5858				6.7		15.0			
1,1,2-Trichloroethane	0.1738 0.1281	0.1193 0.1265	0.1272	0.1194	0.1153	Lin1	0.0117	0.1247							0.9980		0.9900
Chlorodibromomethane	0.1753 0.1533	0.1430 0.1540	0.1424	0.1436	0.1413	Ave		0.1504				8.1		15.0			
1,3-Dichloropropane	0.3266 0.2848	0.2787 0.2855	0.2733	0.2703	0.2607	Ave		0.2828				7.5		15.0			
Ethylene Dibromide	0.1485 0.1281	0.1197 0.1286	0.1205	0.1216	0.1163	Ave		0.1260				8.2		15.0			
n-Butyl acetate	0.3463 0.3346	0.3445 0.3209	0.3386	0.3287	0.2965	Ave		0.3300				5.2		15.0			
2-Hexanone	0.1659 0.1333	0.1215 0.1275	0.1135	0.1276	0.1163	Ave		0.1294				14.0		15.0			
Chlorobenzene	1.1913 1.0803	1.0113 1.0817	1.1284	1.0895	1.0360	Ave		1.0959			0.3000	6.9		15.0			
Ethylbenzene	2.6758 2.1553	2.1312 2.0628	2.4520	2.2929	2.1714	Ave		2.2788				9.7		15.0			
1,1,1,2-Tetrachloroethane	0.3901 0.3385	0.3372 0.3202	0.3653	0.3541	0.3297	Ave		0.3475				6.7		15.0			
m-Xylene & p-Xylene	1.9757 1.6727	1.6563 1.5766	1.8860	1.7978	1.6875	Ave		1.7524				8.3		15.0			
o-Xylene	2.1470 1.8264	1.8191 1.6597	2.0450	1.9708	1.8130	Ave		1.9034				9.3		15.0			
Styrene	1.4922 1.2759	1.2027 1.2037	1.3614	1.2839	1.2100	Ave		1.2938				8.9		15.0			
Bromoform	0.3485 0.3369	0.2780 0.3504	0.2816	0.2944	0.3020	Ave		0.3131			0.1000	10.0		15.0			
Isopropylbenzene	2.4208 2.2025	2.0724 2.0183	2.4760	2.3615	2.1975	Ave		2.2554				8.0		15.0			
Bromobenzene	1.2089 0.9533	1.0331 0.8458	1.0983	1.0589	0.9355	Ave		1.0237				13.0		15.0			

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48701

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

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 4	LVL 5		B	M1	M2								
N-Propylbenzene	3.2749 2.7253	2.8073 2.4461	3.2146	3.0479	2.8034	Ave		2.9014				10.0		15.0			
1,1,2,2-Tetrachloroethane	0.7864 0.7241	0.6467 0.7098	0.6652	0.6693	0.6233	Ave		0.6847			0.3000	6.8		15.0			
2-Chlorotoluene	2.1981 1.7626	1.9110 1.5938	2.1562	2.0102	1.8004	Ave		1.9274				12.0		15.0			
1,3,5-Trimethylbenzene	2.0740 1.7484	1.7543 1.5683	2.0682	1.9727	1.7597	Ave		1.8515				10.0		15.0			
1,2,3-Trichloropropane	0.0977 0.0640	0.0737 0.0579	0.0702	0.0659	0.0581	Lin2	0.0173	0.0613							0.9940		0.9900
trans-1,4-Dichloro-2-butene	0.1855 0.1153	0.1121 0.1006	0.1143	0.1079	0.1045	Lin1	0.0258	0.1049							0.9960		0.9900
4-Chlorotoluene	1.9957 1.5857	1.6208 1.4256	1.8310	1.7825	1.5862	Ave		1.6830				11.0		15.0			
tert-Butylbenzene	1.6114 1.4382	1.3443 1.2740	1.6375	1.5566	1.4452	Ave		1.4710				9.1		15.0			
1,2,4-Trimethylbenzene	2.2426 1.7341	1.8521 1.5229	2.1213	1.9555	1.7416	Ave		1.8740				12.0		15.0			
sec-Butylbenzene	2.7805 2.3745	2.3854 2.0944	2.8375	2.6923	2.4540	Ave		2.5177				11.0		15.0			
4-Isopropyltoluene	2.1860 1.7686	1.7710 1.5718	2.1469	2.0266	1.8270	Ave		1.8943				12.0		15.0			
1,3-Dichlorobenzene	1.0333 0.7640	0.8393 0.6910	0.9262	0.8750	0.7657	Ave		0.8416				14.0		15.0			
1,4-Dichlorobenzene	2.0036 1.7607	1.7009 1.7703	1.8008	1.7631	1.6721	Ave		1.7881				6.9		15.0			
n-Butylbenzene	4.8165 4.5260	4.1981 4.4386	4.9374	4.7733	4.6065	Ave		4.6138				5.5		15.0			
1,2-Dichlorobenzene	1.7303 1.4725	1.4090 1.4730	1.4926	1.4666	1.3959	Ave		1.4920				7.6		15.0			
1,2-Dibromo-3-Chloropropane	0.0867 0.0772	0.0739 0.0793	0.0773	0.0724	0.0722	Ave		0.0770				6.6		15.0			
1,3,5-Trichlorobenzene	1.2560 1.2921	1.2292 1.2913	1.3706	1.3552	1.2690	Ave		1.2948				4.0		15.0			
Hexachlorobutadiene	0.5617 0.4937	0.4716 0.4846	0.5462	0.5336	0.5279	Ave		0.5170				6.6		15.0			
1,2,4-Trichlorobenzene	1.1410 0.9452	0.9612 0.9569	0.9636	0.9470	0.9111	Ave		0.9752				7.7		15.0			
Naphthalene	1.6024 1.2864	1.2646 1.3260	1.1934	1.2132	1.1308	Ave		1.2881				12.0		15.0			

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

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48701

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

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 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.9078 0.7145	0.6496 0.7134	0.6981	0.7078	0.6586	Ave		0.7214				12.0		15.0			
Dibromofluoromethane	0.2400 0.2266	0.2388 0.2233	0.2352	0.2308	0.2352	Ave		0.2328				2.7		15.0			
Toluene-d8 (Surr)	0.8802 0.8841	0.8961 0.8899	0.8856	0.8890	0.8909	Ave		0.8882				0.5		15.0			
4-Bromofluorobenzene	0.5920 0.5621	0.5941 0.5205	0.5898	0.5880	0.5651	Ave		0.5731				4.6		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48701

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0005 360-48701/3	V44790.D
Level 2	STD001 360-48701/4	V44791.D
Level 3	STD005 360-48701/5	V44792.D
Level 4	STD010 360-48701/6	V44793.D
Level 5	STD20 360-48701/2	V44788.D
Level 6	STD040 360-48701/7	V44794.D
Level 7	STD080 360-48701/8	V44795.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Lin1	6613 502578	10598 977504	63118	128811	277413	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chloromethane	FB	Ave	13500 916122	20333 1788702	116378	238724	494926	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Vinyl chloride	FB	Ave	9169 641231	14220 1256162	81258	167258	349420	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Bromomethane	FB	Ave	4659 310659	7794 601081	40223	78648	171388	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chloroethane	FB	Lin2	6253 351097	9026 672103	46870	93571	198496	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	7549 528277	11834 1048831	64561	134764	296832	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Ethyl ether	FB	Ave	4193 273852	6404 534136	30911	63326	130727	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Ethanol	FB	Lin1	2999 92162	1701 175605	8889	23233	45571	25.0 2000	50.0 4000	250	500	1000
1,1-Dichloroethene	FB	Ave	5398 330686	7015 661089	42949	83332	181410	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Carbon disulfide	FB	Ave	20131 1393504	30515 2723314	190713	369894	775704	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	2723 187273	4268 367750	24325	47955	103424	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Acrolein	12DC E	Ave	25904 1850854	41817 3349829	205802	436173	926931	25.0 2000	50.0 4000	250	500	1000
Isopropyl alcohol	FB	Lin2	10207 576374	17196 1106554	64646	136806	278274	25.0 2000	50.0 4000	250	500	1000
Methylene Chloride	FB	Lin1	13721 379330	14400 727804	55242	98400	200380	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Acetone	FB	Lin2	13088 579609	17392 1278043	64713	143437	257117	5.00 400	10.0 800	50.0	100	200

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48701

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
trans-1,2-Dichloroethene	FB	Ave	10336 703469	16454 1380645	95508	181051	380818	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Methyl acetate	FB	Lin1	19653 1538081	36950 3024387	195167	351535	758783	5.00 400	10.0 800	50.0	100	200
Hexane	FB	Ave	11256 901861	18666 1775376	112985	226103	486481	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Methyl tert-butyl ether	FB	Ave	10690 726412	17244 1387323	88738	175974	352465	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2-Methyl-2-propanol	12DCE	Ave	2360 177246	4630 333144	20425	41537	87491	5.00 400	10.0 800	50.0	100	200
Isopropyl ether	FB	Ave	29981 2090528	46475 4030318	250990	509076	1040620	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	11854 812137	17921 1615369	102907	202166	425340	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Acrylonitrile	FB	Lin1	2485 71720	2037 142124	8466	16239	34950	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Tert-butyl ethyl ether	FB	Ave	17543 1240271	28665 2362993	156807	306119	614697	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Vinyl acetate	FB	Ave	86693 6336969	133687 12131073	676070	1380348	3153836	5.00 400	10.0 800	50.0	100	200
1,4-Dioxane	12DCE	Qua	+++++ 10096	+++++ 17085	988	2741	4860	+++++ 400	+++++ 800	50.0	100	200
cis-1,2-Dichloroethene	FB	Ave	8721 635849	14483 1267553	80079	159080	327991	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	8159 509405	12461 950562	74725	140779	293186	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Cyclohexane	FB	Ave	11363 904173	20559 1716728	121800	241271	500643	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chlorobromomethane	FB	Ave	2116 144407	3336 289523	17038	33968	72931	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chloroform	FB	Ave	9544 639408	14429 1288463	80040	152524	322406	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Ethyl acetate	FB	Ave	24792 2263151	45419 4631392	235349	491638	1048271	5.00 400	10.0 800	50.0	100	200
Carbon tetrachloride	FB	Ave	5463 375914	7927 757679	48230	93476	198141	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	12827 790908	19141 1545716	89814	179584	374479	5.00 400	10.0 800	50.0	100	200
sec-Butyl Alcohol	FB	Ave	12118 1103850	23053 2152306	111074	244906	501984	25.0 2000	50.0 4000	250	500	1000
1,1,1-Trichloroethane	FB	Ave	7856 519536	12540 1023629	68176	131281	283172	0.500 40.0	1.00 80.0	5.00	10.0	20.0

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48701

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Butanone (MEK)	FB	Ave	16129 1047269	23199 2093580	105887	236480	491579	5.00 400	10.0 800	50.0	100	200
1,1-Dichloropropene	FB	Ave	7267 520634	11007 1064726	63358	124902	280860	0.500 40.0	1.00 80.0	5.00	10.0	20.0
n-Heptane	FB	Ave	11018 969521	18406 1925322	119025	239378	529679	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Benzene	FB	Ave	19274 1407044	30433 2858692	172339	346778	747288	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Tert-amyl methyl ether	FB	Ave	11480 802225	18038 1566222	95282	193119	394308	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	4909 346119	7912 715154	37354	79837	170539	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2,4,4-Trimethyl-1-pentene	FB	Ave	6352 379338	8721 701991	49740	96730	209340	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Isopropyl acetate	FB	Ave	51928 4594317	101483 8911671	531347	1080300	2200123	5.00 400	10.0 800	50.0	100	200
Methylcyclohexane	FB	Ave	7897 645837	14702 1237996	84509	170210	363872	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Trichloroethene	FB	Ave	3941 328348	7101 677158	37433	77629	169103	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2,4,4-Trimethyl-2-pentene	FB	Ave	2729 195663	4045 393971	24237	47089	105432	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Dibromomethane	FB	Ave	1791 125562	2872 256520	14738	28720	62419	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	5066 316433	8031 592597	39984	79841	164993	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Dichlorobromomethane	FB	Ave	5066 368193	8284 769426	40935	82755	185450	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Methyl methacrylate	FB	Ave	1396 94996	2139 203394	9630	20907	45054	0.500 40.0	1.00 80.0	5.00	10.0	20.0
n-Propyl acetate	FB	Ave	31447 2806908	58119 5863404	299593	624398	1338334	5.00 400	10.0 800	50.0	100	200
2-Chloroethyl vinyl ether	FB	Lin	4568 400324	6758 906674	35337	77169	177717	5.00 400	10.0 800	50.0	100	200
cis-1,3-Dichloropropene	FB	Ave	5678 432998	8547 912617	48273	97814	221305	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Toluene	FB	Ave	10336 738253	15837 1553625	86910	175791	388083	0.500 40.0	1.00 80.0	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	30597 2246234	49694 4087795	241736	516674	1078076	5.00 400	10.0 800	50.0	100	200
Tetrachloroethene	FB	Ave	2540 193906	4186 413998	23372	47111	106416	0.500 40.0	1.00 80.0	5.00	10.0	20.0

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48701

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
trans-1,3-Dichloropropene	FB	Ave	4253 314581	6551 666550	34136	70961	158618	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Isobutyl acetate	FB	Ave	75250 6429112	141950 11874507	769321	1553104	3101904	5.00 400	10.0 800	50.0	100	200
1,1,2-Trichloroethane	FB	Lin1	2236 137271	2854 284316	15400	29985	66278	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Chlorodibromomethane	FB	Ave	2255 164179	3419 346032	17235	36050	81213	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,3-Dichloropropane	FB	Ave	4202 305050	6665 641485	33082	67881	149877	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Ethylene Dibromide	FB	Ave	1910 137196	2862 288980	14581	30530	66860	0.500 40.0	1.00 80.0	5.00	10.0	20.0
n-Butyl acetate	FB	Ave	44554 3584782	82387 7209917	409863	825295	1704702	5.00 400	10.0 800	50.0	100	200
2-Hexanone	FB	Ave	21345 1428419	29063 2865435	137333	320437	668449	5.00 400	10.0 800	50.0	100	200
Chlorobenzene	CBZ	Ave	9205 708518	14727 1509119	80976	164446	360562	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	20676 1413558	31035 2877998	175955	346096	755744	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	3014 222021	4910 446761	26214	53450	114747	0.500 40.0	1.00 80.0	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	30532 2194022	48240 4399323	270677	542733	1174641	1.00 80.0	2.00 160	10.0	20.0	40.0
o-Xylene	CBZ	Ave	16590 1197814	26491 2315598	146751	297477	631016	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Styrene	CBZ	Ave	11530 836793	17515 1679316	97693	193796	421136	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Bromoform	DCB	Ave	1363 93408	2020 185008	10145	21518	47049	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Isopropylbenzene	CBZ	Ave	18706 1444529	30180 2815818	177679	356453	764824	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Bromobenzene	CBZ	Ave	9341 625196	15045 1180053	78817	159829	325603	0.500 40.0	1.00 80.0	5.00	10.0	20.0
N-Propylbenzene	CBZ	Ave	25305 1787361	40882 3412692	230680	460055	975719	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	3076 200765	4698 374711	23962	48915	97095	0.500 40.0	1.00 80.0	5.00	10.0	20.0
2-Chlorotoluene	CBZ	Ave	16985 1155992	27829 2223583	154727	303424	626613	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,3,5-Trimethylbenzene	CBZ	Ave	16026 1146698	25547 2187971	148416	297760	612474	0.500 40.0	1.00 80.0	5.00	10.0	20.0

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48701

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,3-Trichloropropane	CBZ	Lin2	755 41997	1073 80793	5035	9953	20219	0.500 40.0	1.00 80.0	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	CBZ	Lin1	1433 75627	1632 140395	8205	16285	36362	0.500 40.0	1.00 80.0	5.00	10.0	20.0
4-Chlorotoluene	CBZ	Ave	15421 1040006	23603 1988967	131394	269054	552065	0.500 40.0	1.00 80.0	5.00	10.0	20.0
tert-Butylbenzene	CBZ	Ave	12451 943217	19576 1777426	117503	234954	503011	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2,4-Trimethylbenzene	CBZ	Ave	17329 1137324	26971 2124712	152226	295161	606154	0.500 40.0	1.00 80.0	5.00	10.0	20.0
sec-Butylbenzene	CBZ	Ave	21485 1557321	34738 2922053	203615	406385	854111	0.500 40.0	1.00 80.0	5.00	10.0	20.0
4-Isopropyltoluene	CBZ	Ave	16891 1159908	25790 2192884	154060	305895	635879	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,3-Dichlorobenzene	CBZ	Ave	7984 501043	12223 964032	66461	132068	266488	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	7837 488193	12357 934562	64869	128851	260477	0.500 40.0	1.00 80.0	5.00	10.0	20.0
n-Butylbenzene	DCB	Ave	18840 1254934	30499 2343201	177857	348841	717594	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	6768 408294	10236 777635	53767	107179	217446	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	339 21402	537 41881	2783	5289	11241	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,3,5-Trichlorobenzene	DCB	Ave	4913 358258	8930 681678	49374	99041	197692	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Hexachlorobutadiene	DCB	Ave	2197 136882	3426 255841	19675	39000	82229	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	4463 262092	6983 505140	34712	69208	141932	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Naphthalene	DCB	Ave	6268 356684	9187 700019	42988	88664	176157	0.500 40.0	1.00 80.0	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	3551 198118	4719 376595	25146	51725	102596	0.500 40.0	1.00 80.0	5.00	10.0	20.0
Dibromofluoromethane	FB	Ave	123486 121377	114235 125436	113868	115917	135188	20.0 20.0	20.0 20.0	20.0	20.0	20.0
Toluene-d8 (Surr)	FB	Ave	452927 473522	428628 499941	428719	446458	512124	20.0 20.0	20.0 20.0	20.0	20.0	20.0
4-Bromofluorobenzene	CBZ	Ave	182984 184336	173044 181531	169284	177504	196681	20.0 20.0	20.0 20.0	20.0	20.0	20.0

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48701

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 09/08/2009 16:02 Calibration End Date: 09/08/2009 18:49 Calibration ID: 4239

Curve Type Legend:

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44788.D		
Lims ID:	STD20	Client ID:	
Inject. Date:	08-Sep-2009 16:02:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	5
Sample ID:	STD20		
Misc. Info.:	360-0001106-002		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	48701	Lims Sample ID:	2
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:38:42	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:13:23
Reviewed By:	rouleauc	Date:	09-Sep-2009 10:15:14
Reviewed By:	rouleauc	Date:	09-Sep-2009 10:38:42

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.638	1.638	0.000	277413	20.0	M
2 Chloromethane	50	1.819	1.818	0.001	494926	20.5	
3 Vinyl chloride	62	1.922	1.922	0.000	349420	20.6	
4 Bromomethane	94	2.269	2.268	0.001	171388	20.0	
5 Chloroethane	64	2.403	2.397	0.006	198496	21.5	
6 Trichlorofluoromethane	101	2.553	2.547	0.006	296832	19.9	
7 Ethyl ether	59	2.868	2.862	0.006	130727	18.7	
9 Ethanol	45	3.070	3.070	0.000	45571	968.6	
8 1,1-Dichloroethene	96	3.065	3.059	0.006	181410	20.6	
10 Carbon disulfide	76	3.080	3.069	0.011	775704	19.4	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.132	3.126	0.006	103424	19.4	
12 Acrolein	56	3.400	3.395	0.005	926931	867.5	
13 Isopropyl alcohol	45	3.556	3.550	0.006	278274	930.0	
14 Methylene Chloride	84	3.628	3.622	0.006	200380	20.0	
15 Acetone	43	3.685	3.679	0.006	257117	170.2	
16 trans-1,2-Dichloroethene	61	3.778	3.772	0.006	380818	18.8	
17 Methyl acetate	43	3.804	3.804	0.000	758783	181.4	
18 Hexane	57	3.855	3.849	0.006	486481	19.9	
19 Methyl tert-butyl ether	73	3.886	3.875	0.011	352465	17.5	
20 2-Methyl-2-propanol	59	3.974	3.968	0.006	87491	167.4	
21 Isopropyl ether	45	4.227	4.222	0.005	1040620	18.2	
22 1,1-Dichloroethane	63	4.341	4.330	0.011	425340	19.9	
23 Acrylonitrile	53	4.403	4.392	0.011	34950	18.7	
24 Tert-butyl ethyl ether	59	4.553	4.542	0.011	614697	17.9	
25 Vinyl acetate	43	4.568	4.563	0.005	3153836	191.0	
26 cis-1,2-Dichloroethene	61	4.811	4.800	0.011	327991	18.5	
27 2,2-Dichloropropane	77	4.910	4.899	0.011	293186	22.0	
28 Cyclohexane	56	4.977	4.971	0.006	500643	19.7	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
29 Chlorobromomethane	130	4.982	4.976	0.006	72931	18.3	
30 Chloroform	83	5.044	5.038	0.006	322406	19.2	
31 Ethyl acetate	43	5.158	5.147	0.011	1048271	186.0	
32 Carbon tetrachloride	117	5.163	5.152	0.011	198141	18.9	
33 Tetrahydrofuran	42	5.178	5.172	0.006	374479	186.2	
34 sec-Butyl Alcohol	45	5.189	5.183	0.006	501984	917.8	
$ 35 Dibromofluoromethane	113	5.204	5.193	0.011	135188	20.2	
36 1,1,1-Trichloroethane	97	5.225	5.214	0.011	283172	18.9	
37 2-Butanone (MEK)	43	5.318	5.307	0.011	491579	189.0	
38 1,1-Dichloropropene	75	5.328	5.317	0.011	280860	19.6	
39 n-Heptane	43	5.499	5.493	0.006	529679	20.7	
40 Benzene	78	5.540	5.534	0.006	747288	19.2	
41 Tert-amyl methyl ether	73	5.633	5.622	0.011	394308	18.0	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.659	5.648	0.011	27270	20.0	
43 1,2-Dichloroethane	62	5.711	5.705	0.006	170539	18.2	
* 44 Fluorobenzene	96	5.886	5.875	0.011	574848	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.907	5.901	0.006	209340	21.5	
46 Isopropyl acetate	43	5.912	5.901	0.011	2200123	184.4	
47 Methylcyclohexane	83	6.010	5.999	0.011	363872	20.2	
48 Trichloroethene	95	6.015	6.010	0.005	169103	19.4	
49 2,4,4-Trimethyl-2-pentene	112	6.046	6.035	0.011	105432	19.6	
50 Dibromomethane	93	6.362	6.356	0.006	62419	18.2	
51 1,2-Dichloropropane	63	6.444	6.439	0.005	164993	20.4	
52 Dichlorobromomethane	83	6.486	6.480	0.006	185450	18.7	
53 Methyl methacrylate	69	6.610	6.604	0.006	45054	17.7	
54 1,4-Dioxane	88	6.651	6.651	0.000	4860	165.5	
55 n-Propyl acetate	43	6.718	6.712	0.006	1338334	187.4	
56 2-Chloroethyl vinyl ether	63	6.935	6.929	0.006	177717	170.2	
57 cis-1,3-Dichloropropene	75	6.987	6.976	0.011	221305	19.4	
$ 58 Toluene-d8 (Surr)	98	7.132	7.126	0.006	512124	20.1	
59 Toluene	92	7.173	7.162	0.011	388083	19.7	
60 Tetrachloroethene	164	7.462	7.457	0.005	106416	19.9	
61 4-Methyl-2-pentanone (MIBK)	43	7.462	7.457	0.005	1078076	183.6	
62 trans-1,3-Dichloropropene	75	7.488	7.482	0.006	158618	19.0	
63 Isobutyl acetate	43	7.550	7.544	0.006	3101904	184.2	
64 1,1,2-Trichloroethane	83	7.617	7.606	0.011	66278	18.5	
65 Chlorodibromomethane	129	7.752	7.746	0.006	81213	18.8	
66 1,3-Dichloropropane	76	7.829	7.824	0.005	149877	18.4	
67 Ethylene Dibromide	107	7.943	7.937	0.006	66860	18.4	
68 n-Butyl acetate	43	8.021	8.015	0.006	1704702	179.7	
69 2-Hexanone	43	8.103	8.097	0.006	668449	182.7	
* 70 Chlorobenzene-d5	117	8.325	8.320	0.005	348048	20.0	
71 Chlorobenzene	112	8.341	8.335	0.006	360562	19.0	
72 Ethylbenzene	91	8.356	8.351	0.005	755744	20.4	
73 1,1,1,2-Tetrachloroethane	131	8.387	8.382	0.005	114747	19.9	
74 m-Xylene & p-Xylene	91	8.465	8.459	0.006	1174641	38.6	
75 o-Xylene	91	8.796	8.790	0.006	631016	19.1	
76 Styrene	104	8.837	8.831	0.006	421136	18.8	
77 Bromoform	173	8.863	8.857	0.006	47049	18.3	
78 Isopropylbenzene	105	9.039	9.033	0.006	764824	19.5	
$ 80 4-Bromofluorobenzene	95	9.261	9.255	0.006	196681	19.7	
81 Bromobenzene	77	9.349	9.343	0.006	325603	18.4	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
82 N-Propylbenzene	91	9.359	9.353	0.006	975719	19.3	
83 1,1,2,2-Tetrachloroethane	83	9.411	9.405	0.006	97095	18.1	
84 2-Chlorotoluene	91	9.483	9.482	0.001	626613	18.8	
85 1,3,5-Trimethylbenzene	105	9.509	9.503	0.006	612474	19.0	
86 1,2,3-Trichloropropane	110	9.524	9.519	0.005	20219	18.7	
87 trans-1,4-Dichloro-2-butene	53	9.555	9.550	0.005	36362	19.7	
88 4-Chlorotoluene	91	9.617	9.612	0.005	552065	18.8	
89 tert-Butylbenzene	119	9.762	9.756	0.006	503011	19.6	
90 1,2,4-Trimethylbenzene	105	9.814	9.808	0.006	606154	18.5	
91 sec-Butylbenzene	105	9.897	9.896	0.000	854111	19.5	
92 4-Isopropyltoluene	119	10.010	10.004	0.006	635879	19.2	
93 1,3-Dichlorobenzene	146	10.077	10.077	0.000	266488	18.2	
* 94 1,4-Dichlorobenzene-d4	152	10.134	10.134	0.000	155780	20.0	
95 1,4-Dichlorobenzene	146	10.150	10.144	0.006	260477	18.8	
96 n-Butylbenzene	91	10.351	10.351	0.000	717594	20.0	
97 1,2-Dichlorobenzene	146	10.506	10.500	0.006	217446	18.7	
98 1,2-Dibromo-3-Chloropropane	157	11.287	11.276	0.011	11241	18.7	
99 1,3,5-Trichlorobenzene	180	11.307	11.307	0.000	197692	19.6	
100 Hexachlorobutadiene	225	12.036	12.030	0.006	82229	20.4	
101 1,2,4-Trichlorobenzene	180	12.083	12.082	0.001	141932	18.7	
102 Naphthalene	128	12.553	12.547	0.006	176157	17.6	
103 1,2,3-Trichlorobenzene	180	12.827	12.821	0.006	102596	18.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:38:42 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44788.D

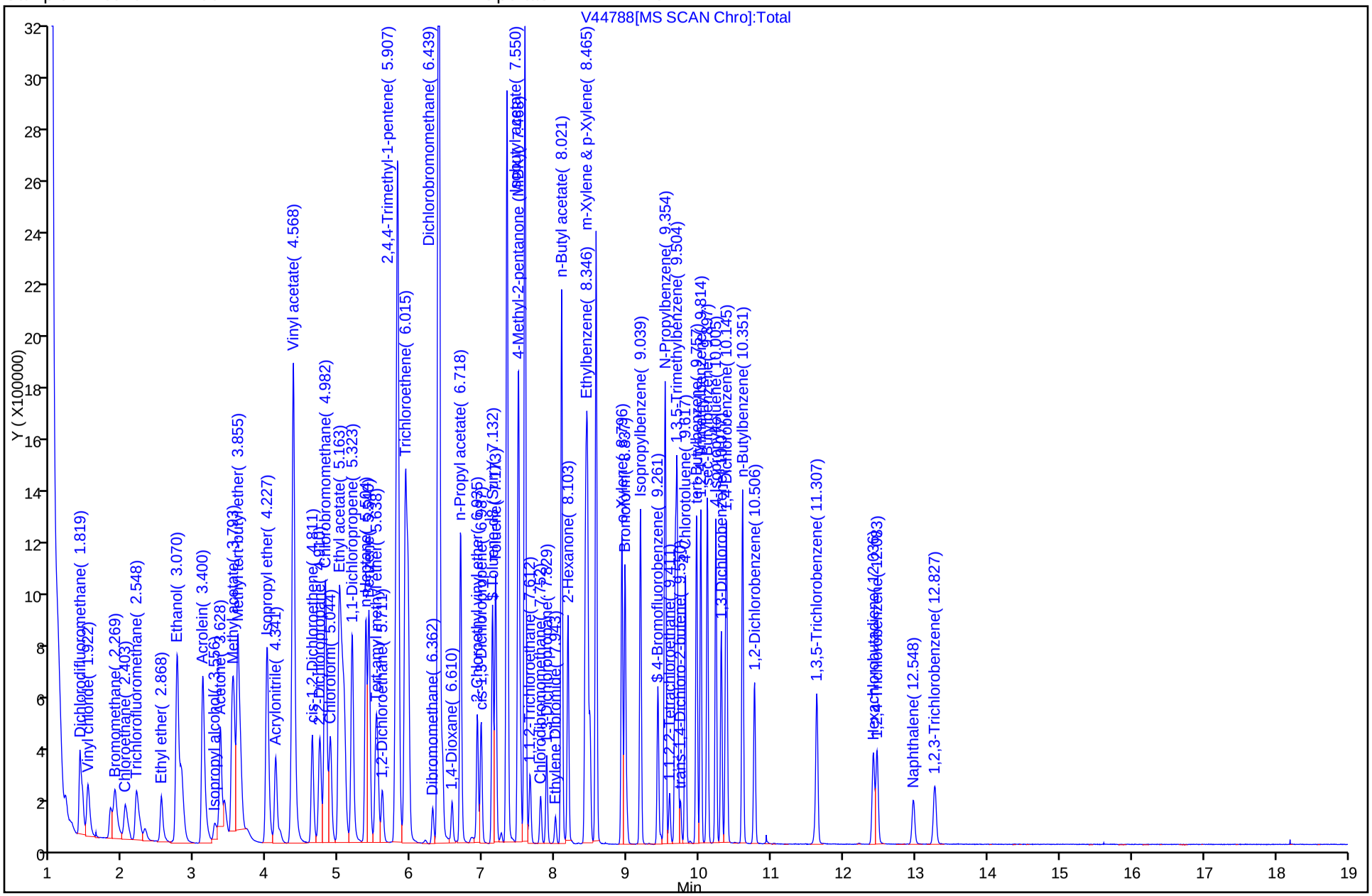
Inj Date: 08-Sep-2009 16:02:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 2

Client ID: Instrument: HP #1 GC/MS

Sample Info: STD20

Sample Amount: 1.00 Operator: CR



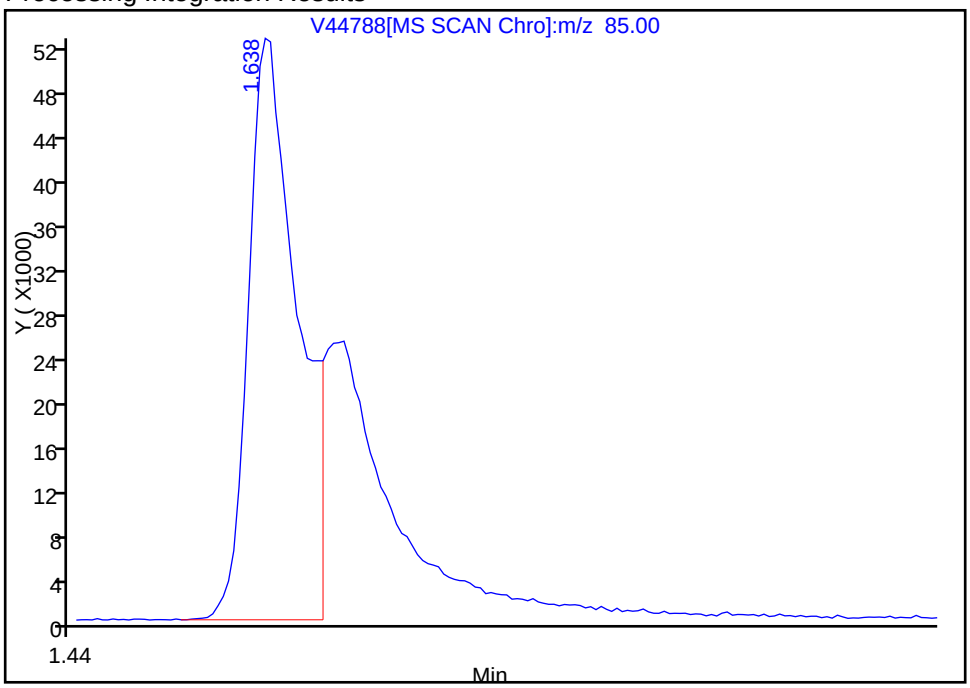
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44788.D		
Inj Date:	08-Sep-2009 16:02:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	2
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD20		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

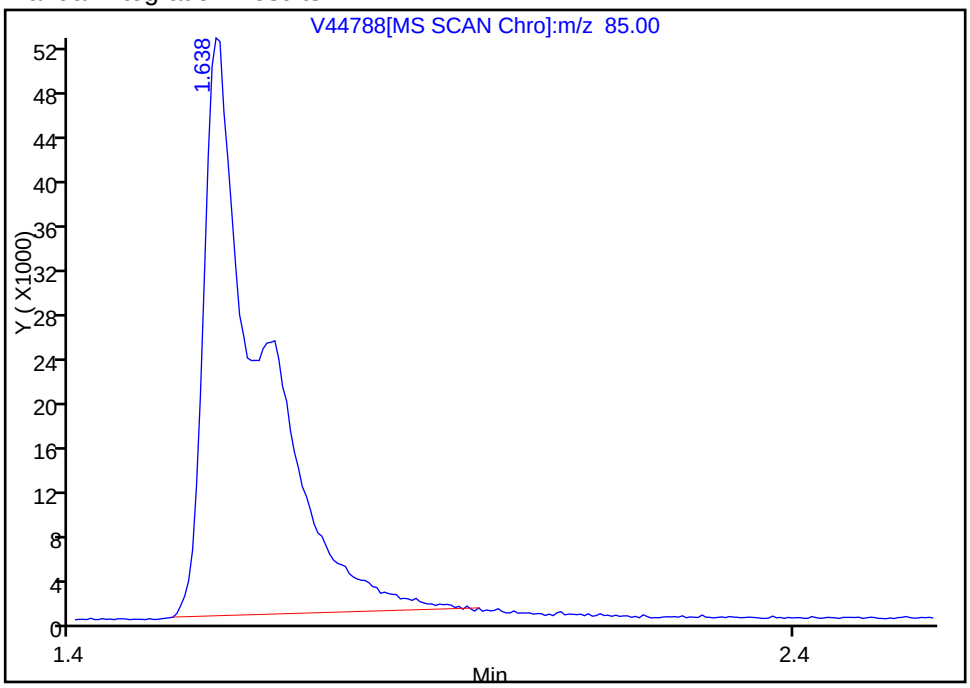
Processing Integration Results

RT: 1.64
Response: 178862
Amount: 21.016597



Manual Integration Results

RT: 1.64
Response: 277413
Amount: 19.998027



Reviewer: rouleauc, 09-Sep-2009 10:13:23
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44790.D		
Lims ID:	STD0005	Client ID:	
Inject. Date:	08-Sep-2009 16:50:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD0005		
Misc. Info.:	360-0001106-003		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	48701	Lims Sample ID:	3
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:25:02	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:25:01

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.637	1.637	0.000	6613	0.5325	M
2 Chloromethane	50	1.818	1.818	0.000	13500	0.5808	
3 Vinyl chloride	62	1.911	1.922	-0.011	9169	0.5656	
4 Bromomethane	94	2.273	2.268	0.005	4659	0.5790	
5 Chloroethane	64	2.402	2.397	0.005	6253	0.5146	
6 Trichlorofluoromethane	101	2.547	2.547	0.000	7549	0.5661	
7 Ethyl ether	59	2.867	2.862	0.005	4193	0.6261	
9 Ethanol	45	3.002	3.002	0.000	2999	44.1	M
8 1,1-Dichloroethene	96	3.058	3.059	-0.001	5398	0.6335	
10 Carbon disulfide	76	3.079	3.069	0.010	20131	0.5616	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.126	3.126	0.000	2723	0.5697	
12 Acrolein	56	3.405	3.395	0.010	25904	29.9	
13 Isopropyl alcohol	45	3.554	3.550	0.004	10207	23.7	
14 Methylene Chloride	84	3.627	3.622	0.005	13721	0.5188	
15 Acetone	43	3.689	3.679	0.010	13088	5.16	
16 trans-1,2-Dichloroethene	61	3.777	3.772	0.005	10336	0.5698	
17 Methyl acetate	43	3.803	3.803	0.000	19653	5.25	M
18 Hexane	57	3.854	3.849	0.005	11256	0.5132	
19 Methyl tert-butyl ether	73	3.885	3.875	0.010	10690	0.5942	
20 2-Methyl-2-propanol	59	3.983	3.968	0.015	2360	5.56	
21 Isopropyl ether	45	4.226	4.222	0.004	29981	0.5855	
22 1,1-Dichloroethane	63	4.335	4.330	0.005	11854	0.5818	
23 Acrylonitrile	53	4.392	4.392	0.000	2485	0.7601	
24 Tert-butyl ethyl ether	59	4.547	4.542	0.005	17543	0.5712	
25 Vinyl acetate	43	4.567	4.563	0.004	86693	5.87	
26 cis-1,2-Dichloroethene	61	4.805	4.800	0.005	8721	0.5509	
27 2,2-Dichloropropane	77	4.908	4.899	0.009	8159	0.5932	
28 Cyclohexane	56	4.981	4.971	0.010	11363	0.4995	
29 Chlorobromomethane	130	4.981	4.976	0.005	2116	0.5932	
30 Chloroform	83	5.043	5.038	0.005	9544	0.5976	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.157	5.147	0.010	24792	4.91	
32 Carbon tetrachloride	117	5.162	5.152	0.010	5463	0.5807	
33 Tetrahydrofuran	42	5.188	5.172	0.016	12827	6.54	
34 sec-Butyl Alcohol	45	5.193	5.183	0.010	12118	24.7	
$ 35 Dibromofluoromethane	113	5.198	5.193	0.005	123486	20.6	
36 1,1,1-Trichloroethane	97	5.224	5.214	0.010	7856	0.5849	
37 2-Butanone (MEK)	43	5.322	5.307	0.015	16129	6.45	
38 1,1-Dichloropropene	75	5.322	5.317	0.005	7267	0.5658	
39 n-Heptane	43	5.498	5.493	0.005	11018	0.4799	
40 Benzene	78	5.539	5.534	0.005	19274	0.5542	
41 Tert-amyl methyl ether	73	5.632	5.622	0.010	11480	0.5855	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.658	5.648	0.010	22139	20.0	
43 1,2-Dichloroethane	62	5.715	5.705	0.010	4909	0.5865	
* 44 Fluorobenzene	96	5.880	5.875	0.005	514582	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.901	5.901	0.000	6352	0.6436	
46 Isopropyl acetate	43	5.911	5.901	0.010	51928	4.86	
47 Methylcyclohexane	83	6.004	5.999	0.005	7897	0.4892	
48 Trichloroethene	95	6.014	6.010	0.004	3941	0.5049	
49 2,4,4-Trimethyl-2-pentene	112	6.035	6.035	0.000	2729	0.5666	
50 Dibromomethane	93	6.355	6.356	-0.001	1791	0.5833	
51 1,2-Dichloropropane	63	6.438	6.439	-0.001	5066	0.6197	
52 Dichlorobromomethane	83	6.485	6.480	0.005	5066	0.5703	
53 Methyl methacrylate	69	6.614	6.604	0.010	1396	0.6142	
54 1,4-Dioxane	88		6.647				1
55 n-Propyl acetate	43	6.717	6.712	0.005	31447	4.92	
56 2-Chloroethyl vinyl ether	63	6.934	6.929	0.005	4568	5.35	
57 cis-1,3-Dichloropropene	75	6.986	6.976	0.010	5678	0.5552	
$ 58 Toluene-d8 (Surr)	98	7.131	7.126	0.005	452927	19.8	
59 Toluene	92	7.167	7.162	0.005	10336	0.5693	
60 Tetrachloroethene	164	7.461	7.457	0.004	2540	0.5301	
61 4-Methyl-2-pentanone (MIBK)	43	7.461	7.457	0.004	30597	5.82	
62 trans-1,3-Dichloropropene	75	7.492	7.482	0.010	4253	0.5685	
63 Isobutyl acetate	43	7.544	7.544	0.000	75250	4.99	
64 1,1,2-Trichloroethane	83	7.611	7.606	0.005	2236	0.6687	
65 Chlorodibromomethane	129	7.751	7.746	0.005	2255	0.5828	
66 1,3-Dichloropropane	76	7.828	7.824	0.004	4202	0.5774	
67 Ethylene Dibromide	107	7.942	7.937	0.005	1910	0.5884	
68 n-Butyl acetate	43	8.020	8.015	0.005	44554	5.25	
69 2-Hexanone	43	8.102	8.097	0.005	21345	6.41	
* 70 Chlorobenzene-d5	117	8.324	8.320	0.004	309082	20.0	
71 Chlorobenzene	112	8.335	8.335	0.000	9205	0.5473	
72 Ethylbenzene	91	8.350	8.351	-0.001	20676	0.5875	
73 1,1,1,2-Tetrachloroethane	131	8.392	8.382	0.010	3014	0.5606	
74 m-Xylene & p-Xylene	91	8.464	8.459	0.005	30532	1.13	
75 o-Xylene	91	8.795	8.790	0.005	16590	0.5658	
76 Styrene	104	8.836	8.831	0.005	11530	0.5784	
77 Bromoform	173	8.857	8.857	0.000	1363	0.5564	
78 Isopropylbenzene	105	9.038	9.033	0.005	18706	0.5380	
$ 80 4-Bromofluorobenzene	95	9.260	9.255	0.005	182984	20.7	
81 Bromobenzene	77	9.342	9.343	-0.001	9341	0.5931	
82 N-Propylbenzene	91	9.358	9.353	0.005	25305	0.5641	
83 1,1,2,2-Tetrachloroethane	83	9.410	9.405	0.005	3076	0.5705	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.482	9.482	0.000	16985	0.5728	
85 1,3,5-Trimethylbenzene	105	9.503	9.503	0.000	16026	0.5607	
86 1,2,3-Trichloropropane	110	9.523	9.519	0.004	755	0.5151	
87 trans-1,4-Dichloro-2-butene	53	9.549	9.550	-0.001	1433	0.5833	
88 4-Chlorotoluene	91	9.611	9.612	-0.001	15421	0.5906	
89 tert-Butylbenzene	119	9.756	9.756	0.000	12451	0.5472	
90 1,2,4-Trimethylbenzene	105	9.813	9.808	0.005	17329	0.5960	
91 sec-Butylbenzene	105	9.895	9.896	-0.001	21485	0.5524	
92 4-Isopropyltoluene	119	10.004	10.004	0.000	16891	0.5754	
93 1,3-Dichlorobenzene	146	10.076	10.077	-0.001	7984	0.6135	
* 94 1,4-Dichlorobenzene-d4	152	10.133	10.134	-0.001	156462	20.0	
95 1,4-Dichlorobenzene	146	10.149	10.144	0.005	7837	0.5623	
96 n-Butylbenzene	91	10.350	10.351	-0.001	18840	0.5220	
97 1,2-Dichlorobenzene	146	10.500	10.500	0.000	6768	0.5801	
98 1,2-Dibromo-3-Chloropropane	157	11.286	11.276	0.010	339	0.5629	
99 1,3,5-Trichlorobenzene	180	11.306	11.307	-0.001	4913	0.4850	
100 Hexachlorobutadiene	225	12.035	12.030	0.005	2197	0.5432	
101 1,2,4-Trichlorobenzene	180	12.087	12.082	0.005	4463	0.5850	
102 Naphthalene	128	12.547	12.547	0.000	6268	0.6220	
103 1,2,3-Trichlorobenzene	180	12.820	12.821	-0.001	3551	0.6292	

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:25:02 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44790.D

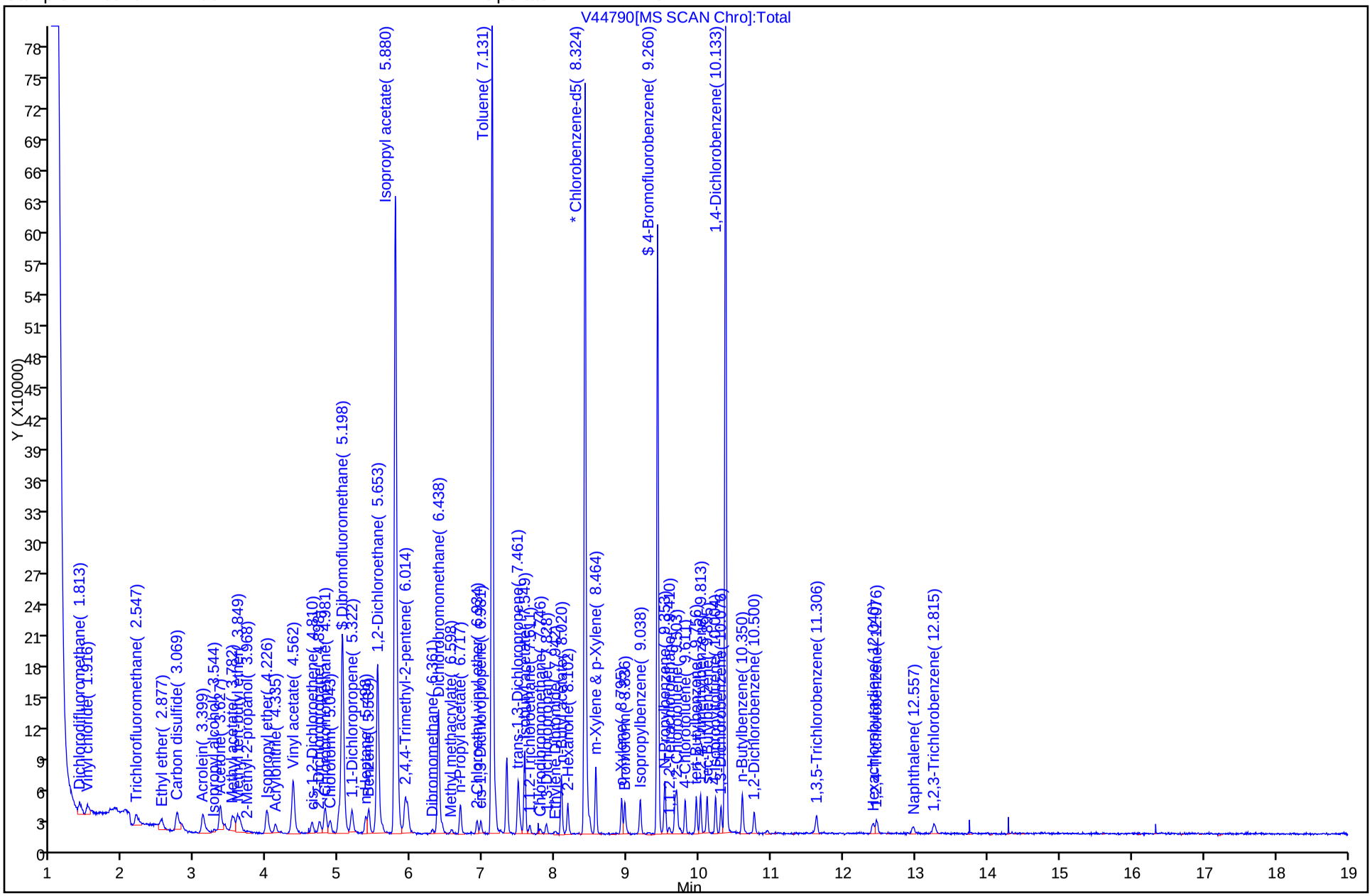
Inj Date: 08-Sep-2009 16:50:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 3

Client ID: Instrument: HP #1 GC/MS

Sample Info: STD0005

Sample Amount: 1.00 Operator: CR



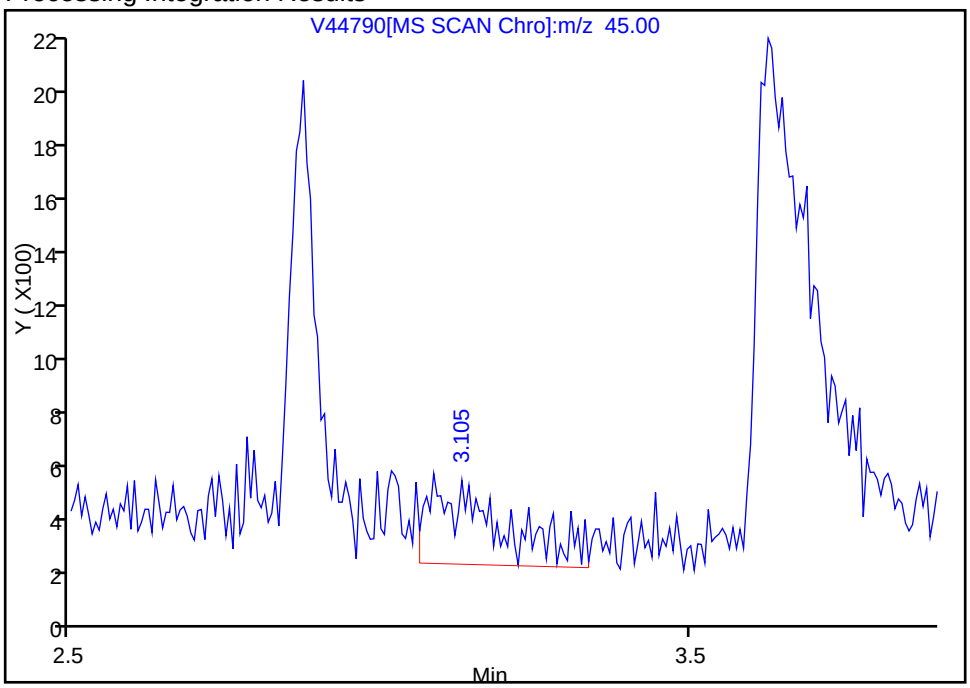
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44790.D		
Inj Date:	08-Sep-2009 16:50:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	3
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD0005		
Sample Amount:	1.00	Operator:	CR

9 Ethanol, Number: 1, m/z: 45 Type: quant, RT: 3.00

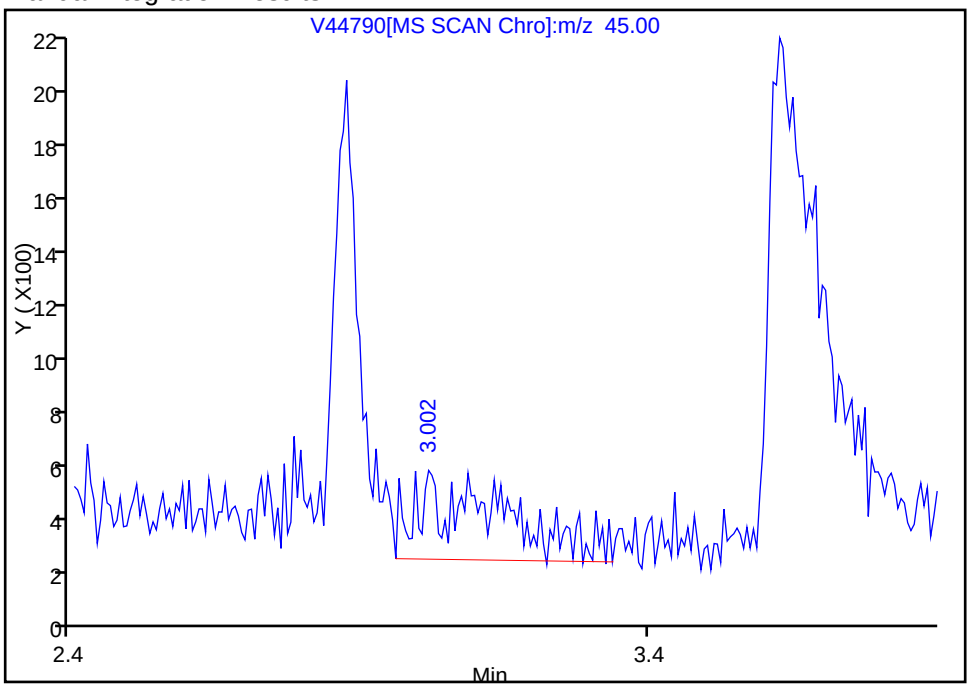
Processing Integration Results

RT: 3.10
Response: 2290
Amount: 37.487628



Manual Integration Results

RT: 3.00
Response: 2999
Amount: 44.087495



Reviewer: rouleauc, 09-Sep-2009 10:25:01
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

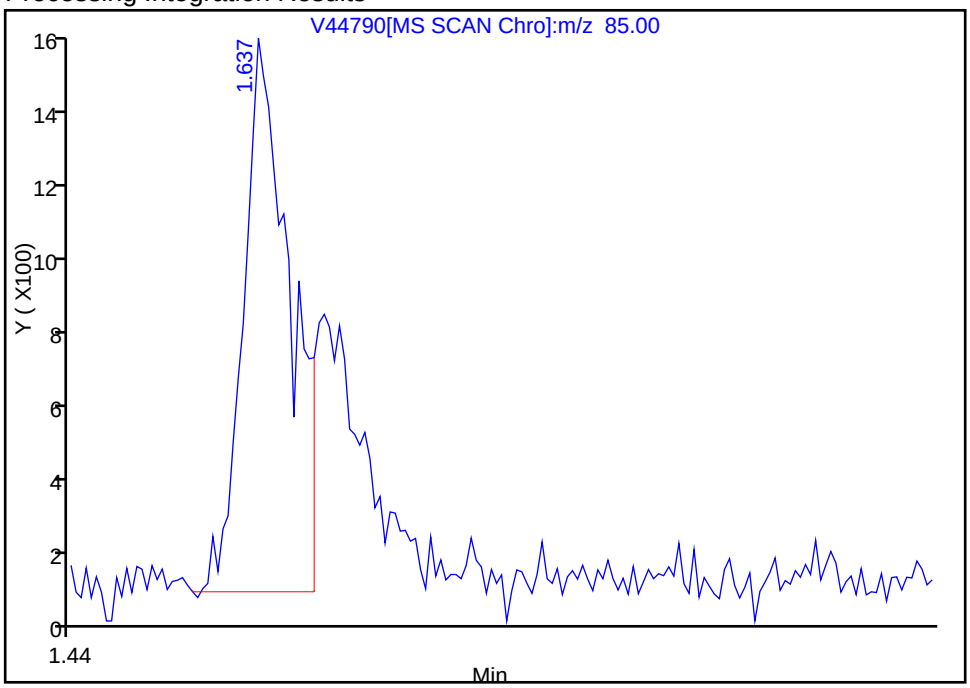
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44790.D		
Inj Date:	08-Sep-2009 16:50:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	3
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD0005		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

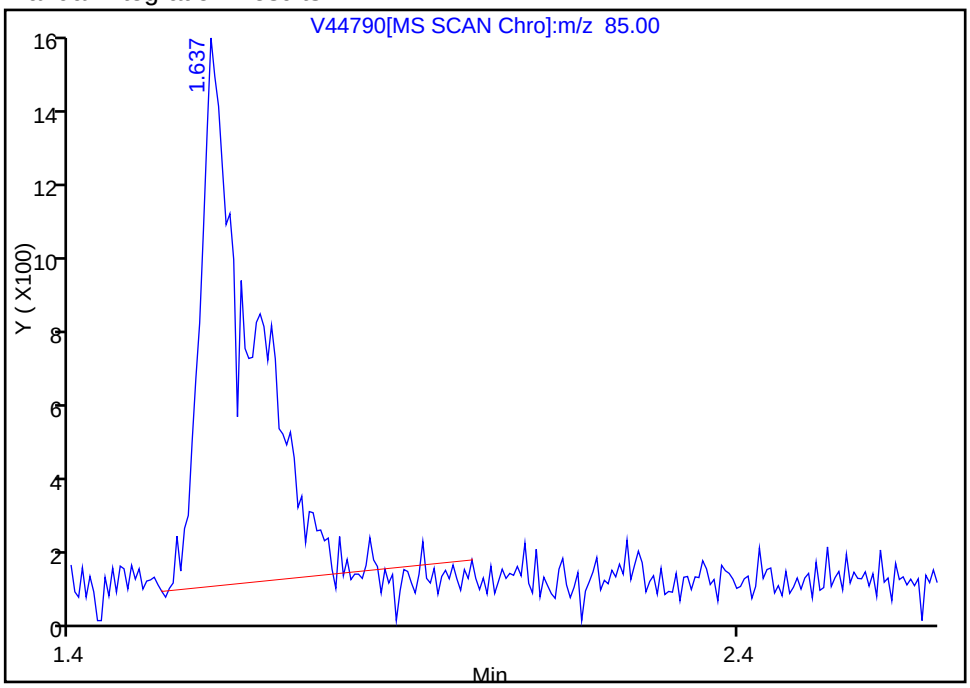
Processing Integration Results

RT: 1.64
Response: 4786
Amount: 0.402330



Manual Integration Results

RT: 1.64
Response: 6613
Amount: 0.532546



Reviewer: rouleauc, 09-Sep-2009 10:25:01
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44791.D		
Lims ID:	STD001	Client ID:	
Inject. Date:	08-Sep-2009 17:14:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	STD001		
Misc. Info.:	360-0001106-004		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	48701	Lims Sample ID:	4
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:23:29	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:23:29

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.644	1.633	0.011	10598	0.9584	
2 Chloromethane	50	1.825	1.818	0.007	20333	0.9410	
3 Vinyl chloride	62	1.918	1.922	-0.004	14220	0.9437	
4 Bromomethane	94	2.275	2.268	0.007	7794	1.04	
5 Chloroethane	64	2.399	2.397	0.002	9026	0.9131	
6 Trichlorofluoromethane	101	2.554	2.547	0.007	11834	0.9546	
7 Ethyl ether	59	2.869	2.862	0.007	6404	1.03	
8 1,1-Dichloroethene	96	3.060	3.059	0.001	7015	0.9164	
10 Carbon disulfide	76	3.076	3.069	0.007	30515	0.9144	
9 Ethanol	45	3.003	3.003	0.000	1701	37.2	M
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.127	3.126	0.001	4268	0.9605	
12 Acrolein	56	3.401	3.395	0.006	41817	50.4	
13 Isopropyl alcohol	45	3.556	3.550	0.006	17196	55.2	
14 Methylene Chloride	84	3.624	3.622	0.002	14400	0.7264	
15 Acetone	43	3.686	3.679	0.007	17392	9.53	
16 trans-1,2-Dichloroethene	61	3.779	3.772	0.007	16454	0.9745	
17 Methyl acetate	43	3.804	3.804	0.000	36950	7.96	M
18 Hexane	57	3.851	3.849	0.002	18666	0.9138	
19 Methyl tert-butyl ether	73	3.887	3.875	0.012	17244	1.03	
20 2-Methyl-2-propanol	59	3.970	3.968	0.002	4630	11.4	
21 Isopropyl ether	45	4.223	4.222	0.001	46475	0.9730	
22 1,1-Dichloroethane	63	4.337	4.330	0.007	17921	0.9462	
23 Acrylonitrile	53	4.394	4.392	0.002	2037	0.5776	
24 Tert-butyl ethyl ether	59	4.549	4.542	0.007	28665	1.00	
25 Vinyl acetate	43	4.564	4.563	0.001	133687	9.73	
26 cis-1,2-Dichloroethene	61	4.807	4.800	0.007	14483	0.9850	
27 2,2-Dichloropropane	77	4.905	4.899	0.006	12461	0.9700	
28 Cyclohexane	56	4.972	4.971	0.001	20559	0.9660	
29 Chlorobromomethane	130	4.983	4.976	0.007	3336	1.01	
30 Chloroform	83	5.040	5.038	0.002	14429	0.9664	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.153	5.147	0.006	45419	9.72	
32 Carbon tetrachloride	117	5.158	5.152	0.006	7927	0.9092	
33 Tetrahydrofuran	42	5.179	5.172	0.007	19141	10.5	
34 sec-Butyl Alcohol	45	5.189	5.183	0.006	23053	50.8	
$ 35 Dibromofluoromethane	113	5.200	5.193	0.007	114235	20.5	
36 1,1,1-Trichloroethane	97	5.226	5.214	0.012	12540	1.01	
37 2-Butanone (MEK)	43	5.313	5.307	0.006	23199	10.1	
38 1,1-Dichloropropene	75	5.324	5.317	0.007	11007	0.9224	
39 n-Heptane	43	5.494	5.493	0.001	18406	0.8604	
40 Benzene	78	5.541	5.534	0.007	30433	0.9414	
41 Tert-amyl methyl ether	73	5.629	5.622	0.007	18038	0.9896	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.655	5.648	0.007	21177	20.0	
43 1,2-Dichloroethane	62	5.711	5.705	0.006	7912	1.02	
* 44 Fluorobenzene	96	5.882	5.875	0.007	478347	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.903	5.901	0.002	8721	0.9581	
46 Isopropyl acetate	43	5.908	5.901	0.007	101483	10.2	
47 Methylcyclohexane	83	6.001	5.999	0.002	14702	0.9756	
48 Trichloroethene	95	6.011	6.010	0.001	7101	0.9411	
49 2,4,4-Trimethyl-2-pentene	112	6.037	6.035	0.002	4045	0.9034	
50 Dibromomethane	93	6.352	6.356	-0.004	2872	1.01	
51 1,2-Dichloropropane	63	6.440	6.439	0.001	8031	1.06	
52 Dichlorobromomethane	83	6.481	6.480	0.001	8284	1.01	
53 Methyl methacrylate	69	6.611	6.604	0.007	2139	1.04	
54 1,4-Dioxane	88		6.647				M
55 n-Propyl acetate	43	6.714	6.712	0.002	58119	9.78	
56 2-Chloroethyl vinyl ether	63	6.931	6.929	0.002	6758	24.5	
57 cis-1,3-Dichloropropene	75	6.978	6.976	0.002	8547	0.8990	
$ 58 Toluene-d8 (Surr)	98	7.127	7.126	0.001	428628	20.2	
59 Toluene	92	7.169	7.162	0.007	15837	0.9376	
60 Tetrachloroethene	164	7.463	7.457	0.006	4186	0.9417	
61 4-Methyl-2-pentanone (MIBK)	43	7.463	7.457	0.006	49694	10.1	
62 trans-1,3-Dichloropropene	75	7.484	7.482	0.002	6551	0.9400	
63 Isobutyl acetate	43	7.546	7.544	0.002	141950	10.1	
64 1,1,2-Trichloroethane	83	7.613	7.606	0.007	2854	0.8630	
65 Chlorodibromomethane	129	7.748	7.746	0.002	3419	0.9505	
66 1,3-Dichloropropane	76	7.830	7.824	0.006	6665	0.9852	
67 Ethylene Dibromide	107	7.939	7.937	0.002	2862	0.9499	
68 n-Butyl acetate	43	8.016	8.015	0.001	82387	10.4	
69 2-Hexanone	43	8.099	8.097	0.002	29063	9.39	
* 70 Chlorobenzene-d5	117	8.321	8.320	0.001	291251	20.0	
71 Chlorobenzene	112	8.337	8.335	0.002	14727	0.9228	
72 Ethylbenzene	91	8.352	8.351	0.001	31035	0.9352	
73 1,1,1,2-Tetrachloroethane	131	8.383	8.382	0.001	4910	0.9702	
74 m-Xylene & p-Xylene	91	8.461	8.459	0.002	48240	1.89	
75 o-Xylene	91	8.797	8.790	0.007	26491	0.9557	
76 Styrene	104	8.833	8.831	0.002	17515	0.9296	
77 Bromoform	173	8.864	8.857	0.007	2020	0.8879	
78 Isopropylbenzene	105	9.034	9.033	0.001	30180	0.9189	
$ 80 4-Bromofluorobenzene	95	9.257	9.255	0.002	173044	20.7	
81 Bromobenzene	77	9.344	9.343	0.001	15045	1.01	
82 N-Propylbenzene	91	9.355	9.353	0.002	40882	0.9676	
83 1,1,2,2-Tetrachloroethane	83	9.406	9.405	0.001	4698	0.9444	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.484	9.482	0.002	27829	0.99	
85 1,3,5-Trimethylbenzene	105	9.505	9.503	0.002	25547	0.9475	
86 1,2,3-Trichloropropane	110	9.525	9.519	0.006	1073	0.9202	
87 trans-1,4-Dichloro-2-butene	53	9.546	9.550	-0.004	1632	0.8226	
88 4-Chlorotoluene	91	9.613	9.612	0.001	23603	0.9630	
89 tert-Butylbenzene	119	9.758	9.756	0.002	19576	0.9138	
90 1,2,4-Trimethylbenzene	105	9.810	9.808	0.002	26971	0.9883	
91 sec-Butylbenzene	105	9.897	9.896	0.001	34738	0.9475	
92 4-Isopropyltoluene	119	10.006	10.004	0.002	25790	0.9349	
93 1,3-Dichlorobenzene	146	10.073	10.077	-0.004	12223	1.00	
* 94 1,4-Dichlorobenzene-d4	152	10.135	10.134	0.001	145299	20.0	
95 1,4-Dichlorobenzene	146	10.145	10.144	0.001	12357	0.9512	
96 n-Butylbenzene	91	10.352	10.351	0.001	30499	0.9099	
97 1,2-Dichlorobenzene	146	10.507	10.500	0.007	10236	0.9444	
98 1,2-Dibromo-3-Chloropropane	157	11.277	11.276	0.001	537	0.9601	
99 1,3,5-Trichlorobenzene	180	11.308	11.307	0.001	8930	0.9493	
100 Hexachlorobutadiene	225	12.032	12.030	0.002	3426	0.9121	
101 1,2,4-Trichlorobenzene	180	12.083	12.082	0.001	6983	0.9857	
102 Naphthalene	128	12.548	12.547	0.001	9187	0.9817	
103 1,2,3-Trichlorobenzene	180	12.822	12.821	0.001	4719	0.9004	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:23:29 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44791.D

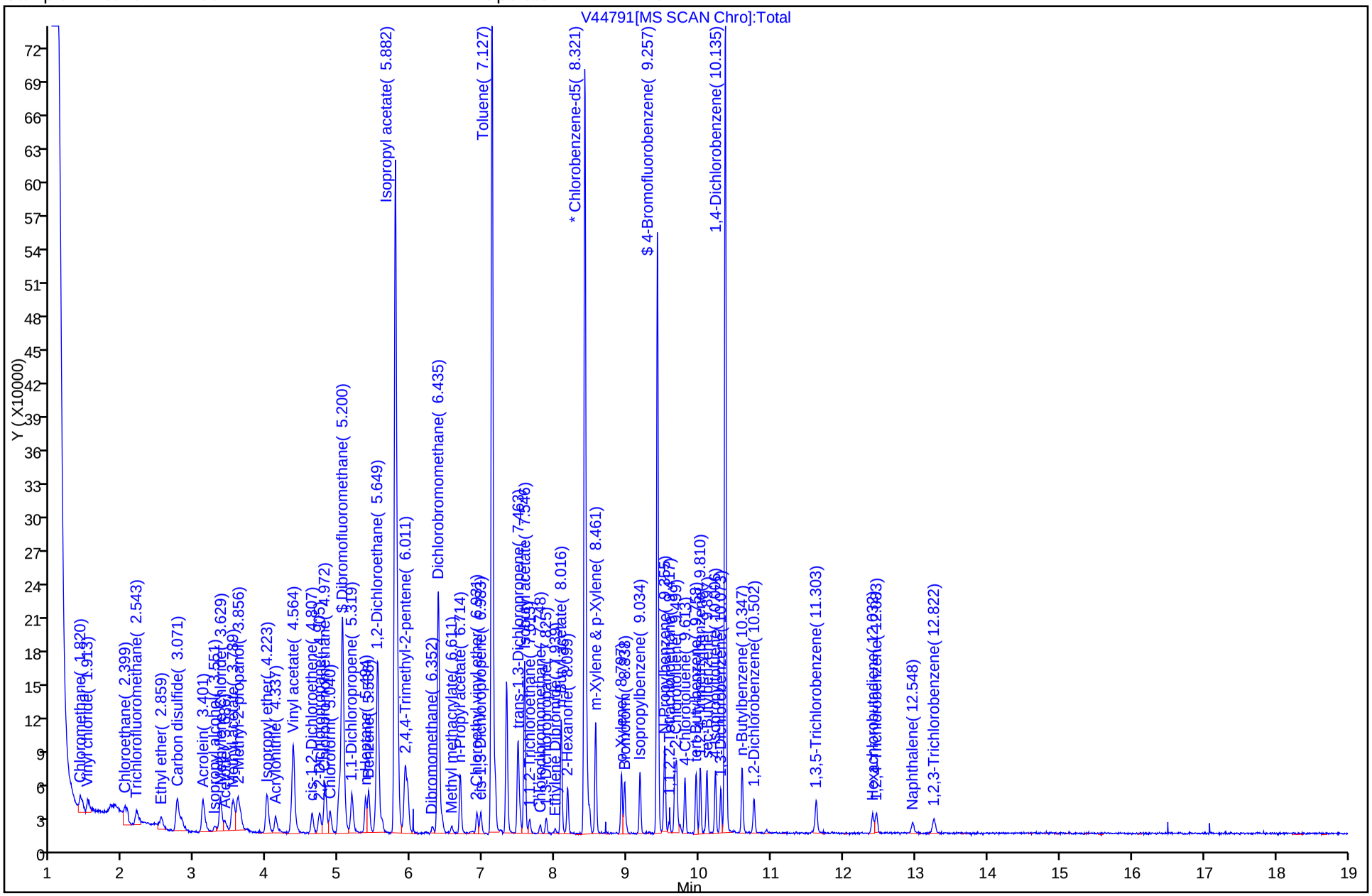
Inj Date: 08-Sep-2009 17:14:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 4

Client ID: Instrument: HP #1 GC/MS

Sample Info: STD001

Sample Amount: 1.00 Operator: CR



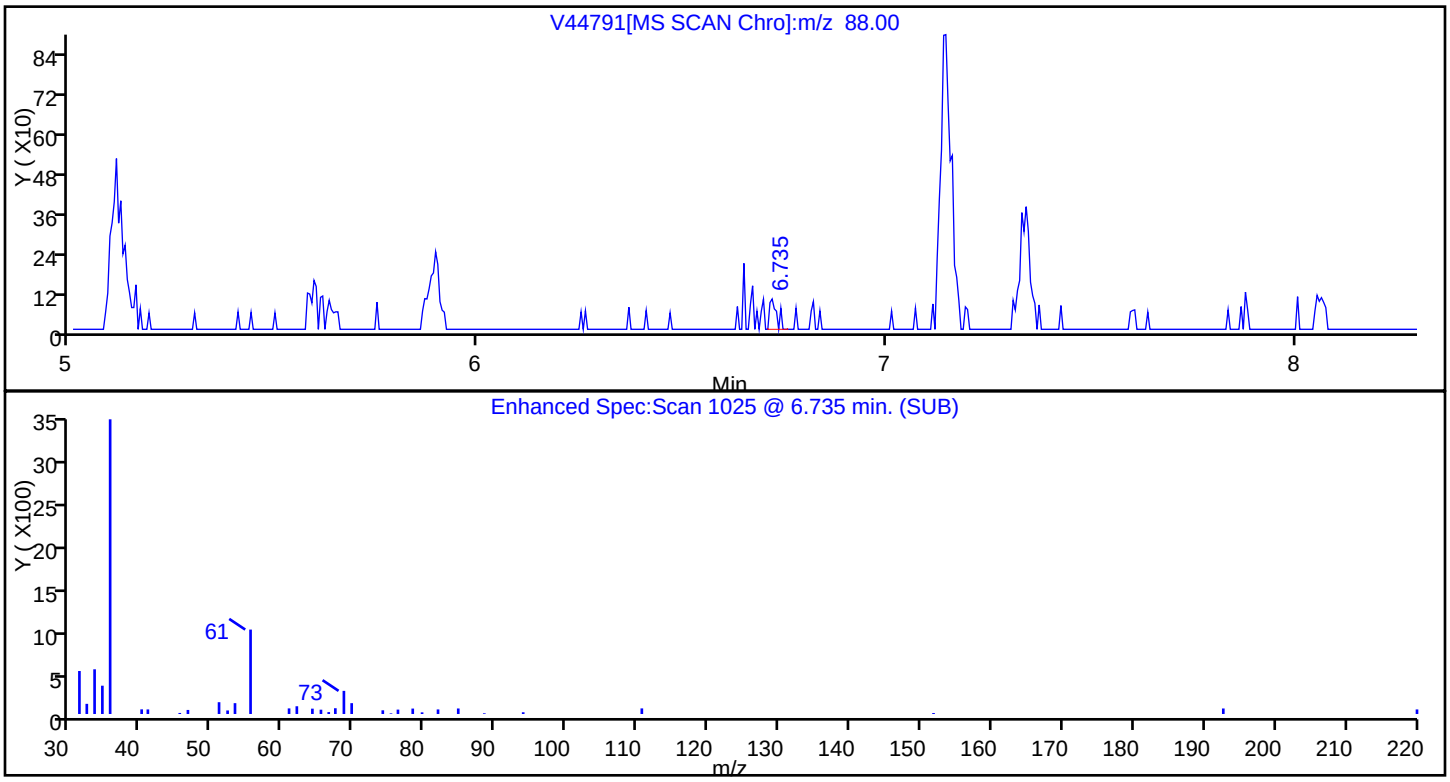
Chrom Revision: 1.0.2009.827

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44791.D		
Inj Date:	08-Sep-2009 17:14:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	4
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD001		
Sample Amount:	1.00	Operator:	CR

54 1,4-Dioxane

Processing Results



RT	Mass	Response	Amount
6.73	88.00	110	11.856826
6.72	58.00	404	

Reviewer: rouleauc, 09-Sep-2009 10:23:29
Audit Action: Marked Compound Undetected
Audit Reason:

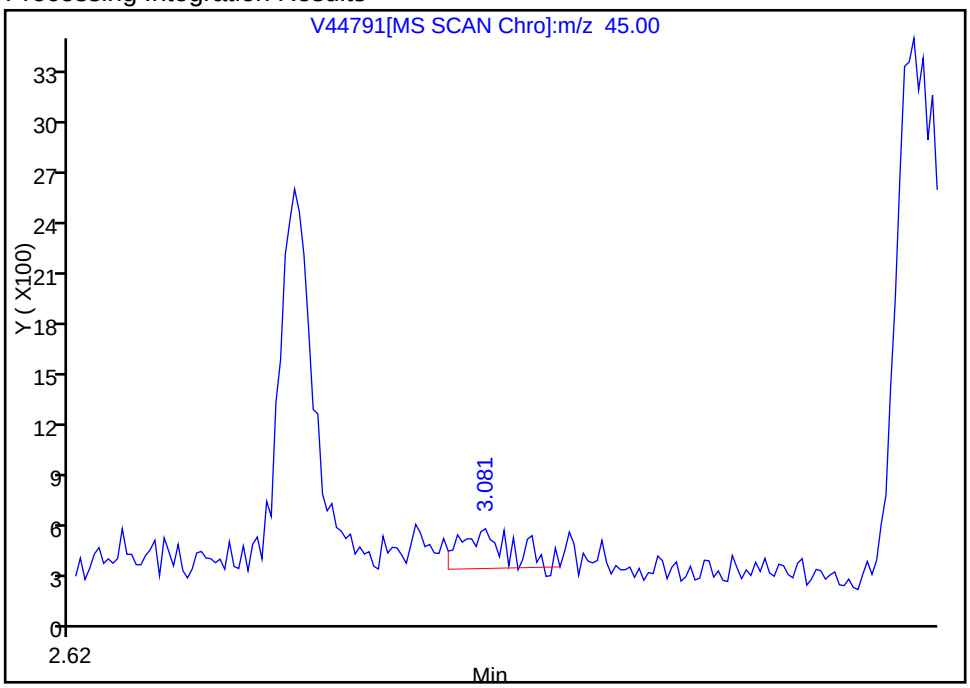
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44791.D		
Inj Date:	08-Sep-2009 17:14:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	4
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD001		
Sample Amount:	1.00	Operator:	CR

9 Ethanol, Number: 1, m/z: 45 Type: quant, RT: 3.00

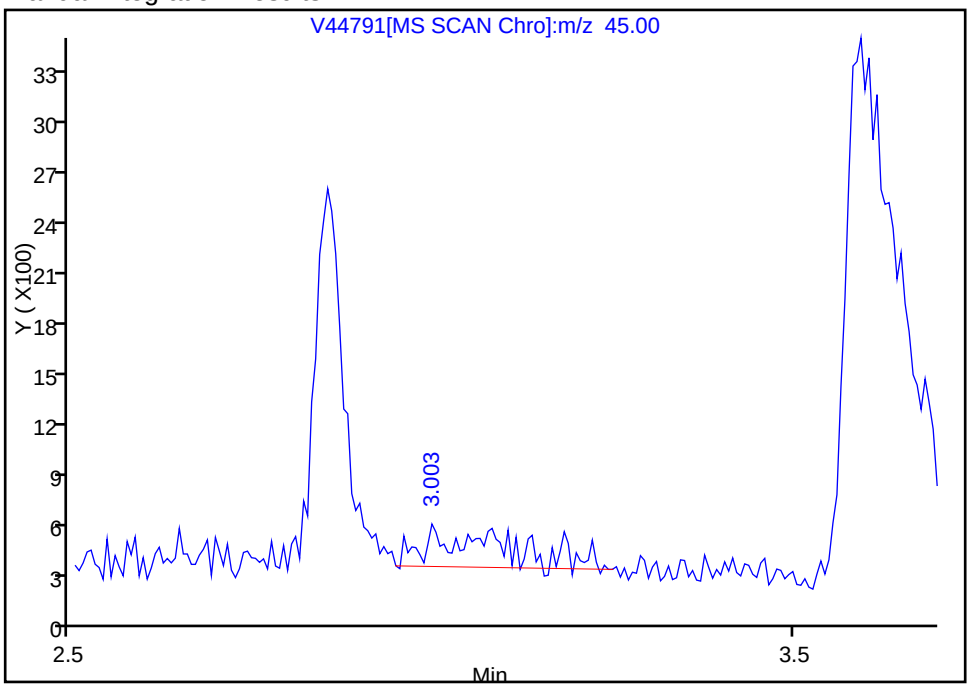
Processing Integration Results

RT: 3.08
Response: 886
Amount: 22.607864



Manual Integration Results

RT: 3.00
Response: 1701
Amount: 37.236398



Reviewer: rouleauc, 09-Sep-2009 10:23:29
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44792.D		
Lims ID:	STD005	Client ID:	
Inject. Date:	08-Sep-2009 17:38:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	STD005		
Misc. Info.:	360-0001106-005		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	48701	Lims Sample ID:	5
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:20:28	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:20:28

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.633	1.633	0.000	63118	5.64	M
2 Chloromethane	50	1.814	1.818	-0.004	116378	5.32	
3 Vinyl chloride	62	1.918	1.922	-0.004	81258	5.33	
4 Bromomethane	94	2.264	2.268	-0.004	40223	5.31	
5 Chloroethane	64	2.398	2.397	0.001	46870	5.54	
6 Trichlorofluoromethane	101	2.548	2.547	0.001	64561	5.15	
7 Ethyl ether	59	2.863	2.862	0.001	30911	4.91	
8 1,1-Dichloroethene	96	3.060	3.059	0.001	42949	5.54	
10 Carbon disulfide	76	3.075	3.069	0.006	190713	5.65	
9 Ethanol	45	3.091	3.091	0.000	8889	226.6	M
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.122	3.126	-0.004	24325	5.41	
12 Acrolein	56	3.396	3.395	0.001	205802	255.5	
13 Isopropyl alcohol	45	3.545	3.550	-0.005	64646	245.7	
14 Methylene Chloride	84	3.623	3.622	0.001	55242	5.80	
15 Acetone	43	3.680	3.679	0.001	64713	47.5	
16 trans-1,2-Dichloroethene	61	3.773	3.772	0.001	95508	5.59	
17 Methyl acetate	43	3.794	3.793	0.001	195167	54.0	
18 Hexane	57	3.845	3.849	-0.004	112985	5.47	
19 Methyl tert-butyl ether	73	3.881	3.875	0.006	88738	5.24	
20 2-Methyl-2-propanol	59	3.969	3.968	0.001	20425	51.8	
21 Isopropyl ether	45	4.222	4.222	0.000	250990	5.19	
22 1,1-Dichloroethane	63	4.331	4.330	0.001	102907	5.37	
23 Acrylonitrile	53	4.398	4.392	0.006	8466	4.81	
24 Tert-butyl ethyl ether	59	4.548	4.542	0.006	156807	5.43	
25 Vinyl acetate	43	4.564	4.563	0.001	676070	48.6	
26 cis-1,2-Dichloroethene	61	4.806	4.800	0.006	80079	5.38	
27 2,2-Dichloropropane	77	4.905	4.899	0.006	74725	5.75	
28 Cyclohexane	56	4.972	4.971	0.001	121800	5.66	
29 Chlorobromomethane	130	4.977	4.976	0.001	17038	5.08	
30 Chloroform	83	5.039	5.038	0.001	80040	5.30	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.148	5.147	0.001	235349	49.7	
32 Carbon tetrachloride	117	5.153	5.152	0.001	48230	5.47	
33 Tetrahydrofuran	42	5.173	5.172	0.001	89814	48.7	
34 sec-Butyl Alcohol	45	5.189	5.183	0.006	111074	241.6	
$ 35 Dibromofluoromethane	113	5.194	5.193	0.001	113868	20.2	
36 1,1,1-Trichloroethane	97	5.220	5.214	0.006	68176	5.45	
37 2-Butanone (MEK)	43	5.313	5.307	0.006	105887	45.6	
38 1,1-Dichloropropene	75	5.318	5.317	0.001	63358	5.25	
39 n-Heptane	43	5.494	5.493	0.001	119025	5.50	
40 Benzene	78	5.535	5.534	0.001	172339	5.27	
41 Tert-amyl methyl ether	73	5.628	5.622	0.006	95282	5.17	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.654	5.648	0.006	20557	20.0	
43 1,2-Dichloroethane	62	5.706	5.705	0.001	37354	4.74	
* 44 Fluorobenzene	96	5.876	5.875	0.001	484115	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.902	5.901	0.001	49740	5.40	
46 Isopropyl acetate	43	5.907	5.901	0.006	531347	52.7	
47 Methylcyclohexane	83	6.000	5.999	0.001	84509	5.54	
48 Trichloroethene	95	6.011	6.010	0.001	37433	4.90	
49 2,4,4-Trimethyl-2-pentene	112	6.042	6.035	0.007	24237	5.35	
50 Dibromomethane	93	6.352	6.356	-0.004	14738	5.13	
51 1,2-Dichloropropane	63	6.439	6.439	0.000	39984	5.19	
52 Dichlorobromomethane	83	6.481	6.480	0.001	40935	4.93	
53 Methyl methacrylate	69	6.605	6.604	0.001	9630	4.60	
54 1,4-Dioxane	88	6.646	6.650	-0.004	988	48.4	
55 n-Propyl acetate	43	6.713	6.712	0.001	299593	49.8	
56 2-Chloroethyl vinyl ether	63	6.930	6.929	0.001	35337	53.5	
57 cis-1,3-Dichloropropene	75	6.982	6.976	0.006	48273	5.02	
$ 58 Toluene-d8 (Surr)	98	7.127	7.126	0.001	428719	19.9	
59 Toluene	92	7.168	7.162	0.006	86910	5.08	
60 Tetrachloroethene	164	7.458	7.457	0.001	23372	5.20	
61 4-Methyl-2-pentanone (MIBK)	43	7.458	7.457	0.001	241736	48.8	
62 trans-1,3-Dichloropropene	75	7.483	7.482	0.001	34136	4.84	
63 Isobutyl acetate	43	7.545	7.544	0.001	769321	54.3	
64 1,1,2-Trichloroethane	83	7.613	7.606	0.007	15400	5.01	
65 Chlorodibromomethane	129	7.747	7.746	0.001	17235	4.73	
66 1,3-Dichloropropane	76	7.824	7.824	0.000	33082	4.83	
67 Ethylene Dibromide	107	7.938	7.937	0.001	14581	4.78	
68 n-Butyl acetate	43	8.016	8.015	0.001	409863	51.3	
69 2-Hexanone	43	8.098	8.097	0.001	137333	43.9	
* 70 Chlorobenzene-d5	117	8.321	8.320	0.001	287038	20.0	
71 Chlorobenzene	112	8.336	8.335	0.001	80976	5.15	
72 Ethylbenzene	91	8.352	8.351	0.001	175955	5.38	
73 1,1,1,2-Tetrachloroethane	131	8.383	8.382	0.001	26214	5.26	
74 m-Xylene & p-Xylene	91	8.460	8.459	0.001	270677	10.8	
75 o-Xylene	91	8.796	8.790	0.006	146751	5.37	
76 Styrene	104	8.832	8.831	0.001	97693	5.26	
77 Bromoform	173	8.858	8.857	0.001	10145	4.50	
78 Isopropylbenzene	105	9.034	9.033	0.001	177679	5.49	
$ 80 4-Bromofluorobenzene	95	9.256	9.255	0.001	169284	20.6	
81 Bromobenzene	77	9.344	9.343	0.001	78817	5.36	
82 N-Propylbenzene	91	9.354	9.353	0.001	230680	5.54	
83 1,1,2,2-Tetrachloroethane	83	9.406	9.405	0.001	23962	4.86	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.483	9.482	0.001	154727	5.59	
85 1,3,5-Trimethylbenzene	105	9.504	9.503	0.001	148416	5.59	
86 1,2,3-Trichloropropane	110	9.520	9.519	0.001	5035	5.44	
87 trans-1,4-Dichloro-2-butene	53	9.551	9.550	0.001	8205	5.20	
88 4-Chlorotoluene	91	9.613	9.612	0.001	131394	5.44	
89 tert-Butylbenzene	119	9.757	9.756	0.001	117503	5.57	
90 1,2,4-Trimethylbenzene	105	9.809	9.808	0.001	152226	5.66	
91 sec-Butylbenzene	105	9.897	9.896	0.001	203615	5.64	
92 4-Isopropyltoluene	119	10.005	10.004	0.001	154060	5.67	
93 1,3-Dichlorobenzene	146	10.072	10.077	-0.005	66461	5.50	
* 94 1,4-Dichlorobenzene-d4	152	10.135	10.134	0.000	144090	20.0	
95 1,4-Dichlorobenzene	146	10.145	10.144	0.001	64869	5.04	
96 n-Butylbenzene	91	10.346	10.351	-0.005	177857	5.35	
97 1,2-Dichlorobenzene	146	10.501	10.500	0.001	53767	5.00	
98 1,2-Dibromo-3-Chloropropane	157	11.277	11.276	0.001	2783	5.02	
99 1,3,5-Trichlorobenzene	180	11.302	11.307	-0.005	49374	5.29	
100 Hexachlorobutadiene	225	12.031	12.030	0.001	19675	5.28	
101 1,2,4-Trichlorobenzene	180	12.078	12.082	-0.004	34712	4.94	
102 Naphthalene	128	12.548	12.547	0.001	42988	4.63	
103 1,2,3-Trichlorobenzene	180	12.822	12.821	0.001	25146	4.84	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:20:28 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44792.D

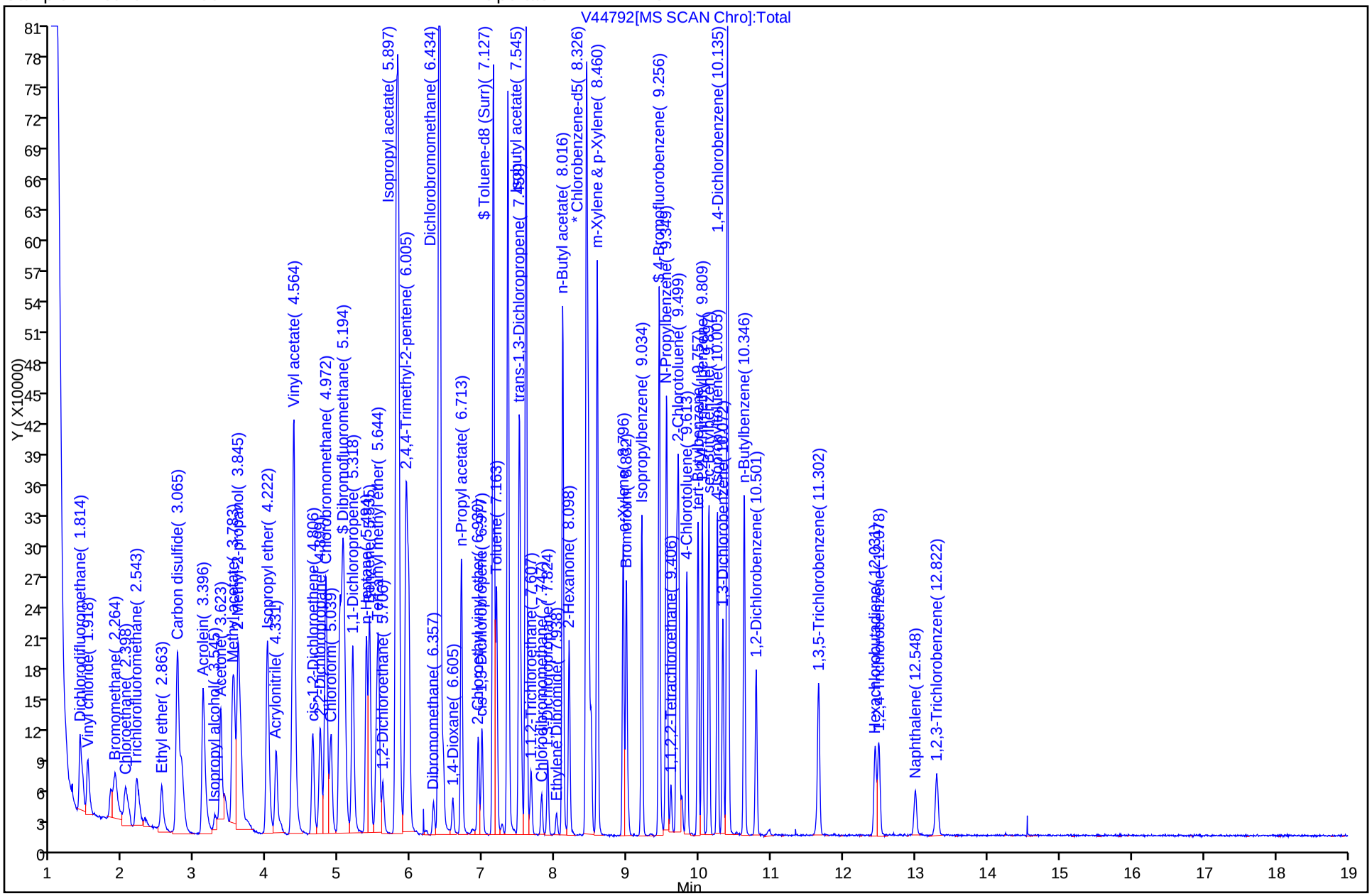
Inj Date: 08-Sep-2009 17:38:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 5

Client ID: Instrument: HP #1 GC/MS

Sample Info: STD005

Sample Amount: 1.00 Operator: CR



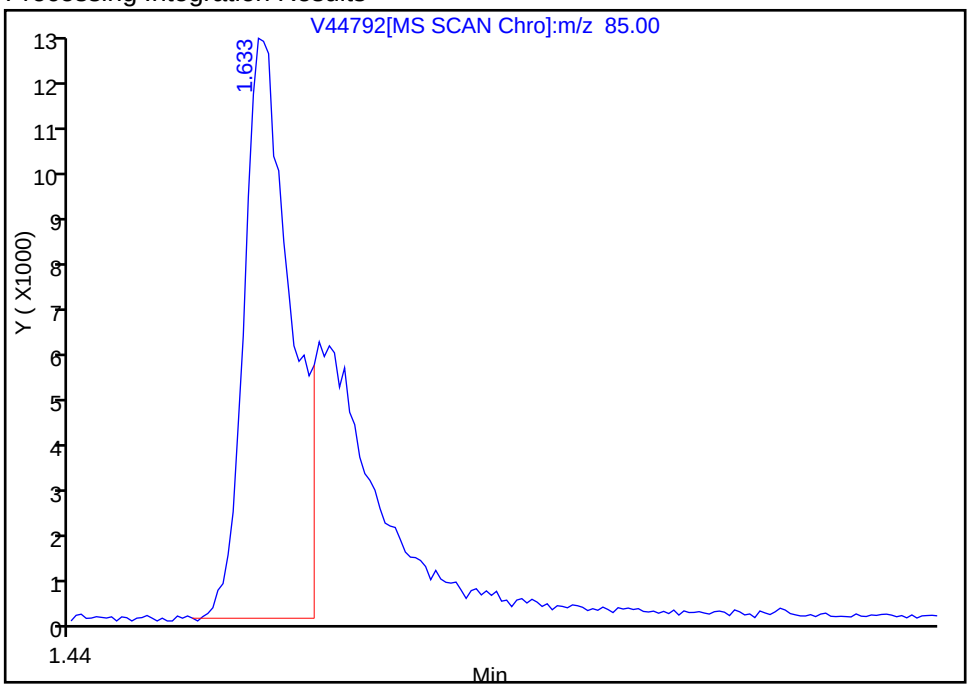
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44792.D		
Inj Date:	08-Sep-2009 17:38:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	5
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD005		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.63

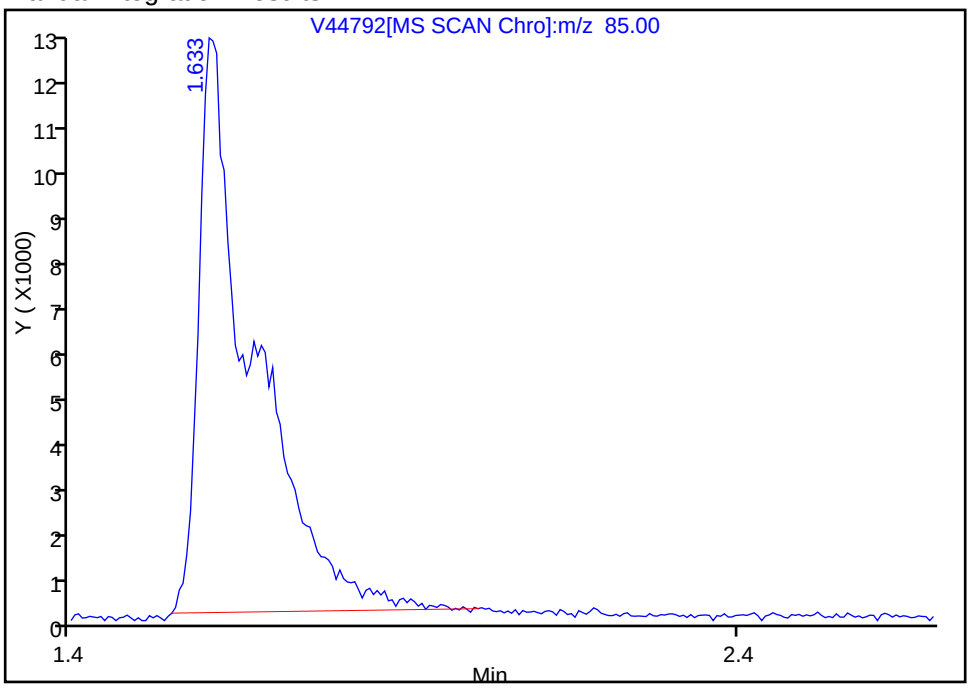
Processing Integration Results

RT: 1.63
Response: 40698
Amount: 3.857331



Manual Integration Results

RT: 1.63
Response: 63118
Amount: 5.639871



Reviewer: rouleauc, 09-Sep-2009 10:20:28
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

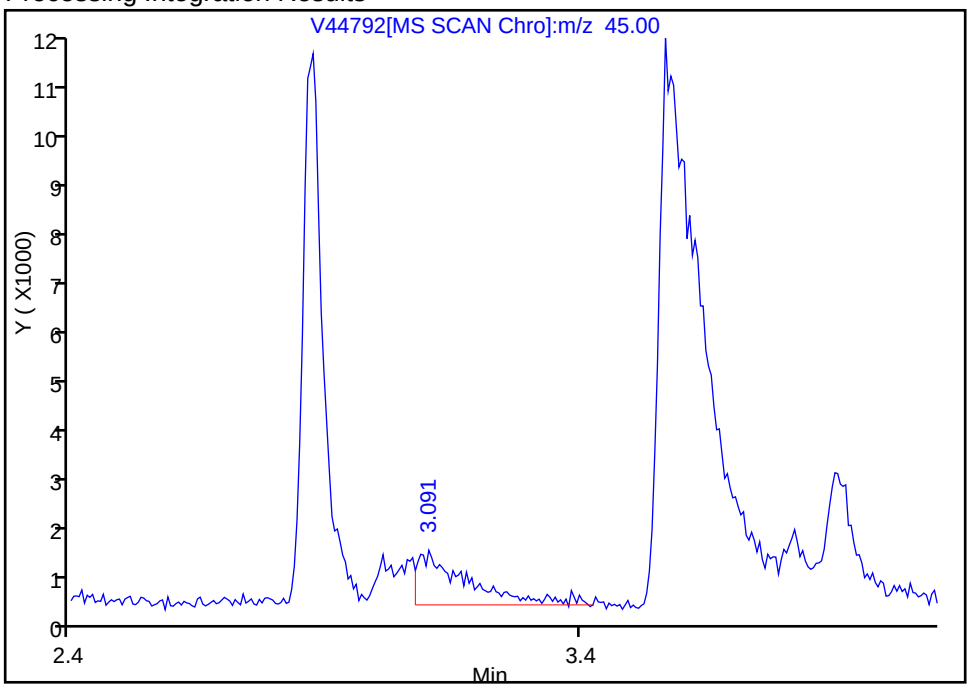
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44792.D		
Inj Date:	08-Sep-2009 17:38:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	5
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD005		
Sample Amount:	1.00	Operator:	CR

9 Ethanol, Number: 1, m/z: 45 Type: quant, RT: 3.09

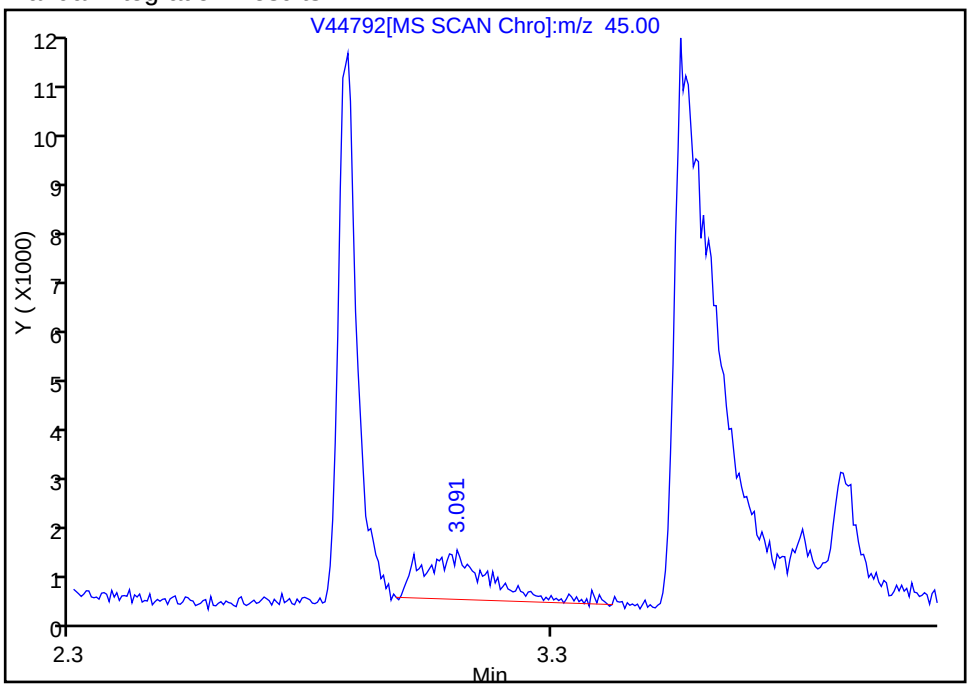
Processing Integration Results

RT: 3.09
Response: 7148
Amount: 185.0839



Manual Integration Results

RT: 3.09
Response: 8889
Amount: 226.5959



Reviewer: rouleauc, 09-Sep-2009 10:20:28
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44793.D		
Lims ID:	STD010	Client ID:	
Inject. Date:	08-Sep-2009 18:02:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	STD010		
Misc. Info.:	360-0001106-006		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	48701	Lims Sample ID:	6
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:19:27	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:19:27

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.639	1.639	0.000	128811	11.8	M
2 Chloromethane	50	1.820	1.818	0.002	238724	10.5	
3 Vinyl chloride	62	1.918	1.922	-0.004	167258	10.6	
4 Bromomethane	94	2.264	2.268	-0.004	78648	10.0	
5 Chloroethane	64	2.399	2.397	0.002	93571	10.8	
6 Trichlorofluoromethane	101	2.544	2.547	-0.003	134764	10.4	
7 Ethyl ether	59	2.869	2.862	0.007	63326	9.69	
8 1,1-Dichloroethene	96	3.060	3.059	0.001	83332	10.4	
10 Carbon disulfide	76	3.076	3.069	0.007	369894	10.6	
9 Ethanol	45	3.076	3.074	0.002	23233	575.7	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.122	3.126	-0.004	47955	10.3	
12 Acrolein	56	3.396	3.395	0.001	436173	516.2	
13 Isopropyl alcohol	45	3.551	3.550	0.001	136806	516.8	
14 Methylene Chloride	84	3.624	3.622	0.002	98400	10.7	
15 Acetone	43	3.680	3.679	0.001	143437	106.9	
16 trans-1,2-Dichloroethene	61	3.774	3.772	0.002	181051	10.2	
17 Methyl acetate	43	3.799	3.793	0.006	351535	97.8	
18 Hexane	57	3.851	3.849	0.002	226103	10.5	
19 Methyl tert-butyl ether	73	3.882	3.875	0.007	175974	10.0	
20 2-Methyl-2-propanol	59	3.970	3.968	0.002	41537	100.5	
21 Isopropyl ether	45	4.223	4.222	0.001	509076	10.2	
22 1,1-Dichloroethane	63	4.337	4.330	0.007	202166	10.2	
23 Acrylonitrile	53	4.394	4.392	0.002	16239	9.56	
24 Tert-butyl ethyl ether	59	4.544	4.542	0.002	306119	10.2	
25 Vinyl acetate	43	4.564	4.563	0.001	1380348	95.7	
26 cis-1,2-Dichloroethene	61	4.807	4.800	0.007	159080	10.3	
27 2,2-Dichloropropane	77	4.905	4.899	0.006	140779	10.4	
28 Cyclohexane	56	4.972	4.971	0.001	241271	10.8	
29 Chlorobromomethane	130	4.978	4.976	0.002	33968	9.76	
30 Chloroform	83	5.040	5.038	0.002	152524	9.73	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.148	5.147	0.001	491638	100.2	
32 Carbon tetrachloride	117	5.159	5.152	0.006	93476	10.2	
33 Tetrahydrofuran	42	5.174	5.172	0.002	179584	93.9	
34 sec-Butyl Alcohol	45	5.184	5.183	0.001	244906	513.6	
$ 35 Dibromofluoromethane	113	5.200	5.193	0.007	115917	19.8	
36 1,1,1-Trichloroethane	97	5.221	5.214	0.007	131281	10.1	
37 2-Butanone (MEK)	43	5.314	5.307	0.007	236480	98.1	
38 1,1-Dichloropropene	75	5.324	5.317	0.007	124902	9.97	
39 n-Heptane	43	5.494	5.493	0.001	239378	10.7	
40 Benzene	78	5.536	5.534	0.002	346778	10.2	
41 Tert-amyl methyl ether	73	5.629	5.622	0.007	193119	10.1	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.649	5.648	0.001	21566	20.0	
43 1,2-Dichloroethane	62	5.706	5.705	0.001	79837	9.77	
* 44 Fluorobenzene	96	5.877	5.875	0.002	502175	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.903	5.901	0.002	96730	10.1	
46 Isopropyl acetate	43	5.903	5.901	0.002	1080300	103.3	
47 Methylcyclohexane	83	6.001	5.999	0.002	170210	10.8	
48 Trichloroethene	95	6.011	6.010	0.001	77629	9.80	
49 2,4,4-Trimethyl-2-pentene	112	6.037	6.035	0.002	47089	10.0	
50 Dibromomethane	93	6.357	6.356	0.001	28720	9.63	
51 1,2-Dichloropropane	63	6.440	6.439	0.001	79841	10.0	
52 Dichlorobromomethane	83	6.481	6.480	0.001	82755	9.62	
53 Methyl methacrylate	69	6.606	6.604	0.002	20907	9.64	
54 1,4-Dioxane	88	6.657	6.650	0.007	2741	118.1	
55 n-Propyl acetate	43	6.714	6.712	0.002	624398	100.1	
56 2-Chloroethyl vinyl ether	63	6.931	6.929	0.002	77169	93.4	
57 cis-1,3-Dichloropropene	75	6.978	6.976	0.002	97814	9.80	
$ 58 Toluene-d8 (Surr)	98	7.127	7.126	0.001	446458	20.0	
59 Toluene	92	7.164	7.162	0.002	175791	9.91	
60 Tetrachloroethene	164	7.458	7.457	0.001	47111	10.1	
61 4-Methyl-2-pentanone (MIBK)	43	7.458	7.457	0.001	516674	100.5	
62 trans-1,3-Dichloropropene	75	7.484	7.482	0.002	70961	9.70	
63 Isobutyl acetate	43	7.541	7.544	-0.003	1553104	105.6	
64 1,1,2-Trichloroethane	83	7.608	7.606	0.002	29985	9.49	
65 Chlorodibromomethane	129	7.748	7.746	0.002	36050	9.55	
66 1,3-Dichloropropane	76	7.825	7.824	0.001	67881	9.56	
67 Ethylene Dibromide	107	7.939	7.937	0.002	30530	9.65	
68 n-Butyl acetate	43	8.016	8.015	0.001	825295	99.6	
69 2-Hexanone	43	8.099	8.097	0.002	320437	98.6	
* 70 Chlorobenzene-d5	117	8.321	8.320	0.001	301885	20.0	
71 Chlorobenzene	112	8.337	8.335	0.002	164446	9.94	
72 Ethylbenzene	91	8.347	8.351	-0.004	346096	10.1	
73 1,1,1,2-Tetrachloroethane	131	8.378	8.382	-0.004	53450	10.2	
74 m-Xylene & p-Xylene	91	8.461	8.459	0.002	542733	20.5	
75 o-Xylene	91	8.792	8.790	0.002	297477	10.4	
76 Styrene	104	8.833	8.831	0.002	193796	9.92	
77 Bromoform	173	8.859	8.857	0.002	21518	9.40	
78 Isopropylbenzene	105	9.034	9.033	0.001	356453	10.5	
$ 80 4-Bromofluorobenzene	95	9.257	9.255	0.002	177504	20.5	
81 Bromobenzene	77	9.344	9.343	0.001	159829	10.3	
82 N-Propylbenzene	91	9.355	9.353	0.002	460055	10.5	
83 1,1,2,2-Tetrachloroethane	83	9.406	9.405	0.001	48915	9.77	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.484	9.482	0.002	303424	10.4	
85 1,3,5-Trimethylbenzene	105	9.505	9.503	0.002	297760	10.7	
86 1,2,3-Trichloropropane	110	9.520	9.519	0.001	9953	10.5	
87 trans-1,4-Dichloro-2-butene	53	9.546	9.550	-0.004	16285	10.0	
88 4-Chlorotoluene	91	9.613	9.612	0.001	269054	10.6	
89 tert-Butylbenzene	119	9.758	9.756	0.002	234954	10.6	
90 1,2,4-Trimethylbenzene	105	9.810	9.808	0.002	295161	10.4	
91 sec-Butylbenzene	105	9.892	9.896	-0.004	406385	10.7	
92 4-Isopropyltoluene	119	10.006	10.004	0.002	305895	10.7	
93 1,3-Dichlorobenzene	146	10.073	10.077	-0.004	132068	10.4	
* 94 1,4-Dichlorobenzene-d4	152	10.130	10.134	-0.004	146164	20.0	
95 1,4-Dichlorobenzene	146	10.146	10.144	0.002	128851	9.86	
96 n-Butylbenzene	91	10.347	10.351	-0.004	348841	10.3	
97 1,2-Dichlorobenzene	146	10.502	10.500	0.002	107179	9.83	
98 1,2-Dibromo-3-Chloropropane	157	11.277	11.276	0.001	5289	9.40	
99 1,3,5-Trichlorobenzene	180	11.303	11.307	-0.004	99041	10.5	
100 Hexachlorobutadiene	225	12.032	12.030	0.002	39000	10.3	
101 1,2,4-Trichlorobenzene	180	12.078	12.082	-0.004	69208	9.71	
102 Naphthalene	128	12.549	12.547	0.002	88664	9.42	
103 1,2,3-Trichlorobenzene	180	12.822	12.821	0.001	51725	9.81	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:19:27 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44793.D

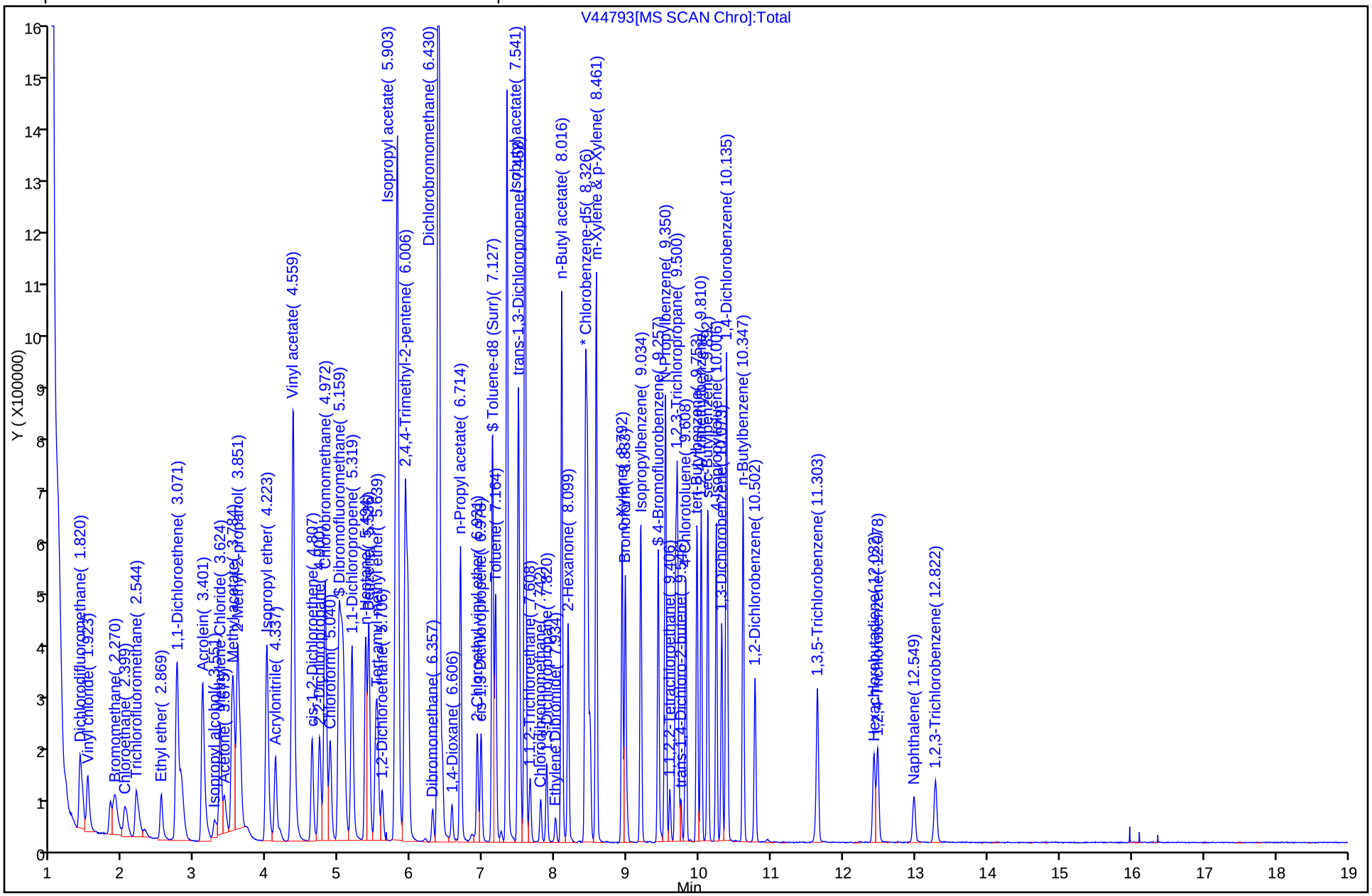
Inj Date: 08-Sep-2009 18:02:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 6

Client ID: Instrument: HP #1 GC/MS

Sample Info: STD010

Sample Amount: 1.00 Operator: CR



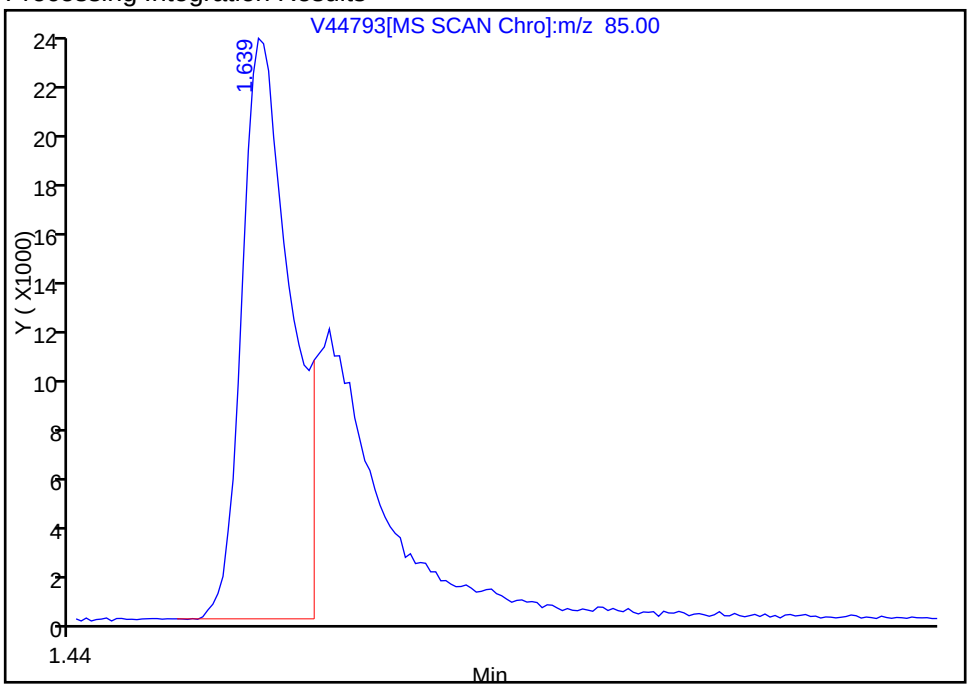
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44793.D		
Inj Date:	08-Sep-2009 18:02:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	6
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD010		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

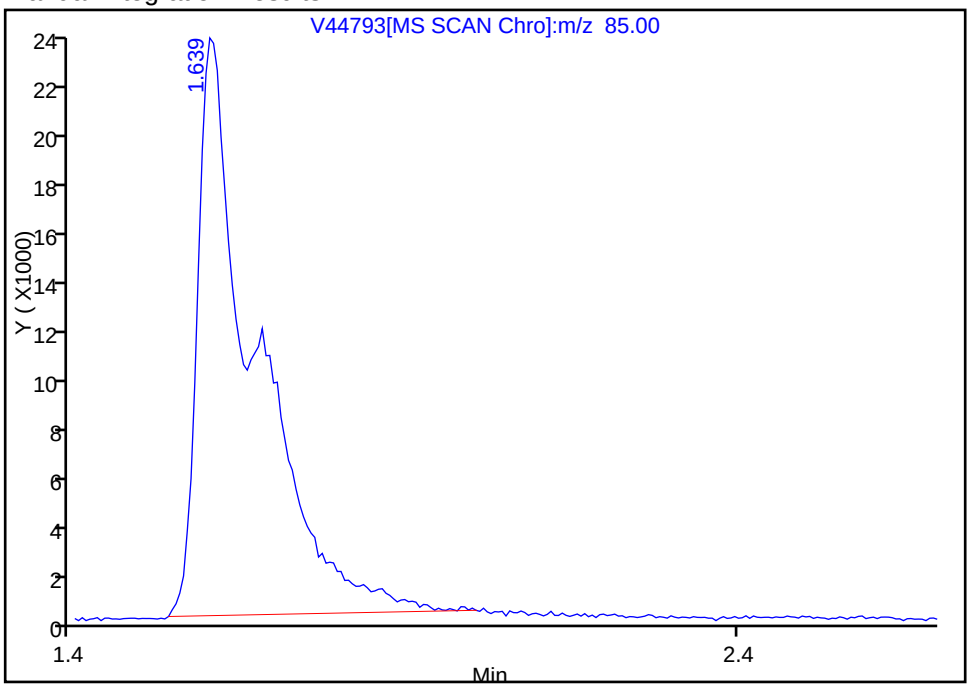
Processing Integration Results

RT: 1.64
Response: 81923
Amount: 7.526957



Manual Integration Results

RT: 1.64
Response: 128811
Amount: 11.769561



Reviewer: rouleauc, 09-Sep-2009 10:19:27
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44794.D		
Lims ID:	STD040	Client ID:	
Inject. Date:	08-Sep-2009 18:25:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	6
Sample ID:	STD040		
Misc. Info.:	360-0001106-007		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	48701	Lims Sample ID:	7
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:17:14	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:17:14

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.643	1.643	0.000	502578	48.5	M
2 Chloromethane	50	1.818	1.818	0.000	916122	37.9	
3 Vinyl chloride	62	1.922	1.922	0.000	641231	38.0	
4 Bromomethane	94	2.268	2.268	0.000	310659	37.1	
5 Chloroethane	64	2.397	2.397	0.000	351097	38.7	
6 Trichlorofluoromethane	101	2.547	2.547	0.000	528277	38.1	
7 Ethyl ether	59	2.862	2.862	0.000	273852	39.3	
8 1,1-Dichloroethene	96	3.059	3.059	0.000	330686	38.6	
10 Carbon disulfide	76	3.069	3.069	0.000	1393504	37.3	
9 Ethanol	45	3.074	3.074	0.000	92162	2135.8	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.126	3.126	0.000	187273	37.6	
12 Acrolein	56	3.395	3.395	0.000	1850854	2000.3	
13 Isopropyl alcohol	45	3.550	3.550	0.000	576374	2085.5	
14 Methylene Chloride	84	3.622	3.622	0.000	379330	41.7	
15 Acetone	43	3.679	3.679	0.000	579609	418.0	
16 trans-1,2-Dichloroethene	61	3.772	3.772	0.000	703469	37.2	
17 Methyl acetate	43	3.793	3.793	0.000	1538081	418.4	
18 Hexane	57	3.849	3.849	0.000	901861	39.4	
19 Methyl tert-butyl ether	73	3.875	3.875	0.000	726412	38.8	
20 2-Methyl-2-propanol	59	3.968	3.968	0.000	177246	391.6	
21 Isopropyl ether	45	4.222	4.222	0.000	2090528	39.1	
22 1,1-Dichloroethane	63	4.330	4.330	0.000	812137	38.3	
23 Acrylonitrile	53	4.392	4.392	0.000	71720	42.0	
24 Tert-butyl ethyl ether	59	4.542	4.542	0.000	1240271	38.8	
25 Vinyl acetate	43	4.563	4.563	0.000	6336969	411.9	
26 cis-1,2-Dichloroethene	61	4.800	4.800	0.000	635849	38.6	
27 2,2-Dichloropropane	77	4.899	4.899	0.000	509405	35.4	
28 Cyclohexane	56	4.971	4.971	0.000	904173	37.9	
29 Chlorobromomethane	130	4.976	4.976	0.000	144407	38.9	
30 Chloroform	83	5.038	5.038	0.000	639408	38.2	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.147	5.147	0.000	2263151	432.4	
32 Carbon tetrachloride	117	5.152	5.152	0.000	375914	38.5	
33 Tetrahydrofuran	42	5.172	5.172	0.000	790908	387.7	
34 sec-Butyl Alcohol	45	5.183	5.183	0.000	1103850	2170.5	
$ 35 Dibromofluoromethane	113	5.193	5.193	0.000	121377	19.5	
36 1,1,1-Trichloroethane	97	5.214	5.214	0.000	519536	37.5	
37 2-Butanone (MEK)	43	5.307	5.307	0.000	1047269	407.2	
38 1,1-Dichloropropene	75	5.317	5.317	0.000	520634	39.0	
39 n-Heptane	43	5.493	5.493	0.000	969521	40.5	
40 Benzene	78	5.534	5.534	0.000	1407044	38.9	
41 Tert-amyl methyl ether	73	5.622	5.622	0.000	802225	39.3	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.648	5.648	0.000	23615	20.0	
43 1,2-Dichloroethane	62	5.705	5.705	0.000	346119	39.7	
* 44 Fluorobenzene	96	5.875	5.875	0.000	535628	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.901	5.901	0.000	379338	37.2	
46 Isopropyl acetate	43	5.901	5.901	0.000	4594317	412.0	
47 Methylcyclohexane	83	5.999	5.999	0.000	645837	38.3	
48 Trichloroethene	95	6.010	6.010	0.000	328348	38.9	
49 2,4,4-Trimethyl-2-pentene	112	6.035	6.035	0.000	195663	39.0	
50 Dibromomethane	93	6.356	6.356	0.000	125562	39.5	
51 1,2-Dichloropropane	63	6.439	6.439	0.000	316433	37.1	
52 Dichlorobromomethane	83	6.480	6.480	0.000	368193	40.1	
53 Methyl methacrylate	69	6.604	6.604	0.000	94996	41.1	
54 1,4-Dioxane	88	6.650	6.650	0.000	10096	421.7	
55 n-Propyl acetate	43	6.712	6.712	0.000	2806908	421.8	
56 2-Chloroethyl vinyl ether	63	6.929	6.929	0.000	400324	386.6	
57 cis-1,3-Dichloropropene	75	6.976	6.976	0.000	432998	40.7	
$ 58 Toluene-d8 (Surr)	98	7.126	7.126	0.000	473522	19.9	
59 Toluene	92	7.162	7.162	0.000	738253	39.0	
60 Tetrachloroethene	164	7.457	7.457	0.000	193906	39.0	
61 4-Methyl-2-pentanone (MIBK)	43	7.457	7.457	0.000	2246234	409.5	
62 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	314581	40.3	
63 Isobutyl acetate	43	7.544	7.544	0.000	6429112	409.8	
64 1,1,2-Trichloroethane	83	7.606	7.606	0.000	137271	41.0	
65 Chlorodibromomethane	129	7.746	7.746	0.000	164179	40.8	
66 1,3-Dichloropropane	76	7.824	7.824	0.000	305050	40.3	
67 Ethylene Dibromide	107	7.937	7.937	0.000	137196	40.7	
68 n-Butyl acetate	43	8.015	8.015	0.000	3584782	405.6	
69 2-Hexanone	43	8.097	8.097	0.000	1428419	412.2	
* 70 Chlorobenzene-d5	117	8.320	8.320	0.000	327924	20.0	
71 Chlorobenzene	112	8.335	8.335	0.000	708518	39.4	
72 Ethylbenzene	91	8.351	8.351	0.000	1413558	37.8	
73 1,1,1,2-Tetrachloroethane	131	8.382	8.382	0.000	222021	39.0	
74 m-Xylene & p-Xylene	91	8.459	8.459	0.000	2194022	76.4	
75 o-Xylene	91	8.790	8.790	0.000	1197814	38.4	
76 Styrene	104	8.831	8.831	0.000	836793	39.4	
77 Bromoform	173	8.857	8.857	0.000	93408	43.0	
78 Isopropylbenzene	105	9.033	9.033	0.000	1444529	39.1	
$ 80 4-Bromofluorobenzene	95	9.255	9.255	0.000	184336	19.6	
81 Bromobenzene	77	9.343	9.343	0.000	625196	37.2	
82 N-Propylbenzene	91	9.353	9.353	0.000	1787361	37.6	
83 1,1,2,2-Tetrachloroethane	83	9.405	9.405	0.000	200765	42.3	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.482	9.482	0.000	1155992	36.6	
85 1,3,5-Trimethylbenzene	105	9.503	9.503	0.000	1146698	37.8	
86 1,2,3-Trichloropropane	110	9.519	9.519	0.000	41997	41.5	
87 trans-1,4-Dichloro-2-butene	53	9.550	9.550	0.000	75627	43.7	
88 4-Chlorotoluene	91	9.612	9.612	0.000	1040006	37.7	
89 tert-Butylbenzene	119	9.756	9.756	0.000	943217	39.1	
90 1,2,4-Trimethylbenzene	105	9.808	9.808	0.000	1137324	37.0	
91 sec-Butylbenzene	105	9.896	9.896	0.000	1557321	37.7	
92 4-Isopropyltoluene	119	10.004	10.004	0.000	1159908	37.3	
93 1,3-Dichlorobenzene	146	10.077	10.077	0.000	501043	36.3	
* 94 1,4-Dichlorobenzene-d4	152	10.134	10.134	0.000	138637	20.0	
95 1,4-Dichlorobenzene	146	10.144	10.144	0.000	488193	39.4	
96 n-Butylbenzene	91	10.351	10.351	0.000	1254934	39.2	
97 1,2-Dichlorobenzene	146	10.500	10.500	0.000	408294	39.5	
98 1,2-Dibromo-3-Chloropropane	157	11.276	11.276	0.000	21402	40.1	
99 1,3,5-Trichlorobenzene	180	11.307	11.307	0.000	358258	39.9	
100 Hexachlorobutadiene	225	12.030	12.030	0.000	136882	38.2	
101 1,2,4-Trichlorobenzene	180	12.082	12.082	0.000	262092	38.8	
102 Naphthalene	128	12.547	12.547	0.000	356684	39.9	
103 1,2,3-Trichlorobenzene	180	12.821	12.821	0.000	198118	39.6	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:17:15 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44794.D

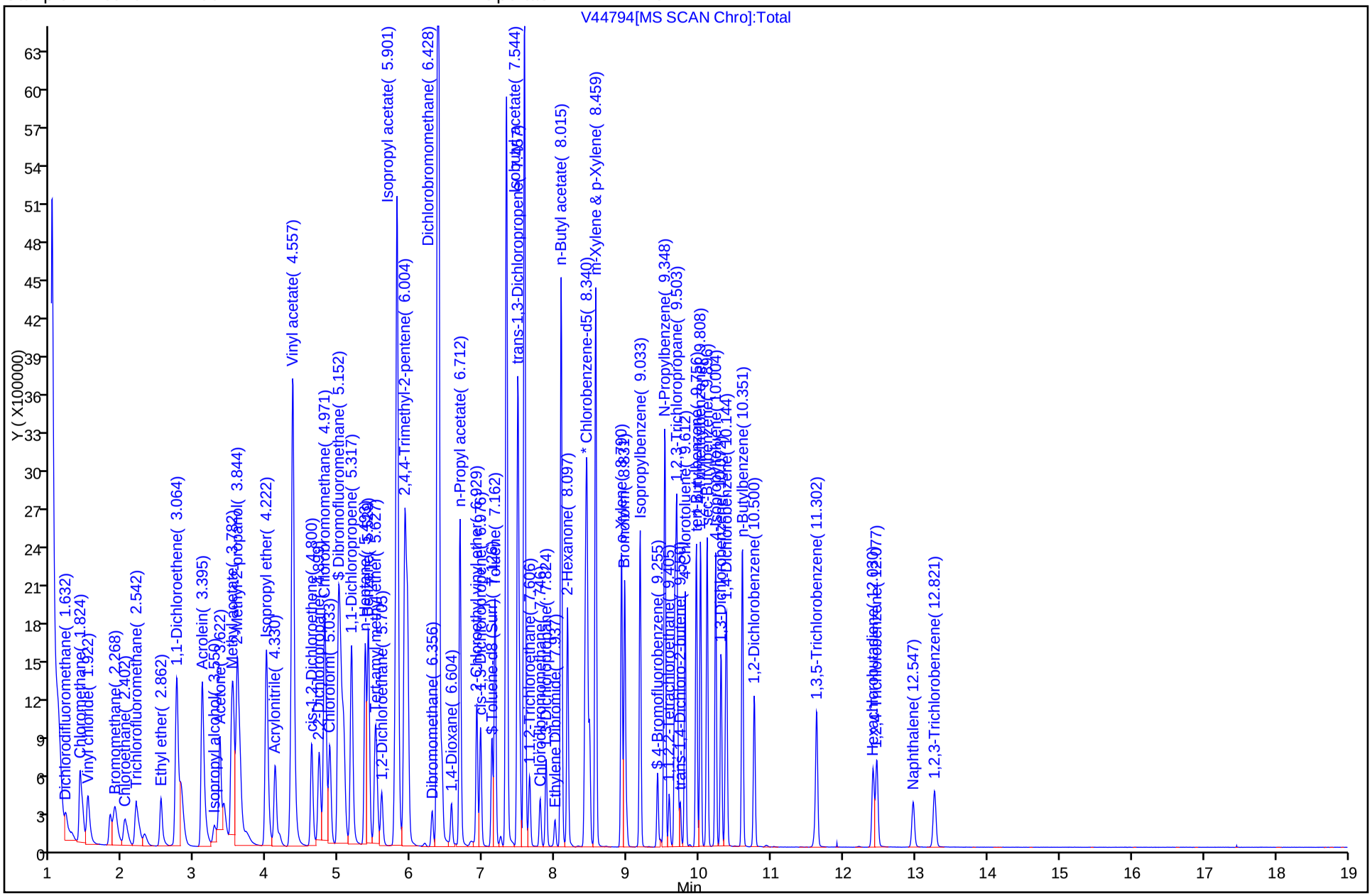
Inj Date: 08-Sep-2009 18:25:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 7

Client ID: Instrument: HP #1 GC/MS

Sample Info: STD040

Sample Amount: 1.00 Operator: CR



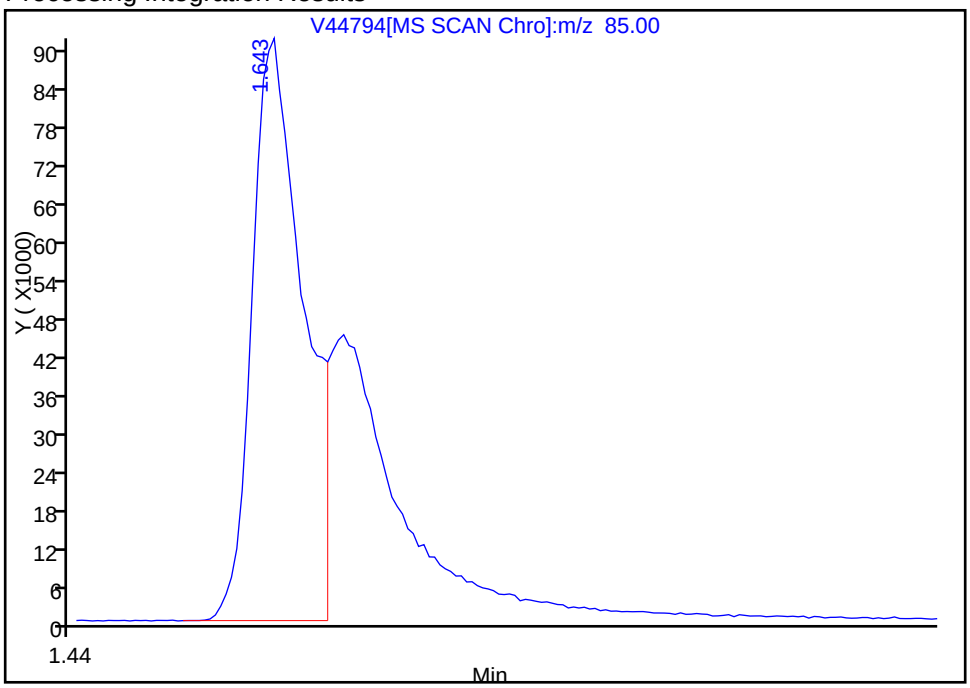
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44794.D		
Inj Date:	08-Sep-2009 18:25:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	7
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD040		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

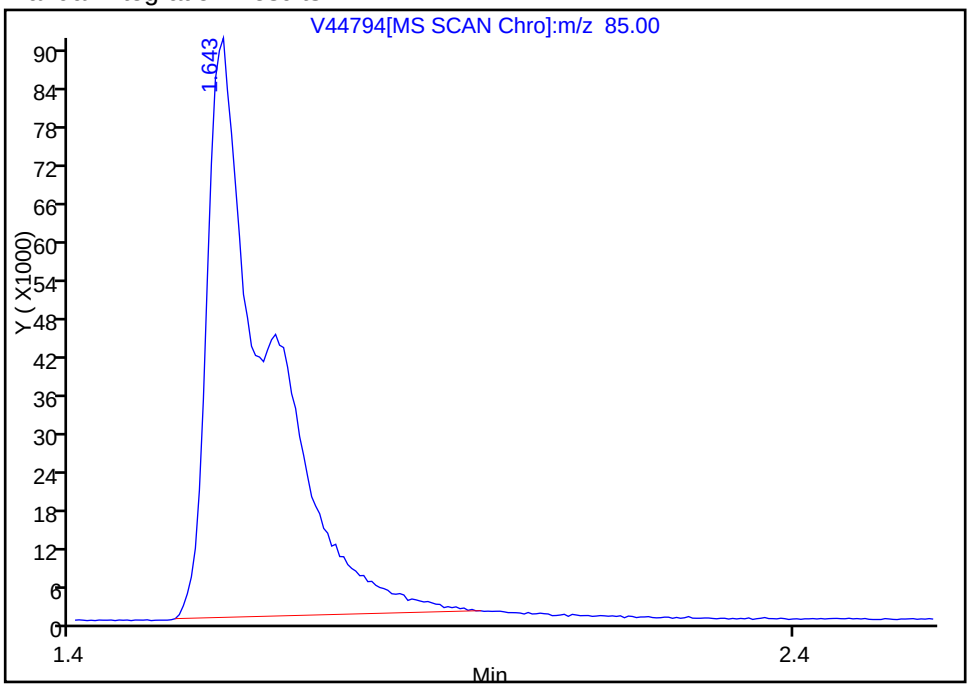
Processing Integration Results

RT: 1.64
Response: 318472
Amount: 32.779495



Manual Integration Results

RT: 1.64
Response: 502578
Amount: 48.450091



Reviewer: rouleauc, 09-Sep-2009 10:17:14
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Lims ID:	STD080	Client ID:	
Inject. Date:	08-Sep-2009 18:49:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	STD080		
Misc. Info.:	360-0001106-008		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	48701	Lims Sample ID:	8
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:18:15	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:18:15

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.639	1.639	0.000	977504	78.8	M
2 Chloromethane	50	1.820	1.818	0.002	1788702	70.5	
3 Vinyl chloride	62	1.923	1.922	0.001	1256162	71.0	
4 Bromomethane	94	2.269	2.268	0.001	601081	68.4	
5 Chloroethane	64	2.399	2.397	0.002	672103	70.8	
6 Trichlorofluoromethane	101	2.543	2.547	-0.004	1048831	72.0	
7 Ethyl ether	59	2.859	2.862	-0.003	534136	73.1	
8 1,1-Dichloroethene	96	3.055	3.059	-0.004	661089	73.5	
10 Carbon disulfide	76	3.070	3.069	0.001	2723314	69.5	
9 Ethanol	45	3.076	3.074	0.002	175605	3878.6	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.127	3.126	0.001	367750	70.5	
12 Acrolein	56	3.391	3.395	-0.004	3349829	3502.4	
13 Isopropyl alcohol	45	3.551	3.550	0.001	1106554	3830.0	
14 Methylene Chloride	84	3.623	3.622	0.001	727804	77.1	
15 Acetone	43	3.675	3.679	-0.004	1278043	883.9	
16 trans-1,2-Dichloroethene	61	3.768	3.772	-0.004	1380645	69.6	
17 Methyl acetate	43	3.794	3.793	0.001	3024387	789.3	
18 Hexane	57	3.846	3.849	-0.003	1775376	74.0	
19 Methyl tert-butyl ether	73	3.877	3.875	0.002	1387323	70.6	
20 2-Methyl-2-propanol	59	3.975	3.968	0.007	333144	712.0	
21 Isopropyl ether	45	4.223	4.222	0.001	4030318	71.8	
22 1,1-Dichloroethane	63	4.331	4.330	0.001	1615369	72.6	
23 Acrylonitrile	53	4.393	4.392	0.001	142124	80.1	
24 Tert-butyl ethyl ether	59	4.543	4.542	0.001	2362993	70.5	
25 Vinyl acetate	43	4.564	4.563	0.001	12131073	751.8	
26 cis-1,2-Dichloroethene	61	4.802	4.800	0.002	1267553	73.4	
27 2,2-Dichloropropane	77	4.900	4.899	0.001	950562	63.0	
28 Cyclohexane	56	4.972	4.971	0.001	1716728	68.7	
29 Chlorobromomethane	130	4.977	4.976	0.001	289523	74.3	
30 Chloroform	83	5.039	5.038	0.001	1288463	73.5	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.148	5.147	0.001	4631392	843.7	
32 Carbon tetrachloride	117	5.153	5.152	0.001	757679	74.0	
33 Tetrahydrofuran	42	5.169	5.172	-0.003	1545716	722.4	
34 sec-Butyl Alcohol	45	5.184	5.183	0.001	2152306	4035.2	
$ 35 Dibromofluoromethane	113	5.194	5.193	0.001	125436	19.2	
36 1,1,1-Trichloroethane	97	5.215	5.214	0.001	1023629	70.5	
37 2-Butanone (MEK)	43	5.308	5.307	0.001	2093580	776.2	
38 1,1-Dichloropropene	75	5.318	5.317	0.001	1064726	76.0	
39 n-Heptane	43	5.494	5.493	0.001	1925322	76.6	
40 Benzene	78	5.536	5.534	0.002	2858692	75.3	
41 Tert-amyl methyl ether	73	5.623	5.622	0.001	1566222	73.2	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.649	5.648	0.001	24410	20.0	
43 1,2-Dichloroethane	62	5.706	5.705	0.001	715154	78.3	
* 44 Fluorobenzene	96	5.877	5.875	0.002	561768	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.902	5.901	0.001	701991	65.7	
46 Isopropyl acetate	43	5.908	5.901	0.007	8911671	761.9	
47 Methylcyclohexane	83	6.001	5.999	0.002	1237996	70.0	
48 Trichloroethene	95	6.011	6.010	0.001	677158	76.4	
49 2,4,4-Trimethyl-2-pentene	112	6.037	6.035	0.002	393971	74.9	
50 Dibromomethane	93	6.352	6.356	-0.004	256520	76.9	
51 1,2-Dichloropropane	63	6.440	6.439	0.001	592597	66.3	
52 Dichlorobromomethane	83	6.481	6.480	0.001	769426	79.9	
53 Methyl methacrylate	69	6.605	6.604	0.001	203394	83.8	
54 1,4-Dioxane	88	6.647	6.650	-0.003	17085	795.2	
55 n-Propyl acetate	43	6.714	6.712	0.002	5863404	840.1	
56 2-Chloroethyl vinyl ether	63	6.931	6.929	0.002	906674	814.5	
57 cis-1,3-Dichloropropene	75	6.977	6.976	0.001	912617	81.7	
$ 58 Toluene-d8 (Surr)	98	7.127	7.126	0.001	499941	20.0	
59 Toluene	92	7.163	7.162	0.001	1553625	78.3	
60 Tetrachloroethene	164	7.458	7.457	0.001	413998	79.3	
61 4-Methyl-2-pentanone (MIBK)	43	7.458	7.457	0.001	4087795	710.5	
62 trans-1,3-Dichloropropene	75	7.484	7.482	0.002	666550	81.4	
63 Isobutyl acetate	43	7.546	7.544	0.002	11874507	721.6	
64 1,1,2-Trichloroethane	83	7.608	7.606	0.002	284316	81.1	
65 Chlorodibromomethane	129	7.747	7.746	0.001	346032	81.9	
66 1,3-Dichloropropane	76	7.825	7.824	0.001	641485	80.7	
67 Ethylene Dibromide	107	7.939	7.937	0.002	288980	81.7	
68 n-Butyl acetate	43	8.016	8.015	0.001	7209917	777.8	
69 2-Hexanone	43	8.099	8.097	0.002	2865435	788.5	
* 70 Chlorobenzene-d5	117	8.321	8.320	0.001	348791	20.0	
71 Chlorobenzene	112	8.337	8.335	0.001	1509119	79.0	
72 Ethylbenzene	91	8.352	8.351	0.001	2877998	72.4	
73 1,1,1,2-Tetrachloroethane	131	8.383	8.382	0.001	446761	73.7	
74 m-Xylene & p-Xylene	91	8.461	8.459	0.002	4399323	144.0	
75 o-Xylene	91	8.796	8.790	0.006	2315598	69.8	
76 Styrene	104	8.833	8.831	0.002	1679316	74.4	
77 Bromoform	173	8.858	8.857	0.001	185008	89.5	
78 Isopropylbenzene	105	9.034	9.033	0.001	2815818	71.6	
$ 80 4-Bromofluorobenzene	95	9.256	9.255	0.001	181531	18.2	
81 Bromobenzene	77	9.344	9.343	0.001	1180053	66.1	
82 N-Propylbenzene	91	9.355	9.353	0.002	3412692	67.4	
83 1,1,2,2-Tetrachloroethane	83	9.406	9.405	0.001	374711	82.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.484	9.482	0.002	2223583	66.2	
85 1,3,5-Trimethylbenzene	105	9.504	9.503	0.001	2187971	67.8	
86 1,2,3-Trichloropropane	110	9.520	9.519	0.001	80793	75.3	
87 trans-1,4-Dichloro-2-butene	53	9.551	9.550	0.001	140395	76.5	
88 4-Chlorotoluene	91	9.613	9.612	0.001	1988967	67.8	
89 tert-Butylbenzene	119	9.758	9.756	0.002	1777426	69.3	
90 1,2,4-Trimethylbenzene	105	9.809	9.808	0.001	2124712	65.0	
91 sec-Butylbenzene	105	9.897	9.896	0.001	2922053	66.6	
92 4-Isopropyltoluene	119	10.006	10.004	0.002	2192884	66.4	
93 1,3-Dichlorobenzene	146	10.078	10.077	0.001	964032	65.7	
* 94 1,4-Dichlorobenzene-d4	152	10.135	10.134	0.001	131979	20.0	
95 1,4-Dichlorobenzene	146	10.145	10.144	0.001	934562	79.2	
96 n-Butylbenzene	91	10.352	10.351	0.001	2343201	77.0	
97 1,2-Dichlorobenzene	146	10.502	10.500	0.002	777635	79.0	
98 1,2-Dibromo-3-Chloropropane	157	11.282	11.276	0.006	41881	82.4	
99 1,3,5-Trichlorobenzene	180	11.308	11.307	0.001	681678	79.8	
100 Hexachlorobutadiene	225	12.032	12.030	0.002	255841	75.0	
101 1,2,4-Trichlorobenzene	180	12.083	12.082	0.001	505140	78.5	
102 Naphthalene	128	12.548	12.547	0.001	700019	82.4	
103 1,2,3-Trichlorobenzene	180	12.827	12.821	0.006	376595	79.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:18:16 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D

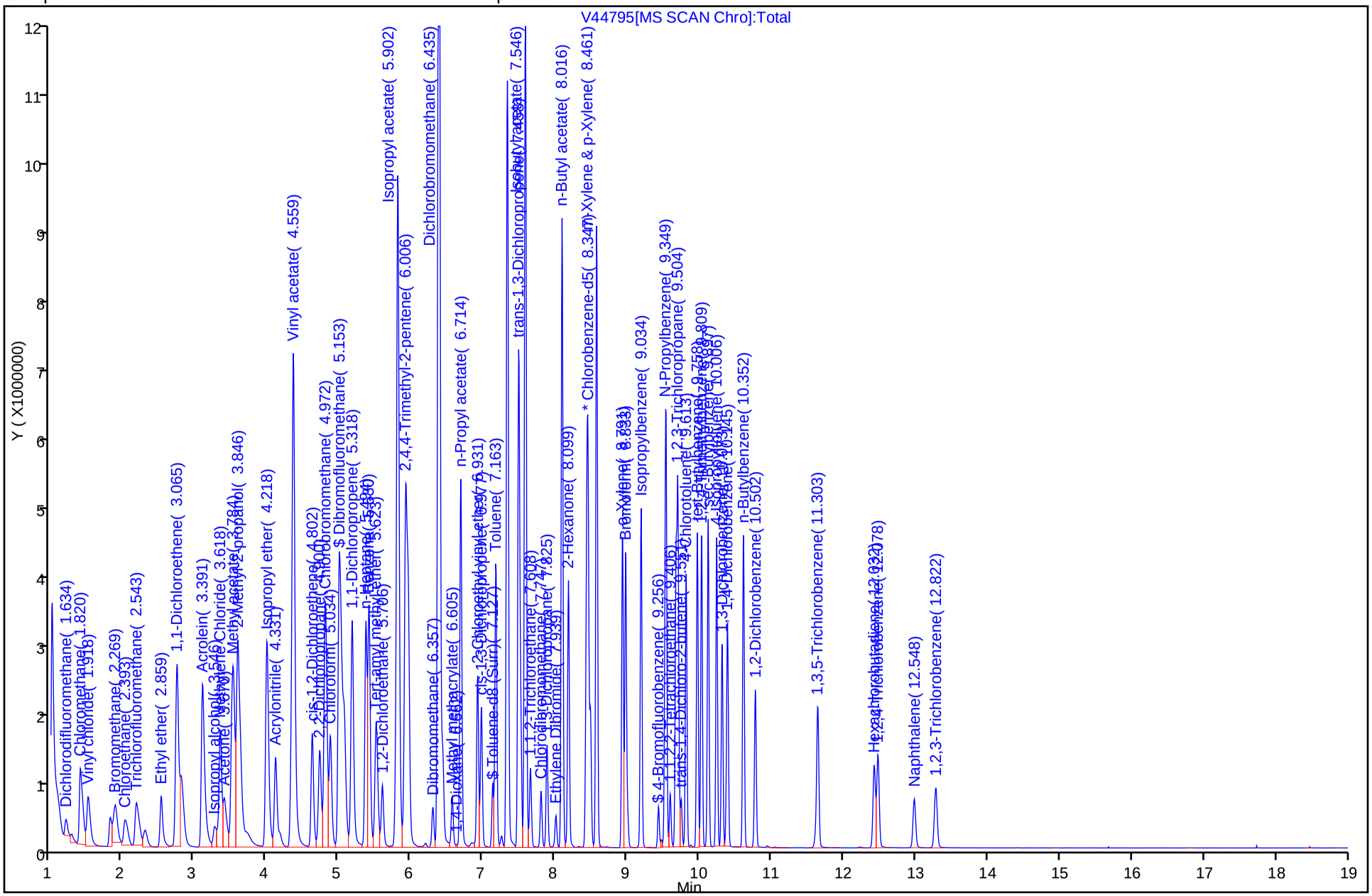
Inj Date: 08-Sep-2009 18:49:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 8

Client ID: Instrument: HP #1 GC/MS

Sample Info: STD080

Sample Amount: 1.00 Operator: CR



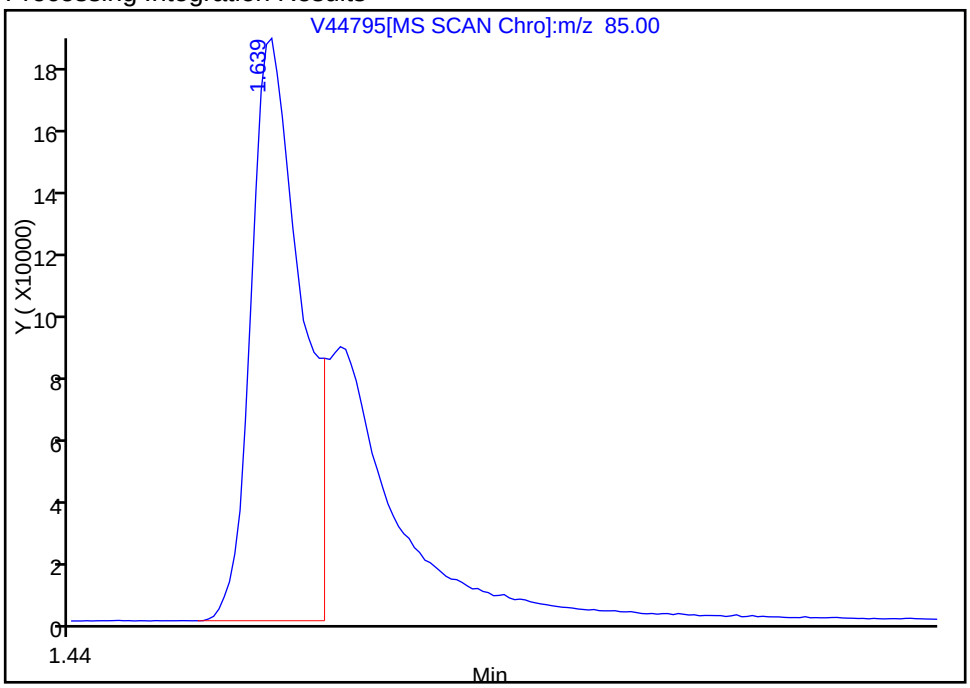
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Inj Date:	08-Sep-2009 18:49:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	8
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	STD080		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

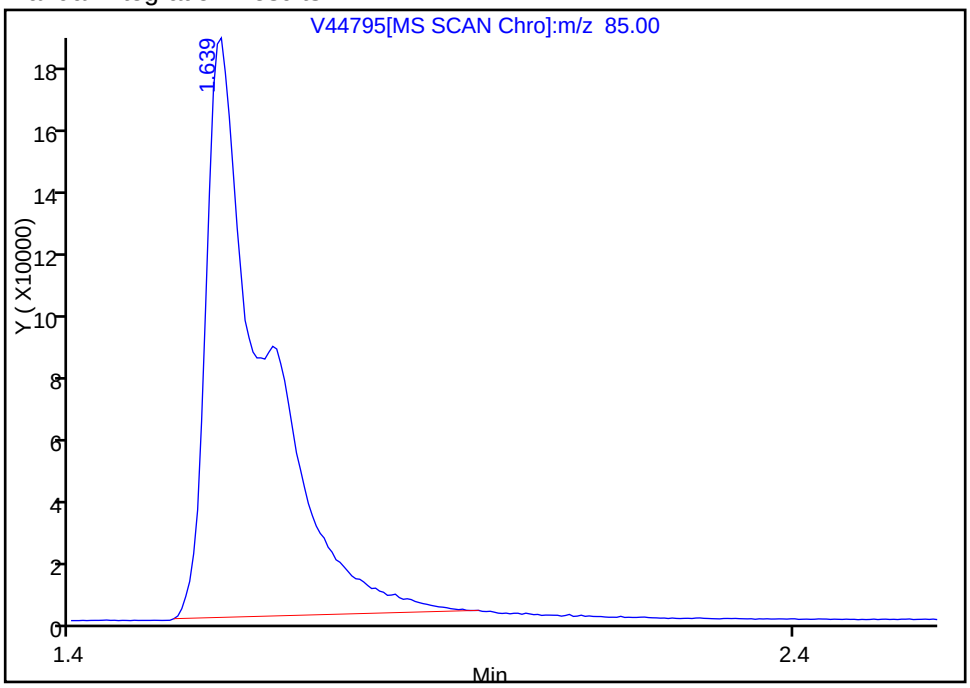
Processing Integration Results

RT: 1.64
Response: 633366
Amount: 58.217311



Manual Integration Results

RT: 1.64
Response: 977504
Amount: 78.774705



Reviewer: rouleauc, 09-Sep-2009 10:18:15
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: ICV 360-48701/9 Calibration Date: 09/08/2009 19:13

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44796.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.2809		58.2	100	-41.8*	30.0
Chloromethane	Ave	0.9034	0.7721	0.1000	91.4	100	-14.5	30.0
Vinyl chloride	Ave	0.6300	0.5305		89.4	100	-15.8	30.0
Bromomethane	Ave	0.3127	0.2881		96.6	100	-7.9	30.0
Chloroethane	Lin2		0.3159		97.4	100	-2.6	30.0
Trichlorofluoromethane	Ave	0.5183	0.4459		86.0	100	-14.0	30.0
Ethyl ether	Ave	0.2603	0.2269		93.1	100	-12.8	30.0
1,1-Dichloroethene	Ave	0.3201	0.2867		93.2	100	-10.4	30.0
Carbon disulfide	Ave	1.395	1.292		92.7	100	-7.4	30.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.1858	0.1678		90.3	100	-9.7	30.0
Acrolein	Ave	0.7836	0.8353		5330	5000	6.6	30.0
Methylene Chloride	Lin1		0.3422		97.8	100	-2.2	30.0
Acetone	Lin2		0.0365		691	1000	-30.9*	30.0
trans-1,2-Dichloroethene	Ave	0.7060	0.6302		89.4	100	-10.7	30.0
Methyl acetate	Lin1		0.1409		968	1000	-3.2	30.0
Methyl tert-butyl ether	Ave	0.6992	0.5991		85.7	100	-14.3	30.0
2-Methyl-2-propanol	Ave	0.3834	0.3790		989	1000	-1.1	30.0
Isopropyl ether	Ave	1.997	1.774		89.1	100	-11.2	30.0
1,1-Dichloroethane	Ave	0.7919	0.7286	0.1000	98.1	100	-8.0	30.0
Acrylonitrile	Lin1		0.0621		95.3	100	-4.7	30.0
Tert-butyl ethyl ether	Ave	1.194	1.063		89.1	100	-10.9	30.0
Vinyl acetate	Ave	0.5745	0.4385		763	1000	-23.7	30.0
cis-1,2-Dichloroethene	Ave	0.6148	0.5793		94.1	100	-5.8	30.0
2,2-Dichloropropane	Ave	0.5371	0.4945		106	100	-7.9	30.0
Cyclohexane	Ave	0.8898	0.8215		92.9	100	-7.7	30.0
Chlorobromomethane	Ave	0.1386	0.1254		90.5	100	-9.5	30.0
Chloroform	Ave	0.6243	0.5520		94.5	100	-11.6	30.0
Carbon tetrachloride	Ave	0.3645	0.3253		88.9	100	-10.8	30.0
Tetrahydrofuran	Ave	0.0762	0.0643		918	1000	-15.7	30.0
1,1,1-Trichloroethane	Ave	0.5171	0.4713		90.3	100	-8.9	30.0
2-Butanone (MEK)	Ave	0.0960	0.0716		789	1000	-25.5	30.0
1,1-Dichloropropene	Ave	0.4990	0.4485		89.8	100	-10.1	30.0
Benzene	Ave	1.352	1.237		91.5	100	-8.5	30.0
Tert-amyl methyl ether	Ave	0.7621	0.6686		87.7	100	-12.3	30.0
1,2-Dichloroethane	Ave	0.3253	0.2852		87.7	100	-12.3	30.0
2,4,4-Trimethyl-1-pentene	Ave	0.3806	0.3587		106	100	-5.7	30.0
Methylcyclohexane	Ave	0.6300	0.5963		95.1	100	-5.4	30.0
Trichloroethene	Ave	0.3155	0.2852		94.0	100	-9.6	30.0
2,4,4-Trimethyl-2-pentene	Ave	0.1872	0.1829		97.7	100	-2.3	30.0
Dibromomethane	Ave	0.1188	0.1009		84.5	100	-15.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: ICV 360-48701/9 Calibration Date: 09/08/2009 19:13

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44796.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.3182	0.2806		99.6	100	-11.8	30.0
Dichlorobromomethane	Ave	0.3427	0.3047		88.2	100	-11.1	30.0
Methyl methacrylate	Ave	0.0864	0.0741		83.9	100	-14.3	30.0
1,4-Dioxane	Qua		0.0215		1000	1000	0.1	30.0
2-Chloroethyl vinyl ether	Lin		0.0277		772	1000	-22.8	30.0
cis-1,3-Dichloropropene	Ave	0.3975	0.3428		86.2	100	-13.8	30.0
Toluene	Ave	0.7062	0.6354		92.5	100	-10.0	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2048	0.1575		771	1000	-23.1	30.0
Tetrachloroethene	Ave	0.1859	0.1710		91.8	100	-8.0	30.0
trans-1,3-Dichloropropene	Ave	0.2914	0.2543		87.5	100	-12.7	30.0
1,1,2-Trichloroethane	Lin1		0.1061		85.2	100	-14.8	30.0
Chlorodibromomethane	Ave	0.1504	0.1256		83.5	100	-16.5	30.0
1,3-Dichloropropane	Ave	0.2828	0.2393		84.6	100	-15.4	30.0
Ethylene Dibromide	Ave	0.1260	0.1093		86.6	100	-13.3	30.0
2-Hexanone	Ave	0.1294	0.0944		741	1000	-27.0	30.0
Chlorobenzene	Ave	1.096	0.9983	0.3000	91.7	100	-8.9	30.0
Ethylbenzene	Ave	2.279	2.091		98.1	100	-8.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3475	0.3262		98.5	100	-6.1	30.0
m-Xylene & p-Xylene	Ave	1.752	1.632		186	200	-6.9	30.0
o-Xylene	Ave	1.903	1.794		94.6	100	-5.8	30.0
Styrene	Ave	1.294	1.186		91.9	100	-8.4	30.0
Bromoform	Ave	0.3131	0.2672	0.1000	81.4	100	-14.7	30.0
Isopropylbenzene	Ave	2.255	2.177		96.7	100	-3.5	30.0
Bromobenzene	Ave	1.024	0.9365		91.9	100	-8.5	30.0
N-Propylbenzene	Ave	2.901	2.784		95.9	100	-4.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6847	0.5837	0.3000	84.7	100	-14.8	30.0
2-Chlorotoluene	Ave	1.927	1.807		94.2	100	-6.2	30.0
1,3,5-Trimethylbenzene	Ave	1.851	1.788		96.7	100	-3.4	30.0
1,2,3-Trichloropropane	Lin2		0.0628		101	100	1.0	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.1023		96.2	100	-3.8	30.0
4-Chlorotoluene	Ave	1.683	1.616		95.6	100	-4.0	30.0
tert-Butylbenzene	Ave	1.471	1.459		99.1	100	-0.8	30.0
1,2,4-Trimethylbenzene	Ave	1.874	1.766		93.9	100	-5.8	30.0
sec-Butylbenzene	Ave	2.518	2.422		96.2	100	-3.8	30.0
4-Isopropyltoluene	Ave	1.894	1.889		99.5	100	-0.3	30.0
1,3-Dichlorobenzene	Ave	0.8416	0.7990		94.9	100	-5.1	30.0
1,4-Dichlorobenzene	Ave	1.788	1.668		93.6	100	-6.7	30.0
n-Butylbenzene	Ave	4.614	4.465		96.8	100	-3.2	30.0
1,2-Dichlorobenzene	Ave	1.492	1.370		91.9	100	-8.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0770	0.0672		87.3	100	-12.7	30.0
Hexachlorobutadiene	Ave	0.5170	0.5013		97.0	100	-3.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: ICV 360-48701/9 Calibration Date: 09/08/2009 19:13

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44796.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.9752	0.9441		96.8	100	-3.2	30.0
Naphthalene	Ave	1.288	1.195		92.8	100	-7.2	30.0
1,2,3-Trichlorobenzene	Ave	0.7214	0.7174		99.4	100	-0.6	30.0
Dibromofluoromethane	Ave	0.2328	0.2272		97.6	100	-2.4	30.0
Toluene-d8 (Surr)	Ave	0.8882	0.8951		101	100	0.8	30.0
4-Bromofluorobenzene	Ave	0.5731	0.5636		98.4	100	-1.6	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44796.D		
Lims ID:	ICV	Client ID:	
Inject. Date:	08-Sep-2009 19:13:30	Dil. Factor:	1.0000
Sample Type:	ICV, ICal Verification		
Sample ID:	ICV		
Misc. Info.:	360-0001106-009		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	48701	Lims Sample ID:	9
Sublist:			
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:40:26	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:40:26

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.632	1.637	-0.005	139183	11.6	M
2 Chloromethane	50	1.818	1.818	0.000	382523	18.3	
3 Vinyl chloride	62	1.916	1.922	-0.006	262807	17.9	
4 Bromomethane	94	2.268	2.268	0.000	142748	19.3	
5 Chloroethane	64	2.397	2.397	0.000	156495	19.5	
6 Trichlorofluoromethane	101	2.547	2.547	0.000	220896	17.2	
7 Ethyl ether	59	2.867	2.862	0.005	112432	18.6	
9 Ethanol	45	3.069	3.002	0.067	29953	731.7	
8 1,1-Dichloroethene	96	3.059	3.059	0.000	142037	18.6	
10 Carbon disulfide	76	3.069	3.069	0.000	639857	18.5	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.126	3.126	0.000	83139	18.1	
12 Acrolein	56	3.394	3.395	-0.001	825527	1065.9	
13 Isopropyl alcohol	45	3.550	3.550	0.000	237801	922.0	
14 Methylene Chloride	84	3.622	3.622	0.000	169538	19.6	
15 Acetone	43	3.679	3.679	0.000	180955	138.1	
16 trans-1,2-Dichloroethene	61	3.772	3.772	0.000	312216	17.9	
17 Methyl acetate	43	3.798	3.803	-0.005	697836	193.6	
18 Hexane	57	3.849	3.849	0.000	386897	18.3	
19 Methyl tert-butyl ether	73	3.880	3.875	0.005	296781	17.1	
20 2-Methyl-2-propanol	59	3.968	3.968	0.000	74913	197.7	
21 Isopropyl ether	45	4.221	4.222	-0.001	878635	17.8	
22 1,1-Dichloroethane	63	4.335	4.330	0.005	360968	19.6	
23 Acrylonitrile	53	4.392	4.392	0.000	30748	19.1	
24 Tert-butyl ethyl ether	59	4.542	4.542	0.000	526632	17.8	
25 Vinyl acetate	43	4.562	4.563	-0.001	2172332	152.7	
26 cis-1,2-Dichloroethene	61	4.805	4.800	0.005	286983	18.8	
27 2,2-Dichloropropane	77	4.898	4.899	-0.001	244997	21.2	
28 Cyclohexane	56	4.971	4.971	0.000	407006	18.6	
29 Chlorobromomethane	130	4.976	4.976	0.000	62139	18.1	
30 Chloroform	83	5.038	5.038	0.000	273477	18.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.146	5.147	-0.001	881223	181.4	
32 Carbon tetrachloride	117	5.152	5.152	0.000	161136	17.8	
33 Tetrahydrofuran	42	5.172	5.172	0.000	318292	183.6	
34 sec-Butyl Alcohol	45	5.177	5.183	-0.006	427534	907.0	
$ 35 Dibromofluoromethane	113	5.198	5.193	0.005	112538	19.5	
36 1,1,1-Trichloroethane	97	5.219	5.214	0.005	233468	18.1	
37 2-Butanone (MEK)	43	5.312	5.307	0.005	354535	157.9	
38 1,1-Dichloropropene	75	5.322	5.317	0.005	222177	18.0	
39 n-Heptane	43	5.493	5.493	0.000	417232	18.9	
40 Benzene	78	5.534	5.534	0.000	612595	18.3	
41 Tert-amyl methyl ether	73	5.627	5.622	0.005	331251	17.5	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.653	5.648	0.005	19766	20.0	
43 1,2-Dichloroethane	62	5.705	5.705	-0.001	141291	17.5	
* 44 Fluorobenzene	96	5.880	5.875	0.005	495421	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.901	5.901	0.000	177724	21.1	
46 Isopropyl acetate	43	5.906	5.901	0.005	1900313	184.8	
47 Methylcyclohexane	83	5.999	5.999	0.000	295423	19.0	
48 Trichloroethene	95	6.009	6.010	-0.001	141273	18.8	
49 2,4,4-Trimethyl-2-pentene	112	6.035	6.035	0.000	90626	19.5	
50 Dibromomethane	93	6.356	6.356	0.000	49980	16.9	
51 1,2-Dichloropropane	63	6.438	6.439	-0.001	139017	19.9	
52 Dichlorobromomethane	83	6.480	6.480	0.000	150939	17.6	
53 Methyl methacrylate	69	6.604	6.604	0.000	36696	16.8	
54 1,4-Dioxane	88	6.645	6.647	-0.002	4254	200.3	
55 n-Propyl acetate	43	6.712	6.712	0.000	1109476	180.2	
56 2-Chloroethyl vinyl ether	63	6.929	6.929	0.000	137214	154.4	
57 cis-1,3-Dichloropropene	75	6.976	6.976	0.000	169809	17.2	
$ 58 Toluene-d8 (Surr)	98	7.126	7.126	0.000	443432	20.2	
59 Toluene	92	7.162	7.162	0.000	314768	18.5	
60 Tetrachloroethene	164	7.456	7.457	-0.001	84691	18.4	
61 4-Methyl-2-pentanone (MIBK)	43	7.456	7.457	-0.001	780289	154.2	
62 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	125991	17.5	
63 Isobutyl acetate	43	7.544	7.544	0.000	2696886	185.8	
64 1,1,2-Trichloroethane	83	7.606	7.606	0.000	52584	17.0	
65 Chlorodibromomethane	129	7.746	7.746	0.000	62208	16.7	
66 1,3-Dichloropropane	76	7.823	7.824	-0.001	118551	16.9	
67 Ethylene Dibromide	107	7.937	7.937	0.000	54142	17.3	
68 n-Butyl acetate	43	8.015	8.015	0.000	1433858	175.4	
69 2-Hexanone	43	8.097	8.097	0.000	467711	148.3	
* 70 Chlorobenzene-d5	117	8.319	8.320	-0.001	300075	20.0	
71 Chlorobenzene	112	8.335	8.335	0.000	299553	18.3	
72 Ethylbenzene	91	8.350	8.351	-0.001	627489	19.6	
73 1,1,1,2-Tetrachloroethane	131	8.381	8.382	-0.001	97888	19.7	
74 m-Xylene & p-Xylene	91	8.459	8.459	0.000	979420	37.3	
75 o-Xylene	91	8.790	8.790	0.000	538321	18.9	
76 Styrene	104	8.831	8.831	0.000	355747	18.4	
77 Bromoform	173	8.857	8.857	0.000	37323	16.3	
78 Isopropylbenzene	105	9.033	9.033	0.000	653169	19.3	
$ 80 4-Bromofluorobenzene	95	9.255	9.255	0.000	169135	19.7	
81 Bromobenzene	77	9.343	9.343	0.000	281033	18.4	
82 N-Propylbenzene	91	9.353	9.353	0.000	835508	19.2	
83 1,1,2,2-Tetrachloroethane	83	9.405	9.405	0.000	81527	16.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.482	9.482	0.000	542342	18.8	
85 1,3,5-Trimethylbenzene	105	9.503	9.503	0.000	536636	19.3	
86 1,2,3-Trichloropropane	110	9.524	9.519	0.005	18831	20.2	
87 trans-1,4-Dichloro-2-butene	53	9.549	9.550	-0.001	30706	19.2	
88 4-Chlorotoluene	91	9.611	9.612	-0.001	484898	19.1	
89 tert-Butylbenzene	119	9.756	9.756	0.000	437746	19.8	
90 1,2,4-Trimethylbenzene	105	9.808	9.808	0.000	529910	18.8	
91 sec-Butylbenzene	105	9.896	9.896	0.000	726845	19.2	
92 4-Isopropyltoluene	119	10.004	10.004	0.000	566927	19.9	
93 1,3-Dichlorobenzene	146	10.071	10.077	-0.006	239762	19.0	
* 94 1,4-Dichlorobenzene-d4	152	10.128	10.134	-0.006	139671	20.0	
95 1,4-Dichlorobenzene	146	10.144	10.144	0.000	232976	18.7	
96 n-Butylbenzene	91	10.345	10.351	-0.006	623639	19.4	
97 1,2-Dichlorobenzene	146	10.500	10.500	0.000	191336	18.4	
98 1,2-Dibromo-3-Chloropropane	157	11.275	11.276	-0.001	9383	17.5	
99 1,3,5-Trichlorobenzene	180	11.301	11.307	-0.006	182936	20.2	
100 Hexachlorobutadiene	225	12.030	12.030	0.000	70021	19.4	
101 1,2,4-Trichlorobenzene	180	12.077	12.082	-0.006	131858	19.4	
102 Naphthalene	128	12.547	12.547	0.000	166938	18.6	
103 1,2,3-Trichlorobenzene	180	12.821	12.821	0.000	100202	19.9	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:40:27 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44796.D

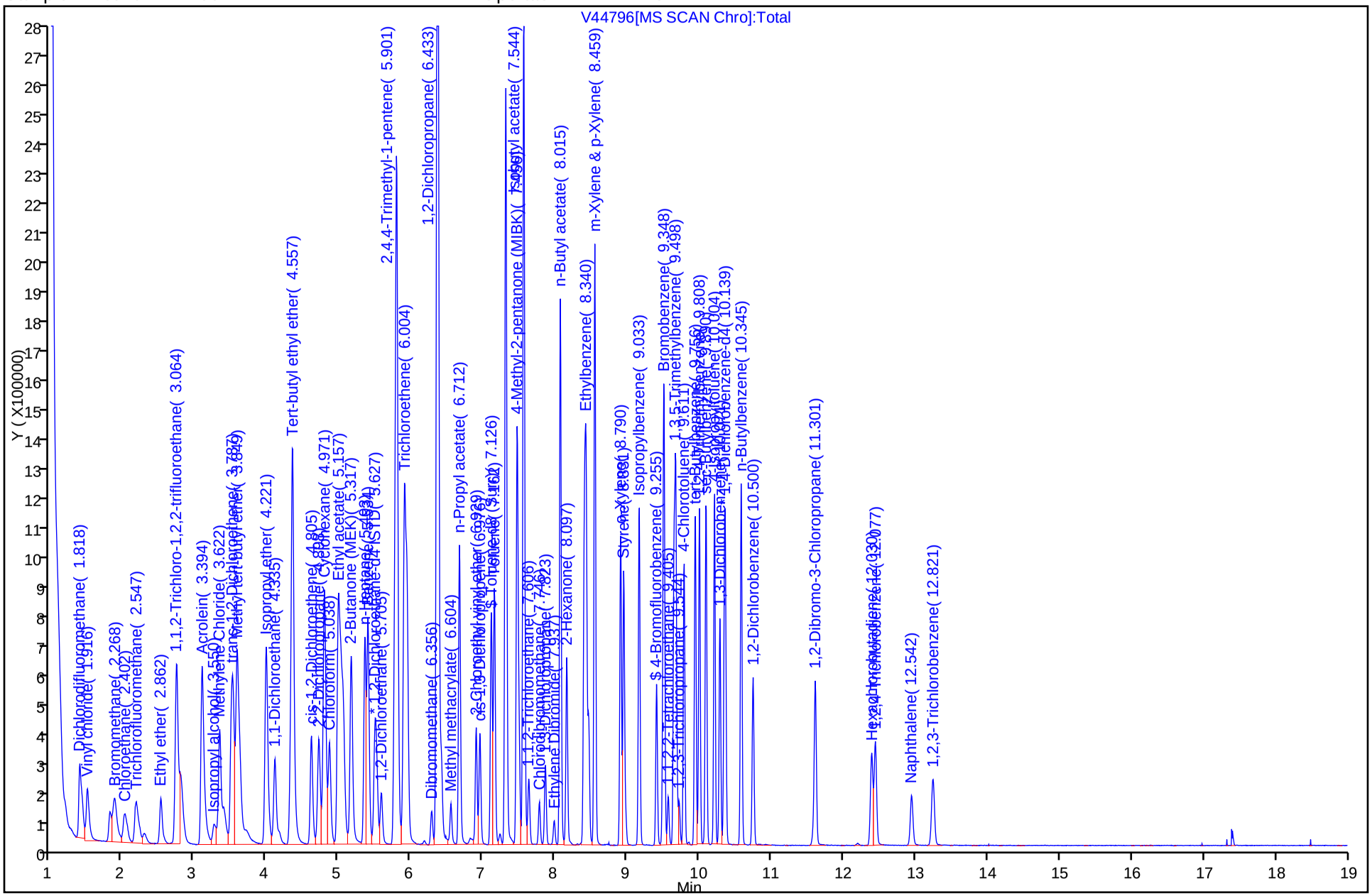
Inj Date: 08-Sep-2009 19:13:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48701 Lims Sample ID: 9

Client ID: Instrument: HP #1 GC/MS

Sample Info: ICV

Sample Amount: 1.00 Operator: CR



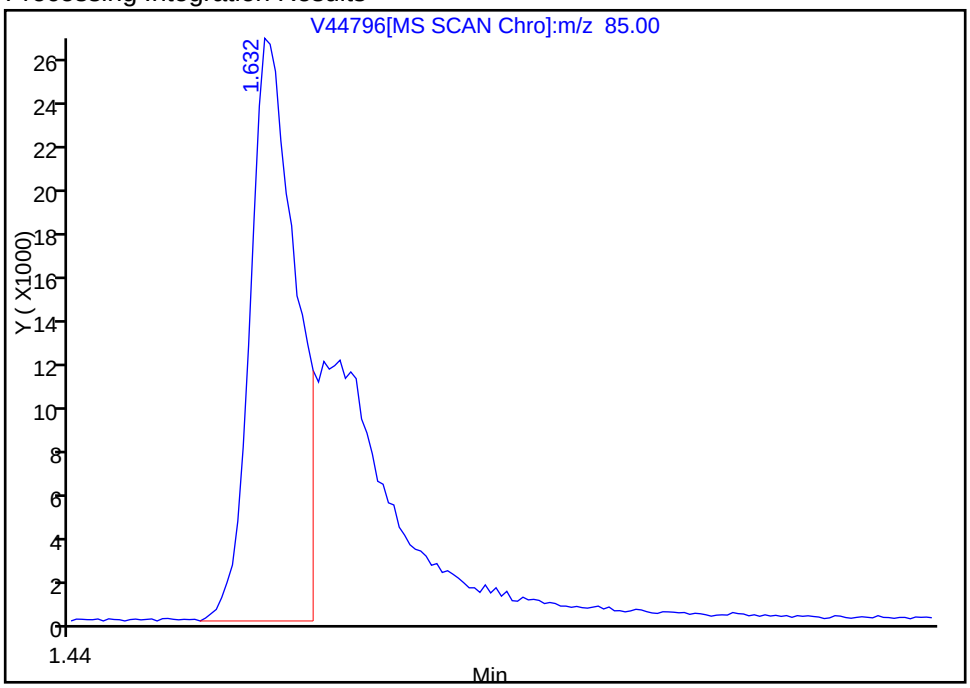
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44796.D		
Inj Date:	08-Sep-2009 19:13:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	9
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	ICV		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

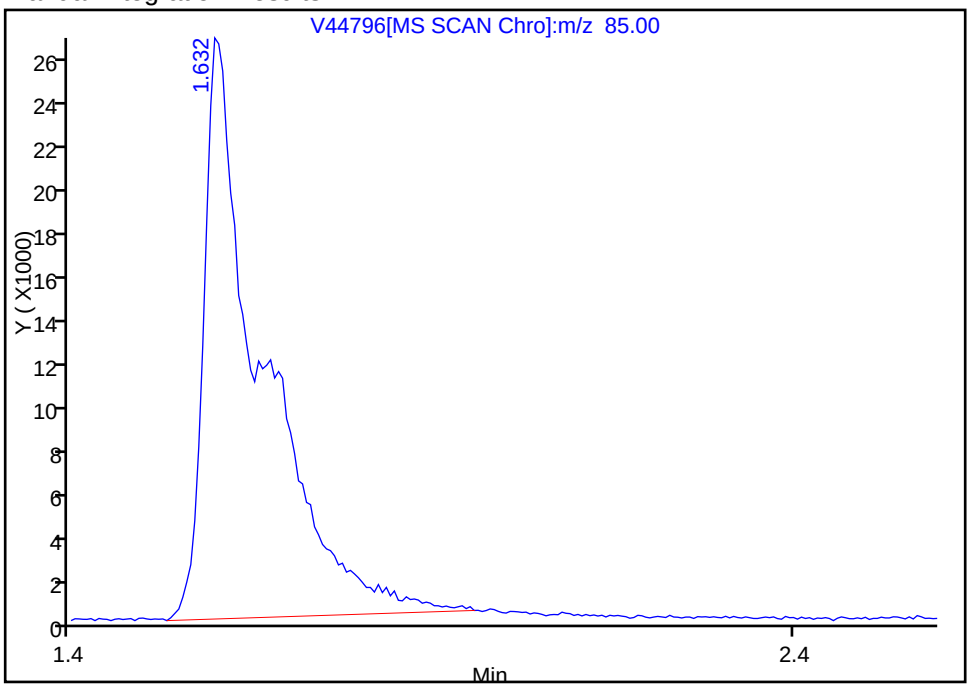
Processing Integration Results

RT: 1.63
Response: 81811
Amount: 6.843065



Manual Integration Results

RT: 1.63
Response: 139183
Amount: 11.641934



Reviewer: rouleauc, 09-Sep-2009 10:40:26
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVIS 360-48711/2 Calibration Date: 09/08/2009 20:02

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44798.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.4267		17.7	20.0	-11.6	30.0
Chloromethane	Ave	0.9034	0.8147	0.1000	19.4	20.0	-9.8	30.0
Vinyl chloride	Ave	0.6300	0.5535		18.7	20.0	-12.2	20.0
Bromomethane	Ave	0.3127	0.2870		19.2	20.0	-8.2	30.0
Chloroethane	Lin2		0.3212		19.8	20.0	-0.8	30.0
Trichlorofluoromethane	Ave	0.5183	0.4560		17.6	20.0	-12.0	30.0
Ethyl ether	Ave	0.2603	0.2528		20.8	20.0	-2.9	30.0
1,1-Dichloroethene	Ave	0.3201	0.2911		18.9	20.0	-9.0	20.0
Carbon disulfide	Ave	1.395	1.266		18.2	20.0	-9.3	30.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.1858	0.1663		17.9	20.0	-10.5	30.0
Acrolein	Ave	0.7836	0.7714		984	1000	-1.6	30.0
Methylene Chloride	Lin1		0.3608		20.7	20.0	3.4	30.0
Acetone	Lin2		0.0546		209	200	4.5	30.0
trans-1,2-Dichloroethene	Ave	0.7060	0.6417		18.2	20.0	-9.1	30.0
Methyl acetate	Lin1		0.1507		207	200	3.6	30.0
Methyl tert-butyl ether	Ave	0.6992	0.6704		19.2	20.0	-4.1	30.0
2-Methyl-2-propanol	Ave	0.3834	0.3628		189	200	-5.4	30.0
Isopropyl ether	Ave	1.997	1.926		19.4	20.0	-3.6	30.0
1,1-Dichloroethane	Ave	0.7919	0.7422	0.1000	20.0	20.0	-6.3	30.0
Acrylonitrile	Lin1		0.0659		20.3	20.0	1.4	30.0
Tert-butyl ethyl ether	Ave	1.194	1.175		19.7	20.0	-1.5	30.0
Vinyl acetate	Ave	0.5745	0.5927		206	200	3.2	30.0
cis-1,2-Dichloroethene	Ave	0.6148	0.5877		19.1	20.0	-4.4	30.0
2,2-Dichloropropane	Ave	0.5371	0.4569		19.4	20.0	-14.9	30.0
Chlorobromomethane	Ave	0.1386	0.1366		19.7	20.0	-1.4	30.0
Cyclohexane	Ave	0.8898	0.7961		18.0	20.0	-10.5	30.0
Chloroform	Ave	0.6243	0.5772		19.8	20.0	-7.5	20.0
Carbon tetrachloride	Ave	0.3645	0.3368		18.4	20.0	-7.6	30.0
Tetrahydrofuran	Ave	0.0762	0.0745		213	200	-2.2	30.0
1,1,1-Trichloroethane	Ave	0.5171	0.4633		17.7	20.0	-10.4	30.0
2-Butanone (MEK)	Ave	0.0960	0.0947		210	200	-1.3	30.0
1,1-Dichloropropene	Ave	0.4990	0.4586		18.4	20.0	-8.1	30.0
Benzene	Ave	1.352	1.315		19.5	20.0	-2.7	30.0
Tert-amyl methyl ether	Ave	0.7621	0.7620		20.0	20.0	0.0	30.0
1,2-Dichloroethane	Ave	0.3253	0.3207		19.7	20.0	-1.4	30.0
2,4,4-Trimethyl-1-pentene	Ave	0.3806	0.3173		18.5	20.0	-16.6	30.0
Methylcyclohexane	Ave	0.6300	0.5754		18.3	20.0	-8.7	30.0
Trichloroethene	Ave	0.3155	0.2950		19.4	20.0	-6.5	30.0
2,4,4-Trimethyl-2-pentene	Ave	0.1872	0.1671		17.9	20.0	-10.7	30.0
Dibromomethane	Ave	0.1188	0.1209		20.3	20.0	1.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVIS 360-48711/2 Calibration Date: 09/08/2009 20:02

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44798.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.3182	0.3026		21.5	20.0	-4.9	20.0
Dichlorobromomethane	Ave	0.3427	0.3416		19.8	20.0	-0.3	30.0
Methyl methacrylate	Ave	0.0864	0.0927		21.0	20.0	7.3	30.0
1,4-Dioxane	Qua		0.0204		190	200	-5.0	30.0
2-Chloroethyl vinyl ether	Lin		0.0414		222	200	11.0	30.0
cis-1,3-Dichloropropene	Ave	0.3975	0.4142		20.8	20.0	4.2	30.0
Toluene	Ave	0.7062	0.6889		20.1	20.0	-2.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2048	0.2131		209	200	4.0	30.0
Tetrachloroethene	Ave	0.1859	0.1874		20.1	20.0	0.8	30.0
trans-1,3-Dichloropropene	Ave	0.2914	0.3076		21.2	20.0	5.5	30.0
1,1,2-Trichloroethane	Lin1		0.1310		20.9	20.0	4.7	30.0
Chlorodibromomethane	Ave	0.1504	0.1549		20.6	20.0	3.0	30.0
1,3-Dichloropropane	Ave	0.2828	0.2918		20.6	20.0	3.2	30.0
Ethylene Dibromide	Ave	0.1260	0.1329		21.1	20.0	5.5	30.0
2-Hexanone	Ave	0.1294	0.1350		212	200	4.3	30.0
Chlorobenzene	Ave	1.096	1.063	0.3000	19.5	20.0	-3.0	30.0
Ethylbenzene	Ave	2.279	2.113		19.8	20.0	-7.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3475	0.3333		20.1	20.0	-4.1	30.0
m-Xylene & p-Xylene	Ave	1.752	1.637		37.4	40.0	-6.6	30.0
o-Xylene	Ave	1.903	1.780		18.8	20.0	-6.5	30.0
Styrene	Ave	1.294	1.244		19.3	20.0	-3.9	30.0
Bromoform	Ave	0.3131	0.3200	0.1000	19.3	20.0	2.2	20.0
Isopropylbenzene	Ave	2.255	2.092		18.6	20.0	-7.2	30.0
Bromobenzene	Ave	1.024	0.9511		18.7	20.0	-7.1	30.0
N-Propylbenzene	Ave	2.901	2.655		18.3	20.0	-8.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6847	0.6784	0.3000	19.7	20.0	-0.9	30.0
2-Chlorotoluene	Ave	1.927	1.771		18.5	20.0	-8.1	30.0
1,3,5-Trimethylbenzene	Ave	1.851	1.715		18.5	20.0	-7.4	30.0
1,2,3-Trichloropropane	Lin2		0.0630		20.3	20.0	1.4	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.1056		19.9	20.0	-0.6	30.0
4-Chlorotoluene	Ave	1.683	1.567		18.5	20.0	-6.9	30.0
tert-Butylbenzene	Ave	1.471	1.371		18.6	20.0	-6.8	30.0
1,2,4-Trimethylbenzene	Ave	1.874	1.716		18.2	20.0	-8.4	30.0
sec-Butylbenzene	Ave	2.518	2.298		18.3	20.0	-8.7	30.0
4-Isopropyltoluene	Ave	1.894	1.751		18.4	20.0	-7.6	30.0
1,3-Dichlorobenzene	Ave	0.8416	0.7806		18.5	20.0	-7.2	30.0
1,4-Dichlorobenzene	Ave	1.788	1.741		19.5	20.0	-2.6	30.0
n-Butylbenzene	Ave	4.614	4.348		18.8	20.0	-5.8	30.0
1,2-Dichlorobenzene	Ave	1.492	1.464		19.6	20.0	-1.9	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0770	0.0775		20.1	20.0	0.7	30.0
Hexachlorobutadiene	Ave	0.5170	0.4963		19.2	20.0	-4.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVIS 360-48711/2 Calibration Date: 09/08/2009 20:02

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44798.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.9752	0.9552		19.6	20.0	-2.0	30.0
Naphthalene	Ave	1.288	1.298		20.2	20.0	0.8	30.0
1,2,3-Trichlorobenzene	Ave	0.7214	0.7322		20.3	20.0	1.5	30.0
Dibromofluoromethane	Ave	0.2328	0.2332		20.0	20.0	0.2	30.0
Toluene-d8 (Surr)	Ave	0.8882	0.9123		20.5	20.0	2.7	30.0
4-Bromofluorobenzene	Ave	0.5731	0.5523		19.3	20.0	-3.6	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44798.D		
Lims ID:	CCVIS	Client ID:	
Inject. Date:	08-Sep-2009 20:02:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCVIS		
Misc. Info.:	360-0001108-002		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	48711	Lims Sample ID:	2
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:46:58	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:46:58

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.639	1.639	0.000	228677	17.7	M
2 Chloromethane	50	1.820	1.818	0.002	436630	19.4	
3 Vinyl chloride	62	1.918	1.922	-0.004	296605	18.7	
4 Bromomethane	94	2.275	2.268	0.007	153793	19.2	
5 Chloroethane	64	2.409	2.397	0.012	172156	19.8	
6 Trichlorofluoromethane	101	2.548	2.547	0.001	244360	17.6	
7 Ethyl ether	59	2.869	2.862	0.007	135483	20.8	
9 Ethanol	45	3.070	3.070	0.000	43209	985.6	
8 1,1-Dichloroethene	96	3.060	3.059	0.001	156026	18.9	
10 Carbon disulfide	76	3.076	3.069	0.007	678539	18.2	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.132	3.126	0.006	89138	17.9	
12 Acrolein	56	3.401	3.395	0.006	907286	984.4	
13 Isopropyl alcohol	45	3.551	3.550	0.001	287114	1030.8	
14 Methylene Chloride	84	3.623	3.622	0.001	193366	20.7	
15 Acetone	43	3.680	3.679	0.001	292824	209.0	
16 trans-1,2-Dichloroethene	61	3.773	3.772	0.001	343904	18.2	
17 Methyl acetate	43	3.799	3.804	-0.005	807748	207.1	
18 Hexane	57	3.851	3.849	0.002	422509	18.5	
19 Methyl tert-butyl ether	73	3.882	3.875	0.007	359263	19.2	
20 2-Methyl-2-propanol	59	3.975	3.968	0.007	85350	189.3	
21 Isopropyl ether	45	4.223	4.222	0.001	1031971	19.4	
22 1,1-Dichloroethane	63	4.337	4.330	0.006	397735	20.0	
23 Acrylonitrile	53	4.393	4.392	0.001	35302	20.3	
24 Tert-butyl ethyl ether	59	4.548	4.542	0.006	629836	19.7	
25 Vinyl acetate	43	4.564	4.563	0.001	3176209	206.3	
26 cis-1,2-Dichloroethene	61	4.807	4.800	0.007	314961	19.1	
27 2,2-Dichloropropane	77	4.905	4.899	0.006	244884	19.4	
28 Cyclohexane	56	4.977	4.971	0.006	426648	18.0	
29 Chlorobromomethane	130	4.977	4.976	0.001	73229	19.7	
30 Chloroform	83	5.039	5.038	0.001	309343	19.8	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.153	5.147	0.006	1168296	222.3	
32 Carbon tetrachloride	117	5.158	5.152	0.006	180482	18.4	
33 Tetrahydrofuran	42	5.174	5.172	0.002	399265	213.3	
34 sec-Butyl Alcohol	45	5.184	5.183	0.001	546413	1071.6	
$ 35 Dibromofluoromethane	113	5.200	5.193	0.007	124976	20.0	
36 1,1,1-Trichloroethane	97	5.220	5.214	0.006	248267	17.7	
37 2-Butanone (MEK)	43	5.313	5.307	0.006	507708	209.6	
38 1,1-Dichloropropene	75	5.324	5.317	0.007	245772	18.4	
39 n-Heptane	43	5.494	5.493	0.001	453945	19.0	
40 Benzene	78	5.535	5.534	0.001	704975	19.5	
41 Tert-amyl methyl ether	73	5.628	5.622	0.006	408360	20.0	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.654	5.648	0.006	23523	20.0	
43 1,2-Dichloroethane	62	5.711	5.705	0.006	171891	19.7	
* 44 Fluorobenzene	96	5.882	5.875	0.007	535921	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.902	5.901	0.001	170066	18.5	
46 Isopropyl acetate	43	5.908	5.901	0.007	2432451	218.7	
47 Methylcyclohexane	83	6.006	5.999	0.007	308344	18.3	
48 Trichloroethene	95	6.011	6.010	0.001	158071	19.4	
49 2,4,4-Trimethyl-2-pentene	112	6.037	6.035	0.002	89559	17.9	
50 Dibromomethane	93	6.357	6.356	0.001	64793	20.3	
51 1,2-Dichloropropane	63	6.440	6.439	0.001	162154	21.5	
52 Dichlorobromomethane	83	6.481	6.480	0.001	183079	19.8	
53 Methyl methacrylate	69	6.605	6.604	0.001	49666	21.0	
54 1,4-Dioxane	88	6.657	6.651	0.006	4805	189.9	
55 n-Propyl acetate	43	6.714	6.712	0.002	1528311	229.5	
56 2-Chloroethyl vinyl ether	63	6.931	6.929	0.002	221783	221.9	
57 cis-1,3-Dichloropropene	75	6.977	6.976	0.001	221970	20.8	
$ 58 Toluene-d8 (Surr)	98	7.127	7.126	0.001	488940	20.5	
59 Toluene	92	7.169	7.162	0.006	369217	20.1	
60 Tetrachloroethene	164	7.458	7.457	0.001	100447	20.1	
61 4-Methyl-2-pentanone (MIBK)	43	7.458	7.457	0.001	1142165	208.6	
62 trans-1,3-Dichloropropene	75	7.484	7.482	0.002	164829	21.2	
63 Isobutyl acetate	43	7.546	7.544	0.002	3409114	217.2	
64 1,1,2-Trichloroethane	83	7.613	7.606	0.007	70195	20.9	
65 Chlorodibromomethane	129	7.747	7.746	0.001	83035	20.6	
66 1,3-Dichloropropane	76	7.825	7.824	0.001	156363	20.6	
67 Ethylene Dibromide	107	7.939	7.937	0.002	71235	21.1	
68 n-Butyl acetate	43	8.016	8.015	0.001	1942088	219.6	
69 2-Hexanone	43	8.099	8.097	0.002	723204	212.1	
* 70 Chlorobenzene-d5	117	8.321	8.320	0.001	339021	20.0	
71 Chlorobenzene	112	8.336	8.335	0.001	360458	19.5	
72 Ethylbenzene	91	8.352	8.351	0.001	716417	19.8	
73 1,1,1,2-Tetrachloroethane	131	8.383	8.382	0.001	113010	20.1	
74 m-Xylene & p-Xylene	91	8.460	8.459	0.001	1109880	37.4	
75 o-Xylene	91	8.791	8.790	0.001	603442	18.8	
76 Styrene	104	8.833	8.831	0.002	421655	19.3	
77 Bromoform	173	8.858	8.857	0.001	48071	19.3	
78 Isopropylbenzene	105	9.034	9.033	0.001	709360	18.6	
$ 80 4-Bromofluorobenzene	95	9.256	9.255	0.001	187249	19.3	
81 Bromobenzene	77	9.344	9.343	0.001	322446	18.7	
82 N-Propylbenzene	91	9.355	9.353	0.001	900055	18.3	
83 1,1,2,2-Tetrachloroethane	83	9.406	9.405	0.001	101921	19.7	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.484	9.482	0.002	600266	18.5	
85 1,3,5-Trimethylbenzene	105	9.504	9.503	0.001	581497	18.5	
86 1,2,3-Trichloropropane	110	9.520	9.519	0.001	21362	20.3	
87 trans-1,4-Dichloro-2-butene	53	9.551	9.550	0.001	35813	19.9	
88 4-Chlorotoluene	91	9.613	9.612	0.001	531151	18.5	
89 tert-Butylbenzene	119	9.758	9.756	0.002	464925	18.6	
90 1,2,4-Trimethylbenzene	105	9.809	9.808	0.001	581841	18.2	
91 sec-Butylbenzene	105	9.897	9.896	0.001	778975	18.3	
92 4-Isopropyltoluene	119	10.006	10.004	0.002	593570	18.4	
93 1,3-Dichlorobenzene	146	10.073	10.077	-0.004	264653	18.5	
* 94 1,4-Dichlorobenzene-d4	152	10.135	10.134	0.001	150244	20.0	
95 1,4-Dichlorobenzene	146	10.145	10.144	0.001	261544	19.5	
96 n-Butylbenzene	91	10.347	10.351	-0.004	653261	18.8	
97 1,2-Dichlorobenzene	146	10.502	10.500	0.002	219899	19.6	
98 1,2-Dibromo-3-Chloropropane	157	11.282	11.276	0.006	11647	20.1	
99 1,3,5-Trichlorobenzene	180	11.303	11.307	-0.004	198442	20.4	
100 Hexachlorobutadiene	225	12.031	12.030	0.001	74570	19.2	
101 1,2,4-Trichlorobenzene	180	12.078	12.082	-0.004	143519	19.6	
102 Naphthalene	128	12.548	12.547	0.001	195019	20.2	
103 1,2,3-Trichlorobenzene	180	12.822	12.821	0.001	110012	20.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:46:59 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44798.D

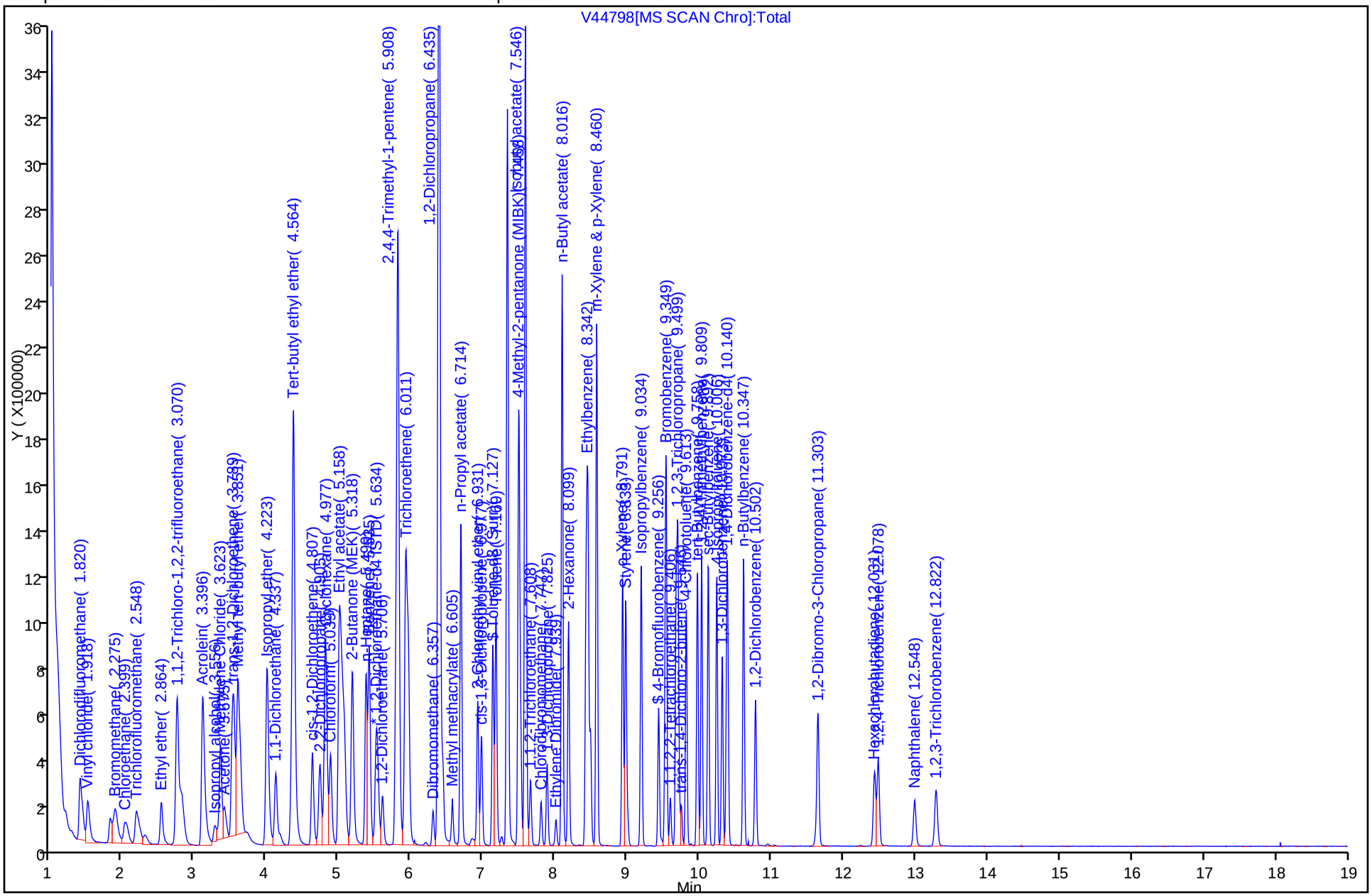
Inj Date: 08-Sep-2009 20:02:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48711 Lims Sample ID: 2

Client ID: Instrument: HP #1 GC/MS

Sample Info: CCVIS

Sample Amount: 1.00 Operator: CR



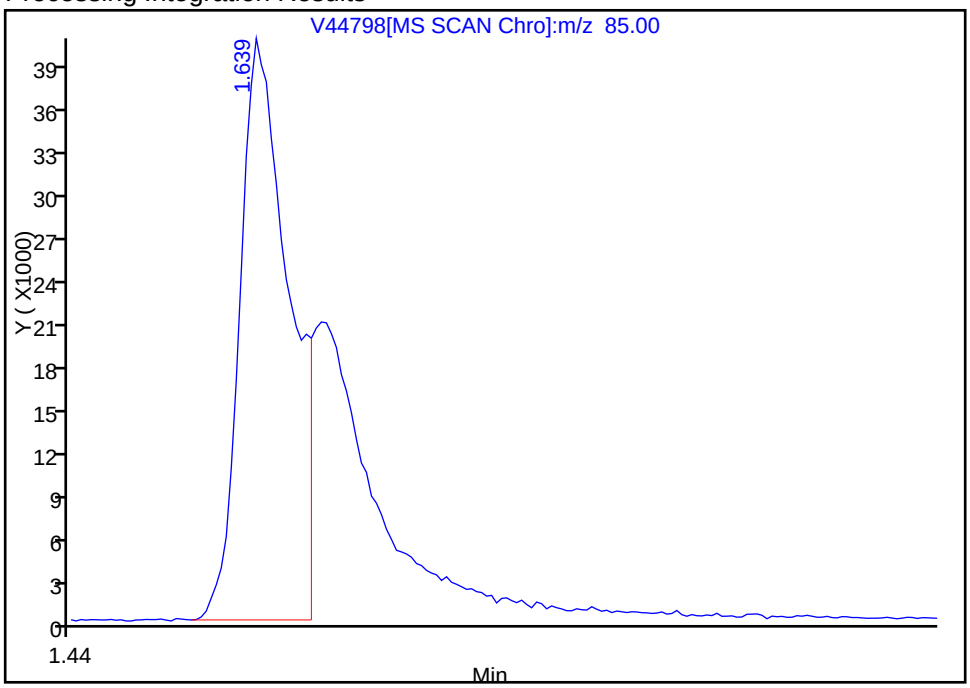
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44798.D		
Inj Date:	08-Sep-2009 20:02:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48711	Lims Sample ID:	2
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	CCVIS		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

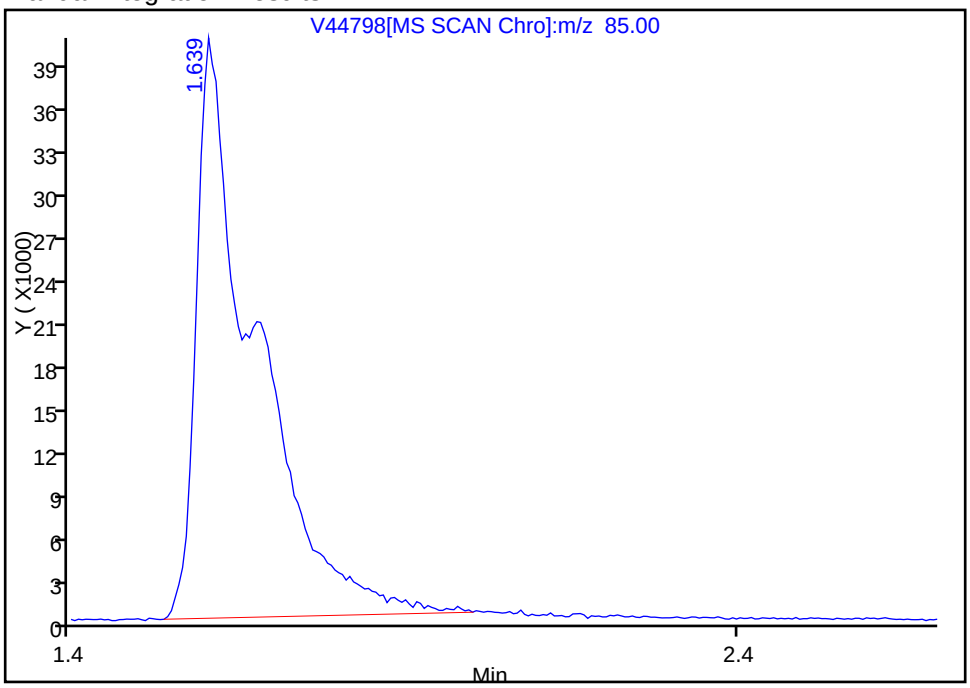
Processing Integration Results

RT: 1.64
Response: 143201
Amount: 11.072830



Manual Integration Results

RT: 1.64
Response: 228677
Amount: 17.682150



Reviewer: rouleauc, 09-Sep-2009 10:46:58
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVIS 360-48767/2 Calibration Date: 09/09/2009 16:42

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44837.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.4534		18.8	20.0	-6.1	30.0
Chloromethane	Ave	0.9034	0.7851	0.1000	18.6	20.0	-13.1	30.0
Vinyl chloride	Ave	0.6300	0.5356		18.1	20.0	-15.0	20.0
Bromomethane	Ave	0.3127	0.2857		19.2	20.0	-8.6	30.0
Chloroethane	Lin2		0.3023		18.6	20.0	-7.1	30.0
Trichlorofluoromethane	Ave	0.5183	0.4732		18.3	20.0	-8.7	30.0
Ethyl ether	Ave	0.2603	0.2240		18.4	20.0	-14.0	30.0
1,1-Dichloroethene	Ave	0.3201	0.2793		18.1	20.0	-12.7	20.0
Carbon disulfide	Ave	1.395	1.077		15.5	20.0	-22.8	30.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.1858	0.1631		17.6	20.0	-12.2	30.0
Acrolein	Ave	0.7836	0.6624		845	1000	-15.5	30.0
Methylene Chloride	Lin1		0.3658		21.0	20.0	4.9	30.0
Acetone	Lin2		0.0531		203	200	1.5	30.0
trans-1,2-Dichloroethene	Ave	0.7060	0.5911		16.8	20.0	-16.3	30.0
Methyl acetate	Lin1		0.1351		186	200	-7.2	30.0
Methyl tert-butyl ether	Ave	0.6992	0.6190		17.7	20.0	-11.5	30.0
2-Methyl-2-propanol	Ave	0.3834	0.2764		144	200	-27.9	30.0
Isopropyl ether	Ave	1.997	1.745		17.5	20.0	-12.6	30.0
1,1-Dichloroethane	Ave	0.7919	0.6728	0.1000	18.1	20.0	-15.0	30.0
Acrylonitrile	Lin1		0.0640		19.7	20.0	-1.5	30.0
Tert-butyl ethyl ether	Ave	1.194	1.077		18.1	20.0	-9.7	30.0
Vinyl acetate	Ave	0.5745	0.5579		194	200	-2.9	30.0
cis-1,2-Dichloroethene	Ave	0.6148	0.5333		17.3	20.0	-13.3	30.0
2,2-Dichloropropane	Ave	0.5371	0.4317		18.2	20.0	-19.6	30.0
Cyclohexane	Ave	0.8898	0.7871		17.8	20.0	-11.5	30.0
Chlorobromomethane	Ave	0.1386	0.1279		18.5	20.0	-7.7	30.0
Chloroform	Ave	0.6243	0.5344		18.3	20.0	-14.4	20.0
Carbon tetrachloride	Ave	0.3645	0.3201		17.5	20.0	-12.2	30.0
Tetrahydrofuran	Ave	0.0762	0.0704		202	200	-7.5	30.0
1,1,1-Trichloroethane	Ave	0.5171	0.4470		17.1	20.0	-13.6	30.0
2-Butanone (MEK)	Ave	0.0960	0.0883		195	200	-8.0	30.0
1,1-Dichloropropene	Ave	0.4990	0.4343		17.4	20.0	-13.0	30.0
Benzene	Ave	1.352	1.227		18.2	20.0	-9.2	30.0
Tert-amyl methyl ether	Ave	0.7621	0.7178		18.8	20.0	-5.8	30.0
1,2-Dichloroethane	Ave	0.3253	0.3022		18.6	20.0	-7.1	30.0
2,4,4-Trimethyl-1-pentene	Ave	0.3806	0.3166		18.4	20.0	-16.8	30.0
Methylcyclohexane	Ave	0.6300	0.5726		18.3	20.0	-9.1	30.0
Trichloroethene	Ave	0.3155	0.2813		18.5	20.0	-10.8	30.0
2,4,4-Trimethyl-2-pentene	Ave	0.1872	0.1688		18.0	20.0	-9.9	30.0
Dibromomethane	Ave	0.1188	0.1148		19.2	20.0	-3.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVIS 360-48767/2 Calibration Date: 09/09/2009 16:42

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44837.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.3182	0.2825		20.1	20.0	-11.2	20.0
Dichlorobromomethane	Ave	0.3427	0.3197		18.5	20.0	-6.7	30.0
Methyl methacrylate	Ave	0.0864	0.0847		19.2	20.0	-1.9	30.0
1,4-Dioxane	Qua		0.0180		167	200	-16.3	30.0
2-Chloroethyl vinyl ether	Lin		0.0630		329	200	64.4*	30.0
cis-1,3-Dichloropropene	Ave	0.3975	0.3861		19.4	20.0	-2.9	30.0
Toluene	Ave	0.7062	0.6559		19.1	20.0	-7.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2048	0.1942		190	200	-5.2	30.0
Tetrachloroethene	Ave	0.1859	0.1834		19.7	20.0	-1.3	30.0
trans-1,3-Dichloropropene	Ave	0.2914	0.2845		19.6	20.0	-2.4	30.0
1,1,2-Trichloroethane	Lin1		0.1193		19.1	20.0	-4.4	30.0
Chlorodibromomethane	Ave	0.1504	0.1453		19.3	20.0	-3.4	30.0
1,3-Dichloropropane	Ave	0.2828	0.2702		19.1	20.0	-4.5	30.0
Ethylene Dibromide	Ave	0.1260	0.1241		19.7	20.0	-1.5	30.0
2-Hexanone	Ave	0.1294	0.1192		187	200	-7.9	30.0
Chlorobenzene	Ave	1.096	0.9938	0.3000	18.3	20.0	-9.3	30.0
Ethylbenzene	Ave	2.279	1.995		18.7	20.0	-12.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3475	0.3102		18.7	20.0	-10.7	30.0
m-Xylene & p-Xylene	Ave	1.752	1.542		35.2	40.0	-12.0	30.0
o-Xylene	Ave	1.903	1.665		17.5	20.0	-12.5	30.0
Styrene	Ave	1.294	1.118		17.3	20.0	-13.6	30.0
Bromoform	Ave	0.3131	0.2872	0.1000	17.4	20.0	-8.3	20.0
Isopropylbenzene	Ave	2.255	1.984		17.6	20.0	-12.0	30.0
Bromobenzene	Ave	1.024	0.8478		16.6	20.0	-17.2	30.0
N-Propylbenzene	Ave	2.901	2.469		17.0	20.0	-14.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6847	0.5898	0.3000	17.1	20.0	-13.9	30.0
2-Chlorotoluene	Ave	1.927	1.612		16.8	20.0	-16.4	30.0
1,3,5-Trimethylbenzene	Ave	1.851	1.588		17.2	20.0	-14.2	30.0
1,2,3-Trichloropropane	Lin2		0.0588		18.9	20.0	-5.5	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.1004		18.9	20.0	-5.6	30.0
4-Chlorotoluene	Ave	1.683	1.413		16.7	20.0	-16.1	30.0
tert-Butylbenzene	Ave	1.471	1.301		17.7	20.0	-11.5	30.0
1,2,4-Trimethylbenzene	Ave	1.874	1.606		17.1	20.0	-14.3	30.0
sec-Butylbenzene	Ave	2.518	2.197		17.5	20.0	-12.7	30.0
4-Isopropyltoluene	Ave	1.894	1.664		17.5	20.0	-12.1	30.0
1,3-Dichlorobenzene	Ave	0.8416	0.7186		17.1	20.0	-14.6	30.0
1,4-Dichlorobenzene	Ave	1.788	1.561		17.5	20.0	-12.7	30.0
n-Butylbenzene	Ave	4.614	4.044		17.5	20.0	-12.4	30.0
1,2-Dichlorobenzene	Ave	1.492	1.326		17.8	20.0	-11.1	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0770	0.0688		17.9	20.0	-10.6	30.0
Hexachlorobutadiene	Ave	0.5170	0.4606		17.8	20.0	-10.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVIS 360-48767/2 Calibration Date: 09/09/2009 16:42

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44837.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.9752	0.8755		18.0	20.0	-10.2	30.0
Naphthalene	Ave	1.288	1.186		18.4	20.0	-7.9	30.0
1,2,3-Trichlorobenzene	Ave	0.7214	0.6741		18.7	20.0	-6.6	30.0
Dibromofluoromethane	Ave	0.2328	0.2302		19.8	20.0	-1.1	30.0
Toluene-d8 (Surr)	Ave	0.8882	0.9013		20.3	20.0	1.5	30.0
4-Bromofluorobenzene	Ave	0.5731	0.5256		18.3	20.0	-8.3	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44837.D
Lims ID: CCVIS Client ID:
Inject. Date: 09-Sep-2009 16:42:30 Dil. Factor: 1.0000
Sample Type: CCVIS, Cal Verification ISTD Check
Sample ID: CCVIS
Misc. Info.: 360-0001122-002
Operator: CR Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 48767 Lims Sample ID: 2
Sublist: chrom-WES1SOIL*sub5
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\WES1SOIL.m
Last Update: 10-Sep-2009 11:16:41 Calib Date: 08-Sep-2009 18:49:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE
Process Host: WESVOAJESS

Reviewed By: rouleauc Date: 10-Sep-2009 11:16:41

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.629	1.629	0.000	244841	18.8	M
2 Chloromethane	50	1.810	1.810	0.000	424000	18.6	
3 Vinyl chloride	62	1.908	1.908	0.000	289245	18.1	
4 Bromomethane	94	2.254	2.254	0.000	154305	19.2	
5 Chloroethane	64	2.394	2.394	0.000	163248	18.6	
6 Trichlorofluoromethane	101	2.533	2.533	0.000	255539	18.3	
7 Ethyl ether	59	2.854	2.854	0.000	120959	18.4	
8 1,1-Dichloroethene	96	3.045	3.045	0.000	150827	18.1	
9 Ethanol	45	3.050	3.050	0.000	42470	960.6	
10 Carbon disulfide	76	3.060	3.060	0.000	581490	15.5	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.117	3.117	0.000	88103	17.6	
12 Acrolein	56	3.386	3.386	0.000	863415	845.2	
13 Isopropyl alcohol	45	3.541	3.541	0.000	283759	1010.7	
14 Methylene Chloride	84	3.613	3.613	0.000	197539	21.0	
15 Acetone	43	3.665	3.665	0.000	286934	203.1	
16 trans-1,2-Dichloroethene	61	3.763	3.763	0.000	319192	16.8	
17 Methyl acetate	43	3.789	3.789	0.000	729593	185.7	
18 Hexane	57	3.841	3.841	0.000	421094	18.3	
19 Methyl tert-butyl ether	73	3.872	3.872	0.000	334300	17.7	
20 2-Methyl-2-propanol	59	3.970	3.970	0.000	72051	144.2	
21 Isopropyl ether	45	4.213	4.213	0.000	942523	17.5	
22 1,1-Dichloroethane	63	4.327	4.327	0.000	363331	18.1	
23 Acrylonitrile	53	4.383	4.383	0.000	34585	19.7	
24 Tert-butyl ethyl ether	59	4.538	4.538	0.000	581810	18.1	
25 Vinyl acetate	43	4.554	4.554	0.000	3012802	194.2	
26 cis-1,2-Dichloroethene	61	4.797	4.797	0.000	287997	17.3	
27 2,2-Dichloropropane	77	4.895	4.895	0.000	233129	18.2	
28 Cyclohexane	56	4.967	4.967	0.000	425058	17.8	
29 Chlorobromomethane	130	4.973	4.973	0.000	69094	18.5	
30 Chloroform	83	5.035	5.035	0.000	288591	18.3	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.143	5.143	0.000	1086213	205.1	
32 Carbon tetrachloride	117	5.148	5.148	0.000	172861	17.5	
33 Tetrahydrofuran	42	5.164	5.164	0.000	380385	201.5	
34 sec-Butyl Alcohol	45	5.179	5.179	0.000	518358	1008.8	
$ 35 Dibromofluoromethane	113	5.190	5.190	0.000	124314	19.8	
36 1,1,1-Trichloroethane	97	5.210	5.210	0.000	241379	17.1	
37 2-Butanone (MEK)	43	5.308	5.308	0.000	476839	195.2	
38 1,1-Dichloropropene	75	5.314	5.314	0.000	234520	17.4	
39 n-Heptane	43	5.489	5.489	0.000	452823	18.8	
40 Benzene	78	5.531	5.531	0.000	662775	18.2	
41 Tert-amyl methyl ether	73	5.624	5.624	0.000	387658	18.8	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.644	5.644	0.000	26071	20.0	
43 1,2-Dichloroethane	62	5.701	5.701	0.000	163181	18.6	
* 44 Fluorobenzene	96	5.872	5.872	0.000	540044	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.898	5.898	0.000	170984	18.4	
46 Isopropyl acetate	43	5.903	5.903	0.000	2244808	200.3	
47 Methylcyclohexane	83	5.996	5.996	0.000	309224	18.3	
48 Trichloroethene	95	6.006	6.006	0.000	151893	18.5	
49 2,4,4-Trimethyl-2-pentene	112	6.032	6.032	0.000	91136	18.0	
50 Dibromomethane	93	6.352	6.352	0.000	62007	19.2	
51 1,2-Dichloropropane	63	6.435	6.435	0.000	152570	20.1	
52 Dichlorobromomethane	83	6.476	6.476	0.000	172643	18.5	
53 Methyl methacrylate	69	6.600	6.600	0.000	45753	19.2	
54 1,4-Dioxane	88	6.642	6.642	0.000	4696	167.3	
55 n-Propyl acetate	43	6.709	6.709	0.000	1400219	208.7	
56 2-Chloroethyl vinyl ether	63	6.926	6.926	0.000	340367	328.8	
57 cis-1,3-Dichloropropene	75	6.973	6.973	0.000	208505	19.4	
$ 58 Toluene-d8 (Surr)	98	7.122	7.122	0.000	486730	20.3	
59 Toluene	92	7.164	7.164	0.000	354226	19.1	
60 Tetrachloroethene	164	7.453	7.453	0.000	99017	19.7	
61 4-Methyl-2-pentanone (MIBK)	43	7.453	7.453	0.000	1048749	190.1	
62 trans-1,3-Dichloropropene	75	7.479	7.479	0.000	153647	19.6	
63 Isobutyl acetate	43	7.541	7.541	0.000	3118737	197.2	
64 1,1,2-Trichloroethane	83	7.608	7.608	0.000	64443	19.1	
65 Chlorodibromomethane	129	7.743	7.743	0.000	78443	19.3	
66 1,3-Dichloropropane	76	7.820	7.820	0.000	145933	19.1	
67 Ethylene Dibromide	107	7.934	7.934	0.000	67041	19.7	
68 n-Butyl acetate	43	8.011	8.011	0.000	1713321	192.3	
69 2-Hexanone	43	8.094	8.094	0.000	643813	187.4	
* 70 Chlorobenzene-d5	117	8.316	8.316	0.000	336855	20.0	
71 Chlorobenzene	112	8.332	8.332	0.000	334773	18.3	
72 Ethylbenzene	91	8.347	8.347	0.000	672072	18.7	
73 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	104497	18.7	
74 m-Xylene & p-Xylene	91	8.456	8.456	0.000	1038871	35.2	
75 o-Xylene	91	8.792	8.792	0.000	560755	17.5	
76 Styrene	104	8.833	8.833	0.000	376460	17.3	
77 Bromoform	173	8.854	8.854	0.000	43882	17.4	
78 Isopropylbenzene	105	9.029	9.029	0.000	668465	17.6	
$ 80 4-Bromofluorobenzene	95	9.252	9.252	0.000	177059	18.3	
81 Bromobenzene	77	9.339	9.339	0.000	285594	16.6	
82 N-Propylbenzene	91	9.350	9.350	0.000	831775	17.0	
83 1,1,2,2-Tetrachloroethane	83	9.401	9.401	0.000	90137	17.1	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.479	9.479	0.000	542939	16.8	
85 1,3,5-Trimethylbenzene	105	9.500	9.500	0.000	534827	17.2	
86 1,2,3-Trichloropropane	110	9.520	9.520	0.000	19802	18.9	
87 trans-1,4-Dichloro-2-butene	53	9.546	9.546	0.000	33816	18.9	
88 4-Chlorotoluene	91	9.608	9.608	0.000	475858	16.7	
89 tert-Butylbenzene	119	9.753	9.753	0.000	438361	17.7	
90 1,2,4-Trimethylbenzene	105	9.805	9.805	0.000	541054	17.1	
91 sec-Butylbenzene	105	9.892	9.892	0.000	740003	17.5	
92 4-Isopropyltoluene	119	10.001	10.001	0.000	560672	17.5	
93 1,3-Dichlorobenzene	146	10.073	10.073	0.000	242064	17.1	
* 94 1,4-Dichlorobenzene-d4	152	10.130	10.130	0.000	152815	20.0	
95 1,4-Dichlorobenzene	146	10.140	10.140	0.000	238530	17.5	
96 n-Butylbenzene	91	10.347	10.347	0.000	617921	17.5	
97 1,2-Dichlorobenzene	146	10.497	10.497	0.000	202660	17.8	
98 1,2-Dibromo-3-Chloropropane	157	11.277	11.277	0.000	10517	17.9	
99 1,3,5-Trichlorobenzene	180	11.303	11.303	0.000	187856	19.0	
100 Hexachlorobutadiene	225	12.032	12.032	0.000	70383	17.8	
101 1,2,4-Trichlorobenzene	180	12.078	12.078	0.000	133794	18.0	
102 Naphthalene	128	12.544	12.544	0.000	181312	18.4	
103 1,2,3-Trichlorobenzene	180	12.823	12.823	0.000	103012	18.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 10-Sep-2009 11:16:41 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44837.D

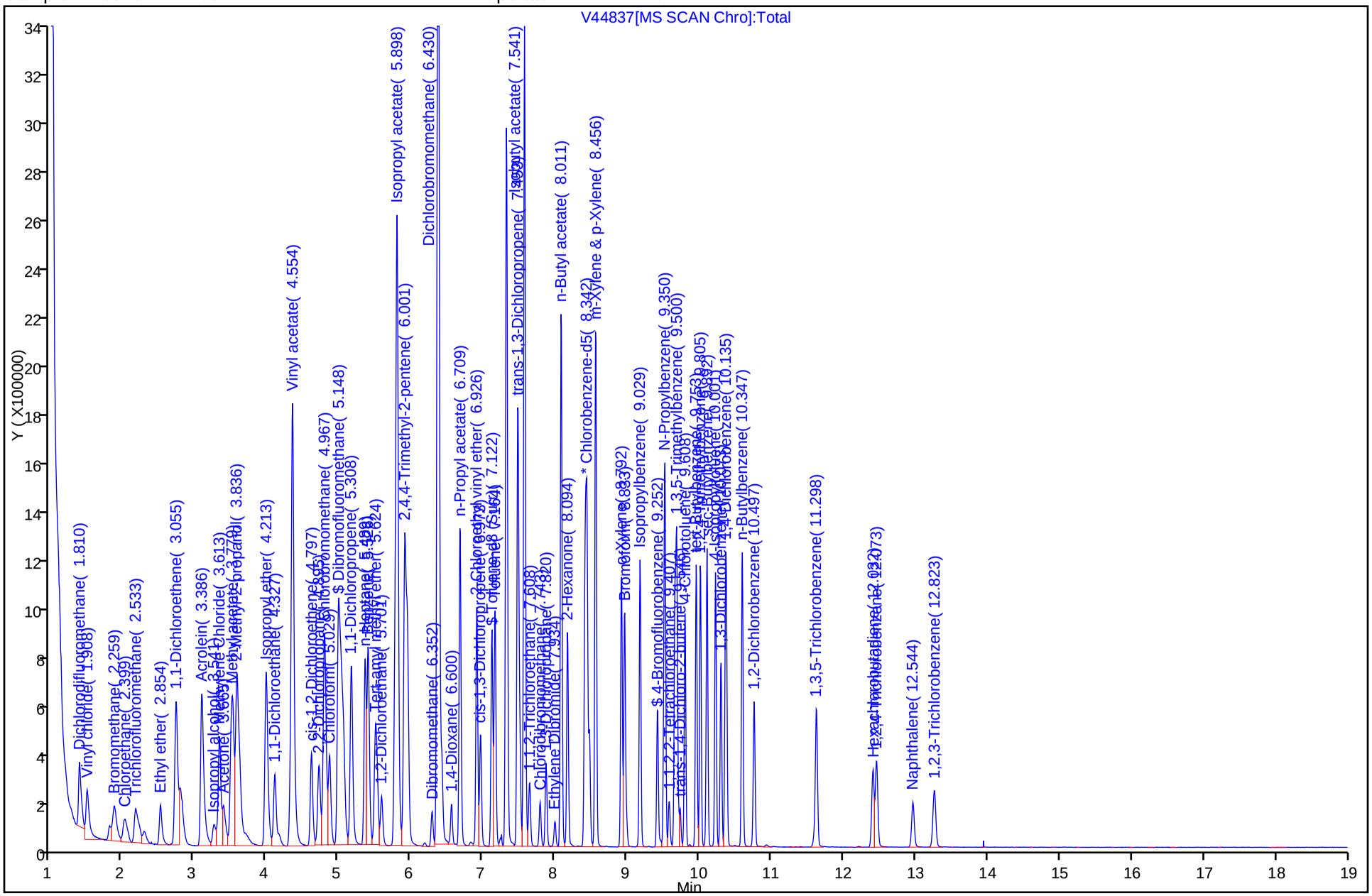
Inj Date: 09-Sep-2009 16:42:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48767 Lims Sample ID: 2

Client ID: Instrument: HP #1 GC/MS

Sample Info: CCVIS

Sample Amount: 1.00 Operator: CR



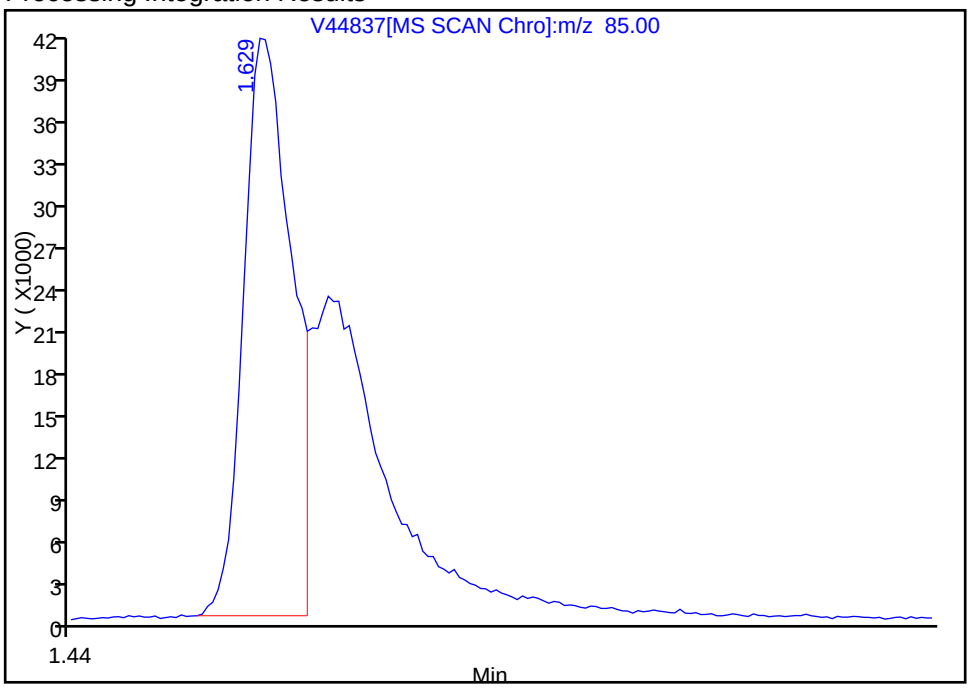
Chrom Revision: 1.0.2009.827
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44837.D		
Inj Date:	09-Sep-2009 16:42:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48767	Lims Sample ID:	2
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	CCVIS		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.63

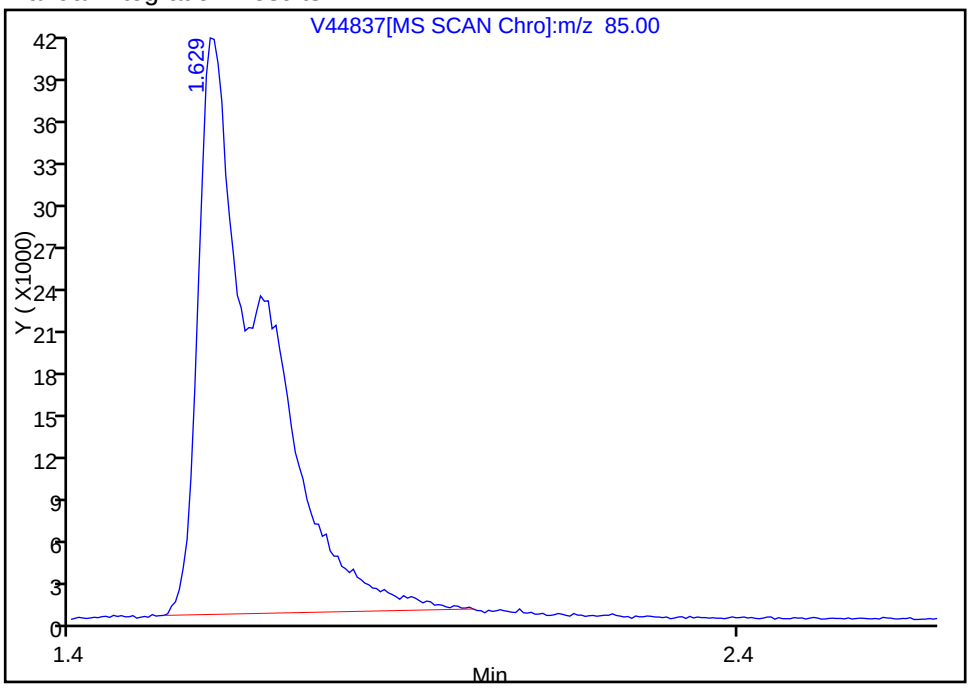
Processing Integration Results

RT: 1.63
Response: 135659
Amount: 10.409571



Manual Integration Results

RT: 1.63
Response: 244841
Amount: 18.787472



Reviewer: rouleauc, 10-Sep-2009 11:16:41
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVIS 360-48878/2 Calibration Date: 09/12/2009 12:31

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44921.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.3807		15.8	20.0	-21.1	30.0
Chloromethane	Ave	0.9034	0.7000	0.1000	16.5	20.0	-22.5	30.0
Vinyl chloride	Ave	0.6300	0.4878		16.4	20.0	-22.6*	20.0
Bromomethane	Ave	0.3127	0.2577		17.3	20.0	-17.6	30.0
Chloroethane	Lin2		0.2777		16.9	20.0	-15.4	30.0
Trichlorofluoromethane	Ave	0.5183	0.4067		15.7	20.0	-21.5	30.0
Ethyl ether	Ave	0.2603	0.2193		18.0	20.0	-15.7	30.0
1,1-Dichloroethene	Ave	0.3201	0.2699		17.5	20.0	-15.7	20.0
Carbon disulfide	Ave	1.395	1.145		16.4	20.0	-18.0	30.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.1858	0.1556		16.8	20.0	-16.2	30.0
Acrolein	Ave	0.7836	0.6865		876	1000	-12.4	30.0
Methylene Chloride	Lin1		0.3167		18.0	20.0	-9.9	30.0
Acetone	Lin2		0.0593		227	200	13.5	30.0
trans-1,2-Dichloroethene	Ave	0.7060	0.5751		16.3	20.0	-18.5	30.0
Methyl acetate	Lin1		0.1613		222	200	10.8	30.0
Methyl tert-butyl ether	Ave	0.6992	0.6100		17.4	20.0	-12.8	30.0
2-Methyl-2-propanol	Ave	0.3834	0.2993		156	200	-21.9	30.0
Isopropyl ether	Ave	1.997	1.736		17.5	20.0	-13.1	30.0
1,1-Dichloroethane	Ave	0.7919	0.6546	0.1000	17.6	20.0	-17.3	30.0
Acrylonitrile	Lin1		0.0634		19.5	20.0	-2.6	30.0
Tert-butyl ethyl ether	Ave	1.194	1.057		17.7	20.0	-11.4	30.0
Vinyl acetate	Ave	0.5745	0.5212		181	200	-9.3	30.0
cis-1,2-Dichloroethene	Ave	0.6148	0.5153		16.8	20.0	-16.2	30.0
2,2-Dichloropropane	Ave	0.5371	0.4491		19.1	20.0	-16.4	30.0
Cyclohexane	Ave	0.8898	0.7159		16.2	20.0	-19.5	30.0
Chlorobromomethane	Ave	0.1386	0.1200		17.3	20.0	-13.4	30.0
Chloroform	Ave	0.6243	0.5025		17.2	20.0	-19.5	20.0
Carbon tetrachloride	Ave	0.3645	0.3163		17.3	20.0	-13.2	30.0
Tetrahydrofuran	Ave	0.0762	0.0687		197	200	-9.8	30.0
1,1,1-Trichloroethane	Ave	0.5171	0.4317		16.5	20.0	-16.5	30.0
2-Butanone (MEK)	Ave	0.0960	0.0919		203	200	-4.3	30.0
1,1-Dichloropropene	Ave	0.4990	0.4149		16.6	20.0	-16.8	30.0
Benzene	Ave	1.352	1.159		17.2	20.0	-14.2	30.0
Tert-amyl methyl ether	Ave	0.7621	0.6945		18.2	20.0	-8.9	30.0
1,2-Dichloroethane	Ave	0.3253	0.2832		17.4	20.0	-13.0	30.0
2,4,4-Trimethyl-1-pentene	Ave	0.3806	0.3159		18.4	20.0	-17.0	30.0
Methylcyclohexane	Ave	0.6300	0.5238		16.7	20.0	-16.9	30.0
Trichloroethene	Ave	0.3155	0.2655		17.5	20.0	-15.8	30.0
2,4,4-Trimethyl-2-pentene	Ave	0.1872	0.1641		17.5	20.0	-12.3	30.0
Dibromomethane	Ave	0.1188	0.1047		17.5	20.0	-11.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVIS 360-48878/2 Calibration Date: 09/12/2009 12:31

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44921.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.3182	0.2688		19.1	20.0	-15.5	20.0
Dichlorobromomethane	Ave	0.3427	0.2893		16.8	20.0	-15.6	30.0
Methyl methacrylate	Ave	0.0864	0.0766		17.4	20.0	-11.3	30.0
1,4-Dioxane	Qua		0.0193		179	200	-10.5	30.0
2-Chloroethyl vinyl ether	Lin		0.0582		305	200	52.4*	30.0
cis-1,3-Dichloropropene	Ave	0.3975	0.3425		17.2	20.0	-13.8	30.0
Toluene	Ave	0.7062	0.6062		17.7	20.0	-14.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2048	0.1893		185	200	-7.6	30.0
Tetrachloroethene	Ave	0.1859	0.1648		17.7	20.0	-11.3	30.0
trans-1,3-Dichloropropene	Ave	0.2914	0.2551		17.5	20.0	-12.4	30.0
1,1,2-Trichloroethane	Lin1		0.1117		17.9	20.0	-10.4	30.0
Chlorodibromomethane	Ave	0.1504	0.1330		17.7	20.0	-11.6	30.0
1,3-Dichloropropane	Ave	0.2828	0.2486		17.6	20.0	-12.1	30.0
Ethylene Dibromide	Ave	0.1260	0.1121		17.8	20.0	-11.0	30.0
2-Hexanone	Ave	0.1294	0.1199		188	200	-7.3	30.0
Chlorobenzene	Ave	1.096	0.9706	0.3000	17.8	20.0	-11.4	30.0
Ethylbenzene	Ave	2.279	1.964		18.4	20.0	-13.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3475	0.3074		18.5	20.0	-11.5	30.0
m-Xylene & p-Xylene	Ave	1.752	1.527		34.9	40.0	-12.9	30.0
o-Xylene	Ave	1.903	1.666		17.6	20.0	-12.5	30.0
Styrene	Ave	1.294	1.155		17.9	20.0	-10.8	30.0
Bromoform	Ave	0.3131	0.2788	0.1000	16.9	20.0	-11.0	20.0
Isopropylbenzene	Ave	2.255	2.019		17.9	20.0	-10.5	30.0
Bromobenzene	Ave	1.024	0.8796		17.3	20.0	-14.1	30.0
N-Propylbenzene	Ave	2.901	2.544		17.5	20.0	-12.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6847	0.5992	0.3000	17.4	20.0	-12.5	30.0
2-Chlorotoluene	Ave	1.927	1.665		17.4	20.0	-13.6	30.0
1,3,5-Trimethylbenzene	Ave	1.851	1.671		18.1	20.0	-9.7	30.0
1,2,3-Trichloropropane	Lin2		0.0610		19.6	20.0	-1.9	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.0982		18.5	20.0	-7.7	30.0
4-Chlorotoluene	Ave	1.683	1.457		17.2	20.0	-13.4	30.0
tert-Butylbenzene	Ave	1.471	1.348		18.3	20.0	-8.4	30.0
1,2,4-Trimethylbenzene	Ave	1.874	1.660		17.6	20.0	-11.4	30.0
sec-Butylbenzene	Ave	2.518	2.276		18.1	20.0	-9.6	30.0
4-Isopropyltoluene	Ave	1.894	1.716		18.1	20.0	-9.4	30.0
1,3-Dichlorobenzene	Ave	0.8416	0.7388		17.5	20.0	-12.2	30.0
1,4-Dichlorobenzene	Ave	1.788	1.553		17.4	20.0	-13.2	30.0
n-Butylbenzene	Ave	4.614	4.077		17.7	20.0	-11.6	30.0
1,2-Dichlorobenzene	Ave	1.492	1.313		17.6	20.0	-12.0	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0770	0.0673		17.5	20.0	-12.6	30.0
Hexachlorobutadiene	Ave	0.5170	0.4388		17.0	20.0	-15.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVIS 360-48878/2 Calibration Date: 09/12/2009 12:31

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V44921.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.9752	0.8609		17.7	20.0	-11.7	30.0
Naphthalene	Ave	1.288	1.128		17.5	20.0	-12.4	30.0
1,2,3-Trichlorobenzene	Ave	0.7214	0.6515		18.1	20.0	-9.7	30.0
Dibromofluoromethane	Ave	0.2328	0.2313		19.9	20.0	-0.7	30.0
Toluene-d8 (Surr)	Ave	0.8882	0.8911		20.1	20.0	0.3	30.0
4-Bromofluorobenzene	Ave	0.5731	0.5556		19.4	20.0	-3.1	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44921.D		
Lims ID:	CCVIS	Client ID:	
Inject. Date:	12-Sep-2009 12:31:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCVIS		
Misc. Info.:	360-0001152-002		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	48878	Lims Sample ID:	2
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 08:49:23	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	14-Sep-2009 08:49:23

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.640	1.640	0.000	181819	15.8	M
2 Chloromethane	50	1.821	1.821	0.000	334309	16.5	
3 Vinyl chloride	62	1.919	1.919	0.000	232970	16.4	
4 Bromomethane	94	2.276	2.276	0.000	123081	17.3	
5 Chloroethane	64	2.405	2.405	0.000	132630	16.9	
6 Trichlorofluoromethane	101	2.549	2.549	0.000	194247	15.7	
7 Ethyl ether	59	2.875	2.875	0.000	104754	18.0	
8 1,1-Dichloroethene	96	3.066	3.066	0.000	128901	17.5	
10 Carbon disulfide	76	3.082	3.082	0.000	546599	16.4	
9 Ethanol	45	3.092	3.092	0.000	40819	1046.5	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.133	3.133	0.000	74332	16.8	
12 Acrolein	56	3.407	3.407	0.000	764754	876.1	
13 Isopropyl alcohol	45	3.562	3.562	0.000	255215	1028.1	
14 Methylene Chloride	84	3.635	3.635	0.000	151270	18.0	
15 Acetone	43	3.692	3.692	0.000	283023	227.1	
16 trans-1,2-Dichloroethene	61	3.785	3.785	0.000	274673	16.3	
17 Methyl acetate	43	3.810	3.810	0.000	770314	221.7	M
18 Hexane	57	3.857	3.857	0.000	344241	16.9	
19 Methyl tert-butyl ether	73	3.893	3.893	0.000	291324	17.4	
20 2-Methyl-2-propanol	59	3.976	3.976	0.000	66685	156.1	
21 Isopropyl ether	45	4.234	4.234	0.000	829285	17.5	
22 1,1-Dichloroethane	63	4.348	4.348	0.000	312620	17.6	
23 Acrylonitrile	53	4.405	4.405	0.000	30259	19.5	
24 Tert-butyl ethyl ether	59	4.560	4.560	0.000	504865	17.7	
25 Vinyl acetate	43	4.575	4.575	0.000	2488984	181.4	
26 cis-1,2-Dichloroethene	61	4.818	4.818	0.000	246119	16.8	
27 2,2-Dichloropropane	77	4.916	4.916	0.000	214482	19.1	
28 Cyclohexane	56	4.983	4.983	0.000	341905	16.2	
29 Chlorobromomethane	130	4.989	4.989	0.000	57322	17.3	
30 Chloroform	83	5.056	5.056	0.000	240008	17.2	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.164	5.164	0.000	910215	194.4	
32 Carbon tetrachloride	117	5.170	5.170	0.000	151040	17.3	
33 Tetrahydrofuran	42	5.190	5.190	0.000	328071	196.5	
34 sec-Butyl Alcohol	45	5.195	5.195	0.000	439381	966.9	
$ 35 Dibromofluoromethane	113	5.211	5.211	0.000	110450	19.9	
36 1,1,1-Trichloroethane	97	5.232	5.232	0.000	206172	16.5	
37 2-Butanone (MEK)	43	5.325	5.325	0.000	438951	203.3	
38 1,1-Dichloropropene	75	5.335	5.335	0.000	198142	16.6	
39 n-Heptane	43	5.511	5.511	0.000	342766	16.1	
40 Benzene	78	5.547	5.547	0.000	553743	17.2	
41 Tert-amyl methyl ether	73	5.640	5.640	0.000	331690	18.2	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.666	5.666	0.000	22279	20.0	
43 1,2-Dichloroethane	62	5.722	5.722	0.000	135229	17.4	
* 44 Fluorobenzene	96	5.893	5.893	0.000	477588	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.914	5.914	0.000	150888	18.4	
46 Isopropyl acetate	43	5.919	5.919	0.000	1920717	193.8	
47 Methylcyclohexane	83	6.017	6.017	0.000	250135	16.7	
48 Trichloroethene	95	6.022	6.022	0.000	126806	17.5	
49 2,4,4-Trimethyl-2-pentene	112	6.048	6.048	0.000	78376	17.5	
50 Dibromomethane	93	6.368	6.368	0.000	49984	17.5	
51 1,2-Dichloropropane	63	6.451	6.451	0.000	128362	19.1	
52 Dichlorobromomethane	83	6.493	6.493	0.000	138165	16.8	
53 Methyl methacrylate	69	6.617	6.617	0.000	36602	17.4	
54 1,4-Dioxane	88	6.653	6.653	0.000	4292	179.0	
55 n-Propyl acetate	43	6.725	6.725	0.000	1134285	191.2	
56 2-Chloroethyl vinyl ether	63	6.942	6.942	0.000	277856	304.8	
57 cis-1,3-Dichloropropene	75	6.994	6.994	0.000	163549	17.2	
$ 58 Toluene-d8 (Surr)	98	7.138	7.138	0.000	425556	20.1	
59 Toluene	92	7.175	7.175	0.000	289533	17.7	
60 Tetrachloroethene	164	7.469	7.469	0.000	78709	17.7	
61 4-Methyl-2-pentanone (MIBK)	43	7.469	7.469	0.000	904056	185.3	
62 trans-1,3-Dichloropropene	75	7.495	7.495	0.000	121840	17.5	
63 Isobutyl acetate	43	7.557	7.557	0.000	2677338	191.4	
64 1,1,2-Trichloroethane	83	7.619	7.619	0.000	53360	17.9	
65 Chlorodibromomethane	129	7.759	7.759	0.000	63496	17.7	
66 1,3-Dichloropropane	76	7.831	7.831	0.000	118710	17.6	
67 Ethylene Dibromide	107	7.945	7.945	0.000	53557	17.8	
68 n-Butyl acetate	43	8.027	8.027	0.000	1445463	183.4	
69 2-Hexanone	43	8.105	8.105	0.000	572793	188.5	
* 70 Chlorobenzene-d5	117	8.332	8.332	0.000	286880	20.0	
71 Chlorobenzene	112	8.343	8.343	0.000	278451	17.8	
72 Ethylbenzene	91	8.358	8.358	0.000	563446	18.4	
73 1,1,1,2-Tetrachloroethane	131	8.389	8.389	0.000	88185	18.5	
74 m-Xylene & p-Xylene	91	8.467	8.467	0.000	876207	34.9	
75 o-Xylene	91	8.803	8.803	0.000	477956	17.6	
76 Styrene	104	8.839	8.839	0.000	331209	17.9	
77 Bromoform	173	8.865	8.865	0.000	37341	16.9	
78 Isopropylbenzene	105	9.040	9.040	0.000	579082	17.9	
$ 80 4-Bromofluorobenzene	95	9.262	9.262	0.000	159383	19.4	
81 Bromobenzene	77	9.350	9.350	0.000	252346	17.3	
82 N-Propylbenzene	91	9.361	9.361	0.000	729884	17.5	
83 1,1,2,2-Tetrachloroethane	83	9.412	9.412	0.000	80253	17.4	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.485	9.485	0.000	477624	17.4	
85 1,3,5-Trimethylbenzene	105	9.511	9.511	0.000	479381	18.1	
86 1,2,3-Trichloropropane	110	9.526	9.526	0.000	17494	19.6	
87 trans-1,4-Dichloro-2-butene	53	9.557	9.557	0.000	28181	18.5	
88 4-Chlorotoluene	91	9.614	9.614	0.000	418037	17.2	
89 tert-Butylbenzene	119	9.759	9.759	0.000	386679	18.3	
90 1,2,4-Trimethylbenzene	105	9.815	9.815	0.000	476168	17.6	
91 sec-Butylbenzene	105	9.898	9.898	0.000	653059	18.1	
92 4-Isopropyltoluene	119	10.007	10.007	0.000	492425	18.1	
93 1,3-Dichlorobenzene	146	10.079	10.079	0.000	211947	17.5	
* 94 1,4-Dichlorobenzene-d4	152	10.136	10.136	0.000	133935	20.0	
95 1,4-Dichlorobenzene	146	10.146	10.146	0.000	207959	17.4	
96 n-Butylbenzene	91	10.353	10.353	0.000	546006	17.7	
97 1,2-Dichlorobenzene	146	10.508	10.508	0.000	175819	17.6	
98 1,2-Dibromo-3-Chloropropane	157	11.278	11.278	0.000	9011	17.5	
99 1,3,5-Trichlorobenzene	180	11.309	11.309	0.000	160433	18.5	
100 Hexachlorobutadiene	225	12.032	12.032	0.000	58770	17.0	
101 1,2,4-Trichlorobenzene	180	12.084	12.084	0.000	115305	17.7	
102 Naphthalene	128	12.549	12.549	0.000	151042	17.5	
103 1,2,3-Trichlorobenzene	180	12.823	12.823	0.000	87257	18.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Sep-2009 08:49:24 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44921.D

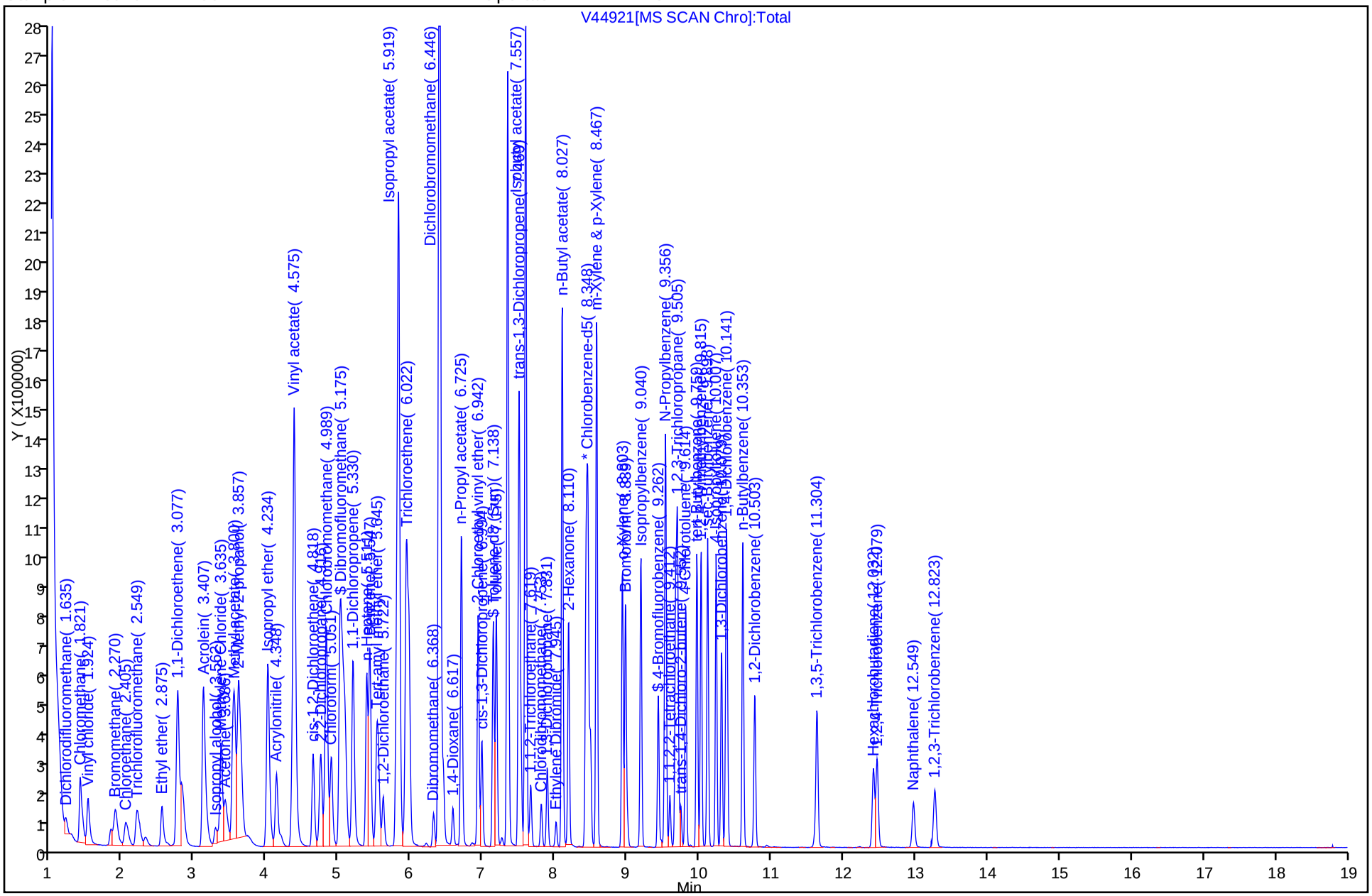
Inj Date: 12-Sep-2009 12:31:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48878 Lims Sample ID: 2

Client ID: Instrument: HP #1 GC/MS

Sample Info: CCVIS

Sample Amount: 1.00 Operator: CR



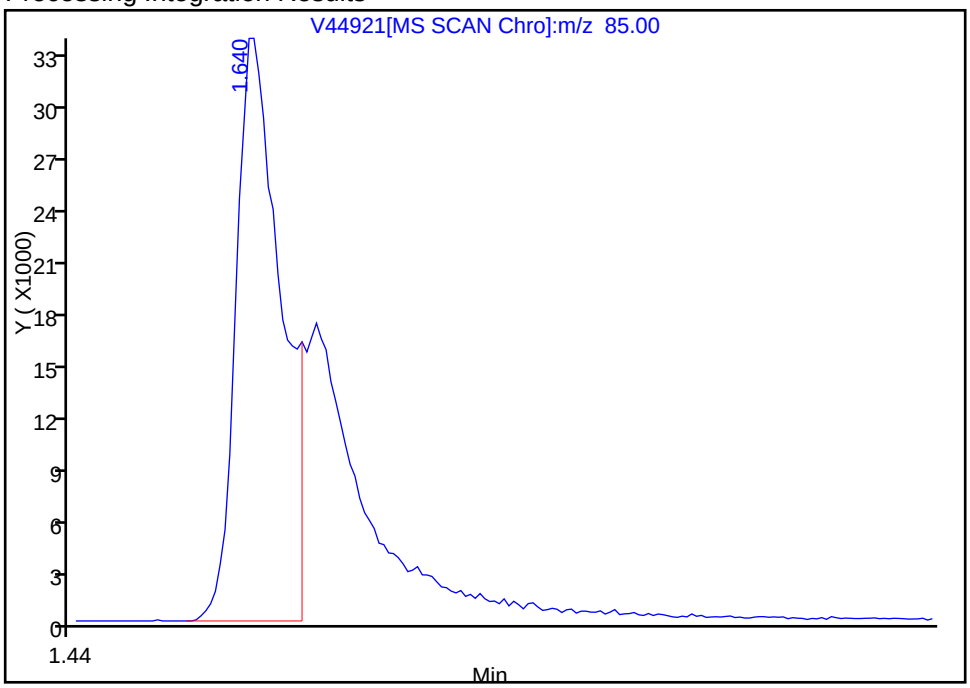
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44921.D		
Inj Date:	12-Sep-2009 12:31:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	2
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	CCVIS		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

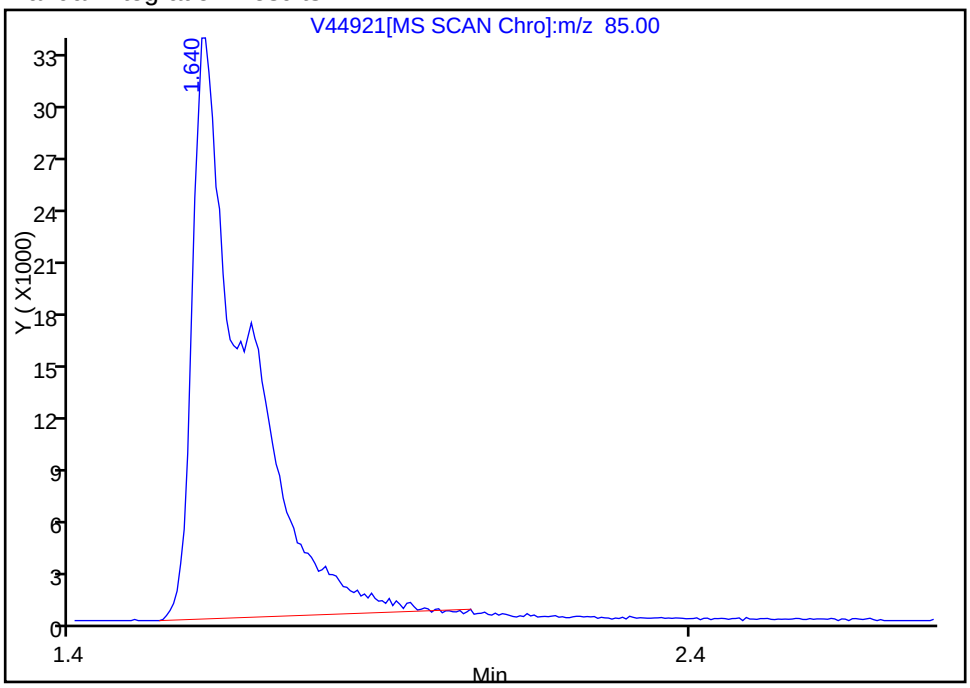
Processing Integration Results

RT: 1.64
Response: 113875
Amount: 9.880714



Manual Integration Results

RT: 1.64
Response: 181819
Amount: 15.776084



Reviewer: rouleauc, 14-Sep-2009 08:49:23
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVIS 360-48976/2 Calibration Date: 09/15/2009 15:08

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V45013.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.5023		20.8	20.0	4.1	30.0
Chloromethane	Ave	0.9034	0.8329	0.1000	19.8	20.0	-7.8	30.0
Vinyl chloride	Ave	0.6300	0.6026		20.5	20.0	-4.4	20.0
Bromomethane	Ave	0.3127	0.3014		20.2	20.0	-3.6	30.0
Chloroethane	Lin2		0.3235		20.0	20.0	0.0	30.0
Trichlorofluoromethane	Ave	0.5183	0.5266		20.3	20.0	1.6	30.0
Ethyl ether	Ave	0.2603	0.2376		19.5	20.0	-8.7	30.0
1,1-Dichloroethene	Ave	0.3201	0.3067		20.0	20.0	-4.2	20.0
Carbon disulfide	Ave	1.395	1.261		18.1	20.0	-9.6	30.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.1858	0.1768		19.0	20.0	-4.9	30.0
Acrolein	Ave	0.7836	0.8010		1020	1000	2.2	30.0
Methylene Chloride	Lin1		0.3428		19.6	20.0	-2.0	30.0
Acetone	Lin2		0.0569		218	200	9.0	30.0
trans-1,2-Dichloroethene	Ave	0.7060	0.6310		17.9	20.0	-10.6	30.0
Methyl acetate	Lin1		0.1377		189	200	-5.4	30.0
Methyl tert-butyl ether	Ave	0.6992	0.6075		17.4	20.0	-13.1	30.0
2-Methyl-2-propanol	Ave	0.3834	0.3262		170	200	-14.9	30.0
Isopropyl ether	Ave	1.997	1.788		18.0	20.0	-10.5	30.0
1,1-Dichloroethane	Ave	0.7919	0.7117	0.1000	19.2	20.0	-10.1	30.0
Acrylonitrile	Lin1		0.0629		19.3	20.0	-3.3	30.0
Tert-butyl ethyl ether	Ave	1.194	1.061		17.8	20.0	-11.1	30.0
Vinyl acetate	Ave	0.5745	0.5937		207	200	3.4	30.0
cis-1,2-Dichloroethene	Ave	0.6148	0.5700		18.5	20.0	-7.3	30.0
2,2-Dichloropropane	Ave	0.5371	0.4630		19.7	20.0	-13.8	30.0
Cyclohexane	Ave	0.8898	0.7690		17.4	20.0	-13.6	30.0
Chlorobromomethane	Ave	0.1386	0.1293		18.7	20.0	-6.7	30.0
Chloroform	Ave	0.6243	0.5516		18.9	20.0	-11.6	20.0
Carbon tetrachloride	Ave	0.3645	0.3595		19.7	20.0	-1.4	30.0
Tetrahydrofuran	Ave	0.0762	0.0722		207	200	-5.2	30.0
1,1,1-Trichloroethane	Ave	0.5171	0.4726		18.1	20.0	-8.6	30.0
2-Butanone (MEK)	Ave	0.0960	0.1040		230	200	8.3	30.0
1,1-Dichloropropene	Ave	0.4990	0.4925		19.7	20.0	-1.3	30.0
Benzene	Ave	1.352	1.353		20.0	20.0	0.1	30.0
Tert-amyl methyl ether	Ave	0.7621	0.7063		18.5	20.0	-7.3	30.0
1,2-Dichloroethane	Ave	0.3253	0.3139		19.3	20.0	-3.5	30.0
2,4,4-Trimethyl-1-pentene	Ave	0.3806	0.3479		20.4	20.0	-8.6	30.0
Methylcyclohexane	Ave	0.6300	0.5711		18.2	20.0	-9.4	30.0
Trichloroethene	Ave	0.3155	0.3209		21.2	20.0	1.7	30.0
2,4,4-Trimethyl-2-pentene	Ave	0.1872	0.1829		19.5	20.0	-2.3	30.0
Dibromomethane	Ave	0.1188	0.1202		20.1	20.0	1.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVIS 360-48976/2 Calibration Date: 09/15/2009 15:08

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V45013.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.3182	0.3137		22.3	20.0	-1.4	20.0
Dichlorobromomethane	Ave	0.3427	0.3475		20.1	20.0	1.4	30.0
Methyl methacrylate	Ave	0.0864	0.0939		21.3	20.0	8.7	30.0
1,4-Dioxane	Qua		0.0226		211	200	5.3	30.0
2-Chloroethyl vinyl ether	Lin		0.0862		443	200	122.0*	30.0
cis-1,3-Dichloropropene	Ave	0.3975	0.4246		21.4	20.0	6.8	30.0
Toluene	Ave	0.7062	0.7447		21.7	20.0	5.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2048	0.2217		217	200	8.2	30.0
Tetrachloroethene	Ave	0.1859	0.2126		22.8	20.0	14.4	30.0
trans-1,3-Dichloropropene	Ave	0.2914	0.3105		21.4	20.0	6.6	30.0
1,1,2-Trichloroethane	Lin1		0.1301		20.8	20.0	4.0	30.0
Chlorodibromomethane	Ave	0.1504	0.1539		20.5	20.0	2.3	30.0
1,3-Dichloropropane	Ave	0.2828	0.2967		21.0	20.0	4.9	30.0
Ethylene Dibromide	Ave	0.1260	0.1326		21.0	20.0	5.3	30.0
2-Hexanone	Ave	0.1294	0.1446		227	200	11.7	30.0
Chlorobenzene	Ave	1.096	1.101	0.3000	20.2	20.0	0.5	30.0
Ethylbenzene	Ave	2.279	2.211		20.8	20.0	-3.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3475	0.3229		19.5	20.0	-7.1	30.0
m-Xylene & p-Xylene	Ave	1.752	1.708		39.0	40.0	-2.5	30.0
o-Xylene	Ave	1.903	1.768		18.6	20.0	-7.1	30.0
Styrene	Ave	1.294	1.240		19.2	20.0	-4.2	30.0
Bromoform	Ave	0.3131	0.3220	0.1000	19.4	20.0	2.8	20.0
Isopropylbenzene	Ave	2.255	2.162		19.2	20.0	-4.1	30.0
Bromobenzene	Ave	1.024	0.8898		17.5	20.0	-13.1	30.0
N-Propylbenzene	Ave	2.901	2.717		18.7	20.0	-6.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6847	0.6547	0.3000	19.0	20.0	-4.4	30.0
2-Chlorotoluene	Ave	1.927	1.724		18.0	20.0	-10.6	30.0
1,3,5-Trimethylbenzene	Ave	1.851	1.704		18.4	20.0	-8.0	30.0
1,2,3-Trichloropropane	Lin2		0.0592		19.0	20.0	-4.9	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.0920		17.3	20.0	-13.6	30.0
4-Chlorotoluene	Ave	1.683	1.517		18.0	20.0	-9.9	30.0
tert-Butylbenzene	Ave	1.471	1.410		19.2	20.0	-4.1	30.0
1,2,4-Trimethylbenzene	Ave	1.874	1.689		18.0	20.0	-9.9	30.0
sec-Butylbenzene	Ave	2.518	2.399		19.1	20.0	-4.7	30.0
4-Isopropyltoluene	Ave	1.894	1.786		18.8	20.0	-5.7	30.0
1,3-Dichlorobenzene	Ave	0.8416	0.7454		17.7	20.0	-11.4	30.0
1,4-Dichlorobenzene	Ave	1.788	1.753		19.7	20.0	-2.0	30.0
n-Butylbenzene	Ave	4.614	4.767		20.7	20.0	3.3	30.0
1,2-Dichlorobenzene	Ave	1.492	1.475		19.8	20.0	-1.1	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0770	0.0742		19.3	20.0	-3.6	30.0
Hexachlorobutadiene	Ave	0.5170	0.5568		21.5	20.0	7.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVIS 360-48976/2 Calibration Date: 09/15/2009 15:08

Instrument ID: HP #1 GC/MS Calib Start Date: 09/08/2009 16:02

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 09/08/2009 18:49

Lab File ID: V45013.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.9752	0.9917		20.3	20.0	1.7	30.0
Naphthalene	Ave	1.288	1.214		18.8	20.0	-5.8	30.0
1,2,3-Trichlorobenzene	Ave	0.7214	0.7430		20.6	20.0	3.0	30.0
Dibromofluoromethane	Ave	0.2328	0.2214		19.0	20.0	-4.9	30.0
Toluene-d8 (Surr)	Ave	0.8882	0.9281		20.9	20.0	4.5	30.0
4-Bromofluorobenzene	Ave	0.5731	0.5139		17.9	20.0	-10.3	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45013.D		
Lims ID:	CCVIS	Client ID:	
Inject. Date:	15-Sep-2009 15:08:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCVIS		
Misc. Info.:	360-0001175-002		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	48976	Lims Sample ID:	2
Sublist:	chrom-WES1SOIL*sub5		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\WES1SOIL.m		
Last Update:	16-Sep-2009 08:23:49	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	16-Sep-2009 08:23:49

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.645	1.645	0.000	271180	20.8	M
2 Chloromethane	50	1.831	1.831	0.000	449706	19.8	
3 Vinyl chloride	62	1.934	1.934	0.000	325340	20.5	
4 Bromomethane	94	2.291	2.291	0.000	162748	20.2	
5 Chloroethane	64	2.430	2.430	0.000	174636	20.0	
6 Trichlorofluoromethane	101	2.559	2.559	0.000	284328	20.3	
7 Ethyl ether	59	2.880	2.880	0.000	128296	19.5	
8 1,1-Dichloroethene	96	3.071	3.071	0.000	165578	20.0	
10 Carbon disulfide	76	3.086	3.086	0.000	680815	18.1	
9 Ethanol	45	3.086	3.086	0.000	48868	1110.0	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.148	3.148	0.000	95428	19.0	
12 Acrolein	56	3.412	3.412	0.000	930894	1022.1	
13 Isopropyl alcohol	45	3.572	3.572	0.000	275365	980.6	
14 Methylene Chloride	84	3.645	3.645	0.000	185065	19.6	
15 Acetone	43	3.696	3.696	0.000	307320	217.9	
16 trans-1,2-Dichloroethene	61	3.789	3.789	0.000	340657	17.9	
17 Methyl acetate	43	3.815	3.815	0.000	743309	189.2	
18 Hexane	57	3.867	3.867	0.000	437575	19.0	
19 Methyl tert-butyl ether	73	3.898	3.898	0.000	328002	17.4	
20 2-Methyl-2-propanol	59	3.991	3.991	0.000	75827	170.2	
21 Isopropyl ether	45	4.244	4.244	0.000	965318	18.0	
22 1,1-Dichloroethane	63	4.353	4.353	0.000	384247	19.2	
23 Acrylonitrile	53	4.415	4.415	0.000	33970	19.3	
24 Tert-butyl ethyl ether	59	4.564	4.564	0.000	573041	17.8	
25 Vinyl acetate	43	4.585	4.585	0.000	3205541	206.7	
26 cis-1,2-Dichloroethene	61	4.823	4.823	0.000	307746	18.5	
27 2,2-Dichloropropane	77	4.921	4.921	0.000	249987	19.7	
28 Cyclohexane	56	4.993	4.993	0.000	415171	17.4	
29 Chlorobromomethane	130	4.998	4.998	0.000	69809	18.7	
30 Chloroform	83	5.061	5.061	0.000	297824	18.9	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.169	5.169	0.000	1086065	205.2	
32 Carbon tetrachloride	117	5.174	5.174	0.000	194109	19.7	
33 Tetrahydrofuran	42	5.195	5.195	0.000	389684	206.6	
34 sec-Butyl Alcohol	45	5.205	5.205	0.000	481075	936.5	
$ 35 Dibromofluoromethane	113	5.216	5.216	0.000	119515	19.0	
36 1,1,1-Trichloroethane	97	5.236	5.236	0.000	255170	18.1	
37 2-Butanone (MEK)	43	5.334	5.334	0.000	561283	230.1	
38 1,1-Dichloropropene	75	5.340	5.340	0.000	265925	19.7	
39 n-Heptane	43	5.515	5.515	0.000	478168	19.9	
40 Benzene	78	5.557	5.557	0.000	730280	20.0	
41 Tert-amyl methyl ether	73	5.650	5.650	0.000	381319	18.5	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.670	5.670	0.000	23244	20.0	
43 1,2-Dichloroethane	62	5.727	5.727	0.000	169469	19.3	
* 44 Fluorobenzene	96	5.898	5.898	0.000	539901	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.924	5.924	0.000	187814	20.4	
46 Isopropyl acetate	43	5.924	5.924	0.000	2151810	192.0	
47 Methylcyclohexane	83	6.022	6.022	0.000	308341	18.2	
48 Trichloroethene	95	6.032	6.032	0.000	173225	21.2	
49 2,4,4-Trimethyl-2-pentene	112	6.058	6.058	0.000	98771	19.5	
50 Dibromomethane	93	6.373	6.373	0.000	64917	20.1	
51 1,2-Dichloropropane	63	6.456	6.456	0.000	169356	22.3	
52 Dichlorobromomethane	83	6.497	6.497	0.000	187615	20.1	
53 Methyl methacrylate	69	6.621	6.621	0.000	50702	21.3	
54 1,4-Dioxane	88	6.668	6.668	0.000	5255	210.7	
55 n-Propyl acetate	43	6.730	6.730	0.000	1435355	214.0	
56 2-Chloroethyl vinyl ether	63	6.947	6.947	0.000	465197	443.0	
57 cis-1,3-Dichloropropene	75	6.998	6.998	0.000	229256	21.4	
$ 58 Toluene-d8 (Surr)	98	7.143	7.143	0.000	501066	20.9	
59 Toluene	92	7.185	7.185	0.000	402048	21.7	
60 Tetrachloroethene	164	7.474	7.474	0.000	114790	22.8	
61 4-Methyl-2-pentanone (MIBK)	43	7.474	7.474	0.000	1197093	217.0	
62 trans-1,3-Dichloropropene	75	7.500	7.500	0.000	167627	21.4	
63 Isobutyl acetate	43	7.562	7.562	0.000	2969561	187.8	
64 1,1,2-Trichloroethane	83	7.624	7.624	0.000	70242	20.8	
65 Chlorodibromomethane	129	7.763	7.763	0.000	83063	20.5	
66 1,3-Dichloropropane	76	7.836	7.836	0.000	160187	21.0	
67 Ethylene Dibromide	107	7.949	7.949	0.000	71609	21.0	
68 n-Butyl acetate	43	8.032	8.032	0.000	1697175	190.5	
69 2-Hexanone	43	8.110	8.110	0.000	780408	227.3	
* 70 Chlorobenzene-d5	117	8.337	8.337	0.000	340363	20.0	
71 Chlorobenzene	112	8.347	8.347	0.000	374675	20.2	
72 Ethylbenzene	91	8.363	8.363	0.000	752648	20.8	
73 1,1,1,2-Tetrachloroethane	131	8.394	8.394	0.000	109890	19.5	
74 m-Xylene & p-Xylene	91	8.471	8.471	0.000	1162721	39.0	
75 o-Xylene	91	8.807	8.807	0.000	601725	18.6	
76 Styrene	104	8.843	8.843	0.000	421892	19.2	
77 Bromoform	173	8.869	8.869	0.000	45235	19.4	
78 Isopropylbenzene	105	9.045	9.045	0.000	735804	19.2	
$ 80 4-Bromofluorobenzene	95	9.267	9.267	0.000	174905	17.9	
81 Bromobenzene	77	9.355	9.355	0.000	302868	17.5	
82 N-Propylbenzene	91	9.365	9.365	0.000	924847	18.7	
83 1,1,2,2-Tetrachloroethane	83	9.417	9.417	0.000	91980	19.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.495	9.495	0.000	586711	18.0	
85 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	579828	18.4	
86 1,2,3-Trichloropropane	110	9.531	9.531	0.000	20137	19.0	
87 trans-1,4-Dichloro-2-butene	53	9.557	9.557	0.000	31326	17.3	
88 4-Chlorotoluene	91	9.619	9.619	0.000	516272	18.0	
89 tert-Butylbenzene	119	9.763	9.763	0.000	480005	19.2	
90 1,2,4-Trimethylbenzene	105	9.820	9.820	0.000	574928	18.0	
91 sec-Butylbenzene	105	9.903	9.903	0.000	816451	19.1	
92 4-Isopropyltoluene	119	10.011	10.011	0.000	607940	18.8	
93 1,3-Dichlorobenzene	146	10.084	10.084	0.000	253689	17.7	
* 94 1,4-Dichlorobenzene-d4	152	10.141	10.141	0.000	140492	20.0	
95 1,4-Dichlorobenzene	146	10.156	10.156	0.000	246246	19.7	
96 n-Butylbenzene	91	10.358	10.358	0.000	669780	20.7	
97 1,2-Dichlorobenzene	146	10.513	10.513	0.000	207282	19.8	
98 1,2-Dibromo-3-Chloropropane	157	11.288	11.288	0.000	10426	19.3	
99 1,3,5-Trichlorobenzene	180	11.314	11.314	0.000	182296	20.0	
100 Hexachlorobutadiene	225	12.042	12.042	0.000	78228	21.5	
101 1,2,4-Trichlorobenzene	180	12.089	12.089	0.000	139319	20.3	
102 Naphthalene	128	12.559	12.559	0.000	170497	18.8	
103 1,2,3-Trichlorobenzene	180	12.833	12.833	0.000	104381	20.6	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 16-Sep-2009 08:23:50 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45013.D

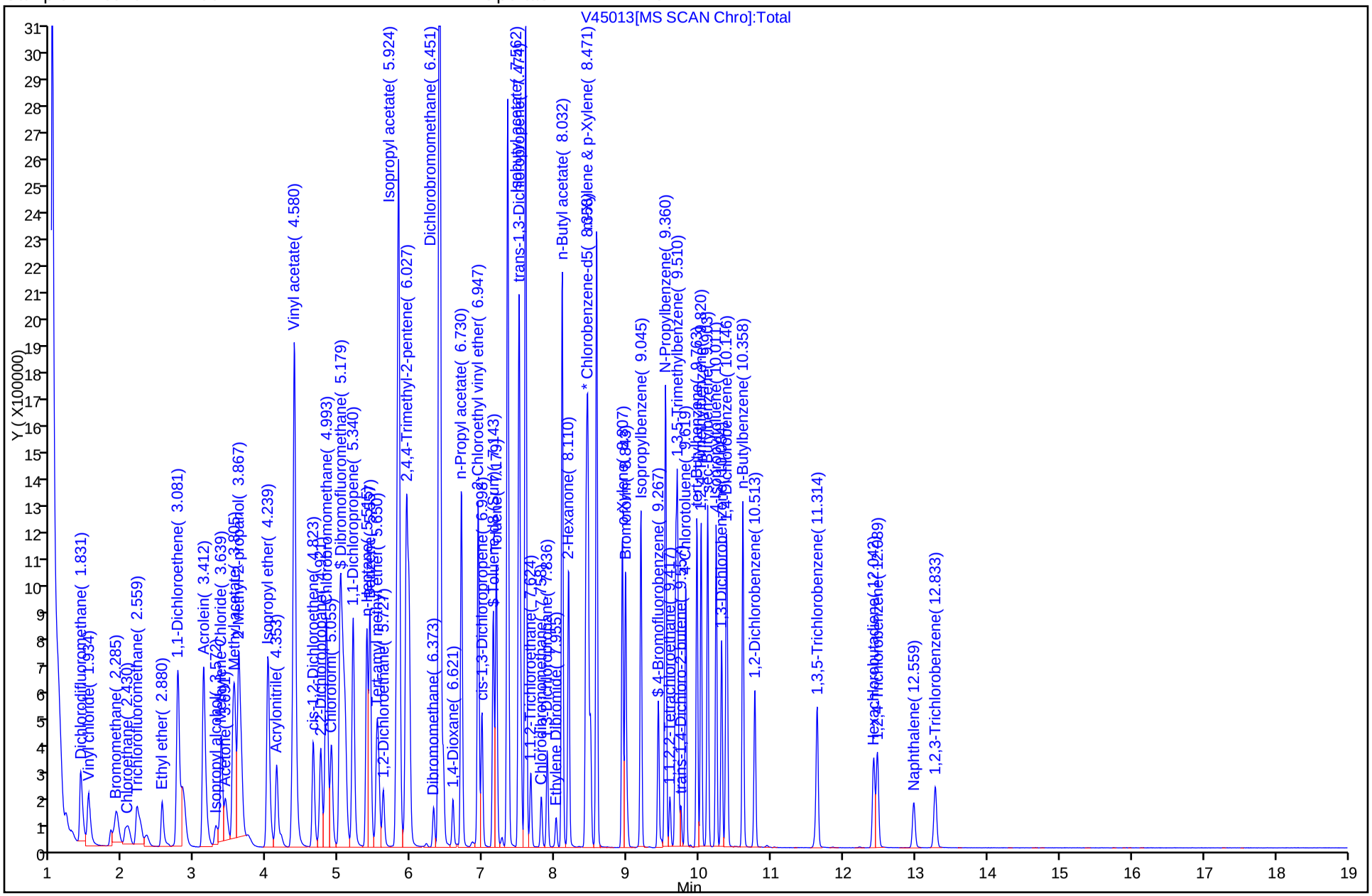
Inj Date: 15-Sep-2009 15:08:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48976 Lims Sample ID: 2

Client ID: Instrument: HP #1 GC/MS

Sample Info: CCVIS

Sample Amount: 1.00 Operator: CR



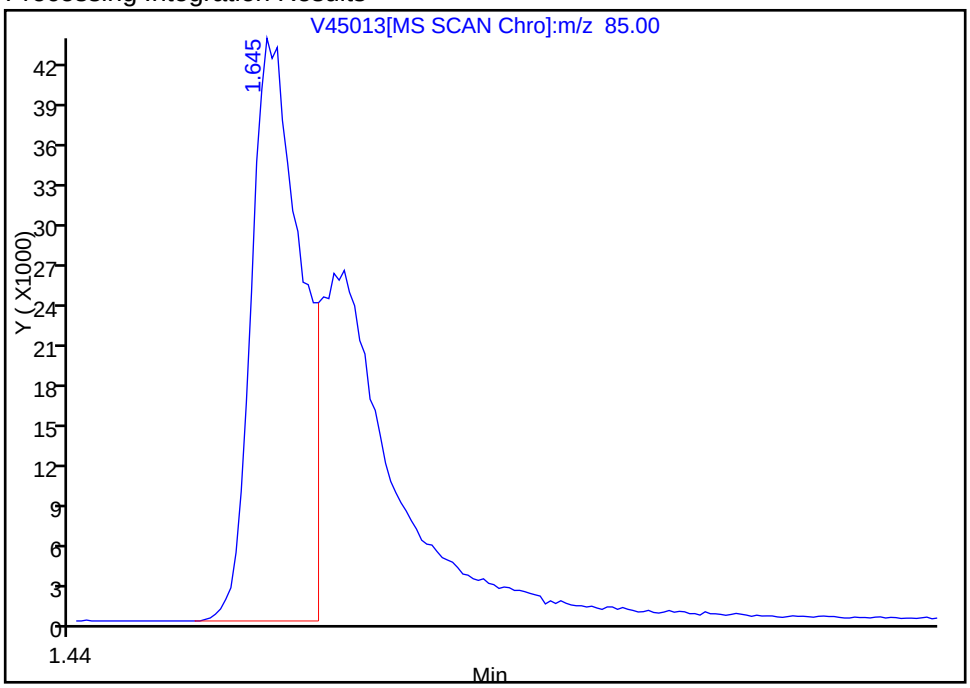
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45013.D		
Inj Date:	15-Sep-2009 15:08:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48976	Lims Sample ID:	2
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	CCVIS		
Sample Amount:	1.00	Operator:	CR

1 Dichlorodifluoromethane, Number: 1, m/z: 85 Type: quant, RT: 1.64

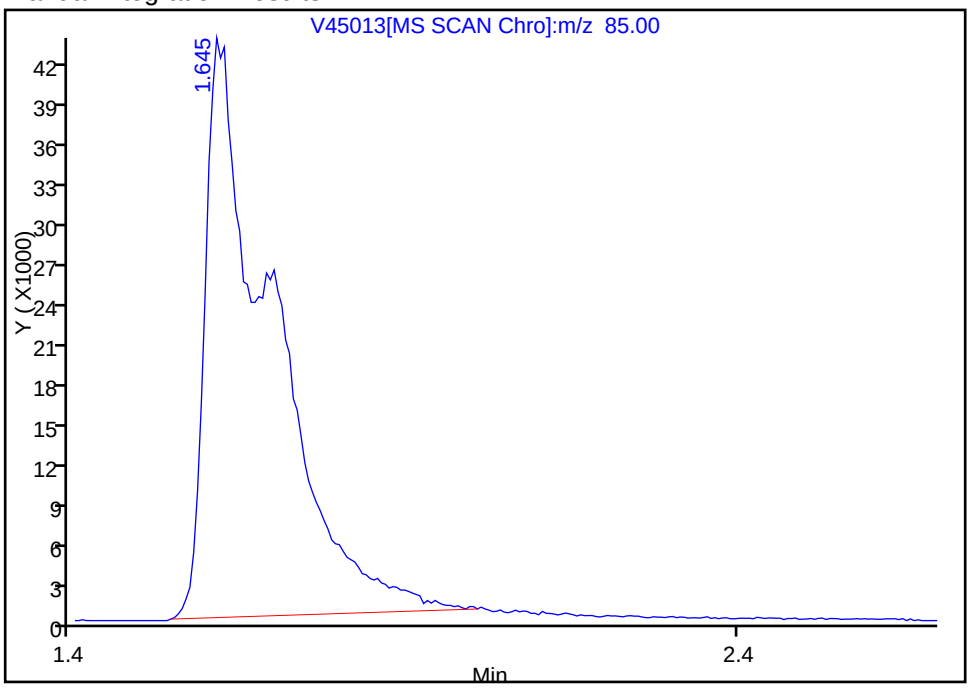
Processing Integration Results

RT: 1.64
Response: 152470
Amount: 11.702634



Manual Integration Results

RT: 1.64
Response: 271180
Amount: 20.814064



Reviewer: rouleauc, 16-Sep-2009 08:23:49
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44787.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	08-Sep-2009 15:37:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	360-0001106-001		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	48701	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:10:30	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	09-Sep-2009 10:10:30

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 79 BFB	95	9.268	9.268	0.000	208109		

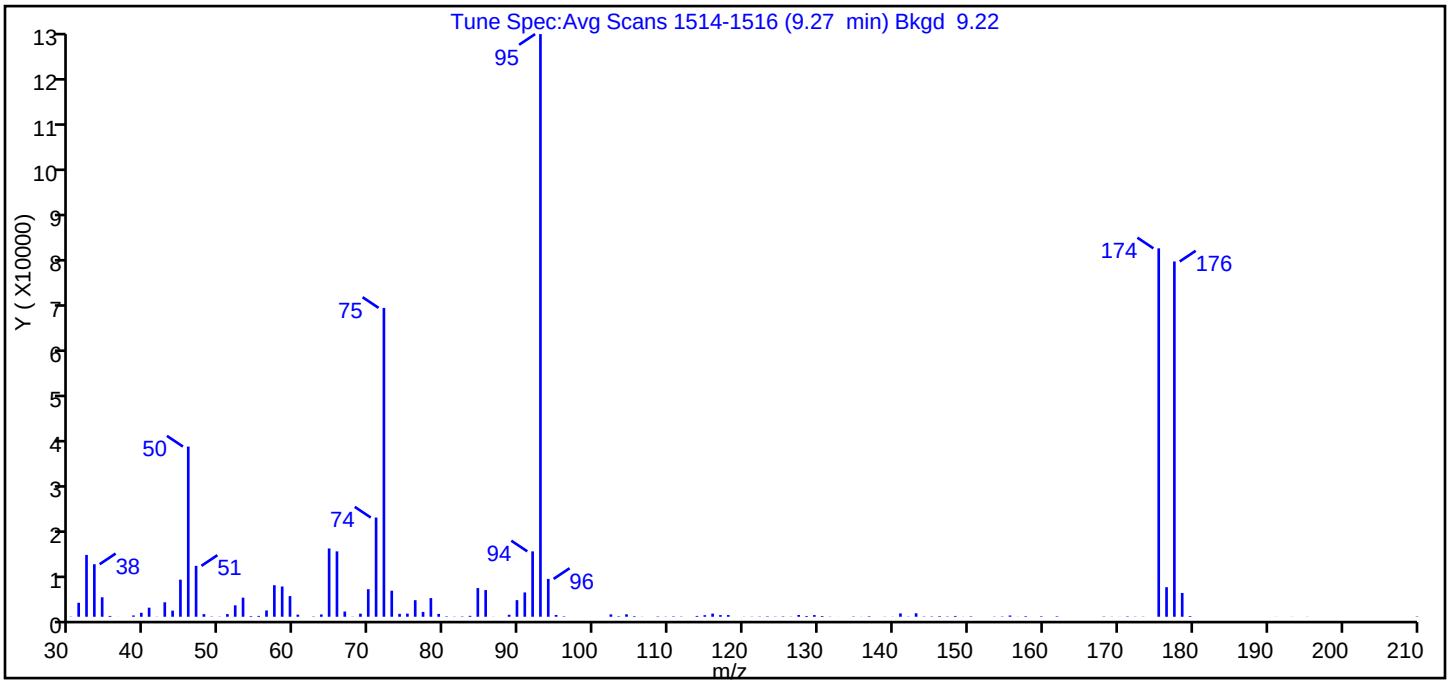
Report Date: 09-Sep-2009 10:10:30

Chrom Revision: 1.0.2009.827

MS Tune Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44787.D		
Inj Date:	08-Sep-2009 15:37:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48701	Lims Sample ID:	1
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	BFB		
Sample Amount:	1.00	Operator:	CR

$ 79 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	29.21
75	30.00 - 60.00% of mass 95	53.01
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	63.23
175	5.00 - 9.00% of mass 174	5.08 (8.03)
176	95.00 - 101.00% of mass 174	60.98 (96.44)
177	5.00 - 9.00% of mass 176	4.09 (6.70)

Report Date: 09-Sep-2009 10:10:30 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44787.D\WES1SOIL.rslt\spectra.d
Injection Date: 08-Sep-2009 15:37:30
Spectrum: Tune Spec:Avg Scans 1514-1516 (9.27 min) Bkgd 9.22
Base Peak: 95.00
Minimum % Base Peak: 1
Number of Points: 35

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2932	51.00	10680	73.00	5781	93.00	5109
37.00	12963	56.00	2396	74.00	20808	94.00	13718
38.00	11023	57.00	4007	75.00	64776	95.00	122192
39.00	4084	60.00	1324	76.00	5467	96.00	7942
45.00	1905	61.00	6614	79.00	3477	174.00	77264
47.00	3039	62.00	6347	81.00	3921	175.00	6205
48.00	1288	63.00	4337	87.00	6022	176.00	74512
49.00	7780	68.00	14324	88.00	5597	177.00	4992
50.00	35696	69.00	13716	92.00	3489		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44797.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	08-Sep-2009 19:37:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	360-0001108-001		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	48711	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:45:21	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	09-Sep-2009 10:45:21

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 79 BFB	95	9.257	9.268	-0.011	174303		

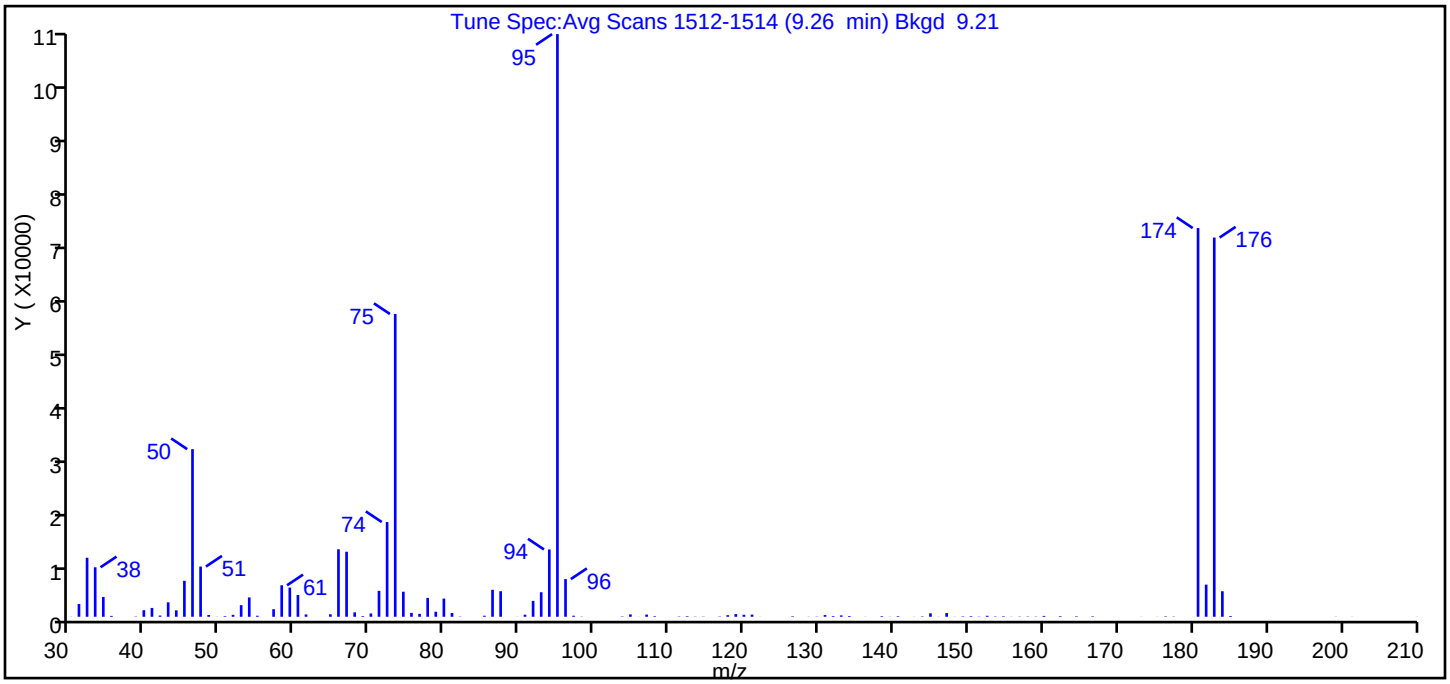
Report Date: 09-Sep-2009 10:45:21

Chrom Revision: 1.0.2009.827

MS Tune Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44797.D		
Inj Date:	08-Sep-2009 19:37:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48711	Lims Sample ID:	1
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	BFB		
Sample Amount:	1.00	Operator:	CR

$ 79 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	28.77
75	30.00 - 60.00% of mass 95	51.96
96	5.00 - 9.00% of mass 95	6.47
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	66.71
175	5.00 - 9.00% of mass 174	5.51 (8.27)
176	95.00 - 101.00% of mass 174	65.08 (97.56)
177	5.00 - 9.00% of mass 176	4.38 (6.73)

Report Date: 09-Sep-2009 10:45:21 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44797.D\WES1SOIL.rslt\spectra.d
Injection Date: 08-Sep-2009 19:37:30
Spectrum: Tune Spec:Avg Scans 1512-1514 (9.26 min) Bkgd 9.21
Base Peak: 95.00
Minimum % Base Peak: 1
Number of Points: 36

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2276	50.00	29960	69.00	11620	92.00	2841
37.00	10551	51.00	8975	73.00	4632	93.00	4387
38.00	8845	56.00	2077	74.00	16928	94.00	12027
39.00	3544	57.00	3458	75.00	54112	95.00	104136
44.00	1173	60.00	1356	76.00	4477	96.00	6737
45.00	1576	61.00	5626	79.00	3368	174.00	69472
47.00	2578	62.00	5220	81.00	3250	175.00	5742
48.00	1150	63.00	3883	87.00	4824	176.00	67776
49.00	6426	68.00	12060	88.00	4569	177.00	4561

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44836A.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	09-Sep-2009 16:42:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	360-0001122-001		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	48767	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\WES1SOIL.m		
Last Update:	10-Sep-2009 11:13:45	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	10-Sep-2009 11:13:45

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 79 BFB	95	9.252	9.252	0.000	176829		

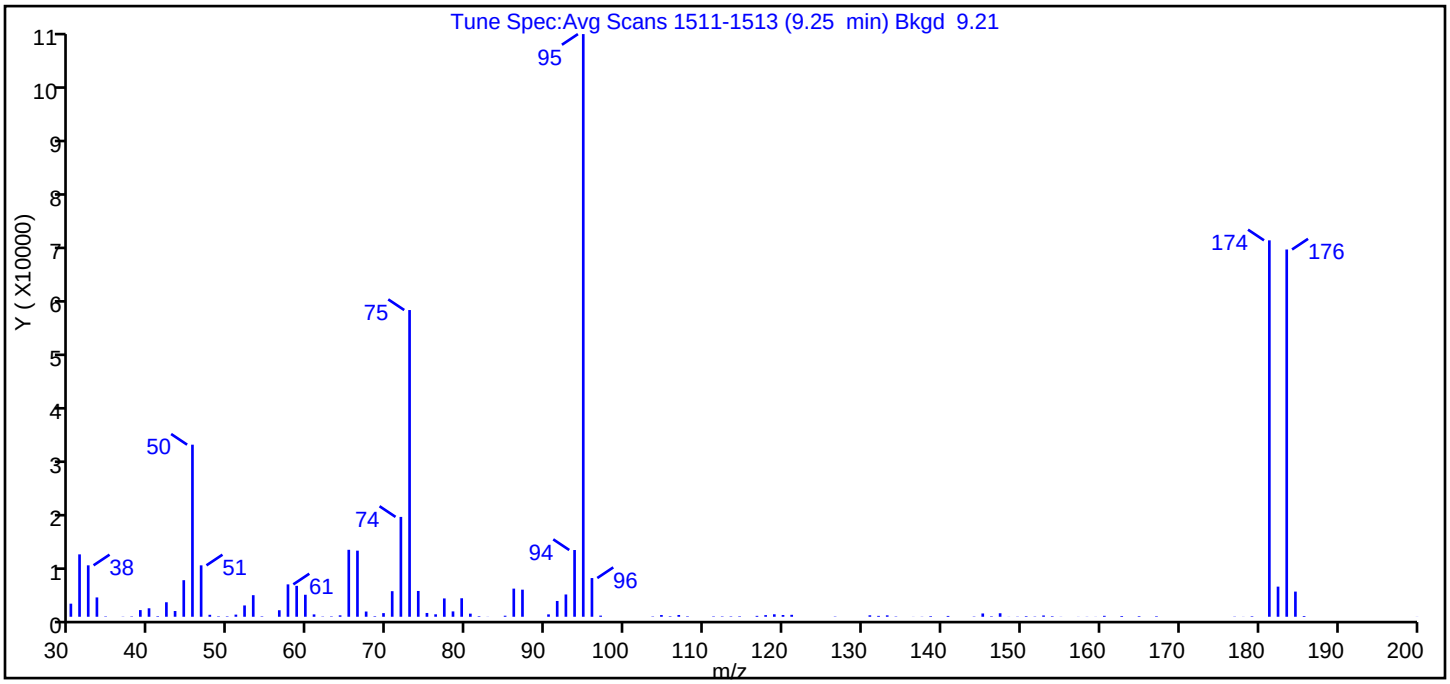
Report Date: 10-Sep-2009 11:13:46

Chrom Revision: 1.0.2009.827

MS Tune Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44836A.D		
Inj Date:	09-Sep-2009 16:42:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48767	Lims Sample ID:	1
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	BFB		
Sample Amount:	1.00	Operator:	CR

$ 79 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	29.54
75	30.00 - 60.00% of mass 95	52.64
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	64.61
175	5.00 - 9.00% of mass 174	5.17 (8.01)
176	95.00 - 101.00% of mass 174	63.03 (97.57)
177	5.00 - 9.00% of mass 176	4.32 (6.86)

Report Date: 10-Sep-2009 11:13:46 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44836A.D\WES1SOIL.rslt\spectra.d
Injection Date: 09-Sep-2009 16:42:30
Spectrum: Tune Spec:Avg Scans 1511-1513 (9.25 min) Bkgd 9.21
Base Peak: 95.00
Minimum % Base Peak: 1
Number of Points: 35

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2332	51.00	9158	73.00	4557	93.00	3971
37.00	11113	56.00	2016	74.00	17784	94.00	11887
38.00	9161	57.00	3845	75.00	54624	95.00	103768
39.00	3445	60.00	1162	76.00	4596	96.00	6895
44.00	1188	61.00	5770	79.00	3266	174.00	67040
45.00	1510	62.00	5509	81.00	3296	175.00	5368
47.00	2586	63.00	3920	87.00	5013	176.00	65408
49.00	6513	68.00	11927	88.00	4827	177.00	4484
50.00	30648	69.00	11774	92.00	2812		

Report Date: 14-Sep-2009 08:45:05 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44920.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	12-Sep-2009 12:07:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	360-0001152-001		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	48878	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 08:45:04	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	14-Sep-2009 08:45:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 79 BFB	95	9.262	9.262	0.000	171049		

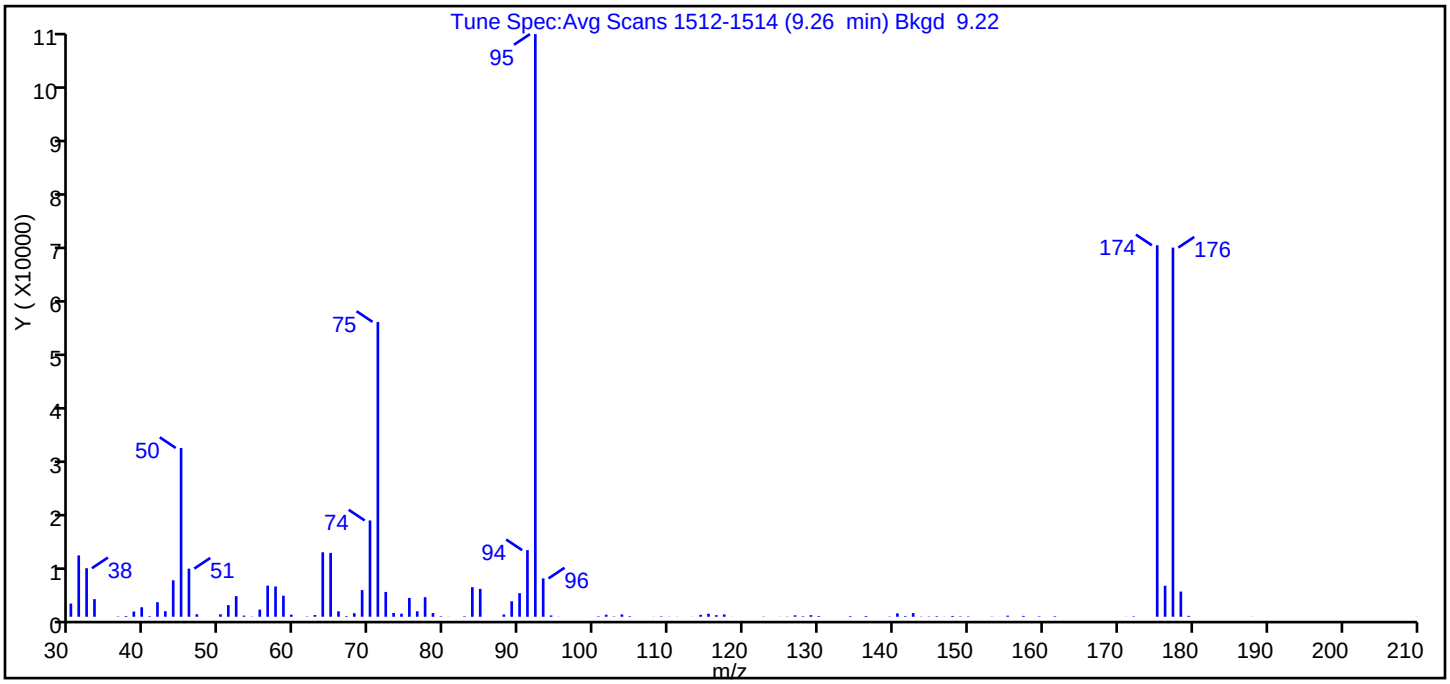
Report Date: 14-Sep-2009 08:45:05

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44920.D		
Inj Date:	12-Sep-2009 12:07:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	1
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	BFB		
Sample Amount:	1.00	Operator:	CR

$ 79 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	28.97
75	30.00 - 60.00% of mass 95	50.61
96	5.00 - 9.00% of mass 95	6.58
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	63.76
175	5.00 - 9.00% of mass 174	5.32 (8.35)
176	95.00 - 101.00% of mass 174	63.36 (99.38)
177	5.00 - 9.00% of mass 176	4.33 (6.83)

Report Date: 14-Sep-2009 08:45:05 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44920.D\WES1SOIL.rslt\spectra.d
Injection Date: 12-Sep-2009 12:07:30
Spectrum: Tune Spec:Avg Scans 1512-1514 (9.26 min) Bkgd 9.22
Base Peak: 95.00
Minimum % Base Peak: 1
Number of Points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2319	56.00	2043	74.00	16960	94.00	11733
37.00	10802	57.00	3635	75.00	51920	95.00	102592
38.00	8549	60.00	1260	76.00	4373	96.00	6752
39.00	3102	61.00	5479	79.00	3315	174.00	65408
45.00	1674	62.00	5332	81.00	3450	175.00	5463
47.00	2568	63.00	3704	87.00	5210	176.00	65000
49.00	6417	68.00	11355	88.00	4910	177.00	4439
50.00	29720	69.00	11247	92.00	2728		
51.00	8479	73.00	4696	93.00	4157		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45012.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	15-Sep-2009 14:44:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	360-0001175-001		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	48976	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\WES1SOIL.m		
Last Update:	15-Sep-2009 15:13:42	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	15-Sep-2009 15:13:42

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
$ 79 BFB	95	9.273	9.273	0.000	161989		

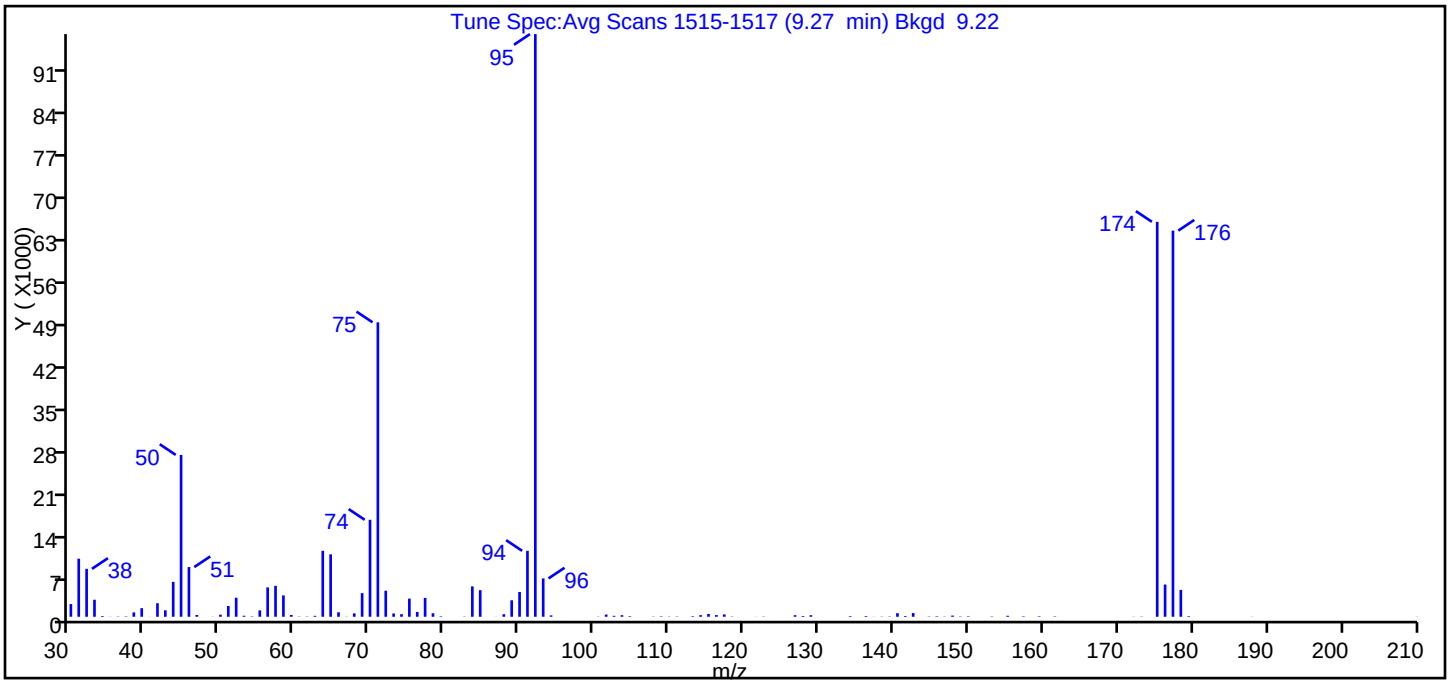
Report Date: 15-Sep-2009 15:13:43

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45012.D		
Inj Date:	15-Sep-2009 14:44:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48976	Lims Sample ID:	1
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	BFB		
Sample Amount:	1.00	Operator:	CR

$ 79 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.78
75	30.00 - 60.00% of mass 95	50.54
96	5.00 - 9.00% of mass 95	6.58
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	67.78
175	5.00 - 9.00% of mass 174	5.53 (8.16)
176	95.00 - 101.00% of mass 174	66.27 (97.77)
177	5.00 - 9.00% of mass 176	4.61 (6.96)

Report Date: 15-Sep-2009 15:13:43 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45012.D\WES1SOIL.rslt\spectra.d
Injection Date: 15-Sep-2009 14:44:30
Spectrum: Tune Spec:Avg Scans 1515-1517 (9.27 min) Bkgd 9.22
Base Peak: 95.00
Minimum % Base Peak: 1
Number of Points: 35

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2110	51.00	8260	73.00	3931	93.00	4117
37.00	9653	56.00	1785	74.00	16121	94.00	10961
38.00	7967	57.00	3165	75.00	48944	95.00	96848
39.00	2830	60.00	1063	76.00	4331	96.00	6373
45.00	1434	61.00	4882	79.00	3018	174.00	65648
47.00	2252	62.00	5139	81.00	3137	175.00	5360
48.00	1075	63.00	3550	87.00	5047	176.00	64184
49.00	5803	68.00	10962	88.00	4424	177.00	4467
50.00	26904	69.00	10379	92.00	2742		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48710/3-A

Matrix: Solid | Lab File ID: V44802.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/08/2009 21:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.0
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.0
75-35-4	1,1-Dichloroethene	ND		2.5	1.0
563-58-6	1,1-Dichloropropene	ND		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
67-64-1	Acetone	ND		250	18
78-87-5	1,2-Dichloropropane	ND		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.0
95-49-8	2-Chlorotoluene	ND		2.5	1.0
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	1.0
71-43-2	Benzene	ND		2.5	1.0
108-86-1	Bromobenzene	ND		2.5	1.0
74-97-5	Chlorobromomethane	ND		2.5	1.0
75-27-4	Dichlorobromomethane	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.0
74-83-9	Bromomethane	ND		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48710/3-A

Matrix: Solid | Lab File ID: V44802.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/08/2009 21:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	1.0
75-15-0	Carbon disulfide	ND		2.5	1.0
56-23-5	Carbon tetrachloride	ND		2.5	1.0
108-90-7	Chlorobenzene	ND		2.5	1.0
75-00-3	Chloroethane	ND		5.0	1.0
67-66-3	Chloroform	ND		2.5	1.0
74-87-3	Chloromethane	ND		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.0
75-71-8	Dichlorodifluoromethane	ND		5.0	1.0
60-29-7	Ethyl ether	ND		2.5	1.0
108-20-3	Isopropyl ether	ND		2.5	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	1.0
87-68-3	Hexachlorobutadiene	ND		2.5	1.0
98-82-8	Isopropylbenzene	ND		2.5	1.0
79-20-9	Methyl acetate	ND		50	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.2
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.0
108-87-2	Methylcyclohexane	ND		2.5	1.0
75-09-2	Methylene Chloride	ND		10	4.8
136777-61-2	m-Xylene & p-Xylene	ND		5.0	1.0
91-20-3	Naphthalene	1.16	J	25	1.0
103-65-1	N-Propylbenzene	ND		2.5	1.0
95-47-6	o-Xylene	ND		2.5	1.0
99-87-6	4-Isopropyltoluene	ND		2.5	1.0
135-98-8	sec-Butylbenzene	ND		2.5	1.0
100-42-5	Styrene	ND		2.5	1.0
994-05-8	Tert-amyl methyl ether	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.0
127-18-4	Tetrachloroethene	ND		2.5	1.0
109-99-9	Tetrahydrofuran	ND		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48710/3-A

Matrix: Solid | Lab File ID: V44802.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/08/2009 21:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
79-01-6	Trichloroethene	ND		2.5	1.0
75-69-4	Trichlorofluoromethane	ND		5.0	1.0
75-01-4	Vinyl chloride	ND		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	103	70-130	
1868-53-7	Dibromofluoromethane	99	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: Lab Sample ID: MB 360-48710/3-A

Matrix: Solid Lab File ID: V44802.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 09/08/2009 21:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48711 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44802.D		
Lims ID:	MB 360-48710/3-A	Client ID:	
Inject. Date:	08-Sep-2009 21:38:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-48710/3-A		
Misc. Info.:	360-0001108-006		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	48711	Lims Sample ID:	6
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:53:20	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	09-Sep-2009 10:54:23

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.639				1
2 Chloromethane	50		1.819				479
3 Vinyl chloride	62		1.922				479
4 Bromomethane	94		2.269				79
5 Chloroethane	64		2.403				1
6 Trichlorofluoromethane	101		2.553				1
7 Ethyl ether	59		2.868				1
8 1,1-Dichloroethene	96		3.065				1
9 Ethanol	45		3.070				79
10 Carbon disulfide	76		3.080				7
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.132				1
12 Acrolein	56		3.400				
13 Isopropyl alcohol	45		3.556				7
14 Methylene Chloride	84		3.628				7
15 Acetone	43		3.685				7
16 trans-1,2-Dichloroethene	61		3.778				1
17 Methyl acetate	43		3.804				1
18 Hexane	57		3.855				1
19 Methyl tert-butyl ether	73		3.886				1
20 2-Methyl-2-propanol	59		3.974				
21 Isopropyl ether	45		4.227				1
22 1,1-Dichloroethane	63		4.341				1
23 Acrylonitrile	53		4.403				479
24 Tert-butyl ethyl ether	59		4.553				1
25 Vinyl acetate	43		4.568				1
26 cis-1,2-Dichloroethene	61		4.811				1
27 2,2-Dichloropropane	77		4.910				1
28 Cyclohexane	56		4.977				1
29 Chlorobromomethane	130		4.982				1
30 Chloroform	83		5.044				79
31 Ethyl acetate	43		5.158				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117		5.163				1
33 Tetrahydrofuran	42		5.178				
34 sec-Butyl Alcohol	45		5.189				
$ 35 Dibromofluoromethane	113	5.194	5.204	-0.010	108874	19.8	
36 1,1,1-Trichloroethane	97		5.225				1
37 2-Butanone (MEK)	43		5.318				1
38 1,1-Dichloropropene	75		5.328				1
39 n-Heptane	43		5.499				1
40 Benzene	78		5.540				47
41 Tert-amyl methyl ether	73		5.633				1
* 42 1,2-Dichloroethane-d4 ISTD	102	5.649	5.659	-0.010	20326	20.0	
43 1,2-Dichloroethane	62		5.711				479
* 44 Fluorobenzene	96	5.876	5.886	-0.010	472610	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.907				
46 Isopropyl acetate	43		5.912				1
47 Methylcyclohexane	83		6.010				1
48 Trichloroethene	95		6.015				1
49 2,4,4-Trimethyl-2-pentene	112		6.046				1
50 Dibromomethane	93		6.362				1
51 1,2-Dichloropropane	63		6.444				79
52 Dichlorobromomethane	83		6.486				1
53 Methyl methacrylate	69		6.610				
54 1,4-Dioxane	88		6.651				1
55 n-Propyl acetate	43		6.718				1
56 2-Chloroethyl vinyl ether	63		6.935				1
57 cis-1,3-Dichloropropene	75		6.987				1
$ 58 Toluene-d8 (Surr)	98	7.122	7.132	-0.010	425399	20.3	
59 Toluene	92		7.173				47
60 Tetrachloroethene	164		7.462				1
61 4-Methyl-2-pentanone (MIBK)	43		7.462				1
62 trans-1,3-Dichloropropene	75		7.488				1
63 Isobutyl acetate	43		7.550				
64 1,1,2-Trichloroethane	83		7.617				1
65 Chlorodibromomethane	129		7.752				1
66 1,3-Dichloropropane	76		7.829				1
67 Ethylene Dibromide	107		7.943				1
68 n-Butyl acetate	43		8.021				
69 2-Hexanone	43	8.098	8.103	-0.005	2356	0.3963	
* 70 Chlorobenzene-d5	117	8.321	8.325	-0.004	289005	20.0	
71 Chlorobenzene	112		8.341				479
72 Ethylbenzene	91		8.356				1
73 1,1,1,2-Tetrachloroethane	131		8.387				1
74 m-Xylene & p-Xylene	91		8.465				7
75 o-Xylene	91		8.796				1
76 Styrene	104		8.837				7
77 Bromoform	173		8.863				1
78 Isopropylbenzene	105		9.039				1
$ 80 4-Bromofluorobenzene	95	9.256	9.261	-0.005	169810	20.5	
$ 79 BFB	95	9.256	9.268	-0.012	168994		
81 Bromobenzene	77		9.349				1
82 N-Propylbenzene	91		9.359				1
83 1,1,2,2-Tetrachloroethane	83		9.411				1

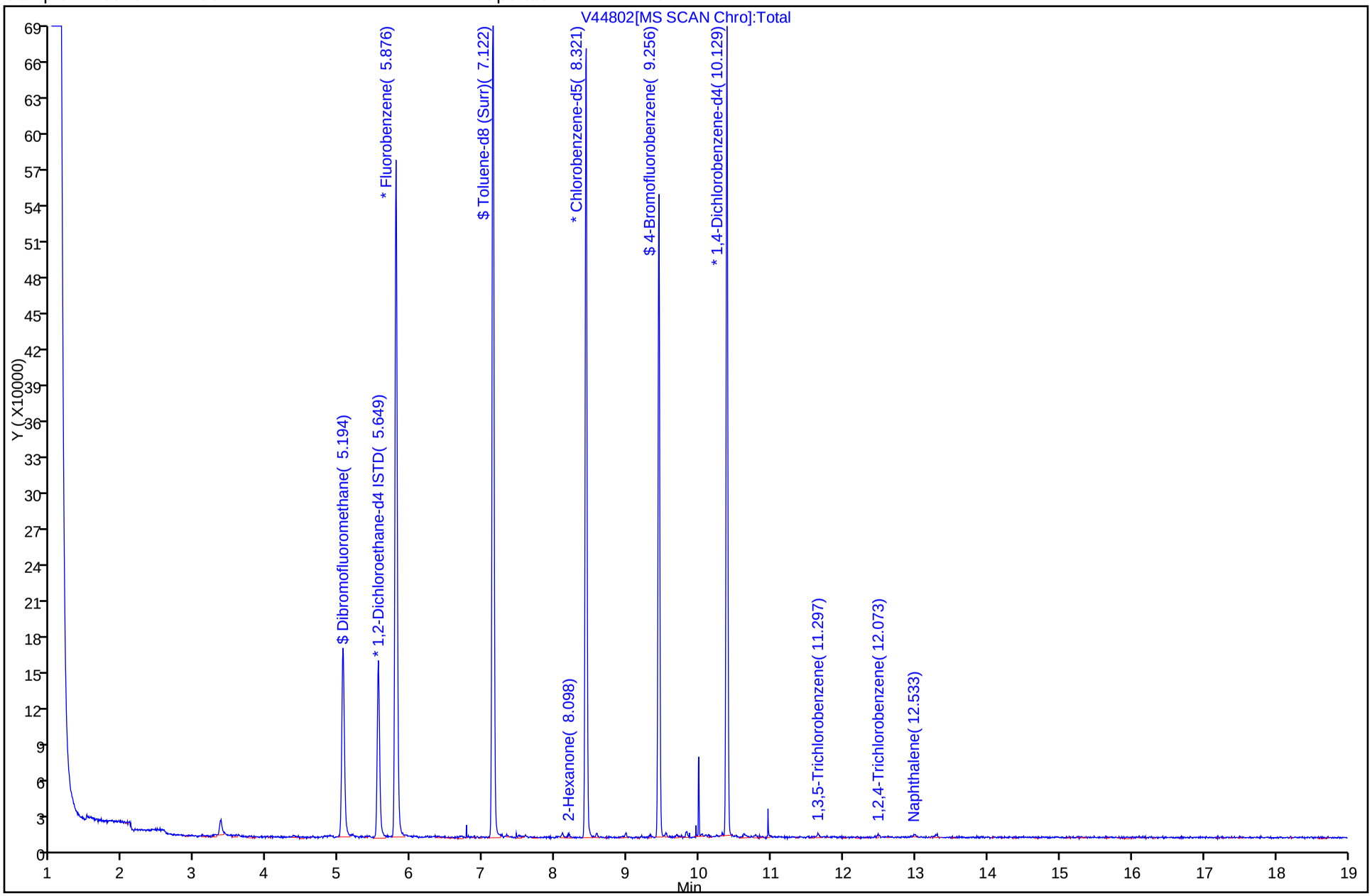
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91		9.483				7
85 1,3,5-Trimethylbenzene	105		9.509				1
86 1,2,3-Trichloropropane	110		9.524				1
87 trans-1,4-Dichloro-2-butene	53		9.555				479
88 4-Chlorotoluene	91		9.617				1
89 tert-Butylbenzene	119		9.762				1
90 1,2,4-Trimethylbenzene	105		9.814				1
91 sec-Butylbenzene	105		9.897				1
92 4-Isopropyltoluene	119		10.010				1
93 1,3-Dichlorobenzene	146		10.077				
* 94 1,4-Dichlorobenzene-d4	152	10.129	10.134	-0.005	136070	20.0	
95 1,4-Dichlorobenzene	146		10.150				
96 n-Butylbenzene	91		10.351				1
97 1,2-Dichlorobenzene	146		10.506				1
98 1,2-Dibromo-3-Chloropropane	157		11.287				1
99 1,3,5-Trichlorobenzene	180	11.303	11.307	-0.004	656	0.0745	
100 Hexachlorobutadiene	225		12.036				1
101 1,2,4-Trichlorobenzene	180	12.073	12.083	-0.010	926	0.1396	
102 Naphthalene	128	12.538	12.553	-0.015	2037	0.2324	
103 1,2,3-Trichlorobenzene	180		12.827				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 09-Sep-2009 10:54:23 Chrom Revision: 1.0.2009.827

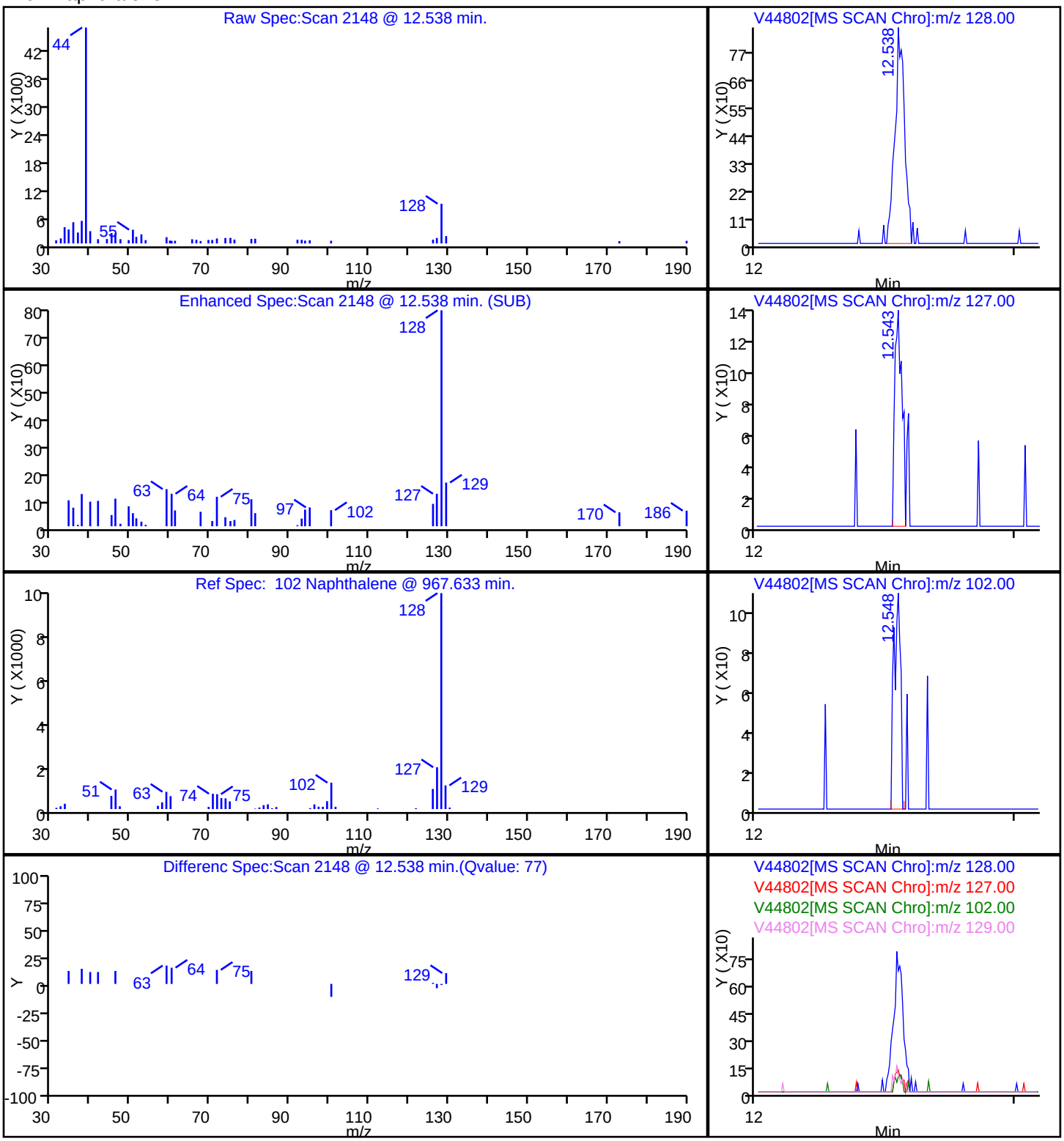
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44802.D		
Inj Date:	08-Sep-2009 21:38:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48711	Lims Sample ID:	6
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	MB 360-48710/3-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 09-Sep-2009 10:54:24 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44802.D		
Inj Date:	08-Sep-2009 21:38:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48711	Lims Sample ID:	6
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	MB 360-48710/3-A		
Sample Amount:	1.00	Operator:	CR

102 Naphthalene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48765/3-A

Matrix: Solid | Lab File ID: V44843.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/09/2009 19:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.0
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.0
75-35-4	1,1-Dichloroethene	ND		2.5	1.0
563-58-6	1,1-Dichloropropene	ND		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
67-64-1	Acetone	ND		250	18
78-87-5	1,2-Dichloropropane	ND		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.0
95-49-8	2-Chlorotoluene	ND		2.5	1.0
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	1.0
71-43-2	Benzene	ND		2.5	1.0
108-86-1	Bromobenzene	ND		2.5	1.0
74-97-5	Chlorobromomethane	ND		2.5	1.0
75-27-4	Dichlorobromomethane	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.0
74-83-9	Bromomethane	ND		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48765/3-A

Matrix: Solid | Lab File ID: V44843.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/09/2009 19:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	1.0
75-15-0	Carbon disulfide	ND		2.5	1.0
56-23-5	Carbon tetrachloride	ND		2.5	1.0
108-90-7	Chlorobenzene	ND		2.5	1.0
75-00-3	Chloroethane	ND		5.0	1.0
67-66-3	Chloroform	ND		2.5	1.0
74-87-3	Chloromethane	ND		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.0
75-71-8	Dichlorodifluoromethane	ND		5.0	1.0
60-29-7	Ethyl ether	ND		2.5	1.0
108-20-3	Isopropyl ether	ND		2.5	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	1.0
87-68-3	Hexachlorobutadiene	ND		2.5	1.0
98-82-8	Isopropylbenzene	ND		2.5	1.0
79-20-9	Methyl acetate	ND		50	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.2
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.0
108-87-2	Methylcyclohexane	ND		2.5	1.0
75-09-2	Methylene Chloride	5.03	J	10	4.8
136777-61-2	m-Xylene & p-Xylene	ND		5.0	1.0
91-20-3	Naphthalene	ND		25	1.0
103-65-1	N-Propylbenzene	ND		2.5	1.0
95-47-6	o-Xylene	ND		2.5	1.0
99-87-6	4-Isopropyltoluene	ND		2.5	1.0
135-98-8	sec-Butylbenzene	ND		2.5	1.0
100-42-5	Styrene	ND		2.5	1.0
994-05-8	Tert-amyl methyl ether	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.0
127-18-4	Tetrachloroethene	ND		2.5	1.0
109-99-9	Tetrahydrofuran	ND		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48765/3-A

Matrix: Solid | Lab File ID: V44843.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/09/2009 19:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
79-01-6	Trichloroethene	ND		2.5	1.0
75-69-4	Trichlorofluoromethane	ND		5.0	1.0
75-01-4	Vinyl chloride	ND		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	103	70-130	
1868-53-7	Dibromofluoromethane	101	70-130	
2037-26-5	Toluene-d8 (Surr)	99	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: Lab Sample ID: MB 360-48765/3-A

Matrix: Solid Lab File ID: V44843.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 09/09/2009 19:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48767 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 2.16

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	12.79	2.16	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44843.D		
Lims ID:	MB 360-48765/3-A	Client ID:	
Inject. Date:	09-Sep-2009 19:05:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-48765/3-A		
Misc. Info.:	360-0001122-006		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	48767	Lims Sample ID:	6
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\WES1SOIL.m		
Last Update:	10-Sep-2009 11:23:54	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 10-Sep-2009 11:24:42

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.629				1
2 Chloromethane	50		1.810				47
3 Vinyl chloride	62		1.908				1
4 Bromomethane	94		2.254				1
5 Chloroethane	64		2.394				1
6 Trichlorofluoromethane	101		2.533				1
7 Ethyl ether	59		2.854				1
8 1,1-Dichloroethene	96		3.045				1
9 Ethanol	45		3.050				79
10 Carbon disulfide	76		3.060				47
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.117				1
12 Acrolein	56		3.386				
13 Isopropyl alcohol	45		3.541				7
14 Methylene Chloride	84	3.612	3.613	-0.001	14954	1.01	
15 Acetone	43		3.665				7
16 trans-1,2-Dichloroethene	61		3.763				1
17 Methyl acetate	43		3.789				1
18 Hexane	57		3.841				1
19 Methyl tert-butyl ether	73		3.872				1
20 2-Methyl-2-propanol	59		3.970				
21 Isopropyl ether	45		4.213				1
22 1,1-Dichloroethane	63		4.327				1
23 Acrylonitrile	53		4.383				7
24 Tert-butyl ethyl ether	59		4.538				1
25 Vinyl acetate	43		4.554				1
26 cis-1,2-Dichloroethene	61		4.797				1
27 2,2-Dichloropropane	77		4.895				1
28 Cyclohexane	56		4.967				1
29 Chlorobromomethane	130		4.973				1
30 Chloroform	83		5.035				1
31 Ethyl acetate	43		5.143				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117		5.148				1
33 Tetrahydrofuran	42		5.164				79
34 sec-Butyl Alcohol	45		5.179				1
$ 35 Dibromofluoromethane	113	5.183	5.190	-0.007	100933	20.1	
36 1,1,1-Trichloroethane	97		5.210				1
37 2-Butanone (MEK)	43		5.308				1
38 1,1-Dichloropropene	75		5.314				1
39 n-Heptane	43		5.489				1
40 Benzene	78		5.531				7
41 Tert-amyl methyl ether	73		5.624				1
* 42 1,2-Dichloroethane-d4 ISTD	102	5.638	5.644	-0.006	18618	20.0	
43 1,2-Dichloroethane	62		5.701				479
* 44 Fluorobenzene	96	5.865	5.872	-0.007	430407	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.898				
46 Isopropyl acetate	43		5.903				1
47 Methylcyclohexane	83		5.996				1
48 Trichloroethene	95		6.006				1
49 2,4,4-Trimethyl-2-pentene	112		6.032				1
50 Dibromomethane	93		6.352				1
51 1,2-Dichloropropane	63		6.435				1
52 Dichlorobromomethane	83		6.476				1
53 Methyl methacrylate	69		6.600				79
54 1,4-Dioxane	88		6.642				1
55 n-Propyl acetate	43		6.709				1
56 2-Chloroethyl vinyl ether	63		6.926				1
57 cis-1,3-Dichloropropene	75		6.973				1
$ 58 Toluene-d8 (Surr)	98	7.116	7.122	-0.006	379678	19.9	
59 Toluene	92		7.164				1
60 Tetrachloroethene	164		7.453				1
61 4-Methyl-2-pentanone (MIBK)	43		7.453				1
62 trans-1,3-Dichloropropene	75		7.479				1
63 Isobutyl acetate	43		7.541				
64 1,1,2-Trichloroethane	83		7.608				1
65 Chlorodibromomethane	129		7.743				1
66 1,3-Dichloropropane	76		7.820				1
67 Ethylene Dibromide	107		7.934				1
68 n-Butyl acetate	43	8.000	8.011	-0.011	3313	0.4665	
69 2-Hexanone	43	8.088	8.094	-0.006	2461	0.5117	
* 70 Chlorobenzene-d5	117	8.310	8.316	-0.006	264758	20.0	
71 Chlorobenzene	112		8.332				479
72 Ethylbenzene	91		8.347				1
73 1,1,1,2-Tetrachloroethane	131		8.378				1
74 m-Xylene & p-Xylene	91		8.456				7
75 o-Xylene	91		8.792				1
76 Styrene	104		8.833				47
77 Bromoform	173		8.854				1
78 Isopropylbenzene	105		9.029				1
$ 79 BFB	95	9.245	9.252	-0.007	155548		
$ 80 4-Bromofluorobenzene	95	9.245	9.252	-0.007	155817	20.5	
81 Bromobenzene	77		9.339				1
82 N-Propylbenzene	91		9.350				1
83 1,1,2,2-Tetrachloroethane	83		9.401				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91		9.479				7
85 1,3,5-Trimethylbenzene	105		9.500				1
86 1,2,3-Trichloropropane	110		9.520				1
87 trans-1,4-Dichloro-2-butene	53		9.546				79
88 4-Chlorotoluene	91		9.608				1
89 tert-Butylbenzene	119		9.753				1
90 1,2,4-Trimethylbenzene	105		9.805				1
91 sec-Butylbenzene	105		9.892				1
92 4-Isopropyltoluene	119		10.001				1
93 1,3-Dichlorobenzene	146		10.073				479
* 94 1,4-Dichlorobenzene-d4	152	10.118	10.130	-0.012	131728	20.0	
95 1,4-Dichlorobenzene	146		10.140				479
96 n-Butylbenzene	91		10.347				1
97 1,2-Dichlorobenzene	146		10.497				1
98 1,2-Dibromo-3-Chloropropane	157		11.277				1
99 1,3,5-Trichlorobenzene	180	11.286	11.303	-0.017	478	0.0561	
100 Hexachlorobutadiene	225		12.032				1
101 1,2,4-Trichlorobenzene	180	12.067	12.078	-0.011	797	0.1241	
102 Naphthalene	128	12.532	12.544	-0.012	1437	0.1694	
103 1,2,3-Trichlorobenzene	180		12.823				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 10-Sep-2009 11:24:43 Chrom Revision: 1.0.2009.827

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44843.D		
Lims ID:	MB 360-48765/3-A	Client ID:	
Inject. Date:	09-Sep-2009 19:05:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-48765/3-A		
Misc. Info.:	360-0001122-006		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	48767	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\WES1SOIL.m		
Last Update:	10-Sep-2009 11:23:54	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	10-Sep-2009 11:24:42

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
12.785	21511	0.4328	94			

Quantitation Compounds

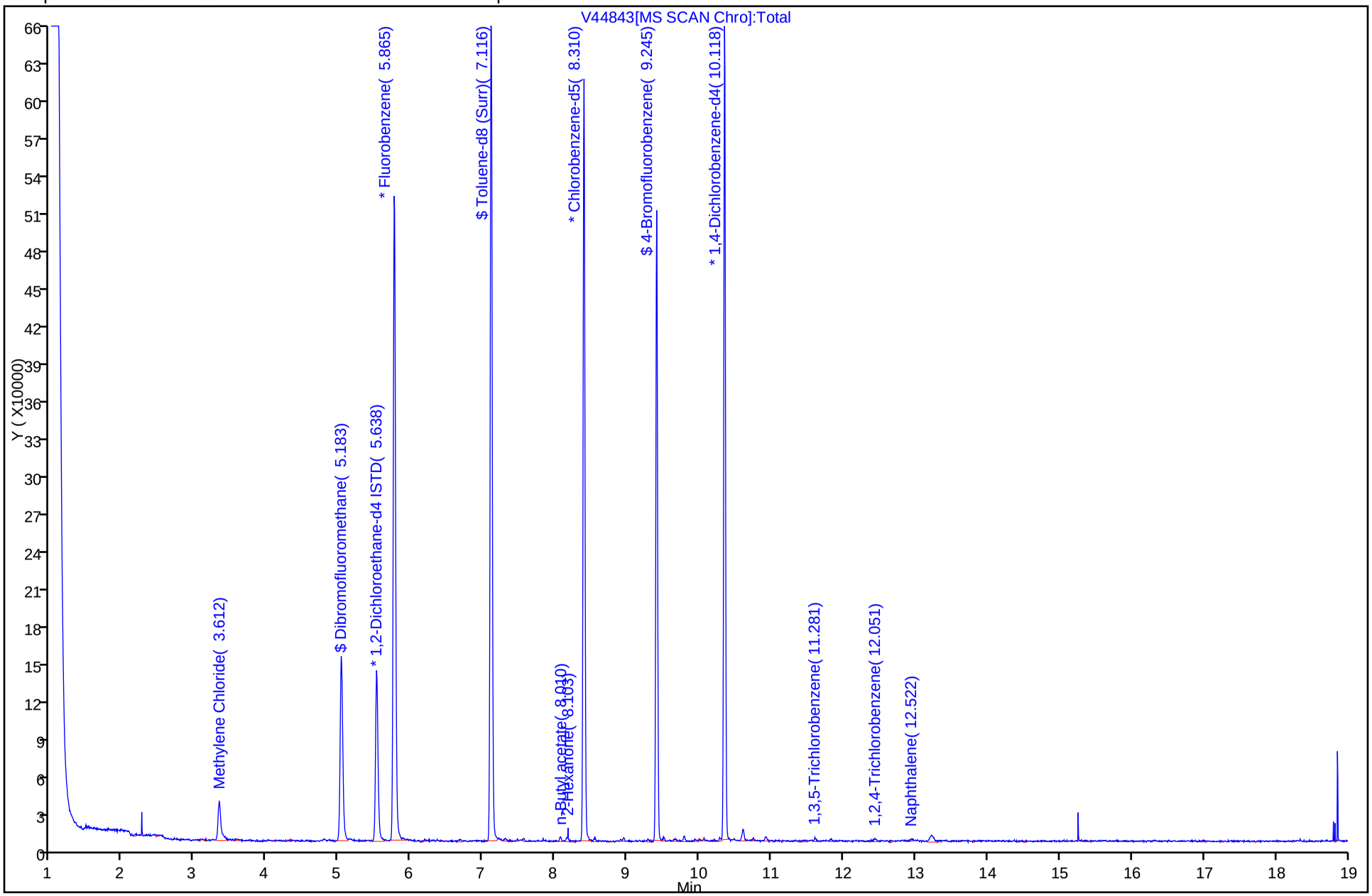
Compound	RT	Response	Amount ug/L
* 94 1,4-Dichlorobenzene-d4	10.118	994141	20.0

QC Flag Legend

Processing Flags

Report Date: 10-Sep-2009 11:24:43 Chrom Revision: 1.0.2009.827

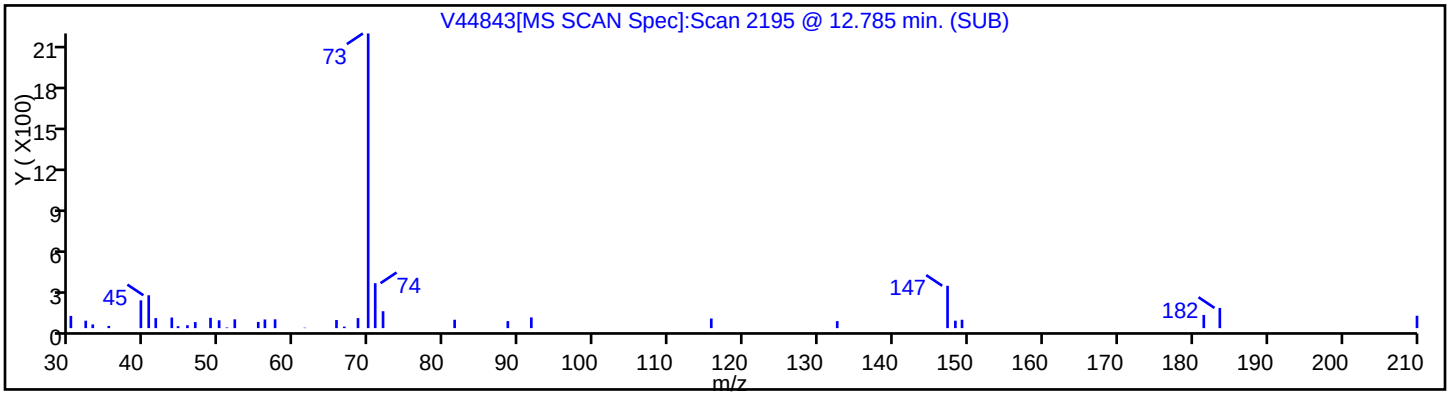
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44843.D		
Inj Date:	09-Sep-2009 19:05:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48767	Lims Sample ID:	6
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	MB 360-48765/3-A		
Sample Amount:	1.00	Operator:	CR



Report Date: 10-Sep-2009 11:24:43 Chrom Revision: 1.0.2009.827

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44843.D		
Inj Date:	09-Sep-2009 19:05:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48767	Lims Sample ID:	6
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	MB 360-48765/3-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48877/3-A

Matrix: Solid | Lab File ID: V44925.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/12/2009 14:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.0
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.0
75-35-4	1,1-Dichloroethene	ND		2.5	1.0
563-58-6	1,1-Dichloropropene	ND		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
67-64-1	Acetone	ND		250	18
78-87-5	1,2-Dichloropropane	ND		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.0
95-49-8	2-Chlorotoluene	ND		2.5	1.0
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	1.0
71-43-2	Benzene	ND		2.5	1.0
108-86-1	Bromobenzene	ND		2.5	1.0
74-97-5	Chlorobromomethane	ND		2.5	1.0
75-27-4	Dichlorobromomethane	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.0
74-83-9	Bromomethane	ND		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48877/3-A

Matrix: Solid | Lab File ID: V44925.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/12/2009 14:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	1.0
75-15-0	Carbon disulfide	ND		2.5	1.0
56-23-5	Carbon tetrachloride	ND		2.5	1.0
108-90-7	Chlorobenzene	ND		2.5	1.0
75-00-3	Chloroethane	ND		5.0	1.0
67-66-3	Chloroform	ND		2.5	1.0
74-87-3	Chloromethane	ND		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.0
75-71-8	Dichlorodifluoromethane	ND		5.0	1.0
60-29-7	Ethyl ether	ND		2.5	1.0
108-20-3	Isopropyl ether	ND		2.5	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	1.0
87-68-3	Hexachlorobutadiene	ND		2.5	1.0
98-82-8	Isopropylbenzene	ND		2.5	1.0
79-20-9	Methyl acetate	ND		50	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.2
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.0
108-87-2	Methylcyclohexane	ND		2.5	1.0
75-09-2	Methylene Chloride	ND		10	4.8
136777-61-2	m-Xylene & p-Xylene	ND		5.0	1.0
91-20-3	Naphthalene	ND		25	1.0
103-65-1	N-Propylbenzene	ND		2.5	1.0
95-47-6	o-Xylene	ND		2.5	1.0
99-87-6	4-Isopropyltoluene	ND		2.5	1.0
135-98-8	sec-Butylbenzene	ND		2.5	1.0
100-42-5	Styrene	ND		2.5	1.0
994-05-8	Tert-amyl methyl ether	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.0
127-18-4	Tetrachloroethene	ND		2.5	1.0
109-99-9	Tetrahydrofuran	ND		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48877/3-A

Matrix: Solid | Lab File ID: V44925.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/12/2009 14:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
79-01-6	Trichloroethene	ND		2.5	1.0
75-69-4	Trichlorofluoromethane	ND		5.0	1.0
75-01-4	Vinyl chloride	ND		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	105	70-130	
1868-53-7	Dibromofluoromethane	105	70-130	
2037-26-5	Toluene-d8 (Surr)	99	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: Lab Sample ID: MB 360-48877/3-A

Matrix: Solid Lab File ID: V44925.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 09/12/2009 14:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48878 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 5.84

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.63	5.84	T J

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44925.D		
Lims ID:	MB 360-48877/3-A	Client ID:	
Inject. Date:	12-Sep-2009 14:06:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-48877/3-A		
Misc. Info.:	360-0001152-006		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	48878	Lims Sample ID:	6
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 08:58:05	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	14-Sep-2009 08:59:22

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.640				1
2 Chloromethane	50		1.821				79
3 Vinyl chloride	62		1.919				1
4 Bromomethane	94		2.276				1
5 Chloroethane	64		2.405				1
6 Trichlorofluoromethane	101		2.549				1
7 Ethyl ether	59		2.875				1
8 1,1-Dichloroethene	96		3.066				1
10 Carbon disulfide	76		3.082				79
9 Ethanol	45		3.092				1
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.133				1
12 Acrolein	56		3.407				1
13 Isopropyl alcohol	45		3.562				79
14 Methylene Chloride	84		3.635				7
15 Acetone	43		3.692				7
16 trans-1,2-Dichloroethene	61		3.785				1
17 Methyl acetate	43		3.810				1
18 Hexane	57		3.857				1
19 Methyl tert-butyl ether	73		3.893				1
20 2-Methyl-2-propanol	59		3.976				
21 Isopropyl ether	45		4.234				1
22 1,1-Dichloroethane	63		4.348				1
23 Acrylonitrile	53		4.405				1
24 Tert-butyl ethyl ether	59		4.560				1
25 Vinyl acetate	43		4.575				1
26 cis-1,2-Dichloroethene	61		4.818				1
27 2,2-Dichloropropane	77		4.916				1
28 Cyclohexane	56		4.983				1
29 Chlorobromomethane	130		4.989				1
30 Chloroform	83		5.056				1
31 Ethyl acetate	43		5.164				

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117		5.170				1
33 Tetrahydrofuran	42		5.190				
34 sec-Butyl Alcohol	45		5.195				1
$ 35 Dibromofluoromethane	113	5.204	5.211	-0.007	96369	21.0	
36 1,1,1-Trichloroethane	97		5.232				1
37 2-Butanone (MEK)	43		5.325				1
38 1,1-Dichloropropene	75		5.335				1
39 n-Heptane	43		5.511				1
40 Benzene	78		5.547				79
41 Tert-amyl methyl ether	73		5.640				1
* 42 1,2-Dichloroethane-d4 ISTD	102	5.659	5.666	-0.007	17141	20.0	
43 1,2-Dichloroethane	62		5.722				479
* 44 Fluorobenzene	96	5.886	5.893	-0.007	394856	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.914				
46 Isopropyl acetate	43		5.919				1
47 Methylcyclohexane	83		6.017				1
48 Trichloroethene	95		6.022				1
49 2,4,4-Trimethyl-2-pentene	112		6.048				1
50 Dibromomethane	93		6.368				1
51 1,2-Dichloropropane	63		6.451				1
52 Dichlorobromomethane	83		6.493				1
53 Methyl methacrylate	69		6.617				479
54 1,4-Dioxane	88		6.653				1
55 n-Propyl acetate	43		6.725				1
56 2-Chloroethyl vinyl ether	63		6.942				1
57 cis-1,3-Dichloropropene	75		6.994				1
$ 58 Toluene-d8 (Surr)	98	7.137	7.138	-0.001	348613	19.9	
59 Toluene	92		7.175				1
60 Tetrachloroethene	164		7.469				1
61 4-Methyl-2-pentanone (MIBK)	43		7.469				1
62 trans-1,3-Dichloropropene	75		7.495				1
63 Isobutyl acetate	43		7.557				
64 1,1,2-Trichloroethane	83		7.619				1
65 Chlorodibromomethane	129		7.759				1
66 1,3-Dichloropropane	76		7.831				1
67 Ethylene Dibromide	107		7.945				1
68 n-Butyl acetate	43	8.026	8.027	-0.001	2599	0.3989	
69 2-Hexanone	43	8.114	8.105	0.009	1758	0.3124	
* 70 Chlorobenzene-d5	117	8.331	8.332	-0.001	236414	20.0	
71 Chlorobenzene	112		8.343				1
72 Ethylbenzene	91		8.358				1
73 1,1,1,2-Tetrachloroethane	131		8.389				1
74 m-Xylene & p-Xylene	91		8.467				1
75 o-Xylene	91		8.803				1
76 Styrene	104		8.839				47
77 Bromoform	173		8.865				1
78 Isopropylbenzene	105		9.040				1
$ 79 BFB	95	9.261	9.262	-0.001	141950		
$ 80 4-Bromofluorobenzene	95	9.261	9.262	-0.001	142602	21.1	
81 Bromobenzene	77		9.350				1
82 N-Propylbenzene	91		9.361				1
83 1,1,2,2-Tetrachloroethane	83		9.412				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91		9.485				7
85 1,3,5-Trimethylbenzene	105		9.511				1
86 1,2,3-Trichloropropane	110		9.526				1
87 trans-1,4-Dichloro-2-butene	53		9.557				1
88 4-Chlorotoluene	91		9.614				1
89 tert-Butylbenzene	119		9.759				1
90 1,2,4-Trimethylbenzene	105		9.815				1
91 sec-Butylbenzene	105		9.898				1
92 4-Isopropyltoluene	119		10.007				1
93 1,3-Dichlorobenzene	146		10.079				479
* 94 1,4-Dichlorobenzene-d4	152	10.134	10.136	-0.002	117984	20.0	
95 1,4-Dichlorobenzene	146		10.146				479
96 n-Butylbenzene	91		10.353				1
97 1,2-Dichlorobenzene	146		10.508				1
98 1,2-Dibromo-3-Chloropropane	157		11.278				1
99 1,3,5-Trichlorobenzene	180	11.307	11.309	-0.002	337	0.0441	
100 Hexachlorobutadiene	225		12.032				1
101 1,2,4-Trichlorobenzene	180		12.084				1
102 Naphthalene	128		12.549				1
103 1,2,3-Trichlorobenzene	180		12.823				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 14-Sep-2009 08:59:22 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44925.D		
Lims ID:	MB 360-48877/3-A	Client ID:	
Inject. Date:	12-Sep-2009 14:06:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-48877/3-A		
Misc. Info.:	360-0001152-006		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	48878	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 08:58:05	Calib Date:	08-Sep-2009 18:49:30
Tic RT Window:	0.000 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WESVOAJESS		
Reviewed By:	rouleauc	Date:	14-Sep-2009 08:59:22

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.633	16836	1.17	42			

Quantitation Compounds

Compound	RT	Response	Amount ug/L
* 42 1,2-Dichloroethane-d4 IST	5.659	288328	20.0

QC Flag Legend

Processing Flags

Report Date: 14-Sep-2009 08:59:23 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44925.D

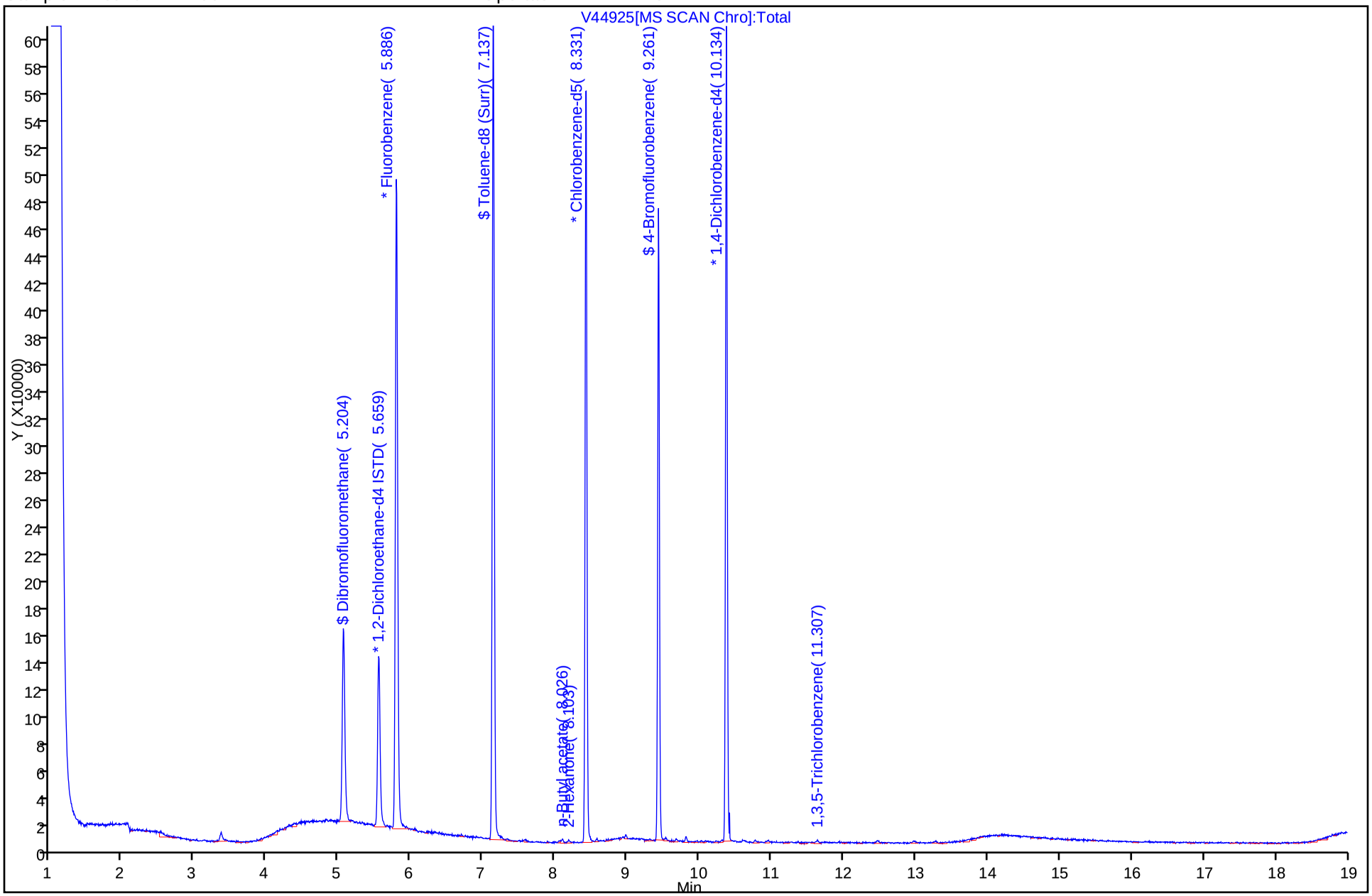
Inj Date: 12-Sep-2009 14:06:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48878 Lims Sample ID: 6

Client ID: Instrument: HP #1 GC/MS

Sample Info: MB 360-48877/3-A

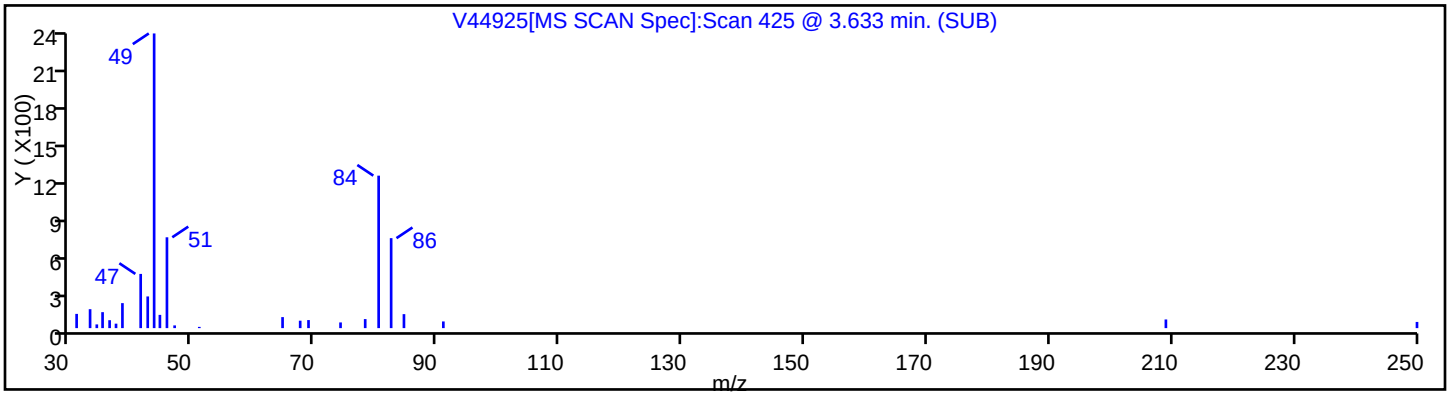
Sample Amount: 1.00 Operator: CR



Report Date: 14-Sep-2009 08:59:23 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44925.D		
Inj Date:	12-Sep-2009 14:06:30	Limit Group:	VMS - 8260 VOA Calibration
Lims Batch ID:	48878	Lims Sample ID:	6
Client ID:		Instrument:	HP #1 GC/MS
Sample Info:	MB 360-48877/3-A		
Sample Amount:	1.00	Operator:	CR

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48975/3-A

Matrix: Solid | Lab File ID: V45019.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/15/2009 17:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48976 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.0
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	1.0
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.0
75-35-4	1,1-Dichloroethene	ND		2.5	1.0
563-58-6	1,1-Dichloropropene	ND		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.0
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
67-64-1	Acetone	ND		250	18
78-87-5	1,2-Dichloropropane	ND		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.0
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
123-91-1	1,4-Dioxane	ND		250	33
594-20-7	2,2-Dichloropropane	ND		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	ND		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	ND		5.0	1.0
95-49-8	2-Chlorotoluene	ND		2.5	1.0
591-78-6	2-Hexanone	ND		25	5.1
106-43-4	4-Chlorotoluene	ND		2.5	1.0
71-43-2	Benzene	ND		2.5	1.0
108-86-1	Bromobenzene	ND		2.5	1.0
74-97-5	Chlorobromomethane	ND		2.5	1.0
75-27-4	Dichlorobromomethane	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.0
74-83-9	Bromomethane	ND		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48975/3-A

Matrix: Solid | Lab File ID: V45019.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/15/2009 17:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48976 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	ND		2.5	1.0
75-15-0	Carbon disulfide	ND		2.5	1.0
56-23-5	Carbon tetrachloride	ND		2.5	1.0
108-90-7	Chlorobenzene	ND		2.5	1.0
75-00-3	Chloroethane	ND		5.0	1.0
67-66-3	Chloroform	ND		2.5	1.0
74-87-3	Chloromethane	ND		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
110-82-7	Cyclohexane	ND		25	2.6
124-48-1	Chlorodibromomethane	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.0
75-71-8	Dichlorodifluoromethane	ND		5.0	1.0
60-29-7	Ethyl ether	ND		2.5	1.0
108-20-3	Isopropyl ether	ND		2.5	1.0
637-92-3	Tert-butyl ethyl ether	ND		2.5	2.5
100-41-4	Ethylbenzene	ND		2.5	1.0
87-68-3	Hexachlorobutadiene	ND		2.5	1.0
98-82-8	Isopropylbenzene	ND		2.5	1.0
79-20-9	Methyl acetate	ND		50	16
78-93-3	2-Butanone (MEK)	ND		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	5.2
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.0
108-87-2	Methylcyclohexane	ND		2.5	1.0
75-09-2	Methylene Chloride	ND		10	4.8
136777-61-2	m-Xylene & p-Xylene	ND		5.0	1.0
91-20-3	Naphthalene	ND		25	1.0
103-65-1	N-Propylbenzene	ND		2.5	1.0
95-47-6	o-Xylene	ND		2.5	1.0
99-87-6	4-Isopropyltoluene	ND		2.5	1.0
135-98-8	sec-Butylbenzene	ND		2.5	1.0
100-42-5	Styrene	ND		2.5	1.0
994-05-8	Tert-amyl methyl ether	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.0
127-18-4	Tetrachloroethene	ND		2.5	1.0
109-99-9	Tetrahydrofuran	ND		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48975/3-A

Matrix: Solid | Lab File ID: V45019.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/15/2009 17:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48976 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
79-01-6	Trichloroethene	ND		2.5	1.0
75-69-4	Trichlorofluoromethane	ND		5.0	1.0
75-01-4	Vinyl chloride	ND		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	102	70-130	
1868-53-7	Dibromofluoromethane	104	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: Lab Sample ID: MB 360-48975/3-A

Matrix: Solid Lab File ID: V45019.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 09/15/2009 17:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48976 Units: ug/Kg

Number TICs Found: 0 TIC Result Total: 0

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

FORM I-TIC 8260B

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45019.D		
Lims ID:	MB 360-48975/3-A	Client ID:	
Inject. Date:	15-Sep-2009 17:34:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-48975/3-A		
Misc. Info.:	360-0001175-006		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	48976	Lims Sample ID:	6
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\WES1SOIL.m		
Last Update:	16-Sep-2009 08:35:55	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 16-Sep-2009 08:37:27

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85		1.645				1
2 Chloromethane	50		1.831				79
3 Vinyl chloride	62		1.934				1
4 Bromomethane	94		2.291				1
5 Chloroethane	64		2.430				1
6 Trichlorofluoromethane	101		2.559				1
7 Ethyl ether	59		2.880				1
8 1,1-Dichloroethene	96		3.071				1
10 Carbon disulfide	76		3.086				7
9 Ethanol	45		3.086				79
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.148				1
12 Acrolein	56		3.412				
13 Isopropyl alcohol	45		3.572				
14 Methylene Chloride	84	3.638	3.645	-0.006	11526	0.5172	
15 Acetone	43		3.696				7
16 trans-1,2-Dichloroethene	61		3.789				1
17 Methyl acetate	43		3.815				1
18 Hexane	57		3.867				479
19 Methyl tert-butyl ether	73		3.898				1
20 2-Methyl-2-propanol	59		3.991				
21 Isopropyl ether	45		4.244				1
22 1,1-Dichloroethane	63		4.353				1
23 Acrylonitrile	53		4.415				479
24 Tert-butyl ethyl ether	59		4.564				1
25 Vinyl acetate	43		4.585				1
26 cis-1,2-Dichloroethene	61		4.823				1
27 2,2-Dichloropropane	77		4.921				1
28 Cyclohexane	56		4.993				1
29 Chlorobromomethane	130		4.998				1
30 Chloroform	83		5.061				1
31 Ethyl acetate	43		5.169				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117		5.174				1
33 Tetrahydrofuran	42		5.195				
34 sec-Butyl Alcohol	45		5.205				1
$ 35 Dibromofluoromethane	113	5.215	5.216	-0.001	104994	20.8	
36 1,1,1-Trichloroethane	97		5.236				1
37 2-Butanone (MEK)	43		5.334				1
38 1,1-Dichloropropene	75		5.340				1
39 n-Heptane	43		5.515				1
40 Benzene	78		5.557				7
41 Tert-amyl methyl ether	73		5.650				1
* 42 1,2-Dichloroethane-d4 ISTD	102	5.669	5.670	-0.001	19147	20.0	
43 1,2-Dichloroethane	62		5.727				479
* 44 Fluorobenzene	96	5.892	5.898	-0.006	432696	20.0	
45 2,4,4-Trimethyl-1-pentene	55		5.924				
46 Isopropyl acetate	43		5.924				1
47 Methylcyclohexane	83		6.022				1
48 Trichloroethene	95		6.032				1
49 2,4,4-Trimethyl-2-pentene	112		6.058				1
50 Dibromomethane	93		6.373				1
51 1,2-Dichloropropane	63		6.456				1
52 Dichlorobromomethane	83		6.497				1
53 Methyl methacrylate	69		6.621				1
54 1,4-Dioxane	88		6.668				1
55 n-Propyl acetate	43		6.730				1
56 2-Chloroethyl vinyl ether	63		6.947				1
57 cis-1,3-Dichloropropene	75		6.998				1
$ 58 Toluene-d8 (Surr)	98	7.137	7.143	-0.006	387254	20.2	
59 Toluene	92		7.185				1
60 Tetrachloroethene	164		7.474				1
61 4-Methyl-2-pentanone (MIBK)	43		7.474				1
62 trans-1,3-Dichloropropene	75		7.500				1
63 Isobutyl acetate	43		7.562				
64 1,1,2-Trichloroethane	83		7.624				1
65 Chlorodibromomethane	129		7.763				1
66 1,3-Dichloropropane	76		7.836				1
67 Ethylene Dibromide	107		7.949				1
68 n-Butyl acetate	43	8.026	8.032	-0.006	2604	0.3647	
69 2-Hexanone	43	8.109	8.110	-0.001	1947	0.3199	
* 70 Chlorobenzene-d5	117	8.331	8.337	-0.006	263169	20.0	
71 Chlorobenzene	112		8.347				479
72 Ethylbenzene	91		8.363				1
73 1,1,1,2-Tetrachloroethane	131		8.394				1
74 m-Xylene & p-Xylene	91		8.471				1
75 o-Xylene	91		8.807				1
76 Styrene	104		8.843				1
77 Bromoform	173		8.869				1
78 Isopropylbenzene	105		9.045				1
$ 80 4-Bromofluorobenzene	95	9.266	9.267	-0.001	153439	20.3	
$ 79 BFB	95	9.266	9.273	-0.007	153314		
81 Bromobenzene	77		9.355				1
82 N-Propylbenzene	91		9.365				1
83 1,1,2,2-Tetrachloroethane	83		9.417				1

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91		9.495				1
85 1,3,5-Trimethylbenzene	105		9.515				1
86 1,2,3-Trichloropropane	110		9.531				1
87 trans-1,4-Dichloro-2-butene	53		9.557				1
88 4-Chlorotoluene	91		9.619				1
89 tert-Butylbenzene	119		9.763				1
90 1,2,4-Trimethylbenzene	105		9.820				1
91 sec-Butylbenzene	105		9.903				1
92 4-Isopropyltoluene	119		10.011				1
93 1,3-Dichlorobenzene	146		10.084				479
* 94 1,4-Dichlorobenzene-d4	152	10.140	10.141	-0.001	131708	20.0	
95 1,4-Dichlorobenzene	146		10.156				479
96 n-Butylbenzene	91		10.358				1
97 1,2-Dichlorobenzene	146		10.513				1
98 1,2-Dibromo-3-Chloropropane	157		11.288				1
99 1,3,5-Trichlorobenzene	180	11.313	11.314	-0.001	421	0.0494	
100 Hexachlorobutadiene	225		12.042				1
101 1,2,4-Trichlorobenzene	180		12.089				1
102 Naphthalene	128	12.558	12.559	-0.001	1205	0.1421	
103 1,2,3-Trichlorobenzene	180		12.833				1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 16-Sep-2009 08:37:27 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45019.D

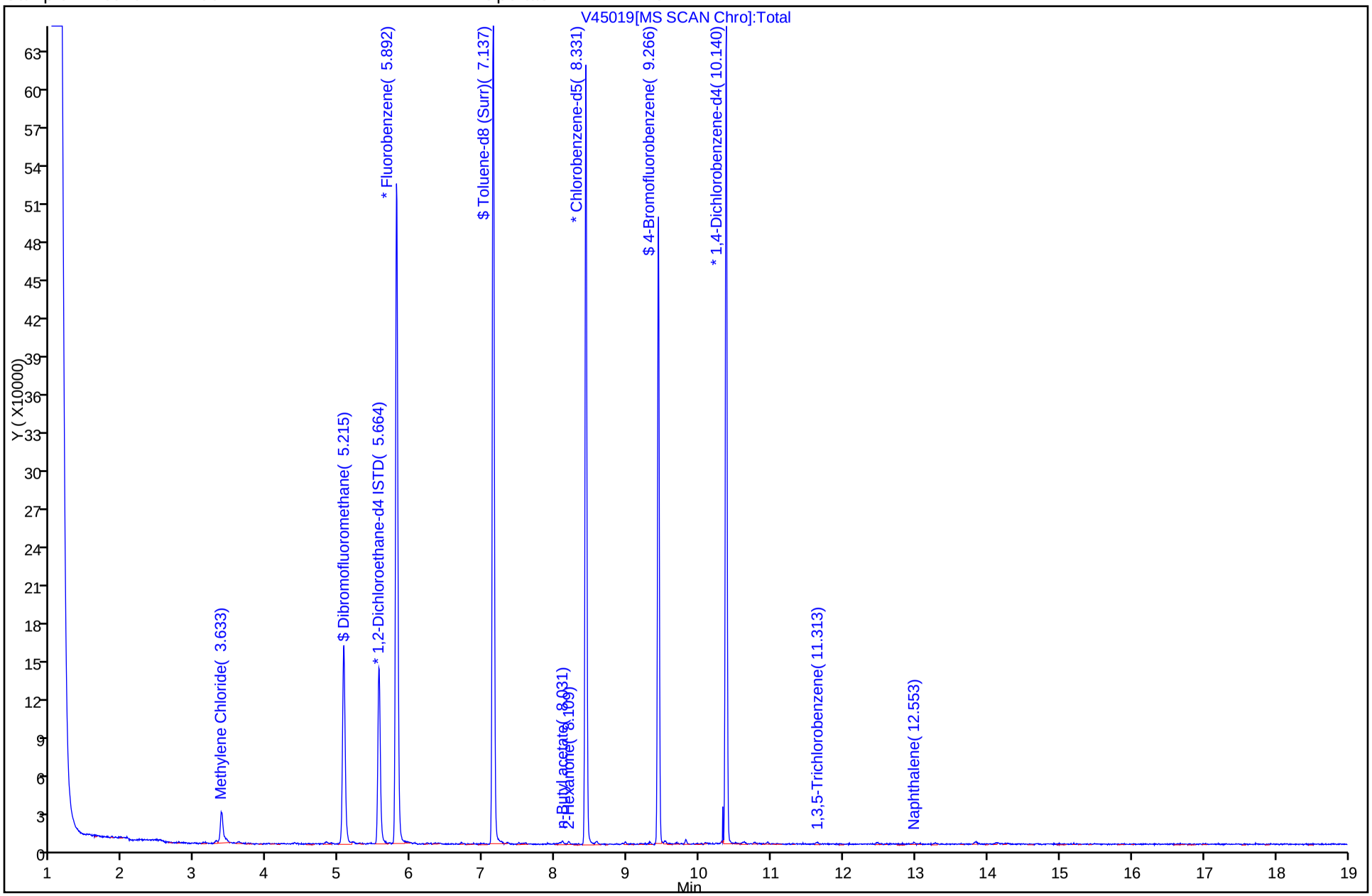
Inj Date: 15-Sep-2009 17:34:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48976 Lims Sample ID: 6

Client ID: Instrument: HP #1 GC/MS

Sample Info: MB 360-48975/3-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48710/1-A

Matrix: Solid | Lab File ID: V44799.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/08/2009 20:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	105		2.5	1.0
71-55-6	1,1,1-Trichloroethane	95.2		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	89.3		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	94.7		12	1.0
79-00-5	1,1,2-Trichloroethane	89.6		2.5	1.0
75-34-3	1,1-Dichloroethane	104		2.5	1.0
75-35-4	1,1-Dichloroethene	100		2.5	1.0
563-58-6	1,1-Dichloropropene	94.7		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	100		2.5	1.0
96-18-4	1,2,3-Trichloropropane	107		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	99.7		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	100		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	87.3		25	1.8
106-93-4	Ethylene Dibromide	90.7		2.5	1.0
95-50-1	1,2-Dichlorobenzene	95.8		2.5	1.0
107-06-2	1,2-Dichloroethane	93.0		2.5	1.0
67-64-1	Acetone	840		250	18
78-87-5	1,2-Dichloropropane	107		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	104		2.5	1.0
541-73-1	1,3-Dichlorobenzene	101		2.5	1.0
142-28-9	1,3-Dichloropropane	92.1		2.5	1.0
106-46-7	1,4-Dichlorobenzene	98.0		2.5	1.0
123-91-1	1,4-Dioxane	974		250	33
594-20-7	2,2-Dichloropropane	110		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	111		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	100		5.0	1.0
95-49-8	2-Chlorotoluene	101		2.5	1.0
591-78-6	2-Hexanone	802		25	5.1
106-43-4	4-Chlorotoluene	104		2.5	1.0
71-43-2	Benzene	98.0		2.5	1.0
108-86-1	Bromobenzene	98.9		2.5	1.0
74-97-5	Chlorobromomethane	94.4		2.5	1.0
75-27-4	Dichlorobromomethane	94.5		2.5	1.0
75-25-2	Bromoform	85.7		2.5	1.0
74-83-9	Bromomethane	102		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48710/1-A

Matrix: Solid | Lab File ID: V44799.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/08/2009 20:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	100		2.5	1.0
75-15-0	Carbon disulfide	98.4		2.5	1.0
56-23-5	Carbon tetrachloride	95.2		2.5	1.0
108-90-7	Chlorobenzene	101		2.5	1.0
75-00-3	Chloroethane	105		5.0	1.0
67-66-3	Chloroform	103		2.5	1.0
74-87-3	Chloromethane	96.4		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	98.8		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	93.0		2.5	1.0
110-82-7	Cyclohexane	101		25	2.6
124-48-1	Chlorodibromomethane	90.5		2.5	1.0
74-95-3	Dibromomethane	91.2		2.5	1.0
75-71-8	Dichlorodifluoromethane	61.0		5.0	1.0
60-29-7	Ethyl ether	101		2.5	1.0
108-20-3	Isopropyl ether	94.6		2.5	1.0
637-92-3	Tert-butyl ethyl ether	94.6		2.5	2.5
100-41-4	Ethylbenzene	107		2.5	1.0
87-68-3	Hexachlorobutadiene	98.6		2.5	1.0
98-82-8	Isopropylbenzene	103		2.5	1.0
79-20-9	Methyl acetate	1070		50	16
78-93-3	2-Butanone (MEK)	861		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	847		25	5.2
1634-04-4	Methyl tert-butyl ether	89.4		2.5	1.0
108-87-2	Methylcyclohexane	101		2.5	1.0
75-09-2	Methylene Chloride	104		10	4.8
136777-61-2	m-Xylene & p-Xylene	201		5.0	1.0
91-20-3	Naphthalene	90.9		25	1.0
103-65-1	N-Propylbenzene	103		2.5	1.0
95-47-6	o-Xylene	102		2.5	1.0
99-87-6	4-Isopropyltoluene	106		2.5	1.0
135-98-8	sec-Butylbenzene	103		2.5	1.0
100-42-5	Styrene	100		2.5	1.0
994-05-8	Tert-amyl methyl ether	93.6		2.5	1.0
98-06-6	tert-Butylbenzene	106		2.5	1.0
127-18-4	Tetrachloroethene	99.6		2.5	1.0
109-99-9	Tetrahydrofuran	970		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48710/1-A

Matrix: Solid | Lab File ID: V44799.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/08/2009 20:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	100		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	95.2		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	92.4		2.5	1.0
79-01-6	Trichloroethene	98.1		2.5	1.0
75-69-4	Trichlorofluoromethane	93.1		5.0	1.0
75-01-4	Vinyl chloride	97.8		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	101	70-130	
1868-53-7	Dibromofluoromethane	98	70-130	
2037-26-5	Toluene-d8 (Surr)	100	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44799.D		
Lims ID:	LCS 360-48710/1-A	Client ID:	
Inject. Date:	08-Sep-2009 20:26:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 360-48710/1-A		
Misc. Info.:	360-0001108-003		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	48711	Lims Sample ID:	3
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:47:20	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 09-Sep-2009 10:51:54

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.637	1.639	-0.002	138928	12.2	M
2 Chloromethane	50	1.818	1.819	-0.001	383318	19.3	
3 Vinyl chloride	62	1.916	1.922	-0.006	272489	19.6	
4 Bromomethane	94	2.268	2.269	-0.001	143397	20.4	
5 Chloroethane	64	2.397	2.403	-0.006	160152	21.1	
6 Trichlorofluoromethane	101	2.547	2.553	-0.006	227690	18.6	
7 Ethyl ether	59	2.867	2.868	-0.001	115518	20.1	
8 1,1-Dichloroethene	96	3.059	3.065	-0.006	144820	20.0	
9 Ethanol	45	3.069	3.070	-0.001	26772	684.6	
10 Carbon disulfide	76	3.074	3.080	-0.006	646907	19.7	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.126	3.132	-0.006	83088	18.9	
12 Acrolein	56	3.400	3.400	0.000	789219	1032.1	
13 Isopropyl alcohol	45	3.549	3.556	-0.007	232753	947.5	
14 Methylene Chloride	84	3.622	3.628	-0.006	171701	20.9	
15 Acetone	43	3.679	3.685	-0.006	208531	168.1	
16 trans-1,2-Dichloroethene	61	3.772	3.778	-0.006	316940	19.0	
17 Methyl acetate	43	3.798	3.804	-0.006	733531	213.6	
18 Hexane	57	3.849	3.855	-0.006	397333	19.7	
19 Methyl tert-butyl ether	73	3.880	3.886	-0.006	295137	17.9	
20 2-Methyl-2-propanol	59	3.968	3.974	-0.006	75611	202.1	
21 Isopropyl ether	45	4.221	4.227	-0.006	888223	18.9	
22 1,1-Dichloroethane	63	4.335	4.341	-0.006	365656	20.9	
23 Acrylonitrile	53	4.397	4.403	-0.006	29140	19.0	
24 Tert-butyl ethyl ether	59	4.542	4.553	-0.011	533176	18.9	
25 Vinyl acetate	43	4.562	4.568	-0.006	2284288	168.5	
26 cis-1,2-Dichloroethene	61	4.805	4.811	-0.006	287014	19.8	
27 2,2-Dichloropropane	77	4.903	4.910	-0.007	240344	21.9	
28 Cyclohexane	56	4.971	4.977	-0.006	421749	20.2	
29 Chlorobromomethane	130	4.976	4.982	-0.006	61815	18.9	
30 Chloroform	83	5.038	5.044	-0.006	283562	20.6	
31 Ethyl acetate	43	5.152	5.158	-0.006	906057	195.8	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117	5.157	5.163	-0.006	164355	19.0	
33 Tetrahydrofuran	42	5.172	5.178	-0.006	320131	194.0	
34 sec-Butyl Alcohol	45	5.183	5.189	-0.006	438353	976.0	
$ 35 Dibromofluoromethane	113	5.198	5.204	-0.006	107916	19.6	
36 1,1,1-Trichloroethane	97	5.219	5.225	-0.006	234634	19.0	
37 2-Butanone (MEK)	43	5.312	5.318	-0.006	368285	172.3	
38 1,1-Dichloropropene	75	5.322	5.328	-0.006	223242	18.9	
39 n-Heptane	43	5.493	5.499	-0.006	431254	20.5	
40 Benzene	78	5.534	5.540	-0.006	624955	19.6	
41 Tert-amyl methyl ether	73	5.627	5.633	-0.006	336719	18.7	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.653	5.659	-0.006	19516	20.0	
43 1,2-Dichloroethane	62	5.710	5.711	-0.001	142773	18.6	
* 44 Fluorobenzene	96	5.880	5.886	-0.006	472049	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.901	5.907	-0.006	177178	22.2	
46 Isopropyl acetate	43	5.906	5.912	-0.006	1945576	198.6	
47 Methylcyclohexane	83	6.004	6.010	-0.006	299887	20.3	
48 Trichloroethene	95	6.009	6.015	-0.006	140562	19.6	
49 2,4,4-Trimethyl-2-pentene	112	6.040	6.046	-0.006	88733	20.1	
50 Dibromomethane	93	6.356	6.362	-0.006	51384	18.2	
51 1,2-Dichloropropane	63	6.438	6.444	-0.006	141604	21.3	
52 Dichlorobromomethane	83	6.480	6.486	-0.006	154042	18.9	
53 Methyl methacrylate	69	6.604	6.610	-0.006	36691	17.6	
54 1,4-Dioxane	88	6.640	6.651	-0.011	4088	194.8	
55 n-Propyl acetate	43	6.712	6.718	-0.006	1155783	197.1	
56 2-Chloroethyl vinyl ether	63	6.929	6.935	-0.006	159939	184.9	
57 cis-1,3-Dichloropropene	75	6.981	6.987	-0.006	174526	18.6	
$ 58 Toluene-d8 (Surr)	98	7.126	7.132	-0.006	421053	20.1	
59 Toluene	92	7.167	7.173	-0.006	324174	20.0	
60 Tetrachloroethene	164	7.456	7.462	-0.006	87570	19.9	
61 4-Methyl-2-pentanone (MIBK)	43	7.456	7.462	-0.006	817098	169.4	
62 trans-1,3-Dichloropropene	75	7.482	7.488	-0.006	126760	18.5	
63 Isobutyl acetate	43	7.544	7.550	-0.006	2778520	200.9	
64 1,1,2-Trichloroethane	83	7.611	7.617	-0.006	52776	17.9	
65 Chlorodibromomethane	129	7.746	7.752	-0.006	64251	18.1	
66 1,3-Dichloropropane	76	7.823	7.829	-0.006	122998	18.4	
67 Ethylene Dibromide	107	7.937	7.943	-0.006	54041	18.1	
68 n-Butyl acetate	43	8.015	8.021	-0.006	1474086	189.2	
69 2-Hexanone	43	8.097	8.103	-0.006	482004	160.4	
* 70 Chlorobenzene-d5	117	8.319	8.325	-0.006	281506	20.0	
71 Chlorobenzene	112	8.335	8.341	-0.006	308352	20.1	
72 Ethylbenzene	91	8.350	8.356	-0.006	641359	21.4	
73 1,1,1,2-Tetrachloroethane	131	8.381	8.387	-0.006	97408	20.9	
74 m-Xylene & p-Xylene	91	8.459	8.465	-0.006	990766	40.2	
75 o-Xylene	91	8.795	8.796	-0.001	543293	20.3	
76 Styrene	104	8.831	8.837	-0.006	363216	20.0	
77 Bromoform	173	8.857	8.863	-0.006	37530	17.1	
78 Isopropylbenzene	105	9.033	9.039	-0.006	652736	20.6	
$ 80 4-Bromofluorobenzene	95	9.255	9.261	-0.006	163515	20.3	
81 Bromobenzene	77	9.343	9.349	-0.006	283859	19.8	
82 N-Propylbenzene	91	9.353	9.359	-0.006	844459	20.7	
83 1,1,2,2-Tetrachloroethane	83	9.405	9.411	-0.006	81857	17.9	
84 2-Chlorotoluene	91	9.482	9.483	-0.001	546431	20.2	

Report Date: 09-Sep-2009 10:51:54 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44799.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
85 1,3,5-Trimethylbenzene	105	9.503	9.509	-0.006	540413	20.8	
86 1,2,3-Trichloropropane	110	9.524	9.524	0.000	18776	21.5	
87 trans-1,4-Dichloro-2-butene	53	9.549	9.555	-0.006	30259	20.2	
88 4-Chlorotoluene	91	9.611	9.617	-0.006	492519	20.7	
89 tert-Butylbenzene	119	9.756	9.762	-0.006	439467	21.2	
90 1,2,4-Trimethylbenzene	105	9.808	9.814	-0.006	530646	20.0	
91 sec-Butylbenzene	105	9.896	9.897	0.000	726340	20.5	
92 4-Isopropyltoluene	119	10.004	10.010	-0.006	568162	21.2	
93 1,3-Dichlorobenzene	146	10.077	10.077	-0.001	240517	20.3	
* 94 1,4-Dichlorobenzene-d4	152	10.133	10.134	-0.001	133039	20.0	
95 1,4-Dichlorobenzene	146	10.144	10.150	-0.006	232170	19.6	
96 n-Butylbenzene	91	10.350	10.351	-0.001	614691	20.0	
97 1,2-Dichlorobenzene	146	10.505	10.506	-0.001	190132	19.2	
98 1,2-Dibromo-3-Chloropropane	157	11.281	11.287	-0.006	8940	17.5	
99 1,3,5-Trichlorobenzene	180	11.306	11.307	-0.001	183394	21.3	
100 Hexachlorobutadiene	225	12.030	12.036	-0.006	67815	19.7	
101 1,2,4-Trichlorobenzene	180	12.082	12.083	-0.001	129373	19.9	
102 Naphthalene	128	12.547	12.553	-0.006	155768	18.2	
103 1,2,3-Trichlorobenzene	180	12.821	12.827	-0.006	96016	20.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Sep-2009 10:51:54 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44799.D

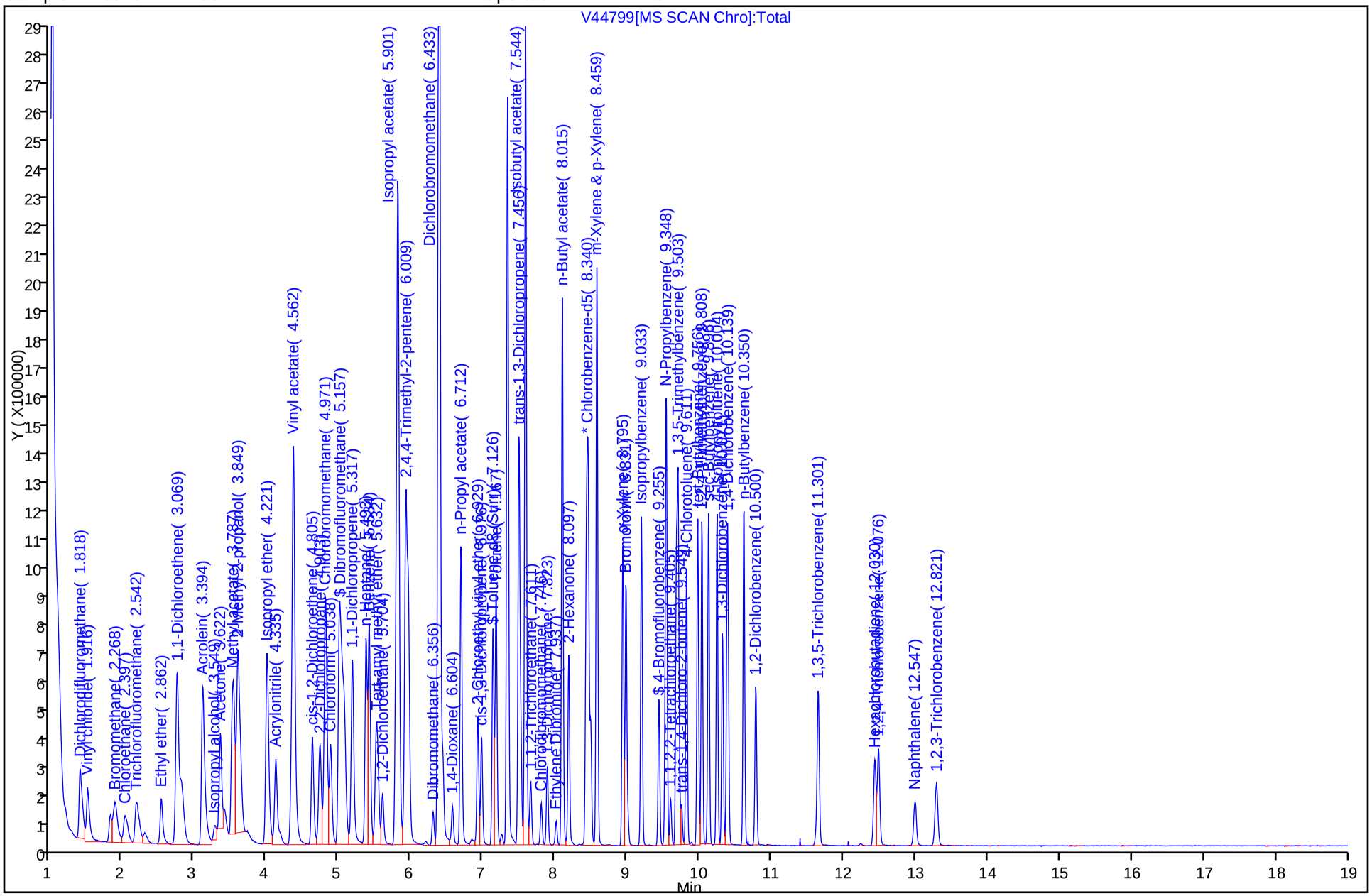
Inj Date: 08-Sep-2009 20:26:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48711 Lims Sample ID: 3

Client ID: Instrument: HP #1 GC/MS

Sample Info: LCS 360-48710/1-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48765/1-A

Matrix: Solid | Lab File ID: V44838.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/09/2009 17:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	96.3		2.5	1.0
71-55-6	1,1,1-Trichloroethane	90.5		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	89.9		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	90.6		12	1.0
79-00-5	1,1,2-Trichloroethane	92.8		2.5	1.0
75-34-3	1,1-Dichloroethane	97.2		2.5	1.0
75-35-4	1,1-Dichloroethene	94.9		2.5	1.0
563-58-6	1,1-Dichloropropene	91.0		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	101		2.5	1.0
96-18-4	1,2,3-Trichloropropane	110		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	98.9		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	91.4		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	93.9		25	1.8
106-93-4	Ethylene Dibromide	94.6		2.5	1.0
95-50-1	1,2-Dichlorobenzene	92.2		2.5	1.0
107-06-2	1,2-Dichloroethane	92.0		2.5	1.0
67-64-1	Acetone	918		250	18
78-87-5	1,2-Dichloropropane	100		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	94.0		2.5	1.0
541-73-1	1,3-Dichlorobenzene	94.1		2.5	1.0
142-28-9	1,3-Dichloropropane	91.3		2.5	1.0
106-46-7	1,4-Dichlorobenzene	93.8		2.5	1.0
123-91-1	1,4-Dioxane	923		250	33
594-20-7	2,2-Dichloropropane	105		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	104		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	95.9		5.0	1.0
95-49-8	2-Chlorotoluene	90.7		2.5	1.0
591-78-6	2-Hexanone	887		25	5.1
106-43-4	4-Chlorotoluene	93.4		2.5	1.0
71-43-2	Benzene	91.6		2.5	1.0
108-86-1	Bromobenzene	91.1		2.5	1.0
74-97-5	Chlorobromomethane	94.5		2.5	1.0
75-27-4	Dichlorobromomethane	91.8		2.5	1.0
75-25-2	Bromoform	86.1		2.5	1.0
74-83-9	Bromomethane	98.6		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48765/1-A

Matrix: Solid | Lab File ID: V44838.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/09/2009 17:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	94.7		2.5	1.0
75-15-0	Carbon disulfide	92.1		2.5	1.0
56-23-5	Carbon tetrachloride	90.4		2.5	1.0
108-90-7	Chlorobenzene	93.4		2.5	1.0
75-00-3	Chloroethane	95.9		5.0	1.0
67-66-3	Chloroform	95.4		2.5	1.0
74-87-3	Chloromethane	89.5		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	92.7		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	89.9		2.5	1.0
110-82-7	Cyclohexane	97.8		25	2.6
124-48-1	Chlorodibromomethane	88.6		2.5	1.0
74-95-3	Dibromomethane	89.7		2.5	1.0
75-71-8	Dichlorodifluoromethane	61.0		5.0	1.0
60-29-7	Ethyl ether	103		2.5	1.0
108-20-3	Isopropyl ether	91.8		2.5	1.0
637-92-3	Tert-butyl ethyl ether	94.7		2.5	2.5
100-41-4	Ethylbenzene	95.6		2.5	1.0
87-68-3	Hexachlorobutadiene	93.3		2.5	1.0
98-82-8	Isopropylbenzene	94.4		2.5	1.0
79-20-9	Methyl acetate	1070		50	16
78-93-3	2-Butanone (MEK)	930		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	920		25	5.2
1634-04-4	Methyl tert-butyl ether	92.4		2.5	1.0
108-87-2	Methylcyclohexane	99.8		2.5	1.0
75-09-2	Methylene Chloride	102		10	4.8
136777-61-2	m-Xylene & p-Xylene	182		5.0	1.0
91-20-3	Naphthalene	95.1		25	1.0
103-65-1	N-Propylbenzene	93.8		2.5	1.0
95-47-6	o-Xylene	91.4		2.5	1.0
99-87-6	4-Isopropyltoluene	99.2		2.5	1.0
135-98-8	sec-Butylbenzene	95.6		2.5	1.0
100-42-5	Styrene	92.3		2.5	1.0
994-05-8	Tert-amyl methyl ether	96.6		2.5	1.0
98-06-6	tert-Butylbenzene	97.2		2.5	1.0
127-18-4	Tetrachloroethene	96.0		2.5	1.0
109-99-9	Tetrahydrofuran	1030		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48765/1-A

Matrix: Solid | Lab File ID: V44838.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/09/2009 17:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	93.1		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	88.3		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	92.8		2.5	1.0
79-01-6	Trichloroethene	93.5		2.5	1.0
75-69-4	Trichlorofluoromethane	91.9		5.0	1.0
75-01-4	Vinyl chloride	91.8		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	97	70-130	
1868-53-7	Dibromofluoromethane	100	70-130	
2037-26-5	Toluene-d8 (Surr)	99	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44838.D		
Lims ID:	LCS 360-48765/1-A	Client ID:	
Inject. Date:	09-Sep-2009 17:06:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 360-48765/1-A		
Misc. Info.:	360-0001122-003		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	48767	Lims Sample ID:	3
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\WES1SOIL.m		
Last Update:	10-Sep-2009 11:16:41	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 10-Sep-2009 11:17:40

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.629	1.629	0.000	143356	12.2	M
2 Chloromethane	50	1.815	1.810	0.005	368196	17.9	
3 Vinyl chloride	62	1.913	1.908	0.005	264569	18.4	
4 Bromomethane	94	2.260	2.254	0.006	143126	19.7	
5 Chloroethane	64	2.399	2.394	0.005	151545	19.2	
6 Trichlorofluoromethane	101	2.539	2.533	0.006	231850	18.4	
7 Ethyl ether	59	2.859	2.854	0.005	121597	20.5	
8 1,1-Dichloroethene	96	3.050	3.045	0.005	141917	19.0	
9 Ethanol	45	3.061	3.050	0.011	30143	750.5	
10 Carbon disulfide	76	3.066	3.060	0.006	623999	18.4	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.117	3.117	0.000	81918	18.1	
13 Isopropyl alcohol	45	3.546	3.541	0.005	250849	991.3	
14 Methylene Chloride	84	3.619	3.613	0.006	172806	20.3	
15 Acetone	43	3.676	3.665	0.011	234394	183.7	
16 trans-1,2-Dichloroethene	61	3.769	3.763	0.006	302911	17.7	
17 Methyl acetate	43	3.794	3.789	0.005	756651	213.7	
18 Hexane	57	3.846	3.841	0.005	409694	19.8	
19 Methyl tert-butyl ether	73	3.877	3.872	0.005	314454	18.5	
20 2-Methyl-2-propanol	59	3.970	3.970	0.000	72342	175.9	
21 Isopropyl ether	45	4.218	4.213	0.005	888621	18.4	
22 1,1-Dichloroethane	63	4.332	4.327	0.005	351384	19.4	
23 Acrylonitrile	53	4.389	4.383	0.006	31215	19.7	
24 Tert-butyl ethyl ether	59	4.539	4.538	0.001	549928	18.9	
25 Vinyl acetate	43	4.559	4.554	0.005	2448893	175.2	
26 cis-1,2-Dichloroethene	61	4.802	4.797	0.005	277614	18.5	
27 2,2-Dichloropropane	77	4.900	4.895	0.005	238990	21.1	
28 Cyclohexane	56	4.968	4.967	0.001	420805	19.6	
29 Chlorobromomethane	130	4.973	4.973	0.000	63785	18.9	
30 Chloroform	83	5.035	5.035	0.000	271311	19.1	
31 Ethyl acetate	43	5.148	5.143	0.005	1000250	209.7	
32 Carbon tetrachloride	117	5.148	5.148	0.000	160831	18.1	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
33 Tetrahydrofuran	42	5.169	5.164	0.005	350341	206.1	
34 sec-Butyl Alcohol	45	5.179	5.179	0.000	488411	1054.9	
$ 35 Dibromofluoromethane	113	5.195	5.190	0.005	113342	20.0	
36 1,1,1-Trichloroethane	97	5.216	5.210	0.006	229790	18.1	
37 2-Butanone (MEK)	43	5.309	5.308	0.001	409488	186.0	
38 1,1-Dichloropropene	75	5.319	5.314	0.005	220939	18.2	
39 n-Heptane	43	5.489	5.489	0.000	437945	20.2	
40 Benzene	78	5.531	5.531	0.000	602603	18.3	
41 Tert-amyl methyl ether	73	5.624	5.624	0.000	358242	19.3	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.645	5.644	0.000	21452	20.0	
43 1,2-Dichloroethane	62	5.701	5.701	0.000	145591	18.4	
* 44 Fluorobenzene	96	5.877	5.872	0.005	486594	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.898	5.898	0.000	172874	20.9	
46 Isopropyl acetate	43	5.903	5.903	0.000	2124420	210.4	
47 Methylcyclohexane	83	6.001	5.996	0.005	304706	20.0	
48 Trichloroethene	95	6.006	6.006	0.000	137998	18.7	
49 2,4,4-Trimethyl-2-pentene	112	6.037	6.032	0.005	87352	19.2	
50 Dibromomethane	93	6.353	6.352	0.000	52118	17.9	
51 1,2-Dichloropropane	63	6.435	6.435	0.000	137747	20.1	
52 Dichlorobromomethane	83	6.477	6.476	0.001	154248	18.4	
53 Methyl methacrylate	69	6.606	6.600	0.006	39505	18.4	
54 1,4-Dioxane	88	6.647	6.642	0.005	4260	184.6	
55 n-Propyl acetate	43	6.714	6.709	0.005	1261650	208.7	
56 2-Chloroethyl vinyl ether	63	6.926	6.926	0.000	287541	309.4	
57 cis-1,3-Dichloropropene	75	6.978	6.973	0.005	173806	18.0	
$ 58 Toluene-d8 (Surr)	98	7.123	7.122	0.001	428832	19.8	
59 Toluene	92	7.164	7.164	0.000	310912	18.6	
60 Tetrachloroethene	164	7.453	7.453	0.000	86989	19.2	
61 4-Methyl-2-pentanone (MIBK)	43	7.453	7.453	0.000	914401	183.9	
62 trans-1,3-Dichloropropene	75	7.479	7.479	0.000	131338	18.6	
63 Isobutyl acetate	43	7.541	7.541	0.000	2985662	209.5	
64 1,1,2-Trichloroethane	83	7.603	7.608	-0.005	56338	18.6	
65 Chlorodibromomethane	129	7.743	7.743	0.000	64847	17.7	
66 1,3-Dichloropropane	76	7.820	7.820	0.000	125702	18.3	
67 Ethylene Dibromide	107	7.934	7.934	0.000	58069	18.9	
68 n-Butyl acetate	43	8.011	8.011	0.000	1617507	201.4	
69 2-Hexanone	43	8.094	8.094	0.000	549006	177.3	
* 70 Chlorobenzene-d5	117	8.316	8.316	0.000	302398	20.0	
71 Chlorobenzene	112	8.332	8.332	0.000	307303	18.7	
72 Ethylbenzene	91	8.347	8.347	0.000	616619	19.1	
73 1,1,1,2-Tetrachloroethane	131	8.378	8.378	0.000	96562	19.3	
74 m-Xylene & p-Xylene	91	8.456	8.456	0.000	962457	36.4	
75 o-Xylene	91	8.787	8.792	-0.005	524465	18.3	
76 Styrene	104	8.828	8.833	-0.005	359865	18.5	
77 Bromoform	173	8.854	8.854	0.000	39955	17.2	
78 Isopropylbenzene	105	9.029	9.029	0.000	642341	18.9	
$ 80 4-Bromofluorobenzene	95	9.252	9.252	0.000	168717	19.5	
81 Bromobenzene	77	9.340	9.339	0.001	280903	18.2	
82 N-Propylbenzene	91	9.350	9.350	0.000	823059	18.8	
83 1,1,2,2-Tetrachloroethane	83	9.402	9.401	0.001	87296	18.0	
84 2-Chlorotoluene	91	9.474	9.479	-0.005	526117	18.1	
85 1,3,5-Trimethylbenzene	105	9.500	9.500	0.000	525771	18.8	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
86 1,2,3-Trichloropropane	110	9.515	9.520	-0.005	20670	22.0	
87 trans-1,4-Dichloro-2-butene	53	9.541	9.546	-0.005	32959	20.5	
88 4-Chlorotoluene	91	9.603	9.608	-0.005	476976	18.7	
89 tert-Butylbenzene	119	9.748	9.753	-0.005	432618	19.4	
90 1,2,4-Trimethylbenzene	105	9.805	9.805	0.000	520200	18.3	
91 sec-Butylbenzene	105	9.887	9.892	-0.005	727756	19.1	
92 4-Isopropyltoluene	119	9.996	10.001	-0.005	569946	19.8	
93 1,3-Dichlorobenzene	146	10.068	10.073	-0.005	239492	18.8	
* 94 1,4-Dichlorobenzene-d4	152	10.125	10.130	-0.005	140892	20.0	
95 1,4-Dichlorobenzene	146	10.135	10.140	-0.005	235443	18.8	
96 n-Butylbenzene	91	10.342	10.347	-0.005	615438	18.9	
97 1,2-Dichlorobenzene	146	10.497	10.497	0.000	193826	18.4	
98 1,2-Dibromo-3-Chloropropane	157	11.267	11.277	-0.010	10181	18.8	
99 1,3,5-Trichlorobenzene	180	11.293	11.303	-0.010	183967	20.2	
100 Hexachlorobutadiene	225	12.022	12.032	-0.010	67963	18.7	
101 1,2,4-Trichlorobenzene	180	12.068	12.078	-0.010	135822	19.8	
102 Naphthalene	128	12.533	12.544	-0.011	172663	19.0	
103 1,2,3-Trichlorobenzene	180	12.812	12.823	-0.011	102404	20.2	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 10-Sep-2009 11:17:40 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44838.D

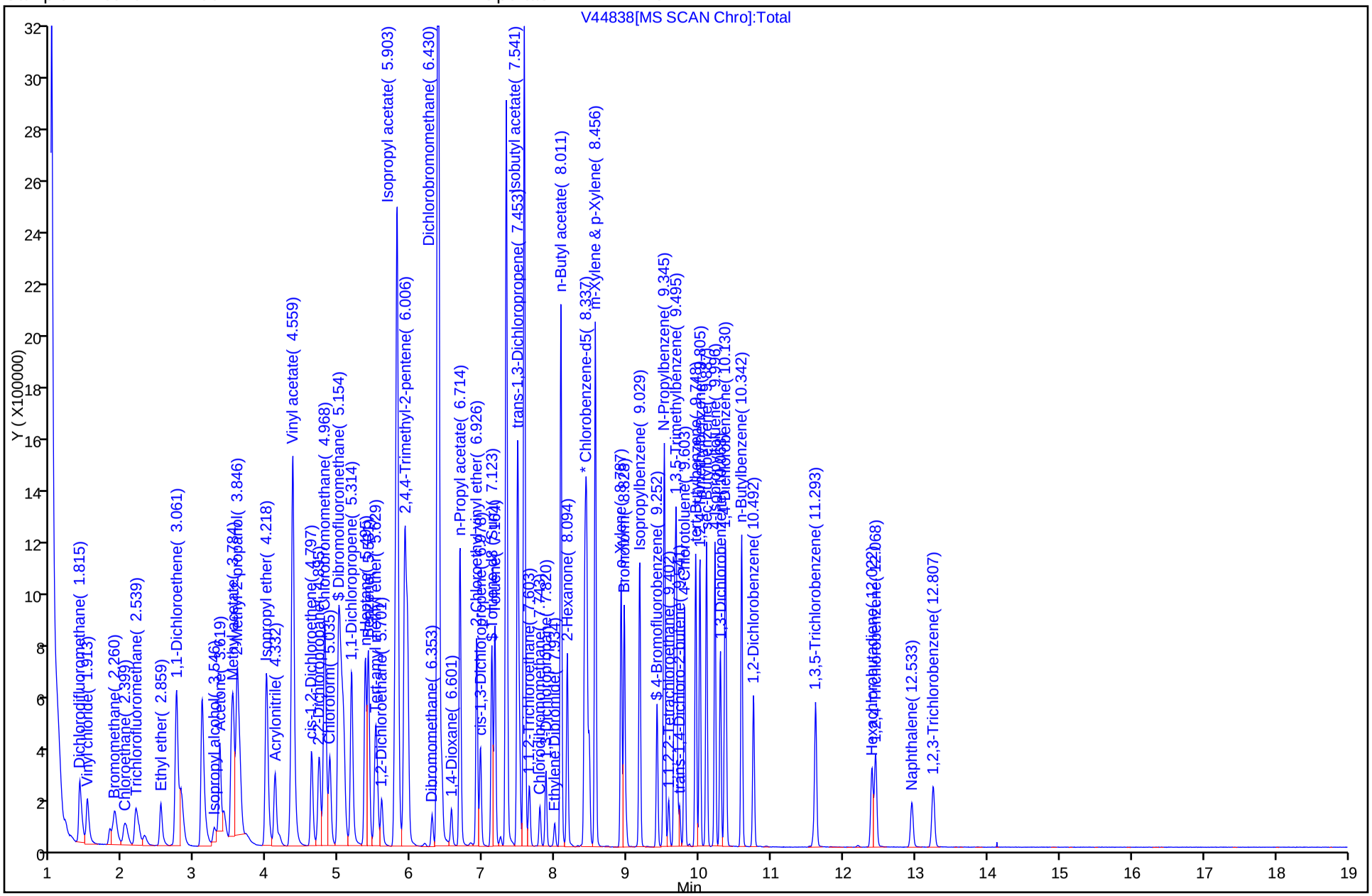
Inj Date: 09-Sep-2009 17:06:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48767 Lims Sample ID: 3

Client ID: Instrument: HP #1 GC/MS

Sample Info: LCS 360-48765/1-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48877/1-A

Matrix: Solid | Lab File ID: V44922.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/12/2009 12:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	96.9		2.5	1.0
71-55-6	1,1,1-Trichloroethane	87.9		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	87.2		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	88.3		12	1.0
79-00-5	1,1,2-Trichloroethane	91.3		2.5	1.0
75-34-3	1,1-Dichloroethane	95.0		2.5	1.0
75-35-4	1,1-Dichloroethene	95.1		2.5	1.0
563-58-6	1,1-Dichloropropene	90.0		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	99.1		2.5	1.0
96-18-4	1,2,3-Trichloropropane	107		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	99.0		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	92.0		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	90.6		25	1.8
106-93-4	Ethylene Dibromide	93.3		2.5	1.0
95-50-1	1,2-Dichlorobenzene	93.0		2.5	1.0
107-06-2	1,2-Dichloroethane	89.2		2.5	1.0
67-64-1	Acetone	922		250	18
78-87-5	1,2-Dichloropropane	102		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	95.5		2.5	1.0
541-73-1	1,3-Dichlorobenzene	92.5		2.5	1.0
142-28-9	1,3-Dichloropropane	89.5		2.5	1.0
106-46-7	1,4-Dichlorobenzene	93.6		2.5	1.0
123-91-1	1,4-Dioxane	861		250	33
594-20-7	2,2-Dichloropropane	103		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	102		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	95.3		5.0	1.0
95-49-8	2-Chlorotoluene	91.7		2.5	1.0
591-78-6	2-Hexanone	811		25	5.1
106-43-4	4-Chlorotoluene	93.1		2.5	1.0
71-43-2	Benzene	91.3		2.5	1.0
108-86-1	Bromobenzene	89.3		2.5	1.0
74-97-5	Chlorobromomethane	90.2		2.5	1.0
75-27-4	Dichlorobromomethane	89.3		2.5	1.0
75-25-2	Bromoform	84.9		2.5	1.0
74-83-9	Bromomethane	94.5		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48877/1-A

Matrix: Solid | Lab File ID: V44922.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/12/2009 12:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	97.5		2.5	1.0
75-15-0	Carbon disulfide	91.6		2.5	1.0
56-23-5	Carbon tetrachloride	90.9		2.5	1.0
108-90-7	Chlorobenzene	95.6		2.5	1.0
75-00-3	Chloroethane	90.6		5.0	1.0
67-66-3	Chloroform	95.3		2.5	1.0
74-87-3	Chloromethane	83.1		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	90.4		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	89.6		2.5	1.0
110-82-7	Cyclohexane	88.6		25	2.6
124-48-1	Chlorodibromomethane	87.8		2.5	1.0
74-95-3	Dibromomethane	91.1		2.5	1.0
75-71-8	Dichlorodifluoromethane	57.8		5.0	1.0
60-29-7	Ethyl ether	96.8		2.5	1.0
108-20-3	Isopropyl ether	88.4		2.5	1.0
637-92-3	Tert-butyl ethyl ether	90.9		2.5	2.5
100-41-4	Ethylbenzene	98.8		2.5	1.0
87-68-3	Hexachlorobutadiene	96.0		2.5	1.0
98-82-8	Isopropylbenzene	96.3		2.5	1.0
79-20-9	Methyl acetate	1040		50	16
78-93-3	2-Butanone (MEK)	842		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	849		25	5.2
1634-04-4	Methyl tert-butyl ether	87.2		2.5	1.0
108-87-2	Methylcyclohexane	91.2		2.5	1.0
75-09-2	Methylene Chloride	94.1		10	4.8
136777-61-2	m-Xylene & p-Xylene	187		5.0	1.0
91-20-3	Naphthalene	88.4		25	1.0
103-65-1	N-Propylbenzene	94.9		2.5	1.0
95-47-6	o-Xylene	92.9		2.5	1.0
99-87-6	4-Isopropyltoluene	99.6		2.5	1.0
135-98-8	sec-Butylbenzene	96.3		2.5	1.0
100-42-5	Styrene	92.8		2.5	1.0
994-05-8	Tert-amyl methyl ether	91.5		2.5	1.0
98-06-6	tert-Butylbenzene	98.0		2.5	1.0
127-18-4	Tetrachloroethene	98.4		2.5	1.0
109-99-9	Tetrahydrofuran	1010		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48877/1-A

Matrix: Solid | Lab File ID: V44922.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/12/2009 12:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	95.0		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	86.3		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	91.6		2.5	1.0
79-01-6	Trichloroethene	95.2		2.5	1.0
75-69-4	Trichlorofluoromethane	87.3		5.0	1.0
75-01-4	Vinyl chloride	86.8		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	96	70-130	
1868-53-7	Dibromofluoromethane	99	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44922.D		
Lims ID:	LCS 360-48877/1-A	Client ID:	
Inject. Date:	12-Sep-2009 12:55:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 360-48877/1-A		
Misc. Info.:	360-0001152-003		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	48878	Lims Sample ID:	3
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 08:52:18	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	14-Sep-2009 08:52:18
Reviewed By:	rouleauc	Date:	14-Sep-2009 08:54:05

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.644	1.640	0.004	134729	11.6	M
2 Chloromethane	50	1.825	1.821	0.004	340796	16.6	
3 Vinyl chloride	62	1.923	1.919	0.004	249236	17.4	
4 Bromomethane	94	2.279	2.276	0.003	136120	18.9	
5 Chloroethane	64	2.419	2.405	0.014	142691	18.1	
6 Trichlorofluoromethane	101	2.553	2.549	0.004	218535	17.5	
7 Ethyl ether	59	2.874	2.875	-0.001	113786	19.4	
8 1,1-Dichloroethene	96	3.065	3.066	-0.001	141116	19.0	
10 Carbon disulfide	76	3.080	3.082	-0.002	615931	18.3	
9 Ethanol	45	3.091	3.092	-0.001	46077	1172.0	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.137	3.133	0.004	79200	17.7	
12 Acrolein	56	3.411	3.407	0.004	410392	470.0	
13 Isopropyl alcohol	45	3.571	3.562	0.009	256981	1024.0	
14 Methylene Chloride	84	3.638	3.635	0.003	159239	18.8	
15 Acetone	43	3.690	3.692	-0.002	233359	184.3	
16 trans-1,2-Dichloroethene	61	3.783	3.785	-0.002	293919	17.3	
17 Methyl acetate	43	3.809	3.810	-0.001	733917	208.9	M
18 Hexane	57	3.861	3.857	0.004	369153	17.9	
19 Methyl tert-butyl ether	73	3.892	3.893	-0.001	294371	17.4	
20 2-Methyl-2-propanol	59	3.985	3.976	0.009	69593	162.9	
21 Isopropyl ether	45	4.238	4.234	0.004	849540	17.7	
22 1,1-Dichloroethane	63	4.346	4.348	-0.002	340964	19.0	
23 Acrylonitrile	53	4.403	4.405	-0.002	31151	19.8	
24 Tert-butyl ethyl ether	59	4.558	4.560	-0.002	524090	18.2	
25 Vinyl acetate	43	4.579	4.575	0.004	2187649	157.8	
26 cis-1,2-Dichloroethene	61	4.822	4.818	0.004	268499	18.1	
27 2,2-Dichloropropane	77	4.915	4.916	-0.001	232905	20.6	
28 Cyclohexane	56	4.987	4.983	0.004	378255	17.7	
29 Chlorobromomethane	130	4.992	4.989	0.003	60376	18.0	
30 Chloroform	83	5.054	5.056	-0.002	268834	19.1	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
31 Ethyl acetate	43	5.163	5.164	-0.001	926877	195.8	
32 Carbon tetrachloride	117	5.168	5.170	-0.002	160433	18.2	
33 Tetrahydrofuran	42	5.189	5.190	-0.001	339881	201.4	
34 sec-Butyl Alcohol	45	5.199	5.195	0.004	438655	954.9	
$ 35 Dibromofluoromethane	113	5.209	5.211	-0.002	110844	19.7	
36 1,1,1-Trichloroethane	97	5.235	5.232	0.003	221497	17.6	
37 2-Butanone (MEK)	43	5.328	5.325	0.003	368239	168.4	
38 1,1-Dichloropropene	75	5.334	5.335	-0.001	216931	18.0	
39 n-Heptane	43	5.509	5.511	-0.002	381222	17.7	
40 Benzene	78	5.551	5.547	0.004	596070	18.3	
41 Tert-amyl methyl ether	73	5.644	5.640	0.004	336569	18.3	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.669	5.666	0.003	22284	20.0	
43 1,2-Dichloroethane	62	5.721	5.722	-0.001	140027	17.8	
* 44 Fluorobenzene	96	5.892	5.893	-0.001	482795	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.917	5.914	0.003	167213	20.3	
46 Isopropyl acetate	43	5.923	5.919	0.004	1934087	193.0	
47 Methylcyclohexane	83	6.021	6.017	0.004	276100	18.2	
48 Trichloroethene	95	6.026	6.022	0.004	139509	19.0	
49 2,4,4-Trimethyl-2-pentene	112	6.052	6.048	0.004	86119	19.1	
50 Dibromomethane	93	6.367	6.368	-0.001	52514	18.2	
51 1,2-Dichloropropane	63	6.450	6.451	-0.001	139253	20.5	
52 Dichlorobromomethane	83	6.496	6.493	0.004	148801	17.9	
53 Methyl methacrylate	69	6.620	6.617	0.003	37971	17.8	
54 1,4-Dioxane	88	6.657	6.653	0.003	4130	172.2	
55 n-Propyl acetate	43	6.729	6.725	0.004	1166821	194.5	
56 2-Chloroethyl vinyl ether	63	6.946	6.942	0.004	272545	296.3	
57 cis-1,3-Dichloropropene	75	6.992	6.994	-0.002	171934	17.9	
$ 58 Toluene-d8 (Surr)	98	7.137	7.138	-0.001	434771	20.3	
59 Toluene	92	7.178	7.175	0.003	314845	19.0	
60 Tetrachloroethene	164	7.468	7.469	-0.001	88443	19.7	
61 4-Methyl-2-pentanone (MIBK)	43	7.473	7.469	0.004	837982	169.9	
62 trans-1,3-Dichloropropene	75	7.499	7.495	0.004	128556	18.3	
63 Isobutyl acetate	43	7.556	7.557	-0.001	2714832	192.0	
64 1,1,2-Trichloroethane	83	7.623	7.619	0.004	55032	18.3	
65 Chlorodibromomethane	129	7.757	7.759	-0.002	63769	17.6	
66 1,3-Dichloropropane	76	7.835	7.831	0.004	122237	17.9	
67 Ethylene Dibromide	107	7.948	7.945	0.003	56835	18.7	
68 n-Butyl acetate	43	8.026	8.027	-0.001	1480358	185.8	
69 2-Hexanone	43	8.109	8.105	0.004	498520	162.2	
* 70 Chlorobenzene-d5	117	8.331	8.332	-0.001	294219	20.0	
71 Chlorobenzene	112	8.346	8.343	0.003	306180	19.1	
72 Ethylbenzene	91	8.357	8.358	-0.001	619926	19.8	
73 1,1,1,2-Tetrachloroethane	131	8.388	8.389	-0.001	94491	19.4	
74 m-Xylene & p-Xylene	91	8.470	8.467	0.003	962762	37.4	
75 o-Xylene	91	8.801	8.803	-0.002	518445	18.6	
76 Styrene	104	8.843	8.839	0.003	352189	18.6	
77 Bromoform	173	8.863	8.865	-0.002	37422	17.0	
78 Isopropylbenzene	105	9.039	9.040	-0.001	637144	19.3	
$ 80 4-Bromofluorobenzene	95	9.261	9.262	-0.001	162294	19.3	
81 Bromobenzene	77	9.349	9.350	-0.001	267792	17.9	
82 N-Propylbenzene	91	9.359	9.361	-0.002	810417	19.0	
83 1,1,2,2-Tetrachloroethane	83	9.411	9.412	-0.001	80512	17.4	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
84 2-Chlorotoluene	91	9.488	9.485	0.003	517894	18.3	
85 1,3,5-Trimethylbenzene	105	9.509	9.511	-0.002	519554	19.1	
86 1,2,3-Trichloropropane	110	9.525	9.526	-0.001	19569	21.4	
87 trans-1,4-Dichloro-2-butene	53	9.556	9.557	-0.001	29231	18.7	
88 4-Chlorotoluene	91	9.618	9.614	0.004	462590	18.6	
89 tert-Butylbenzene	119	9.762	9.759	0.003	424704	19.6	
90 1,2,4-Trimethylbenzene	105	9.814	9.815	-0.001	509053	18.4	
91 sec-Butylbenzene	105	9.897	9.898	-0.001	712963	19.3	
92 4-Isopropyltoluene	119	10.005	10.007	-0.002	556861	19.9	
93 1,3-Dichlorobenzene	146	10.078	10.079	-0.001	229112	18.5	
* 94 1,4-Dichlorobenzene-d4	152	10.134	10.136	-0.002	133940	20.0	
95 1,4-Dichlorobenzene	146	10.150	10.146	0.004	223358	18.7	
96 n-Butylbenzene	91	10.352	10.353	-0.001	602626	19.5	
97 1,2-Dichlorobenzene	146	10.507	10.508	-0.001	185738	18.6	
98 1,2-Dibromo-3-Chloropropane	157	11.282	11.278	0.004	9344	18.1	
99 1,3,5-Trichlorobenzene	180	11.308	11.309	-0.001	172713	19.9	
100 Hexachlorobutadiene	225	12.031	12.032	-0.001	66477	19.2	
101 1,2,4-Trichlorobenzene	180	12.083	12.084	-0.001	129240	19.8	
102 Naphthalene	128	12.548	12.549	-0.001	152536	17.7	
103 1,2,3-Trichlorobenzene	180	12.827	12.823	0.004	95749	19.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Sep-2009 08:54:06 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44922.D

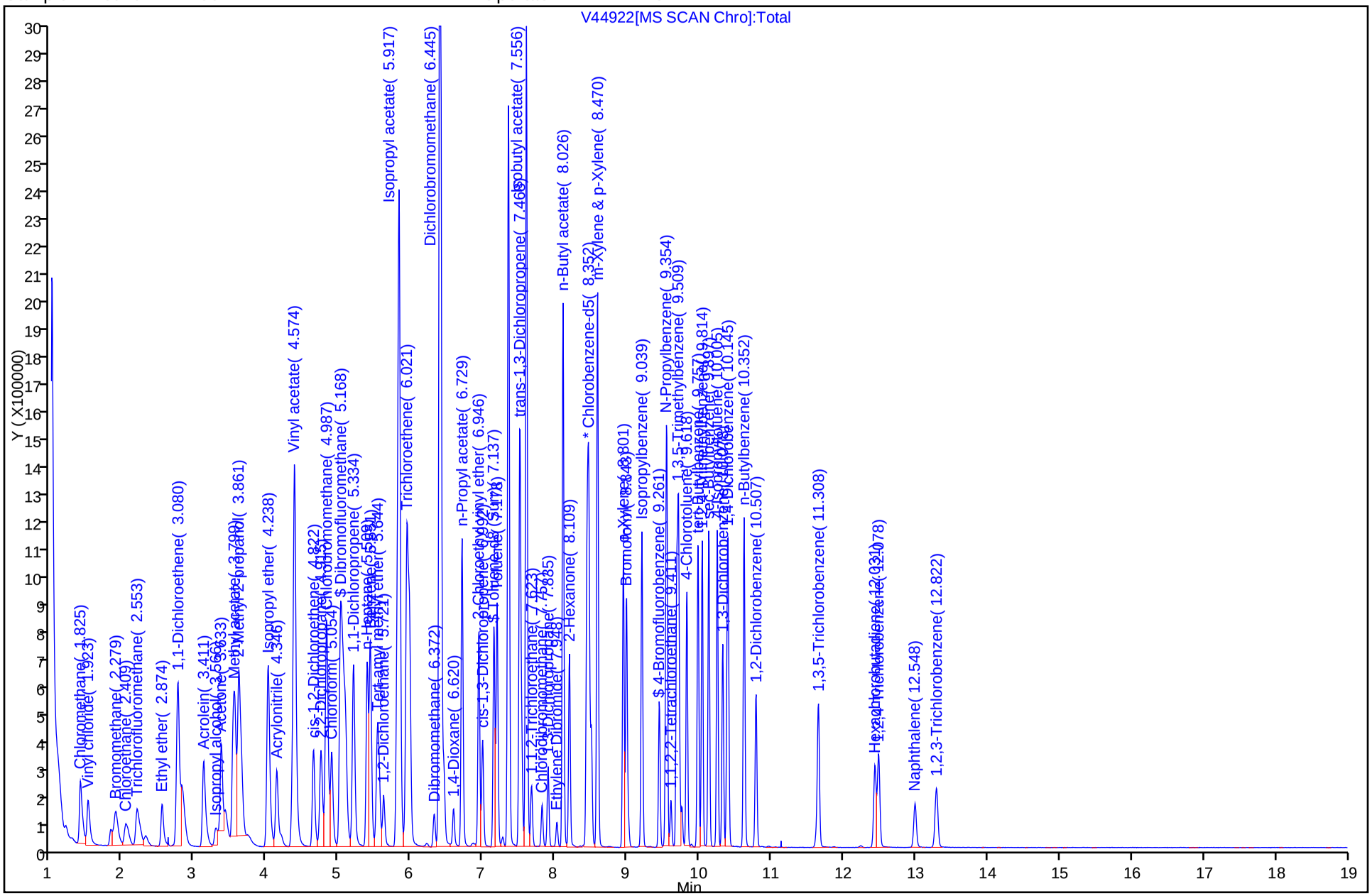
Inj Date: 12-Sep-2009 12:55:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48878 Lims Sample ID: 3

Client ID: Instrument: HP #1 GC/MS

Sample Info: LCS 360-48877/1-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48975/1-A

Matrix: Solid | Lab File ID: V45014.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/15/2009 15:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48976 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	98.8		2.5	1.0
71-55-6	1,1,1-Trichloroethane	93.4		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	82.8		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	96.0		12	1.0
79-00-5	1,1,2-Trichloroethane	89.4		2.5	1.0
75-34-3	1,1-Dichloroethane	97.0		2.5	1.0
75-35-4	1,1-Dichloroethene	97.3		2.5	1.0
563-58-6	1,1-Dichloropropene	94.0		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	97.2		2.5	1.0
96-18-4	1,2,3-Trichloropropane	103		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	98.1		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	94.2		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	87.2		25	1.8
106-93-4	Ethylene Dibromide	89.3		2.5	1.0
95-50-1	1,2-Dichlorobenzene	91.7		2.5	1.0
107-06-2	1,2-Dichloroethane	90.0		2.5	1.0
67-64-1	Acetone	909		250	18
78-87-5	1,2-Dichloropropane	101		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	98.1		2.5	1.0
541-73-1	1,3-Dichlorobenzene	94.7		2.5	1.0
142-28-9	1,3-Dichloropropane	86.8		2.5	1.0
106-46-7	1,4-Dichlorobenzene	92.6		2.5	1.0
123-91-1	1,4-Dioxane	1060		250	33
594-20-7	2,2-Dichloropropane	107		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	107		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	102		5.0	1.0
95-49-8	2-Chlorotoluene	93.6		2.5	1.0
591-78-6	2-Hexanone	772		25	5.1
106-43-4	4-Chlorotoluene	93.4		2.5	1.0
71-43-2	Benzene	94.1		2.5	1.0
108-86-1	Bromobenzene	89.5		2.5	1.0
74-97-5	Chlorobromomethane	92.9		2.5	1.0
75-27-4	Dichlorobromomethane	89.2		2.5	1.0
75-25-2	Bromoform	84.2		2.5	1.0
74-83-9	Bromomethane	103		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48975/1-A

Matrix: Solid | Lab File ID: V45014.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/15/2009 15:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48976 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	97.8		2.5	1.0
75-15-0	Carbon disulfide	94.6		2.5	1.0
56-23-5	Carbon tetrachloride	93.9		2.5	1.0
108-90-7	Chlorobenzene	97.3		2.5	1.0
75-00-3	Chloroethane	96.2		5.0	1.0
67-66-3	Chloroform	93.9		2.5	1.0
74-87-3	Chloromethane	91.4		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	91.1		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	86.9		2.5	1.0
110-82-7	Cyclohexane	99.0		25	2.6
124-48-1	Chlorodibromomethane	84.5		2.5	1.0
74-95-3	Dibromomethane	90.1		2.5	1.0
75-71-8	Dichlorodifluoromethane	61.4		5.0	1.0
60-29-7	Ethyl ether	98.5		2.5	1.0
108-20-3	Isopropyl ether	88.7		2.5	1.0
637-92-3	Tert-butyl ethyl ether	89.6		2.5	2.5
100-41-4	Ethylbenzene	101		2.5	1.0
87-68-3	Hexachlorobutadiene	99.8		2.5	1.0
98-82-8	Isopropylbenzene	99.1		2.5	1.0
79-20-9	Methyl acetate	1190		50	16
78-93-3	2-Butanone (MEK)	847		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	829		25	5.2
1634-04-4	Methyl tert-butyl ether	86.5		2.5	1.0
108-87-2	Methylcyclohexane	103		2.5	1.0
75-09-2	Methylene Chloride	98.8		10	4.8
136777-61-2	m-Xylene & p-Xylene	191		5.0	1.0
91-20-3	Naphthalene	87.0		25	1.0
103-65-1	N-Propylbenzene	97.5		2.5	1.0
95-47-6	o-Xylene	94.8		2.5	1.0
99-87-6	4-Isopropyltoluene	103		2.5	1.0
135-98-8	sec-Butylbenzene	99.5		2.5	1.0
100-42-5	Styrene	91.5		2.5	1.0
994-05-8	Tert-amyl methyl ether	91.8		2.5	1.0
98-06-6	tert-Butylbenzene	101		2.5	1.0
127-18-4	Tetrachloroethene	103		2.5	1.0
109-99-9	Tetrahydrofuran	990		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48975/1-A

Matrix: Solid | Lab File ID: V45014.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/15/2009 15:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48976 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	95.9		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	88.5		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	86.3		2.5	1.0
79-01-6	Trichloroethene	98.3		2.5	1.0
75-69-4	Trichlorofluoromethane	94.4		5.0	1.0
75-01-4	Vinyl chloride	93.2		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	95	70-130	
1868-53-7	Dibromofluoromethane	99	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45014.D		
Lims ID:	LCS 360-48975/1-A	Client ID:	
Inject. Date:	15-Sep-2009 15:33:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 360-48975/1-A		
Misc. Info.:	360-0001175-003		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	48976	Lims Sample ID:	3
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\WES1SOIL.m		
Last Update:	16-Sep-2009 08:27:44	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 16-Sep-2009 08:27:44

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.644	1.645	-0.001	141921	12.3	M
2 Chloromethane	50	1.830	1.831	-0.001	369580	18.3	
3 Vinyl chloride	62	1.929	1.934	-0.006	264161	18.6	
4 Bromomethane	94	2.285	2.291	-0.006	146675	20.5	
5 Chloroethane	64	2.414	2.430	-0.016	149523	19.2	
6 Trichlorofluoromethane	101	2.559	2.559	0.000	234282	18.9	
7 Ethyl ether	59	2.879	2.880	-0.001	114777	19.7	
8 1,1-Dichloroethene	96	3.071	3.071	0.000	143094	19.5	
10 Carbon disulfide	76	3.091	3.086	0.005	630859	18.9	
9 Ethanol	45	3.086	3.086	0.000	45703	1172.2	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.148	3.148	0.000	85410	19.2	
12 Acrolein	56	3.417	3.412	0.005	815509	1005.6	
13 Isopropyl alcohol	45	3.572	3.572	0.000	262289	1054.3	
14 Methylene Chloride	84	3.644	3.645	0.000	165408	19.8	
15 Acetone	43	3.696	3.696	0.000	228364	181.8	
16 trans-1,2-Dichloroethene	61	3.789	3.789	0.000	298879	17.7	
17 Methyl acetate	43	3.815	3.815	0.000	831655	238.7	M
18 Hexane	57	3.866	3.867	-0.001	406022	19.9	
19 Methyl tert-butyl ether	73	3.897	3.898	-0.001	289498	17.3	
20 2-Methyl-2-propanol	59	3.985	3.991	-0.006	68902	173.7	
21 Isopropyl ether	45	4.244	4.244	0.000	845092	17.7	
22 1,1-Dichloroethane	63	4.352	4.353	0.000	345177	19.4	
23 Acrylonitrile	53	4.414	4.415	-0.001	31672	20.4	
24 Tert-butyl ethyl ether	59	4.564	4.564	0.000	512294	17.9	
25 Vinyl acetate	43	4.585	4.585	0.000	2077164	151.0	
26 cis-1,2-Dichloroethene	61	4.828	4.823	0.005	268396	18.2	
27 2,2-Dichloropropane	77	4.921	4.921	0.000	238606	21.4	
28 Cyclohexane	56	4.993	4.993	0.000	419255	19.8	
29 Chlorobromomethane	130	4.998	4.998	0.000	61674	18.6	
30 Chloroform	83	5.060	5.061	0.000	262804	18.8	
31 Ethyl acetate	43	5.174	5.169	0.005	925780	197.2	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117	5.174	5.174	0.000	164399	18.8	
33 Tetrahydrofuran	42	5.195	5.195	0.000	331332	198.0	
34 sec-Butyl Alcohol	45	5.205	5.205	0.000	445846	978.6	
$ 35 Dibromofluoromethane	113	5.215	5.216	-0.001	110803	19.9	
36 1,1,1-Trichloroethane	97	5.236	5.236	0.000	233397	18.7	
37 2-Butanone (MEK)	43	5.334	5.334	0.000	367457	169.4	
38 1,1-Dichloropropene	75	5.339	5.340	-0.001	224771	18.8	
39 n-Heptane	43	5.515	5.515	0.000	433089	20.3	
40 Benzene	78	5.556	5.557	-0.001	608978	18.8	
41 Tert-amyl methyl ether	73	5.649	5.650	-0.001	335087	18.4	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.675	5.670	0.005	20697	20.0	
43 1,2-Dichloroethane	62	5.727	5.727	0.000	140246	18.0	
* 44 Fluorobenzene	96	5.897	5.898	-0.001	478824	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.918	5.924	-0.006	173870	21.4	
46 Isopropyl acetate	43	5.928	5.924	0.004	1927850	194.0	
47 Methylcyclohexane	83	6.021	6.022	-0.001	309394	20.6	
48 Trichloroethene	95	6.032	6.032	0.000	142776	19.7	
49 2,4,4-Trimethyl-2-pentene	112	6.058	6.058	0.000	91054	20.3	
50 Dibromomethane	93	6.373	6.373	0.000	51479	18.0	
51 1,2-Dichloropropane	63	6.456	6.456	0.000	136506	20.2	
52 Dichlorobromomethane	83	6.502	6.497	0.005	147382	17.8	
53 Methyl methacrylate	69	6.626	6.621	0.005	38314	18.1	
54 1,4-Dioxane	88	6.678	6.668	0.010	4705	211.9	
55 n-Propyl acetate	43	6.735	6.730	0.005	1110340	186.6	
56 2-Chloroethyl vinyl ether	63	6.947	6.947	0.000	276298	302.5	
57 cis-1,3-Dichloropropene	75	6.998	6.998	0.000	165460	17.4	
$ 58 Toluene-d8 (Surr)	98	7.143	7.143	0.000	427425	20.1	
59 Toluene	92	7.184	7.185	0.000	315256	19.2	
60 Tetrachloroethene	164	7.474	7.474	0.000	91484	20.5	
61 4-Methyl-2-pentanone (MIBK)	43	7.474	7.474	0.000	811429	165.9	
62 trans-1,3-Dichloropropene	75	7.499	7.500	-0.001	120211	17.3	
63 Isobutyl acetate	43	7.561	7.562	-0.001	2653989	189.2	
64 1,1,2-Trichloroethane	83	7.629	7.624	0.005	53401	17.9	
65 Chlorodibromomethane	129	7.763	7.763	0.000	60849	16.9	
66 1,3-Dichloropropane	76	7.841	7.836	0.005	117595	17.4	
67 Ethylene Dibromide	107	7.954	7.949	0.005	53957	17.9	
68 n-Butyl acetate	43	8.032	8.032	0.000	1392860	176.3	
69 2-Hexanone	43	8.114	8.110	0.004	470660	154.4	
* 70 Chlorobenzene-d5	117	8.337	8.337	0.000	285907	20.0	
71 Chlorobenzene	112	8.347	8.347	0.000	302630	19.5	
72 Ethylbenzene	91	8.363	8.363	-0.001	617496	20.3	
73 1,1,1,2-Tetrachloroethane	131	8.394	8.394	0.000	93554	19.8	
74 m-Xylene & p-Xylene	91	8.476	8.471	0.005	956691	38.2	
75 o-Xylene	91	8.807	8.807	0.000	514383	19.0	
76 Styrene	104	8.848	8.843	0.005	337440	18.3	
77 Bromoform	173	8.869	8.869	0.000	37263	16.8	
78 Isopropylbenzene	105	9.045	9.045	0.000	637757	19.8	
$ 80 4-Bromofluorobenzene	95	9.267	9.267	0.000	156153	19.1	
81 Bromobenzene	77	9.355	9.355	0.000	260834	17.9	
82 N-Propylbenzene	91	9.365	9.365	0.000	808796	19.5	
83 1,1,2,2-Tetrachloroethane	83	9.417	9.417	0.000	76790	16.6	
84 2-Chlorotoluene	91	9.494	9.495	-0.001	513486	18.7	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
85 1,3,5-Trimethylbenzene	105	9.515	9.515	0.000	518814	19.6	
86 1,2,3-Trichloropropane	110	9.530	9.531	-0.001	18285	20.6	
87 trans-1,4-Dichloro-2-butene	53	9.556	9.557	-0.001	27909	18.3	
88 4-Chlorotoluene	91	9.623	9.619	0.004	451049	18.7	
89 tert-Butylbenzene	119	9.763	9.763	0.000	426187	20.2	
90 1,2,4-Trimethylbenzene	105	9.820	9.820	0.000	506592	18.8	
91 sec-Butylbenzene	105	9.903	9.903	0.000	715783	19.9	
92 4-Isopropyltoluene	119	10.011	10.011	0.000	560820	20.7	
93 1,3-Dichlorobenzene	146	10.083	10.084	-0.001	228105	18.9	
* 94 1,4-Dichlorobenzene-d4	152	10.140	10.141	-0.001	134520	20.0	
95 1,4-Dichlorobenzene	146	10.156	10.156	0.000	221955	18.5	
96 n-Butylbenzene	91	10.357	10.358	-0.001	606797	19.6	
97 1,2-Dichlorobenzene	146	10.512	10.513	-0.001	183925	18.3	
98 1,2-Dibromo-3-Chloropropane	157	11.288	11.288	0.000	9033	17.4	
99 1,3,5-Trichlorobenzene	180	11.313	11.314	-0.001	186264	21.4	
100 Hexachlorobutadiene	225	12.042	12.042	0.000	69398	20.0	
101 1,2,4-Trichlorobenzene	180	12.089	12.089	0.000	128644	19.6	
102 Naphthalene	128	12.554	12.559	-0.005	150810	17.4	
103 1,2,3-Trichlorobenzene	180	12.833	12.833	0.000	94346	19.4	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 16-Sep-2009 08:27:44 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45014.D

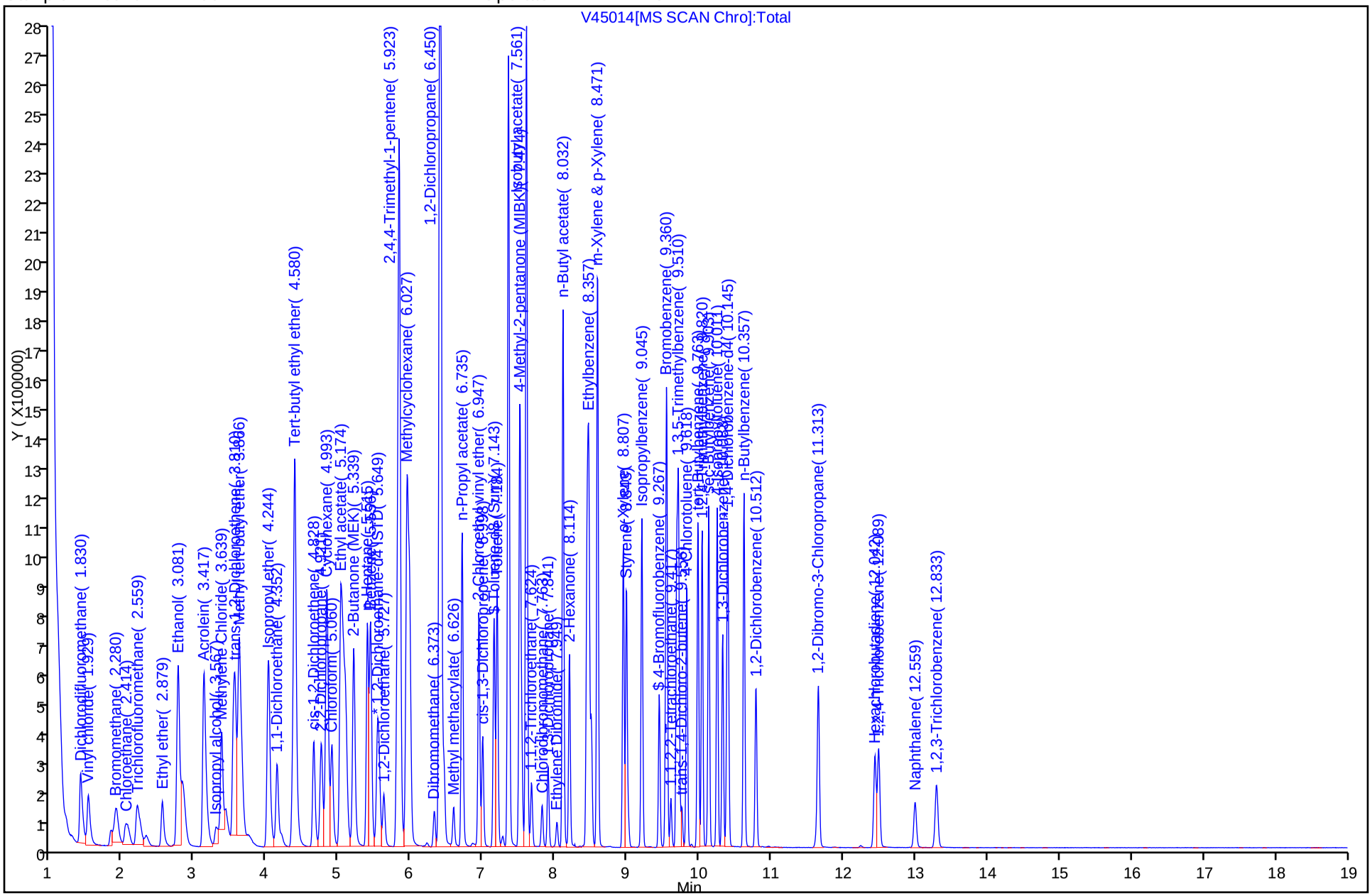
Inj Date: 15-Sep-2009 15:33:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48976 Lims Sample ID: 3

Client ID: Instrument: HP #1 GC/MS

Sample Info: LCS 360-48975/1-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48710/2-A

Matrix: Solid | Lab File ID: V44800.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/08/2009 20:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	108		2.5	1.0
71-55-6	1,1,1-Trichloroethane	95.9		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	97.6		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	92.3		12	1.0
79-00-5	1,1,2-Trichloroethane	101		2.5	1.0
75-34-3	1,1-Dichloroethane	106		2.5	1.0
75-35-4	1,1-Dichloroethene	98.9		2.5	1.0
563-58-6	1,1-Dichloropropene	95.6		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	106		2.5	1.0
96-18-4	1,2,3-Trichloropropane	119		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	105		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	100		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	98.8		25	1.8
106-93-4	Ethylene Dibromide	100		2.5	1.0
95-50-1	1,2-Dichlorobenzene	100		2.5	1.0
107-06-2	1,2-Dichloroethane	100		2.5	1.0
67-64-1	Acetone	826		250	18
78-87-5	1,2-Dichloropropane	111		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	103		2.5	1.0
541-73-1	1,3-Dichlorobenzene	101		2.5	1.0
142-28-9	1,3-Dichloropropane	99.0		2.5	1.0
106-46-7	1,4-Dichlorobenzene	102		2.5	1.0
123-91-1	1,4-Dioxane	912		250	33
594-20-7	2,2-Dichloropropane	109		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	109		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	98.7		5.0	1.0
95-49-8	2-Chlorotoluene	101		2.5	1.0
591-78-6	2-Hexanone	931		25	5.1
106-43-4	4-Chlorotoluene	104		2.5	1.0
71-43-2	Benzene	99.6		2.5	1.0
108-86-1	Bromobenzene	101		2.5	1.0
74-97-5	Chlorobromomethane	99.8		2.5	1.0
75-27-4	Dichlorobromomethane	101		2.5	1.0
75-25-2	Bromoform	92.1		2.5	1.0
74-83-9	Bromomethane	104		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48710/2-A

Matrix: Solid | Lab File ID: V44800.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/08/2009 20:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	101		2.5	1.0
75-15-0	Carbon disulfide	98.0		2.5	1.0
56-23-5	Carbon tetrachloride	93.5		2.5	1.0
108-90-7	Chlorobenzene	103		2.5	1.0
75-00-3	Chloroethane	104		5.0	1.0
67-66-3	Chloroform	103		2.5	1.0
74-87-3	Chloromethane	97.3		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	100		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	98.3		2.5	1.0
110-82-7	Cyclohexane	92.1		25	2.6
124-48-1	Chlorodibromomethane	97.1		2.5	1.0
74-95-3	Dibromomethane	98.7		2.5	1.0
75-71-8	Dichlorodifluoromethane	62.4		5.0	1.0
60-29-7	Ethyl ether	110		2.5	1.0
108-20-3	Isopropyl ether	98.8		2.5	1.0
637-92-3	Tert-butyl ethyl ether	101		2.5	2.5
100-41-4	Ethylbenzene	105		2.5	1.0
87-68-3	Hexachlorobutadiene	99.9		2.5	1.0
98-82-8	Isopropylbenzene	103		2.5	1.0
79-20-9	Methyl acetate	1040		50	16
78-93-3	2-Butanone (MEK)	949		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	945		25	5.2
1634-04-4	Methyl tert-butyl ether	98.1		2.5	1.0
108-87-2	Methylcyclohexane	93.6		2.5	1.0
75-09-2	Methylene Chloride	107		10	4.8
136777-61-2	m-Xylene & p-Xylene	201		5.0	1.0
91-20-3	Naphthalene	101		25	1.0
103-65-1	N-Propylbenzene	103		2.5	1.0
95-47-6	o-Xylene	101		2.5	1.0
99-87-6	4-Isopropyltoluene	105		2.5	1.0
135-98-8	sec-Butylbenzene	103		2.5	1.0
100-42-5	Styrene	102		2.5	1.0
994-05-8	Tert-amyl methyl ether	101		2.5	1.0
98-06-6	tert-Butylbenzene	106		2.5	1.0
127-18-4	Tetrachloroethene	100		2.5	1.0
109-99-9	Tetrahydrofuran	1090		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48710/2-A

Matrix: Solid | Lab File ID: V44800.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/08/2009 20:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48711 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	102		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	95.5		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	102		2.5	1.0
79-01-6	Trichloroethene	99.9		2.5	1.0
75-69-4	Trichlorofluoromethane	93.2		5.0	1.0
75-01-4	Vinyl chloride	96.6		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	100	70-130	
1868-53-7	Dibromofluoromethane	99	70-130	
2037-26-5	Toluene-d8 (Surr)	101	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44800.D		
Lims ID:	LCSD 360-48710/2-A	Client ID:	
Inject. Date:	08-Sep-2009 20:50:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	LCSD 360-48710/2-A		
Misc. Info.:	360-0001108-004		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	48711	Lims Sample ID:	4
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\WES1SOIL.m		
Last Update:	09-Sep-2009 10:47:20	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 09-Sep-2009 10:52:57

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.639	1.639	0.000	150931	12.5	
2 Chloromethane	50	1.820	1.819	0.001	410327	19.5	
3 Vinyl chloride	62	1.918	1.922	-0.004	285852	19.3	
4 Bromomethane	94	2.275	2.269	0.006	154825	20.7	
5 Chloroethane	64	2.399	2.403	-0.004	168730	20.9	
6 Trichlorofluoromethane	101	2.548	2.553	-0.005	242057	18.6	
7 Ethyl ether	59	2.864	2.868	-0.004	133979	22.0	
8 1,1-Dichloroethene	96	3.055	3.065	-0.010	152052	19.8	
9 Ethanol	45	3.065	3.070	-0.005	41995	1025.9	
10 Carbon disulfide	76	3.070	3.080	-0.010	684037	19.6	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.127	3.132	-0.005	85908	18.5	
12 Acrolein	56	3.396	3.400	-0.004	873638	1039.7	
13 Isopropyl alcohol	45	3.551	3.556	-0.005	257795	989.5	
14 Methylene Chloride	84	3.623	3.628	-0.005	186671	21.4	
15 Acetone	43	3.680	3.685	-0.005	217760	165.3	
16 trans-1,2-Dichloroethene	61	3.773	3.778	-0.005	337367	19.1	
17 Methyl acetate	43	3.799	3.804	-0.005	761506	208.9	
18 Hexane	57	3.846	3.855	-0.009	401258	18.8	
19 Methyl tert-butyl ether	73	3.877	3.886	-0.009	343495	19.6	
20 2-Methyl-2-propanol	59	3.970	3.974	-0.004	82370	200.4	
21 Isopropyl ether	45	4.223	4.227	-0.004	984920	19.8	
22 1,1-Dichloroethane	63	4.337	4.341	-0.004	394116	21.2	
23 Acrylonitrile	53	4.393	4.403	-0.010	33221	20.4	
24 Tert-butyl ethyl ether	59	4.543	4.553	-0.010	603156	20.2	
25 Vinyl acetate	43	4.564	4.568	-0.004	2635035	183.1	
26 cis-1,2-Dichloroethene	61	4.802	4.811	-0.009	308572	20.0	
27 2,2-Dichloropropane	77	4.900	4.910	-0.010	254863	21.9	
28 Cyclohexane	56	4.972	4.977	-0.005	407760	18.4	
29 Chlorobromomethane	130	4.977	4.982	-0.005	69307	20.0	
30 Chloroform	83	5.039	5.044	-0.005	302217	20.7	
31 Ethyl acetate	43	5.148	5.158	-0.010	990514	201.7	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117	5.153	5.163	-0.010	171342	18.7	
33 Tetrahydrofuran	42	5.174	5.178	-0.004	380355	217.4	
34 sec-Butyl Alcohol	45	5.184	5.189	-0.005	493504	1035.3	
$ 35 Dibromofluoromethane	113	5.200	5.204	-0.004	115685	19.8	
36 1,1,1-Trichloroethane	97	5.220	5.225	-0.005	250825	19.2	
37 2-Butanone (MEK)	43	5.313	5.318	-0.005	430193	189.8	
38 1,1-Dichloropropene	75	5.318	5.328	-0.010	239145	19.1	
39 n-Heptane	43	5.494	5.499	-0.005	418884	18.7	
40 Benzene	78	5.535	5.540	-0.005	674742	19.9	
41 Tert-amyl methyl ether	73	5.623	5.633	-0.010	387459	20.3	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.649	5.659	-0.010	21446	20.0	
43 1,2-Dichloroethane	62	5.706	5.711	-0.005	163281	20.0	
* 44 Fluorobenzene	96	5.877	5.886	-0.009	500977	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.902	5.907	-0.005	185607	21.9	
46 Isopropyl acetate	43	5.902	5.912	-0.010	2112544	203.2	
47 Methylcyclohexane	83	6.001	6.010	-0.009	294317	18.7	
48 Trichloroethene	95	6.011	6.015	-0.004	151821	20.0	
49 2,4,4-Trimethyl-2-pentene	112	6.037	6.046	-0.009	92592	19.7	
50 Dibromomethane	93	6.352	6.362	-0.010	58993	19.7	
51 1,2-Dichloropropane	63	6.435	6.444	-0.009	156693	22.2	
52 Dichlorobromomethane	83	6.481	6.486	-0.005	175278	20.3	
53 Methyl methacrylate	69	6.600	6.610	-0.010	43711	19.8	
54 1,4-Dioxane	88	6.636	6.651	-0.015	4208	182.3	
55 n-Propyl acetate	43	6.714	6.718	-0.004	1261881	202.7	
56 2-Chloroethyl vinyl ether	63	6.931	6.935	-0.004	184610	199.5	
57 cis-1,3-Dichloropropene	75	6.977	6.987	-0.010	195717	19.7	
$ 58 Toluene-d8 (Surr)	98	7.122	7.132	-0.010	447508	20.1	
59 Toluene	92	7.163	7.173	-0.010	349870	20.4	
60 Tetrachloroethene	164	7.458	7.462	-0.004	93403	20.0	
61 4-Methyl-2-pentanone (MIBK)	43	7.458	7.462	-0.004	966956	188.9	
62 trans-1,3-Dichloropropene	75	7.484	7.488	-0.004	148243	20.4	
63 Isobutyl acetate	43	7.541	7.550	-0.009	2979064	203.0	
64 1,1,2-Trichloroethane	83	7.608	7.617	-0.009	63335	20.2	
65 Chlorodibromomethane	129	7.742	7.752	-0.010	73144	19.4	
66 1,3-Dichloropropane	76	7.820	7.829	-0.009	140309	19.8	
67 Ethylene Dibromide	107	7.933	7.943	-0.010	63504	20.1	
68 n-Butyl acetate	43	8.011	8.021	-0.010	1621238	196.1	
69 2-Hexanone	43	8.099	8.103	-0.004	593457	186.2	
* 70 Chlorobenzene-d5	117	8.321	8.325	-0.004	306473	20.0	
71 Chlorobenzene	112	8.331	8.341	-0.010	342724	20.6	
72 Ethylbenzene	91	8.347	8.356	-0.009	688882	21.1	
73 1,1,1,2-Tetrachloroethane	131	8.378	8.387	-0.009	109034	21.5	
74 m-Xylene & p-Xylene	91	8.461	8.465	-0.005	1077038	40.2	
75 o-Xylene	91	8.791	8.796	-0.005	588639	20.2	
76 Styrene	104	8.833	8.837	-0.004	403054	20.4	
77 Bromoform	173	8.858	8.863	-0.005	43429	18.4	
78 Isopropylbenzene	105	9.029	9.039	-0.010	708864	20.6	
$ 80 4-Bromofluorobenzene	95	9.256	9.261	-0.005	176435	20.1	
81 Bromobenzene	77	9.339	9.349	-0.010	316246	20.3	
82 N-Propylbenzene	91	9.349	9.359	-0.010	914887	20.6	
83 1,1,2,2-Tetrachloroethane	83	9.406	9.411	-0.005	95944	19.5	
84 2-Chlorotoluene	91	9.479	9.483	-0.004	592750	20.2	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
85 1,3,5-Trimethylbenzene	105	9.499	9.509	-0.010	586424	20.7	
86 1,2,3-Trichloropropane	110	9.520	9.524	-0.004	22554	23.7	
87 trans-1,4-Dichloro-2-butene	53	9.546	9.555	-0.009	35879	22.1	
88 4-Chlorotoluene	91	9.608	9.617	-0.009	536747	20.7	
89 tert-Butylbenzene	119	9.752	9.762	-0.010	479448	21.2	
90 1,2,4-Trimethylbenzene	105	9.809	9.814	-0.005	578557	20.1	
91 sec-Butylbenzene	105	9.892	9.897	-0.004	790718	20.5	
92 4-Isopropyltoluene	119	10.001	10.010	-0.009	611777	21.0	
93 1,3-Dichlorobenzene	146	10.073	10.077	-0.004	261568	20.3	
* 94 1,4-Dichlorobenzene-d4	152	10.130	10.134	-0.004	142604	20.0	
95 1,4-Dichlorobenzene	146	10.145	10.150	-0.005	258281	20.3	
96 n-Butylbenzene	91	10.347	10.351	-0.004	664939	20.2	
97 1,2-Dichlorobenzene	146	10.502	10.506	-0.004	213268	20.1	
98 1,2-Dibromo-3-Chloropropane	157	11.277	11.287	-0.010	10843	19.8	
99 1,3,5-Trichlorobenzene	180	11.303	11.307	-0.004	184361	20.0	
100 Hexachlorobutadiene	225	12.032	12.036	-0.004	73632	20.0	
101 1,2,4-Trichlorobenzene	180	12.078	12.083	-0.005	145954	21.0	
102 Naphthalene	128	12.543	12.553	-0.010	184614	20.1	
103 1,2,3-Trichlorobenzene	180	12.817	12.827	-0.010	108710	21.1	

Report Date: 09-Sep-2009 10:52:57 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090908-2.b\V44800.D

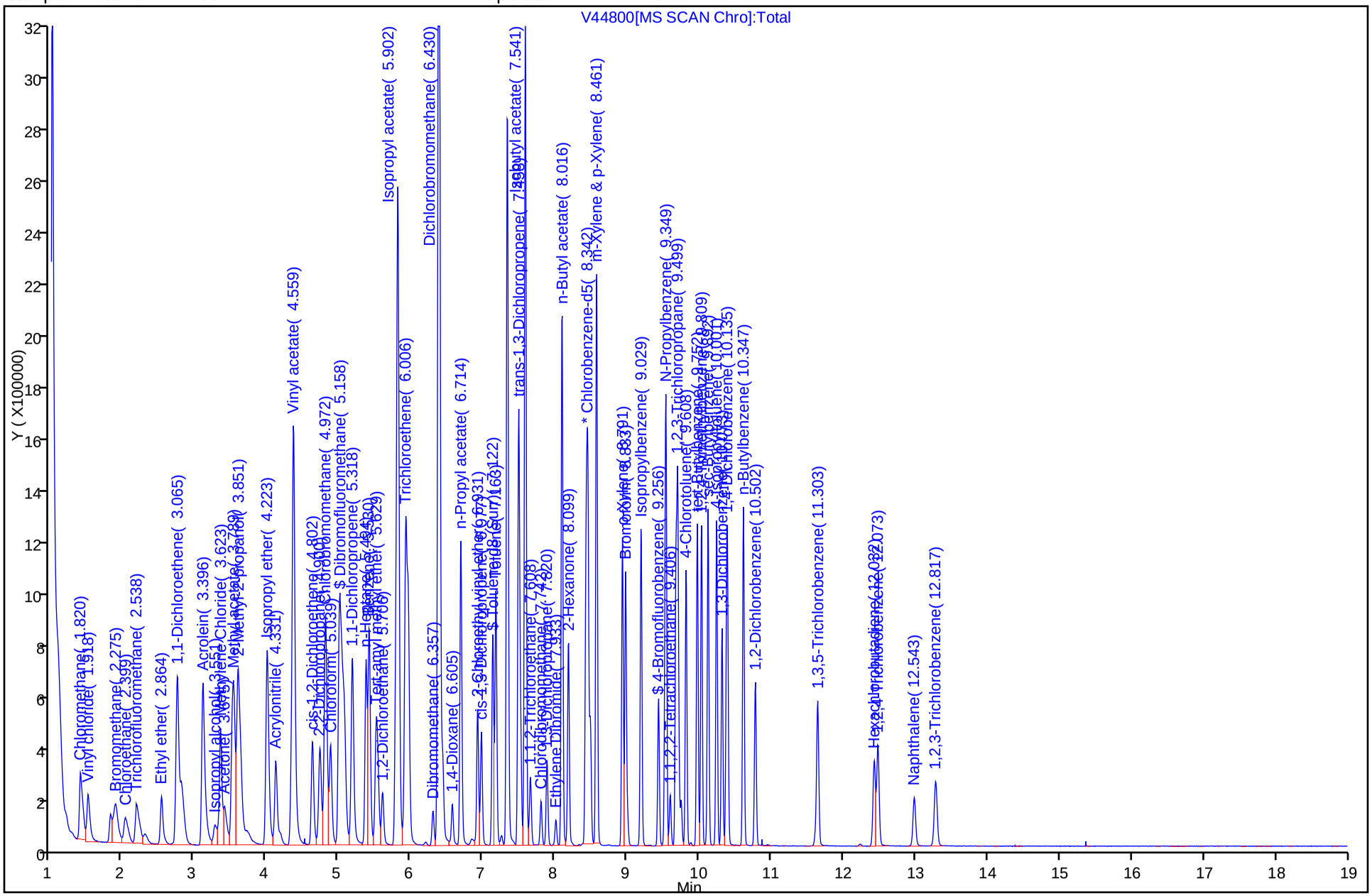
Inj Date: 08-Sep-2009 20:50:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48711 Lims Sample ID: 4

Client ID: Instrument: HP #1 GC/MS

Sample Info: LCSD 360-48710/2-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48765/2-A

Matrix: Solid | Lab File ID: V44839.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/09/2009 17:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	102		2.5	1.0
71-55-6	1,1,1-Trichloroethane	95.9		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	91.5		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	97.0		12	1.0
79-00-5	1,1,2-Trichloroethane	93.7		2.5	1.0
75-34-3	1,1-Dichloroethane	102		2.5	1.0
75-35-4	1,1-Dichloroethene	101		2.5	1.0
563-58-6	1,1-Dichloropropene	95.2		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	108		2.5	1.0
96-18-4	1,2,3-Trichloropropane	114		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	105		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	98.6		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	97.7		25	1.8
106-93-4	Ethylene Dibromide	95.0		2.5	1.0
95-50-1	1,2-Dichlorobenzene	96.4		2.5	1.0
107-06-2	1,2-Dichloroethane	95.0		2.5	1.0
67-64-1	Acetone	877		250	18
78-87-5	1,2-Dichloropropane	105		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	102		2.5	1.0
541-73-1	1,3-Dichlorobenzene	100		2.5	1.0
142-28-9	1,3-Dichloropropane	92.2		2.5	1.0
106-46-7	1,4-Dichlorobenzene	97.8		2.5	1.0
123-91-1	1,4-Dioxane	846		250	33
594-20-7	2,2-Dichloropropane	112		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	114		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	102		5.0	1.0
95-49-8	2-Chlorotoluene	97.1		2.5	1.0
591-78-6	2-Hexanone	902		25	5.1
106-43-4	4-Chlorotoluene	99.7		2.5	1.0
71-43-2	Benzene	95.9		2.5	1.0
108-86-1	Bromobenzene	95.5		2.5	1.0
74-97-5	Chlorobromomethane	97.5		2.5	1.0
75-27-4	Dichlorobromomethane	93.8		2.5	1.0
75-25-2	Bromoform	85.1		2.5	1.0
74-83-9	Bromomethane	106		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48765/2-A

Matrix: Solid | Lab File ID: V44839.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/09/2009 17:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	99.3		2.5	1.0
75-15-0	Carbon disulfide	96.5		2.5	1.0
56-23-5	Carbon tetrachloride	95.8		2.5	1.0
108-90-7	Chlorobenzene	97.6		2.5	1.0
75-00-3	Chloroethane	103		5.0	1.0
67-66-3	Chloroform	100		2.5	1.0
74-87-3	Chloromethane	98.2		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	96.2		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	91.6		2.5	1.0
110-82-7	Cyclohexane	98.3		25	2.6
124-48-1	Chlorodibromomethane	91.1		2.5	1.0
74-95-3	Dibromomethane	92.7		2.5	1.0
75-71-8	Dichlorodifluoromethane	66.6		5.0	1.0
60-29-7	Ethyl ether	101		2.5	1.0
108-20-3	Isopropyl ether	94.9		2.5	1.0
637-92-3	Tert-butyl ethyl ether	97.8		2.5	2.5
100-41-4	Ethylbenzene	101		2.5	1.0
87-68-3	Hexachlorobutadiene	99.3		2.5	1.0
98-82-8	Isopropylbenzene	101		2.5	1.0
79-20-9	Methyl acetate	1020		50	16
78-93-3	2-Butanone (MEK)	903		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	942		25	5.2
1634-04-4	Methyl tert-butyl ether	95.2		2.5	1.0
108-87-2	Methylcyclohexane	99.6		2.5	1.0
75-09-2	Methylene Chloride	105		10	4.8
136777-61-2	m-Xylene & p-Xylene	192		5.0	1.0
91-20-3	Naphthalene	99.9		25	1.0
103-65-1	N-Propylbenzene	99.5		2.5	1.0
95-47-6	o-Xylene	97.5		2.5	1.0
99-87-6	4-Isopropyltoluene	106		2.5	1.0
135-98-8	sec-Butylbenzene	103		2.5	1.0
100-42-5	Styrene	96.7		2.5	1.0
994-05-8	Tert-amyl methyl ether	99.7		2.5	1.0
98-06-6	tert-Butylbenzene	105		2.5	1.0
127-18-4	Tetrachloroethene	99.1		2.5	1.0
109-99-9	Tetrahydrofuran	1050		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48765/2-A

Matrix: Solid | Lab File ID: V44839.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/09/2009 17:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	97.3		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	92.5		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	91.6		2.5	1.0
79-01-6	Trichloroethene	99.3		2.5	1.0
75-69-4	Trichlorofluoromethane	98.7		5.0	1.0
75-01-4	Vinyl chloride	98.4		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	98	70-130	
1868-53-7	Dibromofluoromethane	99	70-130	
2037-26-5	Toluene-d8 (Surr)	99	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44839.D		
Lims ID:	LCSD 360-48765/2-A	Client ID:	
Inject. Date:	09-Sep-2009 17:30:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	LCSD 360-48765/2-A		
Misc. Info.:	360-0001122-004		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	48767	Lims Sample ID:	4
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\WES1SOIL.m		
Last Update:	10-Sep-2009 11:16:41	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 10-Sep-2009 11:18:54

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.627	1.629	-0.002	154088	13.3	
2 Chloromethane	50	1.813	1.810	0.003	395783	19.6	
3 Vinyl chloride	62	1.911	1.908	0.003	278343	19.7	
4 Bromomethane	94	2.262	2.254	0.008	151081	21.2	
5 Chloroethane	64	2.397	2.394	0.003	159254	20.6	
6 Trichlorofluoromethane	101	2.536	2.533	0.003	245116	19.7	
7 Ethyl ether	59	2.857	2.854	0.003	118209	20.3	
8 1,1-Dichloroethene	96	3.048	3.045	0.003	148198	20.2	
9 Ethanol	45	3.063	3.050	0.013	23858	597.5	M
10 Carbon disulfide	76	3.063	3.060	0.003	643798	19.3	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.115	3.117	-0.002	86331	19.4	
13 Isopropyl alcohol	45	3.549	3.541	0.008	237738	953.6	
14 Methylene Chloride	84	3.616	3.613	0.003	174690	20.9	
15 Acetone	43	3.668	3.665	0.003	220623	175.4	
16 trans-1,2-Dichloroethene	61	3.766	3.763	0.003	312534	18.5	
17 Methyl acetate	43	3.792	3.789	0.003	714308	204.9	
18 Hexane	57	3.839	3.841	-0.002	401665	19.7	
19 Methyl tert-butyl ether	73	3.875	3.872	0.003	319027	19.0	
20 2-Methyl-2-propanol	59	3.963	3.970	-0.007	68665	169.1	
21 Isopropyl ether	45	4.216	4.213	0.003	904875	19.0	
22 1,1-Dichloroethane	63	4.324	4.327	-0.003	361548	20.3	
23 Acrylonitrile	53	4.386	4.383	0.003	32567	21.0	
24 Tert-butyl ethyl ether	59	4.536	4.538	-0.002	559098	19.6	
25 Vinyl acetate	43	4.557	4.554	0.003	2513118	182.6	
26 cis-1,2-Dichloroethene	61	4.800	4.797	0.003	283687	19.2	
27 2,2-Dichloropropane	77	4.893	4.895	-0.002	248102	22.3	
28 Cyclohexane	56	4.965	4.967	-0.002	416310	19.7	
29 Chlorobromomethane	130	4.970	4.973	-0.003	64763	19.5	
30 Chloroform	83	5.032	5.035	-0.003	280009	20.0	
31 Ethyl acetate	43	5.141	5.143	-0.002	944001	201.0	
32 Carbon tetrachloride	117	5.146	5.148	-0.002	167840	19.2	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
33 Tetrahydrofuran	42	5.167	5.164	0.003	350386	209.3	
34 sec-Butyl Alcohol	45	5.177	5.179	-0.002	456072	1000.4	
$ 35 Dibromofluoromethane	113	5.187	5.190	-0.003	110457	19.8	
36 1,1,1-Trichloroethane	97	5.213	5.210	0.003	239954	19.2	
37 2-Butanone (MEK)	43	5.306	5.308	-0.002	391749	180.6	
38 1,1-Dichloropropene	75	5.311	5.314	-0.003	227606	19.0	
39 n-Heptane	43	5.487	5.489	-0.002	417374	19.5	
40 Benzene	78	5.528	5.531	-0.003	621119	19.2	
41 Tert-amyl methyl ether	73	5.621	5.624	-0.003	363994	19.9	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.642	5.644	-0.002	21186	20.0	
43 1,2-Dichloroethane	62	5.699	5.701	-0.002	147995	19.0	
* 44 Fluorobenzene	96	5.870	5.872	-0.002	479122	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.895	5.898	-0.003	184429	22.8	
46 Isopropyl acetate	43	5.901	5.903	-0.002	2007711	201.9	
47 Methylcyclohexane	83	5.994	5.996	-0.002	299329	19.9	
48 Trichloroethene	95	6.004	6.006	-0.002	144340	19.9	
49 2,4,4-Trimethyl-2-pentene	112	6.030	6.032	-0.002	91878	20.5	
50 Dibromomethane	93	6.350	6.352	-0.002	53012	18.5	
51 1,2-Dichloropropane	63	6.433	6.435	-0.002	141801	21.0	
52 Dichlorobromomethane	83	6.474	6.476	-0.002	155133	18.8	
53 Methyl methacrylate	69	6.598	6.600	-0.002	40710	19.2	
54 1,4-Dioxane	88	6.645	6.642	0.003	3861	169.3	
55 n-Propyl acetate	43	6.707	6.709	-0.002	1178911	198.0	
56 2-Chloroethyl vinyl ether	63	6.924	6.926	-0.002	280384	306.5	
57 cis-1,3-Dichloropropene	75	6.975	6.973	0.002	174470	18.3	
$ 58 Toluene-d8 (Surr)	98	7.120	7.122	-0.002	420274	19.8	
59 Toluene	92	7.156	7.164	-0.008	320007	19.5	
60 Tetrachloroethene	164	7.451	7.453	-0.002	88405	19.8	
61 4-Methyl-2-pentanone (MIBK)	43	7.451	7.453	-0.002	922387	188.4	
62 trans-1,3-Dichloropropene	75	7.477	7.479	-0.002	127679	18.3	
63 Isobutyl acetate	43	7.539	7.541	-0.002	2834258	202.0	
64 1,1,2-Trichloroethane	83	7.601	7.608	-0.007	56015	18.7	
65 Chlorodibromomethane	129	7.740	7.743	-0.003	65622	18.2	
66 1,3-Dichloropropane	76	7.818	7.820	-0.002	124882	18.4	
67 Ethylene Dibromide	107	7.932	7.934	-0.002	57448	19.0	
68 n-Butyl acetate	43	8.009	8.011	-0.002	1504620	190.3	
69 2-Hexanone	43	8.092	8.094	-0.002	550107	180.4	
* 70 Chlorobenzene-d5	117	8.314	8.316	-0.002	293982	20.0	
71 Chlorobenzene	112	8.329	8.332	-0.003	312236	19.5	
72 Ethylbenzene	91	8.345	8.347	-0.002	635839	20.3	
73 1,1,1,2-Tetrachloroethane	131	8.376	8.378	-0.002	99610	20.5	
74 m-Xylene & p-Xylene	91	8.453	8.456	-0.003	989110	38.4	
75 o-Xylene	91	8.784	8.792	-0.008	543857	19.5	
76 Styrene	104	8.826	8.833	-0.007	366583	19.3	
77 Bromoform	173	8.851	8.854	-0.003	38929	17.0	
78 Isopropylbenzene	105	9.027	9.029	-0.002	670760	20.3	
$ 80 4-Bromofluorobenzene	95	9.249	9.252	-0.003	165925	19.7	
81 Bromobenzene	77	9.337	9.339	-0.002	286200	19.1	
82 N-Propylbenzene	91	9.348	9.350	-0.002	848930	19.9	
83 1,1,2,2-Tetrachloroethane	83	9.399	9.401	-0.002	87674	18.3	
84 2-Chlorotoluene	91	9.472	9.479	-0.007	548030	19.4	
85 1,3,5-Trimethylbenzene	105	9.497	9.500	-0.003	552174	20.3	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
86 1,2,3-Trichloropropane	110	9.513	9.520	-0.007	20858	22.9	
87 trans-1,4-Dichloro-2-butene	53	9.539	9.546	-0.007	33551	21.5	
88 4-Chlorotoluene	91	9.606	9.608	-0.002	495300	19.9	
89 tert-Butylbenzene	119	9.745	9.753	-0.008	454376	21.0	
90 1,2,4-Trimethylbenzene	105	9.802	9.805	-0.003	545625	19.7	
91 sec-Butylbenzene	105	9.885	9.892	-0.007	758871	20.5	
92 4-Isopropyltoluene	119	9.994	10.001	-0.007	592449	21.2	
93 1,3-Dichlorobenzene	146	10.066	10.073	-0.007	247809	20.0	
* 94 1,4-Dichlorobenzene-d4	152	10.123	10.130	-0.007	139060	20.0	
95 1,4-Dichlorobenzene	146	10.138	10.140	-0.002	242389	19.6	
96 n-Butylbenzene	91	10.340	10.347	-0.007	637401	19.9	
97 1,2-Dichlorobenzene	146	10.495	10.497	-0.002	199852	19.3	
98 1,2-Dibromo-3-Chloropropane	157	11.265	11.277	-0.012	10454	19.5	
99 1,3,5-Trichlorobenzene	180	11.291	11.303	-0.012	182702	20.3	
100 Hexachlorobutadiene	225	12.014	12.032	-0.018	71402	19.9	
101 1,2,4-Trichlorobenzene	180	12.066	12.078	-0.012	142491	21.0	
102 Naphthalene	128	12.531	12.544	-0.013	178894	20.0	
103 1,2,3-Trichlorobenzene	180	12.805	12.823	-0.018	108134	21.6	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 10-Sep-2009 11:18:54 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44839.D

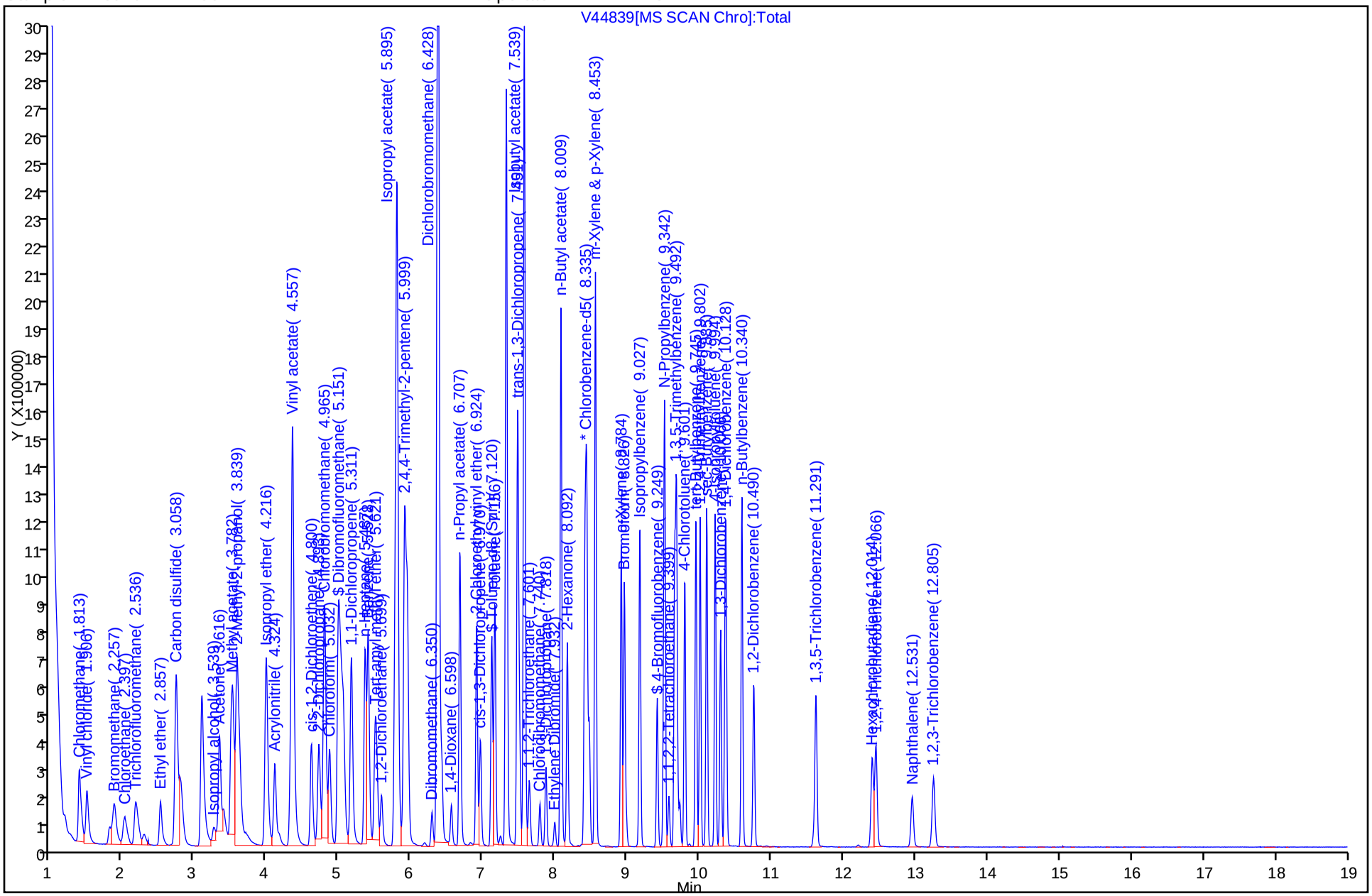
Inj Date: 09-Sep-2009 17:30:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48767 Lims Sample ID: 4

Client ID: Instrument: HP #1 GC/MS

Sample Info: LCSD 360-48765/2-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48877/2-A

Matrix: Solid | Lab File ID: V44923.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/12/2009 13:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	104		2.5	1.0
71-55-6	1,1,1-Trichloroethane	92.3		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	92.9		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	96.1		12	1.0
79-00-5	1,1,2-Trichloroethane	97.2		2.5	1.0
75-34-3	1,1-Dichloroethane	98.8		2.5	1.0
75-35-4	1,1-Dichloroethene	100		2.5	1.0
563-58-6	1,1-Dichloropropene	95.7		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	112		2.5	1.0
96-18-4	1,2,3-Trichloropropane	116		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	109		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	97.9		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	104		25	1.8
106-93-4	Ethylene Dibromide	98.7		2.5	1.0
95-50-1	1,2-Dichlorobenzene	98.9		2.5	1.0
107-06-2	1,2-Dichloroethane	96.4		2.5	1.0
67-64-1	Acetone	1020		250	18
78-87-5	1,2-Dichloropropane	106		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	102		2.5	1.0
541-73-1	1,3-Dichlorobenzene	101		2.5	1.0
142-28-9	1,3-Dichloropropane	95.2		2.5	1.0
106-46-7	1,4-Dichlorobenzene	97.4		2.5	1.0
123-91-1	1,4-Dioxane	1030		250	33
594-20-7	2,2-Dichloropropane	110		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	107		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	100		5.0	1.0
95-49-8	2-Chlorotoluene	97.2		2.5	1.0
591-78-6	2-Hexanone	885		25	5.1
106-43-4	4-Chlorotoluene	99.1		2.5	1.0
71-43-2	Benzene	95.6		2.5	1.0
108-86-1	Bromobenzene	95.6		2.5	1.0
74-97-5	Chlorobromomethane	97.7		2.5	1.0
75-27-4	Dichlorobromomethane	94.1		2.5	1.0
75-25-2	Bromoform	88.6		2.5	1.0
74-83-9	Bromomethane	100		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48877/2-A

Matrix: Solid | Lab File ID: V44923.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/12/2009 13:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	100		2.5	1.0
75-15-0	Carbon disulfide	96.1		2.5	1.0
56-23-5	Carbon tetrachloride	95.1		2.5	1.0
108-90-7	Chlorobenzene	99.8		2.5	1.0
75-00-3	Chloroethane	95.2		5.0	1.0
67-66-3	Chloroform	99.3		2.5	1.0
74-87-3	Chloromethane	90.1		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	94.8		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	92.7		2.5	1.0
110-82-7	Cyclohexane	90.9		25	2.6
124-48-1	Chlorodibromomethane	92.7		2.5	1.0
74-95-3	Dibromomethane	97.3		2.5	1.0
75-71-8	Dichlorodifluoromethane	60.0		5.0	1.0
60-29-7	Ethyl ether	103		2.5	1.0
108-20-3	Isopropyl ether	93.8		2.5	1.0
637-92-3	Tert-butyl ethyl ether	97.7		2.5	2.5
100-41-4	Ethylbenzene	103		2.5	1.0
87-68-3	Hexachlorobutadiene	101		2.5	1.0
98-82-8	Isopropylbenzene	101		2.5	1.0
79-20-9	Methyl acetate	1200		50	16
78-93-3	2-Butanone (MEK)	923		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	942		25	5.2
1634-04-4	Methyl tert-butyl ether	95.7		2.5	1.0
108-87-2	Methylcyclohexane	95.3		2.5	1.0
75-09-2	Methylene Chloride	99.7		10	4.8
136777-61-2	m-Xylene & p-Xylene	195		5.0	1.0
91-20-3	Naphthalene	101		25	1.0
103-65-1	N-Propylbenzene	99.3		2.5	1.0
95-47-6	o-Xylene	97.5		2.5	1.0
99-87-6	4-Isopropyltoluene	107		2.5	1.0
135-98-8	sec-Butylbenzene	103		2.5	1.0
100-42-5	Styrene	97.6		2.5	1.0
994-05-8	Tert-amyl methyl ether	100		2.5	1.0
98-06-6	tert-Butylbenzene	104		2.5	1.0
127-18-4	Tetrachloroethene	102		2.5	1.0
109-99-9	Tetrahydrofuran	1110		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48877/2-A

Matrix: Solid | Lab File ID: V44923.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/12/2009 13:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48878 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	98.7		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	91.0		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	94.9		2.5	1.0
79-01-6	Trichloroethene	98.8		2.5	1.0
75-69-4	Trichlorofluoromethane	92.2		5.0	1.0
75-01-4	Vinyl chloride	91.0		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	97	70-130	
1868-53-7	Dibromofluoromethane	100	70-130	
2037-26-5	Toluene-d8 (Surr)	100	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44923.D		
Lims ID:	LCSD 360-48877/2-A	Client ID:	
Inject. Date:	12-Sep-2009 13:19:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	LCSD 360-48877/2-A		
Misc. Info.:	360-0001152-004		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	48878	Lims Sample ID:	4
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\WES1SOIL.m		
Last Update:	14-Sep-2009 08:52:18	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By:	rouleauc	Date:	14-Sep-2009 08:56:16

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.639	1.640	-0.001	138839	12.0	M
2 Chloromethane	50	1.825	1.821	0.004	365553	18.0	
3 Vinyl chloride	62	1.924	1.919	0.005	258774	18.2	
4 Bromomethane	94	2.280	2.276	0.004	143331	20.0	
5 Chloroethane	64	2.415	2.405	0.010	148363	19.0	
6 Trichlorofluoromethane	101	2.559	2.549	0.010	229335	18.4	
7 Ethyl ether	59	2.874	2.875	-0.001	120139	20.6	
8 1,1-Dichloroethene	96	3.071	3.066	0.005	147185	20.0	
10 Carbon disulfide	76	3.086	3.082	0.004	642351	19.2	
9 Ethanol	45	3.081	3.092	-0.011	45105	1154.1	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.138	3.133	0.005	85638	19.2	
12 Acrolein	56	3.412	3.407	0.005	445688	500.1	
13 Isopropyl alcohol	45	3.567	3.562	0.005	287509	1154.8	
14 Methylene Chloride	84	3.639	3.635	0.004	167136	19.9	
15 Acetone	43	3.696	3.692	0.004	256980	204.8	
16 trans-1,2-Dichloroethene	61	3.789	3.785	0.004	307872	18.2	
17 Methyl acetate	43	3.815	3.810	0.005	837339	239.9	M
18 Hexane	57	3.862	3.857	0.005	390672	19.1	
19 Methyl tert-butyl ether	73	3.893	3.893	0.000	321173	19.1	
20 2-Methyl-2-propanol	59	3.991	3.976	0.015	77859	178.6	
21 Isopropyl ether	45	4.239	4.234	0.005	895612	18.8	
22 1,1-Dichloroethane	63	4.347	4.348	-0.001	352064	19.8	
23 Acrylonitrile	53	4.409	4.405	0.004	34483	22.2	
24 Tert-butyl ethyl ether	59	4.559	4.560	-0.001	559719	19.5	
25 Vinyl acetate	43	4.580	4.575	0.005	2399693	174.1	
26 cis-1,2-Dichloroethene	61	4.823	4.818	0.005	279972	19.0	
27 2,2-Dichloropropane	77	4.921	4.916	0.005	244225	21.9	
28 Cyclohexane	56	4.988	4.983	0.005	385772	18.2	
29 Chlorobromomethane	130	4.993	4.989	0.004	64989	19.5	
30 Chloroform	83	5.055	5.056	-0.001	278090	19.9	
31 Ethyl acetate	43	5.164	5.164	0.000	1017320	216.3	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117	5.174	5.170	0.004	166821	19.0	
33 Tetrahydrofuran	42	5.190	5.190	0.000	370424	221.1	
34 sec-Butyl Alcohol	45	5.200	5.195	0.005	488815	1070.8	
$ 35 Dibromofluoromethane	113	5.210	5.211	-0.001	111866	20.0	
36 1,1,1-Trichloroethane	97	5.236	5.232	0.004	231242	18.5	
37 2-Butanone (MEK)	43	5.329	5.325	0.004	400649	184.5	
38 1,1-Dichloropropene	75	5.340	5.335	0.005	229128	19.1	
39 n-Heptane	43	5.510	5.511	-0.001	392944	18.4	
40 Benzene	78	5.551	5.547	0.004	620049	19.1	
41 Tert-amyl methyl ether	73	5.644	5.640	0.004	365779	20.0	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.670	5.666	0.004	22745	20.0	
43 1,2-Dichloroethane	62	5.722	5.722	0.000	150486	19.3	
* 44 Fluorobenzene	96	5.893	5.893	0.000	479756	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.918	5.914	0.004	173621	21.3	
46 Isopropyl acetate	43	5.924	5.919	0.005	2125673	213.5	
47 Methylcyclohexane	83	6.017	6.017	0.000	286935	19.1	
48 Trichloroethene	95	6.027	6.022	0.005	143790	19.8	
49 2,4,4-Trimethyl-2-pentene	112	6.053	6.048	0.005	89841	20.0	
50 Dibromomethane	93	6.368	6.368	0.000	55718	19.5	
51 1,2-Dichloropropane	63	6.451	6.451	0.000	142614	21.1	
52 Dichlorobromomethane	83	6.497	6.493	0.005	155902	18.8	
53 Methyl methacrylate	69	6.621	6.617	0.004	41952	19.8	
54 1,4-Dioxane	88	6.668	6.653	0.015	5030	205.9	
55 n-Propyl acetate	43	6.730	6.725	0.005	1251350	209.9	
56 2-Chloroethyl vinyl ether	63	6.942	6.942	0.000	290570	316.6	
57 cis-1,3-Dichloropropene	75	6.993	6.994	-0.001	176858	18.5	
$ 58 Toluene-d8 (Surr)	98	7.138	7.138	0.000	427183	20.1	
59 Toluene	92	7.179	7.175	0.004	324983	19.7	
60 Tetrachloroethene	164	7.469	7.469	0.000	91253	20.4	
61 4-Methyl-2-pentanone (MIBK)	43	7.469	7.469	0.000	922955	188.3	
62 trans-1,3-Dichloropropene	75	7.495	7.495	0.000	132393	19.0	
63 Isobutyl acetate	43	7.557	7.557	0.000	2948518	209.8	
64 1,1,2-Trichloroethane	83	7.619	7.619	0.000	58273	19.4	
65 Chlorodibromomethane	129	7.758	7.759	-0.001	66883	18.5	
66 1,3-Dichloropropane	76	7.836	7.831	0.005	129202	19.0	
67 Ethylene Dibromide	107	7.949	7.945	0.004	59724	19.7	
68 n-Butyl acetate	43	8.027	8.027	0.000	1579268	199.5	
69 2-Hexanone	43	8.110	8.105	0.005	540632	177.1	
* 70 Chlorobenzene-d5	117	8.332	8.332	0.000	288925	20.0	
71 Chlorobenzene	112	8.342	8.343	-0.001	313790	20.0	
72 Ethylbenzene	91	8.358	8.358	0.000	633734	20.6	
73 1,1,1,2-Tetrachloroethane	131	8.389	8.389	0.000	99432	20.8	
74 m-Xylene & p-Xylene	91	8.471	8.467	0.004	986869	39.0	
75 o-Xylene	91	8.802	8.803	-0.001	534619	19.5	
76 Styrene	104	8.843	8.839	0.004	363719	19.5	
77 Bromoform	173	8.864	8.865	-0.001	40663	17.7	
78 Isopropylbenzene	105	9.040	9.040	0.000	659778	20.3	
$ 80 4-Bromofluorobenzene	95	9.262	9.262	0.000	160826	19.4	
81 Bromobenzene	77	9.350	9.350	0.000	281585	19.1	
82 N-Propylbenzene	91	9.360	9.361	-0.001	833108	19.9	
83 1,1,2,2-Tetrachloroethane	83	9.412	9.412	0.000	88997	18.6	
84 2-Chlorotoluene	91	9.489	9.485	0.004	539047	19.4	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
85 1,3,5-Trimethylbenzene	105	9.510	9.511	-0.001	543644	20.3	
86 1,2,3-Trichloropropane	110	9.526	9.526	0.000	20796	23.2	
87 trans-1,4-Dichloro-2-butene	53	9.557	9.557	0.000	32193	21.0	
88 4-Chlorotoluene	91	9.619	9.614	0.005	483938	19.8	
89 tert-Butylbenzene	119	9.763	9.759	0.004	442459	20.8	
90 1,2,4-Trimethylbenzene	105	9.815	9.815	0.000	532264	19.6	
91 sec-Butylbenzene	105	9.898	9.898	0.000	746181	20.5	
92 4-Isopropyltoluene	119	10.006	10.007	-0.001	589440	21.5	
93 1,3-Dichlorobenzene	146	10.079	10.079	-0.001	245558	20.2	
* 94 1,4-Dichlorobenzene-d4	152	10.135	10.136	-0.001	139063	20.0	
95 1,4-Dichlorobenzene	146	10.151	10.146	0.005	241347	19.5	
96 n-Butylbenzene	91	10.352	10.353	-0.001	643873	20.1	
97 1,2-Dichlorobenzene	146	10.507	10.508	-0.001	205037	19.8	
98 1,2-Dibromo-3-Chloropropane	157	11.283	11.278	0.005	11130	20.8	
99 1,3,5-Trichlorobenzene	180	11.308	11.309	-0.001	192885	21.4	
100 Hexachlorobutadiene	225	12.037	12.032	0.005	72596	20.2	
101 1,2,4-Trichlorobenzene	180	12.084	12.084	0.000	147941	21.8	
102 Naphthalene	128	12.554	12.549	0.005	181362	20.2	
103 1,2,3-Trichlorobenzene	180	12.828	12.823	0.005	112692	22.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Sep-2009 08:56:17 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090912-1.b\V44923.D

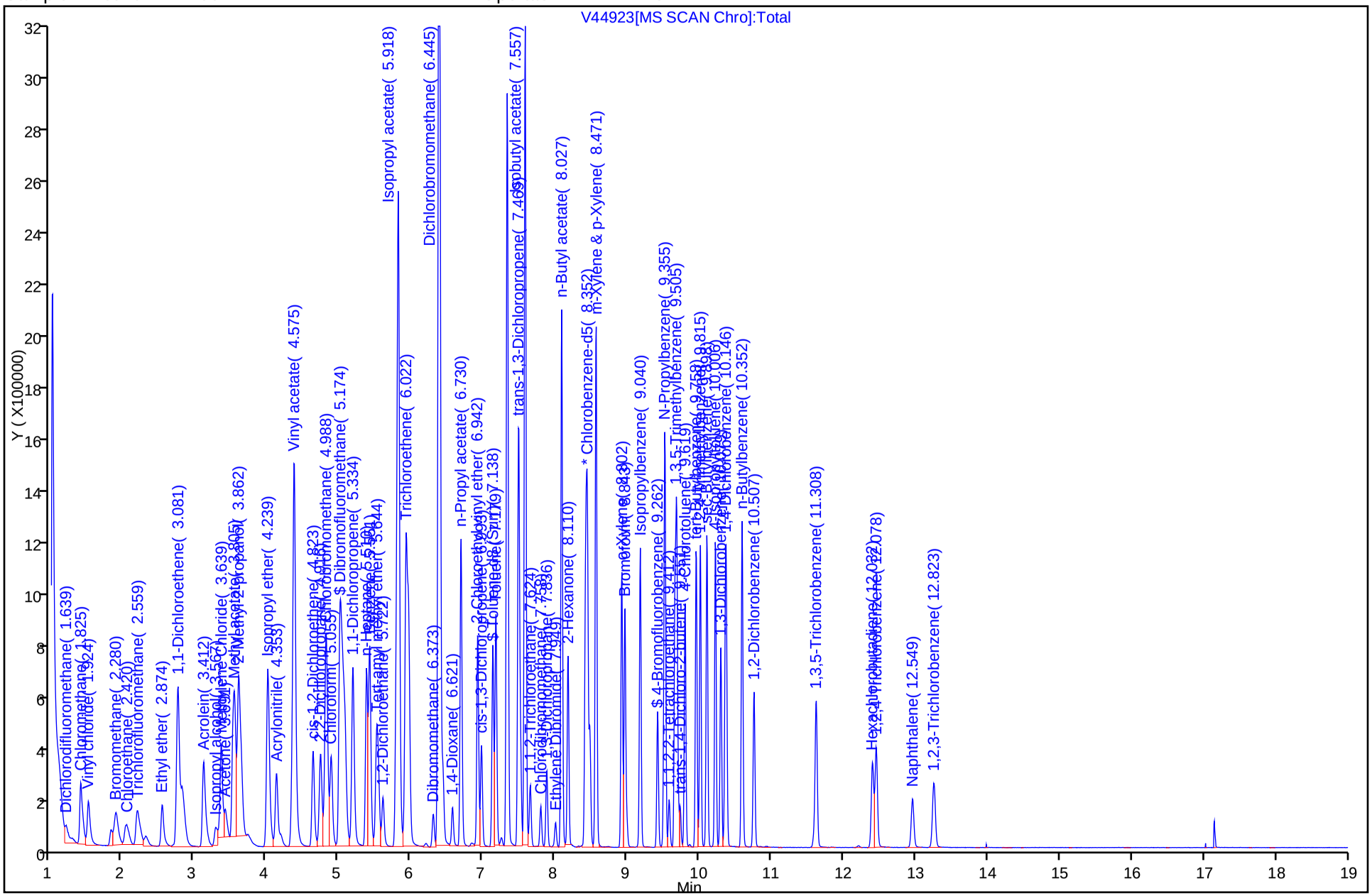
Inj Date: 12-Sep-2009 13:19:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48878 Lims Sample ID: 4

Client ID: Instrument: HP #1 GC/MS

Sample Info: LCSD 360-48877/2-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48975/2-A

Matrix: Solid | Lab File ID: V45015.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/15/2009 15:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48976 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	99.0		2.5	1.0
71-55-6	1,1,1-Trichloroethane	92.1		2.5	1.0
79-34-5	1,1,2,2-Tetrachloroethane	87.2		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	92.7		12	1.0
79-00-5	1,1,2-Trichloroethane	94.5		2.5	1.0
75-34-3	1,1-Dichloroethane	97.7		2.5	1.0
75-35-4	1,1-Dichloroethene	98.2		2.5	1.0
563-58-6	1,1-Dichloropropene	94.6		2.5	1.0
87-61-6	1,2,3-Trichlorobenzene	103		2.5	1.0
96-18-4	1,2,3-Trichloropropane	112		2.5	1.5
120-82-1	1,2,4-Trichlorobenzene	102		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	94.2		2.5	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	91.0		25	1.8
106-93-4	Ethylene Dibromide	98.5		2.5	1.0
95-50-1	1,2-Dichlorobenzene	94.2		2.5	1.0
107-06-2	1,2-Dichloroethane	95.0		2.5	1.0
67-64-1	Acetone	984		250	18
78-87-5	1,2-Dichloropropane	106		2.5	1.0
108-67-8	1,3,5-Trimethylbenzene	97.3		2.5	1.0
541-73-1	1,3-Dichlorobenzene	95.4		2.5	1.0
142-28-9	1,3-Dichloropropane	93.2		2.5	1.0
106-46-7	1,4-Dichlorobenzene	94.0		2.5	1.0
123-91-1	1,4-Dioxane	1190		250	33
594-20-7	2,2-Dichloropropane	105		2.5	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	105		5.0	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	98.5		5.0	1.0
95-49-8	2-Chlorotoluene	93.8		2.5	1.0
591-78-6	2-Hexanone	882		25	5.1
106-43-4	4-Chlorotoluene	94.4		2.5	1.0
71-43-2	Benzene	96.1		2.5	1.0
108-86-1	Bromobenzene	90.1		2.5	1.0
74-97-5	Chlorobromomethane	95.8		2.5	1.0
75-27-4	Dichlorobromomethane	92.0		2.5	1.0
75-25-2	Bromoform	88.2		2.5	1.0
74-83-9	Bromomethane	104		5.0	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48975/2-A

Matrix: Solid | Lab File ID: V45015.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/15/2009 15:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48976 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	96.3		2.5	1.0
75-15-0	Carbon disulfide	93.9		2.5	1.0
56-23-5	Carbon tetrachloride	93.1		2.5	1.0
108-90-7	Chlorobenzene	99.0		2.5	1.0
75-00-3	Chloroethane	96.8		5.0	1.0
67-66-3	Chloroform	94.9		2.5	1.0
74-87-3	Chloromethane	91.5		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	93.0		2.5	1.0
10061-01-5	cis-1,3-Dichloropropene	93.4		2.5	1.0
110-82-7	Cyclohexane	94.5		25	2.6
124-48-1	Chlorodibromomethane	91.0		2.5	1.0
74-95-3	Dibromomethane	96.5		2.5	1.0
75-71-8	Dichlorodifluoromethane	59.9		5.0	1.0
60-29-7	Ethyl ether	104		2.5	1.0
108-20-3	Isopropyl ether	91.6		2.5	1.0
637-92-3	Tert-butyl ethyl ether	93.8		2.5	2.5
100-41-4	Ethylbenzene	102		2.5	1.0
87-68-3	Hexachlorobutadiene	100		2.5	1.0
98-82-8	Isopropylbenzene	97.6		2.5	1.0
79-20-9	Methyl acetate	1250		50	16
78-93-3	2-Butanone (MEK)	908		25	6.7
108-10-1	4-Methyl-2-pentanone (MIBK)	922		25	5.2
1634-04-4	Methyl tert-butyl ether	91.6		2.5	1.0
108-87-2	Methylcyclohexane	99.0		2.5	1.0
75-09-2	Methylene Chloride	102		10	4.8
136777-61-2	m-Xylene & p-Xylene	191		5.0	1.0
91-20-3	Naphthalene	92.0		25	1.0
103-65-1	N-Propylbenzene	95.8		2.5	1.0
95-47-6	o-Xylene	95.1		2.5	1.0
99-87-6	4-Isopropyltoluene	102		2.5	1.0
135-98-8	sec-Butylbenzene	97.7		2.5	1.0
100-42-5	Styrene	94.5		2.5	1.0
994-05-8	Tert-amyl methyl ether	97.1		2.5	1.0
98-06-6	tert-Butylbenzene	99.0		2.5	1.0
127-18-4	Tetrachloroethene	105		2.5	1.0
109-99-9	Tetrahydrofuran	1060		25	5.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48975/2-A

Matrix: Solid | Lab File ID: V45015.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/15/2009 15:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 48976 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	99.8		2.5	1.0
156-60-5	trans-1,2-Dichloroethene	89.0		2.5	1.0
10061-02-6	trans-1,3-Dichloropropene	94.5		2.5	1.0
79-01-6	Trichloroethene	100		2.5	1.0
75-69-4	Trichlorofluoromethane	93.6		5.0	1.0
75-01-4	Vinyl chloride	91.8		2.5	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	95	70-130	
1868-53-7	Dibromofluoromethane	99	70-130	
2037-26-5	Toluene-d8 (Surr)	102	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45015.D		
Lims ID:	LCSD 360-48975/2-A	Client ID:	
Inject. Date:	15-Sep-2009 15:57:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	LCSD 360-48975/2-A		
Misc. Info.:	360-0001175-004		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	48976	Lims Sample ID:	4
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\WES1SOIL.m		
Last Update:	16-Sep-2009 08:27:44	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 16-Sep-2009 08:30:17

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.649	1.645	0.004	138767	12.0	M
2 Chloromethane	50	1.830	1.831	-0.001	370611	18.3	
3 Vinyl chloride	62	1.933	1.934	-0.001	260975	18.4	
4 Bromomethane	94	2.290	2.291	-0.001	149114	20.8	
5 Chloroethane	64	2.429	2.430	-0.001	150680	19.4	
6 Trichlorofluoromethane	101	2.558	2.559	-0.001	232593	18.7	
7 Ethyl ether	59	2.879	2.880	-0.001	121620	20.9	
8 1,1-Dichloroethene	96	3.075	3.071	0.004	144630	19.6	
10 Carbon disulfide	76	3.091	3.086	0.005	627253	18.8	
9 Ethanol	45	3.086	3.086	0.000	47202	1209.3	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.142	3.148	-0.006	82657	18.5	
12 Acrolein	56	3.416	3.412	0.004	857354	1045.9	
13 Isopropyl alcohol	45	3.571	3.572	-0.001	279648	1123.0	
14 Methylene Chloride	84	3.644	3.645	0.000	170529	20.4	
15 Acetone	43	3.701	3.696	0.005	247249	196.9	
16 trans-1,2-Dichloroethene	61	3.794	3.789	0.005	301061	17.8	
17 Methyl acetate	43	3.814	3.815	-0.001	871661	249.7	M
18 Hexane	57	3.866	3.867	-0.001	402278	19.7	
19 Methyl tert-butyl ether	73	3.897	3.898	-0.001	307201	18.3	
20 2-Methyl-2-propanol	59	3.995	3.991	0.004	76025	189.6	
21 Isopropyl ether	45	4.243	4.244	-0.001	874406	18.3	
22 1,1-Dichloroethane	63	4.352	4.353	0.000	348002	19.5	
23 Acrylonitrile	53	4.414	4.415	-0.001	32656	21.0	
24 Tert-butyl ethyl ether	59	4.564	4.564	0.000	537153	18.8	
25 Vinyl acetate	43	4.584	4.585	-0.001	2210203	160.4	
26 cis-1,2-Dichloroethene	61	4.827	4.823	0.004	274344	18.6	
27 2,2-Dichloropropane	77	4.920	4.921	-0.001	234832	21.0	
28 Cyclohexane	56	4.993	4.993	0.000	400998	18.9	
29 Chlorobromomethane	130	4.998	4.998	0.000	63689	19.2	
30 Chloroform	83	5.060	5.061	0.000	265994	19.0	
31 Ethyl acetate	43	5.168	5.169	-0.001	991468	210.8	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
32 Carbon tetrachloride	117	5.173	5.174	-0.001	163317	18.6	
33 Tetrahydrofuran	42	5.194	5.195	-0.001	354920	211.8	
34 sec-Butyl Alcohol	45	5.204	5.205	-0.001	477276	1045.7	
$ 35 Dibromofluoromethane	113	5.215	5.216	-0.001	110771	19.8	
36 1,1,1-Trichloroethane	97	5.241	5.236	0.005	230756	18.4	
37 2-Butanone (MEK)	43	5.334	5.334	0.000	394105	181.5	
38 1,1-Dichloropropene	75	5.344	5.340	0.004	226431	18.9	
39 n-Heptane	43	5.515	5.515	0.000	416372	19.5	
40 Benzene	78	5.556	5.557	-0.001	623258	19.2	
41 Tert-amyl methyl ether	73	5.649	5.650	-0.001	355091	19.4	
* 42 1,2-Dichloroethane-d4 ISTD	102	5.670	5.670	0.000	20920	20.0	
43 1,2-Dichloroethane	62	5.726	5.727	-0.001	148284	19.0	
* 44 Fluorobenzene	96	5.897	5.898	-0.001	479697	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.918	5.924	-0.006	171344	21.0	
46 Isopropyl acetate	43	5.923	5.924	-0.001	2064846	207.4	
47 Methylcyclohexane	83	6.021	6.022	-0.001	297974	19.8	
48 Trichloroethene	95	6.031	6.032	-0.001	145927	20.1	
49 2,4,4-Trimethyl-2-pentene	112	6.057	6.058	-0.001	88479	19.7	
50 Dibromomethane	93	6.372	6.373	-0.001	55246	19.3	
51 1,2-Dichloropropane	63	6.455	6.456	-0.001	142761	21.1	
52 Dichlorobromomethane	83	6.502	6.497	0.005	152316	18.4	
53 Methyl methacrylate	69	6.626	6.621	0.005	41503	19.6	
54 1,4-Dioxane	88	6.667	6.668	-0.001	5336	238.8	
55 n-Propyl acetate	43	6.734	6.730	0.004	1217222	204.2	
56 2-Chloroethyl vinyl ether	63	6.946	6.947	-0.001	310571	337.3	
57 cis-1,3-Dichloropropene	75	6.998	6.998	0.000	178038	18.7	
$ 58 Toluene-d8 (Surr)	98	7.142	7.143	-0.001	435501	20.4	
59 Toluene	92	7.184	7.185	0.000	328411	20.0	
60 Tetrachloroethene	164	7.473	7.474	-0.001	93657	21.0	
61 4-Methyl-2-pentanone (MIBK)	43	7.473	7.474	-0.001	903279	184.3	
62 trans-1,3-Dichloropropene	75	7.499	7.500	-0.001	131745	18.9	
63 Isobutyl acetate	43	7.561	7.562	-0.001	2842427	202.3	
64 1,1,2-Trichloroethane	83	7.623	7.624	-0.001	56609	18.9	
65 Chlorodibromomethane	129	7.763	7.763	0.000	65669	18.2	
66 1,3-Dichloropropane	76	7.840	7.836	0.004	126475	18.6	
67 Ethylene Dibromide	107	7.954	7.949	0.005	59634	19.7	
68 n-Butyl acetate	43	8.031	8.032	-0.001	1504984	190.1	
69 2-Hexanone	43	8.114	8.110	0.004	538558	176.4	
* 70 Chlorobenzene-d5	117	8.336	8.337	-0.001	293962	20.0	
71 Chlorobenzene	112	8.347	8.347	-0.001	316757	19.8	
72 Ethylbenzene	91	8.362	8.363	-0.001	639624	20.4	
73 1,1,1,2-Tetrachloroethane	131	8.393	8.394	-0.001	96442	19.8	
74 m-Xylene & p-Xylene	91	8.471	8.471	0.000	984231	38.3	
75 o-Xylene	91	8.806	8.807	-0.001	530216	19.0	
76 Styrene	104	8.848	8.843	0.005	358432	18.9	
77 Bromoform	173	8.868	8.869	-0.001	40189	17.6	
78 Isopropylbenzene	105	9.044	9.045	-0.001	645339	19.5	
$ 80 4-Bromofluorobenzene	95	9.266	9.267	-0.001	160198	19.0	
81 Bromobenzene	77	9.354	9.355	-0.001	270028	18.0	
82 N-Propylbenzene	91	9.365	9.365	0.000	817472	19.2	
83 1,1,2,2-Tetrachloroethane	83	9.416	9.417	-0.001	82960	17.4	
84 2-Chlorotoluene	91	9.494	9.495	-0.001	528855	18.8	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
85 1,3,5-Trimethylbenzene	105	9.514	9.515	-0.001	529008	19.5	
86 1,2,3-Trichloropropane	110	9.530	9.531	-0.001	20411	22.4	
87 trans-1,4-Dichloro-2-butene	53	9.561	9.557	0.004	30433	19.5	
88 4-Chlorotoluene	91	9.623	9.619	0.004	469077	18.9	
89 tert-Butylbenzene	119	9.763	9.763	-0.001	428453	19.8	
90 1,2,4-Trimethylbenzene	105	9.819	9.820	-0.001	520889	18.8	
91 sec-Butylbenzene	105	9.902	9.903	-0.001	723065	19.5	
92 4-Isopropyltoluene	119	10.011	10.011	0.000	567376	20.3	
93 1,3-Dichlorobenzene	146	10.083	10.084	-0.001	236181	19.1	
* 94 1,4-Dichlorobenzene-d4	152	10.140	10.141	-0.001	138104	20.0	
95 1,4-Dichlorobenzene	146	10.155	10.156	-0.001	231283	18.8	
96 n-Butylbenzene	91	10.357	10.358	-0.001	613506	19.3	
97 1,2-Dichlorobenzene	146	10.512	10.513	-0.001	194112	18.8	
98 1,2-Dibromo-3-Chloropropane	157	11.287	11.288	-0.001	9673	18.2	
99 1,3,5-Trichlorobenzene	180	11.313	11.314	-0.001	191602	21.4	
100 Hexachlorobutadiene	225	12.036	12.042	-0.006	71627	20.1	
101 1,2,4-Trichlorobenzene	180	12.088	12.089	-0.001	137256	20.4	
102 Naphthalene	128	12.558	12.559	-0.001	163629	18.4	
103 1,2,3-Trichlorobenzene	180	12.832	12.833	-0.001	102910	20.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 16-Sep-2009 08:30:17 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090915-1.b\V45015.D

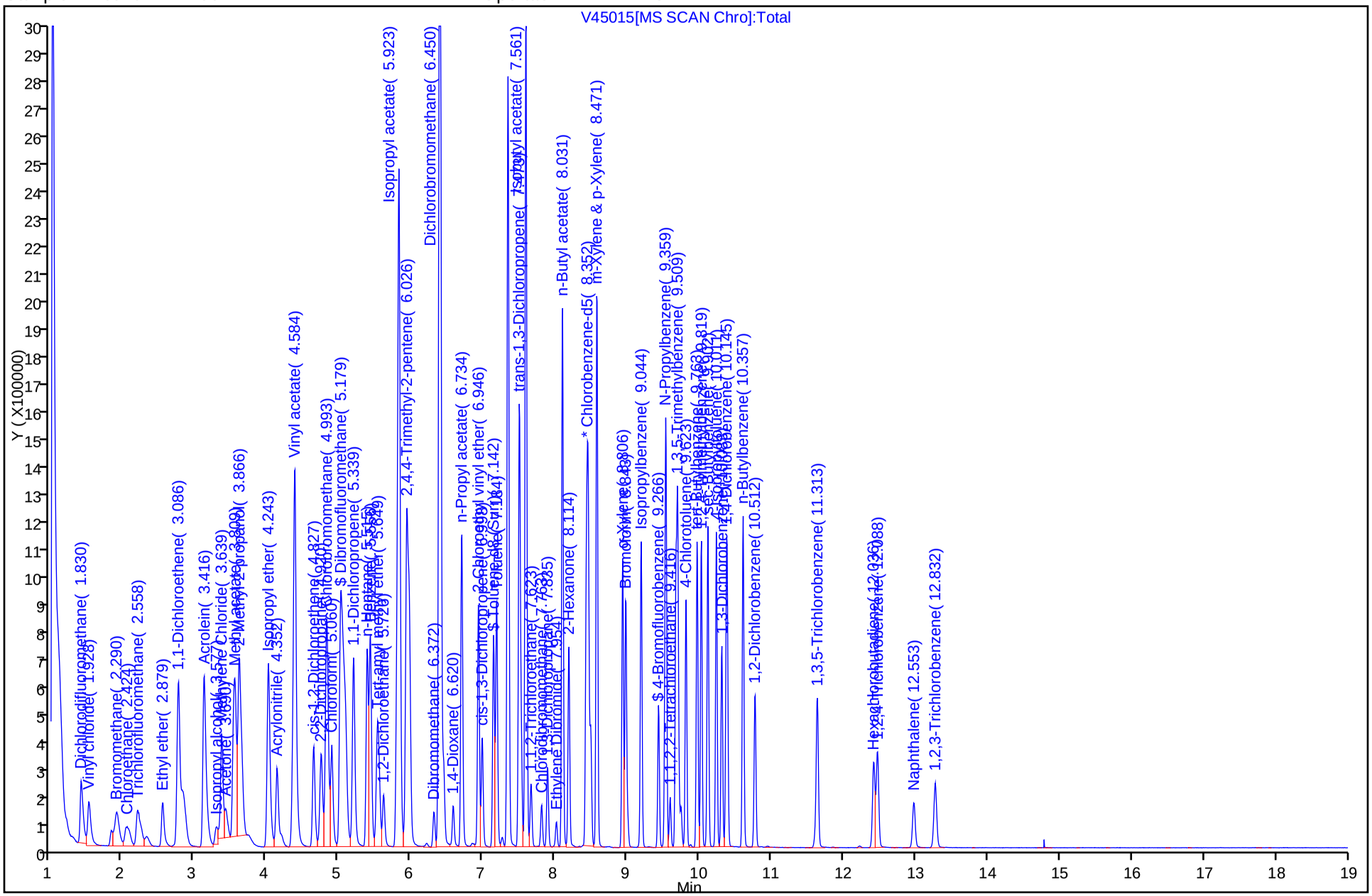
Inj Date: 15-Sep-2009 15:57:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48976 Lims Sample ID: 4

Client ID: Instrument: HP #1 GC/MS

Sample Info: LCSD 360-48975/2-A

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MS | Lab Sample ID: 360-24417-10 MS

Matrix: Solid | Lab File ID: V44840.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:45

Sample wt/vol: 5.96(g) | Date Analyzed: 09/09/2009 17:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	94.4		2.4	0.95
71-55-6	1,1,1-Trichloroethane	87.0		2.4	0.95
79-34-5	1,1,2,2-Tetrachloroethane	85.4		2.4	0.95
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	87.6		12	0.95
79-00-5	1,1,2-Trichloroethane	87.0		2.4	0.95
75-34-3	1,1-Dichloroethane	93.0		2.4	0.95
75-35-4	1,1-Dichloroethene	91.2		2.4	0.95
563-58-6	1,1-Dichloropropene	86.9		2.4	0.95
87-61-6	1,2,3-Trichlorobenzene	91.5		2.4	0.95
96-18-4	1,2,3-Trichloropropane	99.4		2.4	1.4
120-82-1	1,2,4-Trichlorobenzene	91.6		2.4	0.95
95-63-6	1,2,4-Trimethylbenzene	87.5		2.4	0.95
96-12-8	1,2-Dibromo-3-Chloropropane	88.6		24	1.7
106-93-4	Ethylene Dibromide	87.2		2.4	0.95
95-50-1	1,2-Dichlorobenzene	88.9		2.4	0.95
107-06-2	1,2-Dichloroethane	86.3		2.4	0.95
67-64-1	Acetone	791		240	17
78-87-5	1,2-Dichloropropane	99.1		2.4	0.95
108-67-8	1,3,5-Trimethylbenzene	91.1		2.4	0.95
541-73-1	1,3-Dichlorobenzene	87.0		2.4	0.95
142-28-9	1,3-Dichloropropane	86.3		2.4	0.95
106-46-7	1,4-Dichlorobenzene	89.6		2.4	0.95
123-91-1	1,4-Dioxane	900		240	31
594-20-7	2,2-Dichloropropane	102		2.4	0.95
107-39-1	2,4,4-Trimethyl-1-pentene	103		4.7	0.95
107-40-4	2,4,4-Trimethyl-2-pentene	95.3		4.7	0.95
95-49-8	2-Chlorotoluene	87.4		2.4	0.95
591-78-6	2-Hexanone	768		24	4.9
106-43-4	4-Chlorotoluene	89.4		2.4	0.95
71-43-2	Benzene	88.1		2.4	0.95
108-86-1	Bromobenzene	87.7		2.4	0.95
74-97-5	Chlorobromomethane	86.5		2.4	0.95
75-27-4	Dichlorobromomethane	85.1		2.4	0.95
75-25-2	Bromoform	78.7		2.4	0.95
74-83-9	Bromomethane	86.7		4.7	0.95

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MS | Lab Sample ID: 360-24417-10 MS

Matrix: Solid | Lab File ID: V44840.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:45

Sample wt/vol: 5.96(g) | Date Analyzed: 09/09/2009 17:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	92.0		2.4	0.95
75-15-0	Carbon disulfide	83.9		2.4	0.95
56-23-5	Carbon tetrachloride	87.9		2.4	0.95
108-90-7	Chlorobenzene	92.0		2.4	0.95
75-00-3	Chloroethane	90.9		4.7	0.95
67-66-3	Chloroform	89.2		2.4	0.95
74-87-3	Chloromethane	83.5		4.7	0.95
156-59-2	cis-1,2-Dichloroethene	87.6		2.4	0.95
10061-01-5	cis-1,3-Dichloropropene	85.3		2.4	0.95
110-82-7	Cyclohexane	93.1		24	2.4
124-48-1	Chlorodibromomethane	82.3		2.4	0.95
74-95-3	Dibromomethane	83.1		2.4	0.95
75-71-8	Dichlorodifluoromethane	60.1		4.7	0.95
60-29-7	Ethyl ether	92.4		2.4	0.95
108-20-3	Isopropyl ether	87.2		2.4	0.95
637-92-3	Tert-butyl ethyl ether	88.1		2.4	2.4
100-41-4	Ethylbenzene	95.4		2.4	0.95
87-68-3	Hexachlorobutadiene	84.9		2.4	0.95
98-82-8	Isopropylbenzene	92.9		2.4	0.95
79-20-9	Methyl acetate	956		47	15
78-93-3	2-Butanone (MEK)	791		24	6.4
108-10-1	4-Methyl-2-pentanone (MIBK)	783		24	4.9
1634-04-4	Methyl tert-butyl ether	84.4		2.4	0.95
108-87-2	Methylcyclohexane	93.2		2.4	0.95
75-09-2	Methylene Chloride	104		9.5	4.6
136777-61-2	m-Xylene & p-Xylene	179		4.7	0.95
91-20-3	Naphthalene	86.1		24	0.95
103-65-1	N-Propylbenzene	90.6		2.4	0.95
95-47-6	o-Xylene	89.6		2.4	0.95
99-87-6	4-Isopropyltoluene	93.7		2.4	0.95
135-98-8	sec-Butylbenzene	90.7		2.4	0.95
100-42-5	Styrene	90.0		2.4	0.95
994-05-8	Tert-amyl methyl ether	88.8		2.4	0.95
98-06-6	tert-Butylbenzene	93.1		2.4	0.95
127-18-4	Tetrachloroethene	91.7		2.4	0.95
109-99-9	Tetrahydrofuran	936		24	5.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MS | Lab Sample ID: 360-24417-10 MS

Matrix: Solid | Lab File ID: V44840.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:45

Sample wt/vol: 5.96(g) | Date Analyzed: 09/09/2009 17:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	90.3		2.4	0.95
156-60-5	trans-1,2-Dichloroethene	82.8		2.4	0.95
10061-02-6	trans-1,3-Dichloropropene	86.7		2.4	0.95
79-01-6	Trichloroethene	89.9		2.4	0.95
75-69-4	Trichlorofluoromethane	90.8		4.7	0.95
75-01-4	Vinyl chloride	89.8		2.4	0.95

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	97	70-130	
1868-53-7	Dibromofluoromethane	98	70-130	
2037-26-5	Toluene-d8 (Surr)	100	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44840.D		
Lims ID:	360-24417-C-10-B MS	Client ID:	OC-SB-465-8.0/10-XMS
Inject. Date:	09-Sep-2009 17:54:30	Dil. Factor:	1.0000
Sample Type:	MS, Matrix Spike		
Sample ID:	360-24417-C-10-B MS		
Misc. Info.:	360-0001122-012		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	48767	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\WES1SOIL.m		
Last Update:	10-Sep-2009 11:20:32	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 10-Sep-2009 11:20:32

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.635	1.629	0.006	147340	12.7	M
2 Chloromethane	50	1.816	1.810	0.006	358721	17.6	
3 Vinyl chloride	62	1.914	1.908	0.006	269577	18.9	
4 Bromomethane	94	2.265	2.254	0.011	131353	18.3	
5 Chloroethane	64	2.384	2.394	-0.010	149828	19.2	
6 Trichlorofluoromethane	101	2.529	2.533	-0.004	238879	19.2	
7 Ethyl ether	59	2.855	2.854	0.001	114145	19.5	
8 1,1-Dichloroethene	96	3.046	3.045	0.001	142252	19.2	
10 Carbon disulfide	76	3.061	3.060	0.001	593264	17.7	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.118	3.117	0.001	82607	18.5	
14 Methylene Chloride	84	3.614	3.613	0.001	184257	22.0	
15 Acetone	43	3.671	3.665	0.006	211049	166.8	
16 trans-1,2-Dichloroethene	61	3.759	3.763	-0.004	296458	17.5	
17 Methyl acetate	43	3.785	3.789	-0.004	705916	201.6	
19 Methyl tert-butyl ether	73	3.867	3.872	-0.005	299665	17.8	
21 Isopropyl ether	45	4.214	4.213	0.001	880739	18.4	
22 1,1-Dichloroethane	63	4.322	4.327	-0.005	350805	19.6	
24 Tert-butyl ethyl ether	59	4.534	4.538	-0.004	533540	18.6	
26 cis-1,2-Dichloroethene	61	4.792	4.797	-0.005	273506	18.5	
27 2,2-Dichloropropane	77	4.891	4.895	-0.004	240492	21.5	
28 Cyclohexane	56	4.963	4.967	-0.004	417850	19.6	
29 Chlorobromomethane	130	4.968	4.973	-0.005	60890	18.3	
30 Chloroform	83	5.030	5.035	-0.005	264405	18.8	
32 Carbon tetrachloride	117	5.144	5.148	-0.004	163221	18.5	
33 Tetrahydrofuran	42	5.165	5.164	0.001	332111	197.4	
$ 35 Dibromofluoromethane	113	5.185	5.190	-0.005	109620	19.6	
36 1,1,1-Trichloroethane	97	5.206	5.210	-0.004	230561	18.4	
37 2-Butanone (MEK)	43	5.304	5.308	-0.004	363545	166.8	
38 1,1-Dichloropropene	75	5.309	5.314	-0.005	220252	18.3	
40 Benzene	78	5.526	5.531	-0.005	604708	18.6	
41 Tert-amyl methyl ether	73	5.619	5.624	-0.005	343600	18.7	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.645	5.644	0.001	20608	20.0	
43 1,2-Dichloroethane	62	5.697	5.701	-0.004	142468	18.2	
* 44 Fluorobenzene	96	5.867	5.872	-0.005	481261	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.888	5.898	-0.010	178043	21.8	
47 Methylcyclohexane	83	5.991	5.996	-0.005	296694	19.7	
48 Trichloroethene	95	6.002	6.006	-0.004	138475	19.0	
49 2,4,4-Trimethyl-2-pentene	112	6.028	6.032	-0.004	90537	20.1	
50 Dibromomethane	93	6.348	6.352	-0.004	50356	17.5	
51 1,2-Dichloropropane	63	6.431	6.435	-0.004	141553	20.9	
52 Dichlorobromomethane	83	6.472	6.476	-0.004	149154	18.0	
54 1,4-Dioxane	88	6.643	6.642	0.001	4207	189.8	
57 cis-1,3-Dichloropropene	75	6.973	6.973	0.000	172121	18.0	
$ 58 Toluene-d8 (Surr)	98	7.118	7.122	-0.004	429241	20.1	
59 Toluene	92	7.154	7.164	-0.010	314704	19.1	
60 Tetrachloroethene	164	7.449	7.453	-0.004	86702	19.3	
61 4-Methyl-2-pentanone (MIBK)	43	7.449	7.453	-0.004	812388	165.2	
62 trans-1,3-Dichloropropene	75	7.475	7.479	-0.004	127924	18.3	
64 1,1,2-Trichloroethane	83	7.599	7.608	-0.009	55076	18.3	
65 Chlorodibromomethane	129	7.738	7.743	-0.005	62817	17.4	
66 1,3-Dichloropropane	76	7.816	7.820	-0.004	123944	18.2	
67 Ethylene Dibromide	107	7.929	7.934	-0.005	55827	18.4	
69 2-Hexanone	43	8.090	8.094	-0.004	496336	162.0	
* 70 Chlorobenzene-d5	117	8.312	8.316	-0.004	289933	20.0	
71 Chlorobenzene	112	8.327	8.332	-0.005	306028	19.4	
72 Ethylbenzene	91	8.343	8.347	-0.004	621827	20.1	
73 1,1,1,2-Tetrachloroethane	131	8.374	8.378	-0.004	95609	19.9	
74 m-Xylene & p-Xylene	91	8.451	8.456	-0.005	958890	37.8	
75 o-Xylene	91	8.787	8.792	-0.005	519694	18.9	
76 Styrene	104	8.823	8.833	-0.010	354814	19.0	
77 Bromoform	173	8.849	8.854	-0.005	35424	16.6	
78 Isopropylbenzene	105	9.025	9.029	-0.004	638829	19.6	
$ 80 4-Bromofluorobenzene	95	9.247	9.252	-0.005	161922	19.5	
81 Bromobenzene	77	9.335	9.339	-0.004	273192	18.5	
82 N-Propylbenzene	91	9.345	9.350	-0.005	804279	19.1	
83 1,1,2,2-Tetrachloroethane	83	9.397	9.401	-0.004	80593	18.0	
84 2-Chlorotoluene	91	9.469	9.479	-0.010	513002	18.4	
85 1,3,5-Trimethylbenzene	105	9.495	9.500	-0.005	515275	19.2	
86 1,2,3-Trichloropropane	110	9.511	9.520	-0.009	18869	21.0	
88 4-Chlorotoluene	91	9.604	9.608	-0.004	461670	18.8	
89 tert-Butylbenzene	119	9.748	9.753	-0.005	419274	19.6	
90 1,2,4-Trimethylbenzene	105	9.800	9.805	-0.005	503663	18.5	
91 sec-Butylbenzene	105	9.883	9.892	-0.009	697998	19.1	
92 4-Isopropyltoluene	119	9.997	10.001	-0.004	544186	19.8	
93 1,3-Dichlorobenzene	146	10.064	10.073	-0.009	224002	18.4	
* 94 1,4-Dichlorobenzene-d4	152	10.121	10.130	-0.009	129821	20.0	
95 1,4-Dichlorobenzene	146	10.136	10.140	-0.004	218533	18.9	
96 n-Butylbenzene	91	10.338	10.347	-0.009	580857	19.4	
97 1,2-Dichlorobenzene	146	10.493	10.497	-0.004	181498	18.7	
98 1,2-Dibromo-3-Chloropropane	157	11.263	11.277	-0.014	9336	18.7	
100 Hexachlorobutadiene	225	12.012	12.032	-0.020	60130	17.9	
101 1,2,4-Trichlorobenzene	180	12.064	12.078	-0.014	122336	19.3	
102 Naphthalene	128	12.529	12.544	-0.015	151768	18.2	

Report Date: 10-Sep-2009 11:20:32 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44840.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180	12.808	12.823	-0.015	90325	19.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 10-Sep-2009 11:20:32 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44840.D

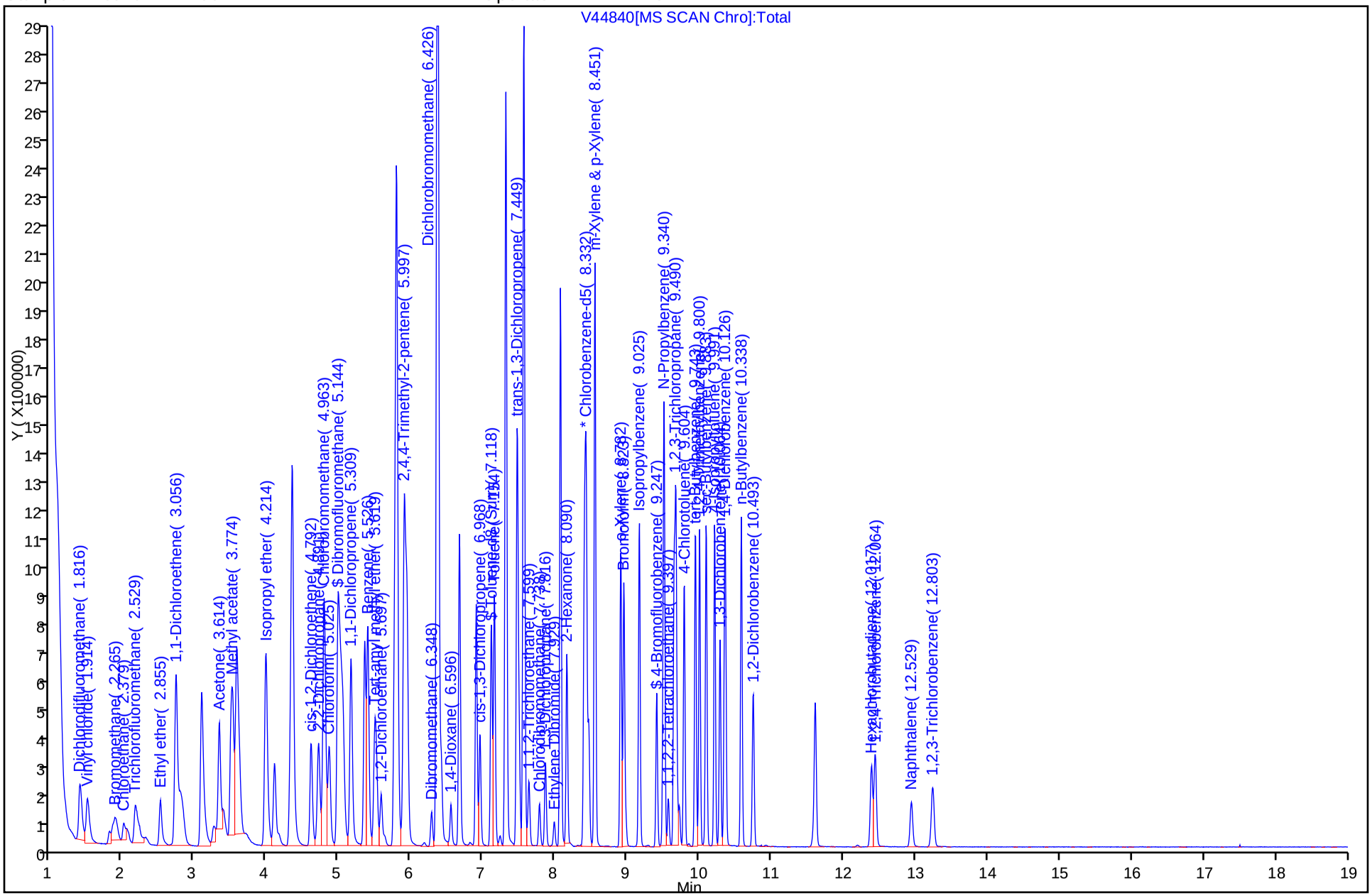
Inj Date: 09-Sep-2009 17:54:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48767 Lims Sample ID: 12

Client ID: OC-SB-465-8.0/10-XMS Instrument: HP #1 GC/MS

Sample Info: 360-24417-C-10-B MS

Sample Amount: 1.00 Operator: CR



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MSD | Lab Sample ID: 360-24417-10 MSD

Matrix: Solid | Lab File ID: V44841.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:45

Sample wt/vol: 5.40(g) | Date Analyzed: 09/09/2009 18:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	106		2.6	1.0
71-55-6	1,1,1-Trichloroethane	97.0		2.6	1.0
79-34-5	1,1,2,2-Tetrachloroethane	95.5		2.6	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	98.2		13	1.0
79-00-5	1,1,2-Trichloroethane	96.5		2.6	1.0
75-34-3	1,1-Dichloroethane	104		2.6	1.0
75-35-4	1,1-Dichloroethene	99.4		2.6	1.0
563-58-6	1,1-Dichloropropene	95.1		2.6	1.0
87-61-6	1,2,3-Trichlorobenzene	99.3		2.6	1.0
96-18-4	1,2,3-Trichloropropane	119		2.6	1.5
120-82-1	1,2,4-Trichlorobenzene	99.9		2.6	1.0
95-63-6	1,2,4-Trimethylbenzene	101		2.6	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	95.3		26	1.9
106-93-4	Ethylene Dibromide	96.6		2.6	1.0
95-50-1	1,2-Dichlorobenzene	98.7		2.6	1.0
107-06-2	1,2-Dichloroethane	98.7		2.6	1.0
67-64-1	Acetone	988		260	19
78-87-5	1,2-Dichloropropane	108		2.6	1.0
108-67-8	1,3,5-Trimethylbenzene	103		2.6	1.0
541-73-1	1,3-Dichlorobenzene	102		2.6	1.0
142-28-9	1,3-Dichloropropane	94.6		2.6	1.0
106-46-7	1,4-Dichlorobenzene	98.9		2.6	1.0
123-91-1	1,4-Dioxane	1060		260	35
594-20-7	2,2-Dichloropropane	113		2.6	1.0
107-39-1	2,4,4-Trimethyl-1-pentene	113		5.2	1.0
107-40-4	2,4,4-Trimethyl-2-pentene	101		5.2	1.0
95-49-8	2-Chlorotoluene	100		2.6	1.0
591-78-6	2-Hexanone	872		26	5.4
106-43-4	4-Chlorotoluene	102		2.6	1.0
71-43-2	Benzene	96.5		2.6	1.0
108-86-1	Bromobenzene	99.3		2.6	1.0
74-97-5	Chlorobromomethane	99.5		2.6	1.0
75-27-4	Dichlorobromomethane	95.0		2.6	1.0
75-25-2	Bromoform	88.8		2.6	1.0
74-83-9	Bromomethane	105		5.2	1.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MSD | Lab Sample ID: 360-24417-10 MSD

Matrix: Solid | Lab File ID: V44841.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:45

Sample wt/vol: 5.40(g) | Date Analyzed: 09/09/2009 18:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
104-51-8	n-Butylbenzene	98.0		2.6	1.0
75-15-0	Carbon disulfide	92.2		2.6	1.0
56-23-5	Carbon tetrachloride	96.0		2.6	1.0
108-90-7	Chlorobenzene	101		2.6	1.0
75-00-3	Chloroethane	104		5.2	1.0
67-66-3	Chloroform	103		2.6	1.0
74-87-3	Chloromethane	96.7		5.2	1.0
156-59-2	cis-1,2-Dichloroethene	98.1		2.6	1.0
10061-01-5	cis-1,3-Dichloropropene	93.7		2.6	1.0
110-82-7	Cyclohexane	103		26	2.7
124-48-1	Chlorodibromomethane	92.4		2.6	1.0
74-95-3	Dibromomethane	95.2		2.6	1.0
75-71-8	Dichlorodifluoromethane	67.7		5.2	1.0
60-29-7	Ethyl ether	109		2.6	1.0
108-20-3	Isopropyl ether	99.4		2.6	1.0
637-92-3	Tert-butyl ethyl ether	103		2.6	2.6
100-41-4	Ethylbenzene	104		2.6	1.0
87-68-3	Hexachlorobutadiene	88.8		2.6	1.0
98-82-8	Isopropylbenzene	104		2.6	1.0
79-20-9	Methyl acetate	1110		52	17
78-93-3	2-Butanone (MEK)	910		26	7.1
108-10-1	4-Methyl-2-pentanone (MIBK)	934		26	5.4
1634-04-4	Methyl tert-butyl ether	99.2		2.6	1.0
108-87-2	Methylcyclohexane	103		2.6	1.0
75-09-2	Methylene Chloride	118		10	5.1
136777-61-2	m-Xylene & p-Xylene	197		5.2	1.0
91-20-3	Naphthalene	95.8		26	1.0
103-65-1	N-Propylbenzene	102		2.6	1.0
95-47-6	o-Xylene	101		2.6	1.0
99-87-6	4-Isopropyltoluene	107		2.6	1.0
135-98-8	sec-Butylbenzene	103		2.6	1.0
100-42-5	Styrene	100		2.6	1.0
994-05-8	Tert-amyl methyl ether	103		2.6	1.0
98-06-6	tert-Butylbenzene	107		2.6	1.0
127-18-4	Tetrachloroethene	97.3		2.6	1.0
109-99-9	Tetrahydrofuran	1120		26	5.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MSD | Lab Sample ID: 360-24417-10 MSD

Matrix: Solid | Lab File ID: V44841.D

Analysis Method: 8260B | Date Collected: 09/02/2009 07:45

Sample wt/vol: 5.40(g) | Date Analyzed: 09/09/2009 18:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 48767 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	97.6		2.6	1.0
156-60-5	trans-1,2-Dichloroethene	91.8		2.6	1.0
10061-02-6	trans-1,3-Dichloropropene	94.7		2.6	1.0
79-01-6	Trichloroethene	97.7		2.6	1.0
75-69-4	Trichlorofluoromethane	102		5.2	1.0
75-01-4	Vinyl chloride	98.9		2.6	1.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
460-00-4	4-Bromofluorobenzene	100	70-130	
1868-53-7	Dibromofluoromethane	100	70-130	
2037-26-5	Toluene-d8 (Surr)	98	70-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44841.D		
Lims ID:	360-24417-C-10-C MSD	Client ID:	OC-SB-465-8.0/10-MSD
Inject. Date:	09-Sep-2009 18:18:30	Dil. Factor:	1.0000
Sample Type:	MSD, Matrix Spike Duplicate		
Sample ID:	360-24417-C-10-C MSD		
Misc. Info.:	360-0001122-013		
Operator:	CR	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	48767	Lims Sample ID:	13
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\WES1SOIL.m		
Last Update:	10-Sep-2009 11:21:57	Calib Date:	08-Sep-2009 18:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20090908-1.b\V44795.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE		
Process Host:	WESVOAJESS		

Reviewed By: rouleauc Date: 10-Sep-2009 11:21:57

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
1 Dichlorodifluoromethane	85	1.629	1.629	0.000	146578	12.9	M
2 Chloromethane	50	1.810	1.810	0.000	366315	18.5	
3 Vinyl chloride	62	1.908	1.908	0.000	262458	18.9	
4 Bromomethane	94	2.259	2.254	0.005	140418	20.0	
5 Chloroethane	64	2.394	2.394	0.000	151701	20.0	
6 Trichlorofluoromethane	101	2.538	2.533	0.005	236181	19.4	
7 Ethyl ether	59	2.854	2.854	0.000	118961	20.8	
8 1,1-Dichloroethene	96	3.045	3.045	0.000	137164	19.0	
10 Carbon disulfide	76	3.060	3.060	0.000	576526	17.6	
11 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.122	3.117	0.005	81877	18.8	
14 Methylene Chloride	84	3.613	3.613	0.000	184164	22.6	
15 Acetone	43	3.670	3.665	0.005	232426	188.8	
16 trans-1,2-Dichloroethene	61	3.758	3.763	-0.005	290485	17.5	
17 Methyl acetate	43	3.784	3.789	-0.005	727753	212.9	
19 Methyl tert-butyl ether	73	3.867	3.872	-0.005	311375	19.0	
21 Isopropyl ether	45	4.208	4.213	-0.005	887629	19.0	
22 1,1-Dichloroethane	63	4.321	4.327	-0.006	345331	19.8	
24 Tert-butyl ethyl ether	59	4.533	4.538	-0.005	550659	19.6	
26 cis-1,2-Dichloroethene	61	4.792	4.797	-0.005	271004	18.8	
27 2,2-Dichloropropane	77	4.890	4.895	-0.005	235403	21.5	
28 Cyclohexane	56	4.962	4.967	-0.005	408550	19.7	
29 Chlorobromomethane	130	4.962	4.973	-0.011	61945	19.0	
30 Chloroform	83	5.029	5.035	-0.006	270052	19.7	
32 Carbon tetrachloride	117	5.143	5.148	-0.005	157489	18.3	
33 Tetrahydrofuran	42	5.164	5.164	0.000	350107	213.4	
$ 35 Dibromofluoromethane	113	5.184	5.190	-0.006	109341	20.0	
36 1,1,1-Trichloroethane	97	5.210	5.210	0.000	227271	18.5	
37 2-Butanone (MEK)	43	5.303	5.308	-0.005	369815	173.9	
38 1,1-Dichloropropene	75	5.308	5.314	-0.006	212973	18.2	
40 Benzene	78	5.526	5.531	-0.005	585381	18.4	
41 Tert-amyl methyl ether	73	5.613	5.624	-0.011	353945	19.8	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
* 42 1,2-Dichloroethane-d4 ISTD	102	5.639	5.644	-0.005	20435	20.0	
43 1,2-Dichloroethane	62	5.696	5.701	-0.005	144158	18.9	
* 44 Fluorobenzene	96	5.867	5.872	-0.005	469713	20.0	
45 2,4,4-Trimethyl-1-pentene	55	5.887	5.898	-0.011	171508	21.5	
47 Methylcyclohexane	83	5.991	5.996	-0.005	288686	19.6	
48 Trichloroethene	95	6.001	6.006	-0.005	133081	18.7	
49 2,4,4-Trimethyl-2-pentene	112	6.027	6.032	-0.005	84721	19.3	
50 Dibromomethane	93	6.342	6.352	-0.010	50999	18.2	
51 1,2-Dichloropropane	63	6.430	6.435	-0.005	136092	20.6	
52 Dichlorobromomethane	83	6.471	6.476	-0.005	147136	18.1	
54 1,4-Dioxane	88	6.631	6.642	-0.011	4467	203.5	
57 cis-1,3-Dichloropropene	75	6.967	6.973	-0.006	167181	17.9	
$ 58 Toluene-d8 (Surr)	98	7.117	7.122	-0.005	409039	19.6	
59 Toluene	92	7.153	7.164	-0.011	300595	18.6	
60 Tetrachloroethene	164	7.448	7.453	-0.005	81336	18.6	
61 4-Methyl-2-pentanone (MIBK)	43	7.448	7.453	-0.005	856719	178.5	
62 trans-1,3-Dichloropropene	75	7.474	7.479	-0.005	123600	18.1	
64 1,1,2-Trichloroethane	83	7.598	7.608	-0.010	54034	18.4	
65 Chlorodibromomethane	129	7.737	7.743	-0.006	62372	17.7	
66 1,3-Dichloropropane	76	7.815	7.820	-0.005	120064	18.1	
67 Ethylene Dibromide	107	7.929	7.934	-0.005	54697	18.5	
69 2-Hexanone	43	8.089	8.094	-0.005	497901	166.6	
* 70 Chlorobenzene-d5	117	8.311	8.316	-0.005	280104	20.0	
71 Chlorobenzene	112	8.327	8.332	-0.005	293236	19.2	
72 Ethylbenzene	91	8.337	8.347	-0.010	593895	19.9	
73 1,1,1,2-Tetrachloroethane	131	8.373	8.378	-0.005	94146	20.3	
74 m-Xylene & p-Xylene	91	8.451	8.456	-0.005	925083	37.7	
75 o-Xylene	91	8.781	8.792	-0.011	512168	19.3	
76 Styrene	104	8.823	8.833	-0.010	346179	19.2	
77 Bromoform	173	8.848	8.854	-0.006	37147	17.0	
78 Isopropylbenzene	105	9.024	9.029	-0.005	624016	19.8	
$ 80 4-Bromofluorobenzene	95	9.246	9.252	-0.006	160661	20.0	
81 Bromobenzene	77	9.329	9.339	-0.010	270965	19.0	
82 N-Propylbenzene	91	9.345	9.350	-0.005	790508	19.4	
83 1,1,2,2-Tetrachloroethane	83	9.396	9.401	-0.005	83646	18.2	
84 2-Chlorotoluene	91	9.469	9.479	-0.010	514953	19.2	
85 1,3,5-Trimethylbenzene	105	9.494	9.500	-0.006	510054	19.7	
86 1,2,3-Trichloropropane	110	9.510	9.520	-0.010	19822	22.8	
88 4-Chlorotoluene	91	9.598	9.608	-0.010	459193	19.4	
89 tert-Butylbenzene	119	9.743	9.753	-0.011	420638	20.4	
90 1,2,4-Trimethylbenzene	105	9.799	9.805	-0.006	507419	19.3	
91 sec-Butylbenzene	105	9.882	9.892	-0.010	695985	19.7	
92 4-Isopropyltoluene	119	9.996	10.001	-0.005	545908	20.5	
93 1,3-Dichlorobenzene	146	10.063	10.073	-0.010	229690	19.5	
* 94 1,4-Dichlorobenzene-d4	152	10.120	10.130	-0.010	133047	20.0	
95 1,4-Dichlorobenzene	146	10.135	10.140	-0.005	223926	18.9	
96 n-Butylbenzene	91	10.337	10.347	-0.010	574736	18.7	
97 1,2-Dichlorobenzene	146	10.492	10.497	-0.005	187062	18.9	
98 1,2-Dibromo-3-Chloropropane	157	11.262	11.277	-0.015	9328	18.2	
100 Hexachlorobutadiene	225	12.011	12.032	-0.021	58392	17.0	
101 1,2,4-Trichlorobenzene	180	12.063	12.078	-0.015	123837	19.1	
102 Naphthalene	128	12.528	12.544	-0.016	156890	18.3	

Report Date: 10-Sep-2009 11:21:57 Chrom Revision: 1.0.2009.827
Data File: \\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44841.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/L	Flags
103 1,2,3-Trichlorobenzene	180	12.802	12.823	-0.021	91044	19.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 10-Sep-2009 11:21:57 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\HPGCMS1.i\20090909-1.b\V44841.D

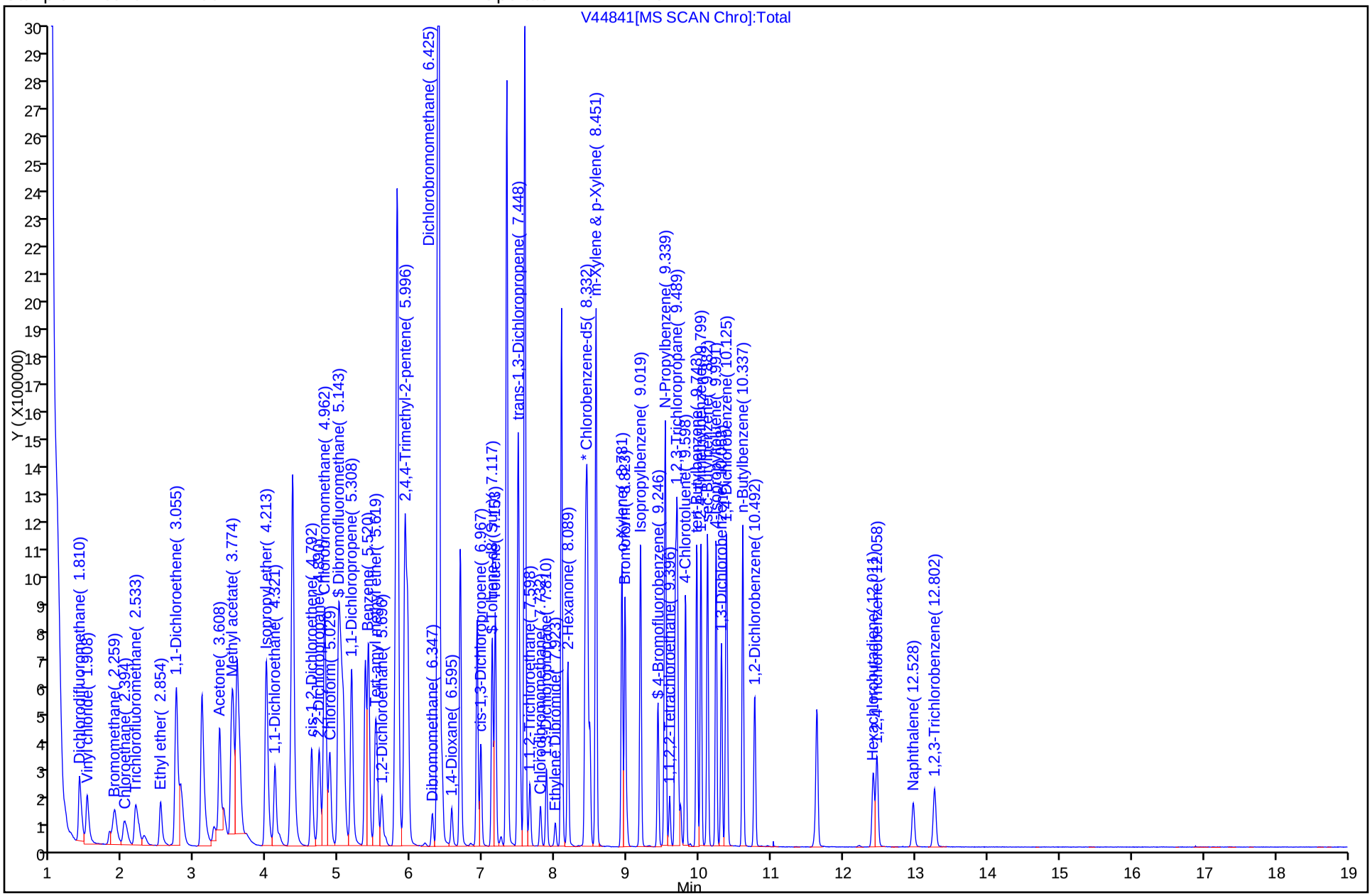
Inj Date: 09-Sep-2009 18:18:30 Limit Group: VMS - 8260 VOA Calibration

Lims Batch ID: 48767 Lims Sample ID: 13

Client ID: OC-SB-465-8.0/10-MSD Instrument: HP #1 GC/MS

Sample Info: 360-24417-C-10-C MSD

Sample Amount: 1.00 Operator: CR



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS Start Date: 09/08/2009 14:57

Analysis Batch Number: 48701 End Date: 09/08/2009 19:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/08/2009 14:57	1		RTX-VMS 0.25(um)
BFB 360-48701/1		09/08/2009 15:37	1	V44787.D	RTX-VMS 0.25(um)
STD20 360-48701/2 ICIS		09/08/2009 16:02	1	V44788.D	RTX-VMS 0.25(um)
STD0005 360-48701/3 IC		09/08/2009 16:50	1	V44790.D	RTX-VMS 0.25(um)
STD001 360-48701/4 IC		09/08/2009 17:14	1	V44791.D	RTX-VMS 0.25(um)
STD005 360-48701/5 IC		09/08/2009 17:38	1	V44792.D	RTX-VMS 0.25(um)
STD010 360-48701/6 IC		09/08/2009 18:02	1	V44793.D	RTX-VMS 0.25(um)
STD040 360-48701/7 IC		09/08/2009 18:25	1	V44794.D	RTX-VMS 0.25(um)
STD080 360-48701/8 IC		09/08/2009 18:49	1	V44795.D	RTX-VMS 0.25(um)
ICV 360-48701/9		09/08/2009 19:13	1	V44796.D	RTX-VMS 0.25(um)

8260B

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS Start Date: 09/08/2009 19:37

Analysis Batch Number: 48711 End Date: 09/09/2009 04:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-48711/1		09/08/2009 19:37	1	V44797.D	RTX-VMS 0.25(um)
CCVIS 360-48711/2		09/08/2009 20:02	1	V44798.D	RTX-VMS 0.25(um)
LCS 360-48710/1-A		09/08/2009 20:26	1	V44799.D	RTX-VMS 0.25(um)
LCSD 360-48710/2-A		09/08/2009 20:50	1	V44800.D	RTX-VMS 0.25(um)
ZZZZZ		09/08/2009 21:14	1		RTX-VMS 0.25(um)
MB 360-48710/3-A		09/08/2009 21:38	1	V44802.D	RTX-VMS 0.25(um)
ZZZZZ		09/08/2009 22:02	1		RTX-VMS 0.25(um)
ZZZZZ		09/08/2009 22:27	1		RTX-VMS 0.25(um)
ZZZZZ		09/08/2009 22:50	1		RTX-VMS 0.25(um)
ZZZZZ		09/08/2009 23:14	1		RTX-VMS 0.25(um)
ZZZZZ		09/08/2009 23:39	1		RTX-VMS 0.25(um)
ZZZZZ		09/09/2009 00:03	1		RTX-VMS 0.25(um)
ZZZZZ		09/09/2009 00:28	1		RTX-VMS 0.25(um)
360-24417-3	OC-SB-463-6.0/8.0-XXX	09/09/2009 00:52	1	V44810.D	RTX-VMS 0.25(um)
360-24417-6	OC-SB-464-5.0/7.0-XXX	09/09/2009 01:16	1	V44811.D	RTX-VMS 0.25(um)
360-24417-9	OC-SB-465-8.0/10-DUP	09/09/2009 01:40	1	V44812.D	RTX-VMS 0.25(um)
360-24417-13	OC-SB-468-8.0/10-XXX	09/09/2009 02:04	1	V44813.D	RTX-VMS 0.25(um)
360-24417-15	OC-SB-471-3.0/5.0-XXX	09/09/2009 02:28	1	V44814.D	RTX-VMS 0.25(um)
ZZZZZ		09/09/2009 02:52	1		RTX-VMS 0.25(um)
ZZZZZ		09/09/2009 03:16	1		RTX-VMS 0.25(um)
ZZZZZ		09/09/2009 03:41	1		RTX-VMS 0.25(um)
ZZZZZ		09/09/2009 04:05	1		RTX-VMS 0.25(um)
ZZZZZ		09/09/2009 04:29	1		RTX-VMS 0.25(um)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS Start Date: 09/09/2009 16:42

Analysis Batch Number: 48767 End Date: 09/09/2009 21:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-48767/1		09/09/2009 16:42	1	V44836A.D	RTX-VMS 0.25(um)
CCVIS 360-48767/2		09/09/2009 16:42	1	V44837.D	RTX-VMS 0.25(um)
LCS 360-48765/1-A		09/09/2009 17:06	1	V44838.D	RTX-VMS 0.25(um)
LCSD 360-48765/2-A		09/09/2009 17:30	1	V44839.D	RTX-VMS 0.25(um)
360-24417-10 MS	OC-SB-465-8.0/10-XXX MS	09/09/2009 17:54	1	V44840.D	RTX-VMS 0.25(um)
360-24417-10 MSD	OC-SB-465-8.0/10-XXX MSD	09/09/2009 18:18	1	V44841.D	RTX-VMS 0.25(um)
ZZZZZ		09/09/2009 18:41	1		RTX-VMS 0.25(um)
MB 360-48765/3-A		09/09/2009 19:05	1	V44843.D	RTX-VMS 0.25(um)
ZZZZZ		09/09/2009 19:29	1		RTX-VMS 0.25(um)
360-24417-10	OC-SB-465-8.0/10-XXX	09/09/2009 19:53	1	V44845.D	RTX-VMS 0.25(um)
ZZZZZ		09/09/2009 20:17	1		RTX-VMS 0.25(um)
ZZZZZ		09/09/2009 20:41	1		RTX-VMS 0.25(um)
ZZZZZ		09/09/2009 21:05	1		RTX-VMS 0.25(um)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS Start Date: 09/12/2009 12:07

Analysis Batch Number: 48878 End Date: 09/12/2009 20:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-48878/1		09/12/2009 12:07	1	V44920.D	RTX-VMS 0.25(um)
CCVIS 360-48878/2		09/12/2009 12:31	1	V44921.D	RTX-VMS 0.25(um)
LCS 360-48877/1-A		09/12/2009 12:55	1	V44922.D	RTX-VMS 0.25(um)
LCSD 360-48877/2-A		09/12/2009 13:19	1	V44923.D	RTX-VMS 0.25(um)
ZZZZZ		09/12/2009 13:43	1		RTX-VMS 0.25(um)
MB 360-48877/3-A		09/12/2009 14:06	1	V44925.D	RTX-VMS 0.25(um)
ZZZZZ		09/12/2009 14:30	1		RTX-VMS 0.25(um)
ZZZZZ		09/12/2009 14:54	1		RTX-VMS 0.25(um)
ZZZZZ		09/12/2009 15:19	1		RTX-VMS 0.25(um)
360-24417-1	OC-SB-463-0.0/1.0-XXX	09/12/2009 15:42	1	V44929.D	RTX-VMS 0.25(um)
360-24417-4	OC-SB-464-0.0/1.0-XXX	09/12/2009 16:06	1	V44930.D	RTX-VMS 0.25(um)
360-24417-7	OC-SB-465-0.0/1.0-XXX	09/12/2009 16:30	1	V44931.D	RTX-VMS 0.25(um)
360-24417-11	OC-SB-468-0.0/1.0-XXX	09/12/2009 16:54	1	V44932.D	RTX-VMS 0.25(um)
360-24417-14	OC-SB-471-0.0/1.0-XXX	09/12/2009 17:18	1	V44933.D	RTX-VMS 0.25(um)
360-24417-17	OC-TBK-012	09/12/2009 17:43	1	V44934.D	RTX-VMS 0.25(um)
ZZZZZ		09/12/2009 18:07	1		RTX-VMS 0.25(um)
ZZZZZ		09/12/2009 18:31	1		RTX-VMS 0.25(um)
ZZZZZ		09/12/2009 18:55	1		RTX-VMS 0.25(um)
ZZZZZ		09/12/2009 19:18	1		RTX-VMS 0.25(um)
ZZZZZ		09/12/2009 19:42	1		RTX-VMS 0.25(um)
ZZZZZ		09/12/2009 20:06	1		RTX-VMS 0.25(um)

8260B

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: HP #1 GC/MS Start Date: 09/15/2009 14:44

Analysis Batch Number: 48976 End Date: 09/15/2009 21:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-48976/1		09/15/2009 14:44	1	V45012.D	RTX-VMS 0.25(um)
CCVIS 360-48976/2		09/15/2009 15:08	1	V45013.D	RTX-VMS 0.25(um)
LCS 360-48975/1-A		09/15/2009 15:33	1	V45014.D	RTX-VMS 0.25(um)
LCSD 360-48975/2-A		09/15/2009 15:57	1	V45015.D	RTX-VMS 0.25(um)
ZZZZZ		09/15/2009 16:21	1		RTX-VMS 0.25(um)
ZZZZZ		09/15/2009 16:46	1		RTX-VMS 0.25(um)
ZZZZZ		09/15/2009 17:10	1		RTX-VMS 0.25(um)
MB 360-48975/3-A		09/15/2009 17:34	1	V45019.D	RTX-VMS 0.25(um)
ZZZZZ		09/15/2009 17:58	1		RTX-VMS 0.25(um)
ZZZZZ		09/15/2009 18:22	1		RTX-VMS 0.25(um)
ZZZZZ		09/15/2009 18:45	1		RTX-VMS 0.25(um)
ZZZZZ		09/15/2009 19:09	1		RTX-VMS 0.25(um)
ZZZZZ		09/15/2009 19:34	1		RTX-VMS 0.25(um)
ZZZZZ		09/15/2009 19:58	1		RTX-VMS 0.25(um)
ZZZZZ		09/15/2009 20:22	1		RTX-VMS 0.25(um)
ZZZZZ		09/15/2009 20:46	1		RTX-VMS 0.25(um)
ZZZZZ		09/15/2009 21:10	1		RTX-VMS 0.25(um)
ZZZZZ		09/15/2009 21:34	1		RTX-VMS 0.25(um)
360-24417-8	OC-SB-465-16/18-XXX	09/15/2009 21:58	1	V45030.D	RTX-VMS 0.25(um)

8260B

GC/MS VOA Worksheet

Batch Number: 360-48710
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Sep 08 2009 3:51PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
LCS~360-48710/1		5035, 8260B		5 g	5 g
LCSD~360-48710/2		5035, 8260B		5 g	5 g
MB~360-48710/3		5035, 8260B		5 g	5 g
360-24309-D-20	OC-SB-430-0.0/1.0-XXX		T	4.76 g	5 g
360-24327-C-1	OC-SB-403-0.0/1.0-XXX		T	5.83 g	5 g
360-24327-C-6	OC-SB-409-0.0/1.0-XXX		T	5.21 g	5 g
360-24327-C-9	OC-SB-410-0.0/1.0-XXX		T	5.52 g	5 g
360-24327-C-13	OC-SB-411-0.0/1.0-XXX		T	5.62 g	5 g
360-24327-C-15	OC-SB-418-0.0/1.0-XXX		T	5.52 g	5 g
360-24327-B-18	OC-TBK-009		T	5.00 g	5 g
360-24417-C-3	OC-SB-463-6.0/8.0-XXX	5035, 8260B	T	6.53 g	5 g
360-24417-C-6	OC-SB-464-5.0/7.0-XXX	5035, 8260B	T	6.02 g	5 g
360-24417-C-9	OC-SB-465-8.0/10-DUP	5035, 8260B	T	6.47 g	5 g
360-24417-C-13	OC-SB-468-8.0/10-XXX	5035, 8260B	T	5.74 g	5 g
360-24417-C-15	OC-SB-471-3.0/5.0-XXX	5035, 8260B	T	6.71 g	5 g
360-24343-C-1	OC-SB-444-0.0/1.0-XXX		T	5.50 g	5 g
360-24343-C-4	OC-SB-449-0.0/1.0-XXX		T	4.45 g	5 g
360-24343-C-7	OC-SB-451-0.0/1.0-XXX		T	4.97 g	5 g
360-24343-C-11	OC-SB-454-0.0/1.0-XXX		T	4.77 g	5 g
360-24343-C-22	OC-TBK-010		T	5.00 g	5 g

GC/MS VOA Worksheet

Batch Number: 360-48710
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Sep 08 2009 3:51PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LCS~360-48710/1		5035, 8260B		
LCSD~360-48710/2		5035, 8260B		
MB~360-48710/3		5035, 8260B		
360-24309-D-20	OC-SB-430-0.0/1.0-XXX		T	
360-24327-C-1	OC-SB-403-0.0/1.0-XXX		T	
360-24327-C-6	OC-SB-409-0.0/1.0-XXX		T	
360-24327-C-9	OC-SB-410-0.0/1.0-XXX		T	
360-24327-C-13	OC-SB-411-0.0/1.0-XXX		T	
360-24327-C-15	OC-SB-418-0.0/1.0-XXX		T	
360-24327-B-18	OC-TBK-009		T	
360-24417-C-3	OC-SB-463-6.0/8.0-XXX	5035, 8260B	T	1:1 ratio high
360-24417-C-6	OC-SB-464-5.0/7.0-XXX	5035, 8260B	T	
360-24417-C-9	OC-SB-465-8.0/10-DUP	5035, 8260B	T	1:1 ratio high
360-24417-C-13	OC-SB-468-8.0/10-XXX	5035, 8260B	T	
360-24417-C-15	OC-SB-471-3.0/5.0-XXX	5035, 8260B	T	1:1 ratio high
360-24343-C-1	OC-SB-444-0.0/1.0-XXX		T	
360-24343-C-4	OC-SB-449-0.0/1.0-XXX		T	
360-24343-C-7	OC-SB-451-0.0/1.0-XXX		T	
360-24343-C-11	OC-SB-454-0.0/1.0-XXX		T	
360-24343-C-22	OC-TBK-010		T	

GC/MS VOA Worksheet

Batch Number: 360-48765
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Sep 09 2009 3:57PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
LCS~360-48765/1		5035, 8260B		5 g	5 g
LCSD~360-48765/2		5035, 8260B		5 g	5 g
MB~360-48765/3		5035, 8260B		5 g	5 g
360-24365-A-22	OC-SB-PE-VS0355-VOC		T	5.23 g	5 g
360-24417-C-10	OC-SB-465-8.0/10-XXX	5035, 8260B	T	5.66 g	5 g
360-24343-C-2	OC-SB-444-12/14-XXX		T	5.81 g	5 g
360-24444-C-5	OC-SB-462-4.0/6.0-XXX		T	5.65 g	5 g
360-24363-C-1	B-2 (5-7')		T	6.35 g	5 g
360-24417-C-10~MS	OC-SB-465-8.0/10-XMS	5035, 8260B	T	5.96 g	5 g
360-24417-C-10~MSD	OC-SB-465-8.0/10-MSD	5035, 8260B	T	5.40 g	5 g

GC/MS VOA Worksheet

Batch Number: 360-48765
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Sep 09 2009 3:57PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LCS~360-48765/1		5035, 8260B		
LCSD~360-48765/2		5035, 8260B		
MB~360-48765/3		5035, 8260B		
360-24365-A-22	OC-SB-PE-VS0355-VOC		T	
360-24417-C-10	OC-SB-465-8.0/10-XXX	5035, 8260B	T	
360-24343-C-2	OC-SB-444-12/14-XXX		T	
360-24444-C-5	OC-SB-462-4.0/6.0-XXX		T	
360-24363-C-1	B-2 (5-7')		T	1:1 ratio high
360-24417-C-10~MS	OC-SB-465-8.0/10-XMS	5035, 8260B	T	
360-24417-C-10~MSD	OC-SB-465-8.0/10-MSD	5035, 8260B	T	

GC/MS VOA Worksheet

Batch Number: 360-48877
Method: 5035
Analyst: Weigel, Brian

Date Open: Sep 12 2009 11:14AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
LCS~360-48877/1		5035, 8260B		5 g	5 g
LCSD~360-48877/2		5035, 8260B		5 g	5 g
MB~360-48877/3		5035, 8260B		5 g	5 g
360-24444-C-3	OC-SB-462-0.0/1.0-XXX		T	5.58 g	5 g
360-24444-D-10	OC-TBK-013		T	5 g	5 g
360-24365-D-6	OC-SB-447-18/20-XXX		T	5.88 g	5 g
360-24417-D-1	OC-SB-463-0.0/1.0-XXX	5035, 8260B	T	5.32 g	5 g
360-24417-C-4	OC-SB-464-0.0/1.0-XXX	5035, 8260B	T	5.06 g	5 g
360-24417-C-7	OC-SB-465-0.0/1.0-XXX	5035, 8260B	T	4.86 g	5 g
360-24417-D-11	OC-SB-468-0.0/1.0-XXX	5035, 8260B	T	5.46 g	5 g
360-24417-C-14	OC-SB-471-0.0/1.0-XXX	5035, 8260B	T	5.52 g	5 g
360-24417-C-17	OC-TBK-012	5035, 8260B	T	5 g	5 g
360-24454-C-4	OC-SB-470-0.0/1.0-XXX		T	5.59 g	5 g
360-24454-C-7	OC-SB-472-0.0/1.0-XXX		T	4.83 g	5 g
360-24454-D-8	OC-SB-472-30/32-XXX		T	6.93 g	5 g
360-24499-D-4	OC-SB-469-36/37-XXX		T	6.68 g	5 g
360-24499-C-5	OC-SB-469-7.0/9.0-XXX		T	5.23 g	5 g
360-24534-C-1	SVE-12 (0.5-2')		T	5.92 g	5 g

GC/MS VOA Worksheet

Batch Number: 360-48877
Method: 5035
Analyst: Weigel, Brian

Date Open: Sep 12 2009 11:14AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LCS~360-48877/1		5035, 8260B		
LCSD~360-48877/2		5035, 8260B		
MB~360-48877/3		5035, 8260B		
360-24444-C-3	OC-SB-462-0.0/1.0-XXX		T	
360-24444-D-10	OC-TBK-013		T	
360-24365-D-6	OC-SB-447-18/20-XXX		T	
360-24417-D-1	OC-SB-463-0.0/1.0-XXX	5035, 8260B	T	
360-24417-C-4	OC-SB-464-0.0/1.0-XXX	5035, 8260B	T	
360-24417-C-7	OC-SB-465-0.0/1.0-XXX	5035, 8260B	T	
360-24417-D-11	OC-SB-468-0.0/1.0-XXX	5035, 8260B	T	
360-24417-C-14	OC-SB-471-0.0/1.0-XXX	5035, 8260B	T	
360-24417-C-17	OC-TBK-012	5035, 8260B	T	
360-24454-C-4	OC-SB-470-0.0/1.0-XXX		T	
360-24454-C-7	OC-SB-472-0.0/1.0-XXX		T	
360-24454-D-8	OC-SB-472-30/32-XXX		T	1:1 ratio exceeded
360-24499-D-4	OC-SB-469-36/37-XXX		T	1:1 ratio exceeded
360-24499-C-5	OC-SB-469-7.0/9.0-XXX		T	
360-24534-C-1	SVE-12 (0.5-2')		T	

GC/MS VOA Worksheet

Batch Number: 360-48975
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Sep 15 2009 2:17PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
LCS~360-48975/1		5035, 8260B		5 g	5 g
LCSD~360-48975/2		5035, 8260B		5 g	5 g
MB~360-48975/3		5035, 8260B		5 g	5 g
360-24563-C-5~MS	OC-SB-427-8.0/10-XMS		T	4.82 g	5 g
360-24563-C-5~MSD	OC-SB-427-8.0/10-MSD		T	5.03 g	5 g
360-24557-C-1	B-11-B (16'-18')		T	8.76 g	5 g
360-24563-C-4	OC-SB-427-8.0/10-DUP		T	4.76 g	5 g
360-24563-C-5	OC-SB-427-8.0/10-XXX		T	5.16 g	5 g
360-24563-C-9	OC-SB-428-8.0/10-XXX		T	5.46 g	5 g
360-24563-C-1	OC-SB-427-0.0/1.0-XXX		T	5.03 g	5 g
360-24563-C-6	OC-SB-428-0.0/1.0-XXX		T	6.05 g	5 g
360-24563-B-10	OC-TBK-017		T	5.00 g	5 g
360-24563-C-11	OC-SB-456-0.0/1.0-XXX		T	4.76 g	5 g
360-24563-C-12	OC-SB-456-16/18-XXX		T	5.27 g	5 g
360-24563-C-13	OC-SB-456-7.0/9.0-DUP		T	5.10 g	5 g
360-24417-C-8	OC-SB-465-16/18-XXX	5035, 8260B	T	5.18 g	5 g

GC/MS VOA Worksheet

Batch Number: 360-48975
Method: 5035
Analyst: Rouleau, Catherine M

Date Open: Sep 15 2009 2:17PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LCS~360-48975/1		5035, 8260B		
LCSD~360-48975/2		5035, 8260B		
MB~360-48975/3		5035, 8260B		
360-24563-C-5~MS	OC-SB-427-8.0/10-XMS		T	
360-24563-C-5~MSD	OC-SB-427-8.0/10-MSD		T	
360-24557-C-1	B-11-B (16'-18')		T	1:1 ratio high
360-24563-C-4	OC-SB-427-8.0/10-DUP		T	
360-24563-C-5	OC-SB-427-8.0/10-XXX		T	
360-24563-C-9	OC-SB-428-8.0/10-XXX		T	
360-24563-C-1	OC-SB-427-0.0/1.0-XXX		T	
360-24563-C-6	OC-SB-428-0.0/1.0-XXX		T	
360-24563-B-10	OC-TBK-017		T	
360-24563-C-11	OC-SB-456-0.0/1.0-XXX		T	
360-24563-C-12	OC-SB-456-16/18-XXX		T	
360-24563-C-13	OC-SB-456-7.0/9.0-DUP		T	
360-24417-C-8	OC-SB-465-16/18-XXX	5035, 8260B	T	

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.: 360-24417-1

SDG No.: OCRI-10

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-463-0.0/1.0-XXX	360-24417-1	70	69	69	58	62	57
OC-SB-463-6.0/8.0-XXX	360-24417-3	64	63	63	56	54	53
OC-SB-464-0.0/1.0-XXX	360-24417-4	73	71	67	60	61	59
OC-SB-464-0.0/1.0-XXX	360-24417-4	58	63	59	59	75	75
OC-SB-464-5.0/7.0-XXX	360-24417-6	63	62	61	54	55	54
OC-SB-464-5.0/7.0-XXX	360-24417-6	53	61	55	58	76	75
OC-SB-465-0.0/1.0-XXX	360-24417-7	69	76	69	68	85	78
OC-SB-465-0.0/1.0-XXX	360-24417-7	69	71	61	63	64	70
OC-SB-465-8.0/10-DUP	360-24417-9	62	68	62	62	76	80
OC-SB-465-8.0/10-DUP	360-24417-9	72	74	64	66	68	79
OC-SB-465-8.0/10-XXX	360-24417-10	75	79	66	69	66	75
OC-SB-465-8.0/10-XXX	360-24417-10	62	69	58	61	69	75
OC-SB-468-0.0/1.0-XXX	360-24417-11	80	72	72	63	54	64
OC-SB-468-0.0/1.0-XXX	360-24417-11	48	57	53	54	41	65
OC-SB-468-8.0/10-XXX	360-24417-13	66	68	58	62	60	73
OC-SB-468-8.0/10-XXX	360-24417-13	58	66	56	60	69	78
OC-SB-471-0.0/1.0-XXX	360-24417-14	87	76	75	66	70	77
OC-SB-471-0.0/1.0-XXX	360-24417-14	64	72	65	67	77	87
OC-SB-471-3.0/5.0-XXX	360-24417-15	62	66	56	57	68	68
OC-SB-471-3.0/5.0-XXX	360-24417-15	58	66	59	65	79	91
	MB 360-48800/1-A	72	78	68	72	79	90
	MB 360-48854/1-A	89	91	83	71	71	72
	MB 360-48924/1-A	88	93	78	79	78	86
	MB 360-48958/1-A	61	63	64	51	69	82
	LCS 360-48800/2-A	56	59	70	72	85	84

	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 II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

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 #
	LCS 360-48854/2-A	64	67	58	68	71	57
	LCS 360-48924/2-A	66	70	79	78	84	82
	LCS 360-48958/2-A	71	50	63	58	55	73
	LCSD 360-48800/3-A	59	63	75	73	86	83
	LCSD 360-48854/3-A	62	65	57	67	70	60
	LCSD 360-48924/3-A	68	71	84	79	90	86
	LCSD 360-48958/3-A	81	56	72	69	61	86
OC-SB-465-8.0/10-X XX MS	360-24417-10 MS	64	65	73	72	81	76
OC-SB-465-8.0/10-X XX MS	360-24417-10 MS	52	56	62	64	75	82
OC-SB-465-8.0/10-X XX MSD	360-24417-10 MSD	61	63	71	68	75	73
OC-SB-465-8.0/10-X XX MSD	360-24417-10 MSD	53	57	68	67	80	78

	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.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: J02918.D

Lab ID: LCS 360-48800/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
N-Nitrosodimethylamine	100	68.8	69	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.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: B10450.D

Lab ID: LCS 360-48854/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	263	79	40-140	
1,2,4,5-Tetrachlorobenzene	333	218	65	40-140	
1,2,4-Trichlorobenzene	333	222	67	40-140	
1,2-Dichlorobenzene	333	230	69	40-140	
1,3-Dichlorobenzene	333	190	57	40-140	
1,4-Dichlorobenzene	333	190	57	40-140	
1-Methylnaphthalene	333	218	65	40-140	
2,2'-oxybis[1-chloropropane]	333	208	63	40-140	
2,3,4,6-Tetrachlorophenol	333	228	68	40-140	
2,4,5-Trichlorophenol	333	264	79	30-130	
2,4,6-Trichlorophenol	333	250	75	30-130	
2,4-Dichlorophenol	333	240	72	30-130	
2,4-Dimethylphenol	333	241	72	30-130	
2,4-Dinitrophenol	333	192	58	30-130	
2,4-Dinitrotoluene	333	246	74	40-140	
2,6-Dinitrotoluene	333	268	81	40-140	
2-Chloronaphthalene	333	199	60	40-140	
2-Chlorophenol	333	223	67	30-130	
2-Methylnaphthalene	333	209	63	40-140	
2-Methylphenol	333	240	72	30-130	
2-Nitroaniline	333	268	80	40-140	
2-Nitrophenol	333	250	75	30-130	
3 & 4 Methylphenol	333	249	75	30-130	
3,3'-Dichlorobenzidine	333	242	73	40-140	
3-Nitroaniline	333	247	74	40-140	
4,6-Dinitro-2-methylphenol	333	232	70	30-130	
4-Bromophenyl phenyl ether	333	263	79	40-140	
4-Chloro-3-methylphenol	333	274	82	30-130	
4-Chloroaniline	333	171	51	40-140	
4-Chlorophenyl phenyl ether	333	262	79	40-140	
4-Nitroaniline	333	263	79	40-140	
4-Nitrophenol	333	281	84	30-130	
Acenaphthene	333	294	88	40-140	
Acenaphthylene	333	251	75	40-140	
Acetophenone	333	228	69	40-140	
Aniline	333	91.1	27	40-140	*
Anthracene	333	310	93	40-140	
Atrazine	333	282	85	40-140	
Azobenzene	333	264	79	40-140	
Benzaldehyde	333	248	75	40-140	
Benzo[a]anthracene	333	314	94	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.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: B10450.D

Lab ID: LCS 360-48854/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzo[a]pyrene	333	327	98	40-140	
Benzo[b]fluoranthene	333	267	80	40-140	
Benzo[g,h,i]perylene	333	329	99	40-140	
Benzo[k]fluoranthene	333	289	87	40-140	
Benzoic acid	333	118 J	35	30-130	
Benzophenone	333	285	86	40-140	
Benzyl alcohol	333	256	77	30-130	
Bis(2-chloroethoxy)methane	333	208	62	40-140	
Bis(2-chloroethyl)ether	333	201	60	40-140	
Bis(2-ethylhexyl) phthalate	333	271	81	40-140	
Butyl benzyl phthalate	333	259	78	40-140	
Caprolactam	333	271	81	40-140	
Carbazole	333	286	86	40-140	
Chrysene	333	296	89	40-140	
Dibenz(a,h)anthracene	333	350	105	40-140	
Dibenzofuran	333	251	75	40-140	
Diethyl phthalate	333	270	81	40-140	
Dimethyl phthalate	333	260	78	40-140	
Di-n-butyl phthalate	333	321	96	40-140	
Di-n-octyl phthalate	333	238	71	40-140	
Diphenyl oxide	333	229	69	40-140	
Fluoranthene	333	293	88	40-140	
Fluorene	333	312	93	40-140	
Hexachlorobenzene	333	261	78	40-140	
Hexachlorobutadiene	333	193	58	40-140	
Hexachlorocyclopentadiene	333	181	54	40-140	
Hexachloroethane	333	203	61	40-140	
Indeno[1,2,3-cd]pyrene	333	351	105	40-140	
Isophorone	333	196	59	40-140	
Naphthalene	333	243	73	40-140	
Nitrobenzene	333	212	64	40-140	
N-Nitrosodimethylamine	333	219	66	40-140	
N-Nitrosodi-n-propylamine	333	244	73	40-140	
N-Nitrosodiphenylamine	333	187	56	40-140	
Pentachlorophenol	333	239	72	30-130	
Phenanthrene	333	279	84	40-140	
Phenol	333	232	70	30-130	
Pyrene	333	241	72	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.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: J03051.D

Lab ID: LCS 360-48924/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	333	293	88	40-140	
1,2,4,5-Tetrachlorobenzene	333	277	83	40-140	
1,2,4-Trichlorobenzene	333	245	73	40-140	
1,2-Dichlorobenzene	333	202	60	40-140	
1,3-Dichlorobenzene	333	199	60	40-140	
1,4-Dichlorobenzene	333	201	60	40-140	
1-Methylnaphthalene	333	272	82	40-140	
2,2'-oxybis[1-chloropropane]	333	222	67	40-140	
2,3,4,6-Tetrachlorophenol	333	270	81	40-140	
2,4,5-Trichlorophenol	333	311	93	30-130	
2,4,6-Trichlorophenol	333	306	92	30-130	
2,4-Dichlorophenol	333	292	88	30-130	
2,4-Dimethylphenol	333	312	94	30-130	
2,4-Dinitrophenol	333	226	68	30-130	
2,4-Dinitrotoluene	333	292	87	40-140	
2,6-Dinitrotoluene	333	311	93	40-140	
2-Chloronaphthalene	333	206	62	40-140	
2-Chlorophenol	333	234	70	30-130	
2-Methylnaphthalene	333	269	81	40-140	
2-Methylphenol	333	254	76	30-130	
2-Nitroaniline	333	291	87	40-140	
2-Nitrophenol	333	276	83	30-130	
3 & 4 Methylphenol	333	267	80	30-130	
3,3'-Dichlorobenzidine	333	329	99	40-140	
3-Nitroaniline	333	336	101	40-140	
4,6-Dinitro-2-methylphenol	333	270	81	30-130	
4-Bromophenyl phenyl ether	333	297	89	40-140	
4-Chloro-3-methylphenol	333	306	92	30-130	
4-Chloroaniline	333	262	79	40-140	
4-Chlorophenyl phenyl ether	333	290	87	40-140	
4-Nitroaniline	333	313	94	40-140	
4-Nitrophenol	333	314	94	30-130	
Acenaphthene	333	317	95	40-140	
Acenaphthylene	333	290	87	40-140	
Acetophenone	333	254	76	40-140	
Aniline	333	103	31	40-140	*
Anthracene	333	367	110	40-140	
Atrazine	333	343	103	40-140	
Azobenzene	333	312	93	40-140	
Benzaldehyde	333	254	76	40-140	
Benzo[a]anthracene	333	363	109	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: J03051.D

Lab ID: LCS 360-48924/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzo[a]pyrene	333	354	106	40-140	
Benzo[b]fluoranthene	333	322	97	40-140	
Benzo[g,h,i]perylene	333	385	115	40-140	
Benzo[k]fluoranthene	333	346	104	40-140	
Benzoic acid	333	113 J	34	30-130	
Benzophenone	333	331	99	40-140	
Benzyl alcohol	333	237	71	30-130	
Bis(2-chloroethoxy)methane	333	282	85	40-140	
Bis(2-chloroethyl)ether	333	216	65	40-140	
Bis(2-ethylhexyl) phthalate	333	351	105	40-140	
Butyl benzyl phthalate	333	323	97	40-140	
Caprolactam	333	313	94	40-140	
Carbazole	333	337	101	40-140	
Chrysene	333	348	104	40-140	
Dibenz(a,h)anthracene	333	355	107	40-140	
Dibenzofuran	333	282	85	40-140	
Diethyl phthalate	333	325	97	40-140	
Dimethyl phthalate	333	305	91	40-140	
Di-n-butyl phthalate	333	397	119	40-140	
Di-n-octyl phthalate	333	318	95	40-140	
Diphenyl oxide	333	290	87	40-140	
Fluoranthene	333	348	104	40-140	
Fluorene	333	348	104	40-140	
Hexachlorobenzene	333	289	87	40-140	
Hexachlorobutadiene	333	252	76	40-140	
Hexachlorocyclopentadiene	333	233	70	40-140	
Hexachloroethane	333	215	64	40-140	
Indeno[1,2,3-cd]pyrene	333	354	106	40-140	
Isophorone	333	235	71	40-140	
Naphthalene	333	257	77	40-140	
Nitrobenzene	333	281	84	40-140	
N-Nitrosodimethylamine	333	253	76	40-140	
N-Nitrosodi-n-propylamine	333	249	75	40-140	
N-Nitrosodiphenylamine	333	230	69	40-140	
Pentachlorophenol	333	313	94	30-130	
Phenanthrene	333	313	94	40-140	
Phenol	333	245	73	30-130	
Pyrene	333	338	101	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: J03103.D

Lab ID: LCS 360-48958/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
N-Nitrosodimethylamine	100	50.2	50	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.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: J02919.D

Lab ID: LCSD 360-48800/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
N-Nitrosodimethylamine	100	66.4	66	4	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.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: B10451.D

Lab ID: LCSD 360-48854/3-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	249	75	5	30	40-140	
1,2,4,5-Tetrachlorobenzene	333	208	63	5	30	40-140	
1,2,4-Trichlorobenzene	333	208	63	6	30	40-140	
1,2-Dichlorobenzene	333	212	64	8	30	40-140	
1,3-Dichlorobenzene	333	177	53	7	30	40-140	
1,4-Dichlorobenzene	333	176	53	8	30	40-140	
1-Methylnaphthalene	333	205	62	6	30	40-140	
2,2'-oxybis[1-chloropropane]	333	195	58	7	30	40-140	
2,3,4,6-Tetrachlorophenol	333	221	66	3	30	40-140	
2,4,5-Trichlorophenol	333	255	76	3	30	30-130	
2,4,6-Trichlorophenol	333	241	72	4	30	30-130	
2,4-Dichlorophenol	333	231	69	4	30	30-130	
2,4-Dimethylphenol	333	235	70	2	30	30-130	
2,4-Dinitrophenol	333	199	60	4	30	30-130	
2,4-Dinitrotoluene	333	238	71	3	30	40-140	
2,6-Dinitrotoluene	333	262	79	2	30	40-140	
2-Chloronaphthalene	333	194	58	3	30	40-140	
2-Chlorophenol	333	214	64	4	30	30-130	
2-Methylnaphthalene	333	200	60	5	30	40-140	
2-Methylphenol	333	224	67	7	30	30-130	
2-Nitroaniline	333	252	76	6	30	40-140	
2-Nitrophenol	333	241	72	4	30	30-130	
3 & 4 Methylphenol	333	237	71	5	30	30-130	
3,3'-Dichlorobenzidine	333	236	71	3	30	40-140	
3-Nitroaniline	333	240	72	3	30	40-140	
4,6-Dinitro-2-methylphenol	333	225	67	3	30	30-130	
4-Bromophenyl phenyl ether	333	250	75	5	30	40-140	
4-Chloro-3-methylphenol	333	268	80	2	30	30-130	
4-Chloroaniline	333	170	51	1	30	40-140	
4-Chlorophenyl phenyl ether	333	253	76	4	30	40-140	
4-Nitroaniline	333	254	76	3	30	40-140	
4-Nitrophenol	333	277	83	2	30	30-130	
Acenaphthene	333	281	84	4	30	40-140	
Acenaphthylene	333	243	73	3	30	40-140	
Acetophenone	333	221	66	3	30	40-140	
Aniline	333	88.2	26	3	30	40-140	*
Anthracene	333	294	88	5	30	40-140	
Atrazine	333	271	81	4	30	40-140	
Azobenzene	333	249	75	6	30	40-140	
Benzaldehyde	333	234	70	6	30	40-140	
Benzo[a]anthracene	333	301	90	4	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.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: B10451.D

Lab ID: LCSD 360-48854/3-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	320	96	2	30	40-140	
Benzo[b]fluoranthene	333	272	82	2	30	40-140	
Benzo[g,h,i]perylene	333	296	89	11	30	40-140	
Benzo[k]fluoranthene	333	282	85	2	30	40-140	
Benzoic acid	333	118 J	35	0	30	30-130	
Benzophenone	333	267	80	7	30	40-140	
Benzyl alcohol	333	243	73	5	30	30-130	
Bis(2-chloroethoxy)methane	333	200	60	4	30	40-140	
Bis(2-chloroethyl)ether	333	188	56	7	30	40-140	
Bis(2-ethylhexyl) phthalate	333	261	78	4	30	40-140	
Butyl benzyl phthalate	333	258	77	1	30	40-140	
Caprolactam	333	278	83	3	30	40-140	
Carbazole	333	277	83	3	30	40-140	
Chrysene	333	287	86	3	30	40-140	
Dibenz(a,h)anthracene	333	311	93	12	30	40-140	
Dibenzofuran	333	244	73	3	30	40-140	
Diethyl phthalate	333	267	80	1	30	40-140	
Dimethyl phthalate	333	253	76	3	30	40-140	
Di-n-butyl phthalate	333	312	94	3	30	40-140	
Di-n-octyl phthalate	333	244	73	3	30	40-140	
Diphenyl oxide	333	214	64	7	30	40-140	
Fluoranthene	333	281	84	4	30	40-140	
Fluorene	333	303	91	3	30	40-140	
Hexachlorobenzene	333	245	73	7	30	40-140	
Hexachlorobutadiene	333	179	54	8	30	40-140	
Hexachlorocyclopentadiene	333	186	56	3	30	40-140	
Hexachloroethane	333	188	56	8	30	40-140	
Indeno[1,2,3-cd]pyrene	333	316	95	11	30	40-140	
Isophorone	333	187	56	5	30	40-140	
Naphthalene	333	228	68	7	30	40-140	
Nitrobenzene	333	199	60	7	30	40-140	
N-Nitrosodimethylamine	333	204	61	7	30	40-140	
N-Nitrosodi-n-propylamine	333	230	69	6	30	40-140	
N-Nitrosodiphenylamine	333	179	54	5	30	40-140	
Pentachlorophenol	333	239	72	0	30	30-130	
Phenanthrene	333	267	80	5	30	40-140	
Phenol	333	224	67	3	30	30-130	
Pyrene	333	243	73	1	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: J03052.D

Lab ID: LCSD 360-48924/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	333	312	94	7	30	40-140	
1,2,4,5-Tetrachlorobenzene	333	301	90	8	30	40-140	
1,2,4-Trichlorobenzene	333	271	81	10	30	40-140	
1,2-Dichlorobenzene	333	212	64	5	30	40-140	
1,3-Dichlorobenzene	333	212	64	7	30	40-140	
1,4-Dichlorobenzene	333	214	64	6	30	40-140	
1-Methylnaphthalene	333	304	91	11	30	40-140	
2,2'-oxybis[1-chloropropane]	333	235	70	5	30	40-140	
2,3,4,6-Tetrachlorophenol	333	294	88	9	30	40-140	
2,4,5-Trichlorophenol	333	335	100	7	30	30-130	
2,4,6-Trichlorophenol	333	324	97	6	30	30-130	
2,4-Dichlorophenol	333	321	96	9	30	30-130	
2,4-Dimethylphenol	333	343	103	9	30	30-130	
2,4-Dinitrophenol	333	260	78	14	30	30-130	
2,4-Dinitrotoluene	333	304	91	4	30	40-140	
2,6-Dinitrotoluene	333	326	98	5	30	40-140	
2-Chloronaphthalene	333	216	65	5	30	40-140	
2-Chlorophenol	333	246	74	5	30	30-130	
2-Methylnaphthalene	333	289	87	7	30	40-140	
2-Methylphenol	333	268	80	5	30	30-130	
2-Nitroaniline	333	283	85	3	30	40-140	
2-Nitrophenol	333	304	91	10	30	30-130	
3 & 4 Methylphenol	333	280	84	5	30	30-130	
3,3'-Dichlorobenzidine	333	373	112	13	30	40-140	
3-Nitroaniline	333	365	110	8	30	40-140	
4,6-Dinitro-2-methylphenol	333	299	90	11	30	30-130	
4-Bromophenyl phenyl ether	333	317	95	6	30	40-140	
4-Chloro-3-methylphenol	333	334	100	9	30	30-130	
4-Chloroaniline	333	292	88	11	30	40-140	
4-Chlorophenyl phenyl ether	333	310	93	7	30	40-140	
4-Nitroaniline	333	327	98	4	30	40-140	
4-Nitrophenol	333	343	103	9	30	30-130	
Acenaphthene	333	339	102	7	30	40-140	
Acenaphthylene	333	309	93	6	30	40-140	
Acetophenone	333	271	81	6	30	40-140	
Aniline	333	109	33	6	30	40-140	*
Anthracene	333	401	120	9	30	40-140	
Atrazine	333	371	111	8	30	40-140	
Azobenzene	333	332	99	6	30	40-140	
Benzaldehyde	333	271	81	6	30	40-140	
Benzo[a]anthracene	333	406	122	11	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: J03052.D

Lab ID: LCSD 360-48924/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzo[a]pyrene	333	375	113	6	30	40-140	
Benzo[b]fluoranthene	333	351	105	9	30	40-140	
Benzo[g,h,i]perylene	333	413	124	7	30	40-140	
Benzo[k]fluoranthene	333	369	111	6	30	40-140	
Benzoic acid	333	121 J	36	7	30	30-130	
Benzophenone	333	355	107	7	30	40-140	
Benzyl alcohol	333	253	76	7	30	30-130	
Bis(2-chloroethoxy)methane	333	311	93	10	30	40-140	
Bis(2-chloroethyl)ether	333	228	68	5	30	40-140	
Bis(2-ethylhexyl) phthalate	333	363	109	3	30	40-140	
Butyl benzyl phthalate	333	342	103	6	30	40-140	
Caprolactam	333	352	105	12	30	40-140	
Carbazole	333	367	110	9	30	40-140	
Chrysene	333	378	113	8	30	40-140	
Dibenz(a,h)anthracene	333	378	113	6	30	40-140	
Dibenzofuran	333	295	89	5	30	40-140	
Diethyl phthalate	333	342	103	5	30	40-140	
Dimethyl phthalate	333	326	98	7	30	40-140	
Di-n-butyl phthalate	333	421	126	6	30	40-140	
Di-n-octyl phthalate	333	328	98	3	30	40-140	
Diphenyl oxide	333	324	97	11	30	40-140	
Fluoranthene	333	382	115	9	30	40-140	
Fluorene	333	363	109	4	30	40-140	
Hexachlorobenzene	333	302	91	5	30	40-140	
Hexachlorobutadiene	333	273	82	8	30	40-140	
Hexachlorocyclopentadiene	333	256	77	9	30	40-140	
Hexachloroethane	333	225	68	5	30	40-140	
Indeno[1,2,3-cd]pyrene	333	382	115	8	30	40-140	
Isophorone	333	256	77	9	30	40-140	
Naphthalene	333	283	85	10	30	40-140	
Nitrobenzene	333	308	92	9	30	40-140	
N-Nitrosodimethylamine	333	271	81	7	30	40-140	
N-Nitrosodi-n-propylamine	333	268	80	7	30	40-140	
N-Nitrosodiphenylamine	333	247	74	7	30	40-140	
Pentachlorophenol	333	341	102	9	30	30-130	
Phenanthrene	333	338	101	8	30	40-140	
Phenol	333	259	78	6	30	30-130	
Pyrene	333	369	111	9	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: J03104.D

Lab ID: LCSD 360-48958/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
N-Nitrosodimethylamine	100	57.5	58	14	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 MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: J03056.D

Lab ID: 360-24417-10 MS Client ID: OC-SB-465-8.0/10-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	374	ND	621	166	40-140	F
1,2,4,5-Tetrachlorobenzene	374	ND	300	80	40-140	
1,2,4-Trichlorobenzene	374	ND	263	70	40-140	
1,2-Dichlorobenzene	374	ND	215	57	40-140	
1,3-Dichlorobenzene	374	ND	214	57	40-140	
1,4-Dichlorobenzene	374	ND	217	58	40-140	
1-Methylnaphthalene	374	ND	583	156	40-140	F
2,2'-oxybis[1-chloropropane]	374	ND	238	64	40-140	
2,3,4,6-Tetrachlorophenol	374	ND	595	159	40-140	F
2,4,5-Trichlorophenol	374	ND	343	92	30-130	
2,4,6-Trichlorophenol	374	ND	342	91	30-130	
2,4-Dichlorophenol	374	ND	317	85	30-130	
2,4-Dimethylphenol	374	ND	336	90	30-130	
2,4-Dinitrophenol	374	ND	83.7	22	30-130	F
2,4-Dinitrotoluene	374	ND	319	85	40-140	
2,6-Dinitrotoluene	374	ND	332	89	40-140	
2-Chloronaphthalene	374	ND	222	59	40-140	
2-Chlorophenol	374	ND	258	69	30-130	
2-Methylnaphthalene	374	ND	292	78	40-140	
2-Methylphenol	374	ND	281	75	30-130	
2-Nitroaniline	374	ND	308	82	40-140	
2-Nitrophenol	374	ND	272	73	30-130	
3 & 4 Methylphenol	374	ND	292	78	30-130	
3,3'-Dichlorobenzidine	374	ND	366	98	40-140	
3-Nitroaniline	374	ND	387	103	40-140	
4,6-Dinitro-2-methylphenol	374	ND	118 J	32	30-130	
4-Bromophenyl phenyl ether	374	ND	313	84	40-140	
4-Chloro-3-methylphenol	374	ND	329	88	30-130	
4-Chloroaniline	374	ND	273	73	40-140	
4-Chlorophenyl phenyl ether	374	ND	317	85	40-140	
4-Nitroaniline	374	ND	341	91	40-140	
4-Nitrophenol	374	ND	332	89	30-130	
Acenaphthene	374	ND	346	93	40-140	
Acenaphthylene	374	ND	320	86	40-140	
Acetophenone	374	ND	279	74	40-140	
Aniline	374	ND	111	30	40-140	F
Anthracene	374	ND	405	108	40-140	
Atrazine	374	ND	728	194	40-140	F
Azobenzene	374	ND	277	74	40-140	
Benzaldehyde	374	ND	279	74	40-140	
Benzo[a]anthracene	374	ND	404	108	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 MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: J03056.D

Lab ID: 360-24417-10 MS Client ID: OC-SB-465-8.0/10-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Benzo[a]pyrene	374	ND	381	102	40-140	
Benzo[b]fluoranthene	374	ND	336	90	40-140	
Benzo[g,h,i]perylene	374	ND	448	120	40-140	
Benzo[k]fluoranthene	374	ND	369	98	40-140	
Benzoic acid	374	ND	68.0 J	18	30-130	F
Benzophenone	374	ND	636	170	40-140	F
Benzyl alcohol	374	ND	242	65	30-130	
Bis(2-chloroethoxy)methane	374	ND	309	82	40-140	
Bis(2-chloroethyl)ether	374	ND	234	63	40-140	
Bis(2-ethylhexyl) phthalate	374	28 J	385	95	40-140	
Butyl benzyl phthalate	374	ND	342	92	40-140	
Caprolactam	374	ND	709	189	40-140	F
Carbazole	374	ND	372	99	40-140	
Chrysene	374	ND	382	102	40-140	
Dibenz(a,h)anthracene	374	ND	401	107	40-140	
Dibenzofuran	374	ND	305	81	40-140	
Diethyl phthalate	374	ND	353	94	40-140	
Dimethyl phthalate	374	ND	335	89	40-140	
Di-n-butyl phthalate	374	ND	342	91	40-140	
Di-n-octyl phthalate	374	ND	321	86	40-140	
Diphenyl oxide	374	ND	622	166	40-140	F
Fluoranthene	374	ND	393	105	40-140	
Fluorene	374	ND	378	101	40-140	
Hexachlorobenzene	374	ND	311	83	40-140	
Hexachlorobutadiene	374	ND	267	71	40-140	
Hexachlorocyclopentadiene	374	ND	131	35	40-140	F
Hexachloroethane	374	ND	226	60	40-140	
Indeno[1,2,3-cd]pyrene	374	ND	405	108	40-140	
Isophorone	374	ND	252	67	40-140	
Naphthalene	374	ND	278	74	40-140	
Nitrobenzene	374	ND	301	81	40-140	
N-Nitrosodimethylamine	374	ND	273	73	40-140	
N-Nitrosodi-n-propylamine	374	ND	272	73	40-140	
N-Nitrosodiphenylamine	374	ND	249	67	40-140	
Pentachlorophenol	374	ND	342	91	30-130	
Phenanthrene	374	ND	341	91	40-140	
Phenol	374	ND	270	72	30-130	
Pyrene	374	ND	367	98	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 MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: J03106.D

Lab ID: 360-24417-10 MS Client ID: OC-SB-465-8.0/10-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
N-Nitrosodimethylamine	112	ND	63.2	56	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 MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: J03057.D

Lab ID: 360-24417-10 MSD Client ID: OC-SB-465-8.0/10-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	375	305	81	68	30	40-140	F
1,2,4,5-Tetrachlorobenzene	375	287	77	4	30	40-140	
1,2,4-Trichlorobenzene	375	260	69	1	30	40-140	
1,2-Dichlorobenzene	375	211	56	2	30	40-140	
1,3-Dichlorobenzene	375	209	56	2	30	40-140	
1,4-Dichlorobenzene	375	212	57	2	30	40-140	
1-Methylnaphthalene	375	292	78	67	30	40-140	F
2,2'-oxybis[1-chloropropane]	375	232	62	2	30	40-140	
2,3,4,6-Tetrachlorophenol	375	280	75	72	30	40-140	F
2,4,5-Trichlorophenol	375	310	83	10	30	30-130	
2,4,6-Trichlorophenol	375	318	85	7	30	30-130	
2,4-Dichlorophenol	375	304	81	4	30	30-130	
2,4-Dimethylphenol	375	325	87	3	30	30-130	
2,4-Dinitrophenol	375	68.3	18	20	30	30-130	F
2,4-Dinitrotoluene	375	298	80	7	30	40-140	
2,6-Dinitrotoluene	375	308	82	8	30	40-140	
2-Chloronaphthalene	375	209	56	6	30	40-140	
2-Chlorophenol	375	250	67	3	30	30-130	
2-Methylnaphthalene	375	276	74	6	30	40-140	
2-Methylphenol	375	274	73	3	30	30-130	
2-Nitroaniline	375	278	74	10	30	40-140	
2-Nitrophenol	375	265	71	3	30	30-130	
3 & 4 Methylphenol	375	280	75	4	30	30-130	
3,3'-Dichlorobenzidine	375	349	93	5		40-140	
3-Nitroaniline	375	343	91	12	30	40-140	
4,6-Dinitro-2-methylphenol	375	85.2 J	23	32	30	30-130	F
4-Bromophenyl phenyl ether	375	303	81	3	30	40-140	
4-Chloro-3-methylphenol	375	315	84	4	30	30-130	
4-Chloroaniline	375	273	73	0	30	40-140	
4-Chlorophenyl phenyl ether	375	296	79	7	30	40-140	
4-Nitroaniline	375	320	85	7	30	40-140	
4-Nitrophenol	375	304	81	9	30	30-130	
Acenaphthene	375	320	85	8	30	40-140	
Acenaphthylene	375	295	79	8	30	40-140	
Acetophenone	375	272	73	2	30	40-140	
Aniline	375	110	29	1	30	40-140	F
Anthracene	375	390	104	4	30	40-140	
Atrazine	375	342	91	72	30	40-140	F
Azobenzene	375	317	85	14	30	40-140	
Benzaldehyde	375	272	73	2	30	40-140	
Benzo[a]anthracene	375	382	102	6	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: J03057.D

Lab ID: 360-24417-10 MSD Client ID: OC-SB-465-8.0/10-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzo[a]pyrene	375	359	96	6	30	40-140	
Benzo[b]fluoranthene	375	349	93	4	30	40-140	
Benzo[g,h,i]perylene	375	401	107	11	30	40-140	
Benzo[k]fluoranthene	375	330	88	11	30	40-140	
Benzoic acid	375	69.3 J	18	2	30	30-130	F
Benzophenone	375	345	92	59	30	40-140	F
Benzyl alcohol	375	236	63	3	30	30-130	
Bis(2-chloroethoxy)methane	375	300	80	3	30	40-140	
Bis(2-chloroethyl)ether	375	230	61	2	30	40-140	
Bis(2-ethylhexyl) phthalate	375	371	91	4	30	40-140	
Butyl benzyl phthalate	375	322	86	6	30	40-140	
Caprolactam	375	329	88	73	30	40-140	F
Carbazole	375	346	92	7	30	40-140	
Chrysene	375	369	98	4	30	40-140	
Dibenz(a,h)anthracene	375	370	99	8	30	40-140	
Dibenzofuran	375	287	76	6	30	40-140	
Diethyl phthalate	375	328	88	7	30	40-140	
Dimethyl phthalate	375	314	84	6	30	40-140	
Di-n-butyl phthalate	375	330	88	4	30	40-140	
Di-n-octyl phthalate	375	302	81	6	30	40-140	
Diphenyl oxide	375	309	83	67	30	40-140	F
Fluoranthene	375	366	98	7	30	40-140	
Fluorene	375	355	95	6	30	40-140	
Hexachlorobenzene	375	294	79	6	30	40-140	
Hexachlorobutadiene	375	265	71	1	30	40-140	
Hexachlorocyclopentadiene	375	126	34	4	30	40-140	F
Hexachloroethane	375	223	60	1	30	40-140	
Indeno[1,2,3-cd]pyrene	375	366	98	10	30	40-140	
Isophorone	375	246	65	3	30	40-140	
Naphthalene	375	268	72	3	30	40-140	
Nitrobenzene	375	293	78	3	30	40-140	
N-Nitrosodimethylamine	375	269	72	1	30	40-140	
N-Nitrosodi-n-propylamine	375	266	71	2	30	40-140	
N-Nitrosodiphenylamine	375	239	64	4	30	40-140	
Pentachlorophenol	375	298	79	14	30	30-130	
Phenanthrene	375	327	87	4	30	40-140	
Phenol	375	258	69	5	30	30-130	
Pyrene	375	350	93	5	30	40-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: J03107.D

Lab ID: 360-24417-10 MSD Client ID: OC-SB-465-8.0/10-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
N-Nitrosodimethylamine	113	68.0	60	7	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.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: J02917.D Lab Sample ID: MB 360-48800/1-A

Matrix: Solid Date Extracted: 09/10/2009 12:11

Instrument ID: Inst. J Date Analyzed: 09/12/2009 11:46

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48800/2-A	J02918.D	09/12/2009 12:17
	LCSD 360-48800/3-A	J02919.D	09/12/2009 12:47
OC-SB-464-0.0/1.0-XXX	360-24417-4	J02927.D	09/12/2009 16:48
OC-SB-464-5.0/7.0-XXX	360-24417-6	J02928.D	09/12/2009 17:19
OC-SB-465-0.0/1.0-XXX	360-24417-7	J02929.D	09/12/2009 17:49
OC-SB-465-8.0/10-DUP	360-24417-9	J02931.D	09/12/2009 18:50
OC-SB-468-0.0/1.0-XXX	360-24417-11	J02932.D	09/12/2009 19:20

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: B10449.D Lab Sample ID: MB 360-48854/1-A

Matrix: Solid Date Extracted: 09/11/2009 11:42

Instrument ID: Inst. B Date Analyzed: 09/21/2009 20:33

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48854/2-A	B10450.D	09/21/2009 21:05
	LCSD 360-48854/3-A	B10451.D	09/21/2009 21:36
OC-SB-463-0.0/1.0-XXX	360-24417-1	B10466.D	09/22/2009 06:23
OC-SB-463-6.0/8.0-XXX	360-24417-3	B10468.D	09/22/2009 07:25
OC-SB-464-0.0/1.0-XXX	360-24417-4	B10469.D	09/22/2009 07:56
OC-SB-464-5.0/7.0-XXX	360-24417-6	B10471.D	09/22/2009 08:58
OC-SB-468-0.0/1.0-XXX	360-24417-11	B10531.D	09/24/2009 04:22
OC-SB-468-0.0/1.0-XXX DL3	360-24417-11 DL3		09/29/2009 00:48

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: J03050.D Lab Sample ID: MB 360-48924/1-A

Matrix: Solid Date Extracted: 09/14/2009 13:00

Instrument ID: Inst. J Date Analyzed: 09/21/2009 19:53

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48924/2-A	J03051.D	09/21/2009 20:20
	LCSD 360-48924/3-A	J03052.D	09/21/2009 20:47
OC-SB-465-8.0/10-XXX	360-24417-10	J03055.D	09/21/2009 22:09
OC-SB-465-8.0/10-XXX MS	360-24417-10 MS	J03056.D	09/21/2009 22:36
OC-SB-465-8.0/10-XXX MSD	360-24417-10 MSD	J03057.D	09/21/2009 23:03
OC-SB-465-0.0/1.0-XXX	360-24417-7	J03058.D	09/21/2009 23:30
OC-SB-465-8.0/10-DUP	360-24417-9	J03060.D	09/22/2009 00:24
OC-SB-468-8.0/10-XXX	360-24417-13	J03061.D	09/22/2009 00:51
OC-SB-471-3.0/5.0-XXX	360-24417-15	J03063.D	09/22/2009 01:45
OC-SB-471-0.0/1.0-XXX	360-24417-14	B10532.D	09/24/2009 04:53

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: J03102.D Lab Sample ID: MB 360-48958/1-A

Matrix: Solid Date Extracted: 09/15/2009 12:06

Instrument ID: Inst. J Date Analyzed: 09/23/2009 23:03

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 360-48958/2-A	J03103.D	09/23/2009 23:37
	LCSD 360-48958/3-A	J03104.D	09/24/2009 00:11
OC-SB-465-8.0/10-XXX	360-24417-10	J03105.D	09/24/2009 00:45
OC-SB-465-8.0/10-XXX MS	360-24417-10 MS	J03106.D	09/24/2009 01:19
OC-SB-465-8.0/10-XXX MSD	360-24417-10 MSD	J03107.D	09/24/2009 01:53
OC-SB-468-8.0/10-XXX	360-24417-13	J03109.D	09/24/2009 03:01
OC-SB-471-0.0/1.0-XXX	360-24417-14	J03110.D	09/24/2009 03:34
OC-SB-471-3.0/5.0-XXX	360-24417-15	J03111.D	09/24/2009 04:08

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: B10452.D DFTPP Injection Date: 09/21/2009

Instrument ID: Inst. B DFTPP Injection Time: 22:07

Analysis Batch No.: 49266

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.6	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	38.3	
70	Less than 2.0 % of mass 69	0.1	(0.4)1
127	40.0 - 60.0 % of mass 198	50.8	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.3	
275	10.0 - 30.0 % of mass 198	28.5	
365	Greater than 1.0 % of mass 198	3.5	
441	Present but less than mass 443	14.3	
442	Greater than 40.0 % of mass 198	83.9	
443	17.0 - 23.0 % of mass 442	17.5	(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
OC-SB-463-0.0/1.0-XXX	360-24417-1	B10466.D	09/22/2009	06:23
OC-SB-463-6.0/8.0-XXX	360-24417-3	B10468.D	09/22/2009	07:25
OC-SB-464-0.0/1.0-XXX	360-24417-4	B10469.D	09/22/2009	07:56
OC-SB-464-5.0/7.0-XXX	360-24417-6	B10471.D	09/22/2009	08:58

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: B10511.D DFTPP Injection Date: 09/23/2009

Instrument ID: Inst. B DFTPP Injection Time: 17:49

Analysis Batch No.: 49442

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	42.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	41.1	
70	Less than 2.0 % of mass 69	0.1	(0.3)1
127	40.0 - 60.0 % of mass 198	52.4	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.2	
275	10.0 - 30.0 % of mass 198	26.8	
365	Greater than 1.0 % of mass 198	3.3	
441	Present but less than mass 443	12.8	
442	Greater than 40.0 % of mass 198	78.3	
443	17.0 - 23.0 % of mass 442	15.8	(20.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 360-49442/2	B10512.D	09/23/2009	18:20
	STD01 360-49442/3	B10513.D	09/23/2009	18:51
	STD025 360-49442/4	B10514.D	09/23/2009	19:22
	STD05 360-49442/5	B10515.D	09/23/2009	19:54
	STD1 360-49442/6	B10516.D	09/23/2009	20:25
	STD25 360-49442/7	B10517.D	09/23/2009	20:57
	STD8 360-49442/8	B10518.D	09/23/2009	21:29
	STD10 360-49442/9	B10519.D	09/23/2009	22:01
	STD20 360-49442/10	B10520.D	09/23/2009	22:32

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: B10522.D DFTPP Injection Date: 09/23/2009

Instrument ID: Inst. B DFTPP Injection Time: 23:36

Analysis Batch No.: 49444

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.8	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	38.6	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	50.3	
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	7.3	
275	10.0 - 30.0 % of mass 198	28.4	
365	Greater than 1.0 % of mass 198	3.6	
441	Present but less than mass 443	14.8	
442	Greater than 40.0 % of mass 198	87.4	
443	17.0 - 23.0 % of mass 442	17.7	(20.3)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
OC-SB-468-0.0/1.0-XXX	360-24417-11	B10531.D	09/24/2009	04:22
OC-SB-471-0.0/1.0-XXX	360-24417-14	B10532.D	09/24/2009	04:53

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: J02880.D DFTPP Injection Date: 09/10/2009

Instrument ID: Inst. J DFTPP Injection Time: 12:50

Analysis Batch No.: 48803

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	36.3	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	42.0	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	52.8	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.0	
275	10.0 - 30.0 % of mass 198	27.5	
365	Greater than 1.0 % of mass 198	3.5	
441	Present but less than mass 443	9.3	
442	Greater than 40.0 % of mass 198	62.4	
443	17.0 - 23.0 % of mass 442	11.9	(19.0)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 360-48803/3	J02883.D	09/10/2009	16:55
	STD01 360-48803/4	J02884.D	09/10/2009	17:25
	STD025 360-48803/5	J02885.D	09/10/2009	17:55
	STD050 360-48803/6	J02886.D	09/10/2009	18:25
	STD1 360-48803/7	J02887.D	09/10/2009	18:55
	STD25 360-48803/8	J02888.D	09/10/2009	19:25
	STD8 360-48803/9	J02889.D	09/10/2009	19:55
	STD10 360-48803/10	J02890.D	09/10/2009	20:25
	STD20 360-48803/11	J02891.D	09/10/2009	20:55

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: J02915.D DFTPP Injection Date: 09/12/2009

Instrument ID: Inst. J DFTPP Injection Time: 10:45

Analysis Batch No.: 48876

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	33.3	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	38.3	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	49.9	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	29.9	
365	Greater than 1.0 % of mass 198	4.0	
441	Present but less than mass 443	12.5	
442	Greater than 40.0 % of mass 198	84.5	
443	17.0 - 23.0 % of mass 442	15.9	(18.8)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-48876/2	J02916.D	09/12/2009	11:16
	MB 360-48800/1-A	J02917.D	09/12/2009	11:46
	LCS 360-48800/2-A	J02918.D	09/12/2009	12:17
	LCSD 360-48800/3-A	J02919.D	09/12/2009	12:47
OC-SB-464-0.0/1.0-XXX	360-24417-4	J02927.D	09/12/2009	16:48
OC-SB-464-5.0/7.0-XXX	360-24417-6	J02928.D	09/12/2009	17:19
OC-SB-465-0.0/1.0-XXX	360-24417-7	J02929.D	09/12/2009	17:49
OC-SB-465-8.0/10-DUP	360-24417-9	J02931.D	09/12/2009	18:50
OC-SB-468-0.0/1.0-XXX	360-24417-11	J02932.D	09/12/2009	19:20

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: J03039.D DFTPP Injection Date: 09/21/2009

Instrument ID: Inst. J DFTPP Injection Time: 14:57

Analysis Batch No.: 49259

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	35.0	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	40.0	
70	Less than 2.0 % of mass 69	0.2	(0.6)1
127	40.0 - 60.0 % of mass 198	52.4	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	29.4	
365	Greater than 1.0 % of mass 198	3.9	
441	Present but less than mass 443	11.0	
442	Greater than 40.0 % of mass 198	74.1	
443	17.0 - 23.0 % of mass 442	14.0	(19.0)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 360-49259/2	J03040.D	09/21/2009	15:23
	STD01 360-49259/3	J03041.D	09/21/2009	15:50
	STD025 360-49259/4	J03042.D	09/21/2009	16:17
	STD05 360-49259/5	J03043.D	09/21/2009	16:44
	STD1 360-49259/6	J03044.D	09/21/2009	17:11
	STD25 360-49259/7	J03045.D	09/21/2009	17:39
	STD8 360-49259/8	J03046.D	09/21/2009	18:06
	STD10 360-49259/9	J03047.D	09/21/2009	18:33
	STD20 360-49259/10	J03048.D	09/21/2009	18:59
	MB 360-48924/1-A	J03050.D	09/21/2009	19:53
	LCS 360-48924/2-A	J03051.D	09/21/2009	20:20
	LCSD 360-48924/3-A	J03052.D	09/21/2009	20:47

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: J03053.D DFTPP Injection Date: 09/21/2009

Instrument ID: Inst. J DFTPP Injection Time: 21:14

Analysis Batch No.: 49260

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	34.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	38.9	
70	Less than 2.0 % of mass 69	0.1	(0.2)1
127	40.0 - 60.0 % of mass 198	50.1	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	29.8	
365	Greater than 1.0 % of mass 198	4.2	
441	Present but less than mass 443	12.2	
442	Greater than 40.0 % of mass 198	81.9	
443	17.0 - 23.0 % of mass 442	15.5	(18.9)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-49260/16	J03054.D	09/21/2009	21:41
OC-SB-465-8.0/10-XXX	360-24417-10	J03055.D	09/21/2009	22:09
OC-SB-465-8.0/10-XXX MS	360-24417-10 MS	J03056.D	09/21/2009	22:36
OC-SB-465-8.0/10-XXX MSD	360-24417-10 MSD	J03057.D	09/21/2009	23:03
OC-SB-465-0.0/1.0-XXX	360-24417-7	J03058.D	09/21/2009	23:30
OC-SB-465-8.0/10-DUP	360-24417-9	J03060.D	09/22/2009	00:24
OC-SB-468-8.0/10-XXX	360-24417-13	J03061.D	09/22/2009	00:51
OC-SB-471-3.0/5.0-XXX	360-24417-15	J03063.D	09/22/2009	01:45

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: J03090.D DFTPP Injection Date: 09/23/2009

Instrument ID: Inst. J DFTPP Injection Time: 14:44

Analysis Batch No.: 49396

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	44.8	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	50.4	
70	Less than 2.0 % of mass 69	0.3	(0.7)1
127	40.0 - 60.0 % of mass 198	57.9	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	25.5	
365	Greater than 1.0 % of mass 198	4.1	
441	Present but less than mass 443	8.9	
442	Greater than 40.0 % of mass 198	63.1	
443	17.0 - 23.0 % of mass 442	12.1	(19.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 360-49396/2	J03091.D	09/23/2009	16:23
	STD01 360-49396/3	J03092.D	09/23/2009	16:56
	STD025 360-49396/4	J03093.D	09/23/2009	17:29
	STD05 360-49396/5	J03094.D	09/23/2009	18:02
	STD1 360-49396/6	J03095.D	09/23/2009	18:35
	STD25 360-49396/7	J03096.D	09/23/2009	19:08
	STD8 360-49396/8	J03097.D	09/23/2009	19:41
	STD10 360-49396/9	J03098.D	09/23/2009	20:14
	STD20 360-49396/10	J03099.D	09/23/2009	20:48

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: J03100.D DFTPP Injection Date: 09/23/2009

Instrument ID: Inst. J DFTPP Injection Time: 21:55

Analysis Batch No.: 49397

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	47.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	51.0	
70	Less than 2.0 % of mass 69	0.3	(0.5)1
127	40.0 - 60.0 % of mass 198	59.6	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	25.3	
365	Greater than 1.0 % of mass 198	4.1	
441	Present but less than mass 443	8.1	
442	Greater than 40.0 % of mass 198	56.7	
443	17.0 - 23.0 % of mass 442	10.8	(19.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 360-49397/13	J03101.D	09/23/2009	22:29
	MB 360-48958/1-A	J03102.D	09/23/2009	23:03
	LCS 360-48958/2-A	J03103.D	09/23/2009	23:37
	LCSD 360-48958/3-A	J03104.D	09/24/2009	00:11
OC-SB-465-8.0/10-XXX	360-24417-10	J03105.D	09/24/2009	00:45
OC-SB-465-8.0/10-XXX MS	360-24417-10 MS	J03106.D	09/24/2009	01:19
OC-SB-465-8.0/10-XXX MSD	360-24417-10 MSD	J03107.D	09/24/2009	01:53
OC-SB-468-8.0/10-XXX	360-24417-13	J03109.D	09/24/2009	03:01
OC-SB-471-0.0/1.0-XXX	360-24417-14	J03110.D	09/24/2009	03:34
OC-SB-471-3.0/5.0-XXX	360-24417-15	J03111.D	09/24/2009	04:08

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Sample No.: CCV 360-48876/2 Date Analyzed: 09/12/2009 11:16

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

Lab File ID (Standard): J02916.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		219125	5.01	454555	6.23	230681	7.96
UPPER LIMIT		438250	5.51	909110	6.73	461362	8.46
LOWER LIMIT		109563	4.51	227278	5.73	115341	7.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-48800/1-A		177354	5.01	444697	6.23	226547	7.95
LCS 360-48800/2-A		255013	5.01	495437	6.23	250491	7.96
LCSD 360-48800/3-A		261034	5.01	519991	6.23	262275	7.96
360-24417-4	OC-SB-464-0.0/1.0-XXX	183529	5.01	451709	6.23	230574	7.96
360-24417-6	OC-SB-464-5.0/7.0-XXX	202399	5.01	509010	6.23	259245	7.96
360-24417-7	OC-SB-465-0.0/1.0-XXX	226745	5.01	570059	6.23	292043	7.95
360-24417-9	OC-SB-465-8.0/10-DUP	197783	5.01	488860	6.23	248794	7.96
360-24417-11	OC-SB-468-0.0/1.0-XXX	196215	5.01	496004	6.23	251837	7.96

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.: 360-24417-1

SDG No.: OCRI-10

Sample No.: CCV 360-48876/2 Date Analyzed: 09/12/2009 11:16

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

Lab File ID (Standard): J02916.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		375463	9.42	224762	12.05	118939	13.49
UPPER LIMIT		750926	9.92	449524	12.55	237878	13.99
LOWER LIMIT		187732	8.92	112381	11.55	59470	12.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-48800/1-A		371928	9.43	231542	12.06	135808	13.49
LCS 360-48800/2-A		404559	9.42	242819	12.06	147765	13.50
LCSD 360-48800/3-A		429536	9.42	269973	12.06	176085	13.50
360-24417-4	OC-SB-464-0.0/1.0-XXX	373574	9.42	232890	12.06	147138	13.50
360-24417-6	OC-SB-464-5.0/7.0-XXX	418964	9.42	259557	12.06	162501	13.50
360-24417-7	OC-SB-465-0.0/1.0-XXX	496290	9.42	320194	12.06	199890	13.50
360-24417-9	OC-SB-465-8.0/10-DUP	405868	9.42	251189	12.06	147108	13.50
360-24417-11	OC-SB-468-0.0/1.0-XXX	422083	9.42	239158	12.06	139136	13.50

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

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

Column used to flag values outside QC limits

FORM VIII 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Sample No.: CCV 360-49260/16 Date Analyzed: 09/21/2009 21:41

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

Lab File ID (Standard): J03054.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		83372	6.30	174508	7.64	86226	9.37
UPPER LIMIT		166744	6.80	349016	8.14	172452	9.87
LOWER LIMIT		41686	5.80	87254	7.14	43113	8.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24417-10	OC-SB-465-8.0/10-XXX	80455	6.30	202892	7.64	95846	9.37
360-24417-10 MS	OC-SB-465-8.0/10-XXX MS	101469	6.30	197688	7.64	96188	9.37
360-24417-10 MSD	OC-SB-465-8.0/10-XXX MSD	108416	6.30	210879	7.64	104937	9.37
360-24417-7	OC-SB-465-0.0/1.0-XXX	68749	6.30	172584	7.64	82368	9.37
360-24417-9	OC-SB-465-8.0/10-DUP	77801	6.30	191451	7.64	91764	9.37
360-24417-13	OC-SB-468-8.0/10-XXX	85516	6.30	213418	7.64	102716	9.37
360-24417-15	OC-SB-471-3.0/5.0-XXX	75469	6.30	187779	7.64	92216	9.37

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

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

Column used to flag values outside QC limits

FORM VIII 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Sample No.: CCV 360-49260/16 Date Analyzed: 09/21/2009 21:41

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

Lab File ID (Standard): J03054.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		135967	10.81	86128	13.37	56168	14.71
UPPER LIMIT		271934	11.31	172256	13.87	112336	15.21
LOWER LIMIT		67984	10.31	43064	12.87	28084	14.21
LAB SAMPLE ID	CLIENT SAMPLE ID						
360-24417-10	OC-SB-465-8.0/10-XXX	155257	10.81	102328	13.37	76701	14.71
360-24417-10 MS	OC-SB-465-8.0/10-XXX MS	157018	10.81	110348	13.38	82913	14.71
360-24417-10 MSD	OC-SB-465-8.0/10-XXX MSD	164991	10.81	114313	13.37	83629	14.71
360-24417-7	OC-SB-465-0.0/1.0-XXX	131462	10.80	93068	13.37	78516	14.71
360-24417-9	OC-SB-465-8.0/10-DUP	147152	10.81	97343	13.37	76553	14.71
360-24417-13	OC-SB-468-8.0/10-XXX	166560	10.81	104394	13.37	79936	14.71
360-24417-15	OC-SB-471-3.0/5.0-XXX	148519	10.81	95791	13.37	73040	14.71

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

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

Column used to flag values outside QC limits

FORM VIII 8270C LL

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Sample No.: CCV 360-49397/13 Date Analyzed: 09/23/2009 22:29

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

Lab File ID (Standard): J03101.D Heated Purge: (Y/N) N

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		105434	8.58	209604	9.89	103801	11.69
UPPER LIMIT		210868	9.08	419208	10.39	207602	12.19
LOWER LIMIT		52717	8.08	104802	9.39	51901	11.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-48958/1-A		70839	8.58	170081	9.89	84787	11.69
LCS 360-48958/2-A		87738	8.58	175904	9.89	86314	11.69
LCSD 360-48958/3-A		90122	8.58	173433	9.89	86194	11.69
360-24417-10	OC-SB-465-8.0/10-XXX	71014	8.58	172668	9.89	87178	11.69
360-24417-10 MS	OC-SB-465-8.0/10-XXX MS	96935	8.58	193094	9.89	96548	11.69
360-24417-10 MSD	OC-SB-465-8.0/10-XXX MSD	110667	8.58	208276	9.89	101954	11.69
360-24417-13	OC-SB-468-8.0/10-XXX	78555	8.58	193091	9.89	96859	11.69
360-24417-14	OC-SB-471-0.0/1.0-XXX	82110	8.58	199974	9.89	100454	11.69
360-24417-15	OC-SB-471-3.0/5.0-XXX	75790	8.58	181242	9.89	92629	11.69

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.: 360-24417-1

SDG No.: OCRI-10

Sample No.: CCV 360-49397/13 Date Analyzed: 09/23/2009 22:29

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

Lab File ID (Standard): J03101.D Heated Purge: (Y/N) N

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		171898	13.18	133032	16.01	77671	17.91
UPPER LIMIT		343796	13.68	266064	16.51	155342	18.41
LOWER LIMIT		85949	12.68	66516	15.51	38836	17.41
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 360-48958/1-A		138626	13.18	92215	16.01	46698	17.91
LCS 360-48958/2-A		144253	13.18	105285	16.01	59442	17.91
LCSD 360-48958/3-A		146452	13.19	103740	16.01	57893	17.91
360-24417-10	OC-SB-465-8.0/10-XXX	141672	13.18	102678	16.01	59594	17.91
360-24417-10 MS	OC-SB-465-8.0/10-XXX MS	159750	13.18	111343	16.01	65207	17.91
360-24417-10 MSD	OC-SB-465-8.0/10-XXX MSD	164273	13.18	113552	16.01	71036	17.91
360-24417-13	OC-SB-468-8.0/10-XXX	155365	13.19	104933	16.01	71594	17.91
360-24417-14	OC-SB-471-0.0/1.0-XXX	165501	13.18	91890	16.01	62503	17.91
360-24417-15	OC-SB-471-3.0/5.0-XXX	148788	13.18	82276	16.01	57578	17.92

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.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-0.0/1.0-XXX | Lab Sample ID: 360-24417-1

Matrix: Solid | Lab File ID: B10466.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 13:00

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.37(g) | Date Analyzed: 09/22/2009 06:23

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

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

% Moisture: 3.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		34	10
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		34	10
120-82-1	1,2,4-Trichlorobenzene	ND		34	10
95-50-1	1,2-Dichlorobenzene	ND		34	10
541-73-1	1,3-Dichlorobenzene	ND		34	10
106-46-7	1,4-Dichlorobenzene	ND		34	10
90-12-0	1-Methylnaphthalene	ND		34	10
108-60-1	2,2'-oxybis[1-chloropropane]	ND		34	10
58-90-2	2,3,4,6-Tetrachlorophenol	ND		34	10
95-95-4	2,4,5-Trichlorophenol	ND		34	10
88-06-2	2,4,6-Trichlorophenol	ND		34	10
120-83-2	2,4-Dichlorophenol	ND		34	10
105-67-9	2,4-Dimethylphenol	ND		34	13
51-28-5	2,4-Dinitrophenol	ND		34	10
121-14-2	2,4-Dinitrotoluene	ND		34	10
606-20-2	2,6-Dinitrotoluene	ND		34	10
91-58-7	2-Chloronaphthalene	ND		34	10
95-57-8	2-Chlorophenol	ND		34	10
91-57-6	2-Methylnaphthalene	ND		34	10
95-48-7	2-Methylphenol	ND		34	21
88-74-4	2-Nitroaniline	ND		170	10
88-75-5	2-Nitrophenol	ND		34	10
15831-10-4	3 & 4 Methylphenol	ND		34	10
91-94-1	3,3'-Dichlorobenzidine	ND		68	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		34	10
59-50-7	4-Chloro-3-methylphenol	ND		68	10
106-47-8	4-Chloroaniline	ND		68	10
7005-72-3	4-Chlorophenyl phenyl ether	ND		34	10
100-01-6	4-Nitroaniline	ND		170	10
100-02-7	4-Nitrophenol	ND		170	10
83-32-9	Acenaphthene	ND		34	10
208-96-8	Acenaphthylene	ND		34	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-0.0/1.0-XXX | Lab Sample ID: 360-24417-1

Matrix: Solid | Lab File ID: B10466.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 13:00

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.37(g) | Date Analyzed: 09/22/2009 06:23

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

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

% Moisture: 3.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		34	10
62-53-3	Aniline	ND	*	34	10
120-12-7	Anthracene	ND		34	10
1912-24-9	Atrazine	ND		34	10
103-33-3	Azobenzene	ND		34	10
100-52-7	Benzaldehyde	ND		34	10
56-55-3	Benzo[a]anthracene	ND		34	10
50-32-8	Benzo[a]pyrene	ND		34	10
205-99-2	Benzo[b]fluoranthene	ND		34	10
191-24-2	Benzo[g,h,i]perylene	ND		34	10
207-08-9	Benzo[k]fluoranthene	ND		34	10
65-85-0	Benzoic acid	ND		170	15
119-61-9	Benzophenone	ND		34	10
100-51-6	Benzyl alcohol	ND		68	29
111-91-1	Bis(2-chloroethoxy)methane	ND		34	10
111-44-4	Bis(2-chloroethyl)ether	ND		34	10
117-81-7	Bis(2-ethylhexyl) phthalate	50		34	10
85-68-7	Butyl benzyl phthalate	ND		34	10
105-60-2	Caprolactam	ND		34	10
86-74-8	Carbazole	ND		34	10
218-01-9	Chrysene	ND		34	10
53-70-3	Dibenz(a,h)anthracene	ND		34	10
132-64-9	Dibenzofuran	ND		34	10
84-66-2	Diethyl phthalate	ND		34	10
131-11-3	Dimethyl phthalate	ND		34	10
84-74-2	Di-n-butyl phthalate	ND		34	30
117-84-0	Di-n-octyl phthalate	ND		34	17
101-84-8	Diphenyl oxide	ND		34	10
206-44-0	Fluoranthene	ND		34	10
86-73-7	Fluorene	ND		34	10
118-74-1	Hexachlorobenzene	ND		34	10
87-68-3	Hexachlorobutadiene	ND		34	10
77-47-4	Hexachlorocyclopentadiene	ND		68	10
67-72-1	Hexachloroethane	ND		34	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-0.0/1.0-XXX | Lab Sample ID: 360-24417-1

Matrix: Solid | Lab File ID: B10466.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 13:00

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.37(g) | Date Analyzed: 09/22/2009 06:23

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

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

% Moisture: 3.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		34	10
78-59-1	Isophorone	ND		34	10
91-20-3	Naphthalene	ND		82	10
98-95-3	Nitrobenzene	ND		34	10
62-75-9	N-Nitrosodimethylamine	ND		34	12
621-64-7	N-Nitrosodi-n-propylamine	ND		34	10
86-30-6	N-Nitrosodiphenylamine	ND		34	10
87-86-5	Pentachlorophenol	ND		34	10
85-01-8	Phenanthrene	ND		41	10
108-95-2	Phenol	ND		34	10
129-00-0	Pyrene	ND		34	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	62	30-130	
321-60-8	2-Fluorobiphenyl	58	30-130	
367-12-4	2-Fluorophenol	70	30-130	
4165-60-0	Nitrobenzene-d5	69	30-130	
4165-62-2	Phenol-d5	69	30-130	
1718-51-0	Terphenyl-d14	57	30-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-0.0/1.0-XXX Lab Sample ID: 360-24417-1

Matrix: Solid Lab File ID: B10466.D

Analysis Method: 8270C LL Date Collected: 09/01/2009 13:00

Extract. Method: 3546 Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.37(g) Date Analyzed: 09/22/2009 06:23

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

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

% Moisture: 3.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 Units: ug/Kg

Number TICs Found: 1 TIC Result Total: 190

CAS NO.	COMPOUND NAME	RT	RESULT	Q
1599-67-3	1-Docosene	16.20	190	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10466.D		
Lims ID:	360-24417-A-1-C	Client ID:	OC-SB-463-0.0/1.0-XXX
Inject. Date:	22-Sep-2009 06:23:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-1-c		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	29
Lims Batch ID:	49266	Lims Sample ID:	29
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 13:01:16	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:01:16

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.897	7.900	-0.003	454486	2.00	
* 2 Naphthalene-d8	136	9.032	9.030	0.002	1075541	2.00	
* 3 Acenaphthene-d10	164	10.533	10.535	-0.002	563125	2.00	
* 4 Phenanthrene-d10	188	11.802	11.800	0.002	938676	2.00	
* 5 Chrysene-d12	240	15.404	15.397	0.007	605448	2.00	
* 6 Perylene-d12	264	17.857	17.840	0.016	684056	2.00	
$ 7 2-Fluorophenol	112	6.666	6.630	0.036	898269	7.02	
$ 8 Phenol-d5	99	7.537	7.520	0.017	1018172	6.91	
$ 9 Nitrobenzene-d5	82	8.393	8.390	0.003	472751	3.43	
$ 10 2-Fluorobiphenyl	172	9.927	9.924	0.003	1087622	2.92	
$ 11 2,4,6-Tribromophenol	330	11.206	11.204	0.002	212351	6.20	
$ 12 Terphenyl-d14	244	13.428	13.425	0.003	824972	2.86	
30 Acetophenone	105	8.249	8.246	0.003	13517	0.0769	
46 2-Methylnaphthalene	142	9.638	9.636	0.002	3791	0.0139	
47 1-Methylnaphthalene	142	9.725	9.727	-0.002	3189	0.0120	
66 Diethyl phthalate	149	10.821	10.824	-0.003	4295	0.0121	
80 Phenanthrene	178	11.821	11.824	-0.003	11217	0.0231	
84 Di-n-butyl phthalate	149	12.206	12.204	0.002	69654	0.1216	
87 Fluoranthene	202	13.004	13.002	0.002	15093	0.0359	
85 Pyrene	202	13.307	13.305	0.002	14341	0.0292	
92 Bis(2-ethylhexyl) phthalate	149	15.284	15.281	0.003	413929	1.46	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10466.D		
Lims ID:	360-24417-A-1-C	Client ID:	OC-SB-463-0.0/1.0-XXX
Inject. Date:	22-Sep-2009 06:23:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-1-c		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	29
Lims Batch ID:	49266	Lims Sample ID:	29
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 13:01:16	Calib Date:	21-Sep-2009 19:31:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:01:16

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

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Pyridine	4.926	2606	0.0257	
1,2-Diphenylhydrazine	11.062	8250	0.0148	
Alpha-Terpineol	9.037	1375	0.0122	
Benzidine	13.101	72	0.1881	
Diphenylamine	11.062	28518	0.0932	
Pentachloronitrobenzene	11.672	147	0.0863	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
1599-67-3	1-Docosene					
16.197	4694381	5.53	5	92	5177	

Quantitation Compounds

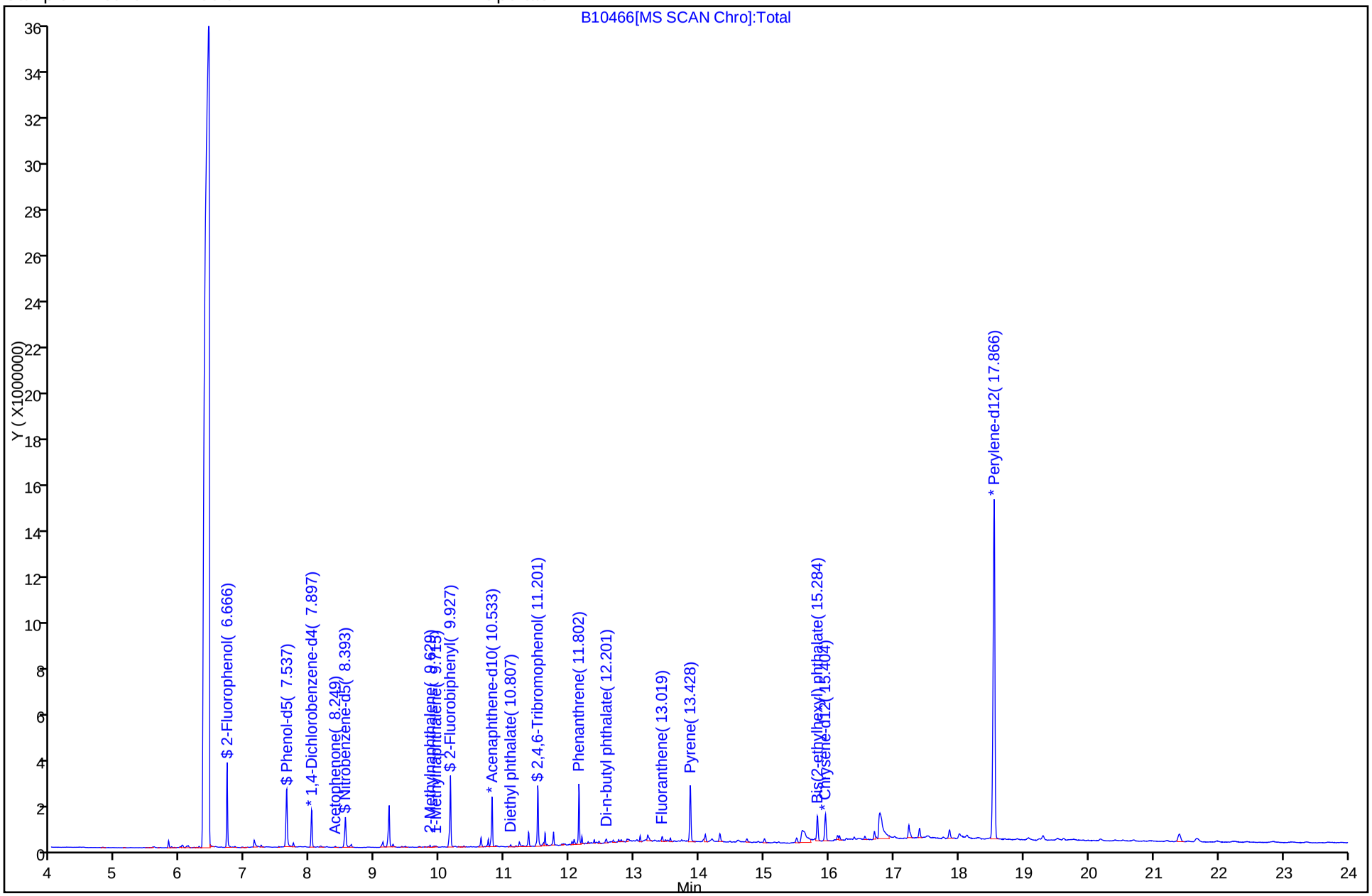
Compound	RT	Response	Amount ug/mL
* 5 Chrysene-d12	15.404	1697556	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 13:01:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10466.D		
Inj Date:	22-Sep-2009 06:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	29
Client ID:	OC-SB-463-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	360-24417-a-1-c		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 23-Sep-2009 13:01:19 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10466.D

Inj Date: 22-Sep-2009 06:23:30 Limit Group: SMS - 8270LL SVOA Calibration

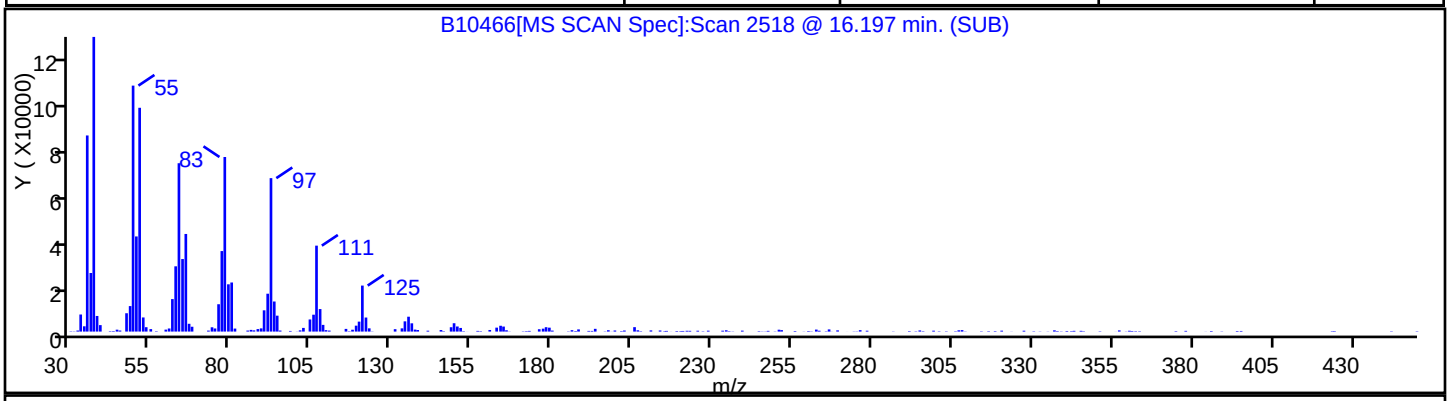
Lims Batch ID: 49266 Lims Sample ID: 29

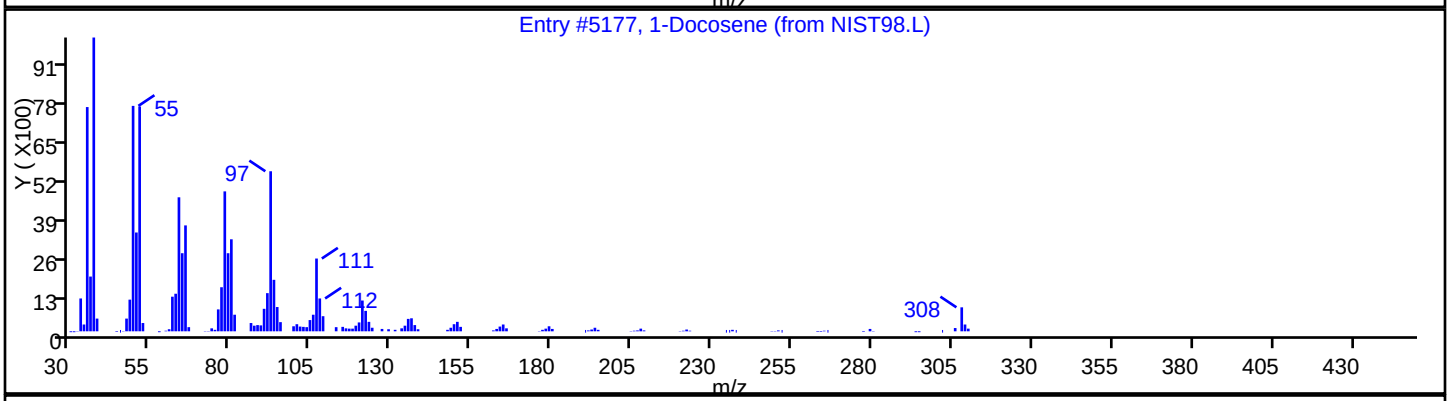
Client ID: OC-SB-463-0.0/1.0-XXX Instrument: Inst. B

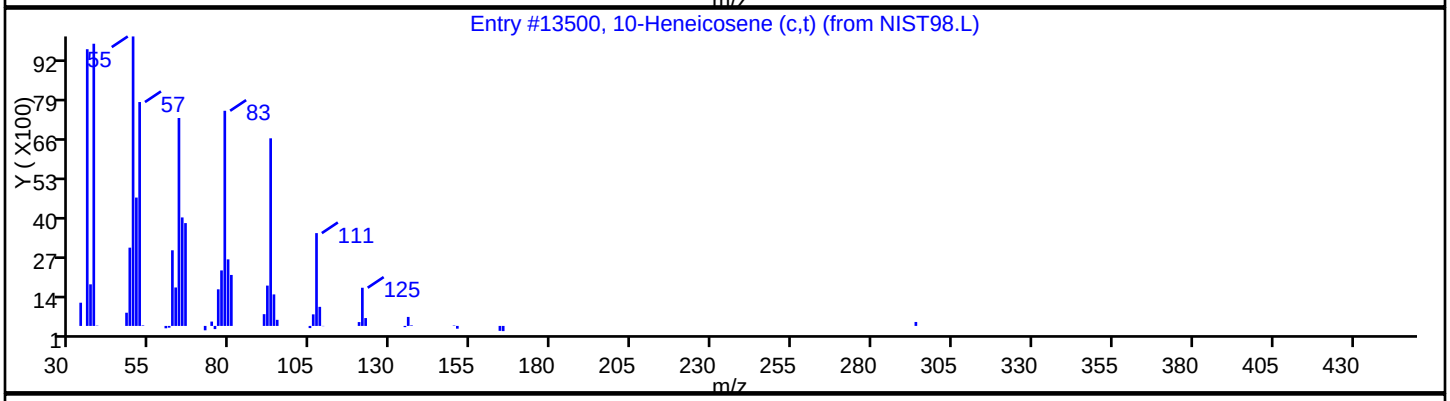
Sample Info: 360-24417-a-1-c

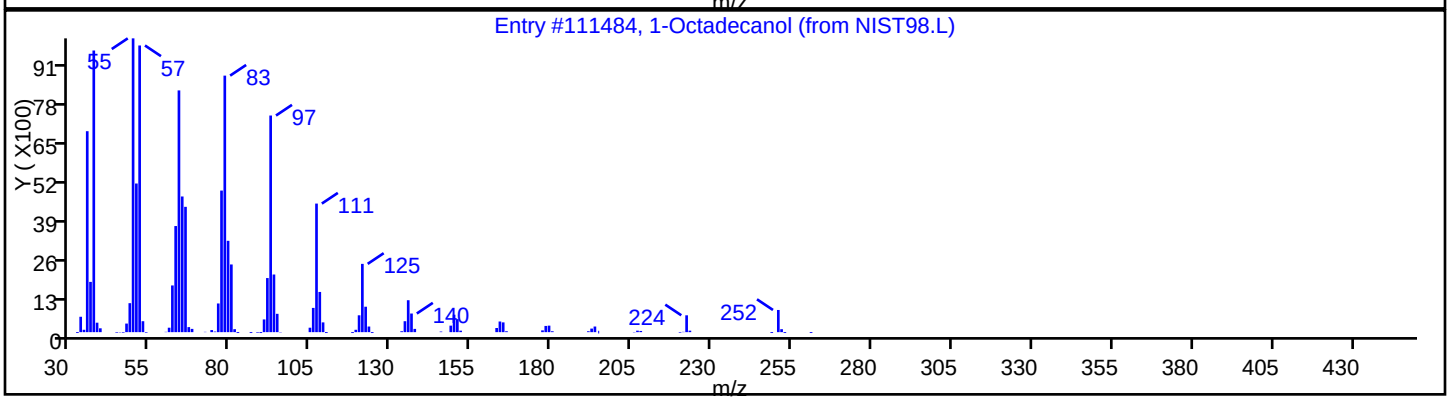
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Docosene	1599-67-3	NIST98.L	5177	92
10-Heneicosene (c,t)	95008-11-0	NIST98.L	13500	91
1-Octadecanol	112-92-5	NIST98.L	111484	91









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-6.0/8.0-XXX | Lab Sample ID: 360-24417-3

Matrix: Solid | Lab File ID: B10468.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 13:10

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.67(g) | Date Analyzed: 09/22/2009 07:25

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

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

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		39	12
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		39	12
120-82-1	1,2,4-Trichlorobenzene	ND		39	12
95-50-1	1,2-Dichlorobenzene	ND		39	12
541-73-1	1,3-Dichlorobenzene	ND		39	12
106-46-7	1,4-Dichlorobenzene	ND		39	12
90-12-0	1-Methylnaphthalene	ND		39	12
108-60-1	2,2'-oxybis[1-chloropropane]	ND		39	12
58-90-2	2,3,4,6-Tetrachlorophenol	ND		39	12
95-95-4	2,4,5-Trichlorophenol	ND		39	12
88-06-2	2,4,6-Trichlorophenol	ND		39	12
120-83-2	2,4-Dichlorophenol	ND		39	12
105-67-9	2,4-Dimethylphenol	ND		39	15
51-28-5	2,4-Dinitrophenol	ND		39	12
121-14-2	2,4-Dinitrotoluene	ND		39	12
606-20-2	2,6-Dinitrotoluene	ND		39	12
91-58-7	2-Chloronaphthalene	ND		39	12
95-57-8	2-Chlorophenol	ND		39	12
91-57-6	2-Methylnaphthalene	ND		39	12
95-48-7	2-Methylphenol	ND		39	23
88-74-4	2-Nitroaniline	ND		190	12
88-75-5	2-Nitrophenol	ND		39	12
15831-10-4	3 & 4 Methylphenol	ND		39	12
91-94-1	3,3'-Dichlorobenzidine	ND		78	12
99-09-2	3-Nitroaniline	ND		190	12
534-52-1	4,6-Dinitro-2-methylphenol	ND		190	12
101-55-3	4-Bromophenyl phenyl ether	ND		39	12
59-50-7	4-Chloro-3-methylphenol	ND		78	12
106-47-8	4-Chloroaniline	ND		78	12
7005-72-3	4-Chlorophenyl phenyl ether	ND		39	12
100-01-6	4-Nitroaniline	ND		190	12
100-02-7	4-Nitrophenol	ND		190	12
83-32-9	Acenaphthene	ND		39	12
208-96-8	Acenaphthylene	ND		39	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-6.0/8.0-XXX | Lab Sample ID: 360-24417-3

Matrix: Solid | Lab File ID: B10468.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 13:10

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.67(g) | Date Analyzed: 09/22/2009 07:25

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

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

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		39	12
62-53-3	Aniline	ND		39	12
120-12-7	Anthracene	ND		39	12
1912-24-9	Atrazine	ND		39	12
103-33-3	Azobenzene	ND		39	12
100-52-7	Benzaldehyde	ND		39	12
56-55-3	Benzo[a]anthracene	ND		39	12
50-32-8	Benzo[a]pyrene	ND		39	12
205-99-2	Benzo[b]fluoranthene	ND		39	12
191-24-2	Benzo[g,h,i]perylene	ND		39	12
207-08-9	Benzo[k]fluoranthene	ND		39	12
65-85-0	Benzoic acid	ND		190	17
119-61-9	Benzophenone	ND		39	12
100-51-6	Benzyl alcohol	ND		78	33
111-91-1	Bis(2-chloroethoxy)methane	ND		39	12
111-44-4	Bis(2-chloroethyl)ether	ND		39	12
117-81-7	Bis(2-ethylhexyl) phthalate	ND		39	12
85-68-7	Butyl benzyl phthalate	ND		39	12
105-60-2	Caprolactam	ND		39	12
86-74-8	Carbazole	ND		39	12
218-01-9	Chrysene	ND		39	12
53-70-3	Dibenz(a,h)anthracene	ND		39	12
132-64-9	Dibenzofuran	ND		39	12
84-66-2	Diethyl phthalate	ND		39	12
131-11-3	Dimethyl phthalate	ND		39	12
84-74-2	Di-n-butyl phthalate	ND		39	34
117-84-0	Di-n-octyl phthalate	ND		39	20
101-84-8	Diphenyl oxide	85		39	12
206-44-0	Fluoranthene	ND		39	12
86-73-7	Fluorene	ND		39	12
118-74-1	Hexachlorobenzene	ND		39	12
87-68-3	Hexachlorobutadiene	ND		39	12
77-47-4	Hexachlorocyclopentadiene	ND		78	12
67-72-1	Hexachloroethane	ND		39	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-6.0/8.0-XXX | Lab Sample ID: 360-24417-3

Matrix: Solid | Lab File ID: B10468.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 13:10

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.67(g) | Date Analyzed: 09/22/2009 07:25

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

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

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		39	12
78-59-1	Isophorone	ND		39	12
91-20-3	Naphthalene	ND		93	12
98-95-3	Nitrobenzene	ND		39	12
62-75-9	N-Nitrosodimethylamine	ND		39	14
621-64-7	N-Nitrosodi-n-propylamine	ND		39	12
86-30-6	N-Nitrosodiphenylamine	ND		39	12
87-86-5	Pentachlorophenol	ND		39	12
85-01-8	Phenanthrene	ND		47	12
108-95-2	Phenol	ND		39	12
129-00-0	Pyrene	ND		39	12

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	54	30-130	
321-60-8	2-Fluorobiphenyl	56	30-130	
367-12-4	2-Fluorophenol	64	30-130	
4165-60-0	Nitrobenzene-d5	63	30-130	
4165-62-2	Phenol-d5	63	30-130	
1718-51-0	Terphenyl-d14	53	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-463-6.0/8.0-XXX | Lab Sample ID: 360-24417-3

Matrix: Solid | Lab File ID: B10468.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 13:10

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.67(g) | Date Analyzed: 09/22/2009 07:25

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

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

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 256.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
128-37-0	Butylated Hydroxytoluene	10.48	25	T J N
27193-28-8	Phenol, (1,1,3,3-tetramethylbutyl)-	10.93	19	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	11.07	41	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.43	33	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	11.85	20	T J N
112-61-8	Octadecanoic acid, methyl ester	12.81	22	T J N
629-96-9	1-Eicosanol	15.10	28	T J N
630-3-5	Nonacosane	16.12	29	T J N
1000131-9-4	Z-12-Pentacosene	16.24	31	T J N
638-67-5	Tricosane	18.59	8.5	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10468.D		
Lims ID:	360-24417-A-3-C	Client ID:	OC-SB-463-6.0/8.0-XXX
Inject. Date:	22-Sep-2009 07:25:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-3-c		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	31
Lims Batch ID:	49266	Lims Sample ID:	31
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 13:05:58	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:05:58

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.900	0.002	530859	2.00	
* 2 Naphthalene-d8	136	9.032	9.030	0.002	1266630	2.00	
* 3 Acenaphthene-d10	164	10.532	10.535	-0.003	643685	2.00	
* 4 Phenanthrene-d10	188	11.802	11.800	0.002	1121660	2.00	
* 5 Chrysene-d12	240	15.404	15.397	0.007	712017	2.00	
* 6 Perylene-d12	264	17.856	17.840	0.016	612786	2.00	
$ 7 2-Fluorophenol	112	6.676	6.630	0.046	960378	6.43	
$ 8 Phenol-d5	99	7.536	7.520	0.016	1084846	6.31	
$ 9 Nitrobenzene-d5	82	8.392	8.390	0.002	507945	3.13	
$ 10 2-Fluorobiphenyl	172	9.926	9.924	0.002	1188917	2.80	
$ 11 2,4,6-Tribromophenol	330	11.206	11.204	0.002	220483	5.40	
$ 12 Terphenyl-d14	244	13.427	13.425	0.002	897608	2.65	
30 Acetophenone	105	8.248	8.246	0.002	23699	0.1154	
54 Phenyl ether	170	10.099	10.102	-0.003	450338	2.20	
13 Benzophenone	105	11.114	11.112	0.002	66619	0.1662	
84 Di-n-butyl phthalate	149	12.206	12.204	0.002	77474	0.1132	
92 Bis(2-ethylhexyl) phthalate	149	15.288	15.281	0.007	54532	0.2163	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10468.D		
Lims ID:	360-24417-A-3-C	Client ID:	OC-SB-463-6.0/8.0-XXX
Inject. Date:	22-Sep-2009 07:25:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-3-c		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	31
Lims Batch ID:	49266	Lims Sample ID:	31
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 13:05:58	Calib Date:	21-Sep-2009 19:31:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:05:58

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
1,2-Diphenylhydrazine	11.109	46678	0.0700	
Pyridine	4.896	1199	0.0101	
Alpha-Terpineol	9.017	9525	0.0720	
Benzidine	13.091	300	0.1911	
Pentachloronitrobenzene	11.633	130	0.0853	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
128-37-0 Butylated Hydroxytoluene						
10.479	884975	0.6452	3	94	126413	
27193-28-8 Phenol, (1,1,3,3-tetramethylbutyl)-						
10.931	686357	0.5004	3	95	61171	
615-22-5 Benzothiazole, 2-(methylthio)-						
11.066	1444985	1.05	3	99	125390	
3910-35-8 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3						
11.432	1270146	0.8517	4	95	126944	
22768-22-5 2,4-Diphenyl-4-methyl-2(E)-pentene						
11.845	768265	0.5151	4	95	64461	
112-61-8 Octadecanoic acid, methyl ester						
12.807	851655	0.5711	4	98	115468	
629-96-9 1-Eicosanol						
15.096	732111	0.7219	5	91	112640	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
630-3-5 Nonacosane						
16.120	771166	0.7604	5	98	109621	
1000131-9-4 Z-12-Pentacosene						
16.236	817667	0.8063	5	95	5690	
593-49-7 Heptacosane						
17.217	875536	0.2027	6	98	112354	
638-67-5 Tricosane						
18.587	943015	0.2183	6	94	16532	

Quantitation Compounds

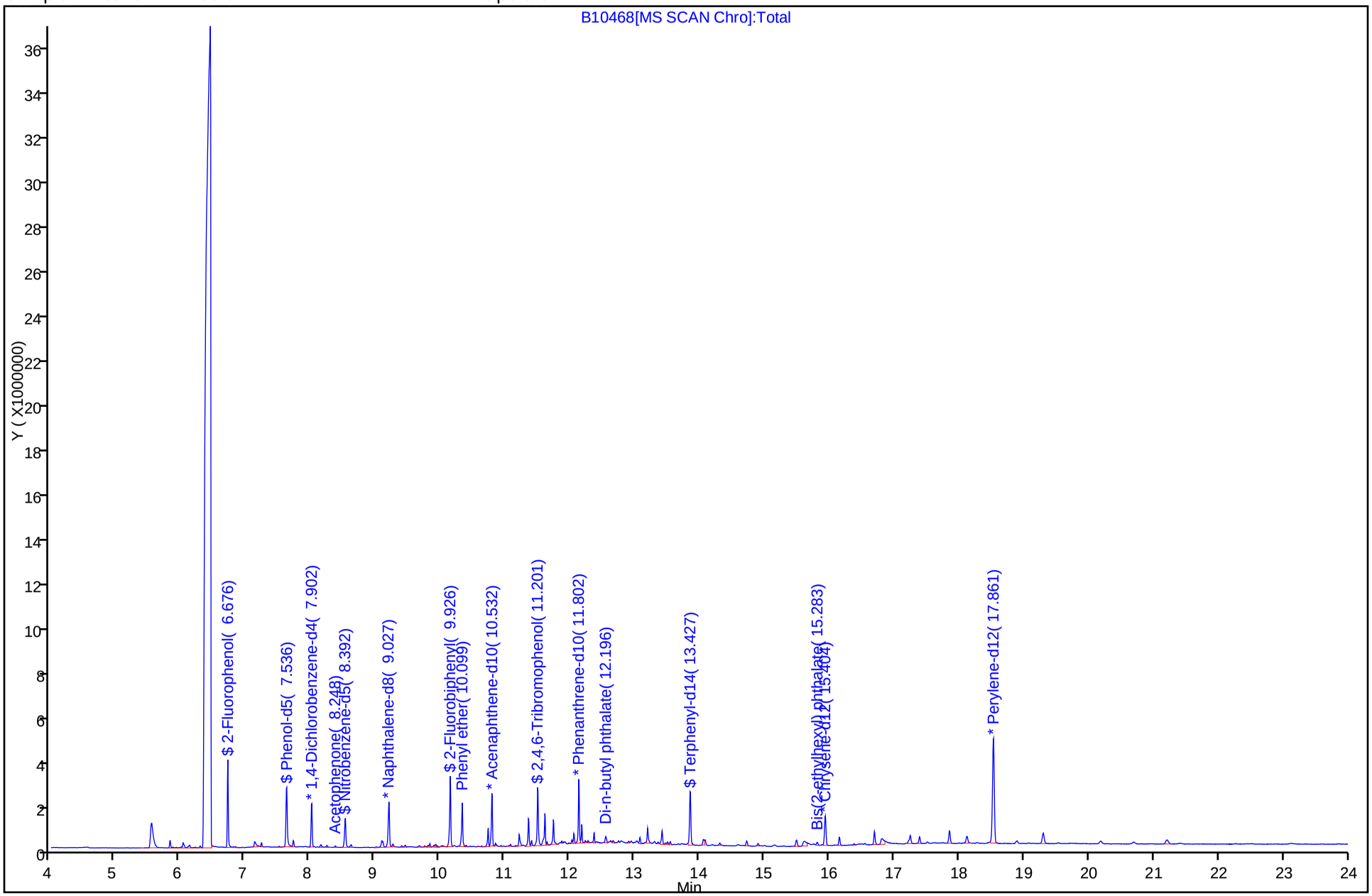
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	10.532	2743344	2.00
* 4 Phenanthrene-d10	11.802	2982686	2.00
* 5 Chrysene-d12	15.404	2028293	2.00
* 6 Perylene-d12	17.861	8640102	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 13:05:59 Chrom Revision: 1.1 20-Sep-2009 21:03:36

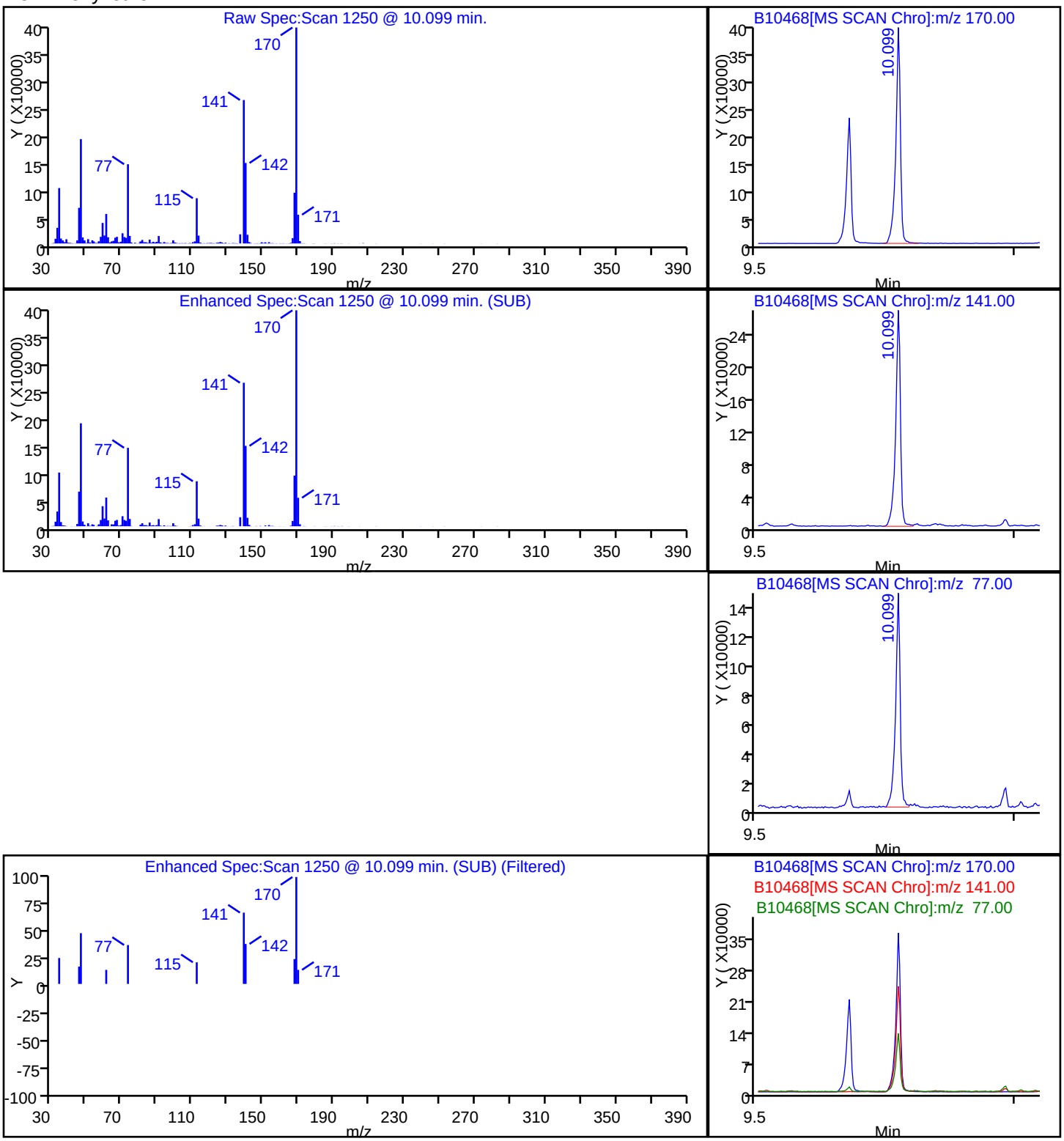
Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10468.D		
Inj Date:	22-Sep-2009 07:25:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	31
Client ID:	OC-SB-463-6.0/8.0-XXX	Instrument:	Inst. B
Sample Info:	360-24417-a-3-c		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 23-Sep-2009 13:06:00 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10468.D		
Inj Date:	22-Sep-2009 07:25:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	31
Client ID:	OC-SB-463-6.0/8.0-XXX	Instrument:	Inst. B
Sample Info:	360-24417-a-3-c		
Sample Amount:	1.00 ul	Operator:	MZ

54 Phenyl ether



Report Date: 23-Sep-2009 13:06:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10468.D

Inj Date: 22-Sep-2009 07:25:30 Limit Group: SMS - 8270LL SVOA Calibration

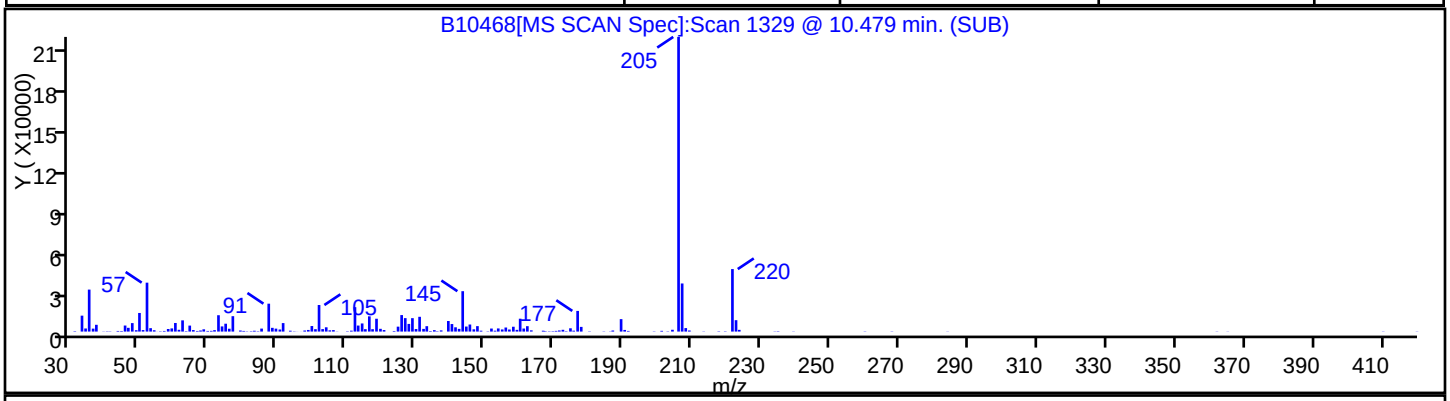
Lims Batch ID: 49266 Lims Sample ID: 31

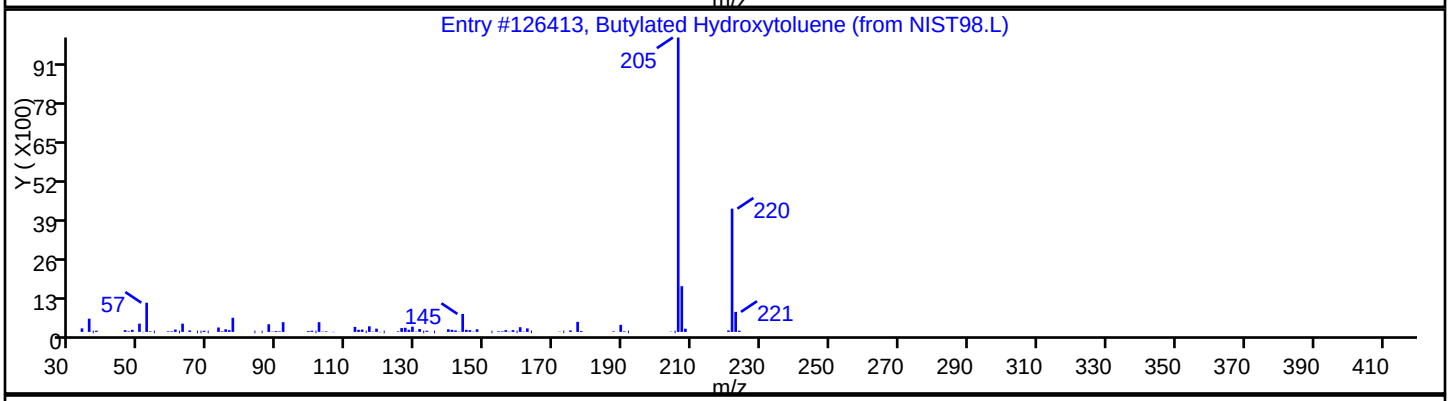
Client ID: OC-SB-463-6.0/8.0-XXX Instrument: Inst. B

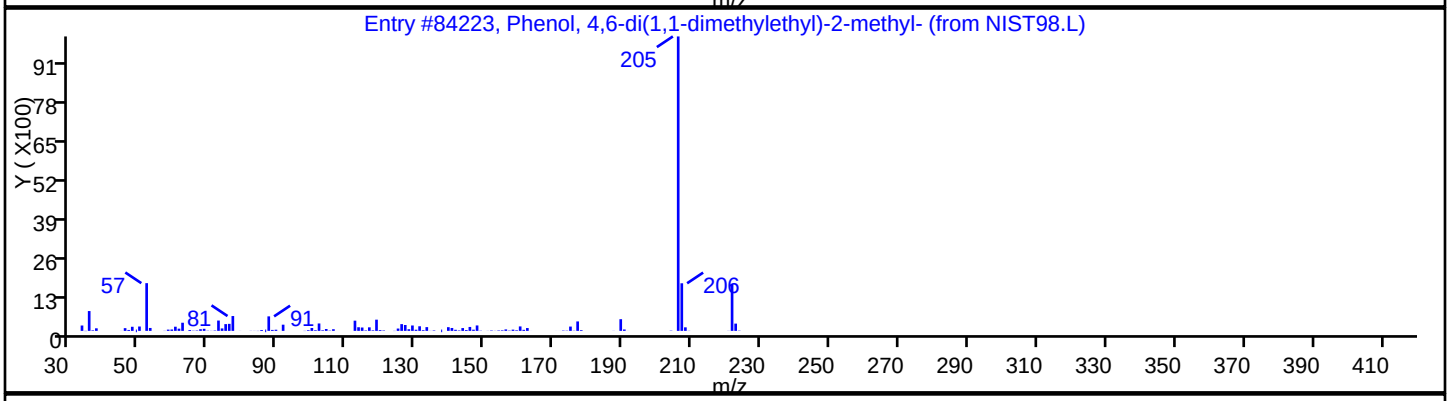
Sample Info: 360-24417-a-3-c

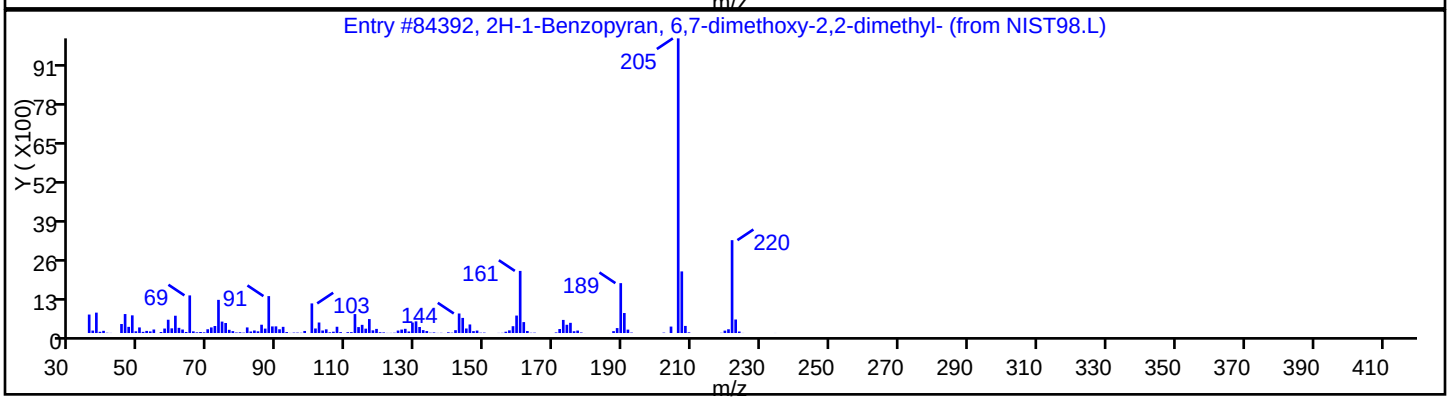
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butylated Hydroxytoluene	128-37-0	NIST98.L	126413	94
Phenol, 4,6-di(1,1-dimethylethyl)-2-meth	616-55-7	NIST98.L	84223	87
2H-1-Benzopyran, 6,7-dimethoxy-2,2-dimet	644-6-4	NIST98.L	84392	64









Report Date: 23-Sep-2009 13:06:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10468.D

Inj Date: 22-Sep-2009 07:25:30 Limit Group: SMS - 8270LL SVOA Calibration

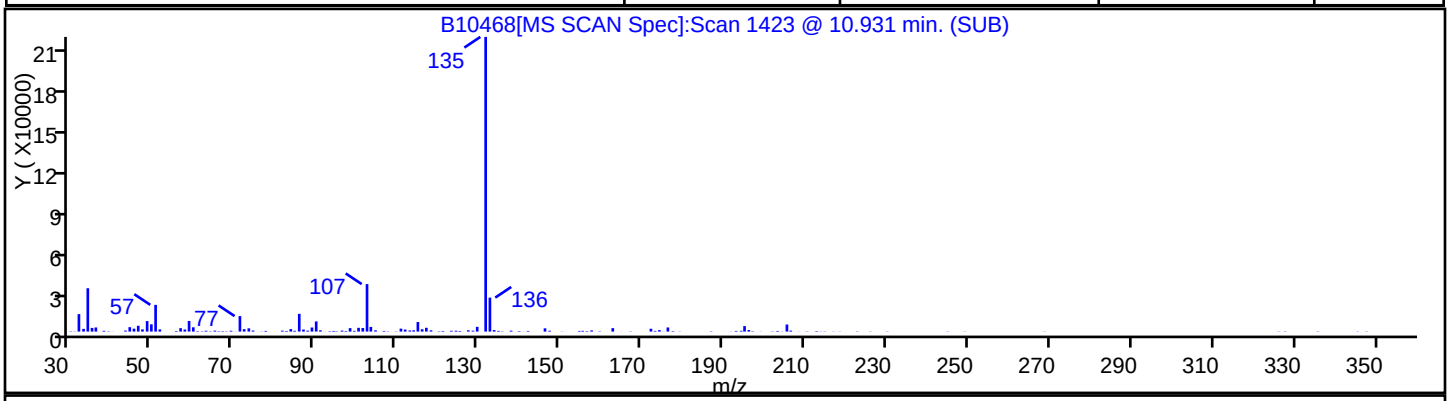
Lims Batch ID: 49266 Lims Sample ID: 31

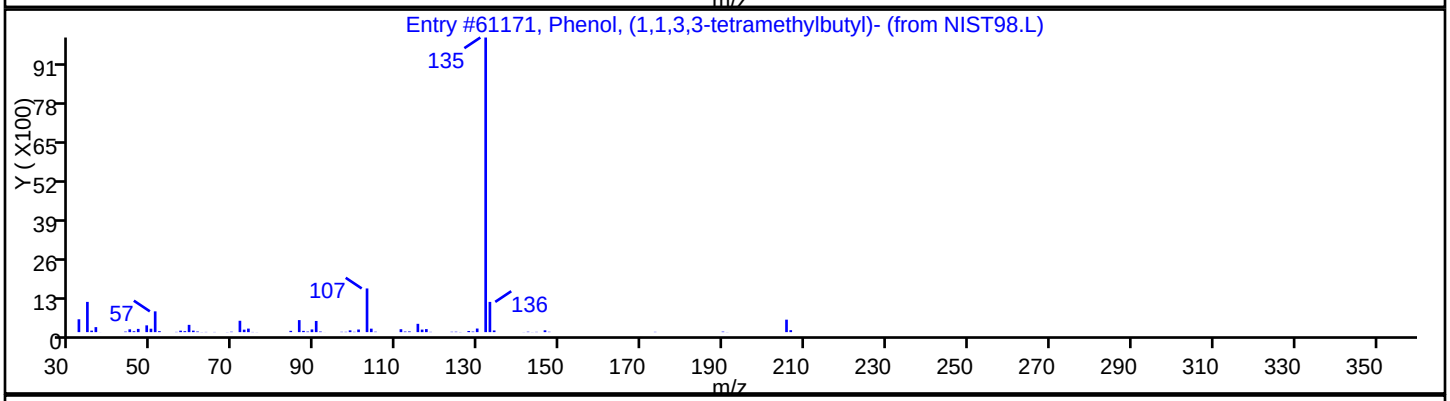
Client ID: OC-SB-463-6.0/8.0-XXX Instrument: Inst. B

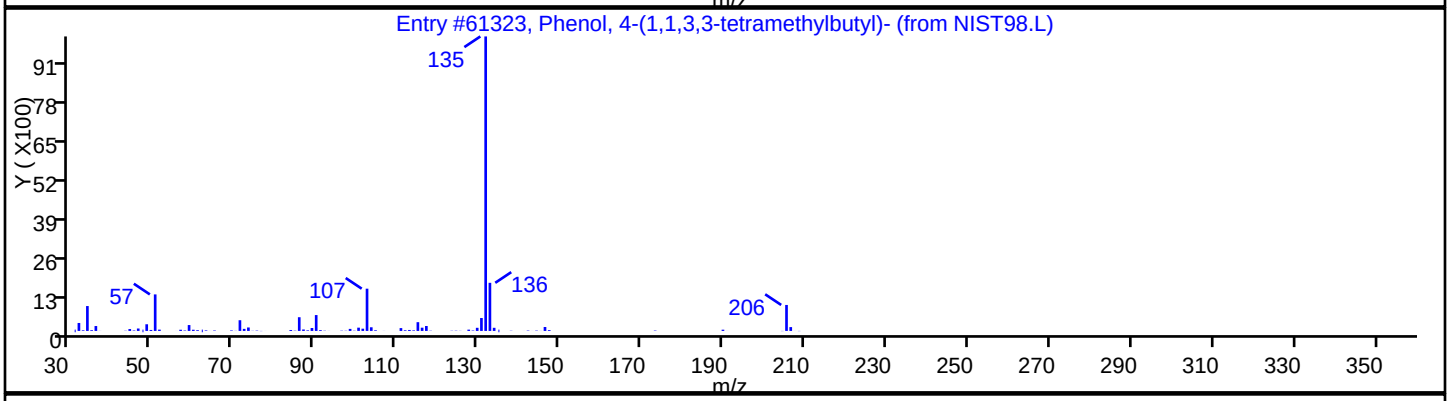
Sample Info: 360-24417-a-3-c

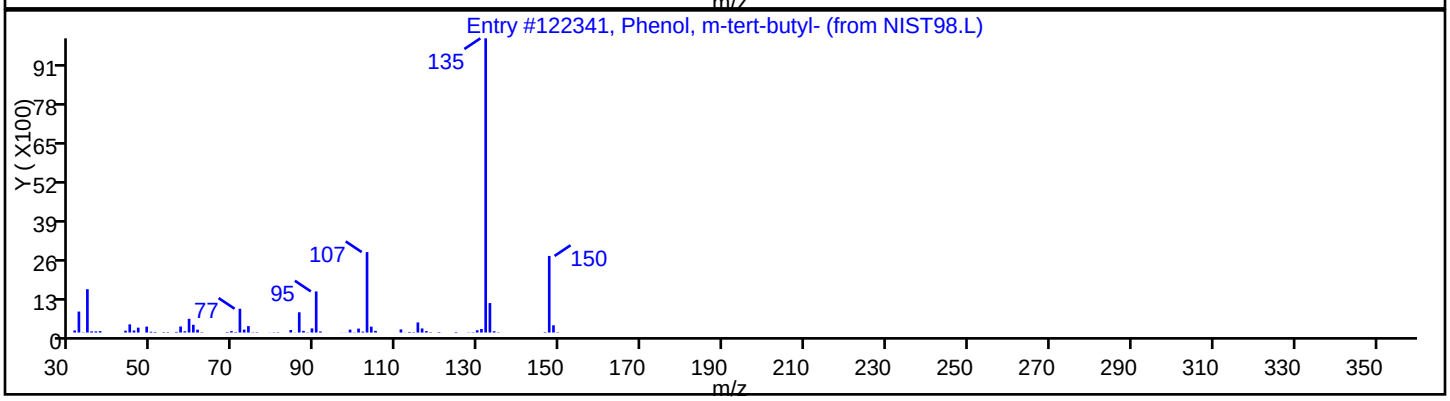
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	NIST98.L	61171	95
Phenol, 4-(1,1,3,3-tetramethylbutyl)-	140-66-9	NIST98.L	61323	86
Phenol, m-tert-butyl-	585-34-2	NIST98.L	122341	59









Report Date: 23-Sep-2009 13:06:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10468.D

Inj Date: 22-Sep-2009 07:25:30 Limit Group: SMS - 8270LL SVOA Calibration

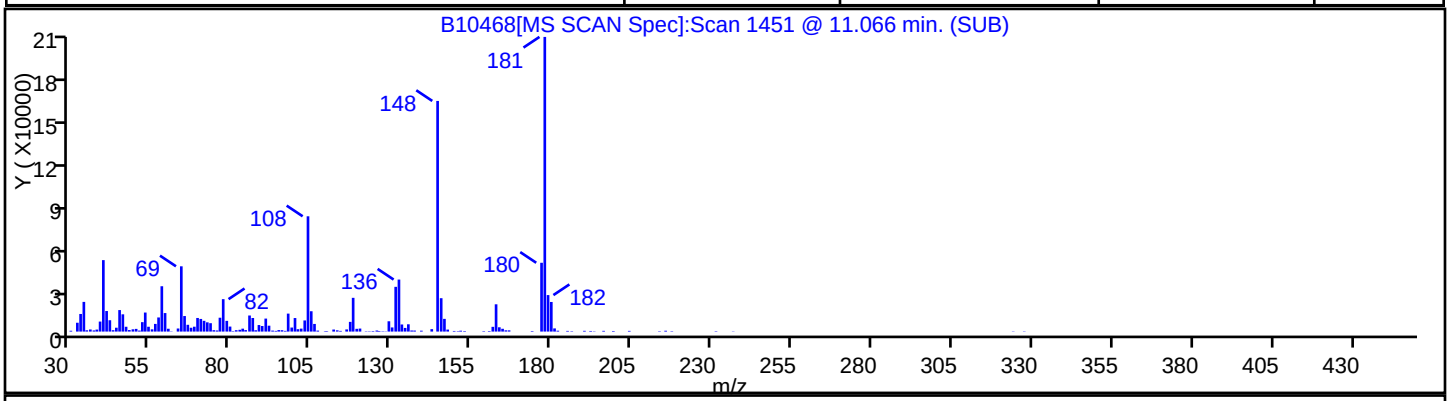
Lims Batch ID: 49266 Lims Sample ID: 31

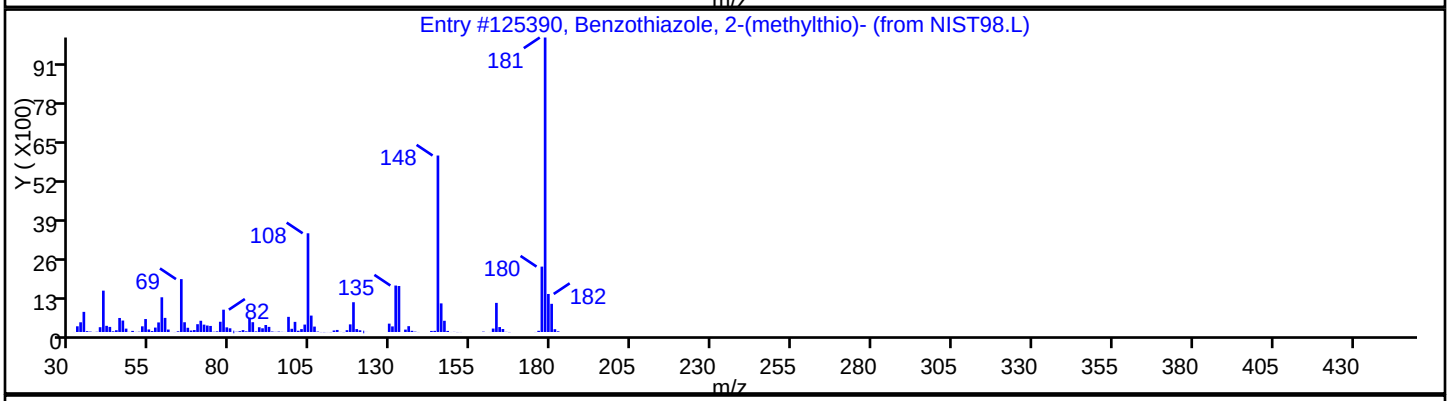
Client ID: OC-SB-463-6.0/8.0-XXX Instrument: Inst. B

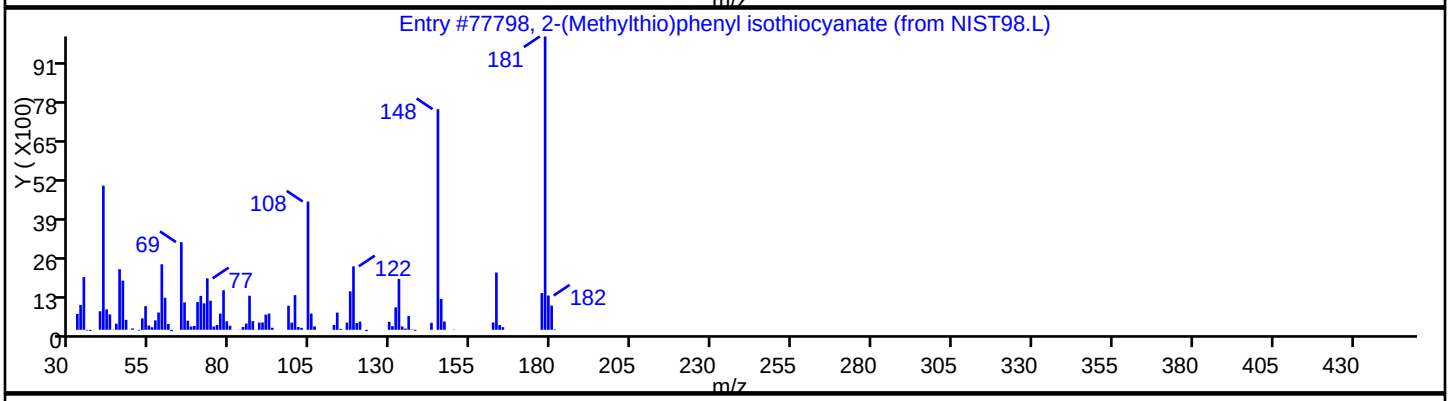
Sample Info: 360-24417-a-3-c

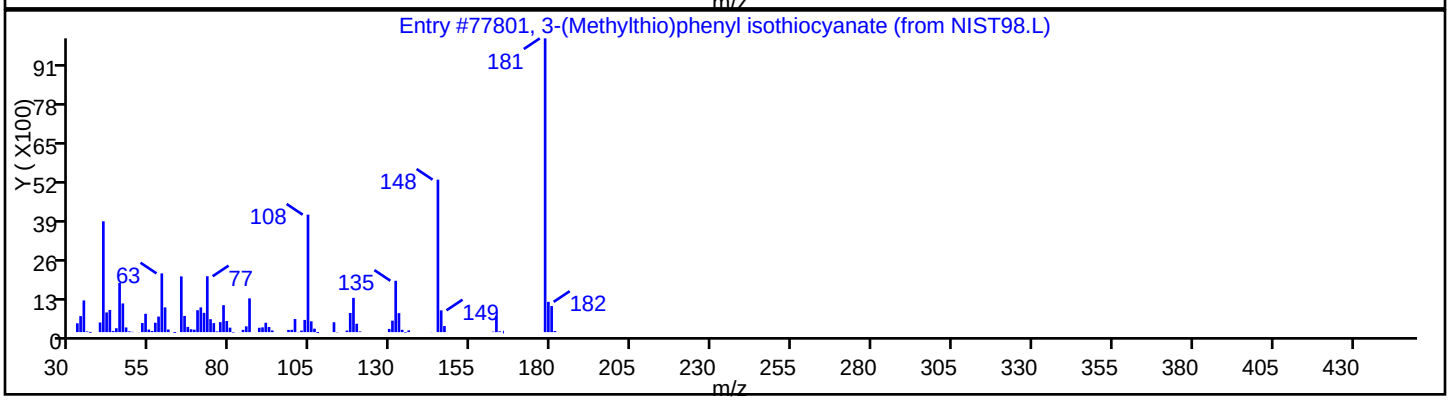
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	125390	99
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	87
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	76









Report Date: 23-Sep-2009 13:06:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10468.D

Inj Date: 22-Sep-2009 07:25:30 Limit Group: SMS - 8270LL SVOA Calibration

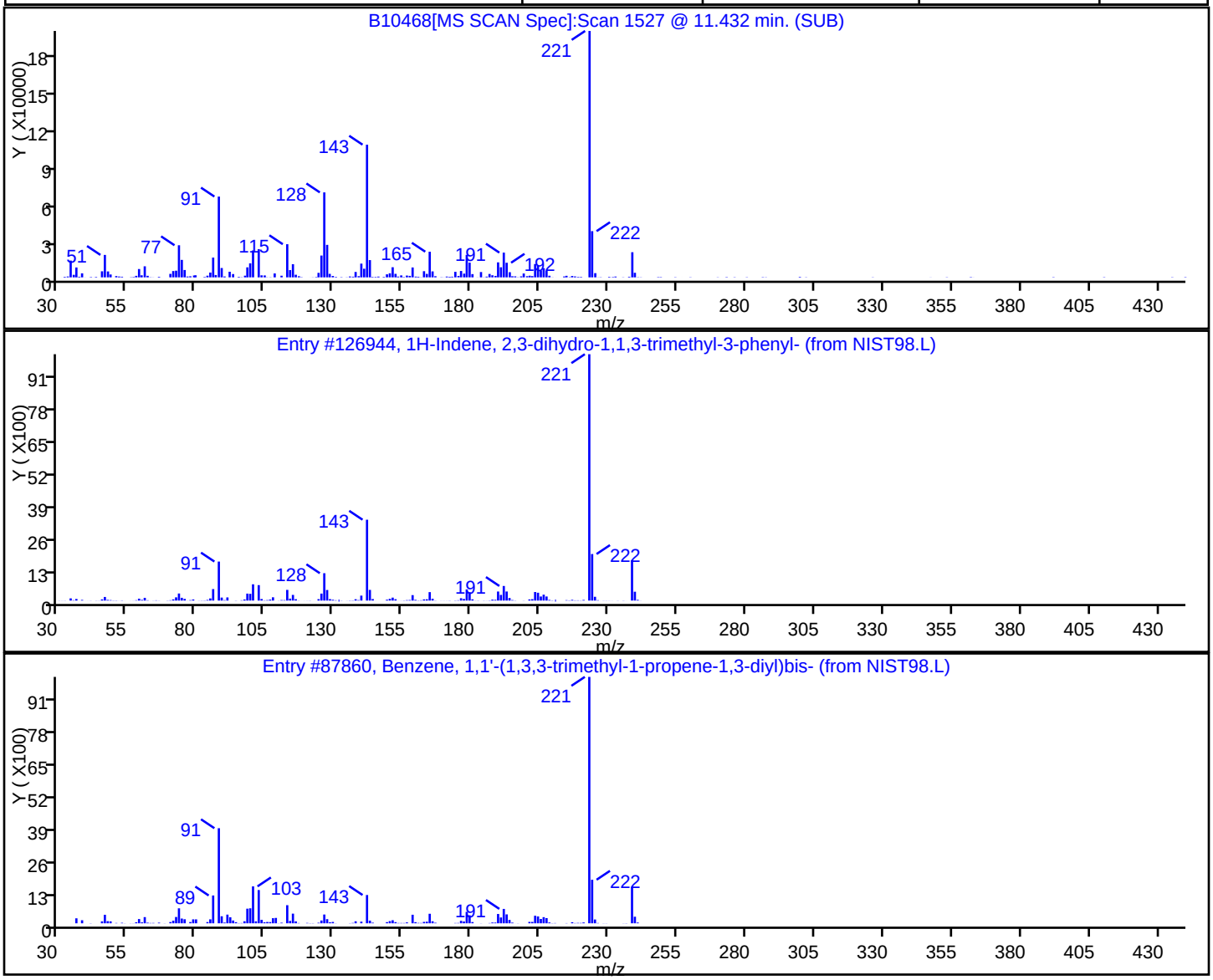
Lims Batch ID: 49266 Lims Sample ID: 31

Client ID: OC-SB-463-6.0/8.0-XXX Instrument: Inst. B

Sample Info: 360-24417-a-3-c

Sample Amount: 1.00 ul Operator: MZ

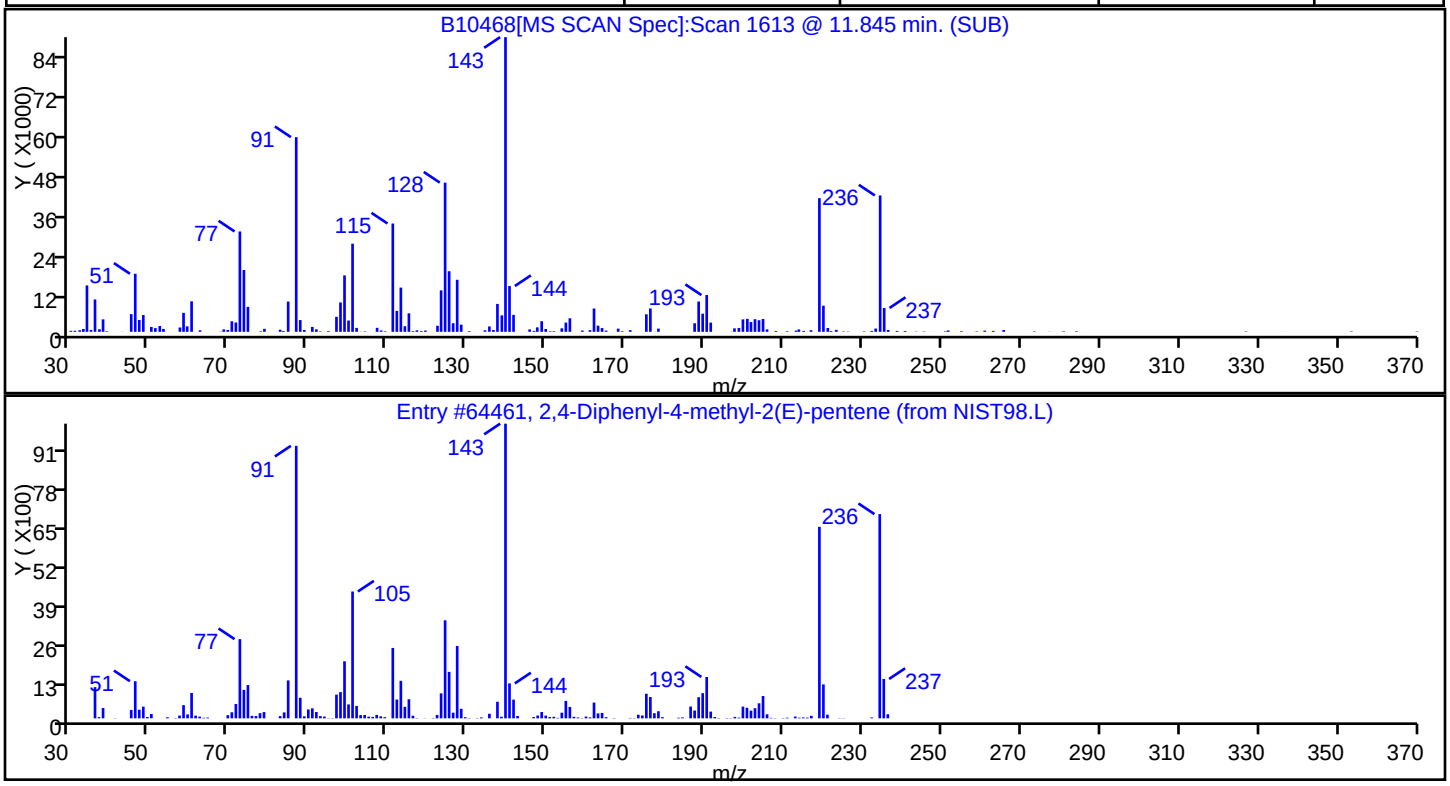
Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126944	95
Benzene, 1,1'-(1,3,3-trimethyl-1-propene	6258-73-7	NIST98.L	87860	55



Report Date: 23-Sep-2009 13:06:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10468.D		
Inj Date:	22-Sep-2009 07:25:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	31
Client ID:	OC-SB-463-6.0/8.0-XXX	Instrument:	Inst. B
Sample Info:	360-24417-a-3-c		
Sample Amount:	1.00 ul	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
2,4-Diphenyl-4-methyl-2(E)-pentene	22768-22-5	NIST98.L	64461	95



Report Date: 23-Sep-2009 13:06:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10468.D

Inj Date: 22-Sep-2009 07:25:30 Limit Group: SMS - 8270LL SVOA Calibration

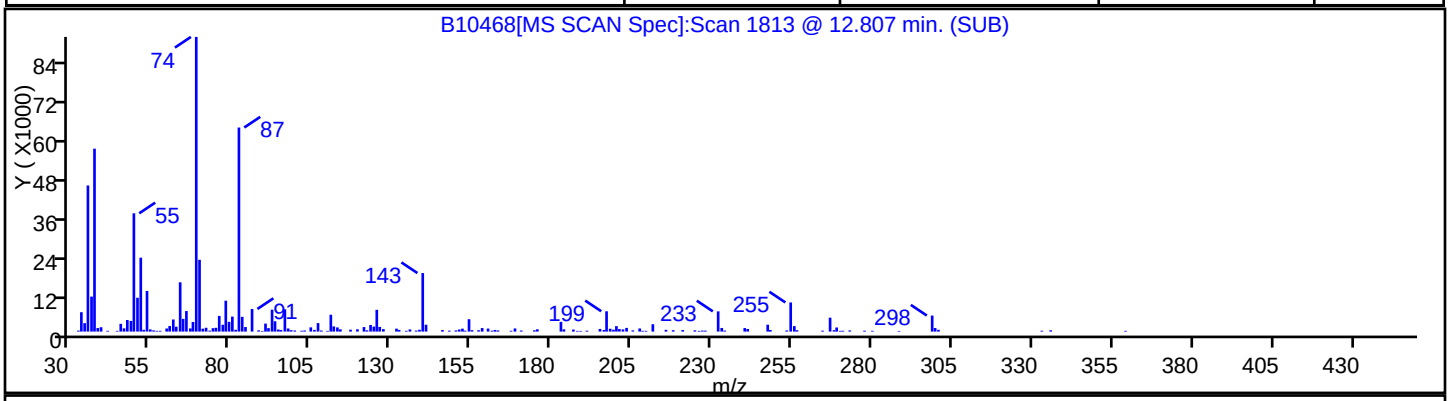
Lims Batch ID: 49266 Lims Sample ID: 31

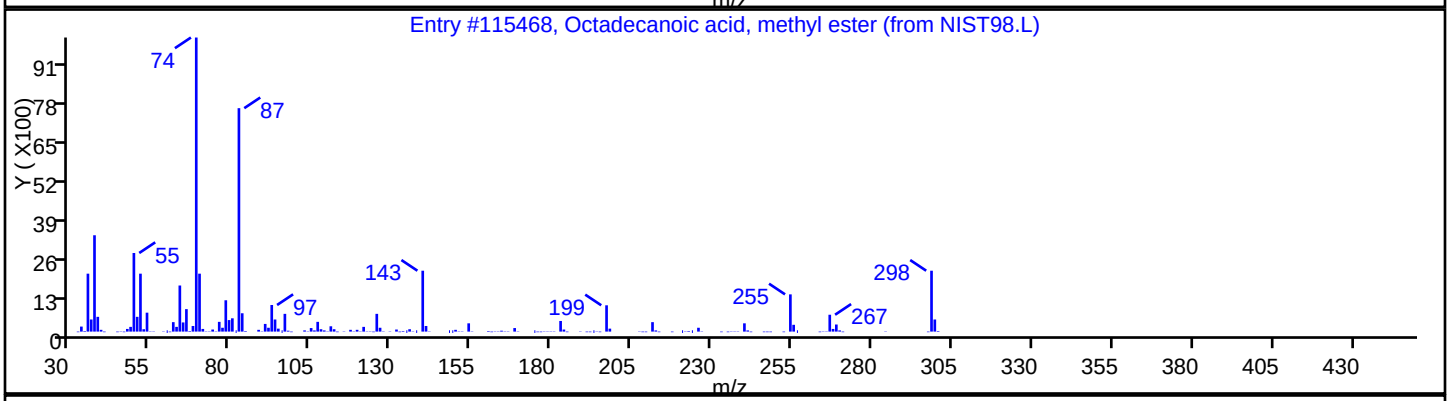
Client ID: OC-SB-463-6.0/8.0-XXX Instrument: Inst. B

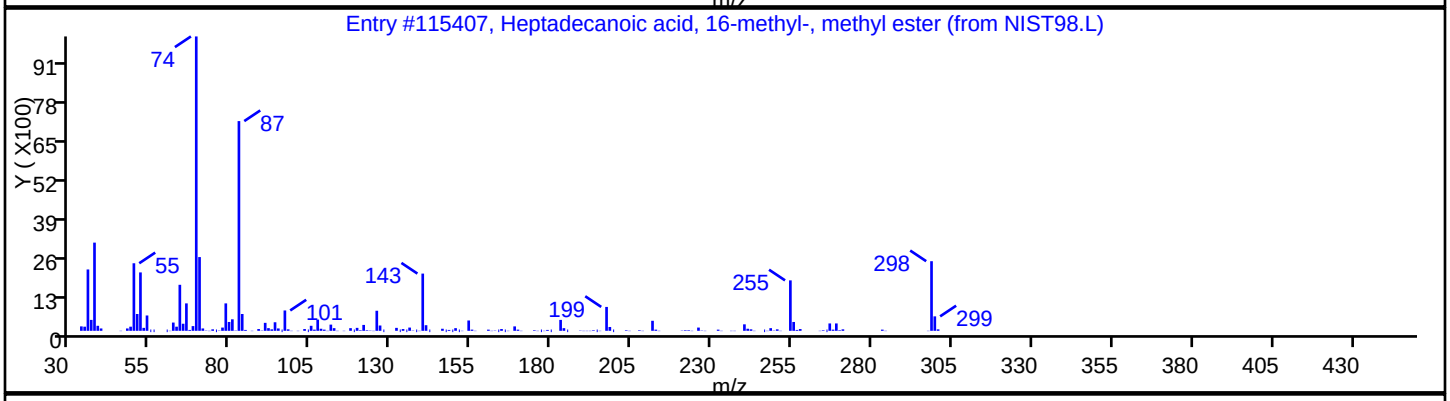
Sample Info: 360-24417-a-3-c

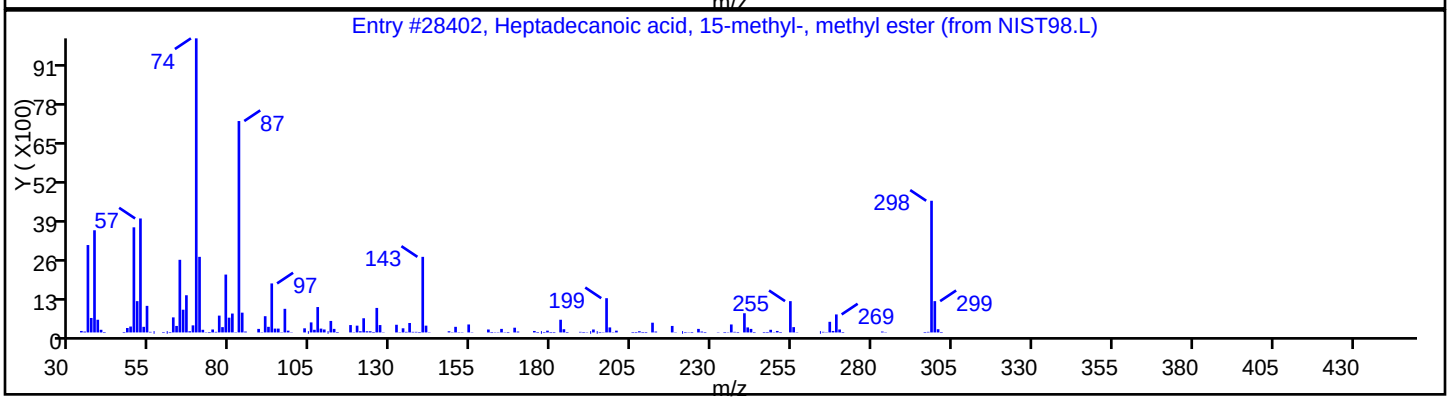
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, methyl ester	112-61-8	NIST98.L	115468	98
Heptadecanoic acid, 16-methyl-, methyl e	5129-61-3	NIST98.L	115407	98
Heptadecanoic acid, 15-methyl-, methyl e	54833-55-5	NIST98.L	28402	93









Report Date: 23-Sep-2009 13:06:02 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10468.D

Inj Date: 22-Sep-2009 07:25:30 Limit Group: SMS - 8270LL SVOA Calibration

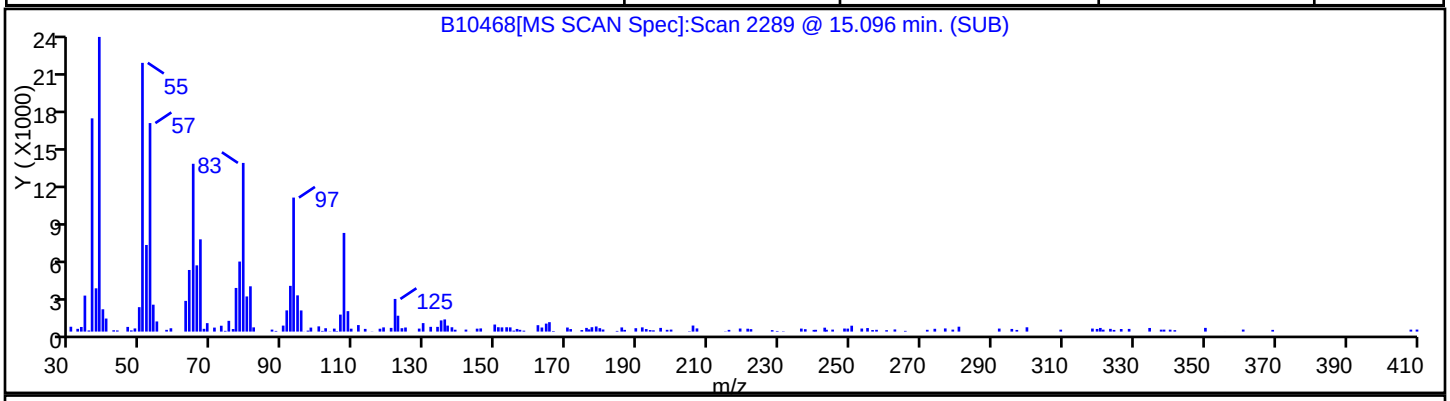
Lims Batch ID: 49266 Lims Sample ID: 31

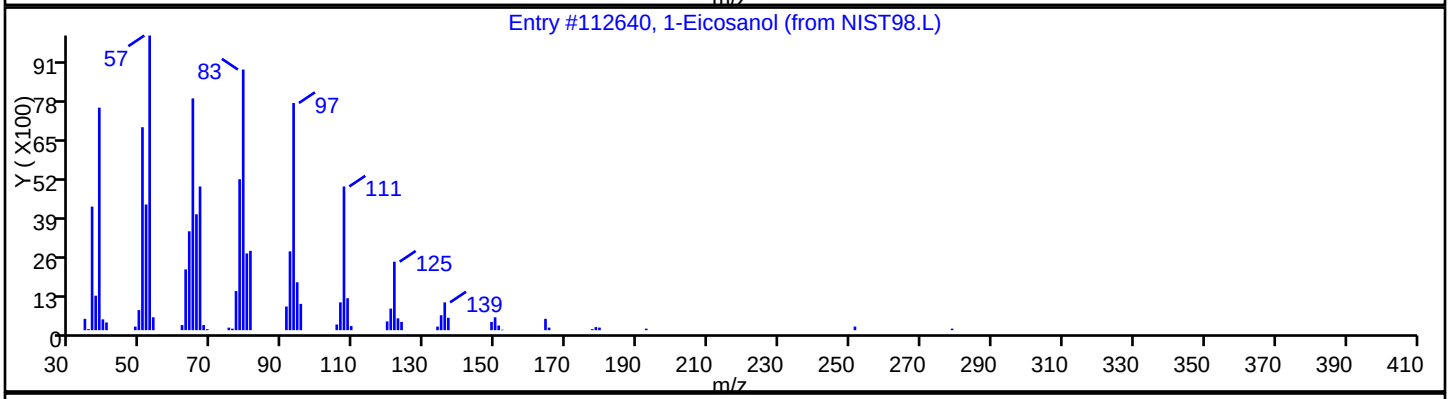
Client ID: OC-SB-463-6.0/8.0-XXX Instrument: Inst. B

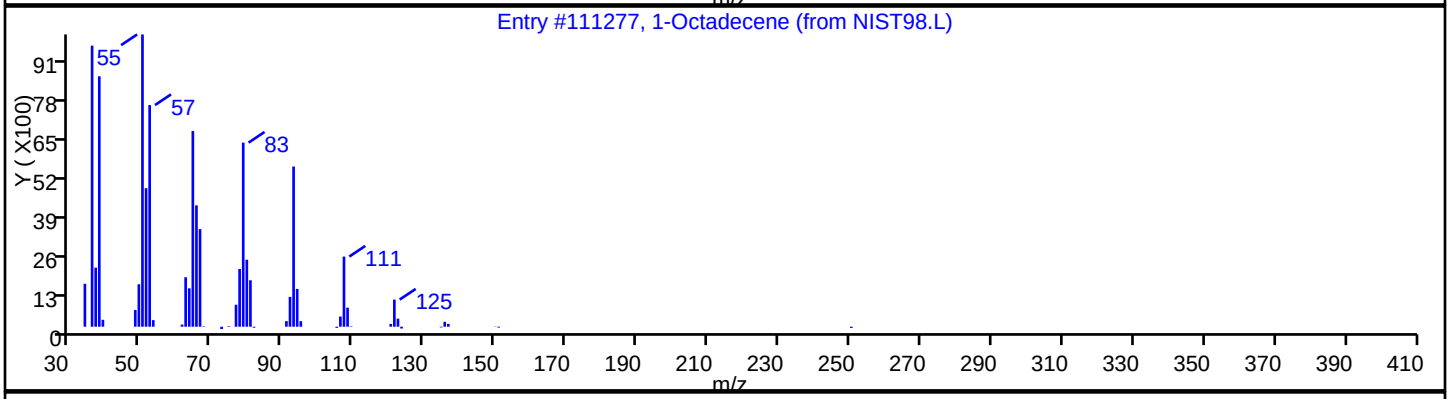
Sample Info: 360-24417-a-3-c

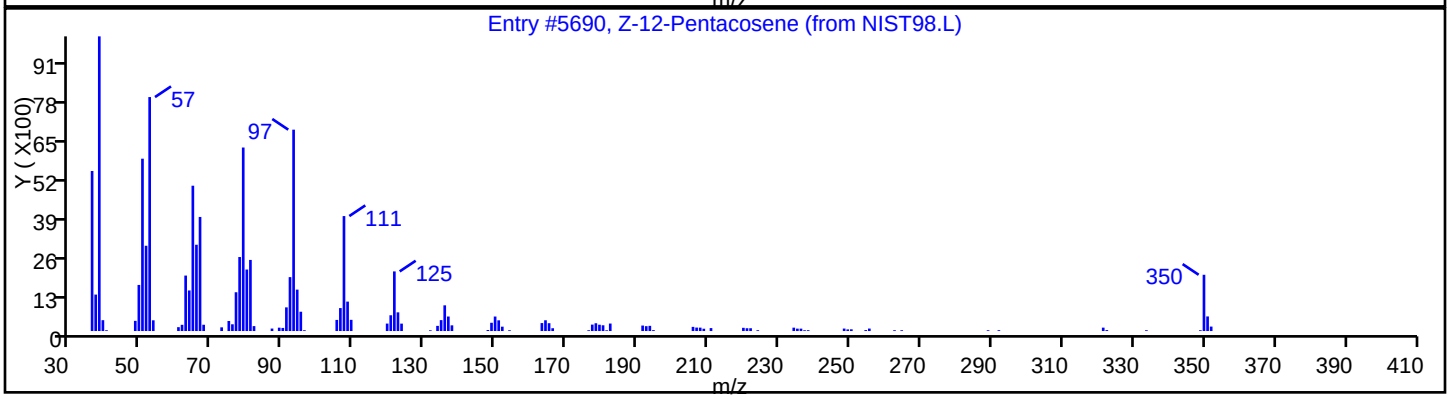
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Eicosanol	629-96-9	NIST98.L	112640	91
1-Octadecene	112-88-9	NIST98.L	111277	91
Z-12-Pentacosene	1000131-9-4	NIST98.L	5690	87









Report Date: 23-Sep-2009 13:06:02 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10468.D

Inj Date: 22-Sep-2009 07:25:30 Limit Group: SMS - 8270LL SVOA Calibration

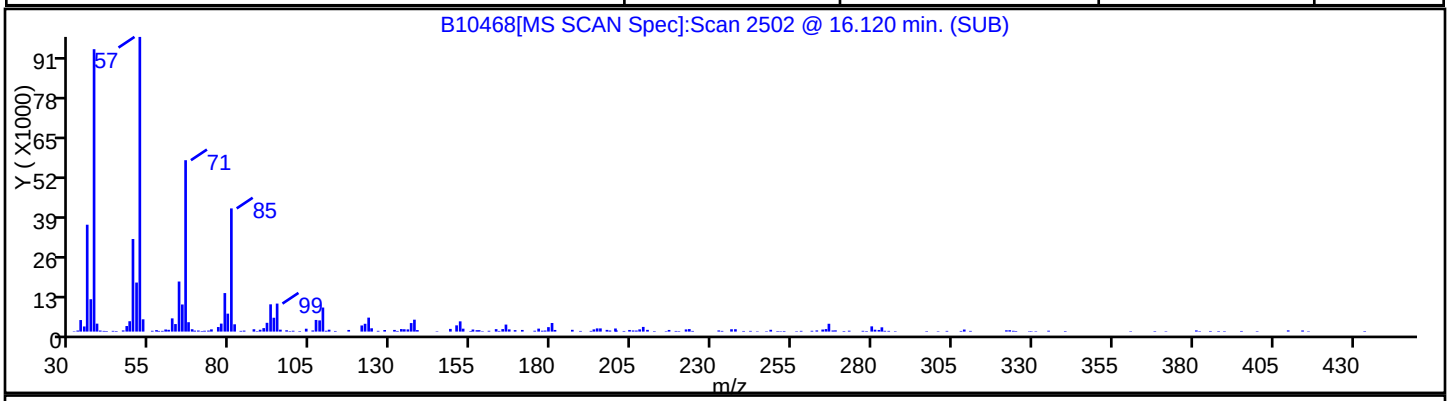
Lims Batch ID: 49266 Lims Sample ID: 31

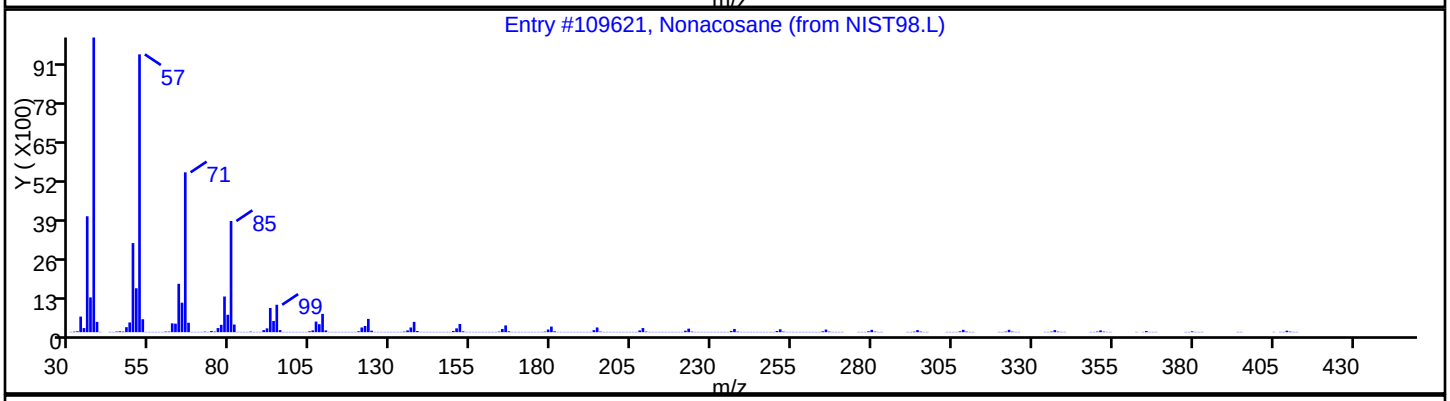
Client ID: OC-SB-463-6.0/8.0-XXX Instrument: Inst. B

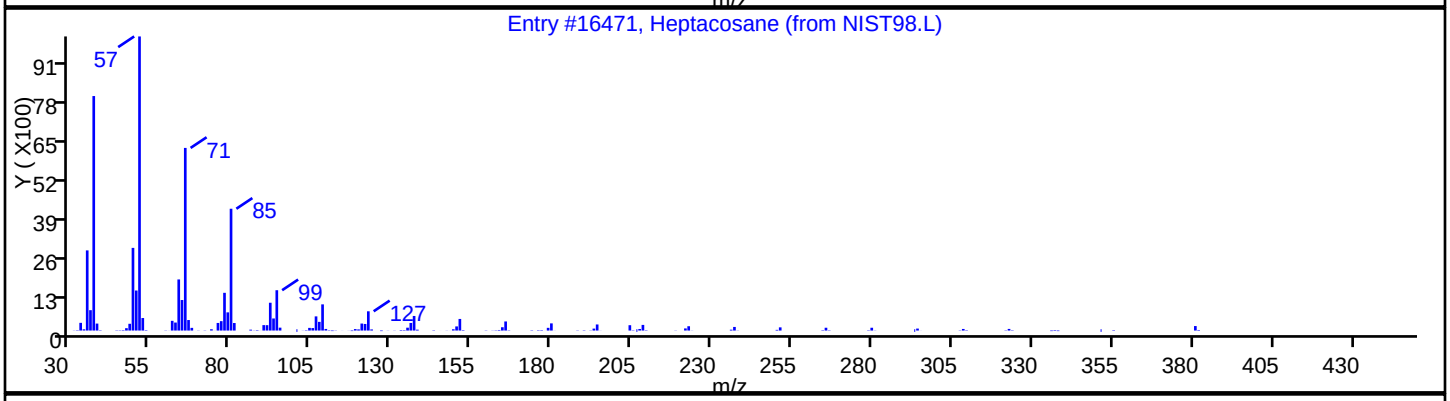
Sample Info: 360-24417-a-3-c

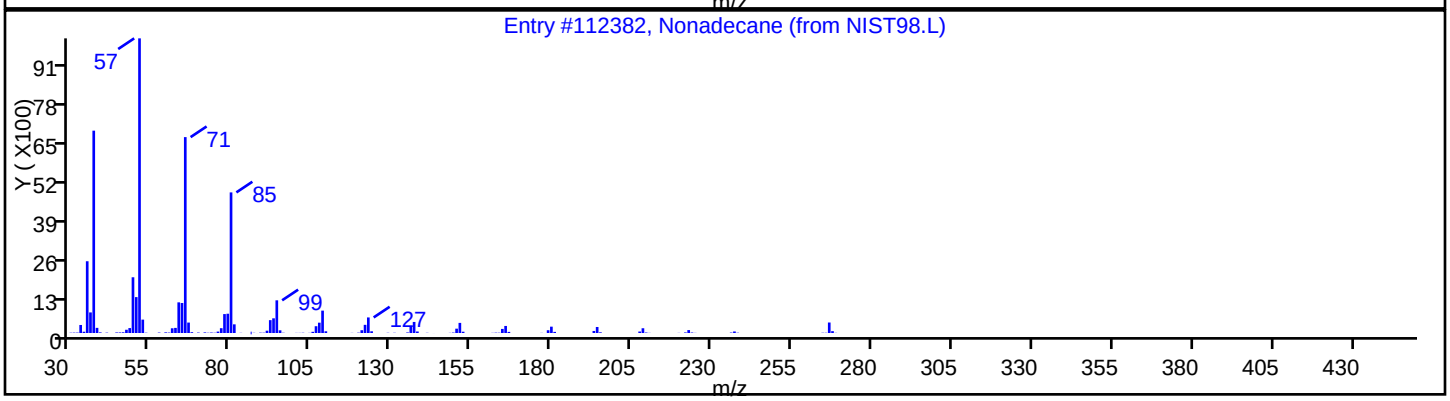
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Nonacosane	630-3-5	NIST98.L	109621	98
Heptacosane	593-49-7	NIST98.L	16471	97
Nonadecane	629-92-5	NIST98.L	112382	96









Report Date: 23-Sep-2009 13:06:02 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10468.D

Inj Date: 22-Sep-2009 07:25:30 Limit Group: SMS - 8270LL SVOA Calibration

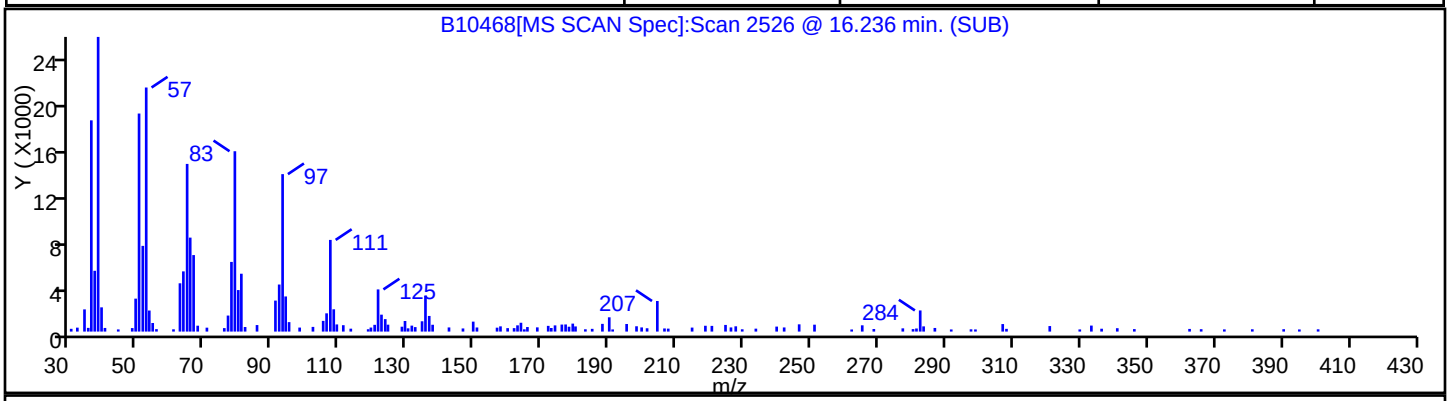
Lims Batch ID: 49266 Lims Sample ID: 31

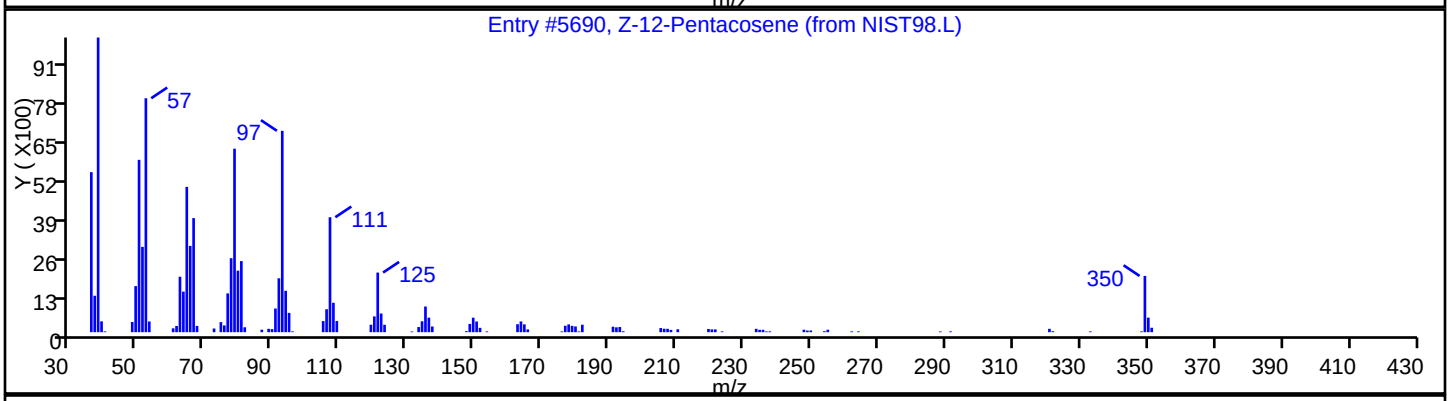
Client ID: OC-SB-463-6.0/8.0-XXX Instrument: Inst. B

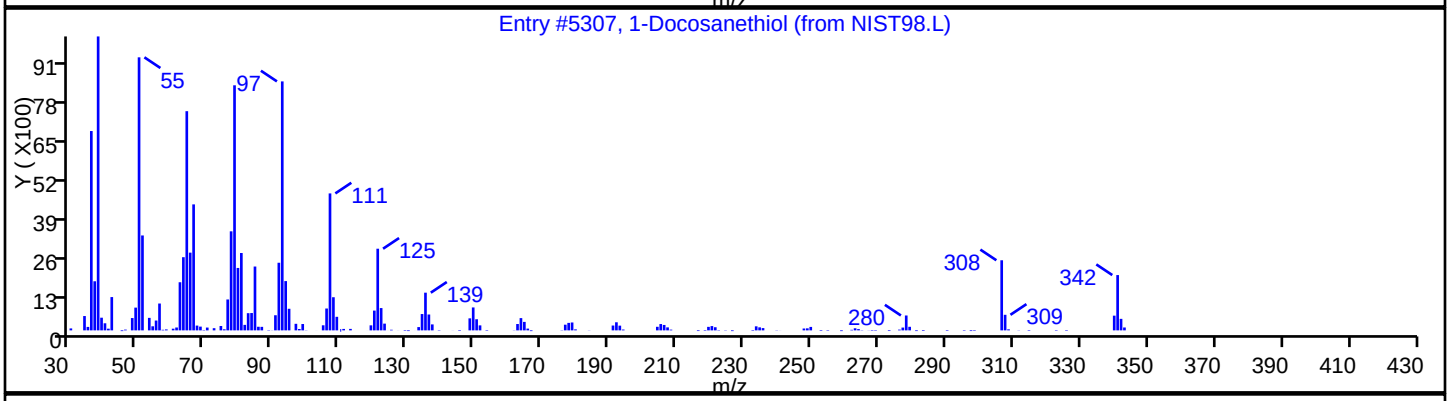
Sample Info: 360-24417-a-3-c

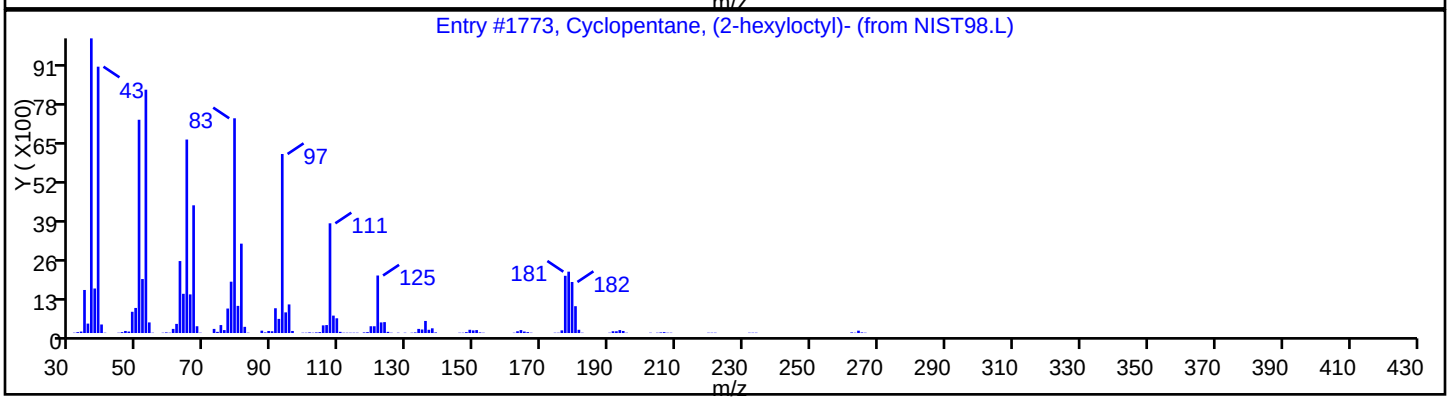
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Z-12-Pentacosene	1000131-9-4	NIST98.L	5690	95
1-Docosanethiol	7773-83-3	NIST98.L	5307	90
Cyclopentane, (2-hexyloctyl)-	55044-77-4	NIST98.L	1773	89









Report Date: 23-Sep-2009 13:06:02 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10468.D

Inj Date: 22-Sep-2009 07:25:30 Limit Group: SMS - 8270LL SVOA Calibration

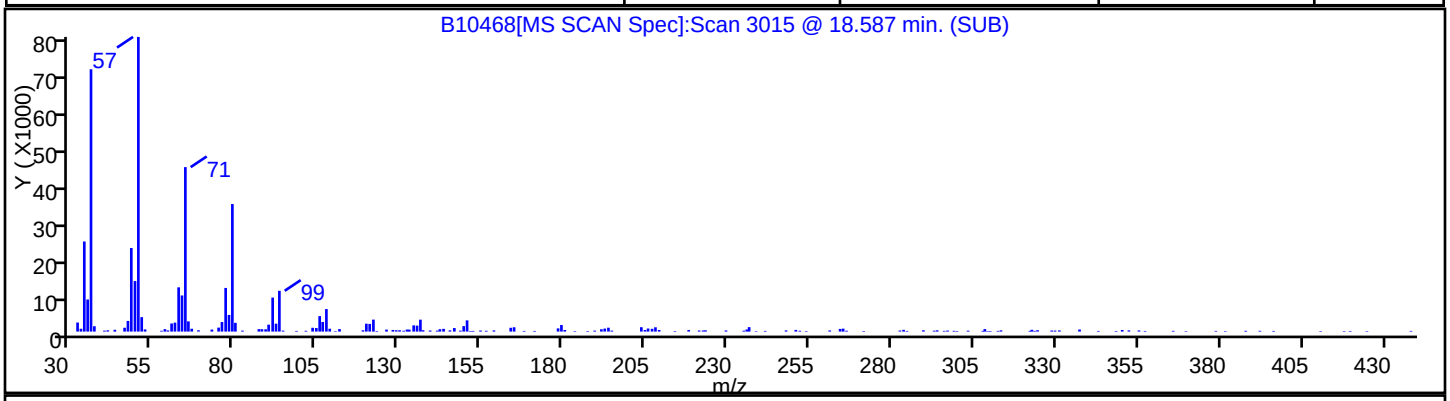
Lims Batch ID: 49266 Lims Sample ID: 31

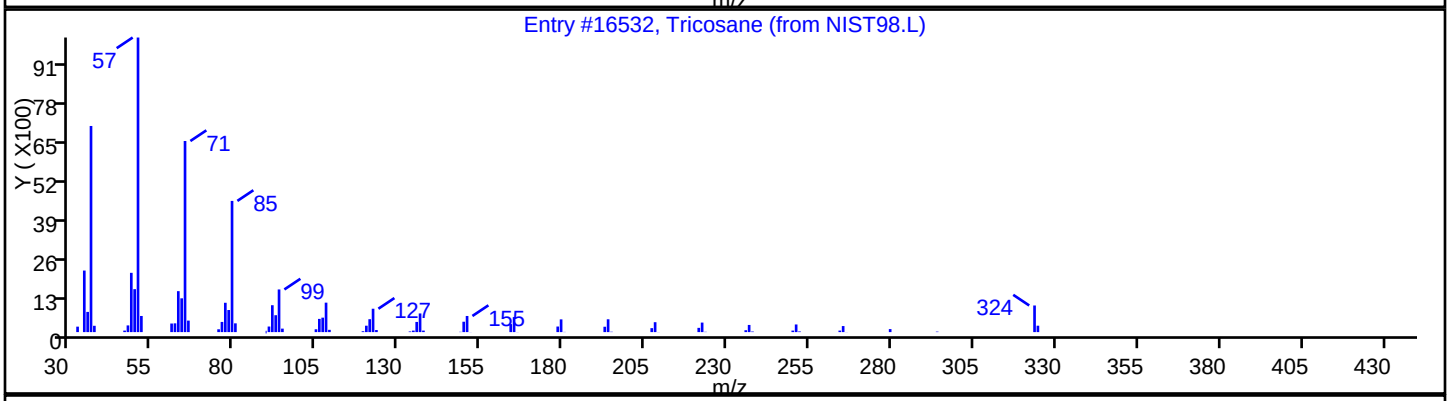
Client ID: OC-SB-463-6.0/8.0-XXX Instrument: Inst. B

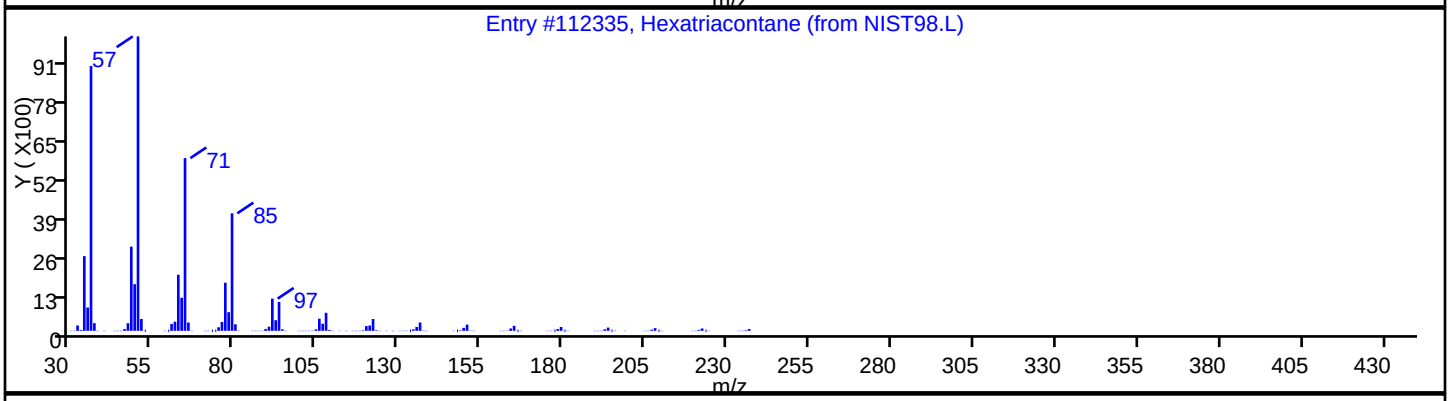
Sample Info: 360-24417-a-3-c

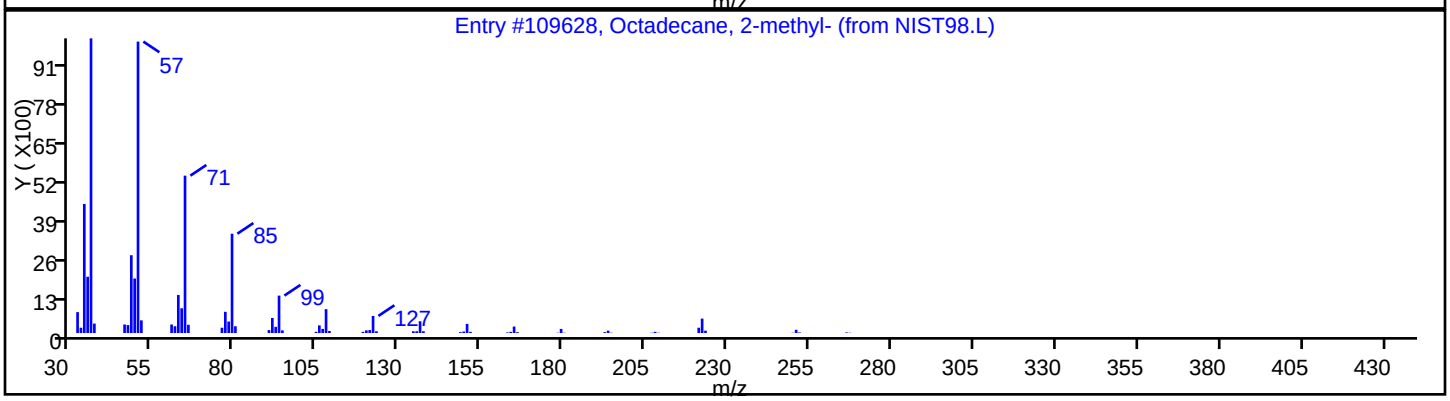
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane	638-67-5	NIST98.L	16532	94
Hexatriacontane	630-6-8	NIST98.L	112335	94
Octadecane, 2-methyl-	1560-88-9	NIST98.L	109628	93









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-0.0/1.0-XXX | Lab Sample ID: 360-24417-4

Matrix: Solid | Lab File ID: J02927.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 15:50

Extract. Method: 3550B | Date Extracted: 09/10/2009 12:11

Sample wt/vol: 100.65(g) | Date Analyzed: 09/12/2009 16:48

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

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

% Moisture: 5.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	ND		5.3	1.2

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	75	30-130	
321-60-8	2-Fluorobiphenyl	59	30-130	
367-12-4	2-Fluorophenol	58	30-130	
4165-60-0	Nitrobenzene-d5	59	30-130	
4165-62-2	Phenol-d5	63	30-130	
1718-51-0	Terphenyl-d14	75	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02927.D		
Lims ID:	360-24417-A-4-C	Client ID:	OC-SB-464-0.0/1.0-XXX
Inject. Date:	12-Sep-2009 16:48:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24417-4		
Misc. Info.:	360-0001151-013		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	48876	Lims Sample ID:	13
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\8270NDMA.m		
Last Update:	12-Sep-2009 13:42:52	Calib Date:	10-Sep-2009 20:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02891.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	13-Sep-2009 07:31:25

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.007	5.009	-0.002	183529	2.00	
* 2 Naphthalene-d8	136	6.229	6.230	-0.001	451709	2.00	
* 3 Acenaphthene-d10	164	7.955	7.957	-0.002	230574	2.00	
* 4 Phenanthrene-d10	188	9.422	9.423	-0.001	373574	2.00	
* 5 Chrysene-d12	240	12.057	12.054	0.003	232890	2.00	
* 6 Perylene-d12	264	13.500	13.491	0.009	147138	2.00	
$ 7 2-Fluorophenol	112	3.771	3.773	-0.002	343236	5.76	
$ 8 Phenol-d5	99	4.661	4.663	-0.002	459675	6.33	
$ 9 Nitrobenzene-d5	82	5.536	5.538	-0.002	201675	2.96	
$ 10 2-Fluorobiphenyl	172	7.291	7.293	-0.002	446179	2.96	
$ 11 2,4,6-Tribromophenol	330	8.734	8.736	-0.002	105675	7.46	
$ 12 Terphenyl-d14	244	11.004	11.001	0.003	385562	3.73	
24 Benzyl alcohol	79	5.392	5.393	-0.001	453		
26 2-Methylphenol	108	5.430	5.393	0.037	1031	0.0178	
17 Benzaldehyde	94	5.541	5.557	-0.016	299		
30 Acetophenone	105	5.724	5.720	0.004	117		
20 Bis(2-chloroethyl)ether	93	5.830	5.836	-0.006	88		
27 2,2'-oxybis[1-chloropropane]	45	6.075	6.076	-0.001	172		
32 Nitrobenzene	77	6.185	6.177	0.008	73		
35 2,4-Dimethylphenol	107	6.171	6.177	-0.006	162		
29 N-Nitrosodi-n-propylamine	70	6.277	6.264	0.013	1906		
18 Phenol	94	6.262	6.264	-0.002	192		
36 Benzoic acid	105	6.258	6.264	-0.006	151		
37 Bis(2-chloroethoxy)methane	93	6.258	6.264	-0.006	603		
28 3 & 4 Methylphenol	108	6.373	6.317	0.056	158		
19 Aniline	93	6.368	6.365	0.003	89		
39 1,2,4-Trichlorobenzene	180	6.392	6.374	0.018	651		
41 Naphthalene	128	6.623	6.648	-0.025	83		
42 4-Chloroaniline	127	6.695	6.701	-0.006	36		
25 1,2-Dichlorobenzene	146	6.863	6.788	0.075	95		
45 4-Chloro-3-methylphenol	107	6.998	6.990	0.008	92		

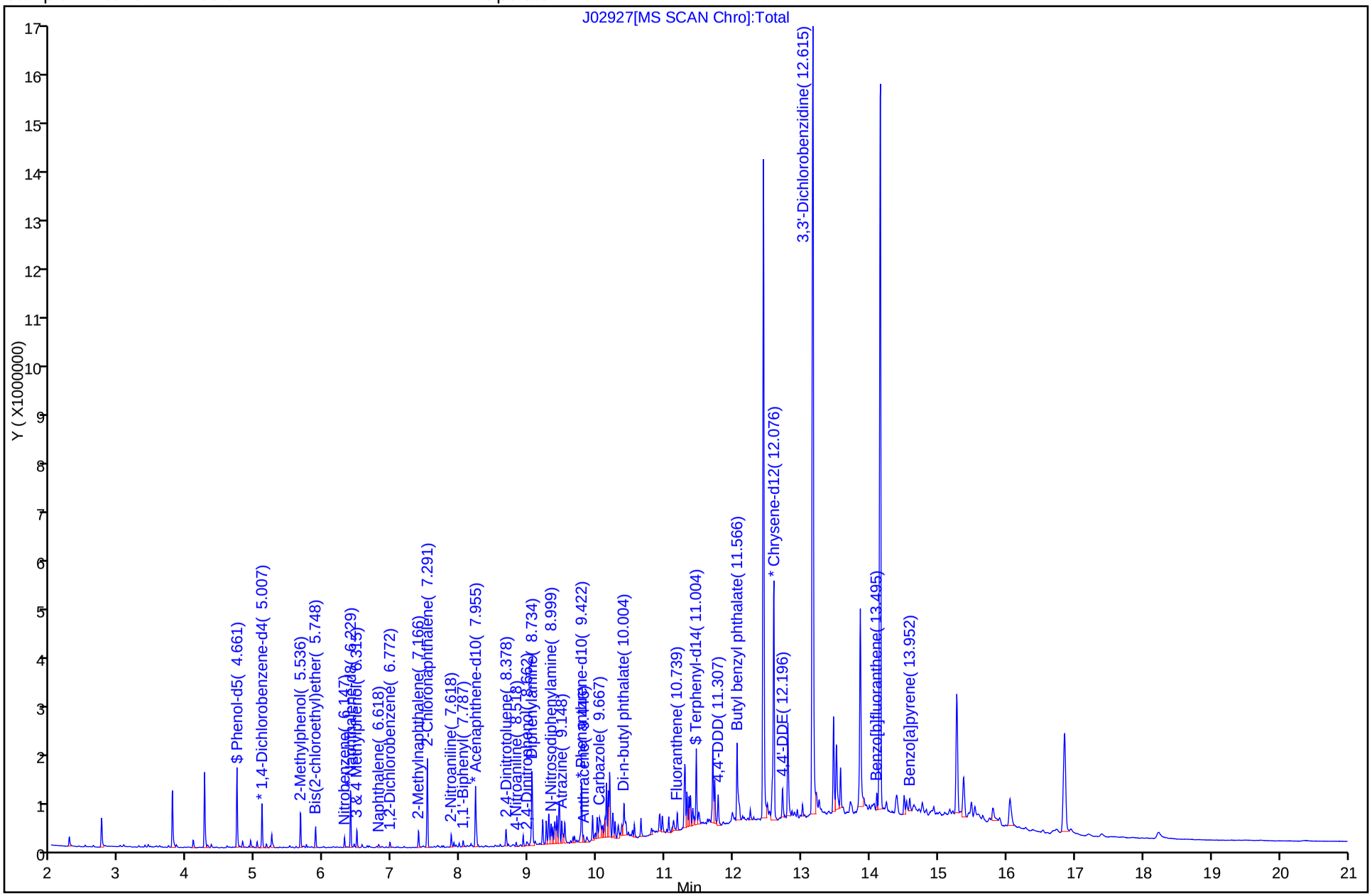
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
46 2-Methylnaphthalene	142	7.157	7.221	-0.064	40		
44 Caprolactam	55	7.282	7.298	-0.016	12999	12.1	
49 1,2,4,5-Tetrachlorobenzene	216	7.373	7.375	-0.002	429	10.6	
53 2-Chloronaphthalene	162	7.368	7.432	-0.064	629	0.0109	
55 2-Nitroaniline	65	7.513	7.514	-0.001	563	0.0272	
47 1-Methylnaphthalene	142	7.618	7.610	0.008	1971	122.2	5
56 Dimethyl phthalate	163	7.691	7.692	-0.001	3495	0.0244	
57 2,6-Dinitrotoluene	165	7.729	7.755	-0.026	5485	0.2097	
58 Acenaphthylene	152	7.816	7.817	-0.001	2140	0.0113	
52 1,1'-Biphenyl	154	7.811	7.817	-0.006	72	0.0486	
33 Isophorone	82	7.893	7.908	-0.015	619	0.0467	
59 3-Nitroaniline	138	7.926	7.918	0.008	53	0.0476	
34 2-Nitrophenol	139	7.955	7.961	-0.006	264	0.1319	
62 4-Nitrophenol	109	8.090	8.086	0.004	190	0.3019	
63 2,4-Dinitrotoluene	165	8.215	8.154	0.061	37	0.1246	
66 Diethyl phthalate	149	8.388	8.389	-0.001	29349	0.2010	
13 Benzophenone	105	8.527	8.519	0.008	107	0.1542	
68 4-Nitroaniline	138	8.513	8.519	-0.006	615	0.1001	
74 Azobenzene	77	8.667	8.654	0.013	6615	0.0306	
60 2,4-Dinitrophenol	184	8.672	8.668	0.004	239	0.3918	
71 Diphenylamine	169	8.734	8.736	-0.002	4941	7.32	
72 N-Nitrosodiphenylamine	169	8.984	8.981	0.003	174	0.0363	
77 Atrazine	200	9.148	9.164	-0.016	82	0.004725	7
80 Phenanthrene	178	9.446	9.447	-0.001	21340		
81 Anthracene	178	9.446	9.447	-0.001	21340		
83 Carbazole	167	9.657	9.659	-0.002	4869		
84 Di-n-butyl phthalate	149	10.004	10.005	-0.001	311817		
85 Pyrene	202	10.624	10.625	-0.001	121736		
87 Fluoranthene	202	10.749	10.746	0.003	218		
88 4,4'-DDD	235	11.307	11.286	0.021	350		
89 Butyl benzyl phthalate	149	11.490	11.486	0.004	12073		
93 Benzo[a]anthracene	228	12.043	12.044	-0.001	70183		
94 Chrysene	228	12.043	12.044	-0.001	65186		
92 Bis(2-ethylhexyl) phthalate	149	12.076	12.073	0.003	1400937		
96 4,4'-DDE	246	12.158	12.176	-0.018	1387		
95 Di-n-octyl phthalate	149	12.620	12.607	0.013	385		
91 3,3'-Dichlorobenzidine	252	12.692	12.678	0.014	947		
97 Benzo[b]fluoranthene	252	13.447	13.439	0.008	36379		
98 Benzo[k]fluoranthene	252	13.447	13.439	0.008	36379		
99 Benzo[a]pyrene	252	14.274	14.266	0.008	306		

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount
7 - Failed Limit of Detection

Report Date: 13-Sep-2009 07:31:26 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02927.D		
Inj Date:	12-Sep-2009 16:48:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48876	Lims Sample ID:	13
Client ID:	OC-SB-464-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	24417-4		
Sample Amount:	1.00 uL	Operator:	



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-0.0/1.0-XXX | Lab Sample ID: 360-24417-4

Matrix: Solid | Lab File ID: B10469.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 15:50

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.48(g) | Date Analyzed: 09/22/2009 07:56

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

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

% Moisture: 5.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		35	10
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		35	10
120-82-1	1,2,4-Trichlorobenzene	ND		35	10
95-50-1	1,2-Dichlorobenzene	ND		35	10
541-73-1	1,3-Dichlorobenzene	ND		35	10
106-46-7	1,4-Dichlorobenzene	ND		35	10
90-12-0	1-Methylnaphthalene	ND		35	10
108-60-1	2,2'-oxybis[1-chloropropane]	ND		35	10
58-90-2	2,3,4,6-Tetrachlorophenol	ND		35	10
95-95-4	2,4,5-Trichlorophenol	ND		35	10
88-06-2	2,4,6-Trichlorophenol	ND		35	10
120-83-2	2,4-Dichlorophenol	ND		35	10
105-67-9	2,4-Dimethylphenol	ND		35	14
51-28-5	2,4-Dinitrophenol	ND		35	10
121-14-2	2,4-Dinitrotoluene	ND		35	10
606-20-2	2,6-Dinitrotoluene	ND		35	10
91-58-7	2-Chloronaphthalene	ND		35	10
95-57-8	2-Chlorophenol	ND		35	10
91-57-6	2-Methylnaphthalene	ND		35	10
95-48-7	2-Methylphenol	ND		35	21
88-74-4	2-Nitroaniline	ND		170	10
88-75-5	2-Nitrophenol	ND		35	10
15831-10-4	3 & 4 Methylphenol	ND		35	10
91-94-1	3,3'-Dichlorobenzidine	ND		70	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		35	10
59-50-7	4-Chloro-3-methylphenol	ND		70	10
106-47-8	4-Chloroaniline	ND		70	10
7005-72-3	4-Chlorophenyl phenyl ether	ND		35	10
100-01-6	4-Nitroaniline	ND		170	10
100-02-7	4-Nitrophenol	ND		170	10
83-32-9	Acenaphthene	ND		35	10
208-96-8	Acenaphthylene	ND		35	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-0.0/1.0-XXX | Lab Sample ID: 360-24417-4

Matrix: Solid | Lab File ID: B10469.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 15:50

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.48(g) | Date Analyzed: 09/22/2009 07:56

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

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

% Moisture: 5.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		35	10
62-53-3	Aniline	ND		35	10
120-12-7	Anthracene	ND		35	10
1912-24-9	Atrazine	ND		35	10
103-33-3	Azobenzene	ND		35	10
100-52-7	Benzaldehyde	ND		35	10
56-55-3	Benzo[a]anthracene	ND		35	10
50-32-8	Benzo[a]pyrene	ND		35	10
205-99-2	Benzo[b]fluoranthene	ND		35	10
191-24-2	Benzo[g,h,i]perylene	ND		35	10
207-08-9	Benzo[k]fluoranthene	ND		35	10
65-85-0	Benzoic acid	ND		170	16
119-61-9	Benzophenone	ND		35	10
100-51-6	Benzyl alcohol	ND		70	30
111-91-1	Bis(2-chloroethoxy)methane	ND		35	10
111-44-4	Bis(2-chloroethyl)ether	ND		35	10
117-81-7	Bis(2-ethylhexyl) phthalate	87		35	10
85-68-7	Butyl benzyl phthalate	ND		35	10
105-60-2	Caprolactam	ND		35	10
86-74-8	Carbazole	ND		35	10
218-01-9	Chrysene	ND		35	10
53-70-3	Dibenz(a,h)anthracene	ND		35	10
132-64-9	Dibenzofuran	ND		35	10
84-66-2	Diethyl phthalate	ND		35	10
131-11-3	Dimethyl phthalate	ND		35	10
84-74-2	Di-n-butyl phthalate	ND		35	31
117-84-0	Di-n-octyl phthalate	ND		35	18
101-84-8	Diphenyl oxide	ND		35	10
122-39-4	Diphenylamine	ND		35	10
206-44-0	Fluoranthene	ND		35	10
86-73-7	Fluorene	ND		35	10
118-74-1	Hexachlorobenzene	ND		35	10
87-68-3	Hexachlorobutadiene	ND		35	10
77-47-4	Hexachlorocyclopentadiene	ND		70	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-0.0/1.0-XXX | Lab Sample ID: 360-24417-4

Matrix: Solid | Lab File ID: B10469.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 15:50

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.48(g) | Date Analyzed: 09/22/2009 07:56

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

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

% Moisture: 5.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	ND		35	10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		35	10
78-59-1	Isophorone	ND		35	10
91-20-3	Naphthalene	ND		84	10
98-95-3	Nitrobenzene	ND		35	10
62-75-9	N-Nitrosodimethylamine	ND		35	12
621-64-7	N-Nitrosodi-n-propylamine	ND		35	10
86-30-6	N-Nitrosodiphenylamine	ND		35	10
87-86-5	Pentachlorophenol	ND		35	10
85-01-8	Phenanthrene	ND		42	10
108-95-2	Phenol	ND		35	10
129-00-0	Pyrene	ND		35	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	61	30-130	
367-12-4	2-Fluorophenol	73	30-130	
321-60-8	2-Fluorobiphenyl	60	30-130	
4165-60-0	Nitrobenzene-d5	67	30-130	
4165-62-2	Phenol-d5	71	30-130	
1718-51-0	Terphenyl-d14	59	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-0.0/1.0-XXX | Lab Sample ID: 360-24417-4

Matrix: Solid | Lab File ID: B10469.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 15:50

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.48(g) | Date Analyzed: 09/22/2009 07:56

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

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

% Moisture: 5.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

Number TICs Found: 5 | TIC Result Total: 1274

CAS NO.	COMPOUND NAME	RT	RESULT	Q
98-55-5	Alpha-Terpineol	8.94	29	J
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.43	35	T J N
638-67-5	Tricosane	13.65	40	T J N
3452-7-1	1-Eicosene	15.04	470	T J N
1599-67-3	1-Docosene	16.19	700	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10469.D		
Lims ID:	360-24417-A-4-D	Client ID:	OC-SB-464-0.0/1.0-XXX
Inject. Date:	22-Sep-2009 07:56:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-4-d		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	32
Lims Batch ID:	49266	Lims Sample ID:	32
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 13:09:00	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:09:00

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.899	7.900	-0.001	420662	2.00	
* 2 Naphthalene-d8	136	9.030	9.030	0.000	1032461	2.00	
* 3 Acenaphthene-d10	164	10.535	10.535	0.000	530662	2.00	
* 4 Phenanthrene-d10	188	11.804	11.800	0.004	903769	2.00	
* 5 Chrysene-d12	240	15.401	15.397	0.004	575453	2.00	
* 6 Perylene-d12	264	17.858	17.840	0.018	486612	2.00	
$ 7 2-Fluorophenol	112	6.668	6.630	0.038	866759	7.32	
$ 8 Phenol-d5	99	7.534	7.520	0.014	966086	7.09	
$ 9 Nitrobenzene-d5	82	8.395	8.390	0.005	443303	3.35	
$ 10 2-Fluorobiphenyl	172	9.929	9.924	0.005	1045493	2.98	
$ 11 2,4,6-Tribromophenol	330	11.203	11.204	-0.001	201533	6.12	
$ 12 Terphenyl-d14	244	13.430	13.425	0.005	810169	2.96	
30 Acetophenone	105	8.250	8.246	0.004	16894	0.1038	
54 Phenyl ether	170	10.097	10.102	-0.005	9511	0.0570	
66 Diethyl phthalate	149	10.823	10.824	-0.001	5318	0.0159	
72 N-Nitrosodiphenylamine	169	11.059	11.059	0.000	31419	0.1067	
71 Diphenylamine	169	11.059	11.059	0.000	31419	0.1067	
80 Phenanthrene	178	11.823	11.824	-0.001	20204	0.0432	
81 Anthracene	178	11.872	11.867	0.005	7427	0.0170	
84 Di-n-butyl phthalate	149	12.208	12.204	0.004	87385	0.1584	
87 Fluoranthene	202	13.006	13.002	0.004	50282	0.1243	
85 Pyrene	202	13.305	13.305	0.000	38913	0.0833	
89 Butyl benzyl phthalate	149	14.146	14.142	0.004	7526	0.0388	
92 Bis(2-ethylhexyl) phthalate	149	15.286	15.281	0.005	682340	2.48	
94 Chrysene	228	15.449	15.445	0.004	19351	0.0776	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10469.D		
Lims ID:	360-24417-A-4-D	Client ID:	OC-SB-464-0.0/1.0-XXX
Inject. Date:	22-Sep-2009 07:56:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-4-d		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	32
Lims Batch ID:	49266	Lims Sample ID:	32
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 13:09:00	Calib Date:	21-Sep-2009 19:31:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:09:00

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

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
1,2-Diphenylhydrazine	11.112	26883	0.0500	
Pyridine	4.961	979	0.0104	
Pentachloronitrobenzene	11.641	189	0.0874	
Alpha-Terpineol	8.943	90309	0.8379	
Benzidine	13.107	574	0.1967	

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						
11.434	1150024	1.00	4	86	126937	
638-67-5 Tricosane						
13.651	908444	1.16	5	96	109662	
3452-7-1 1-Eicosene						
15.041	10500119	13.4	5	96	109609	
1599-67-3 1-Docosene						
16.185	15683323	20.0	5	99	111438	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL

Report Date: 23-Sep-2009 13:09:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10469.D

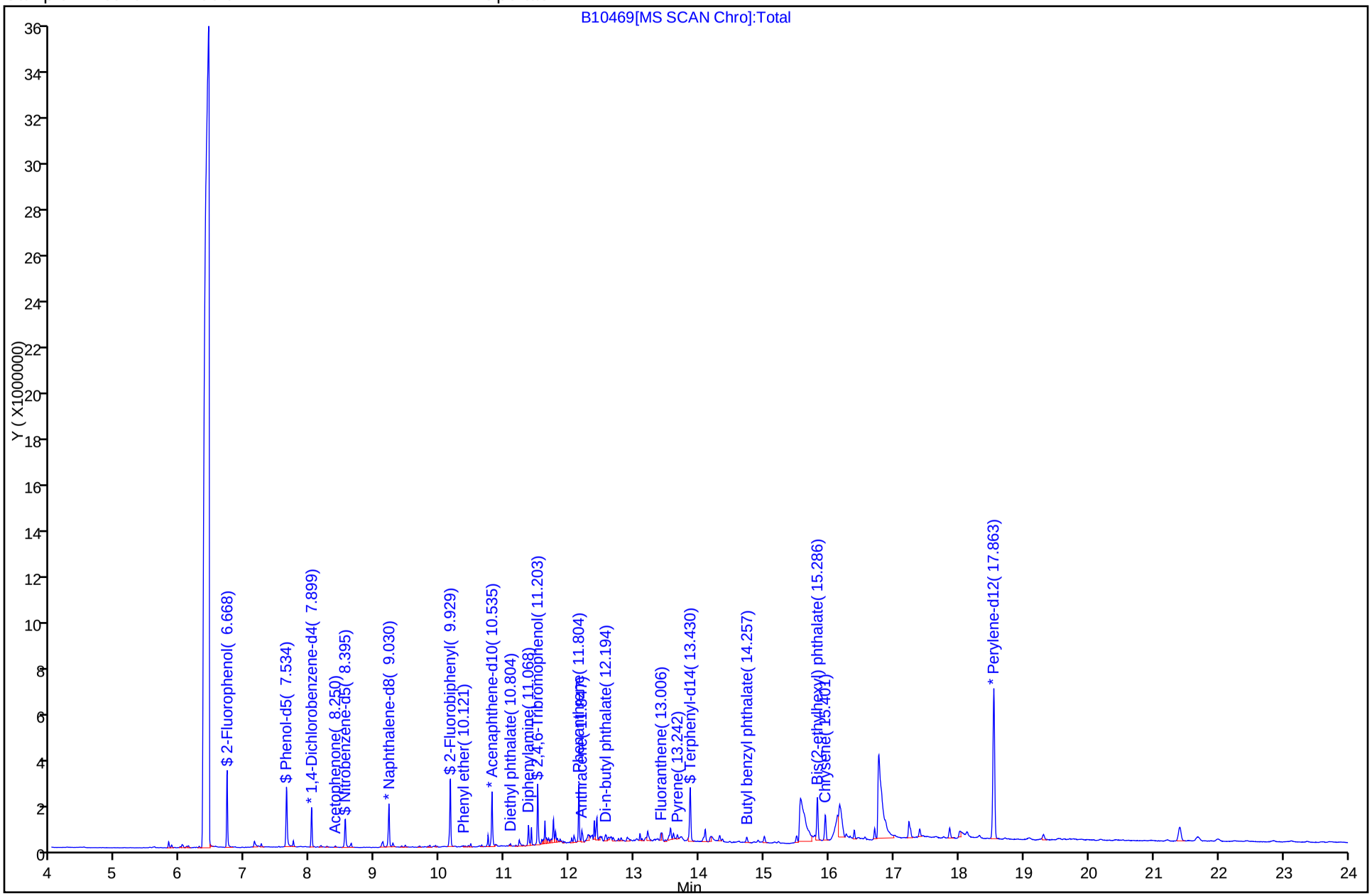
Compound	RT	Response	Amount ug/mL
* 4 Phenanthrene-d10	11.804	2301153	2.00
* 5 Chrysene-d12	15.401	1567550	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 13:09:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36

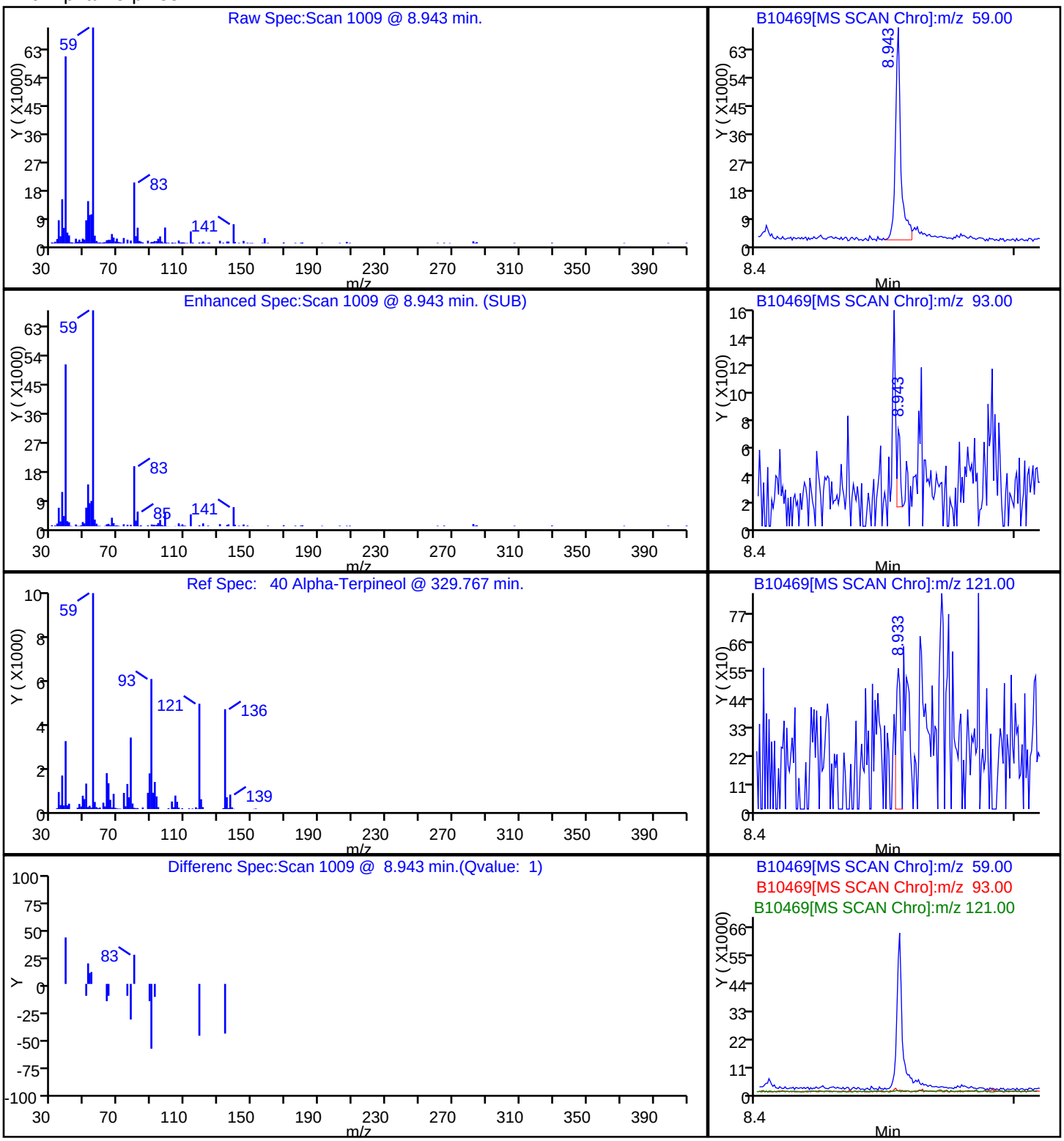
Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10469.D		
Inj Date:	22-Sep-2009 07:56:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	32
Client ID:	OC-SB-464-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	360-24417-a-4-d		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 23-Sep-2009 13:09:04 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10469.D		
Inj Date:	22-Sep-2009 07:56:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	32
Client ID:	OC-SB-464-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	360-24417-a-4-d		
Sample Amount:	1.00 ul	Operator:	MZ

40 Alpha-Terpineol



Report Date: 23-Sep-2009 13:09:04 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10469.D

Inj Date: 22-Sep-2009 07:56:30 Limit Group: SMS - 8270LL SVOA Calibration

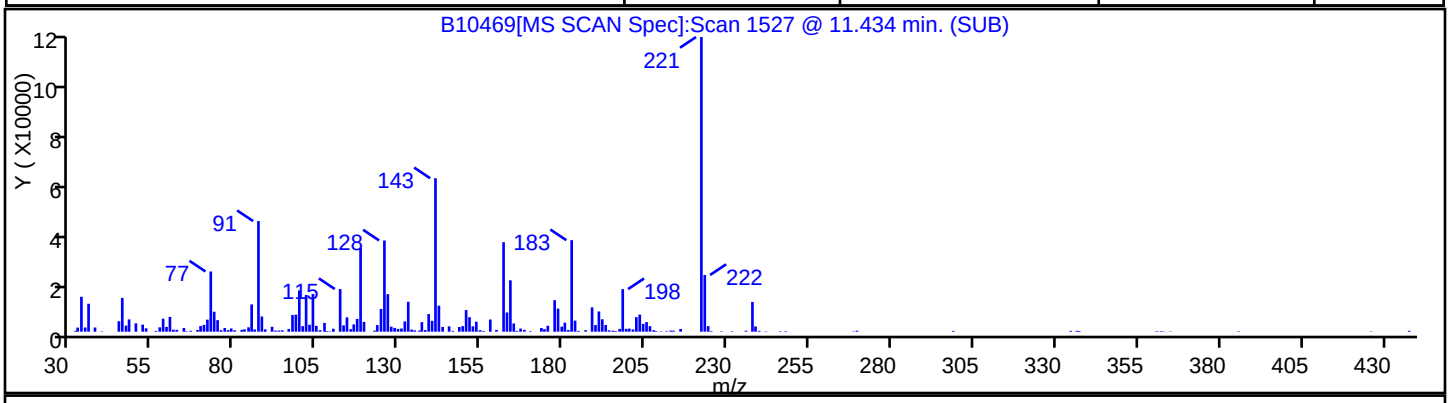
Lims Batch ID: 49266 Lims Sample ID: 32

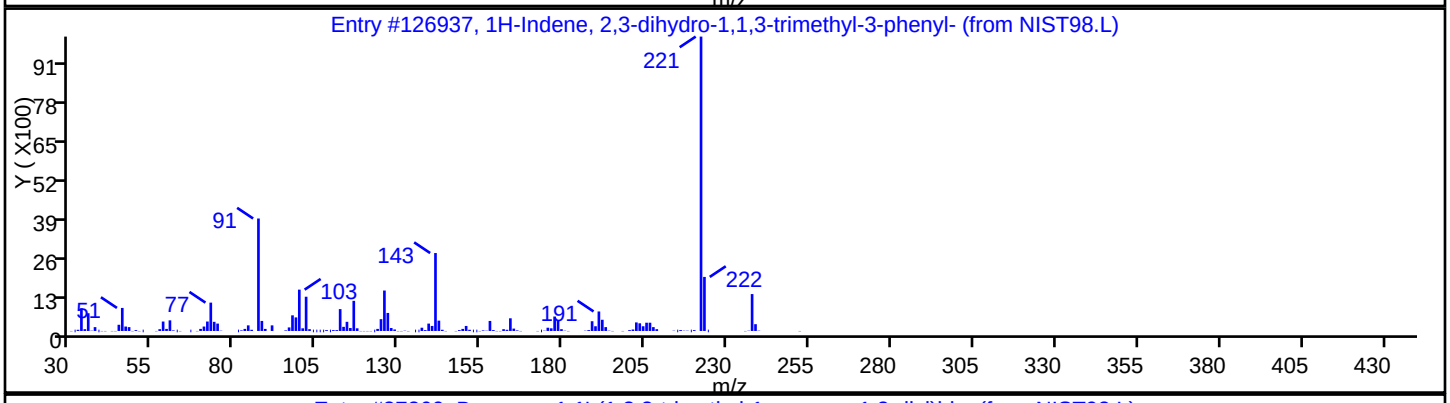
Client ID: OC-SB-464-0.0/1.0-XXX Instrument: Inst. B

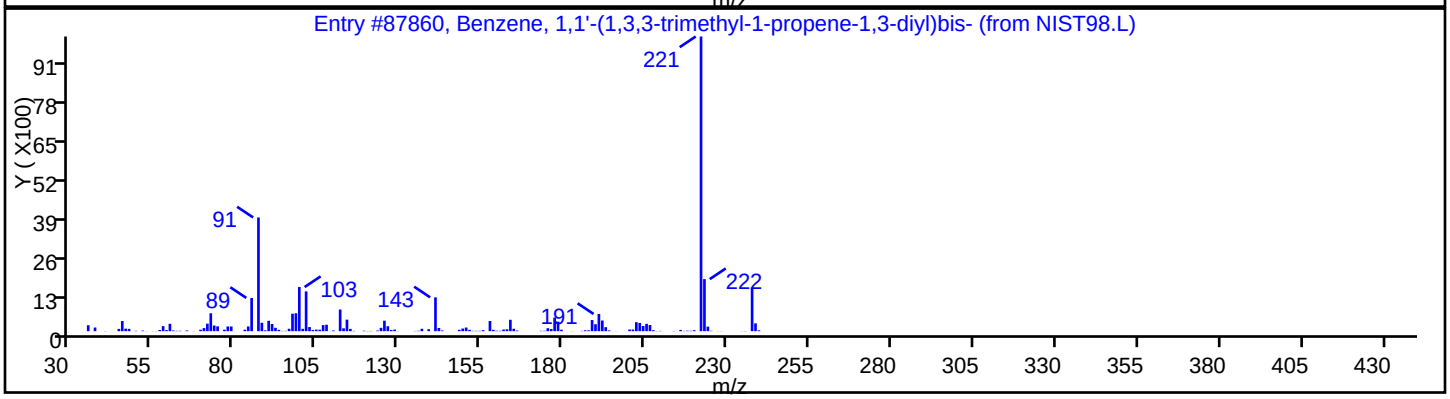
Sample Info: 360-24417-a-4-d

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	126937	86
Benzene, 1,1'-(1,3,3-trimethyl-1-propene	6258-73-7	NIST98.L	87860	60







Report Date: 23-Sep-2009 13:09:04 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10469.D

Inj Date: 22-Sep-2009 07:56:30 Limit Group: SMS - 8270LL SVOA Calibration

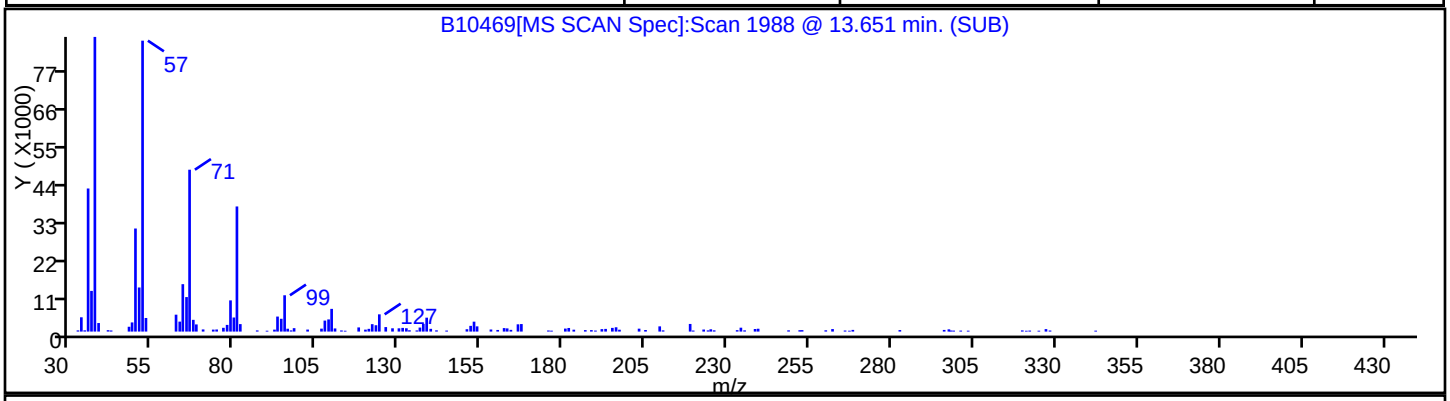
Lims Batch ID: 49266 Lims Sample ID: 32

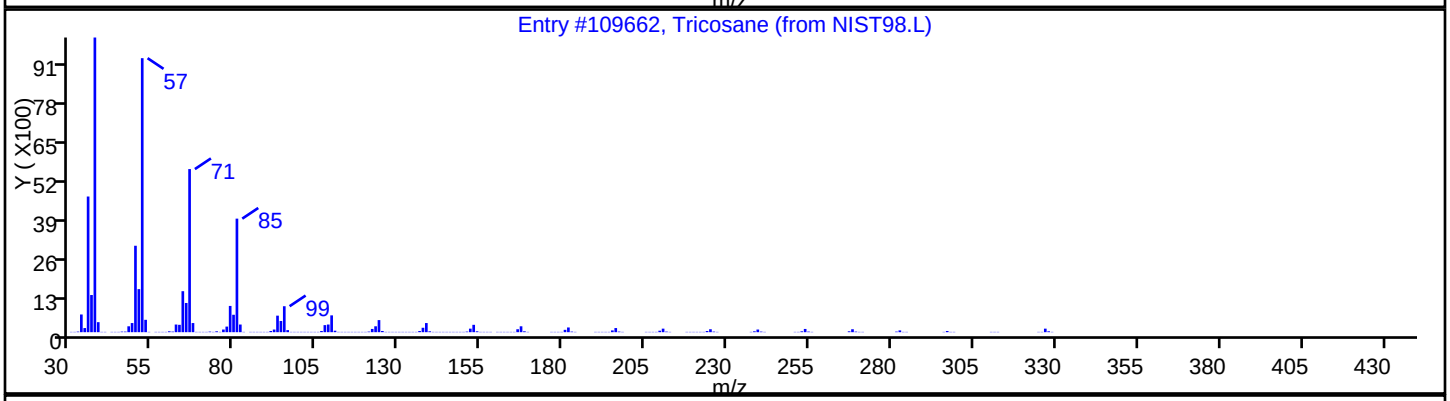
Client ID: OC-SB-464-0.0/1.0-XXX Instrument: Inst. B

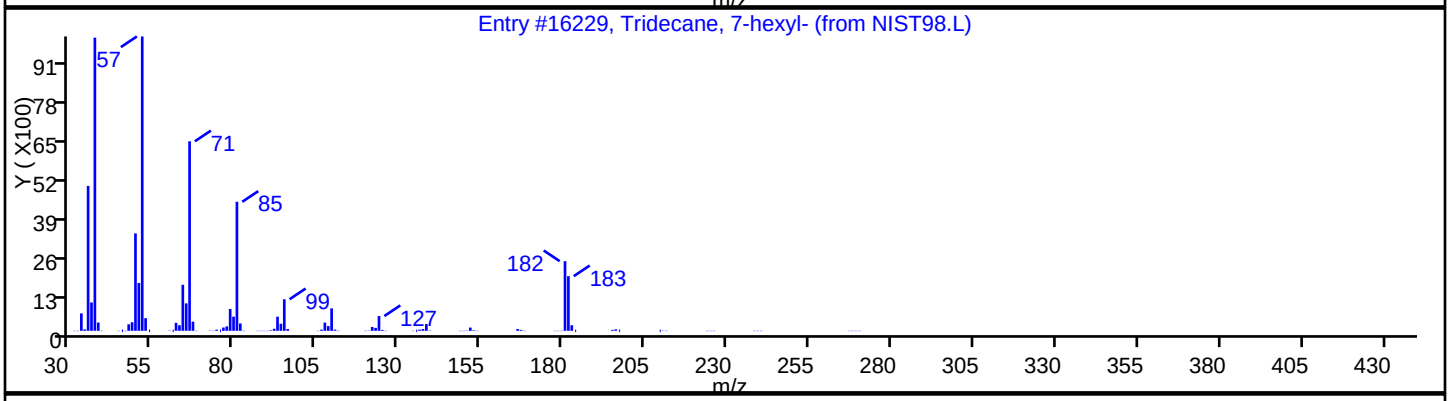
Sample Info: 360-24417-a-4-d

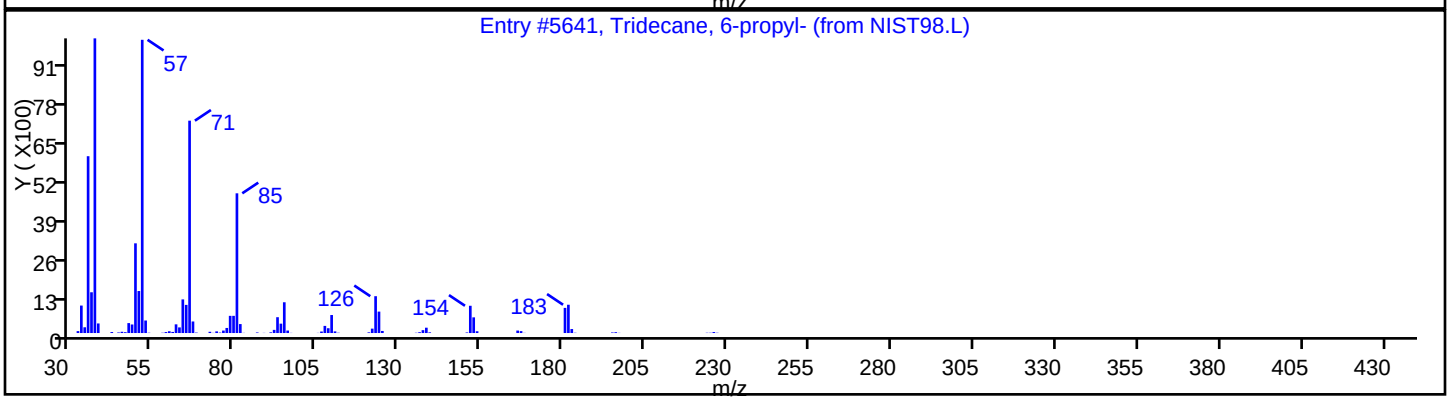
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tricosane	638-67-5	NIST98.L	109662	96
Tridecane, 7-hexyl-	7225-66-3	NIST98.L	16229	93
Tridecane, 6-propyl-	55045-10-8	NIST98.L	5641	91









Report Date: 23-Sep-2009 13:09:04 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10469.D

Inj Date: 22-Sep-2009 07:56:30 Limit Group: SMS - 8270LL SVOA Calibration

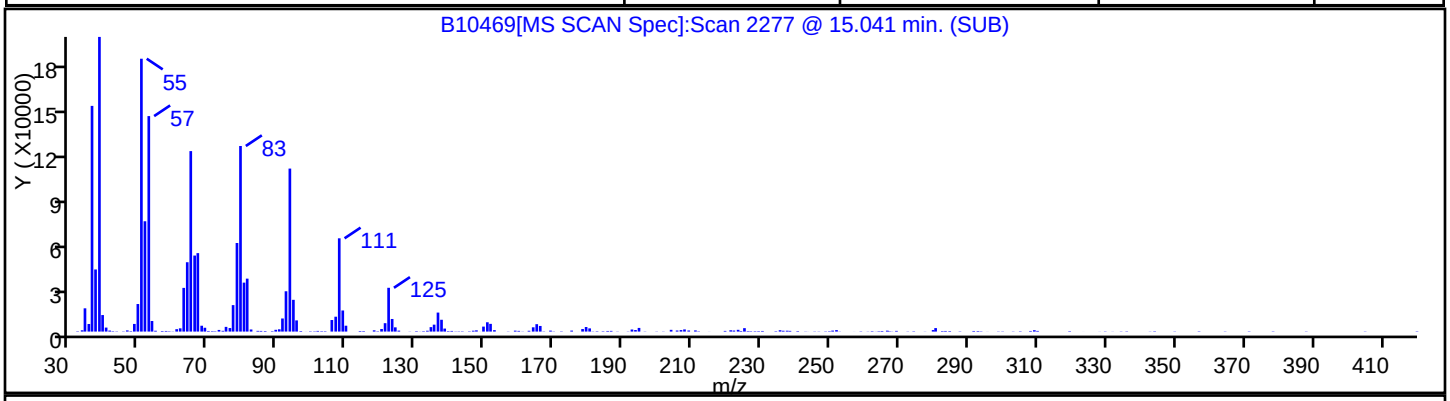
Lims Batch ID: 49266 Lims Sample ID: 32

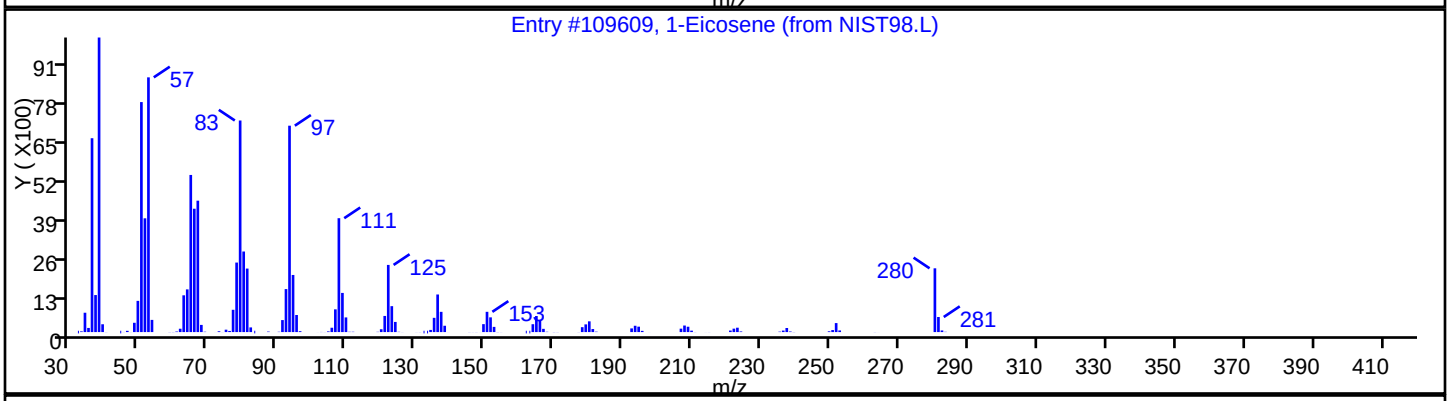
Client ID: OC-SB-464-0.0/1.0-XXX Instrument: Inst. B

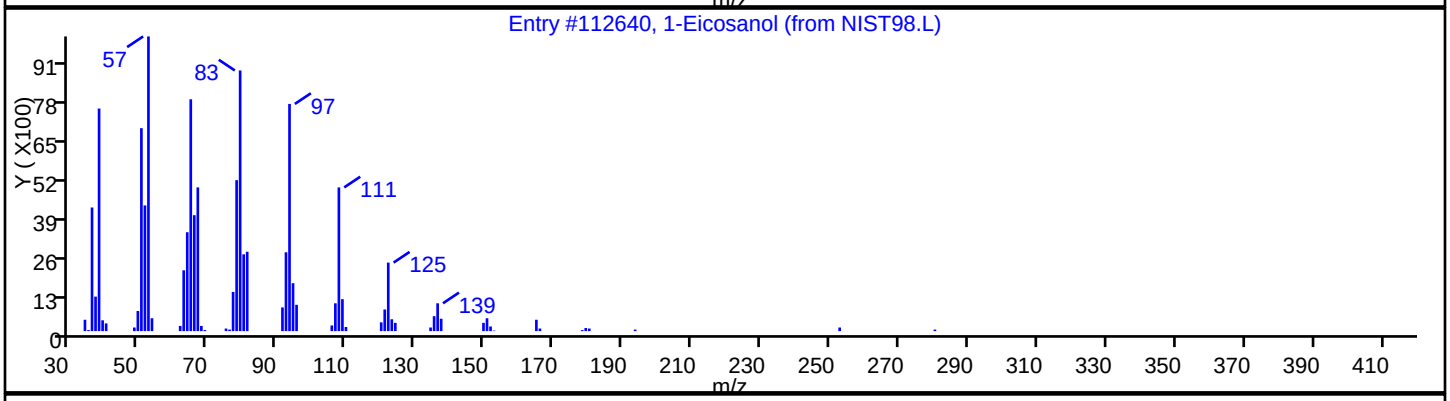
Sample Info: 360-24417-a-4-d

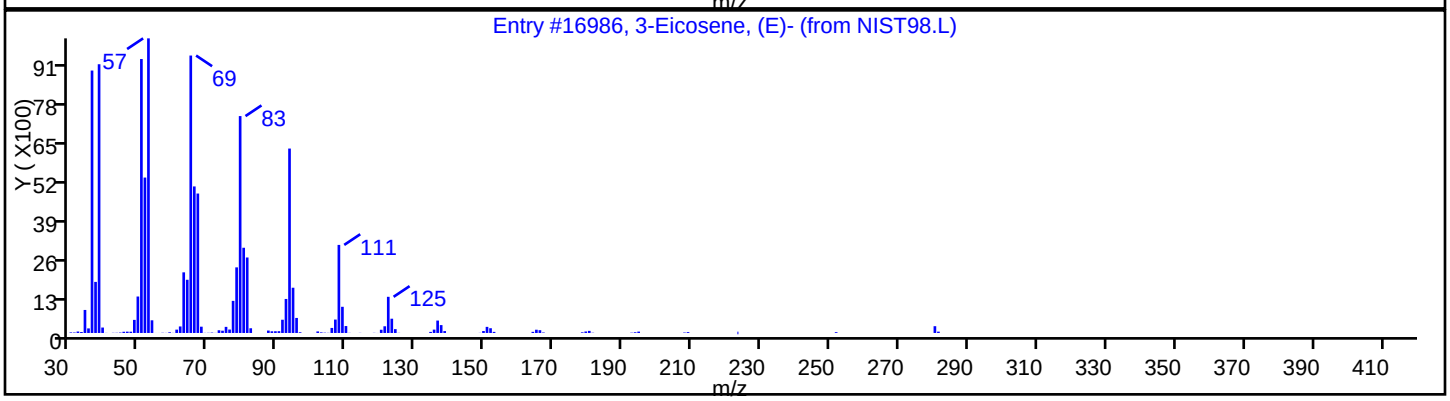
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Eicosene	3452-7-1	NIST98.L	109609	96
1-Eicosanol	629-96-9	NIST98.L	112640	95
3-Eicosene, (E)-	74685-33-9	NIST98.L	16986	95









Report Date: 23-Sep-2009 13:09:04 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10469.D

Inj Date: 22-Sep-2009 07:56:30 Limit Group: SMS - 8270LL SVOA Calibration

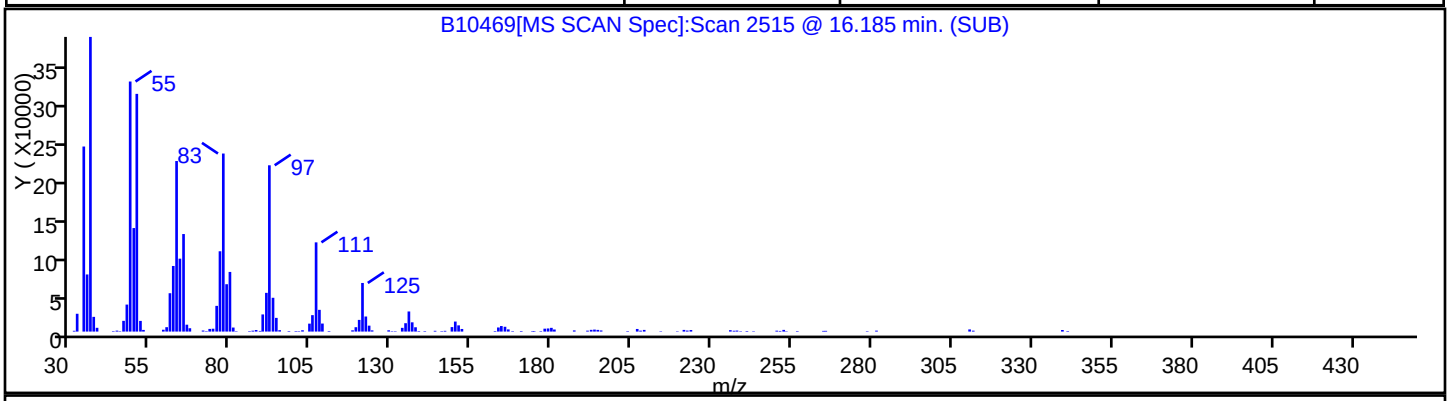
Lims Batch ID: 49266 Lims Sample ID: 32

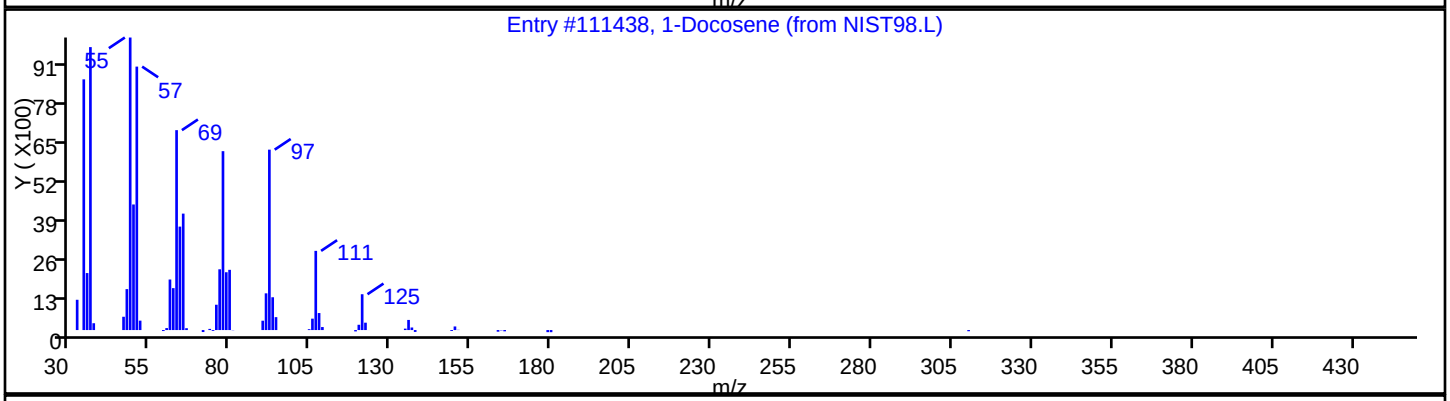
Client ID: OC-SB-464-0.0/1.0-XXX Instrument: Inst. B

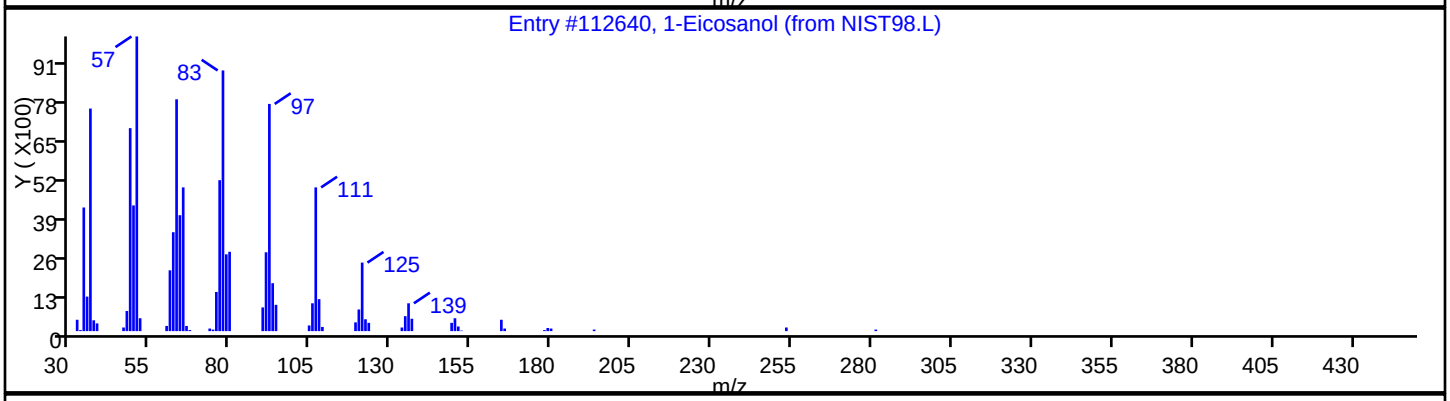
Sample Info: 360-24417-a-4-d

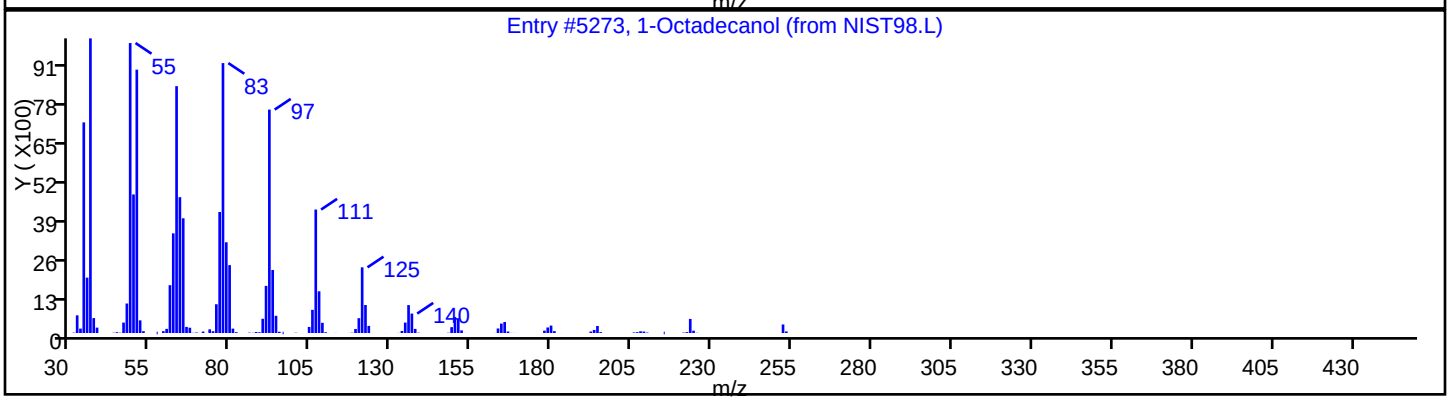
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Docosene	1599-67-3	NIST98.L	111438	99
1-Eicosanol	629-96-9	NIST98.L	112640	91
1-Octadecanol	112-92-5	NIST98.L	5273	91









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-5.0/7.0-XXX | Lab Sample ID: 360-24417-6

Matrix: Solid | Lab File ID: J02928.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 16:50

Extract. Method: 3550B | Date Extracted: 09/10/2009 12:11

Sample wt/vol: 100.05(g) | Date Analyzed: 09/12/2009 17:19

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

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

% Moisture: 12.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	ND		5.7	1.3

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	76	30-130	
321-60-8	2-Fluorobiphenyl	58	30-130	
367-12-4	2-Fluorophenol	53	30-130	
4165-60-0	Nitrobenzene-d5	55	30-130	
4165-62-2	Phenol-d5	61	30-130	
1718-51-0	Terphenyl-d14	75	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02928.D		
Lims ID:	360-24417-A-6-C	Client ID:	OC-SB-464-5.0/7.0-XXX
Inject. Date:	12-Sep-2009 17:19:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24417-6		
Misc. Info.:	360-0001151-014		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	48876	Lims Sample ID:	14
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\8270NDMA.m		
Last Update:	12-Sep-2009 13:42:52	Calib Date:	10-Sep-2009 20:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02891.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	13-Sep-2009 07:32:16

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.007	5.009	-0.002	202399	2.00	
* 2 Naphthalene-d8	136	6.233	6.230	0.003	509010	2.00	
* 3 Acenaphthene-d10	164	7.955	7.957	-0.002	259245	2.00	
* 4 Phenanthrene-d10	188	9.421	9.423	-0.002	418964	2.00	
* 5 Chrysene-d12	240	12.057	12.054	0.003	259557	2.00	
* 6 Perylene-d12	264	13.499	13.491	0.008	162501	2.00	
$ 7 2-Fluorophenol	112	3.776	3.773	0.003	346550	5.27	
$ 8 Phenol-d5	99	4.665	4.663	0.002	491969	6.14	
$ 9 Nitrobenzene-d5	82	5.541	5.538	0.003	212207	2.77	
$ 10 2-Fluorobiphenyl	172	7.291	7.293	-0.002	488161	2.88	
$ 11 2,4,6-Tribromophenol	330	8.739	8.736	0.003	120257	7.57	
$ 12 Terphenyl-d14	244	11.003	11.001	0.002	432592	3.76	
24 Benzyl alcohol	79	5.377	5.393	-0.016	1290		
26 2-Methylphenol	108	5.396	5.393	0.003	986	0.0154	
17 Benzaldehyde	94	5.541	5.557	-0.016	219		
30 Acetophenone	105	5.714	5.720	-0.006	163		
20 Bis(2-chloroethyl)ether	93	5.829	5.836	-0.007	59		
27 2,2'-oxybis[1-chloropropane]	45	6.074	6.076	-0.002	156		
32 Nitrobenzene	77	6.147	6.177	-0.030	1210		
35 2,4-Dimethylphenol	107	6.195	6.177	0.018	214		
29 N-Nitrosodi-n-propylamine	70	6.233	6.264	-0.031	2307		
18 Phenol	94	6.257	6.264	-0.007	239		
36 Benzoic acid	105	6.262	6.264	-0.002	192		
37 Bis(2-chloroethoxy)methane	93	6.257	6.264	-0.007	1425		
28 3 & 4 Methylphenol	108	6.310	6.317	-0.007	90		
19 Aniline	93	6.368	6.365	0.003	179		
39 1,2,4-Trichlorobenzene	180	6.397	6.374	0.023	410		
41 Naphthalene	128	6.652	6.648	0.004	71		
42 4-Chloroaniline	127	6.728	6.701	0.027	93		
25 1,2-Dichlorobenzene	146	6.805	6.788	0.017	169		
46 2-Methylnaphthalene	142	7.180	7.221	-0.041	224		

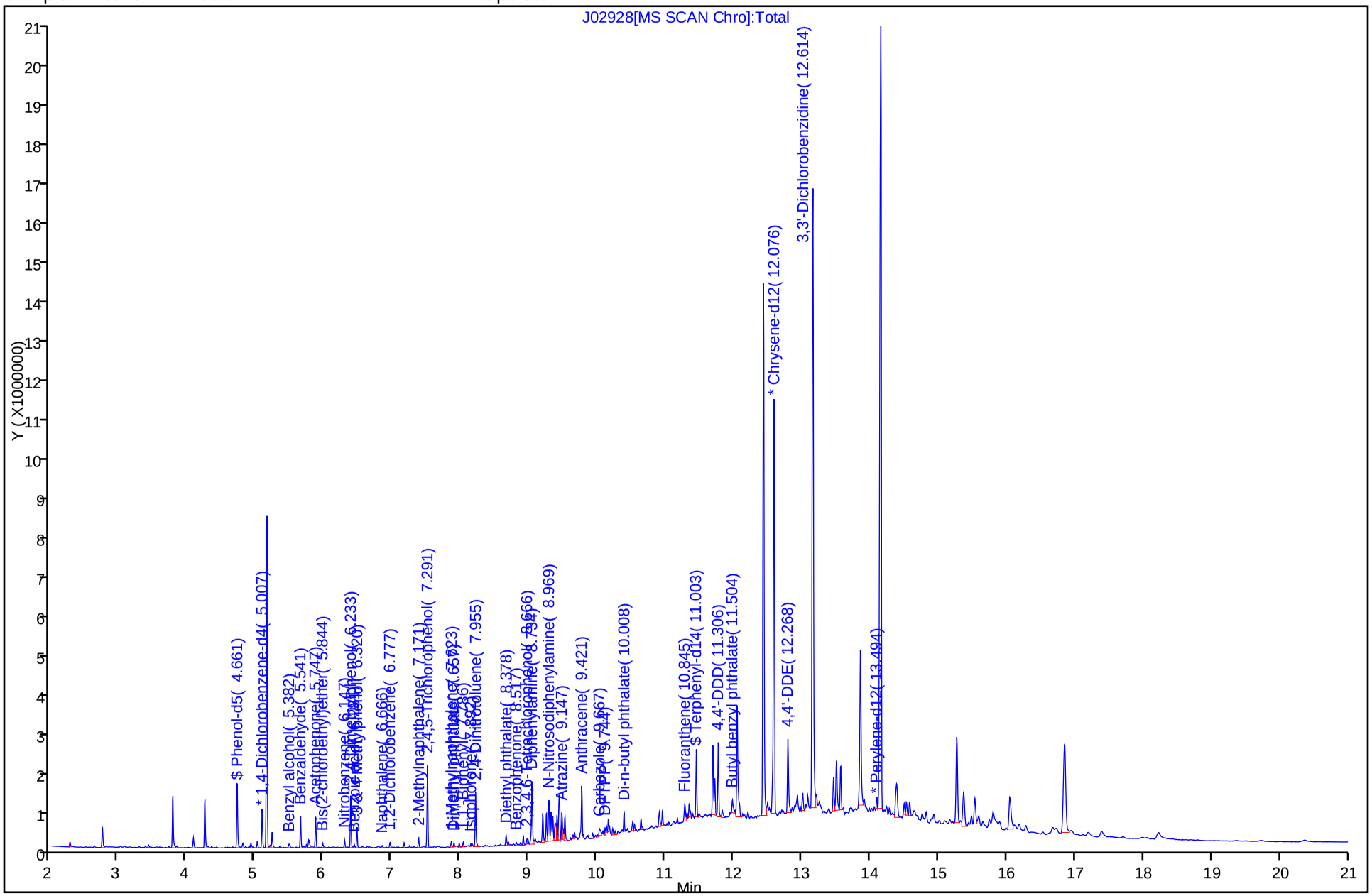
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
50 2,4,6-Trichlorophenol	196	7.248	7.245	0.003	1021		
51 2,4,5-Trichlorophenol	196	7.248	7.245	0.003	1021		
44 Caprolactam	55	7.310	7.298	0.012	146	0.1211	
49 1,2,4,5-Tetrachlorobenzene	216	7.378	7.375	0.003	365	8.03	
53 2-Chloronaphthalene	162	7.363	7.432	-0.069	653	0.0101	
55 2-Nitroaniline	65	7.507	7.514	-0.007	539	0.0232	
47 1-Methylnaphthalene	142	7.623	7.610	0.013	1610	88.6	
56 Dimethyl phthalate	163	7.690	7.692	-0.002	2594	0.0161	
57 2,6-Dinitrotoluene	165	7.767	7.755	0.012	147	0.0469	
58 Acenaphthylene	152	7.815	7.817	-0.002	2365	0.0111	
52 1,1'-Biphenyl	154	7.810	7.817	-0.007	83	0.0497	
33 Isophorone	82	7.916	7.908	0.008	380	0.0254	
59 3-Nitroaniline	138	7.931	7.918	0.013	66	0.0478	
34 2-Nitrophenol	139	7.950	7.961	-0.011	410	0.1818	
62 4-Nitrophenol	109	8.099	8.086	0.013	246	0.3040	
63 2,4-Dinitrotoluene	165	8.142	8.154	-0.012	177	0.1275	
66 Diethyl phthalate	149	8.387	8.389	-0.002	21676	0.1321	
69 Fluorene	166	8.498	8.495	0.003	1757	0.0111	
13 Benzophenone	105	8.532	8.519	0.013	498	0.6400	
68 4-Nitroaniline	138	8.522	8.519	0.003	261	0.0884	
65 2,3,4,6-Tetrachlorophenol	232	8.642	8.649	-0.007	745	NaN	5
74 Azobenzene	77	8.666	8.654	0.012	20141	0.0832	
60 2,4-Dinitrophenol	184	8.671	8.668	0.003	1019	1.49	
71 Diphenylamine	169	8.734	8.736	-0.002	5580	7.37	
72 N-Nitrosodiphenylamine	169	8.965	8.981	-0.016	369	0.0685	
77 Atrazine	200	9.152	9.164	-0.012	258	0.0133	
80 Phenanthrene	178	9.445	9.447	-0.002	18238		
81 Anthracene	178	9.445	9.447	-0.002	18238		
83 Carbazole	167	9.662	9.659	0.003	3021		
82 DFTPP	198	9.753	9.723	0.030	1180		
84 Di-n-butyl phthalate	149	10.008	10.005	0.003	245517		
85 Pyrene	202	10.624	10.625	-0.001	33921		
87 Fluoranthene	202	10.744	10.746	-0.002	473		
88 4,4'-DDD	235	11.287	11.286	0.001	1617		
89 Butyl benzyl phthalate	149	11.489	11.486	0.003	13632		
93 Benzo[a]anthracene	228	12.047	12.044	0.003	11870		
94 Chrysene	228	12.047	12.044	0.003	11496		
92 Bis(2-ethylhexyl) phthalate	149	12.076	12.073	0.003	3134938		
96 4,4'-DDE	246	12.191	12.176	0.015	139		
95 Di-n-octyl phthalate	149	12.629	12.607	0.022	5751		
91 3,3'-Dichlorobenzidine	252	12.739	12.678	0.061	55		

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 13-Sep-2009 07:32:17 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02928.D		
Inj Date:	12-Sep-2009 17:19:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48876	Lims Sample ID:	14
Client ID:	OC-SB-464-5.0/7.0-XXX	Instrument:	Inst. J
Sample Info:	24417-6		
Sample Amount:	1.00 uL	Operator:	



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-5.0/7.0-XXX | Lab Sample ID: 360-24417-6

Matrix: Solid | Lab File ID: B10471.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 16:50

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.53(g) | Date Analyzed: 09/22/2009 08:58

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

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

% Moisture: 12.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		37	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		37	11
120-82-1	1,2,4-Trichlorobenzene	ND		37	11
95-50-1	1,2-Dichlorobenzene	ND		37	11
541-73-1	1,3-Dichlorobenzene	ND		37	11
106-46-7	1,4-Dichlorobenzene	ND		37	11
90-12-0	1-Methylnaphthalene	ND		37	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		37	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		37	11
95-95-4	2,4,5-Trichlorophenol	ND		37	11
88-06-2	2,4,6-Trichlorophenol	ND		37	11
120-83-2	2,4-Dichlorophenol	ND		37	11
105-67-9	2,4-Dimethylphenol	ND		37	15
51-28-5	2,4-Dinitrophenol	ND		37	11
121-14-2	2,4-Dinitrotoluene	ND		37	11
606-20-2	2,6-Dinitrotoluene	ND		37	11
91-58-7	2-Chloronaphthalene	ND		37	11
95-57-8	2-Chlorophenol	ND		37	11
91-57-6	2-Methylnaphthalene	ND		37	11
95-48-7	2-Methylphenol	ND		37	22
88-74-4	2-Nitroaniline	ND		190	11
88-75-5	2-Nitrophenol	ND		37	11
15831-10-4	3 & 4 Methylphenol	ND		37	11
91-94-1	3,3'-Dichlorobenzidine	ND		75	11
99-09-2	3-Nitroaniline	ND		190	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		190	11
101-55-3	4-Bromophenyl phenyl ether	ND		37	11
59-50-7	4-Chloro-3-methylphenol	ND		75	11
106-47-8	4-Chloroaniline	ND		75	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		37	11
100-01-6	4-Nitroaniline	ND		190	11
100-02-7	4-Nitrophenol	ND		190	11
83-32-9	Acenaphthene	ND		37	11
208-96-8	Acenaphthylene	ND		37	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID: OC-SB-464-5.0/7.0-XXX | Lab Sample ID: 360-24417-6
Matrix: Solid | Lab File ID: B10471.D
Analysis Method: 8270C LL | Date Collected: 09/01/2009 16:50
Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42
Sample wt/vol: 30.53(g) | Date Analyzed: 09/22/2009 08:58
Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1
Injection Volume: 1.0(uL) | Level: (low/med) Low
% Moisture: 12.2 | GPC Cleanup:(Y/N) N
Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		37	11
62-53-3	Aniline	ND		37	11
120-12-7	Anthracene	ND		37	11
1912-24-9	Atrazine	ND		37	11
103-33-3	Azobenzene	ND		37	11
100-52-7	Benzaldehyde	ND		37	11
56-55-3	Benzo[a]anthracene	ND		37	11
50-32-8	Benzo[a]pyrene	ND		37	11
205-99-2	Benzo[b]fluoranthene	ND		37	11
191-24-2	Benzo[g,h,i]perylene	ND		37	11
207-08-9	Benzo[k]fluoranthene	ND		37	11
65-85-0	Benzoic acid	ND		190	17
119-61-9	Benzophenone	ND		37	11
100-51-6	Benzyl alcohol	ND		75	32
111-91-1	Bis(2-chloroethoxy)methane	ND		37	11
111-44-4	Bis(2-chloroethyl)ether	ND		37	11
117-81-7	Bis(2-ethylhexyl) phthalate	200		37	11
85-68-7	Butyl benzyl phthalate	ND		37	11
105-60-2	Caprolactam	ND		37	11
86-74-8	Carbazole	ND		37	11
218-01-9	Chrysene	ND		37	11
53-70-3	Dibenz(a,h)anthracene	ND		37	11
132-64-9	Dibenzofuran	ND		37	11
84-66-2	Diethyl phthalate	ND		37	11
131-11-3	Dimethyl phthalate	ND		37	11
84-74-2	Di-n-butyl phthalate	ND		37	33
117-84-0	Di-n-octyl phthalate	ND		37	19
101-84-8	Diphenyl oxide	ND		37	11
122-39-4	Diphenylamine	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		75	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-5.0/7.0-XXX | Lab Sample ID: 360-24417-6

Matrix: Solid | Lab File ID: B10471.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 16:50

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.53(g) | Date Analyzed: 09/22/2009 08:58

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

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

% Moisture: 12.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	ND		37	11
193-39-5	Indeno[1,2,3-cd]pyrene	ND		37	11
78-59-1	Isophorone	ND		37	11
91-20-3	Naphthalene	ND		90	11
98-95-3	Nitrobenzene	ND		37	11
62-75-9	N-Nitrosodimethylamine	ND		37	13
621-64-7	N-Nitrosodi-n-propylamine	ND		37	11
86-30-6	N-Nitrosodiphenylamine	ND		37	11
87-86-5	Pentachlorophenol	ND		37	11
85-01-8	Phenanthrene	ND		45	11
108-95-2	Phenol	ND		37	11
129-00-0	Pyrene	ND		37	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	55	30-130	
367-12-4	2-Fluorophenol	63	30-130	
321-60-8	2-Fluorobiphenyl	54	30-130	
4165-60-0	Nitrobenzene-d5	61	30-130	
4165-62-2	Phenol-d5	62	30-130	
1718-51-0	Terphenyl-d14	54	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-5.0/7.0-XXX | Lab Sample ID: 360-24417-6

Matrix: Solid | Lab File ID: B10471.D

Analysis Method: 8270C LL | Date Collected: 09/01/2009 16:50

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.53(g) | Date Analyzed: 09/22/2009 08:58

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

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

% Moisture: 12.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49266 | Units: ug/Kg

Number TICs Found: 6 | TIC Result Total: 510

CAS NO.	COMPOUND NAME	RT	RESULT	Q
98-55-5	Alpha-Terpineol	8.94	26	J
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	11.43	31	T J N
112-61-8	Octadecanoic acid, methyl ester	12.81	17	T J N
3452-7-1	1-Eicosene	15.11	160	T J N
593-49-7	Heptacosane	16.12	36	T J N
1599-67-3	1-Docosene	16.22	240	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10471.D		
Lims ID:	360-24417-A-6-D	Client ID:	OC-SB-464-5.0/7.0-XXX
Inject. Date:	22-Sep-2009 08:58:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-6-d		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	34
Lims Batch ID:	49266	Lims Sample ID:	34
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 13:13:35	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:13:35

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.901	7.900	0.001	503124	2.00	
* 2 Naphthalene-d8	136	9.031	9.030	0.001	1201383	2.00	
* 3 Acenaphthene-d10	164	10.536	10.535	0.001	617959	2.00	
* 4 Phenanthrene-d10	188	11.806	11.800	0.006	1043624	2.00	
* 5 Chrysene-d12	240	15.403	15.397	0.006	661342	2.00	
* 6 Perylene-d12	264	17.855	17.840	0.015	627835	2.00	
$ 7 2-Fluorophenol	112	6.670	6.630	0.040	895946	6.32	
$ 8 Phenol-d5	99	7.536	7.520	0.016	1006546	6.17	
$ 9 Nitrobenzene-d5	82	8.392	8.390	0.002	470629	3.06	
$ 10 2-Fluorobiphenyl	172	9.926	9.924	0.002	1094249	2.68	
$ 11 2,4,6-Tribromophenol	330	11.205	11.204	0.001	210459	5.54	
$ 12 Terphenyl-d14	244	13.431	13.425	0.006	854250	2.71	
30 Acetophenone	105	8.247	8.246	0.001	14336	0.0737	
72 N-Nitrosodiphenylamine	169	11.061	11.059	0.002	32916	0.0968	
71 Diphenylamine	169	11.061	11.059	0.002	32916	0.0968	
13 Benzophenone	105	11.113	11.112	0.001	59532	0.1596	
80 Phenanthrene	178	11.825	11.824	0.001	28612	0.0529	
84 Di-n-butyl phthalate	149	12.205	12.204	0.001	65211	0.1024	
87 Fluoranthene	202	13.003	13.002	0.001	32441	0.0694	
85 Pyrene	202	13.306	13.305	0.001	25886	0.0482	
92 Bis(2-ethylhexyl) phthalate	149	15.287	15.281	0.006	1750996	5.47	
94 Chrysene	228	15.451	15.445	0.006	11390	0.0398	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10471.D		
Lims ID:	360-24417-A-6-D	Client ID:	OC-SB-464-5.0/7.0-XXX
Inject. Date:	22-Sep-2009 08:58:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-6-d		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	34
Lims Batch ID:	49266	Lims Sample ID:	34
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	23-Sep-2009 13:13:35	Calib Date:	21-Sep-2009 19:31:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:13:35

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
Pentachloronitrobenzene	11.633	112	0.0851	
1,2-Diphenylhydrazine	11.113	43028	0.0693	
Alpha-Terpineol	8.940	86652	0.6909	
Benzidine	13.114	667	0.1968	

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						
11.431	1159845	0.8213	4	86	126937	
112-61-8 Octadecanoic acid, methyl ester						
12.806	658390	0.4662	4	97	28371	
3452-7-1 1-Eicosene						
15.105	4117372	4.42	5	97	109609	
593-49-7 Heptacosane						
16.124	904758	0.9707	5	98	109643	
1599-67-3 1-Docosene						
16.220	5972572	6.41	5	98	111438	

Report Date: 23-Sep-2009 13:13:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10471.D
Quantitation Compounds

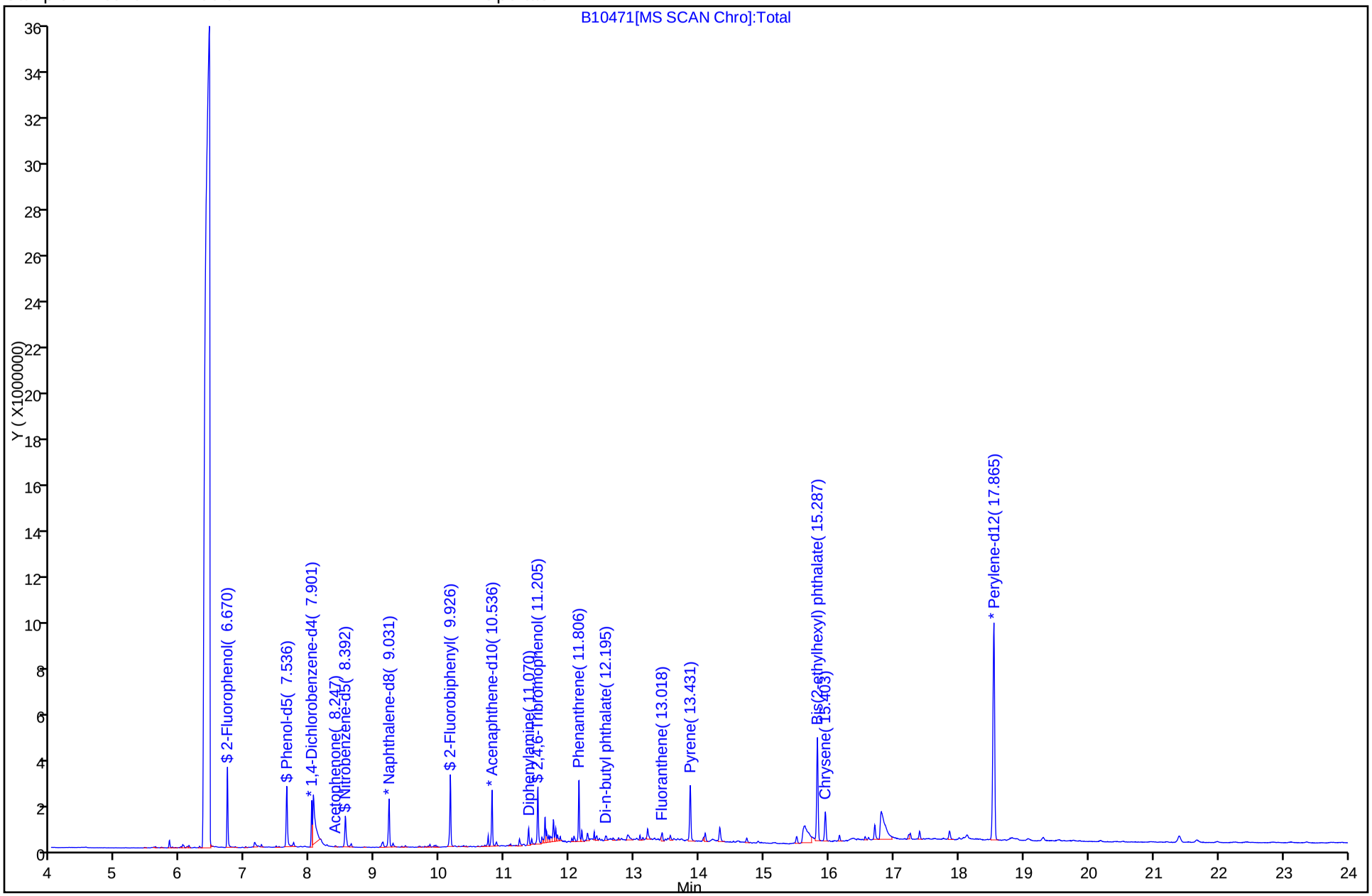
Compound	RT	Response	Amount ug/mL
* 4 Phenanthrene-d10	11.806	2824303	2.00
* 5 Chrysene-d12	15.403	1864222	2.00

QC Flag Legend

Processing Flags

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

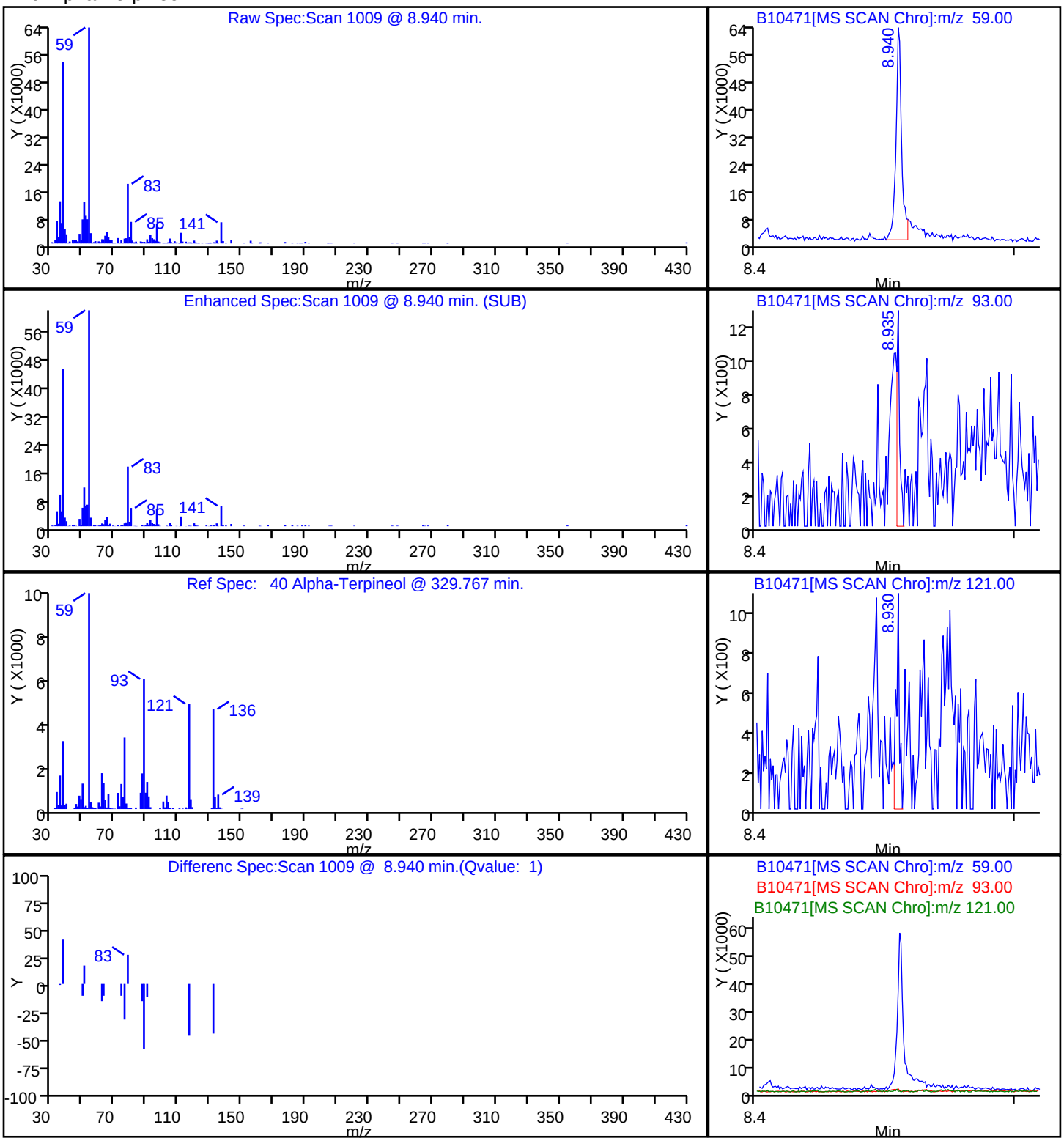
Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10471.D		
Inj Date:	22-Sep-2009 08:58:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	34
Client ID:	OC-SB-464-5.0/7.0-XXX	Instrument:	Inst. B
Sample Info:	360-24417-a-6-d		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 23-Sep-2009 13:13:38 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10471.D		
Inj Date:	22-Sep-2009 08:58:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	34
Client ID:	OC-SB-464-5.0/7.0-XXX	Instrument:	Inst. B
Sample Info:	360-24417-a-6-d		
Sample Amount:	1.00 ul	Operator:	MZ

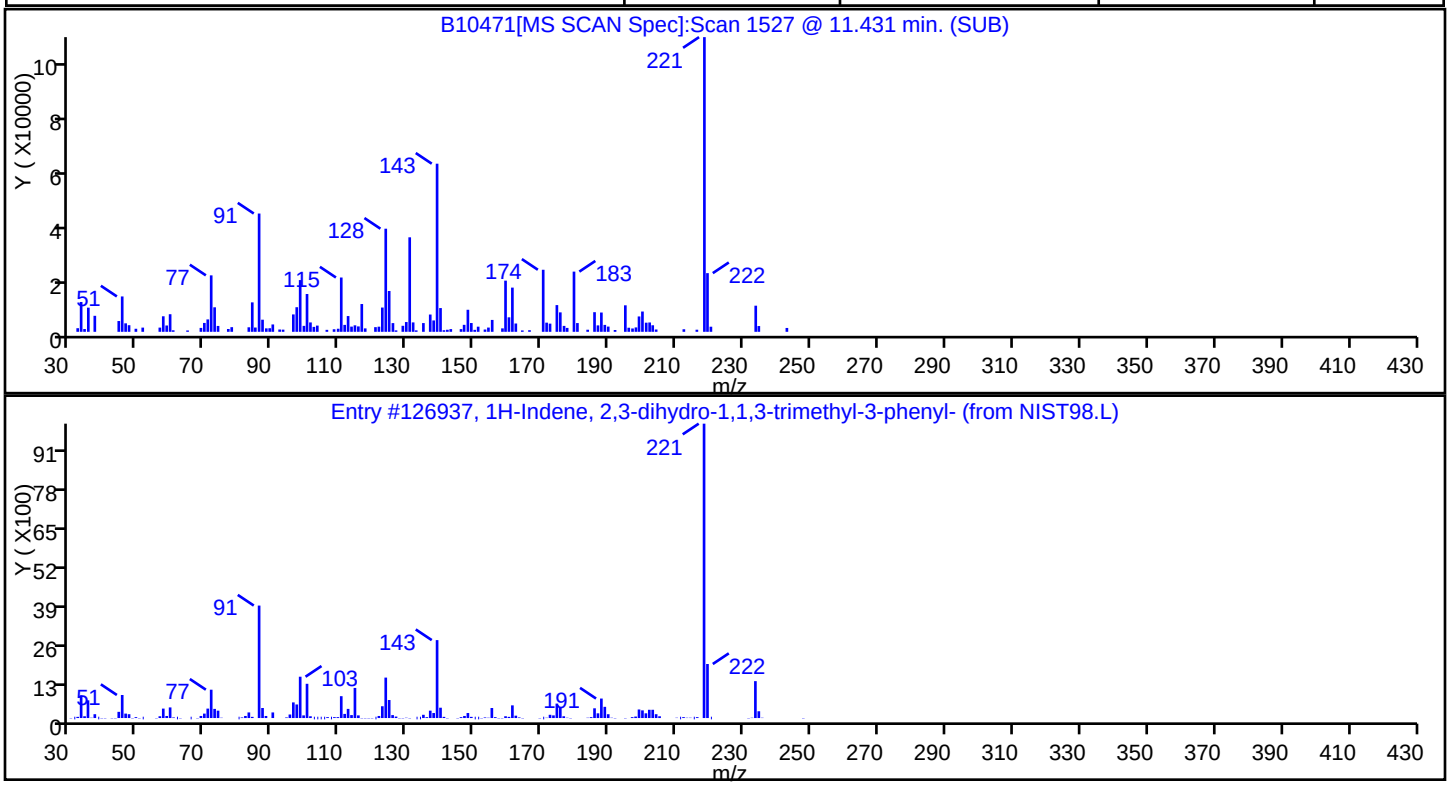
40 Alpha-Terpineol



Report Date: 23-Sep-2009 13:13:38 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10471.D		
Inj Date:	22-Sep-2009 08:58:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	34
Client ID:	OC-SB-464-5.0/7.0-XXX	Instrument:	Inst. B
Sample Info:	360-24417-a-6-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	126937	86



Report Date: 23-Sep-2009 13:13:38 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10471.D

Inj Date: 22-Sep-2009 08:58:30 Limit Group: SMS - 8270LL SVOA Calibration

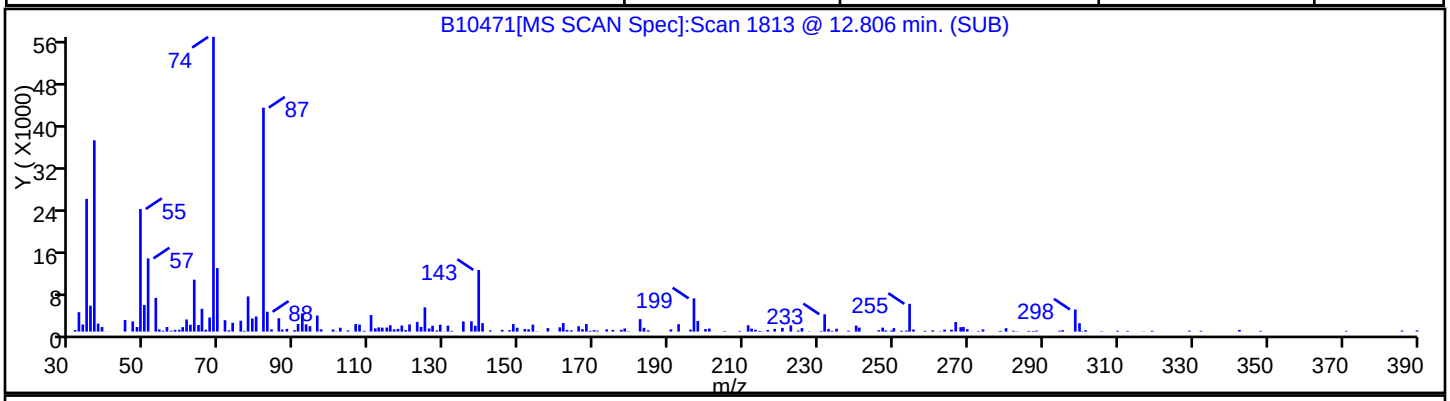
Lims Batch ID: 49266 Lims Sample ID: 34

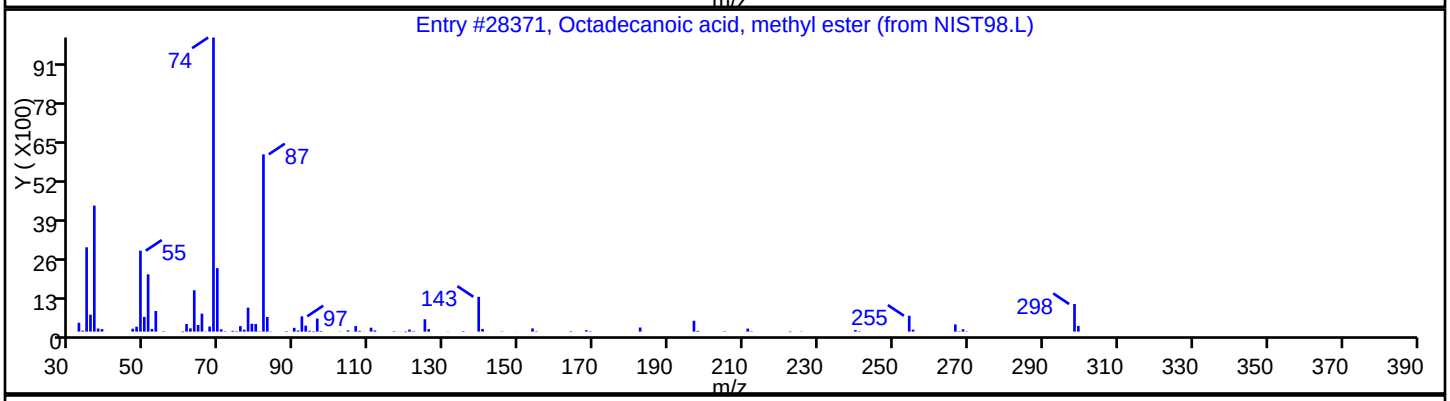
Client ID: OC-SB-464-5.0/7.0-XXX Instrument: Inst. B

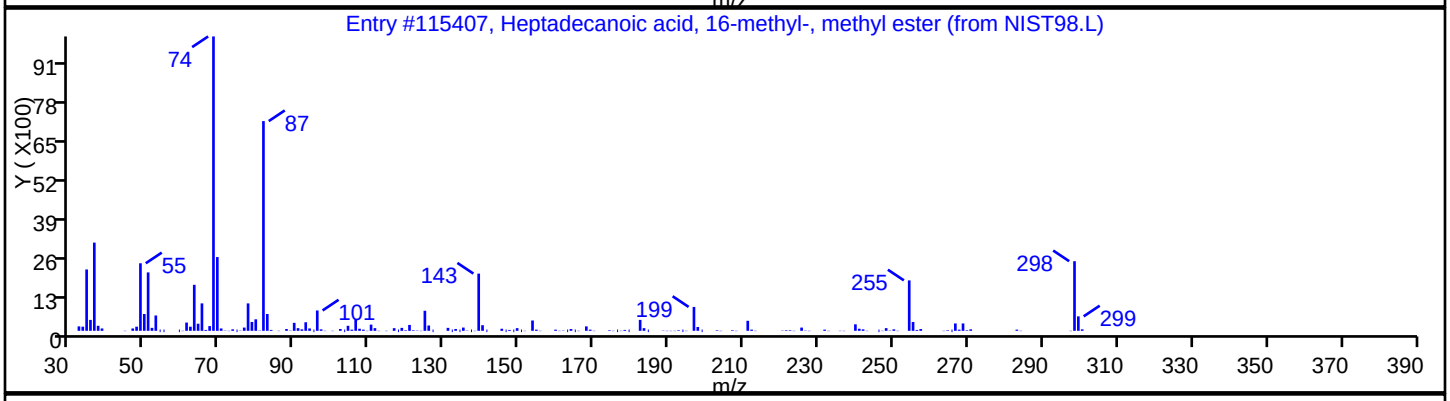
Sample Info: 360-24417-a-6-d

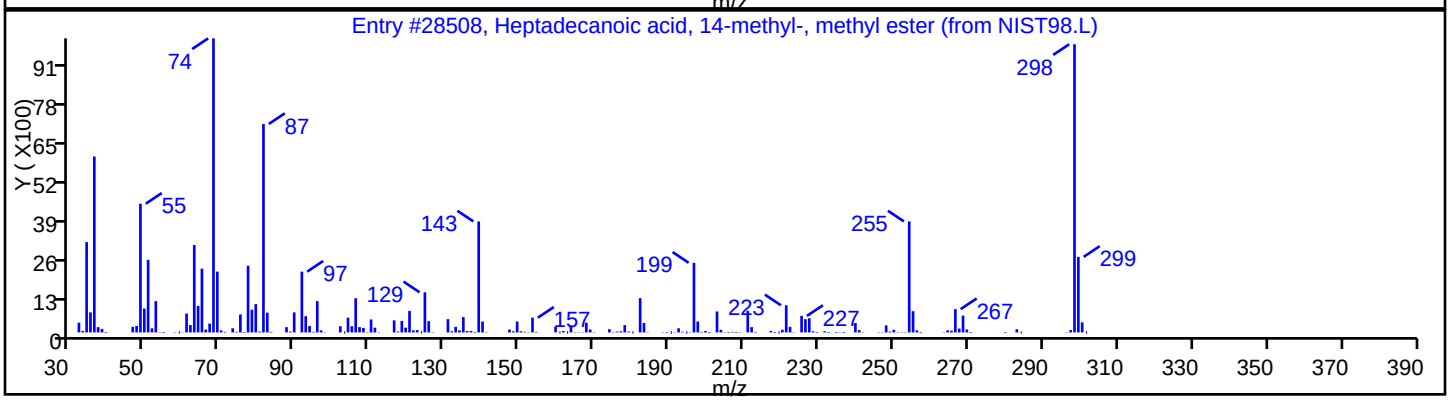
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, methyl ester	112-61-8	NIST98.L	28371	97
Heptadecanoic acid, 16-methyl-, methyl e	5129-61-3	NIST98.L	115407	93
Heptadecanoic acid, 14-methyl-, methyl e	2490-23-5	NIST98.L	28508	90









Report Date: 23-Sep-2009 13:13:38 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10471.D

Inj Date: 22-Sep-2009 08:58:30 Limit Group: SMS - 8270LL SVOA Calibration

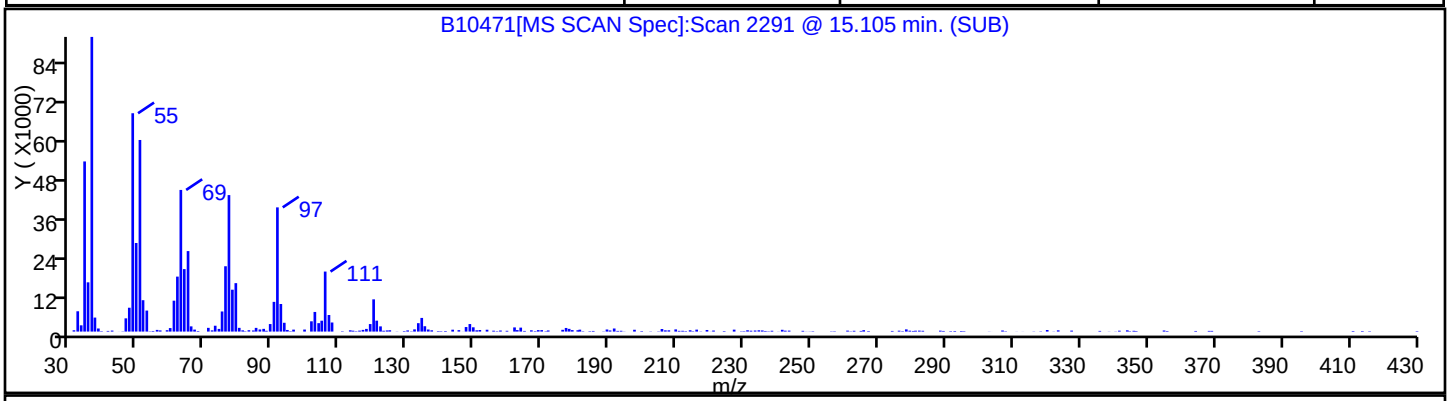
Lims Batch ID: 49266 Lims Sample ID: 34

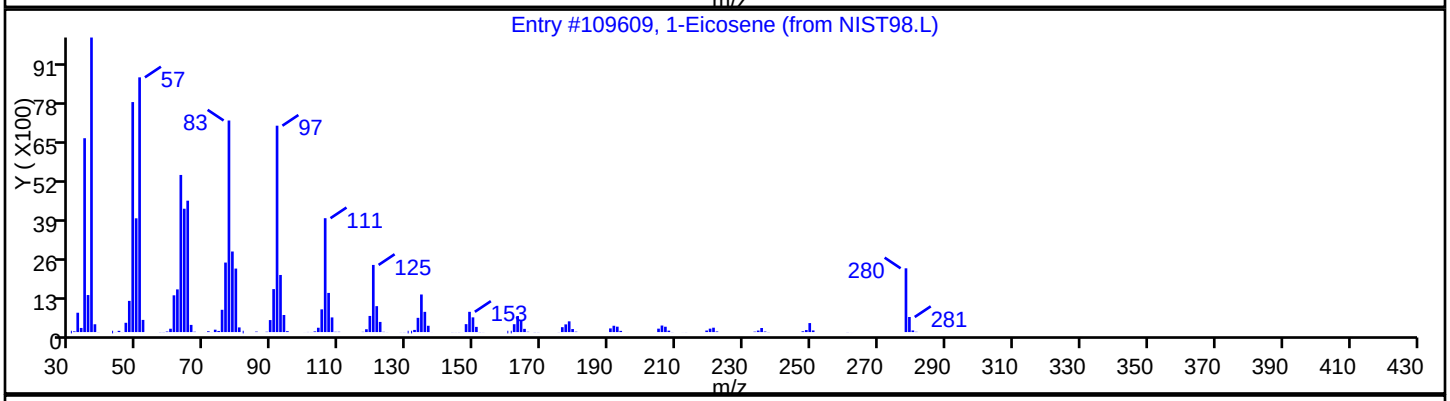
Client ID: OC-SB-464-5.0/7.0-XXX Instrument: Inst. B

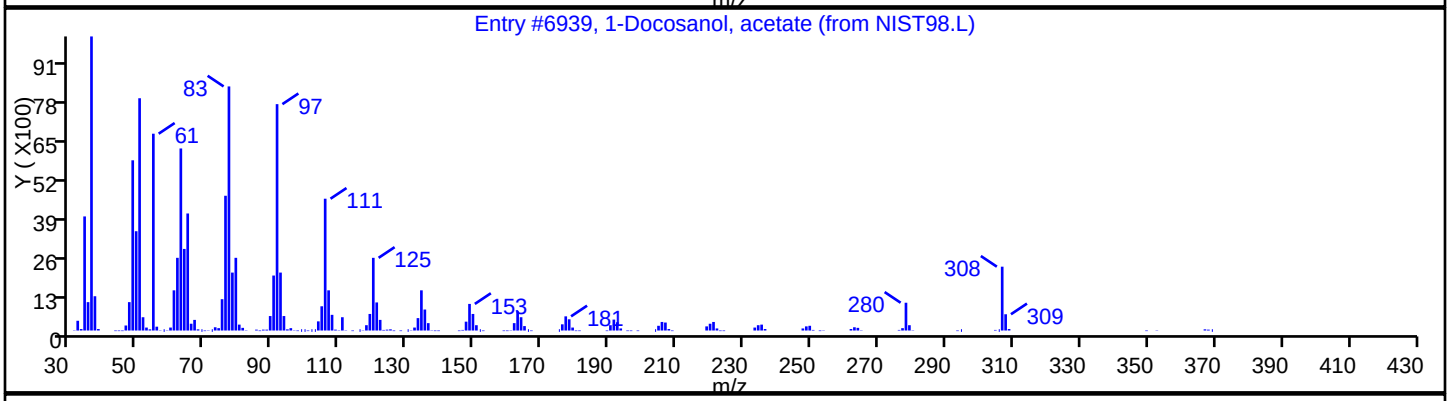
Sample Info: 360-24417-a-6-d

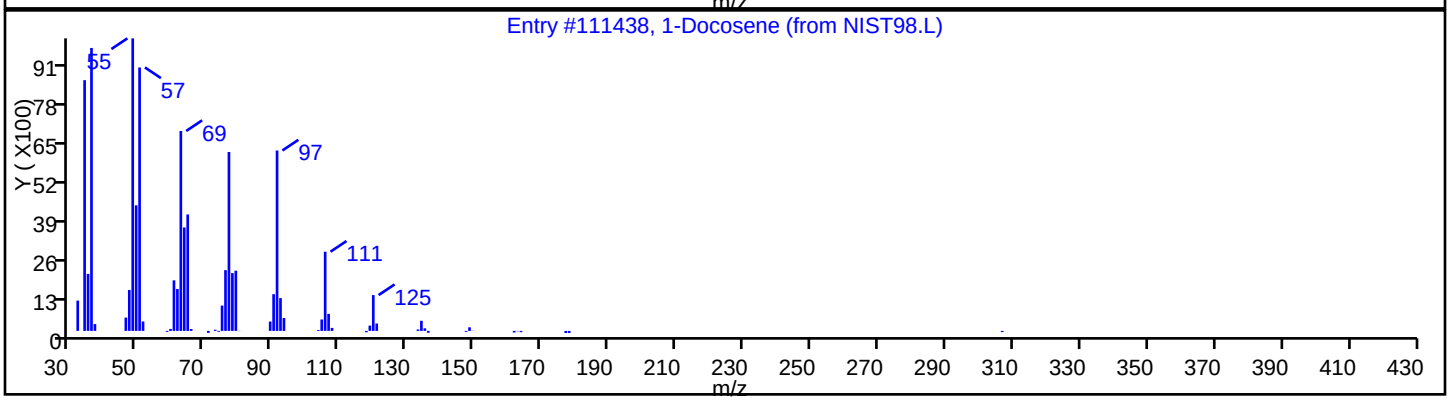
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Eicosene	3452-7-1	NIST98.L	109609	97
1-Docosanol, acetate	822-26-4	NIST98.L	6939	95
1-Docosene	1599-67-3	NIST98.L	111438	94









Report Date: 23-Sep-2009 13:13:38 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10471.D

Inj Date: 22-Sep-2009 08:58:30 Limit Group: SMS - 8270LL SVOA Calibration

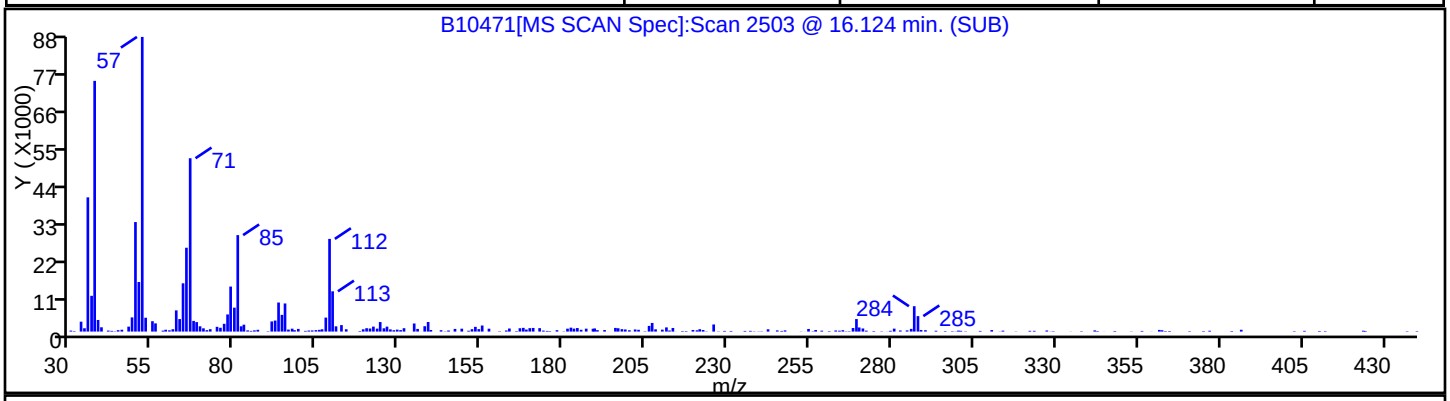
Lims Batch ID: 49266 Lims Sample ID: 34

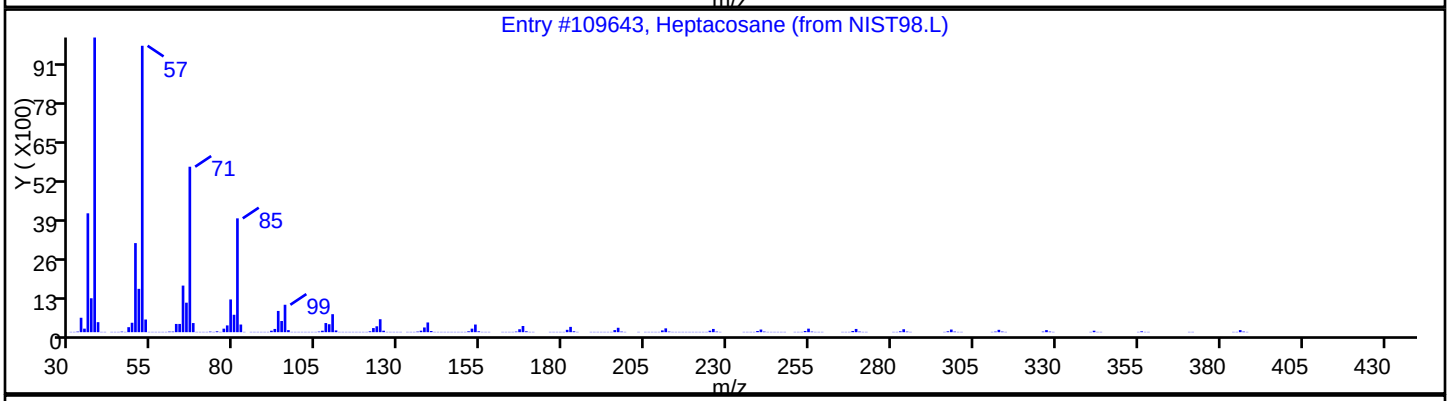
Client ID: OC-SB-464-5.0/7.0-XXX Instrument: Inst. B

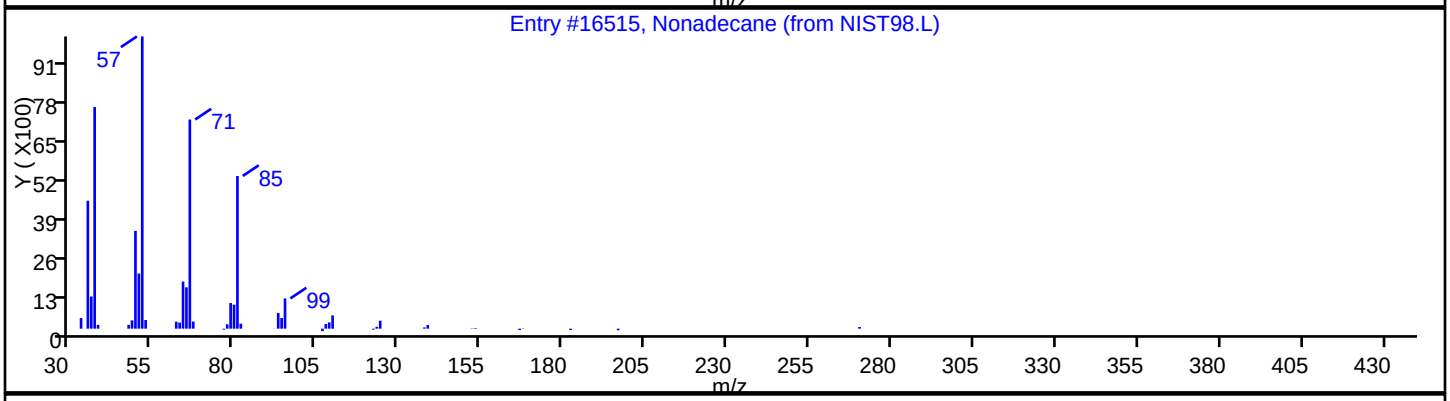
Sample Info: 360-24417-a-6-d

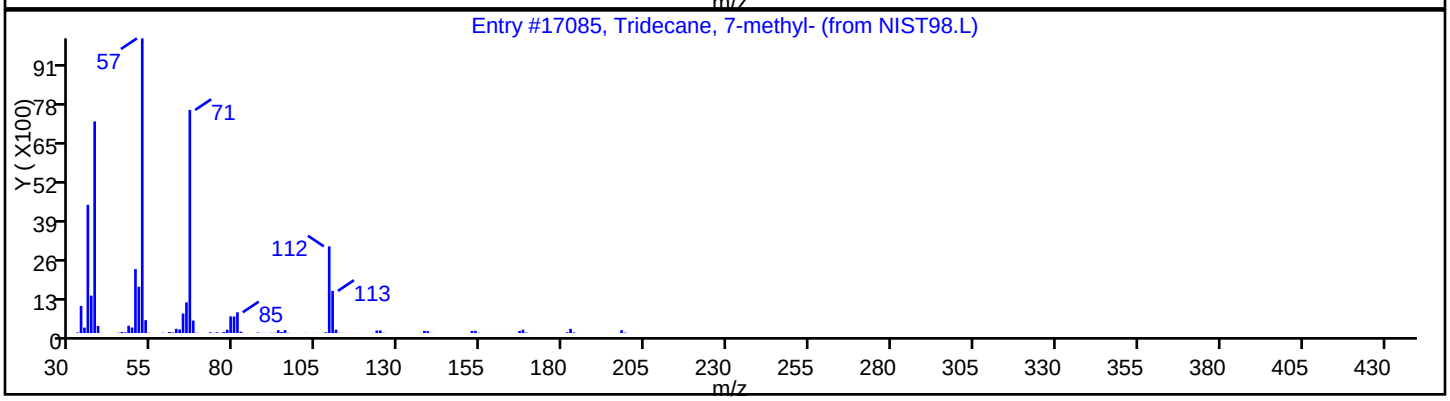
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptacosane	593-49-7	NIST98.L	109643	98
Nonadecane	629-92-5	NIST98.L	16515	91
Tridecane, 7-methyl-	26730-14-3	NIST98.L	17085	91









Report Date: 23-Sep-2009 13:13:38 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10471.D

Inj Date: 22-Sep-2009 08:58:30 Limit Group: SMS - 8270LL SVOA Calibration

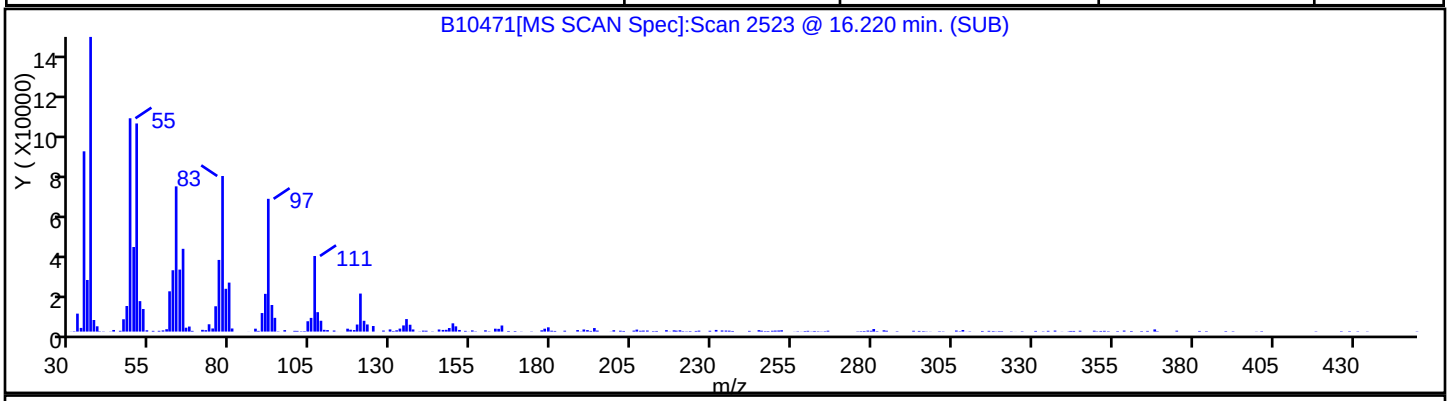
Lims Batch ID: 49266 Lims Sample ID: 34

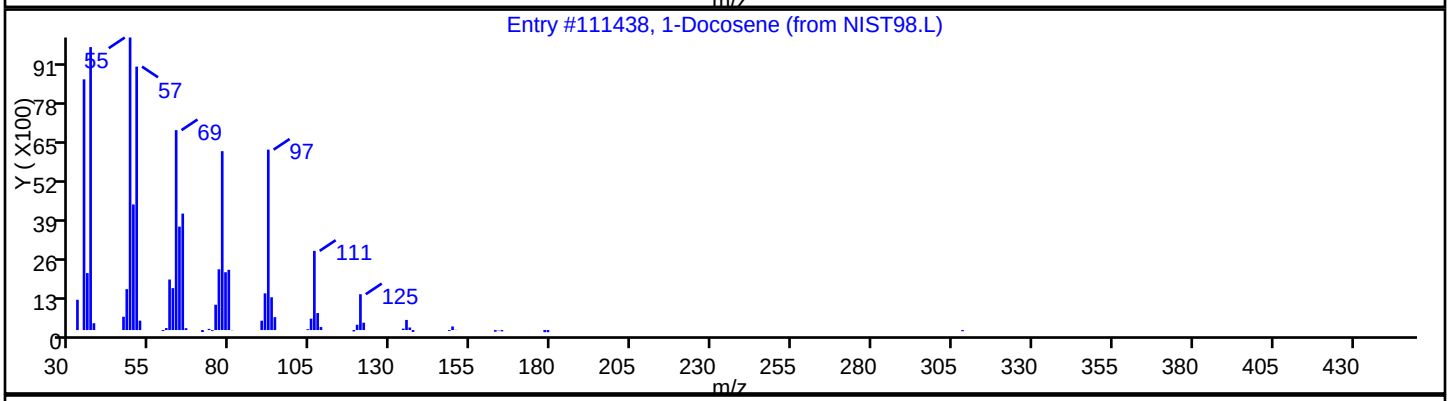
Client ID: OC-SB-464-5.0/7.0-XXX Instrument: Inst. B

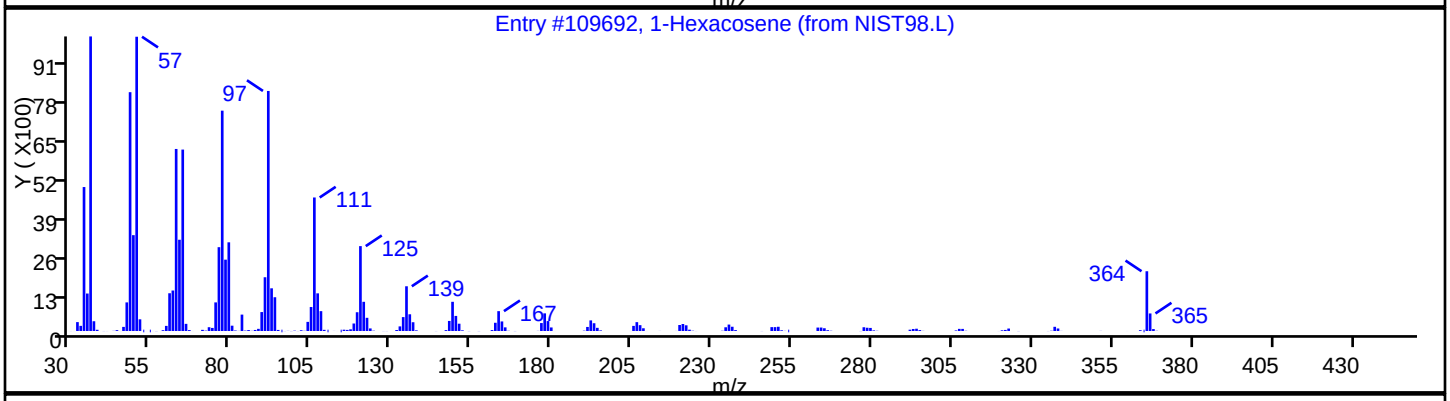
Sample Info: 360-24417-a-6-d

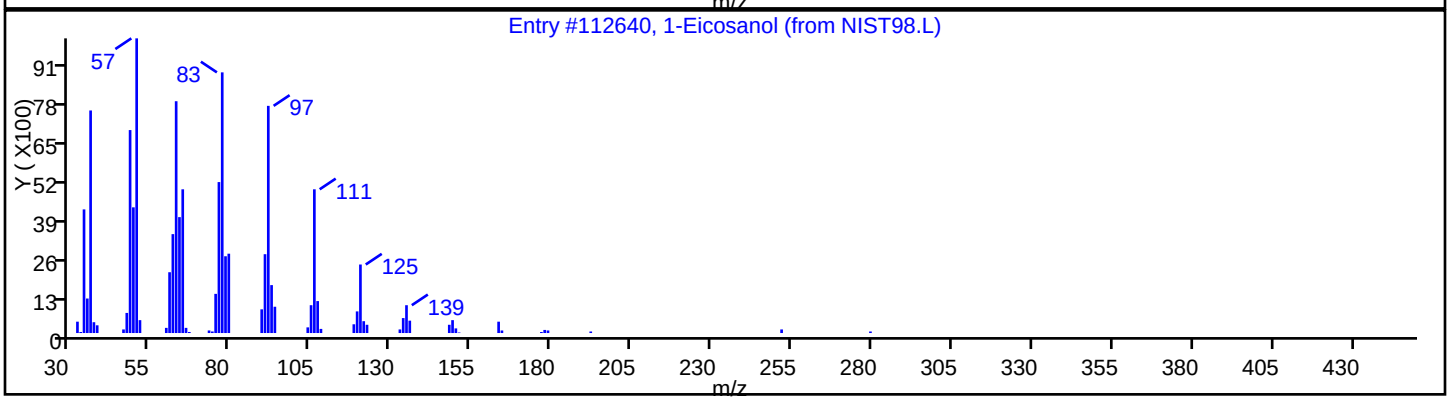
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Docosene	1599-67-3	NIST98.L	111438	98
1-Hexacosene	18835-33-1	NIST98.L	109692	95
1-Eicosanol	629-96-9	NIST98.L	112640	94









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-0.0/1.0-XXX | Lab Sample ID: 360-24417-7

Matrix: Solid | Lab File ID: J02929.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:35

Extract. Method: 3550B | Date Extracted: 09/10/2009 12:11

Sample wt/vol: 100.07(g) | Date Analyzed: 09/12/2009 17:49

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

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

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	ND		5.3	1.2

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	85	30-130	
321-60-8	2-Fluorobiphenyl	68	30-130	
367-12-4	2-Fluorophenol	69	30-130	
4165-60-0	Nitrobenzene-d5	69	30-130	
4165-62-2	Phenol-d5	76	30-130	
1718-51-0	Terphenyl-d14	78	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02929.D		
Lims ID:	360-24417-A-7-B	Client ID:	OC-SB-465-0.0/1.0-XXX
Inject. Date:	12-Sep-2009 17:49:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24417-7		
Misc. Info.:	360-0001151-015		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	48876	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\8270NDMA.m		
Last Update:	12-Sep-2009 13:42:52	Calib Date:	10-Sep-2009 20:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02891.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	13-Sep-2009 07:33:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.011	5.009	0.002	226745	2.00	
* 2 Naphthalene-d8	136	6.232	6.230	0.002	570059	2.00	
* 3 Acenaphthene-d10	164	7.954	7.957	-0.003	292043	2.00	
* 4 Phenanthrene-d10	188	9.420	9.423	-0.003	496290	2.00	
* 5 Chrysene-d12	240	12.056	12.054	0.002	320194	2.00	
* 6 Perylene-d12	264	13.498	13.491	0.007	199890	2.00	
$ 7 2-Fluorophenol	112	3.780	3.773	0.007	508273	6.90	
$ 8 Phenol-d5	99	4.664	4.663	0.001	685559	7.64	
$ 9 Nitrobenzene-d5	82	5.540	5.538	0.002	296089	3.44	
$ 10 2-Fluorobiphenyl	172	7.290	7.293	-0.003	654229	3.42	
$ 11 2,4,6-Tribromophenol	330	8.737	8.736	0.001	159829	8.48	
$ 12 Terphenyl-d14	244	11.002	11.001	0.001	554822	3.91	
24 Benzyl alcohol	79	5.376	5.393	-0.017	2415		
26 2-Methylphenol	108	5.395	5.393	0.002	768	0.0107	
17 Benzaldehyde	94	5.540	5.557	-0.017	647		
30 Acetophenone	105	5.713	5.720	-0.007	124		
20 Bis(2-chloroethyl)ether	93	5.852	5.836	0.016	780		
27 2,2'-oxybis[1-chloropropane]	45	6.078	6.076	0.002	155		
23 1,3-Dichlorobenzene	146	6.174	6.177	-0.003	256		
22 1,4-Dichlorobenzene	146	6.174	6.177	-0.003	256		
32 Nitrobenzene	77	6.174	6.177	-0.003	238		
35 2,4-Dimethylphenol	107	6.174	6.177	-0.003	134		
29 N-Nitrosodi-n-propylamine	70	6.280	6.264	0.016	1143		
18 Phenol	94	6.261	6.264	-0.003	55		
36 Benzoic acid	105	6.261	6.264	-0.003	76		
37 Bis(2-chloroethoxy)methane	93	6.256	6.264	-0.008	1141		
28 3 & 4 Methylphenol	108	6.338	6.317	0.021	390		
19 Aniline	93	6.362	6.365	-0.003	86		
39 1,2,4-Trichlorobenzene	180	6.376	6.374	0.002	49		
41 Naphthalene	128	6.646	6.648	-0.002	77		
42 4-Chloroaniline	127	6.694	6.701	-0.007	236		

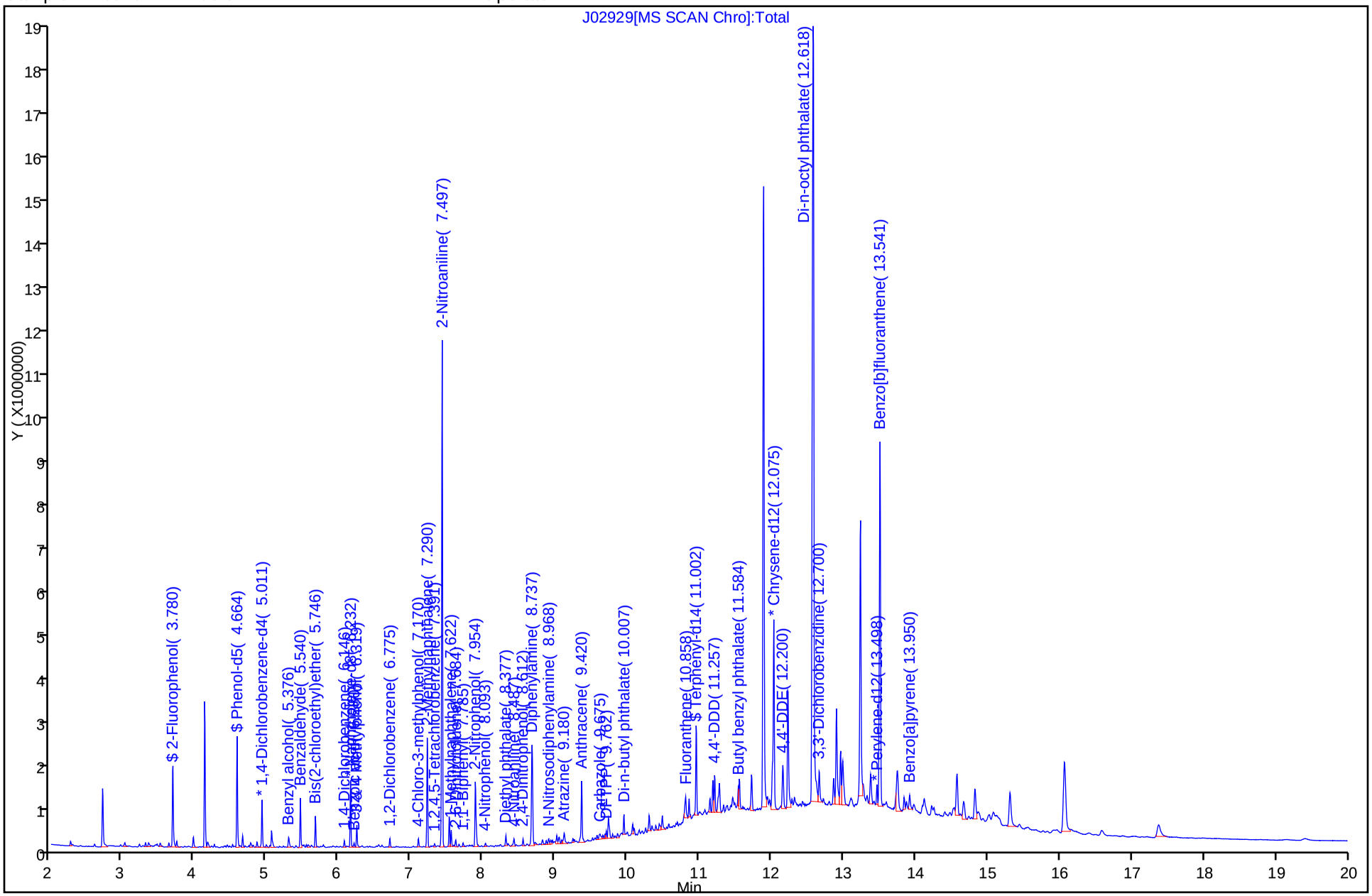
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
25 1,2-Dichlorobenzene	146	6.780	6.788	-0.008	155		
45 4-Chloro-3-methylphenol	107	7.006	6.990	0.016	78		
46 2-Methylnaphthalene	142	7.252	7.221	0.031	76		
44 Caprolactam	55	7.314	7.298	0.016	565	0.4184	
49 1,2,4,5-Tetrachlorobenzene	216	7.377	7.375	0.002	1131	22.2	
53 2-Chloronaphthalene	162	7.367	7.432	-0.065	893	0.0122	
55 2-Nitroaniline	65	7.516	7.514	0.002	390	0.0149	
47 1-Methylnaphthalene	142	7.622	7.610	0.012	1515	74.4	
56 Dimethyl phthalate	163	7.689	7.692	-0.003	2506	0.0138	
57 2,6-Dinitrotoluene	165	7.728	7.755	-0.027	4325	0.1467	
54 Phenyl ether	170	7.819	7.807	0.012	75	0.6813	
58 Acenaphthylene	152	7.814	7.817	-0.003	2575	0.0108	
52 1,1'-Biphenyl	154	7.843	7.817	0.026	40	0.0240	
33 Isophorone	82	7.910	7.908	0.002	335	0.0200	
59 3-Nitroaniline	138	7.925	7.918	0.007	246	0.0520	
34 2-Nitrophenol	139	7.963	7.961	0.002	32	0.0127	
62 4-Nitrophenol	109	8.093	8.086	0.007	159	0.2973	
63 2,4-Dinitrotoluene	165	8.156	8.154	0.002	175	0.1270	
64 Dibenzofuran	168	8.160	8.240	-0.080	3524	0.0155	
66 Diethyl phthalate	149	8.386	8.389	-0.003	16562	0.0896	
13 Benzophenone	105	8.531	8.519	0.012	177	0.1920	
68 4-Nitroaniline	138	8.516	8.519	-0.003	339	0.0895	
70 4,6-Dinitro-2-methylphenol	198	8.564	8.558	0.006	40	0.3632	
74 Azobenzene	77	8.665	8.654	0.011	4798	0.0167	
60 2,4-Dinitrophenol	184	8.670	8.668	0.002	123	0.1592	
71 Diphenylamine	169	8.733	8.736	-0.003	7326	8.16	
72 N-Nitrosodiphenylamine	169	8.978	8.981	-0.003	328	0.0514	
77 Atrazine	200	9.170	9.164	0.006	40	0.001735	7
80 Phenanthrene	178	9.444	9.447	-0.003	12051		
81 Anthracene	178	9.444	9.447	-0.003	12051		
83 Carbazole	167	9.661	9.659	0.002	2169		
82 DFTPP	198	9.752	9.723	0.029	521		
84 Di-n-butyl phthalate	149	10.007	10.005	0.002	228727		
85 Pyrene	202	10.623	10.625	-0.003	35379		
87 Fluoranthene	202	10.743	10.746	-0.003	105		
88 4,4'-DDD	235	11.286	11.286	0.000	1033		
89 Butyl benzyl phthalate	149	11.488	11.486	0.002	11927		
93 Benzo[a]anthracene	228	12.046	12.044	0.002	18652		
94 Chrysene	228	12.046	12.044	0.002	20220		
92 Bis(2-ethylhexyl) phthalate	149	12.075	12.073	0.002	1257138		
96 4,4'-DDE	246	12.195	12.176	0.019	130		
95 Di-n-octyl phthalate	149	12.618	12.607	0.011	6510		
91 3,3'-Dichlorobenzidine	252	12.705	12.678	0.027	1566		
97 Benzo[b]fluoranthene	252	13.541	13.439	0.102	89135		
98 Benzo[k]fluoranthene	252	13.541	13.439	0.102	89135		
99 Benzo[a]pyrene	252	14.277	14.266	0.011	243		

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Sep-2009 07:33:05 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02929.D		
Inj Date:	12-Sep-2009 17:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48876	Lims Sample ID:	15
Client ID:	OC-SB-465-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	24417-7		
Sample Amount:	1.00 uL	Operator:	



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-0.0/1.0-XXX | Lab Sample ID: 360-24417-7

Matrix: Solid | Lab File ID: J03058.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:35

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

Sample wt/vol: 30.13(g) | Date Analyzed: 09/21/2009 23:30

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

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

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		35	10
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		35	10
120-82-1	1,2,4-Trichlorobenzene	ND		35	10
95-50-1	1,2-Dichlorobenzene	ND		35	10
541-73-1	1,3-Dichlorobenzene	ND		35	10
106-46-7	1,4-Dichlorobenzene	ND		35	10
90-12-0	1-Methylnaphthalene	ND		35	10
108-60-1	2,2'-oxybis[1-chloropropane]	ND		35	10
58-90-2	2,3,4,6-Tetrachlorophenol	ND		35	10
95-95-4	2,4,5-Trichlorophenol	ND		35	10
88-06-2	2,4,6-Trichlorophenol	ND		35	10
120-83-2	2,4-Dichlorophenol	ND		35	10
105-67-9	2,4-Dimethylphenol	ND		35	14
51-28-5	2,4-Dinitrophenol	ND		35	10
121-14-2	2,4-Dinitrotoluene	ND		35	10
606-20-2	2,6-Dinitrotoluene	ND		35	10
91-58-7	2-Chloronaphthalene	ND		35	10
95-57-8	2-Chlorophenol	ND		35	10
91-57-6	2-Methylnaphthalene	ND		35	10
95-48-7	2-Methylphenol	ND		35	21
88-74-4	2-Nitroaniline	ND		170	10
88-75-5	2-Nitrophenol	ND		35	10
15831-10-4	3 & 4 Methylphenol	ND		35	10
91-94-1	3,3'-Dichlorobenzidine	ND		70	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		35	10
59-50-7	4-Chloro-3-methylphenol	ND		70	10
106-47-8	4-Chloroaniline	ND		70	10
7005-72-3	4-Chlorophenyl phenyl ether	ND		35	10
100-01-6	4-Nitroaniline	ND		170	10
100-02-7	4-Nitrophenol	ND		170	10
83-32-9	Acenaphthene	ND		35	10
208-96-8	Acenaphthylene	ND		35	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID: OC-SB-465-0.0/1.0-XXX | Lab Sample ID: 360-24417-7
Matrix: Solid | Lab File ID: J03058.D
Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:35
Extract. Method: 3546 | Date Extracted: 09/14/2009 13:00
Sample wt/vol: 30.13(g) | Date Analyzed: 09/21/2009 23:30
Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1
Injection Volume: 1.0(uL) | Level: (low/med) Low
% Moisture: 5.0 | GPC Cleanup:(Y/N) N
Analysis Batch No.: 49260 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		35	10
62-53-3	Aniline	ND	*	35	10
120-12-7	Anthracene	ND		35	10
1912-24-9	Atrazine	ND		35	10
103-33-3	Azobenzene	ND		35	10
100-52-7	Benzaldehyde	ND		35	10
56-55-3	Benzo[a]anthracene	ND		35	10
50-32-8	Benzo[a]pyrene	ND		35	10
205-99-2	Benzo[b]fluoranthene	ND		35	10
191-24-2	Benzo[g,h,i]perylene	ND		35	10
207-08-9	Benzo[k]fluoranthene	ND		35	10
65-85-0	Benzoic acid	ND		170	16
119-61-9	Benzophenone	ND		35	10
100-51-6	Benzyl alcohol	ND		70	30
111-91-1	Bis(2-chloroethoxy)methane	ND		35	10
111-44-4	Bis(2-chloroethyl)ether	ND		35	10
117-81-7	Bis(2-ethylhexyl) phthalate	110	B	35	10
85-68-7	Butyl benzyl phthalate	ND		35	10
105-60-2	Caprolactam	ND		35	10
86-74-8	Carbazole	ND		35	10
218-01-9	Chrysene	ND		35	10
53-70-3	Dibenz(a,h)anthracene	ND		35	10
132-64-9	Dibenzofuran	ND		35	10
84-66-2	Diethyl phthalate	ND		35	10
131-11-3	Dimethyl phthalate	ND		35	10
84-74-2	Di-n-butyl phthalate	ND		35	31
117-84-0	Di-n-octyl phthalate	ND		35	18
101-84-8	Diphenyl oxide	260		35	10
122-39-4	Diphenylamine	ND		35	10
206-44-0	Fluoranthene	ND		35	10
86-73-7	Fluorene	ND		35	10
118-74-1	Hexachlorobenzene	ND		35	10
87-68-3	Hexachlorobutadiene	ND		35	10
77-47-4	Hexachlorocyclopentadiene	ND		70	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-0.0/1.0-XXX | Lab Sample ID: 360-24417-7

Matrix: Solid | Lab File ID: J03058.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:35

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

Sample wt/vol: 30.13(g) | Date Analyzed: 09/21/2009 23:30

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

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

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	ND		35	10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		35	10
78-59-1	Isophorone	ND		35	10
91-20-3	Naphthalene	ND		84	10
98-95-3	Nitrobenzene	ND		35	10
62-75-9	N-Nitrosodimethylamine	ND		35	12
621-64-7	N-Nitrosodi-n-propylamine	ND		35	10
86-30-6	N-Nitrosodiphenylamine	ND		35	10
87-86-5	Pentachlorophenol	ND		35	10
85-01-8	Phenanthrene	ND		42	10
108-95-2	Phenol	ND		35	10
129-00-0	Pyrene	ND		35	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	64	30-130	
367-12-4	2-Fluorophenol	69	30-130	
321-60-8	2-Fluorobiphenyl	63	30-130	
4165-60-0	Nitrobenzene-d5	61	30-130	
4165-62-2	Phenol-d5	71	30-130	
1718-51-0	Terphenyl-d14	70	30-130	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-0.0/1.0-XXX Lab Sample ID: 360-24417-7

Matrix: Solid Lab File ID: J03058.D

Analysis Method: 8270C LL Date Collected: 09/02/2009 07:35

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

Sample wt/vol: 30.13(g) Date Analyzed: 09/21/2009 23:30

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

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

% Moisture: 5.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 49260 Units: ug/Kg

Number TICs Found: 3 TIC Result Total: 299

CAS NO.	COMPOUND NAME	RT	RESULT	Q
92-87-5	Benzidine	12.16	19	J
629-96-9	1-Eicosanol	14.00	140	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	14.82	140	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03058.D		
Lims ID:	360-24417-A-7-D	Client ID:	OC-SB-465-0.0/1.0-XXX
Inject. Date:	21-Sep-2009 23:30:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-7-d		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	49260	Lims Sample ID:	20
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:16:55	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 15:16:55

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.297	6.302	-0.005	68749	2.00	
* 2 Naphthalene-d8	136	7.639	7.643	-0.004	172584	2.00	
* 3 Acenaphthene-d10	164	9.365	9.370	-0.005	82368	2.00	
* 4 Phenanthrene-d10	188	10.803	10.808	-0.005	131462	2.00	
* 5 Chrysene-d12	240	13.371	13.371	0.000	93068	2.00	
* 6 Perylene-d12	264	14.708	14.708	0.000	78516	2.00	
$ 7 2-Fluorophenol	112	4.494	4.436	0.058	150395	6.86	
$ 8 Phenol-d5	99	5.970	5.965	0.005	182290	7.12	
$ 9 Nitrobenzene-d5	82	6.917	6.917	0.000	81597	3.04	
$ 10 2-Fluorobiphenyl	172	8.735	8.735	0.000	165863	3.17	
$ 11 2,4,6-Tribromophenol	330	10.139	10.139	0.000	38327	6.39	
$ 12 Terphenyl-d14	244	12.385	12.385	0.000	137609	3.48	
52 1,1'-Biphenyl	154	8.822	8.826	-0.004	527	0.009584	7
54 Phenyl ether	170	8.937	8.937	0.000	230335	7.57	
66 Diethyl phthalate	149	9.846	9.846	0.000	955	0.0192	
71 Diphenylamine	169	10.043	10.043	0.000	1916	0.0490	
72 N-Nitrosodiphenylamine	169	10.043	10.043	0.000	1916	0.0490	
80 Phenanthrene	178	10.827	10.827	0.000	1029	0.0155	
84 Di-n-butyl phthalate	149	11.447	11.447	0.000	20187	0.3089	
87 Fluoranthene	202	11.981	11.981	0.000	2129	0.0403	
85 Pyrene	202	12.193	12.193	0.000	2023	0.0319	
89 Butyl benzyl phthalate	149	12.895	12.895	0.000	1329	0.1618	
94 Chrysene	228	13.395	13.395	0.000	3124	0.0152	
92 Bis(2-ethylhexyl) phthalate	149	13.477	13.481	-0.004	134543	3.03	
97 Benzo[b]fluoranthene	252	14.366	14.366	0.000	4021	0.0835	
98 Benzo[k]fluoranthene	252	14.390	14.390	0.000	3258	0.0724	M
99 Benzo[a]pyrene	252	14.655	14.659	-0.004	3309	0.2094	
100 Indeno[1,2,3-cd]pyrene	276	15.616	15.616	0.000	1977	0.1595	

Report Date: 23-Sep-2009 15:16:56 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03058.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
102 Benzo[g,h,i]perylene	276	15.818	15.818	0.000	2045	0.0821	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03058.D		
Lims ID:	360-24417-A-7-D	Client ID:	OC-SB-465-0.0/1.0-XXX
Inject. Date:	21-Sep-2009 23:30:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-7-d		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	49260	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:16:55	Calib Date:	21-Sep-2009 18:59:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 15:16:55

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

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Benzidine	12.159	44	0.5323	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
629-96-9 1-Eicosanol						
13.996	2635603	3.95	5	95	112640	
26603-23-6 p,p'-Dioctyldiphenylamine						
14.823	746098	3.91	6	98	101420	

Quantitation Compounds

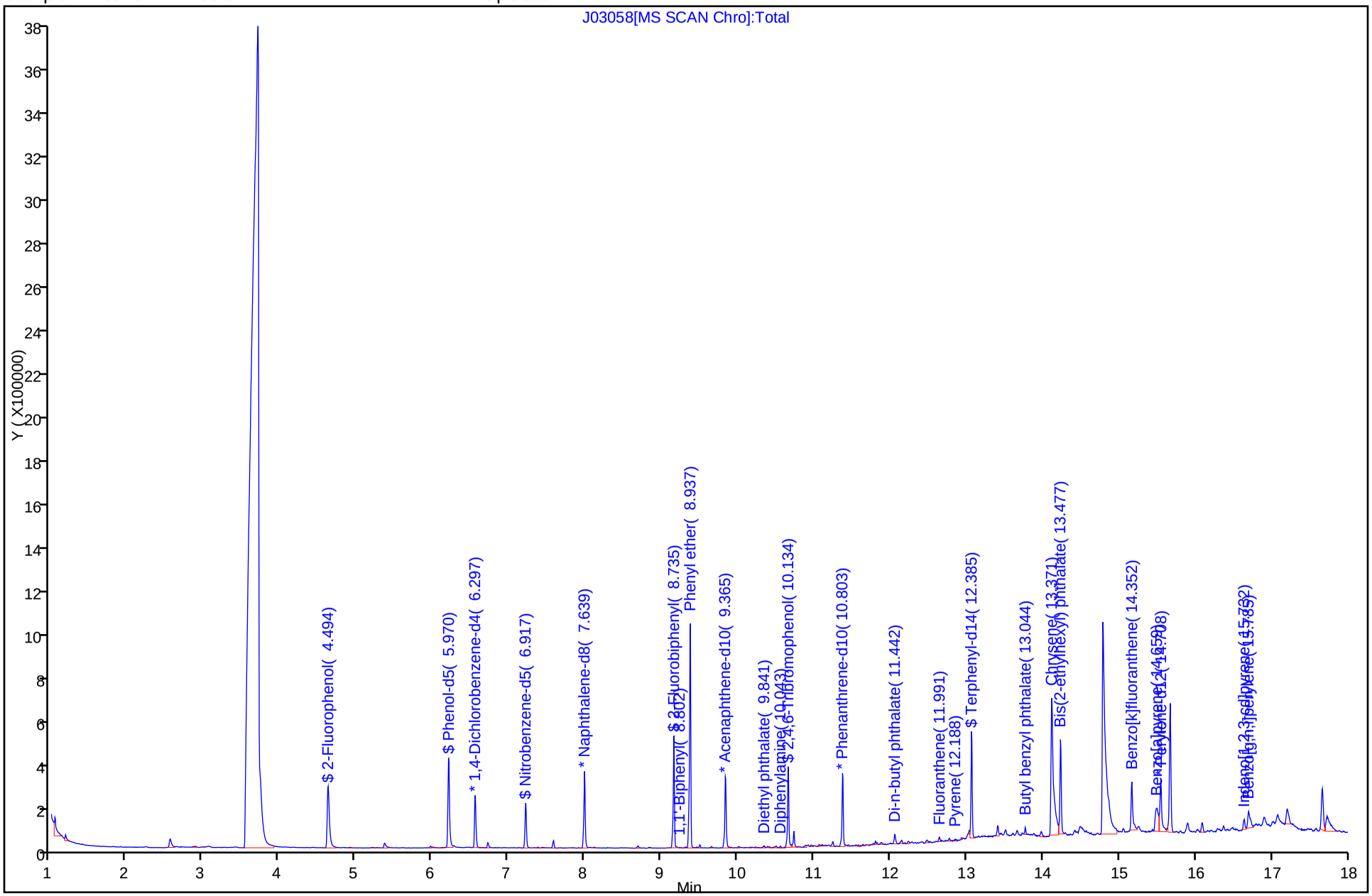
Compound	RT	Response	Amount ug/mL
* 5 Chrysene-d12	13.371	1335383	2.00
* 6 Perylene-d12	14.708	381407	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 15:16:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

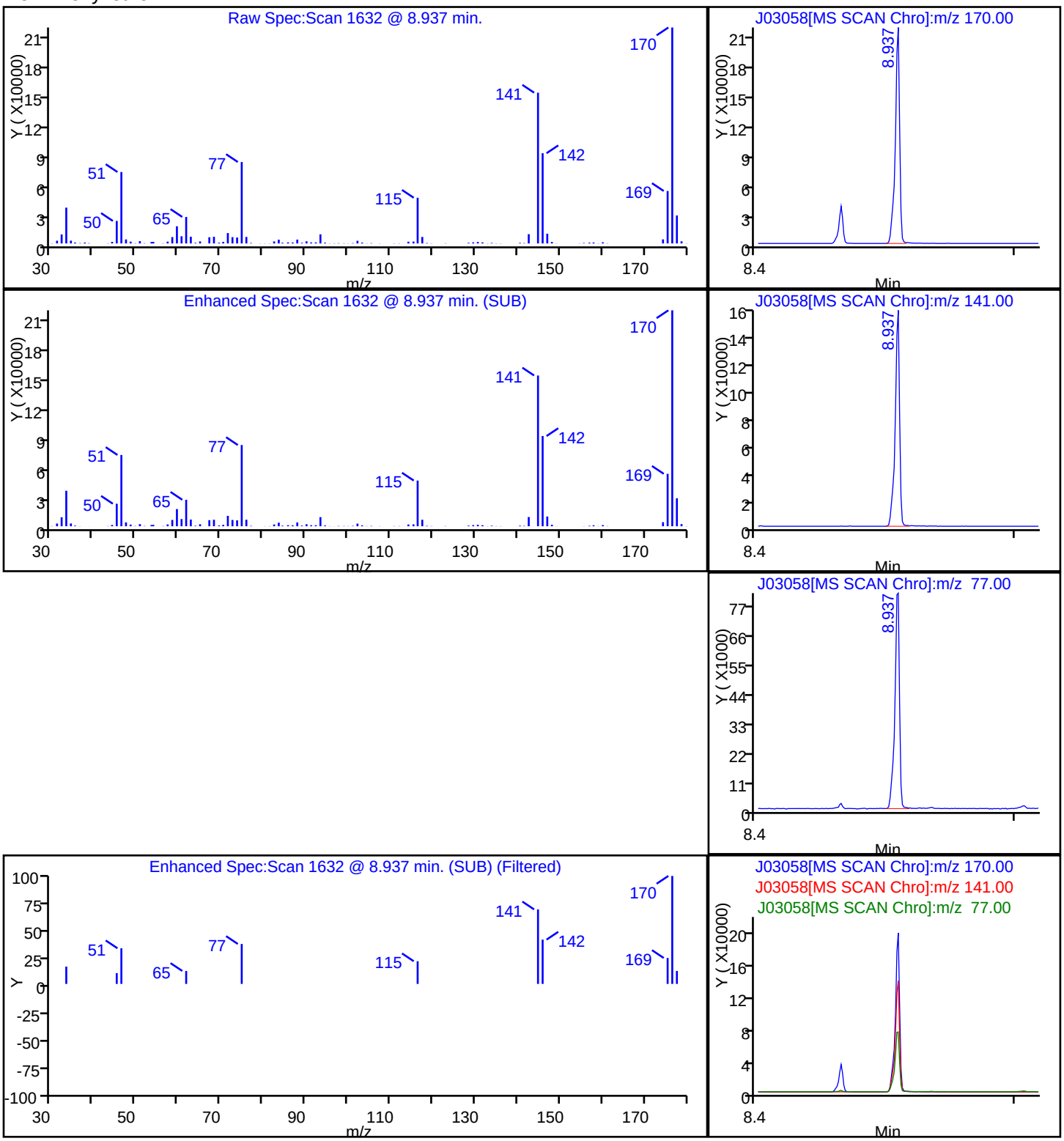
Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03058.D		
Inj Date:	21-Sep-2009 23:30:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	20
Client ID:	OC-SB-465-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24417-a-7-d		
Sample Amount:	1.00 ul	Operator:	



Report Date: 23-Sep-2009 15:16:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03058.D		
Inj Date:	21-Sep-2009 23:30:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	20
Client ID:	OC-SB-465-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24417-a-7-d		
Sample Amount:	1.00 ul	Operator:	

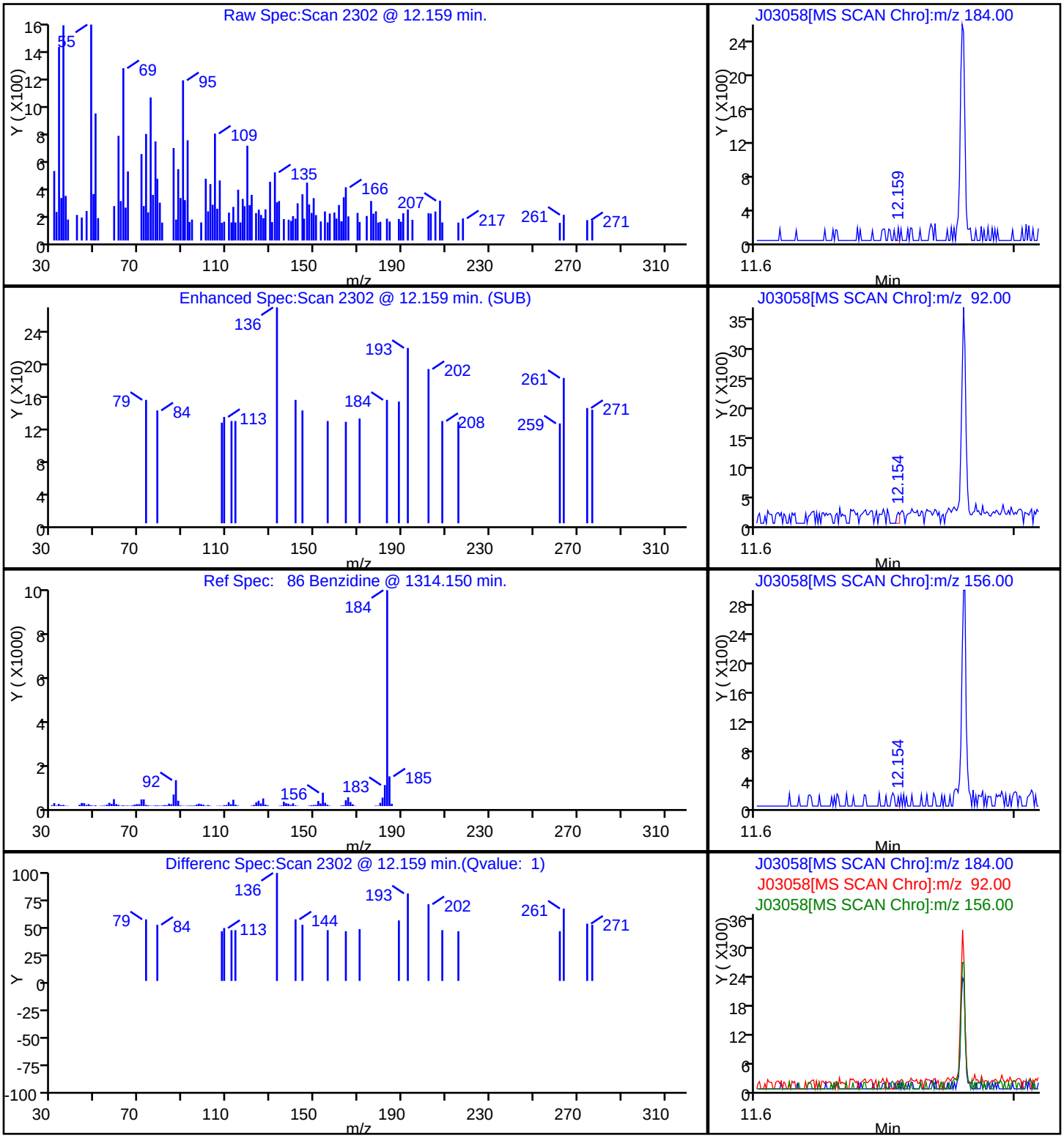
54 Phenyl ether



Report Date: 23-Sep-2009 15:16:58 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03058.D		
Inj Date:	21-Sep-2009 23:30:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	20
Client ID:	OC-SB-465-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	360-24417-a-7-d		
Sample Amount:	1.00 ul	Operator:	

86 Benzidine



Report Date: 23-Sep-2009 15:16:58 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03058.D

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

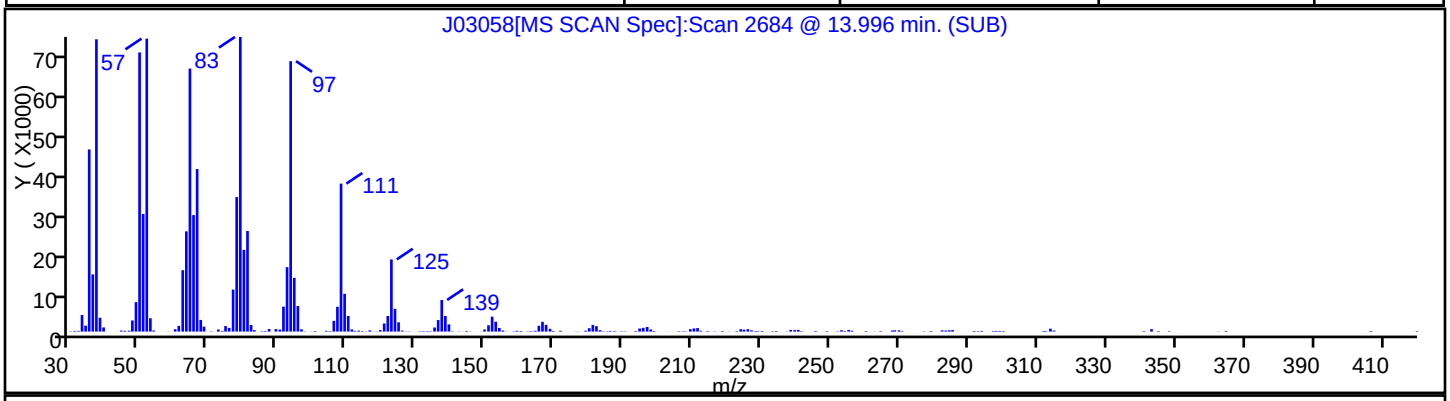
Lims Batch ID: 49260 Lims Sample ID: 20

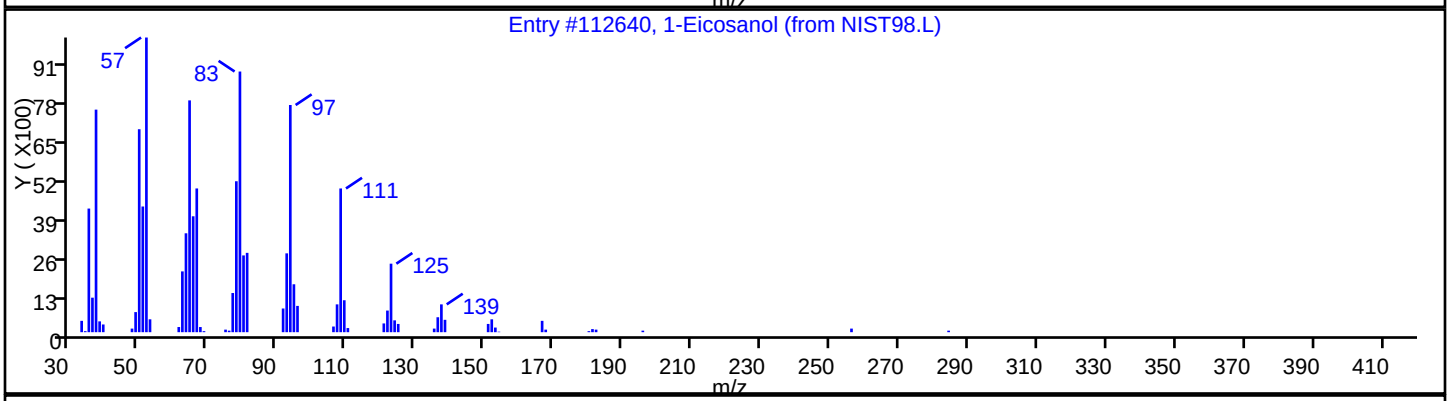
Client ID: OC-SB-465-0.0/1.0-XXX Instrument: Inst. J

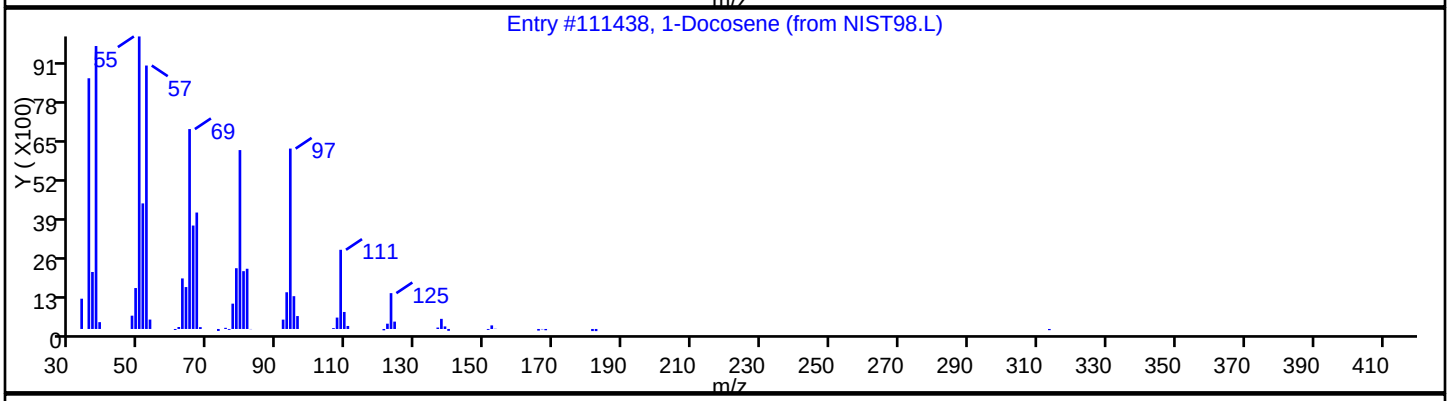
Sample Info: 360-24417-a-7-d

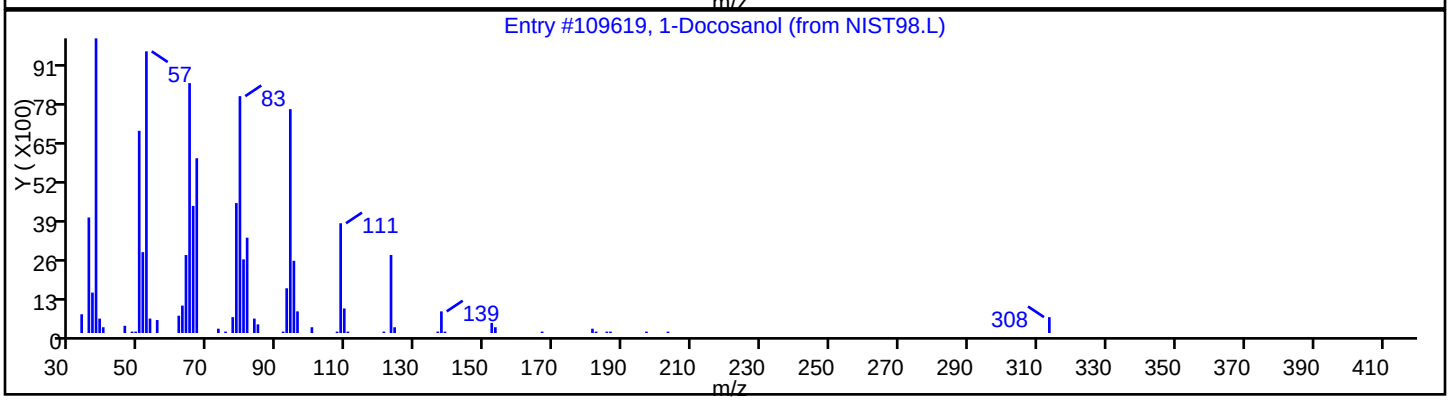
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Eicosanol	629-96-9	NIST98.L	112640	95
1-Docosene	1599-67-3	NIST98.L	111438	95
1-Docosanol	661-19-8	NIST98.L	109619	94









Report Date: 23-Sep-2009 15:16:58 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03058.D

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

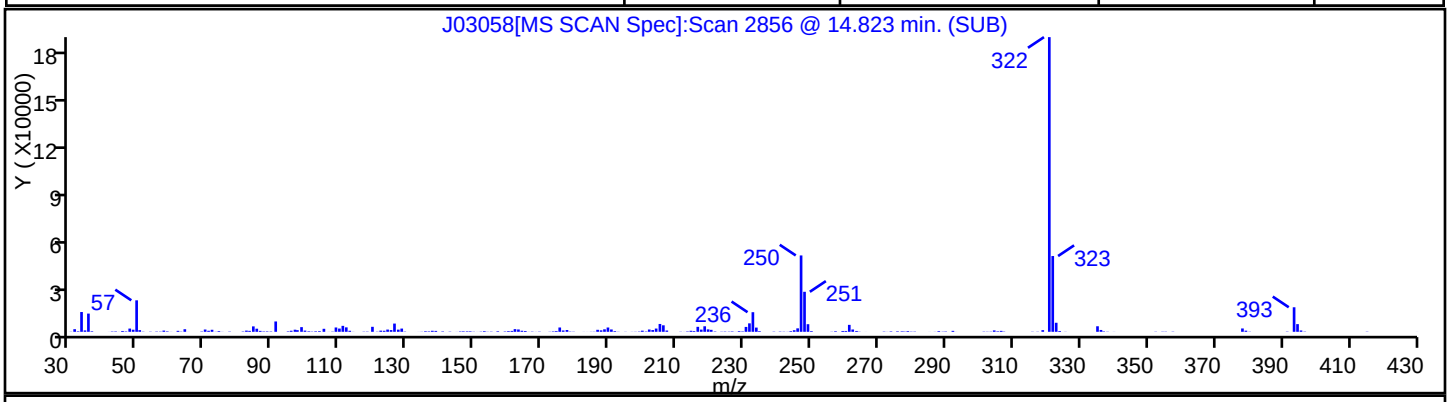
Lims Batch ID: 49260 Lims Sample ID: 20

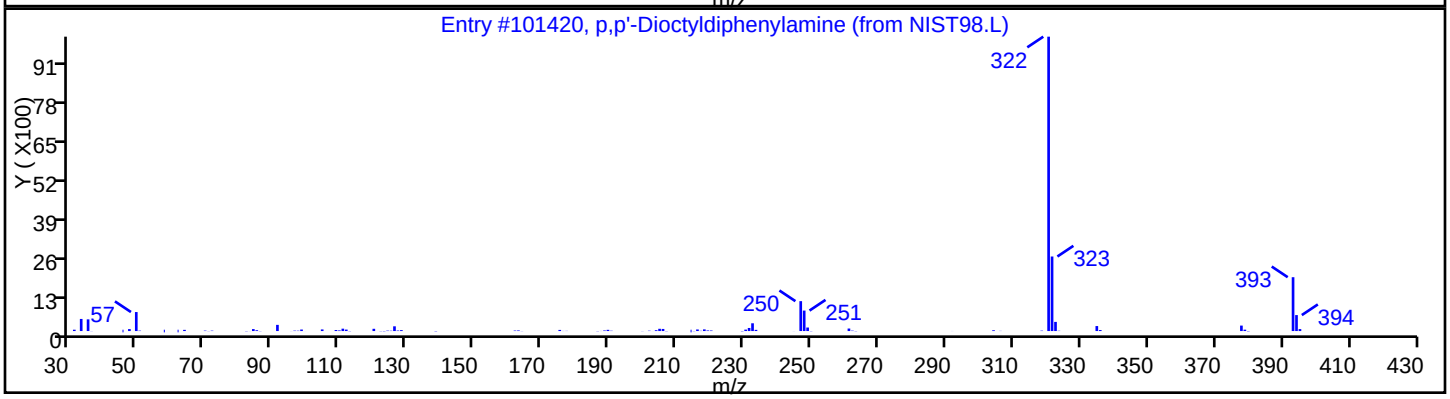
Client ID: OC-SB-465-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 360-24417-a-7-d

Sample Amount: 1.00 ul Operator:

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





FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-DUP | Lab Sample ID: 360-24417-9

Matrix: Solid | Lab File ID: J02931.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

Extract. Method: 3550B | Date Extracted: 09/10/2009 12:11

Sample wt/vol: 100.33(g) | Date Analyzed: 09/12/2009 18:50

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

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

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	ND		5.6	1.3

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	76	30-130	
321-60-8	2-Fluorobiphenyl	62	30-130	
367-12-4	2-Fluorophenol	62	30-130	
4165-60-0	Nitrobenzene-d5	62	30-130	
4165-62-2	Phenol-d5	68	30-130	
1718-51-0	Terphenyl-d14	80	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02931.D		
Lims ID:	360-24417-A-9-B	Client ID:	OC-SB-465-8.0/10-DUP
Inject. Date:	12-Sep-2009 18:50:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24417-9		
Misc. Info.:	360-0001151-017		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	48876	Lims Sample ID:	17
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\8270NDMA.m		
Last Update:	12-Sep-2009 13:42:52	Calib Date:	10-Sep-2009 20:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02891.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

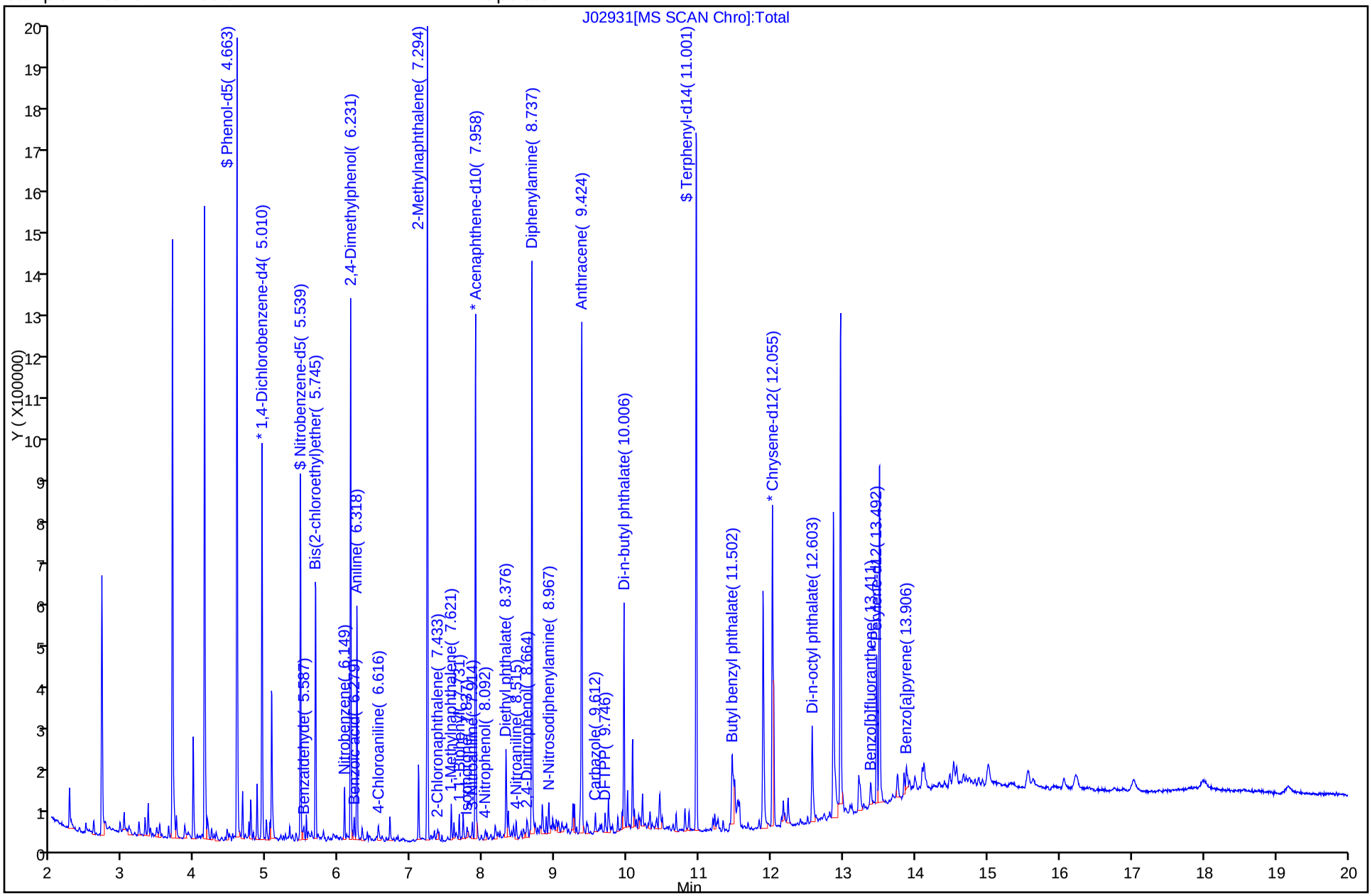
Reviewed By:	rachtank	Date:	13-Sep-2009 07:34:36

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.010	5.009	0.001	197783	2.00	
* 2 Naphthalene-d8	136	6.231	6.230	0.001	488860	2.00	
* 3 Acenaphthene-d10	164	7.958	7.957	0.001	248794	2.00	
* 4 Phenanthrene-d10	188	9.424	9.423	0.001	405868	2.00	
* 5 Chrysene-d12	240	12.055	12.054	0.001	251189	2.00	
* 6 Perylene-d12	264	13.497	13.491	0.006	147108	2.00	
$ 7 2-Fluorophenol	112	3.774	3.773	0.001	395579	6.16	
$ 8 Phenol-d5	99	4.663	4.663	0.000	529056	6.76	
$ 9 Nitrobenzene-d5	82	5.539	5.538	0.001	230302	3.12	
$ 10 2-Fluorobiphenyl	172	7.294	7.293	0.001	508440	3.12	
$ 11 2,4,6-Tribromophenol	330	8.737	8.736	0.001	117031	7.60	
$ 12 Terphenyl-d14	244	11.006	11.001	0.005	444628	4.00	
24 Benzyl alcohol	79	5.390	5.393	-0.003	290		
17 Benzaldehyde	94	5.568	5.557	0.011	76		
30 Acetophenone	105	5.717	5.720	-0.003	128		
20 Bis(2-chloroethyl)ether	93	5.818	5.836	-0.018	89		
27 2,2'-oxybis[1-chloropropane]	45	6.072	6.076	-0.004	102		
32 Nitrobenzene	77	6.183	6.177	0.006	188		
35 2,4-Dimethylphenol	107	6.236	6.177	0.059	3367		
29 N-Nitrosodi-n-propylamine	70	6.279	6.264	0.015	1365		
18 Phenol	94	6.265	6.264	0.001	146		
36 Benzoic acid	105	6.265	6.264	0.001	178		
37 Bis(2-chloroethoxy)methane	93	6.294	6.264	0.030	80		
28 3 & 4 Methylphenol	108	6.342	6.317	0.025	239		
19 Aniline	93	6.347	6.365	-0.018	219		
39 1,2,4-Trichlorobenzene	180	6.395	6.374	0.021	391		
41 Naphthalene	128	6.625	6.648	-0.023	40		
42 4-Chloroaniline	127	6.645	6.701	-0.056	102		
46 2-Methylnaphthalene	142	7.251	7.221	0.030	40		
44 Caprolactam	55	7.284	7.298	-0.014	6923	5.98	
49 1,2,4,5-Tetrachlorobenzene	216	7.376	7.375	0.001	376	8.61	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
53 2-Chloronaphthalene	162	7.366	7.432	-0.066	625	0.0100	
55 2-Nitroaniline	65	7.438	7.514	-0.076	994	0.0446	
47 1-Methylnaphthalene	142	7.621	7.610	0.011	1190	68.2	
57 2,6-Dinitrotoluene	165	7.731	7.755	-0.024	4404	0.1670	
52 1,1'-Biphenyl	154	7.731	7.817	-0.086	124	0.0746	
33 Isophorone	82	7.837	7.908	-0.071	284	0.0198	
59 3-Nitroaniline	138	7.900	7.918	-0.018	78	0.0482	
34 2-Nitrophenol	139	7.958	7.961	-0.003	167	0.0771	
62 4-Nitrophenol	109	8.087	8.086	0.001	356	0.3120	
66 Diethyl phthalate	149	8.386	8.389	-0.003	17646	0.1120	
13 Benzophenone	105	8.515	8.519	-0.004	119	0.1579	
68 4-Nitroaniline	138	8.511	8.519	-0.008	163	0.0859	
60 2,4-Dinitrophenol	184	8.664	8.668	-0.004	88	0.1337	
71 Diphenylamine	169	8.737	8.736	0.001	5524	7.53	
72 N-Nitrosodiphenylamine	169	8.972	8.981	-0.009	108	0.0207	
80 Phenanthrene	178	9.448	9.447	0.001	3132		
81 Anthracene	178	9.448	9.447	0.001	3132		
83 Carbazole	167	9.660	9.659	0.001	415		
82 DFTPP	198	9.751	9.723	0.028	249		
84 Di-n-butyl phthalate	149	10.006	10.005	0.001	247928		
85 Pyrene	202	10.622	10.625	-0.003	3017		
89 Butyl benzyl phthalate	149	11.487	11.486	0.001	10009		
93 Benzo[a]anthracene	228	12.045	12.044	0.001	4004		
94 Chrysene	228	12.045	12.044	0.001	3858		
92 Bis(2-ethylhexyl) phthalate	149	12.074	12.073	0.001	92352		
95 Di-n-octyl phthalate	149	12.627	12.607	0.020	1044		
97 Benzo[b]fluoranthene	252	13.444	13.439	0.005	5750		
98 Benzo[k]fluoranthene	252	13.444	13.439	0.005	5750		
99 Benzo[a]pyrene	252	14.276	14.266	0.010	260		

Report Date: 13-Sep-2009 07:34:37 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02931.D		
Inj Date:	12-Sep-2009 18:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48876	Lims Sample ID:	17
Client ID:	OC-SB-465-8.0/10-DUP	Instrument:	Inst. J
Sample Info:	24417-9		
Sample Amount:	1.00 uL	Operator:	



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-DUP | Lab Sample ID: 360-24417-9

Matrix: Solid | Lab File ID: J03060.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

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

Sample wt/vol: 30.15(g) | Date Analyzed: 09/22/2009 00:24

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

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

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		37	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		37	11
120-82-1	1,2,4-Trichlorobenzene	ND		37	11
95-50-1	1,2-Dichlorobenzene	ND		37	11
541-73-1	1,3-Dichlorobenzene	ND		37	11
106-46-7	1,4-Dichlorobenzene	ND		37	11
90-12-0	1-Methylnaphthalene	ND		37	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		37	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		37	11
95-95-4	2,4,5-Trichlorophenol	ND		37	11
88-06-2	2,4,6-Trichlorophenol	ND		37	11
120-83-2	2,4-Dichlorophenol	ND		37	11
105-67-9	2,4-Dimethylphenol	ND		37	15
51-28-5	2,4-Dinitrophenol	ND		37	11
121-14-2	2,4-Dinitrotoluene	ND		37	11
606-20-2	2,6-Dinitrotoluene	ND		37	11
91-58-7	2-Chloronaphthalene	ND		37	11
95-57-8	2-Chlorophenol	ND		37	11
91-57-6	2-Methylnaphthalene	ND		37	11
95-48-7	2-Methylphenol	ND		37	22
88-74-4	2-Nitroaniline	ND		190	11
88-75-5	2-Nitrophenol	ND		37	11
15831-10-4	3 & 4 Methylphenol	ND		37	11
91-94-1	3,3'-Dichlorobenzidine	ND		75	11
99-09-2	3-Nitroaniline	ND		190	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		190	11
101-55-3	4-Bromophenyl phenyl ether	ND		37	11
59-50-7	4-Chloro-3-methylphenol	ND		75	11
106-47-8	4-Chloroaniline	ND		75	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		37	11
100-01-6	4-Nitroaniline	ND		190	11
100-02-7	4-Nitrophenol	ND		190	11
83-32-9	Acenaphthene	ND		37	11
208-96-8	Acenaphthylene	ND		37	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-DUP | Lab Sample ID: 360-24417-9

Matrix: Solid | Lab File ID: J03060.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

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

Sample wt/vol: 30.15(g) | Date Analyzed: 09/22/2009 00:24

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

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

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		37	11
62-53-3	Aniline	ND		37	11
120-12-7	Anthracene	ND		37	11
1912-24-9	Atrazine	ND		37	11
103-33-3	Azobenzene	ND		37	11
100-52-7	Benzaldehyde	ND		37	11
56-55-3	Benzo[a]anthracene	ND		37	11
50-32-8	Benzo[a]pyrene	ND		37	11
205-99-2	Benzo[b]fluoranthene	ND		37	11
191-24-2	Benzo[g,h,i]perylene	ND		37	11
207-08-9	Benzo[k]fluoranthene	ND		37	11
65-85-0	Benzoic acid	ND		190	17
119-61-9	Benzophenone	ND		37	11
100-51-6	Benzyl alcohol	ND		75	32
111-91-1	Bis(2-chloroethoxy)methane	ND		37	11
111-44-4	Bis(2-chloroethyl)ether	ND		37	11
117-81-7	Bis(2-ethylhexyl) phthalate	48		37	11
85-68-7	Butyl benzyl phthalate	ND		37	11
105-60-2	Caprolactam	ND		37	11
86-74-8	Carbazole	ND		37	11
218-01-9	Chrysene	ND		37	11
53-70-3	Dibenz(a,h)anthracene	ND		37	11
132-64-9	Dibenzofuran	ND		37	11
84-66-2	Diethyl phthalate	ND		37	11
131-11-3	Dimethyl phthalate	ND		37	11
84-74-2	Di-n-butyl phthalate	ND		37	33
117-84-0	Di-n-octyl phthalate	ND		37	19
101-84-8	Diphenyl oxide	ND		37	11
122-39-4	Diphenylamine	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		75	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-DUP | Lab Sample ID: 360-24417-9

Matrix: Solid | Lab File ID: J03060.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

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

Sample wt/vol: 30.15(g) | Date Analyzed: 09/22/2009 00:24

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

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

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	ND		37	11
193-39-5	Indeno[1,2,3-cd]pyrene	ND		37	11
78-59-1	Isophorone	ND		37	11
91-20-3	Naphthalene	ND		90	11
98-95-3	Nitrobenzene	ND		37	11
62-75-9	N-Nitrosodimethylamine	ND		37	13
621-64-7	N-Nitrosodi-n-propylamine	ND		37	11
86-30-6	N-Nitrosodiphenylamine	ND		37	11
87-86-5	Pentachlorophenol	ND		37	11
85-01-8	Phenanthrene	ND		45	11
108-95-2	Phenol	ND		37	11
129-00-0	Pyrene	ND		37	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	68	30-130	
367-12-4	2-Fluorophenol	72	30-130	
321-60-8	2-Fluorobiphenyl	66	30-130	
4165-60-0	Nitrobenzene-d5	64	30-130	
4165-62-2	Phenol-d5	74	30-130	
1718-51-0	Terphenyl-d14	79	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-DUP | Lab Sample ID: 360-24417-9

Matrix: Solid | Lab File ID: J03060.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

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

Sample wt/vol: 30.15(g) | Date Analyzed: 09/22/2009 00:24

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

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

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

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

Number TICs Found: 3 | TIC Result Total: 140.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
138-86-3	Limonene	6.46	8.1	T J N
10544-50-0	Cyclic octaatomic sulfur	12.00	32	T J N
7683-64-9	Squalene	14.35	100	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03060.D		
Lims ID:	360-24417-A-9-C	Client ID:	OC-SB-465-8.0/10-DUP
Inject. Date:	22-Sep-2009 00:24:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-9-c		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	22
Lims Batch ID:	49260	Lims Sample ID:	22
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:20:32	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 15:20:32

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.300	6.302	-0.002	77801	2.00	
* 2 Naphthalene-d8	136	7.642	7.643	-0.001	191451	2.00	
* 3 Acenaphthene-d10	164	9.368	9.370	-0.002	91764	2.00	
* 4 Phenanthrene-d10	188	10.806	10.808	-0.002	147152	2.00	
* 5 Chrysene-d12	240	13.374	13.371	0.003	97343	2.00	
* 6 Perylene-d12	264	14.706	14.708	-0.002	76553	2.00	
$ 7 2-Fluorophenol	112	4.492	4.436	0.056	179115	7.19	
$ 8 Phenol-d5	99	5.973	5.965	0.008	214748	7.41	
$ 9 Nitrobenzene-d5	82	6.921	6.917	0.004	95162	3.19	
$ 10 2-Fluorobiphenyl	172	8.734	8.735	-0.001	193187	3.32	
$ 11 2,4,6-Tribromophenol	330	10.138	10.139	-0.001	45698	6.80	
$ 12 Terphenyl-d14	244	12.388	12.385	0.003	162821	3.94	
30 Acetophenone	105	6.776	6.768	0.008	716	0.0221	
66 Diethyl phthalate	149	9.844	9.846	-0.002	1459	0.0263	
71 Diphenylamine	169	10.046	10.043	0.003	1853	0.0423	
72 N-Nitrosodiphenylamine	169	10.046	10.043	0.003	1853	0.0423	
84 Di-n-butyl phthalate	149	11.446	11.447	-0.001	27044	0.3573	
89 Butyl benzyl phthalate	149	12.893	12.895	-0.002	1633	0.1687	
92 Bis(2-ethylhexyl) phthalate	149	13.480	13.481	-0.001	56464	1.29	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03060.D		
Lims ID:	360-24417-A-9-C	Client ID:	OC-SB-465-8.0/10-DUP
Inject. Date:	22-Sep-2009 00:24:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-9-c		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	22
Lims Batch ID:	49260	Lims Sample ID:	22
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:20:32	Calib Date:	21-Sep-2009 18:59:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 15:20:32

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
138-86-3 Limonene						
6.459	35903	0.2179	1	91	114006	
10544-50-0 Cyclic octaatomic sulfur						
11.999	176307	0.8595	4	91	113573	
7683-64-9 Squalene						
14.350	288874	2.68	6	91	114263	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	6.300	329547	2.00
* 4 Phenanthrene-d10	10.806	410233	2.00
* 6 Perylene-d12	14.706	215611	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 15:20:32 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03060.D

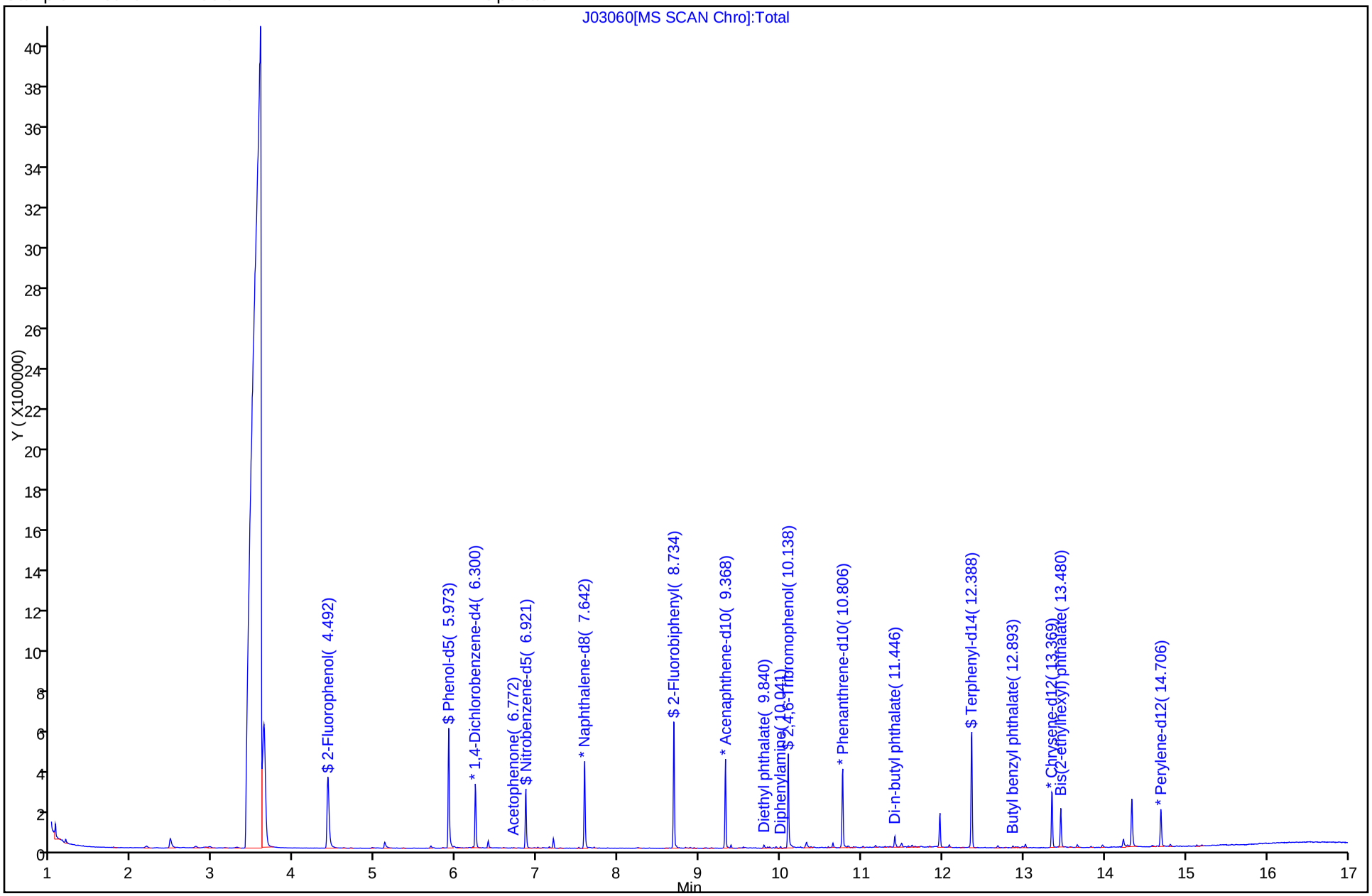
Inj Date: 22-Sep-2009 00:24:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49260 Lims Sample ID: 22

Client ID: OC-SB-465-8.0/10-DUP Instrument: Inst. J

Sample Info: 360-24417-a-9-c

Sample Amount: 1.00 ul Operator:



Report Date: 23-Sep-2009 15:20:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03060.D

Inj Date: 22-Sep-2009 00:24:30 Limit Group: SMS - 8270LL SVOA Calibration

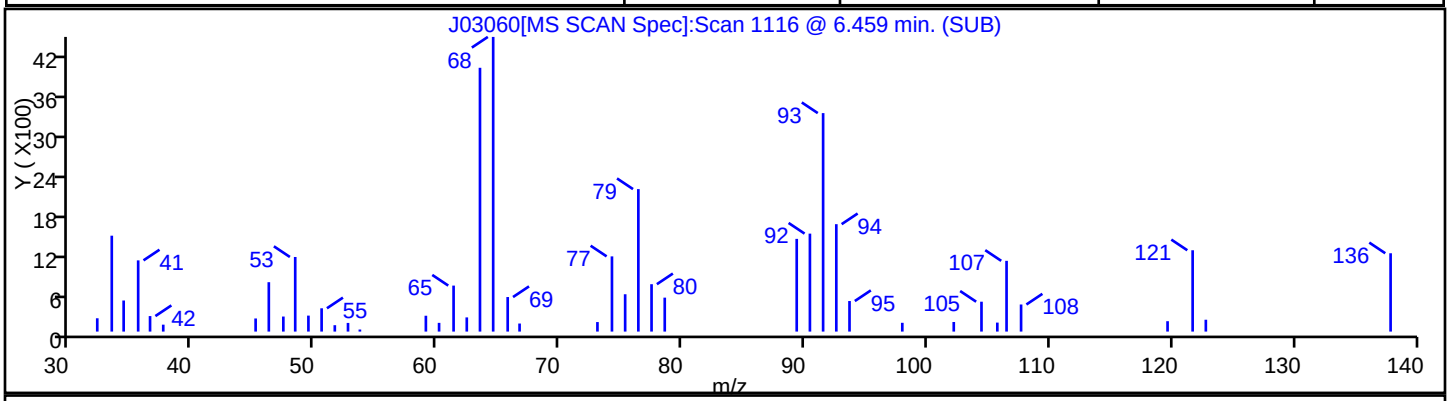
Lims Batch ID: 49260 Lims Sample ID: 22

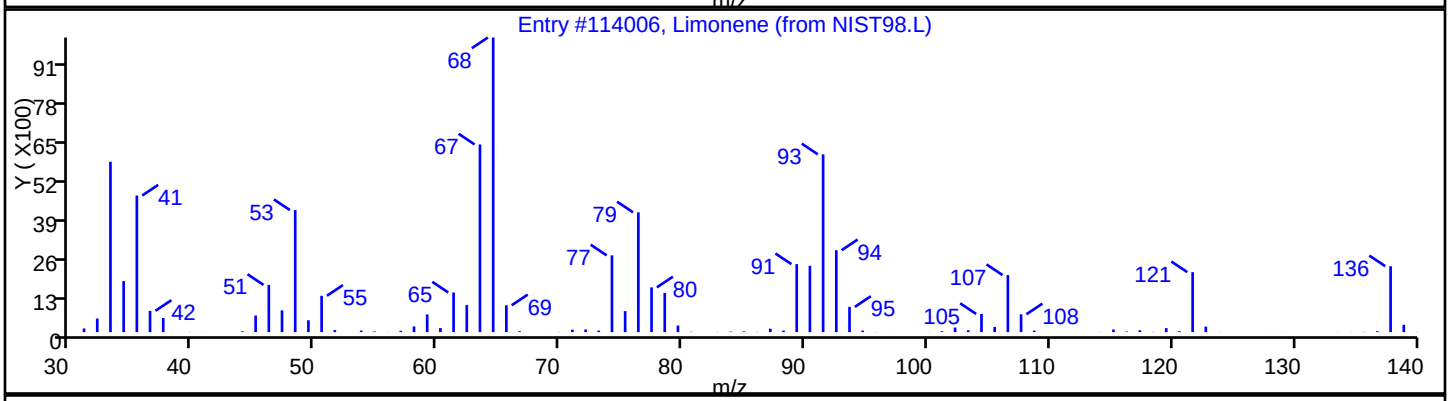
Client ID: OC-SB-465-8.0/10-DUP Instrument: Inst. J

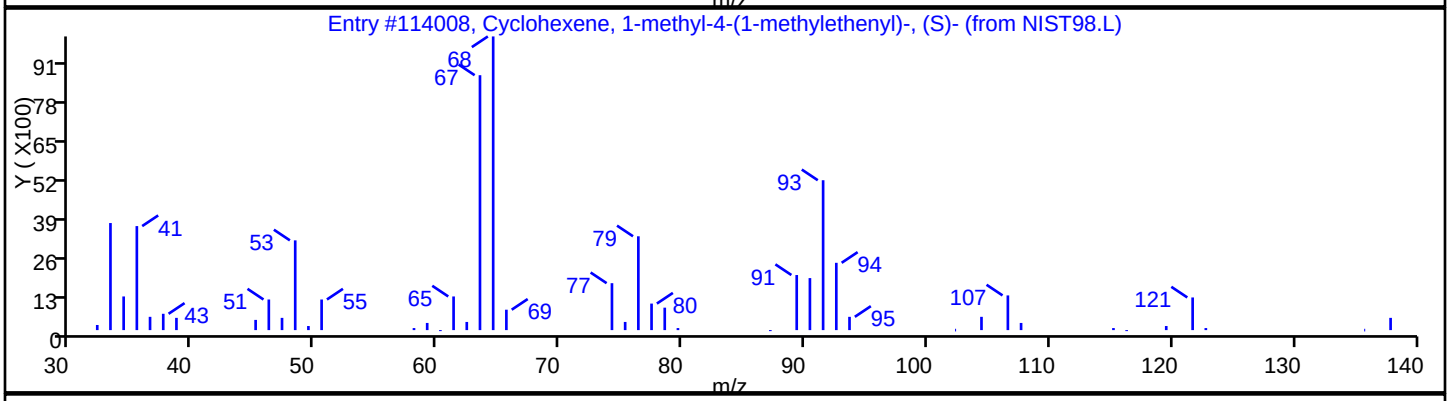
Sample Info: 360-24417-a-9-c

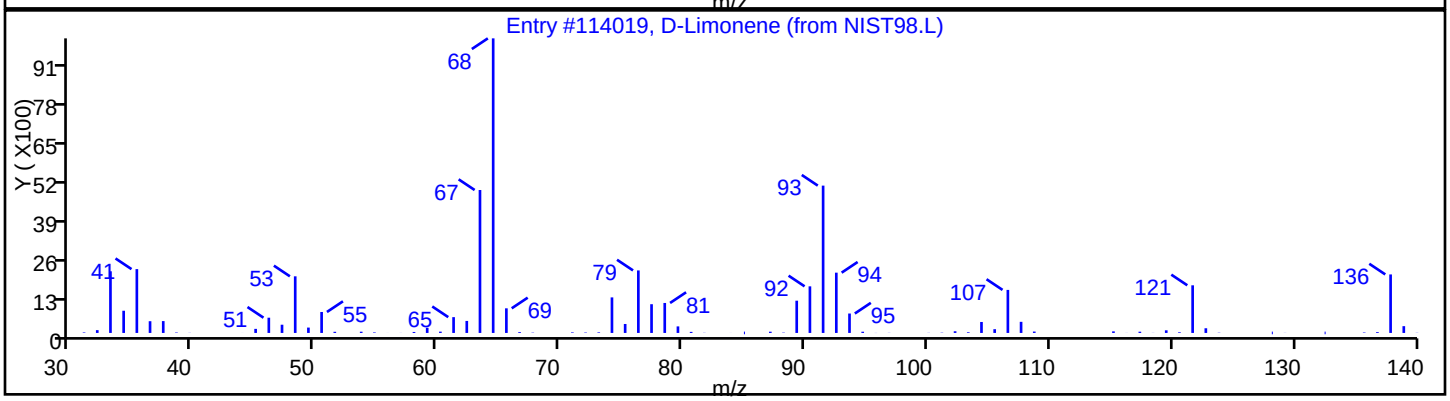
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Limonene	138-86-3	NIST98.L	114006	91
Cyclohexene, 1-methyl-4-(1-methylethenyl	5989-54-8	NIST98.L	114008	90
D-Limonene	5989-27-5	NIST98.L	114019	86









Report Date: 23-Sep-2009 15:20:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03060.D

Inj Date: 22-Sep-2009 00:24:30 Limit Group: SMS - 8270LL SVOA Calibration

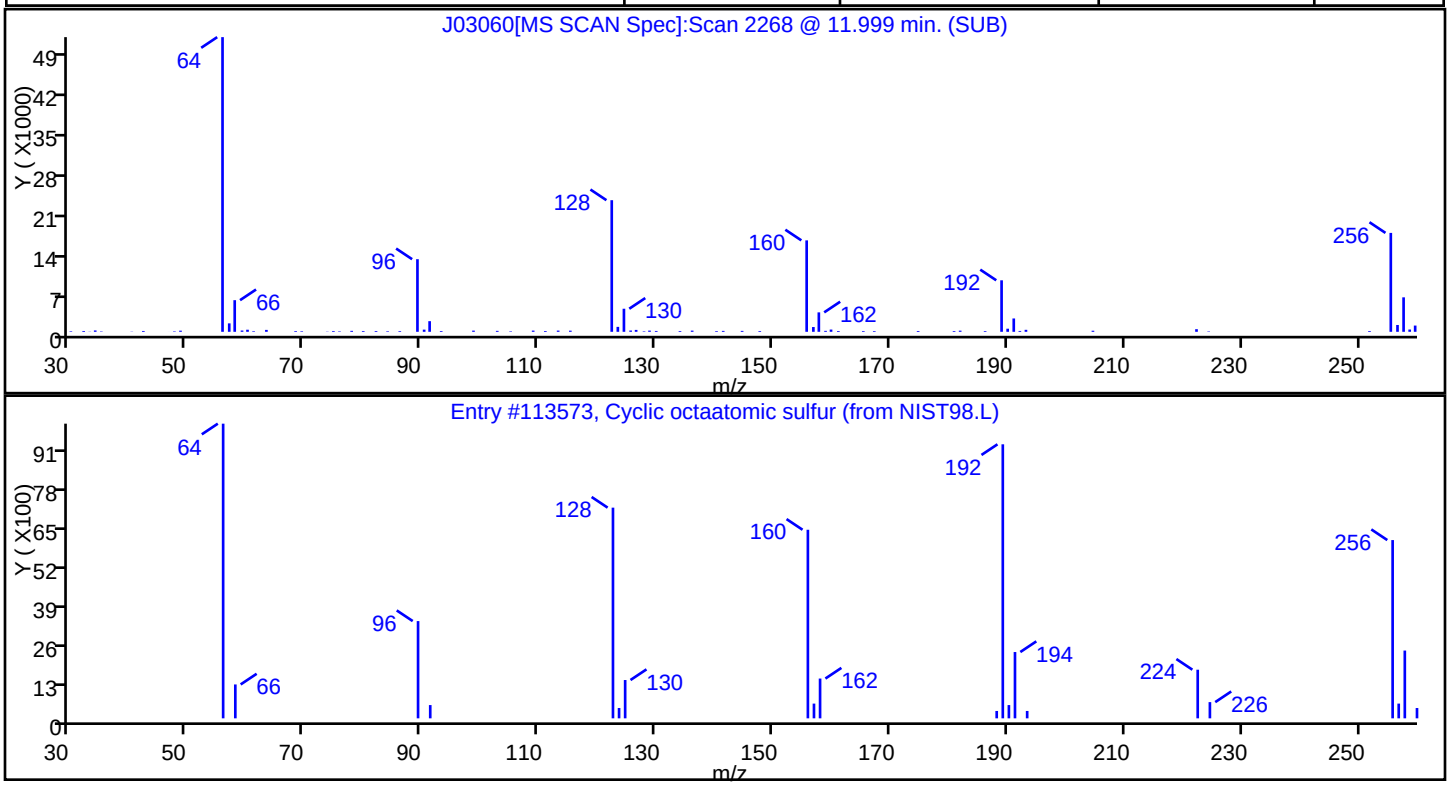
Lims Batch ID: 49260 Lims Sample ID: 22

Client ID: OC-SB-465-8.0/10-DUP Instrument: Inst. J

Sample Info: 360-24417-a-9-c

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclic octaatomic sulfur	10544-50-0	NIST98.L	113573	91



Report Date: 23-Sep-2009 15:20:33 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03060.D

Inj Date: 22-Sep-2009 00:24:30 Limit Group: SMS - 8270LL SVOA Calibration

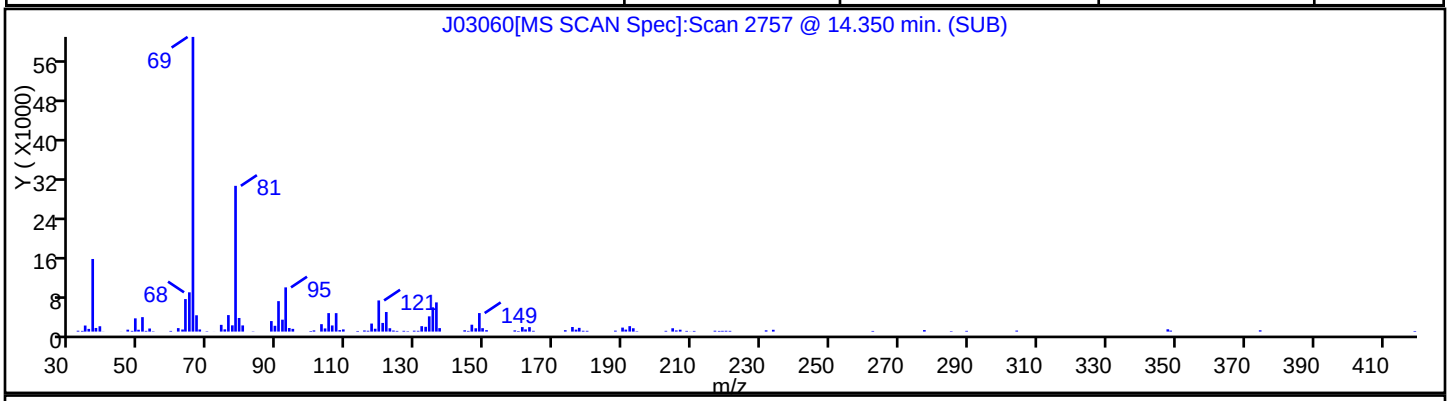
Lims Batch ID: 49260 Lims Sample ID: 22

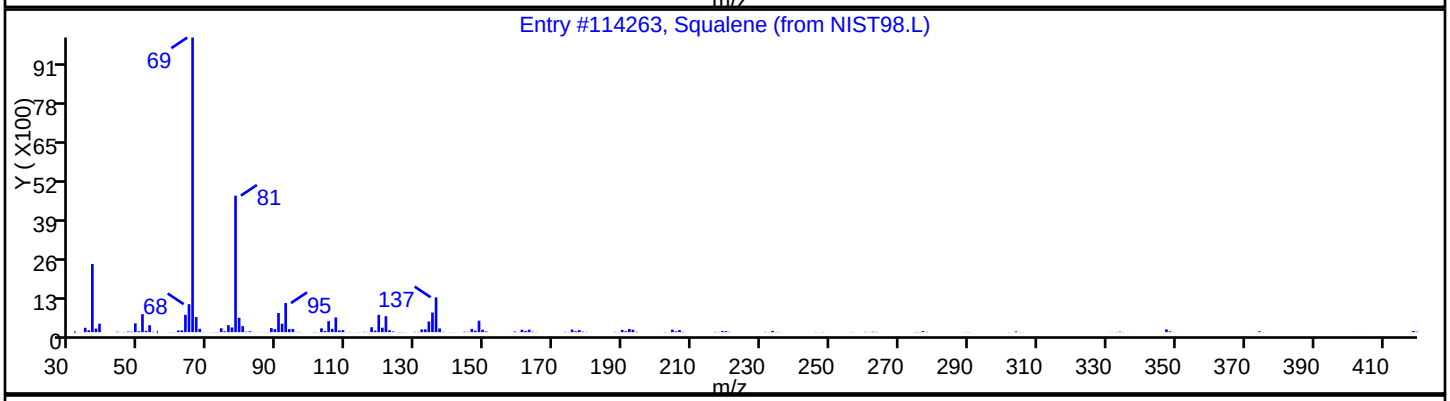
Client ID: OC-SB-465-8.0/10-DUP Instrument: Inst. J

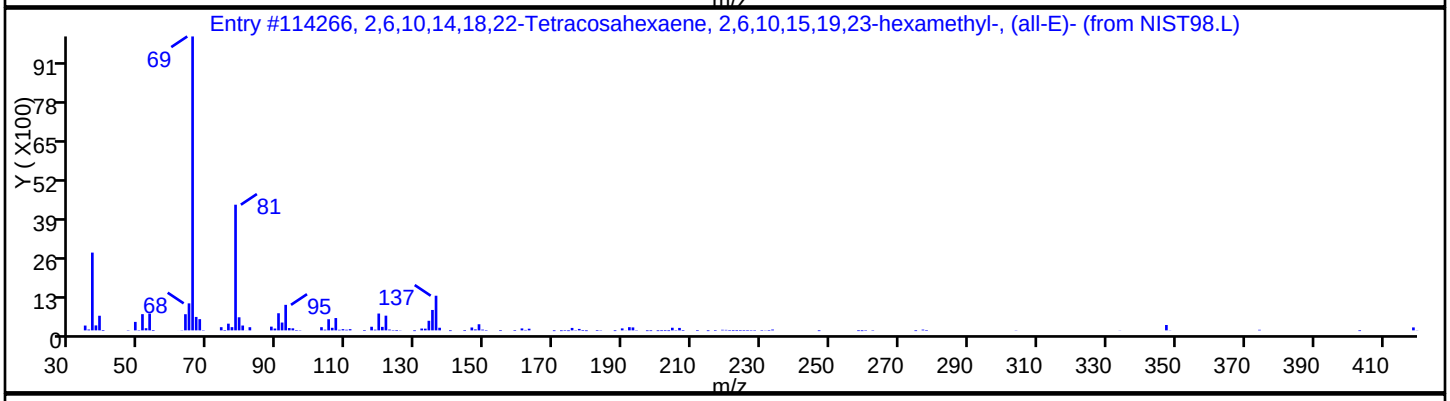
Sample Info: 360-24417-a-9-c

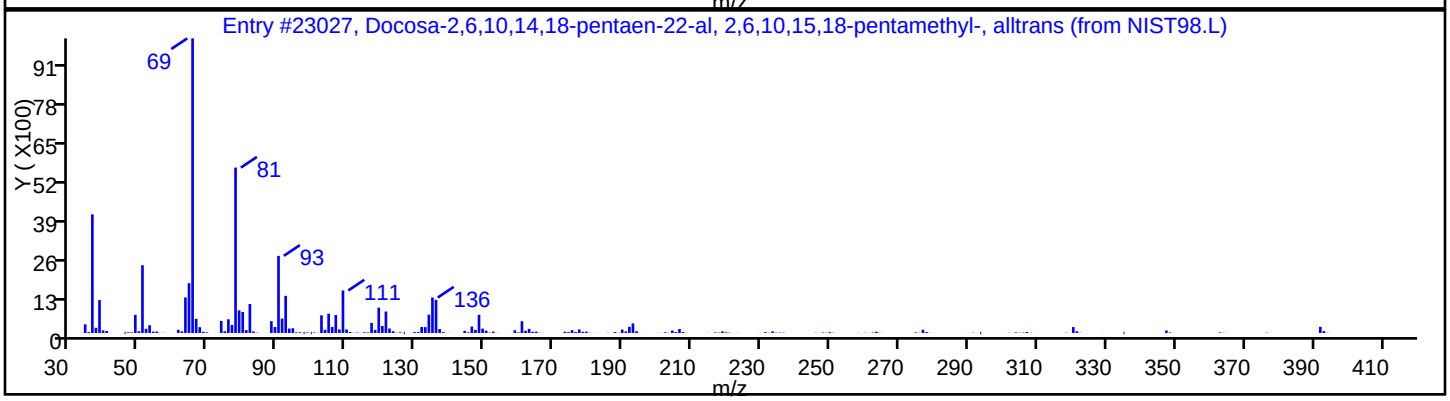
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	91
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	86
Docosa-2,6,10,14,18-pentaen-22-al, 2,6,1	1000163-4-7	NIST98.L	23027	83









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX | Lab Sample ID: 360-24417-10

Matrix: Solid | Lab File ID: J03055.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

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

Sample wt/vol: 30.01(g) | Date Analyzed: 09/21/2009 22:09

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

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

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

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		38	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		38	11
120-82-1	1,2,4-Trichlorobenzene	ND		38	11
95-50-1	1,2-Dichlorobenzene	ND		38	11
541-73-1	1,3-Dichlorobenzene	ND		38	11
106-46-7	1,4-Dichlorobenzene	ND		38	11
90-12-0	1-Methylnaphthalene	ND		38	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		38	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		38	11
95-95-4	2,4,5-Trichlorophenol	ND		38	11
88-06-2	2,4,6-Trichlorophenol	ND		38	11
120-83-2	2,4-Dichlorophenol	ND		38	11
105-67-9	2,4-Dimethylphenol	ND		38	15
51-28-5	2,4-Dinitrophenol	ND		38	11
121-14-2	2,4-Dinitrotoluene	ND		38	11
606-20-2	2,6-Dinitrotoluene	ND		38	11
91-58-7	2-Chloronaphthalene	ND		38	11
95-57-8	2-Chlorophenol	ND		38	11
91-57-6	2-Methylnaphthalene	ND		38	11
95-48-7	2-Methylphenol	ND		38	23
88-74-4	2-Nitroaniline	ND		190	11
88-75-5	2-Nitrophenol	ND		38	11
15831-10-4	3 & 4 Methylphenol	ND		38	11
91-94-1	3,3'-Dichlorobenzidine	ND		75	11
99-09-2	3-Nitroaniline	ND		190	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		190	11
101-55-3	4-Bromophenyl phenyl ether	ND		38	11
59-50-7	4-Chloro-3-methylphenol	ND		75	11
106-47-8	4-Chloroaniline	ND		75	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		38	11
100-01-6	4-Nitroaniline	ND		190	11
100-02-7	4-Nitrophenol	ND		190	11
83-32-9	Acenaphthene	ND		38	11
208-96-8	Acenaphthylene	ND		38	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX | Lab Sample ID: 360-24417-10

Matrix: Solid | Lab File ID: J03055.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

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

Sample wt/vol: 30.01(g) | Date Analyzed: 09/21/2009 22:09

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

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

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

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		38	11
62-53-3	Aniline	ND		38	11
120-12-7	Anthracene	ND		38	11
1912-24-9	Atrazine	ND		38	11
103-33-3	Azobenzene	ND		38	11
100-52-7	Benzaldehyde	ND		38	11
56-55-3	Benzo[a]anthracene	ND		38	11
50-32-8	Benzo[a]pyrene	ND		38	11
205-99-2	Benzo[b]fluoranthene	ND		38	11
191-24-2	Benzo[g,h,i]perylene	ND		38	11
207-08-9	Benzo[k]fluoranthene	ND		38	11
65-85-0	Benzoic acid	ND		190	17
119-61-9	Benzophenone	ND		38	11
100-51-6	Benzyl alcohol	ND		75	32
111-91-1	Bis(2-chloroethoxy)methane	ND		38	11
111-44-4	Bis(2-chloroethyl)ether	ND		38	11
117-81-7	Bis(2-ethylhexyl) phthalate	28	J	38	11
85-68-7	Butyl benzyl phthalate	ND		38	11
105-60-2	Caprolactam	ND		38	11
86-74-8	Carbazole	ND		38	11
218-01-9	Chrysene	ND		38	11
53-70-3	Dibenz(a,h)anthracene	ND		38	11
132-64-9	Dibenzofuran	ND		38	11
84-66-2	Diethyl phthalate	ND		38	11
131-11-3	Dimethyl phthalate	ND		38	11
84-74-2	Di-n-butyl phthalate	ND		38	33
117-84-0	Di-n-octyl phthalate	ND		38	19
101-84-8	Diphenyl oxide	ND		38	11
122-39-4	Diphenylamine	ND		38	11
206-44-0	Fluoranthene	ND		38	11
86-73-7	Fluorene	ND		38	11
118-74-1	Hexachlorobenzene	ND		38	11
87-68-3	Hexachlorobutadiene	ND		38	11
77-47-4	Hexachlorocyclopentadiene	ND		75	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX | Lab Sample ID: 360-24417-10

Matrix: Solid | Lab File ID: J03055.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

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

Sample wt/vol: 30.01(g) | Date Analyzed: 09/21/2009 22:09

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

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

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

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	ND		38	11
193-39-5	Indeno[1,2,3-cd]pyrene	ND		38	11
78-59-1	Isophorone	ND		38	11
91-20-3	Naphthalene	ND		90	11
98-95-3	Nitrobenzene	ND		38	11
62-75-9	N-Nitrosodimethylamine	ND		38	13
621-64-7	N-Nitrosodi-n-propylamine	ND		38	11
86-30-6	N-Nitrosodiphenylamine	ND		38	11
87-86-5	Pentachlorophenol	ND		38	11
85-01-8	Phenanthrene	ND		45	11
108-95-2	Phenol	ND		38	11
129-00-0	Pyrene	ND		38	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	66	30-130	
367-12-4	2-Fluorophenol	75	30-130	
321-60-8	2-Fluorobiphenyl	69	30-130	
4165-60-0	Nitrobenzene-d5	66	30-130	
4165-62-2	Phenol-d5	79	30-130	
1718-51-0	Terphenyl-d14	75	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX | Lab Sample ID: 360-24417-10

Matrix: Solid | Lab File ID: J03055.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

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

Sample wt/vol: 30.01(g) | Date Analyzed: 09/21/2009 22:09

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

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

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

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

Number TICs Found: 2 | TIC Result Total: 67.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q
615-22-5	Benzothiazole, 2-(methylthio)-	9.99	8.2	T J N
7683-64-9	Squalene	14.35	59	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03055.D		
Lims ID:	360-24417-A-10-H	Client ID:	OC-SB-465-8.0/10-XXX
Inject. Date:	21-Sep-2009 22:09:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-10-h		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	49260	Lims Sample ID:	17
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:06:58	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 15:06:58

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.299	6.302	-0.003	80455	2.00	
* 2 Naphthalene-d8	136	7.641	7.643	-0.002	202892	2.00	
* 3 Acenaphthene-d10	164	9.367	9.370	-0.003	95846	2.00	
* 4 Phenanthrene-d10	188	10.805	10.808	-0.003	155257	2.00	
* 5 Chrysene-d12	240	13.373	13.371	0.002	102328	2.00	
* 6 Perylene-d12	264	14.705	14.708	-0.003	76701	2.00	
$ 7 2-Fluorophenol	112	4.501	4.436	0.065	192547	7.46	
$ 8 Phenol-d5	99	5.972	5.965	0.007	235932	7.87	
$ 9 Nitrobenzene-d5	82	6.919	6.917	0.002	104740	3.32	
$ 10 2-Fluorobiphenyl	172	8.737	8.735	0.002	211137	3.47	
$ 11 2,4,6-Tribromophenol	330	10.136	10.139	-0.003	46540	6.57	
$ 12 Terphenyl-d14	244	12.387	12.385	0.002	163034	3.75	
30 Acetophenone	105	6.770	6.768	0.002	2067	0.0617	
52 1,1'-Biphenyl	154	8.829	8.826	0.002	501	0.007830	7
54 Phenyl ether	170	8.939	8.937	0.002	626	0.0175	
71 Diphenylamine	169	10.045	10.043	0.002	1838	0.0398	
72 N-Nitrosodiphenylamine	169	10.045	10.043	0.002	1838	0.0398	
80 Phenanthrene	178	10.829	10.827	0.002	1352	0.0172	
84 Di-n-butyl phthalate	149	11.444	11.447	-0.003	21447	0.2842	
87 Fluoranthene	202	11.983	11.981	0.002	790	0.0127	
89 Butyl benzyl phthalate	149	12.897	12.895	0.002	1167	0.1538	
92 Bis(2-ethylhexyl) phthalate	149	13.479	13.481	-0.002	32012	0.7476	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03055.D		
Lims ID:	360-24417-A-10-H	Client ID:	OC-SB-465-8.0/10-XXX
Inject. Date:	21-Sep-2009 22:09:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-10-h		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	49260	Lims Sample ID:	17
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:06:58	Calib Date:	21-Sep-2009 18:59:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 15:06:58

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
615-22-5	Benzothiazole, 2-(methylthio)-					
9.987	46150	0.2180	3	98	125389	
7683-64-9	Squalene					
14.349	174903	1.58	6	91	114263	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	9.367	423439	2.00
* 6 Perylene-d12	14.705	221519	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 15:06:59 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03055.D

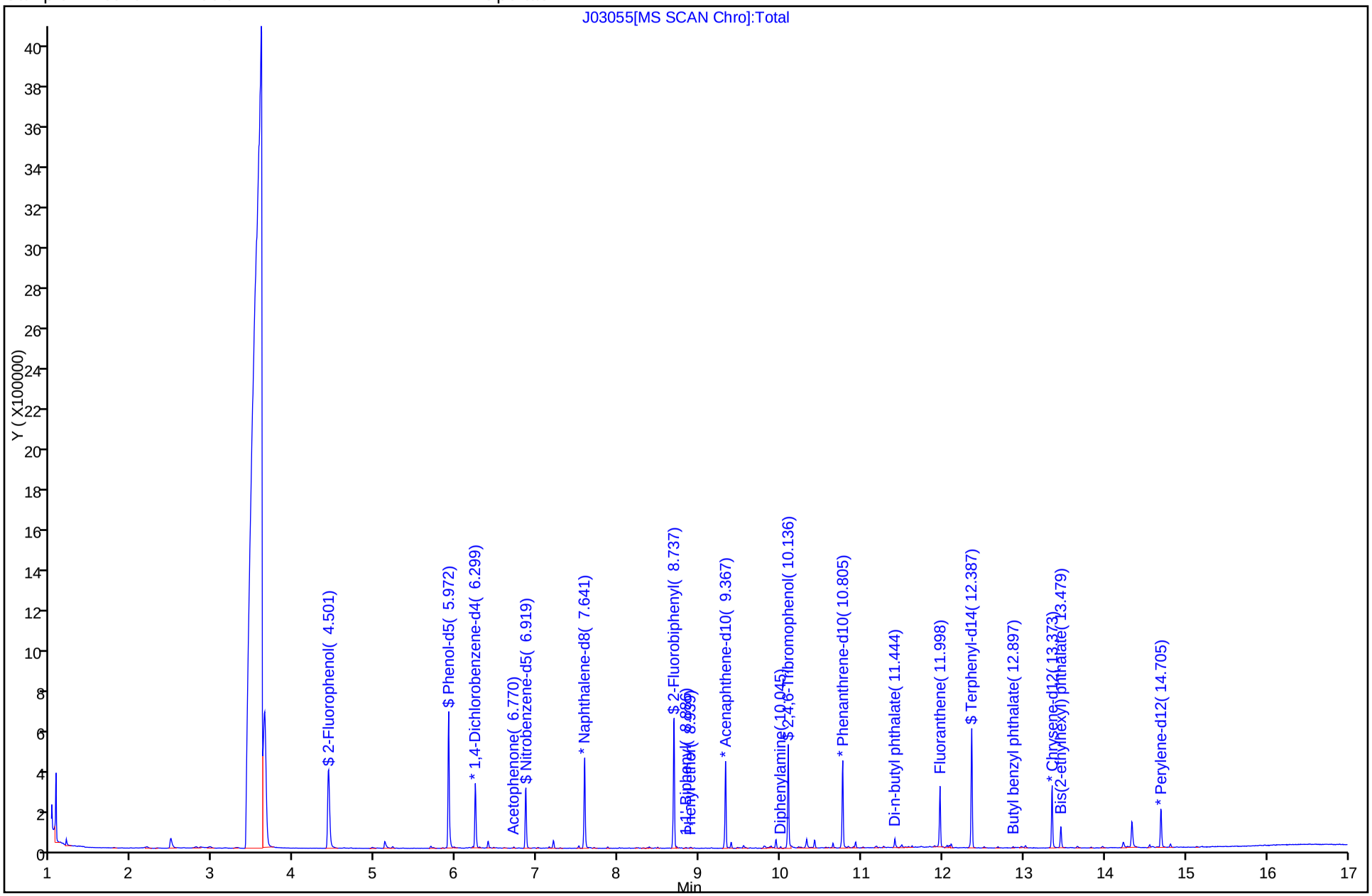
Inj Date: 21-Sep-2009 22:09:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49260 Lims Sample ID: 17

Client ID: OC-SB-465-8.0/10-XXX Instrument: Inst. J

Sample Info: 360-24417-a-10-h

Sample Amount: 1.00 ul Operator:



Report Date: 23-Sep-2009 15:07:00 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03055.D

Inj Date: 21-Sep-2009 22:09:30 Limit Group: SMS - 8270LL SVOA Calibration

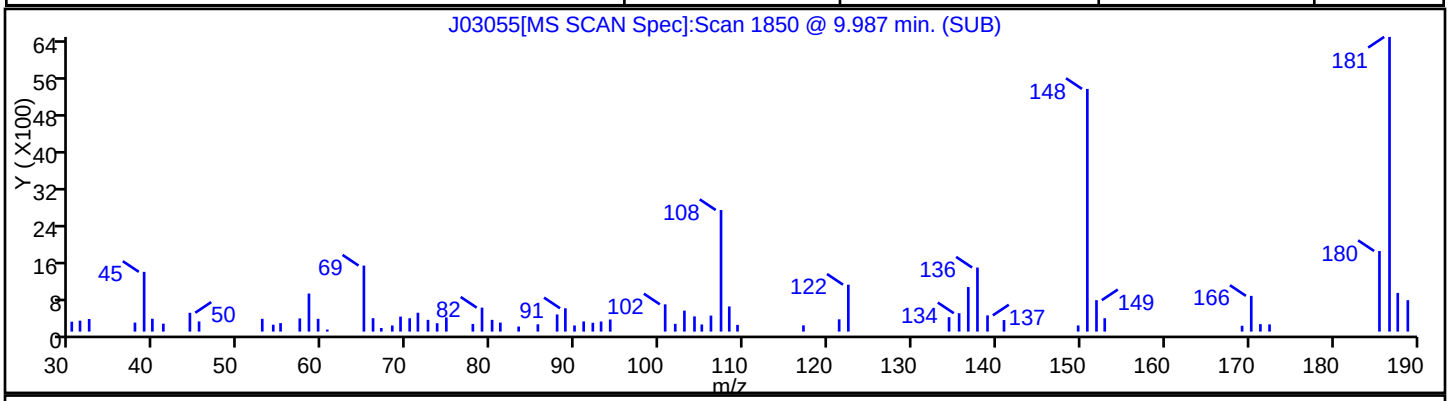
Lims Batch ID: 49260 Lims Sample ID: 17

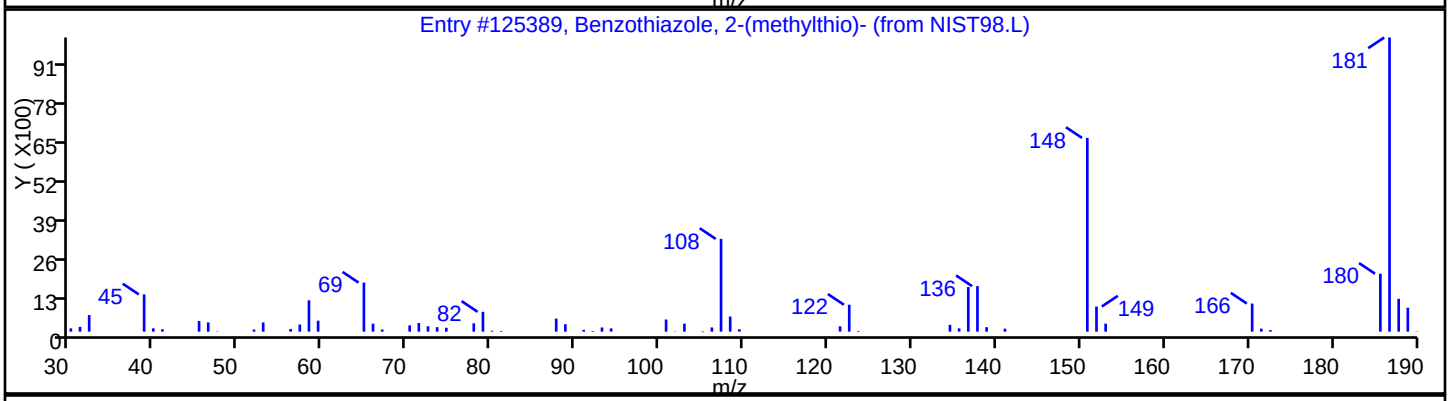
Client ID: OC-SB-465-8.0/10-XXX Instrument: Inst. J

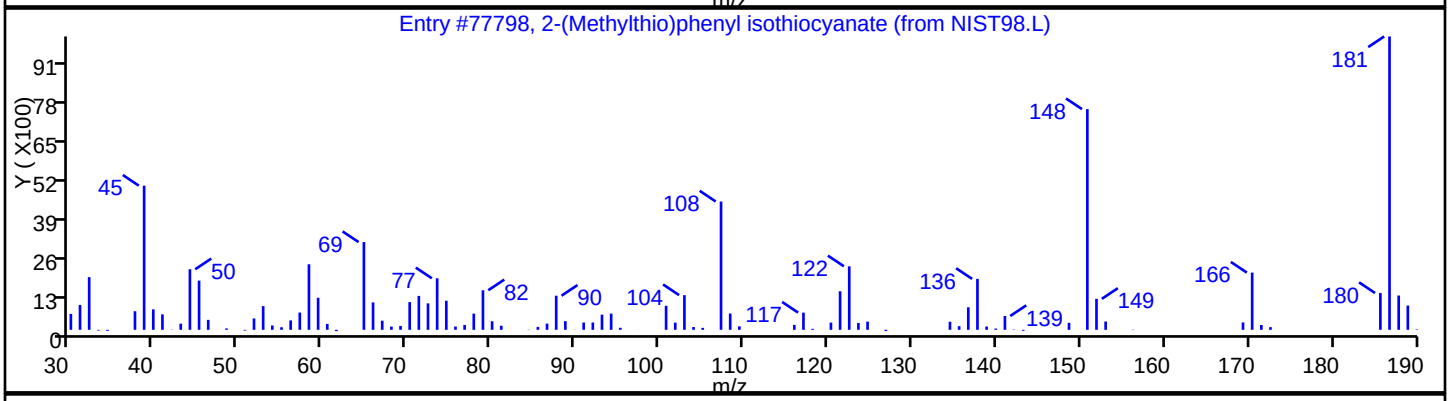
Sample Info: 360-24417-a-10-h

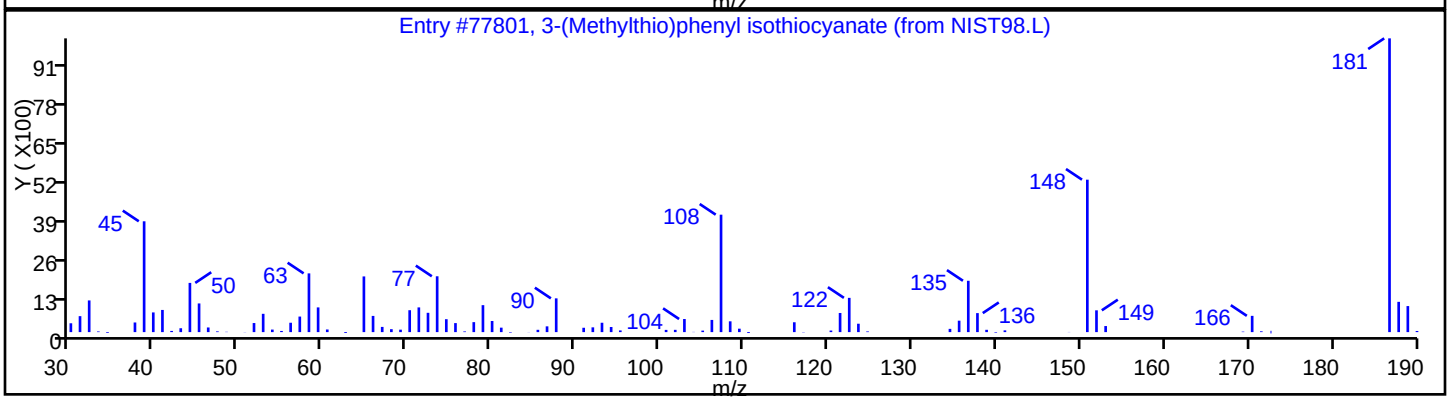
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	125389	98
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	87
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	58









Report Date: 23-Sep-2009 15:07:00 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03055.D

Inj Date: 21-Sep-2009 22:09:30 Limit Group: SMS - 8270LL SVOA Calibration

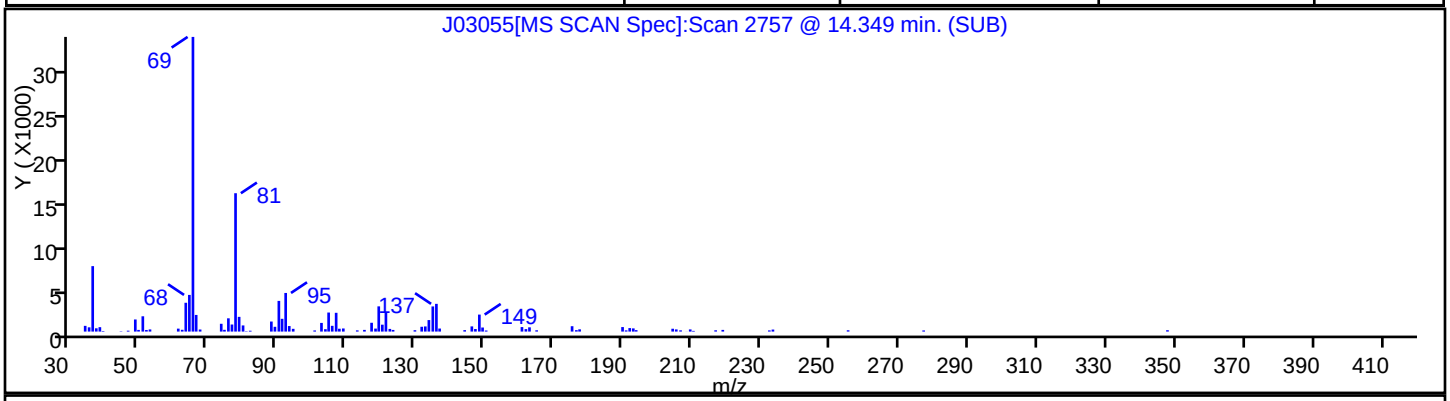
Lims Batch ID: 49260 Lims Sample ID: 17

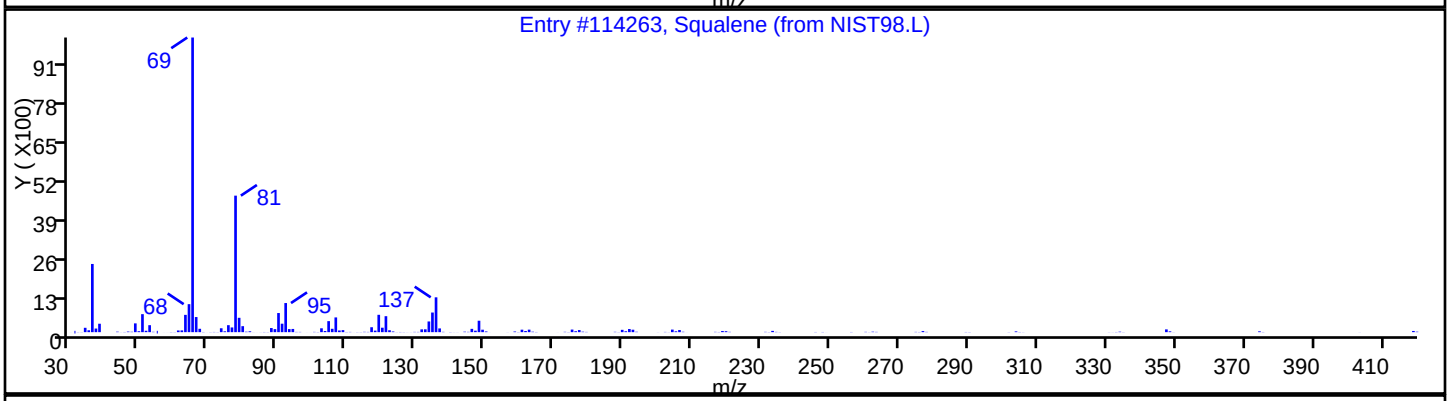
Client ID: OC-SB-465-8.0/10-XXX Instrument: Inst. J

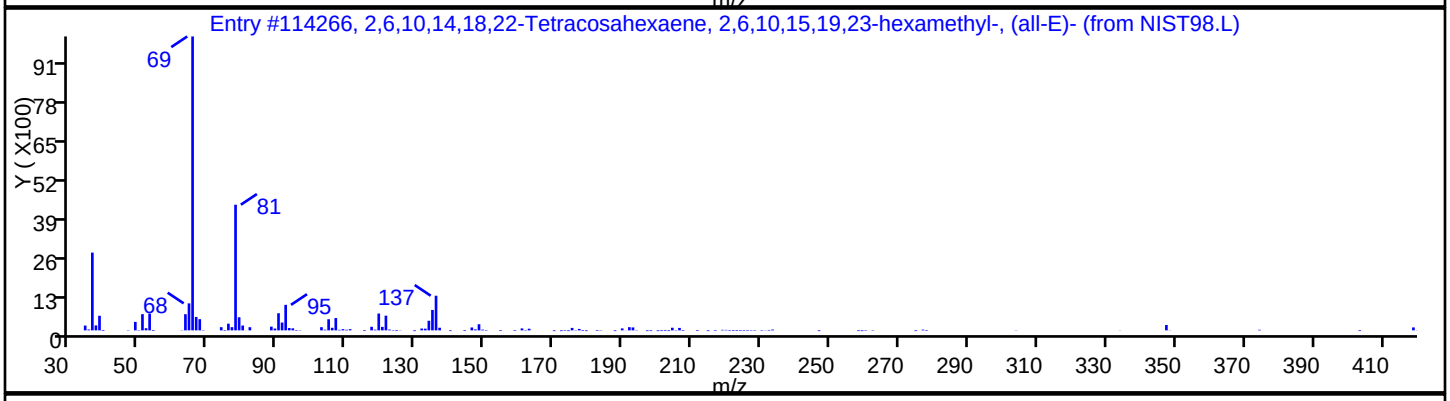
Sample Info: 360-24417-a-10-h

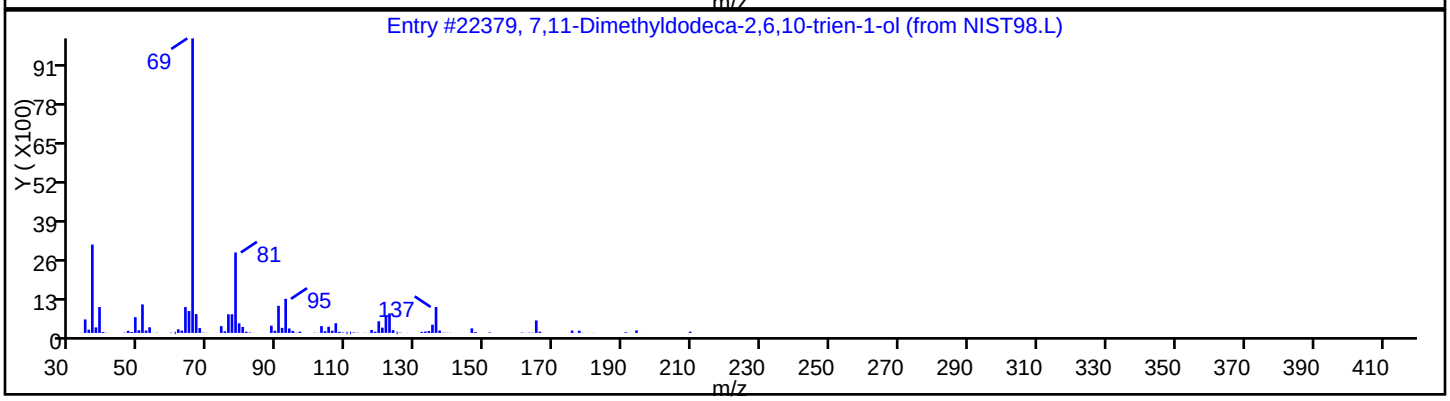
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	91
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	91
7,11-Dimethyldodeca-2,6,10-trien-1-ol	125529-10-4	NIST98.L	22379	87









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX | Lab Sample ID: 360-24417-10

Matrix: Solid | Lab File ID: J03105.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

Extract. Method: 3550B | Date Extracted: 09/15/2009 12:06

Sample wt/vol: 100.47(g) | Date Analyzed: 09/24/2009 00:45

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

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

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

Analysis Batch No.: 49397 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	ND		5.6	1.3

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	69	30-130	
321-60-8	2-Fluorobiphenyl	61	30-130	
367-12-4	2-Fluorophenol	62	30-130	
4165-60-0	Nitrobenzene-d5	58	30-130	
4165-62-2	Phenol-d5	69	30-130	
1718-51-0	Terphenyl-d14	75	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03105.D		
Lims ID:	360-24417-A-10-K	Client ID:	OC-SB-465-8.0/10-XXX
Inject. Date:	24-Sep-2009 00:45:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24417-10		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	49397	Lims Sample ID:	17
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 19:13:12	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	25-Sep-2009 19:14:48

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	8.575	8.575	0.000	71014	2.00	
* 2 Naphthalene-d8	136	9.888	9.888	0.000	172668	2.00	
* 3 Acenaphthene-d10	164	11.686	11.686	0.000	87178	2.00	
* 4 Phenanthrene-d10	188	13.182	13.182	0.000	141672	2.00	
* 5 Chrysene-d12	240	16.009	16.004	0.005	102678	2.00	
* 6 Perylene-d12	264	17.913	17.909	0.004	59594	2.00	
$ 7 2-Fluorophenol	112	7.238	7.233	0.005	138776	6.24	
$ 8 Phenol-d5	99	8.190	8.190	0.000	188457	6.90	
$ 9 Nitrobenzene-d5	82	9.176	9.171	0.005	77188	2.88	
$ 10 2-Fluorobiphenyl	172	10.960	10.960	0.000	177526	3.06	
$ 11 2,4,6-Tribromophenol	330	12.494	12.489	0.005	41814	6.91	
$ 12 Terphenyl-d14	244	14.778	14.778	0.000	159638	3.74	
15 N-Nitrosodimethylamine	74	5.540	5.516	0.024	685	0.0548	
17 Benzaldehyde	105	8.142	8.142	0.000	1401	0.0931	
18 Phenol	94	8.204	8.205	-0.001	5791	0.1987	
19 Aniline	93	8.286	8.277	0.009	1471	0.0435	
20 Bis(2-chloroethyl)ether	93	8.310	8.310	0.000	975	0.0401	
21 2-Chlorophenol	128	8.392	8.387	0.005	895	0.0385	
22 1,4-Dichlorobenzene	146	8.541	8.536	0.005	1286	0.0467	
23 1,3-Dichlorobenzene	146	8.594	8.589	0.005	1147	0.0403	
24 Benzyl alcohol	79	8.709	8.709	0.000	2247	0.1192	
25 1,2-Dichlorobenzene	146	8.796	8.791	0.005	1186	0.0443	
26 2-Methylphenol	108	8.815	8.815	0.000	574	0.0273	
27 2,2'-oxybis[1-chloropropane]	45	8.858	8.854	0.004	988	0.0422	
28 3 & 4 Methylphenol	108	8.950	8.950	0.000	622	0.0285	
29 N-Nitrosodi-n-propylamine	70	9.176	8.998	0.178	11631	0.7372	
30 Acetophenone	105	8.998	8.998	0.000	2351	0.0765	
31 Hexachloroethane	117	9.104	9.104	0.000	472	0.0487	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	9.190	9.190	0.000	2141	0.0786	
33 Isophorone	82	9.402	9.402	0.000	1129	0.0249	
35 2,4-Dimethylphenol	107	9.493	9.489	0.005	580	0.0244	
34 2-Nitrophenol	139	9.517	9.513	0.004	281	0.1025	
36 Benzoic acid	105	9.522	9.565	-0.042	2620	0.9660	
38 2,4-Dichlorophenol	162	9.729	9.729	0.000	386	0.0207	
39 1,2,4-Trichlorobenzene	180	9.835	9.835	0.000	1288	0.0544	
41 Naphthalene	128	9.912	9.907	0.005	4514	0.0576	
42 4-Chloroaniline	127	9.960	9.960	0.000	404	0.0140	
43 Hexachlorobutadiene	225	10.056	10.056	0.000	352	0.0281	
44 Caprolactam	55	10.258	10.268	-0.010	1577	0.3081	
46 2-Methylnaphthalene	142	10.599	10.595	0.004	1922	0.0391	
47 1-Methylnaphthalene	142	10.599	10.715	-0.116	1922	0.0398	
49 1,2,4,5-Tetrachlorobenzene	216	10.806	10.806	0.000	786	0.0416	
52 1,1'-Biphenyl	154	11.061	11.061	0.000	538	0.008802	7
53 2-Chloronaphthalene	162	11.099	11.099	0.000	975	0.0180	
55 2-Nitroaniline	65	11.215	11.220	-0.005	161	0.0920	
57 2,6-Dinitrotoluene	165	11.412	11.479	-0.067	1223	0.1446	
58 Acenaphthylene	152	11.542	11.537	0.005	1294	0.0183	
61 Acenaphthene	153	11.720	11.720	0.000	1459	0.0307	
62 4-Nitrophenol	109	11.864	11.748	0.116	49	0.4699	
64 Dibenzofuran	168	11.874	11.874	0.000	2133	0.0327	
63 2,4-Dinitrotoluene	165	11.874	11.878	-0.004	98	0.1130	
66 Diethyl phthalate	149	12.071	12.071	0.000	12141	0.2292	
67 4-Chlorophenyl phenyl ether	204	12.177	12.177	-0.001	391	0.0157	
69 Fluorene	166	12.225	12.225	0.000	2027	0.0395	
71 Diphenylamine	169	12.302	12.306	-0.004	1636	0.0371	
72 N-Nitrosodiphenylamine	169	12.302	12.306	-0.004	1636	0.0371	
74 Azobenzene	77	12.340	12.340	0.000	764	0.0145	
75 4-Bromophenyl phenyl ether	248	12.677	12.677	0.000	238	0.0182	
80 Phenanthrene	178	13.206	13.206	0.000	5761	0.0787	
81 Anthracene	178	13.249	13.249	0.000	1539	0.0235	
83 Carbazole	167	13.393	13.398	-0.005	702	0.0121	
84 Di-n-butyl phthalate	149	13.682	13.682	0.000	397567	4.67	
85 Pyrene	202	14.437	14.437	0.000	2349	0.0356	
87 Fluoranthene	202	14.687	14.692	-0.005	2646	0.0390	
89 Butyl benzyl phthalate	149	15.273	15.273	0.000	22430	0.6734	
92 Bis(2-ethylhexyl) phthalate	149	15.850	15.851	-0.001	138642	3.11	
91 3,3'-Dichlorobenzidine	252	15.923	15.923	0.000	368	0.0850	
93 Benzo[a]anthracene	228	15.985	15.985	0.000	2521	0.0559	
94 Chrysene	228	16.033	16.038	-0.005	3049	0.0668	
95 Di-n-octyl phthalate	149	16.538	16.524	0.014	3351	0.4885	
97 Benzo[b]fluoranthene	252	17.461	17.327	0.134	140	0.0671	
98 Benzo[k]fluoranthene	252	17.461	17.356	0.105	140	0.0862	
99 Benzo[a]pyrene	252	17.827	17.822	0.005	1452	0.1925	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 25-Sep-2009 19:14:48 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03105.D

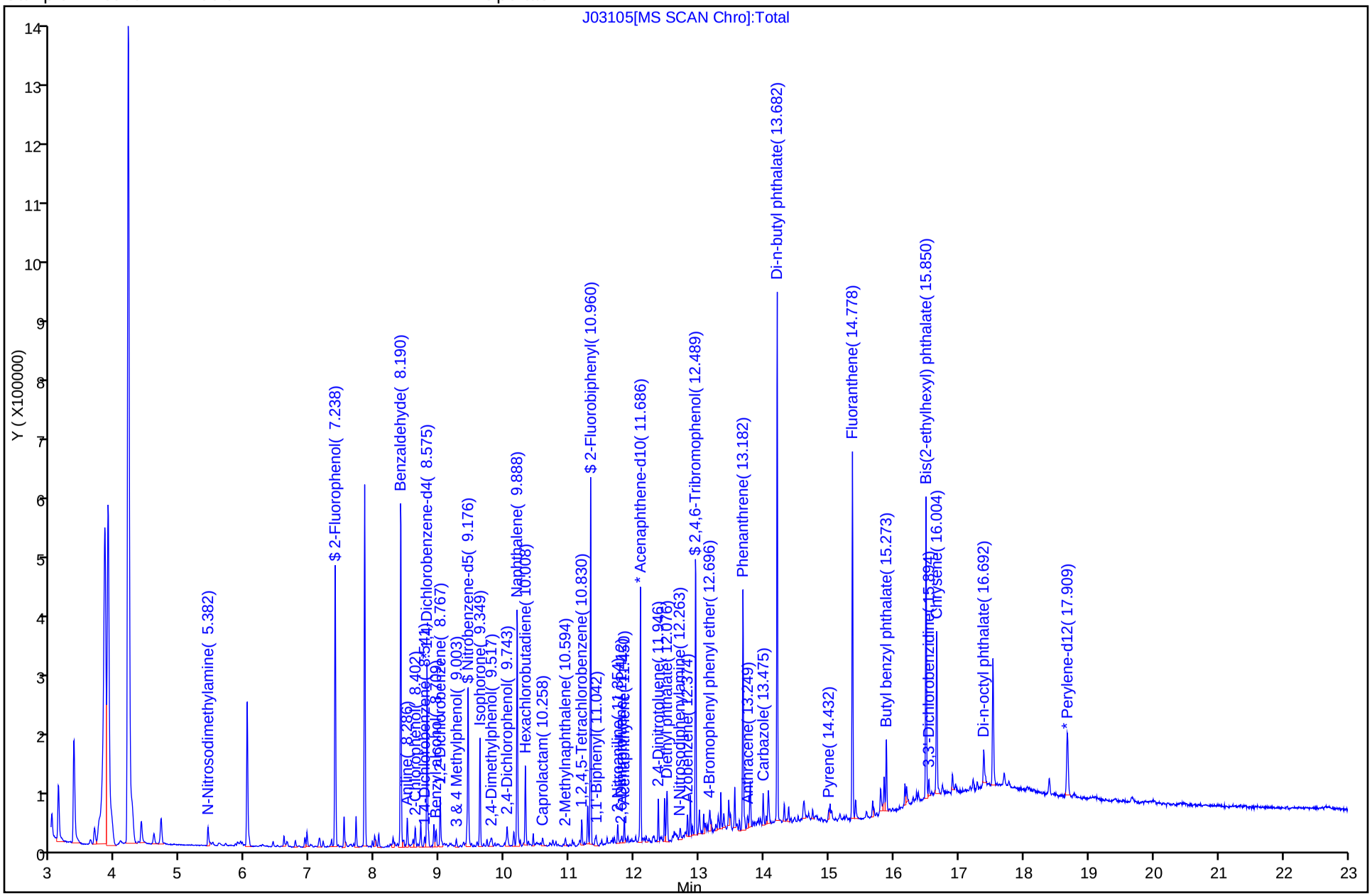
Inj Date: 24-Sep-2009 00:45:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49397 Lims Sample ID: 17

Client ID: OC-SB-465-8.0/10-XXX Instrument: Inst. J

Sample Info: 24417-10

Sample Amount: 1.00 ul Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-0.0/1.0-XXX | Lab Sample ID: 360-24417-11

Matrix: Solid | Lab File ID: J02932.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 10:05

Extract. Method: 3550B | Date Extracted: 09/10/2009 12:11

Sample wt/vol: 100.22(g) | Date Analyzed: 09/12/2009 19:20

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

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

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 48876 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	ND		5.8	1.3

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	41	30-130	
321-60-8	2-Fluorobiphenyl	54	30-130	
367-12-4	2-Fluorophenol	48	30-130	
4165-60-0	Nitrobenzene-d5	53	30-130	
4165-62-2	Phenol-d5	57	30-130	
1718-51-0	Terphenyl-d14	65	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02932.D		
Lims ID:	360-24417-A-11-B	Client ID:	OC-SB-468-0.0/1.0-XXX
Inject. Date:	12-Sep-2009 19:20:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24417-11		
Misc. Info.:	360-0001151-018		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	48876	Lims Sample ID:	18
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\8270NDMA.m		
Last Update:	12-Sep-2009 13:42:52	Calib Date:	10-Sep-2009 20:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02891.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	13-Sep-2009 07:35:41

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.008	5.009	-0.001	196215	2.00	
* 2 Naphthalene-d8	136	6.229	6.230	-0.001	496004	2.00	
* 3 Acenaphthene-d10	164	7.956	7.957	-0.001	251837	2.00	
* 4 Phenanthrene-d10	188	9.422	9.423	-0.001	422083	2.00	
* 5 Chrysene-d12	240	12.057	12.054	0.003	239158	2.00	
* 6 Perylene-d12	264	13.500	13.491	0.009	139136	2.00	
$ 7 2-Fluorophenol	112	3.772	3.773	-0.001	307418	4.82	
$ 8 Phenol-d5	99	4.662	4.663	-0.001	440389	5.67	
$ 9 Nitrobenzene-d5	82	5.542	5.538	0.004	199629	2.67	
$ 10 2-Fluorobiphenyl	172	7.292	7.293	-0.001	446879	2.71	
$ 11 2,4,6-Tribromophenol	330	8.735	8.736	-0.001	64240	4.06	
$ 12 Terphenyl-d14	244	11.004	11.001	0.003	343950	3.24	
24 Benzyl alcohol	79	5.383	5.393	-0.010	1245		
26 2-Methylphenol	108	5.397	5.393	0.004	1403	0.0227	
17 Benzaldehyde	94	5.575	5.557	0.018	144		
30 Acetophenone	105	5.724	5.720	0.004	372		
20 Bis(2-chloroethyl)ether	93	5.830	5.836	-0.006	289		
27 2,2'-oxybis[1-chloropropane]	45	6.080	6.076	0.004	238		
21 2-Chlorophenol	128	6.056	6.096	-0.040	526		
23 1,3-Dichlorobenzene	146	6.224	6.177	0.047	239		
32 Nitrobenzene	77	6.191	6.177	0.014	224		
35 2,4-Dimethylphenol	107	6.176	6.177	-0.001	103		
29 N-Nitrosodi-n-propylamine	70	6.258	6.264	-0.006	113		
18 Phenol	94	6.263	6.264	-0.001	310		
36 Benzoic acid	105	6.234	6.264	-0.030	541		
37 Bis(2-chloroethoxy)methane	93	6.234	6.264	-0.030	432		
28 3 & 4 Methylphenol	108	6.301	6.317	-0.016	242		
19 Aniline	93	6.354	6.365	-0.011	75		
39 1,2,4-Trichlorobenzene	180	6.393	6.374	0.019	517		
41 Naphthalene	128	6.648	6.648	0.000	126		
42 4-Chloroaniline	127	6.691	6.701	-0.010	90		

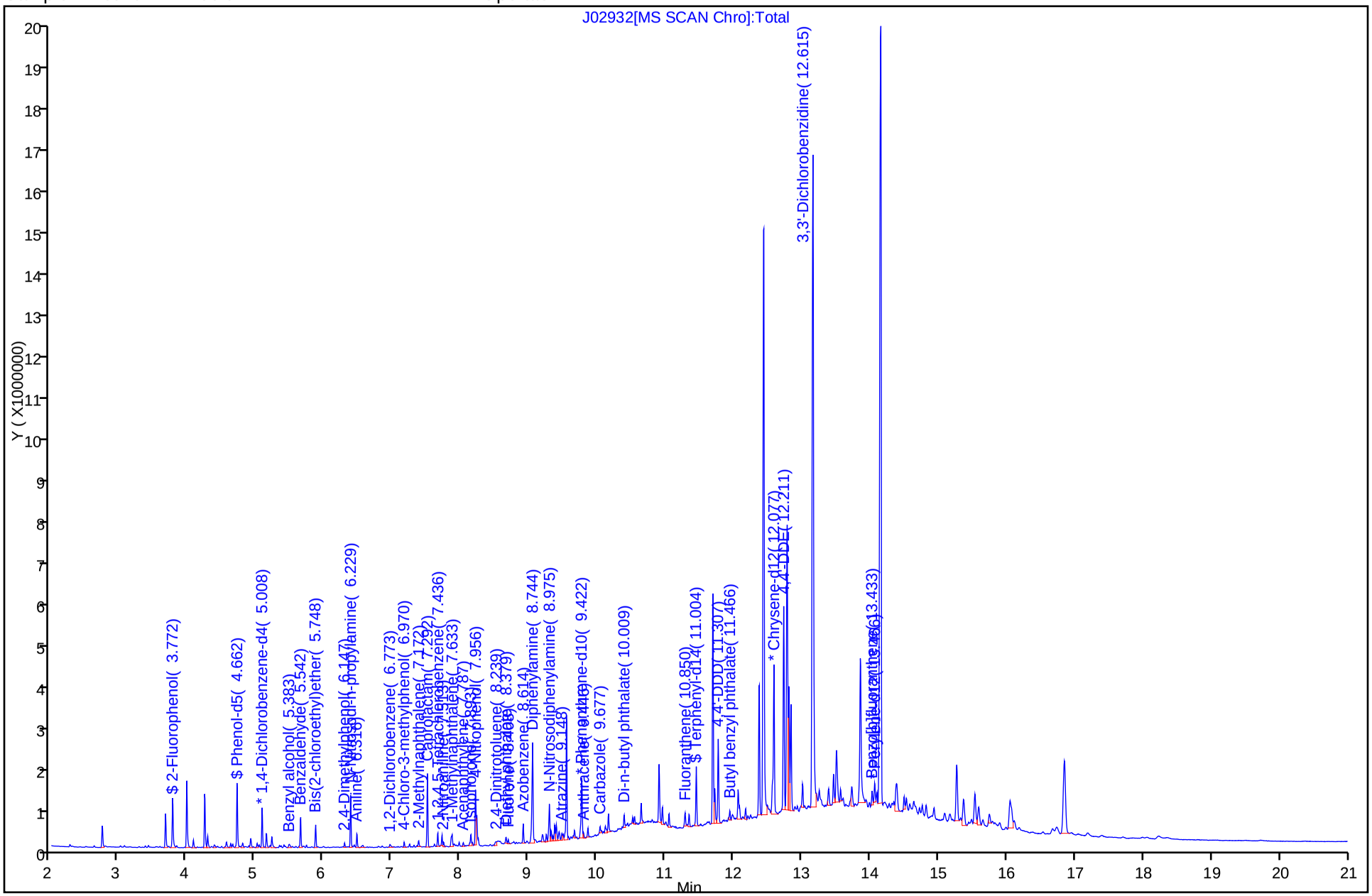
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
25 1,2-Dichlorobenzene	146	6.801	6.788	0.013	275		
45 4-Chloro-3-methylphenol	107	6.999	6.990	0.009	55		
46 2-Methylnaphthalene	142	7.191	7.221	-0.030	41		
44 Caprolactam	55	7.282	7.298	-0.016	4964	4.23	
49 1,2,4,5-Tetrachlorobenzene	216	7.374	7.375	-0.001	397	8.96	
53 2-Chloronaphthalene	162	7.369	7.432	-0.063	666	0.0106	
55 2-Nitroaniline	65	7.513	7.514	-0.001	3809	0.1687	
47 1-Methylnaphthalene	142	7.624	7.610	0.014	1974	111.5	5
56 Dimethyl phthalate	163	7.691	7.692	-0.001	2859	0.0183	
57 2,6-Dinitrotoluene	165	7.773	7.755	0.018	164	0.0475	
54 Phenyl ether	170	7.797	7.807	-0.010	163	1.16	
58 Acenaphthylene	152	7.816	7.817	-0.001	4280	0.0207	
52 1,1'-Biphenyl	154	7.816	7.817	-0.001	267	0.1532	
33 Isophorone	82	7.893	7.908	-0.015	348	0.0239	
59 3-Nitroaniline	138	7.931	7.918	0.013	120	0.0494	
34 2-Nitrophenol	139	7.980	7.961	0.019	474	0.2157	
61 Acenaphthene	153	7.989	7.990	-0.001	2220	0.0157	
62 4-Nitrophenol	109	8.085	8.086	-0.001	175	0.2998	
63 2,4-Dinitrotoluene	165	8.158	8.154	0.004	359	0.1317	
64 Dibenzofuran	168	8.158	8.240	-0.082	2680	0.0137	
66 Diethyl phthalate	149	8.388	8.389	-0.001	12969	0.0813	
69 Fluorene	166	8.499	8.495	0.004	2393	0.0156	
13 Benzophenone	105	8.533	8.519	0.014	442	0.5638	
68 4-Nitroaniline	138	8.513	8.519	-0.006	164	0.0859	
70 4,6-Dinitro-2-methylphenol	198	8.571	8.558	0.013	149	0.3760	
65 2,3,4,6-Tetrachlorophenol	232	8.629	8.649	-0.020	19	1.83	5
74 Azobenzene	77	8.662	8.654	0.008	4533	0.0186	
60 2,4-Dinitrophenol	184	8.672	8.668	0.004	1042	1.56	
71 Diphenylamine	169	8.735	8.736	-0.001	4287	5.62	
72 N-Nitrosodiphenylamine	169	8.985	8.981	0.004	559	0.1031	
77 Atrazine	200	9.153	9.164	-0.011	211	0.0108	
80 Phenanthrene	178	9.446	9.447	-0.001	40318		
81 Anthracene	178	9.446	9.447	-0.001	40318		
83 Carbazole	167	9.658	9.659	-0.001	6096		
84 Di-n-butyl phthalate	149	10.009	10.005	0.004	152136		
85 Pyrene	202	10.629	10.625	0.004	110026		
87 Fluoranthene	202	10.749	10.746	0.003	343		
88 4,4'-DDD	235	11.288	11.286	0.002	811		
89 Butyl benzyl phthalate	149	11.490	11.486	0.004	9778		
93 Benzo[a]anthracene	228	12.048	12.044	0.004	25578		
94 Chrysene	228	12.048	12.044	0.004	23326		
92 Bis(2-ethylhexyl) phthalate	149	12.077	12.073	0.004	971221		
96 4,4'-DDE	246	12.163	12.176	-0.013	3515		
95 Di-n-octyl phthalate	149	12.630	12.607	0.023	3922		
91 3,3'-Dichlorobenzidine	252	12.697	12.678	0.019	490		
97 Benzo[b]fluoranthene	252	13.447	13.439	0.008	18825		
98 Benzo[k]fluoranthene	252	13.447	13.439	0.008	18825		

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 13-Sep-2009 07:35:42 Chrom Revision: 1.0.2009.910

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02932.D		
Inj Date:	12-Sep-2009 19:20:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48876	Lims Sample ID:	18
Client ID:	OC-SB-468-0.0/1.0-XXX	Instrument:	Inst. J
Sample Info:	24417-11		
Sample Amount:	1.00 uL	Operator:	



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-0.0/1.0-XXX | Lab Sample ID: 360-24417-11

Matrix: Solid | Lab File ID: B10531.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 10:05

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.14(g) | Date Analyzed: 09/24/2009 04:22

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

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

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49444 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		38	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		38	11
120-82-1	1,2,4-Trichlorobenzene	ND		38	11
95-50-1	1,2-Dichlorobenzene	ND		38	11
541-73-1	1,3-Dichlorobenzene	ND		38	11
106-46-7	1,4-Dichlorobenzene	ND		38	11
90-12-0	1-Methylnaphthalene	ND		38	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		38	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		38	11
95-95-4	2,4,5-Trichlorophenol	ND		38	11
88-06-2	2,4,6-Trichlorophenol	ND		38	11
120-83-2	2,4-Dichlorophenol	ND		38	11
105-67-9	2,4-Dimethylphenol	ND		38	15
51-28-5	2,4-Dinitrophenol	ND		38	11
121-14-2	2,4-Dinitrotoluene	ND		38	11
606-20-2	2,6-Dinitrotoluene	ND		38	11
91-58-7	2-Chloronaphthalene	ND		38	11
95-57-8	2-Chlorophenol	ND		38	11
91-57-6	2-Methylnaphthalene	ND		38	11
95-48-7	2-Methylphenol	ND		38	23
88-74-4	2-Nitroaniline	ND		190	11
88-75-5	2-Nitrophenol	ND		38	11
15831-10-4	3 & 4 Methylphenol	ND		38	11
91-94-1	3,3'-Dichlorobenzidine	ND		77	11
99-09-2	3-Nitroaniline	ND		190	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		190	11
101-55-3	4-Bromophenyl phenyl ether	ND		38	11
59-50-7	4-Chloro-3-methylphenol	ND		77	11
106-47-8	4-Chloroaniline	ND		77	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		38	11
100-01-6	4-Nitroaniline	ND		190	11
100-02-7	4-Nitrophenol	ND		190	11
83-32-9	Acenaphthene	ND		38	11
208-96-8	Acenaphthylene	ND		38	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-0.0/1.0-XXX | Lab Sample ID: 360-24417-11

Matrix: Solid | Lab File ID: B10531.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 10:05

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.14(g) | Date Analyzed: 09/24/2009 04:22

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

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

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49444 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		38	11
62-53-3	Aniline	ND		38	11
120-12-7	Anthracene	ND		38	11
1912-24-9	Atrazine	ND		38	11
103-33-3	Azobenzene	ND		38	11
100-52-7	Benzaldehyde	ND		38	11
56-55-3	Benzo[a]anthracene	ND		38	11
50-32-8	Benzo[a]pyrene	ND		38	11
205-99-2	Benzo[b]fluoranthene	ND		38	11
191-24-2	Benzo[g,h,i]perylene	ND		38	11
207-08-9	Benzo[k]fluoranthene	ND		38	11
65-85-0	Benzoic acid	ND		190	17
119-61-9	Benzophenone	ND		38	11
100-51-6	Benzyl alcohol	ND		77	33
111-91-1	Bis(2-chloroethoxy)methane	ND		38	11
111-44-4	Bis(2-chloroethyl)ether	ND		38	11
117-81-7	Bis(2-ethylhexyl) phthalate	86		38	11
85-68-7	Butyl benzyl phthalate	ND		38	11
105-60-2	Caprolactam	ND		38	11
86-74-8	Carbazole	ND		38	11
218-01-9	Chrysene	ND		38	11
53-70-3	Dibenz(a,h)anthracene	ND		38	11
132-64-9	Dibenzofuran	ND		38	11
84-66-2	Diethyl phthalate	ND		38	11
131-11-3	Dimethyl phthalate	ND		38	11
84-74-2	Di-n-butyl phthalate	ND		38	34
117-84-0	Di-n-octyl phthalate	ND		38	19
101-84-8	Diphenyl oxide	ND		38	11
206-44-0	Fluoranthene	ND		38	11
86-73-7	Fluorene	ND		38	11
118-74-1	Hexachlorobenzene	ND		38	11
87-68-3	Hexachlorobutadiene	ND		38	11
77-47-4	Hexachlorocyclopentadiene	ND		77	11
67-72-1	Hexachloroethane	ND		38	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-0.0/1.0-XXX | Lab Sample ID: 360-24417-11

Matrix: Solid | Lab File ID: B10531.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 10:05

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.14(g) | Date Analyzed: 09/24/2009 04:22

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

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

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49444 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	ND		38	11
78-59-1	Isophorone	ND		38	11
91-20-3	Naphthalene	ND		92	11
98-95-3	Nitrobenzene	ND		38	11
62-75-9	N-Nitrosodimethylamine	ND		38	14
621-64-7	N-Nitrosodi-n-propylamine	ND		38	11
86-30-6	N-Nitrosodiphenylamine	20	J	38	11
87-86-5	Pentachlorophenol	32	J	38	11
85-01-8	Phenanthrene	ND		46	11
108-95-2	Phenol	ND		38	11
129-00-0	Pyrene	ND		38	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	54	30-130	
367-12-4	2-Fluorophenol	80	30-130	
321-60-8	2-Fluorobiphenyl	63	30-130	
4165-60-0	Nitrobenzene-d5	72	30-130	
4165-62-2	Phenol-d5	72	30-130	
1718-51-0	Terphenyl-d14	64	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-0.0/1.0-XXX | Lab Sample ID: 360-24417-11

Matrix: Solid | Lab File ID: B10531.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 10:05

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.14(g) | Date Analyzed: 09/24/2009 04:22

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

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

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49444 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 4644

CAS NO.	COMPOUND NAME	RT	RESULT	Q
98-55-5	Alpha-Terpineol	8.52	49	
620-92-8	Phenol, 4,4''-methylenebis-	12.24	20	T J N
92-87-5	Benzidine	12.52	19	J
112-88-9	1-Octadecene	12.99	200	T J N
295-48-7	Cyclopentadecane	13.50	38	T J N
1000155-85-3	Cyclohexadecane, 1,2-diethyl-	14.10	720	T J N
2004-39-9	1-Heptacosanol	14.84	68	T J N
1599-67-3	1-Docosene	15.51	840	T J N
297-3-0	Cyclotetracosane	16.52	190	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	17.00	2500	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D		
Lims ID:	360-24417-A-11-C	Client ID:	OC-SB-468-0.0/1.0-XXX
Inject. Date:	24-Sep-2009 04:22:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24417A11C		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	49444	Lims Sample ID:	43
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 15:05:24	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 15:05:24

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.464	7.466	-0.002	403195	2.00	
* 2 Naphthalene-d8	136	8.590	8.592	-0.002	967740	2.00	
* 3 Acenaphthene-d10	164	10.090	10.092	-0.002	485767	2.00	
* 4 Phenanthrene-d10	188	11.350	11.347	0.003	820480	2.00	
* 5 Chrysene-d12	240	14.490	14.482	0.008	571342	2.00	
* 6 Perylene-d12	264	16.928	16.920	0.008	380455	2.00	
$ 7 2-Fluorophenol	112	6.219	6.168	0.051	816082	7.97	
$ 8 Phenol-d5	99	7.113	7.101	0.012	983641	7.15	
$ 9 Nitrobenzene-d5	82	7.960	7.962	-0.002	442418	3.58	
$ 10 2-Fluorobiphenyl	172	9.494	9.496	-0.002	980629	3.13	
$ 11 2,4,6-Tribromophenol	330	10.754	10.756	-0.002	167286	5.35	
$ 12 Terphenyl-d14	244	12.792	12.790	0.002	766179	3.20	
17 Benzaldehyde	105	7.065	7.062	0.003	21199	0.2768	
19 Aniline	93	7.161	7.159	0.002	7297	0.0439	
30 Acetophenone	105	7.820	7.817	0.003	8807	0.0532	
41 Naphthalene	128	8.609	8.611	-0.002	29123	0.0310	
54 Phenyl ether	170	9.667	9.669	-0.002	44681	0.2503	
61 Acenaphthene	153	10.119	10.116	0.003	12879	0.0462	
64 Dibenzofuran	168	10.258	10.260	-0.002	13910	0.0380	
69 Fluorene	166	10.552	10.549	0.003	11784	0.0381	
71 Diphenylamine	169	10.619	10.621	-0.002	136662	0.5178	
72 N-Nitrosodiphenylamine	169	10.619	10.621	-0.002	136662	0.5178	
78 Pentachlorophenol	266	11.182	11.180	0.002	10111	0.8287	
80 Phenanthrene	178	11.369	11.366	0.003	61574	0.1478	
81 Anthracene	178	11.412	11.410	0.002	29009	0.0741	
83 Carbazole	167	11.533	11.530	0.003	5608	0.0168	
84 Di-n-butyl phthalate	149	11.763	11.761	0.002	49413	0.0970	
87 Fluoranthene	202	12.422	12.419	0.003	92349	0.2554	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	12.677	12.669	0.008	82936	0.2063	
92 Bis(2-ethylhexyl) phthalate	149	14.399	14.391	0.008	573432	2.24	
94 Chrysene	228	14.543	14.540	0.003	31714	0.1296	
97 Benzo[b]fluoranthene	252	16.332	16.324	0.008	27355	0.1275	
98 Benzo[k]fluoranthene	252	16.365	16.367	-0.002	11908	0.0603	
99 Benzo[a]pyrene	252	16.837	16.834	0.003	12919	0.0827	
100 Indeno[1,2,3-cd]pyrene	276	18.914	18.911	0.003	8595	0.1029	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D		
Lims ID:	360-24417-A-11-C	Client ID:	OC-SB-468-0.0/1.0-XXX
Inject. Date:	24-Sep-2009 04:22:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24417A11C		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	49444	Lims Sample ID:	43
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 15:05:24	Calib Date:	23-Sep-2009 22:32:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 15:05:24

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
1,2-Diphenylhydrazine	10.686	33969	0.0700	
1,4-Dioxane	4.228	72		
Pentachloronitrobenzene	11.196	69	0.0743	
Alpha-Terpineol	8.517	143383	1.29	
Benzidine	12.518	308	0.4907	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
123-8-0 Benzaldehyde, 4-hydroxy-						
9.369	286257	0.2282	3	94	54810	
621-59-0 Benzaldehyde, 3-hydroxy-4-methoxy-						
9.609	589651	0.4701	3	97	67910	
498-2-2 Ethanone, 1-(4-hydroxy-3-methoxyphenyl)-						
9.994	273741	0.2182	3	91	67962	
118-56-9 Homosalate						
11.610	318187	0.2636	4	93	62772	
620-92-8 Phenol, 4,4'-methylenebis-						
12.004	589488	0.4884	4	93	48712	
1000130-87-5 Z-8-Hexadecene						
12.172	651885	0.5401	4	94	1696	
629-94-7 Heneicosane						
12.201	319616	0.2648	4	90	109656	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
620-92-8 Phenol, 4,4'-methylenebis-						
12.235	624763	0.5177	4	95	48712	
112-88-9 1-Octadecene						
12.985	4106382	5.32	5	98	111277	
295-48-7 Cyclopentadecane						
13.499	776957	1.01	5	92	13210	
1000155-85-3 Cyclohexadecane, 1,2-diethyl-						
14.096	14487025	18.8	5	97	5047	
2004-39-9 1-Heptacosanol						
14.836	1371003	1.78	5	90	5542	
1599-67-3 1-Docosene						
15.509	16955285	22.0	5	98	111438	
297-3-0 Cyclotetracosane						
16.524	2569020	5.03	6	93	33283	
26603-23-6 p,p'-Dioctyldiphenylamine						
16.995	33658634	65.9	6	97	101420	

Quantitation Compounds

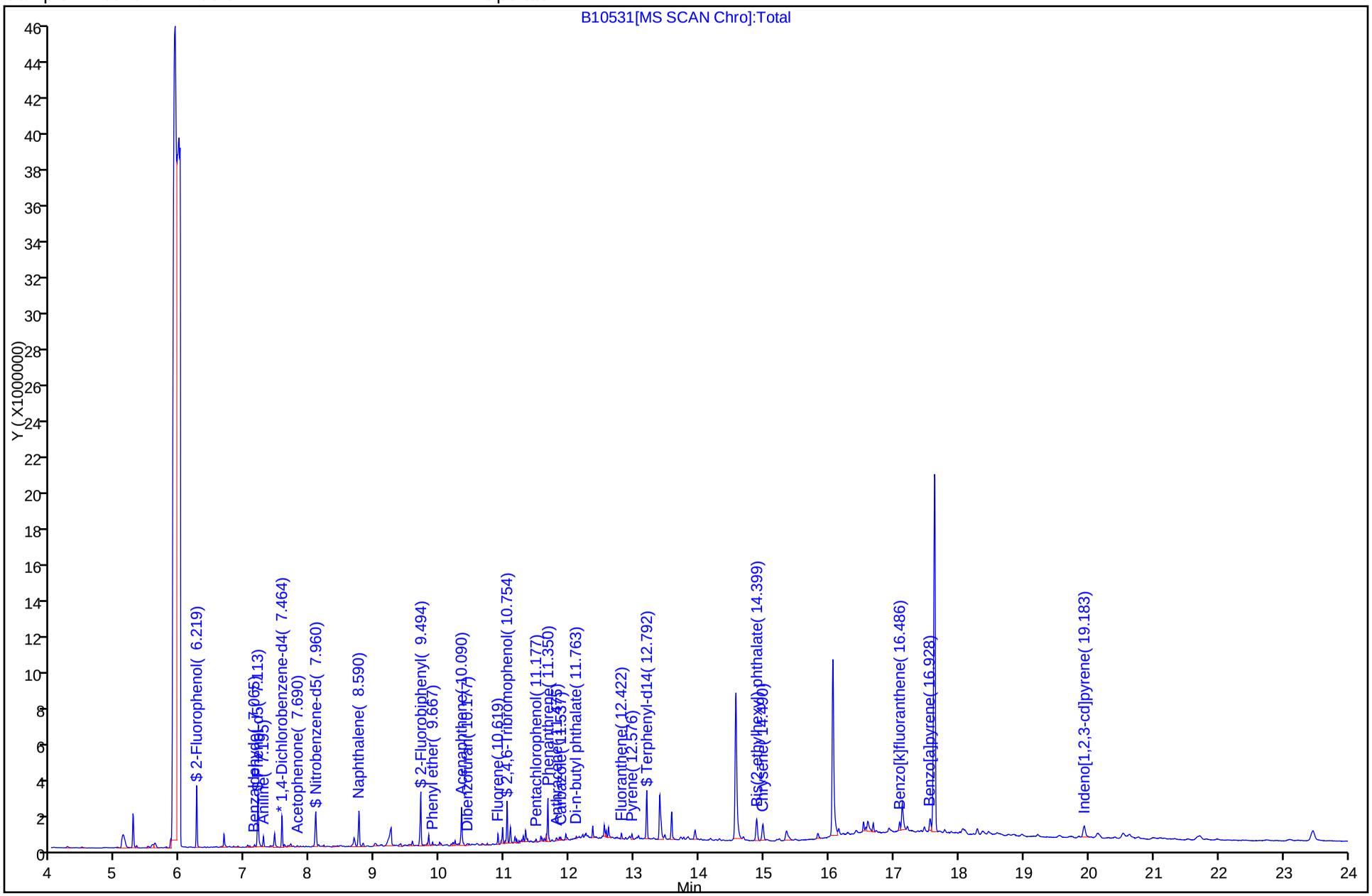
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	10.090	2508538	2.00
* 4 Phenanthrene-d10	11.350	2413810	2.00
* 5 Chrysene-d12	14.490	1543879	2.00
* 6 Perylene-d12	16.928	1021045	2.00

QC Flag Legend

Processing Flags

Report Date: 25-Sep-2009 15:05:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

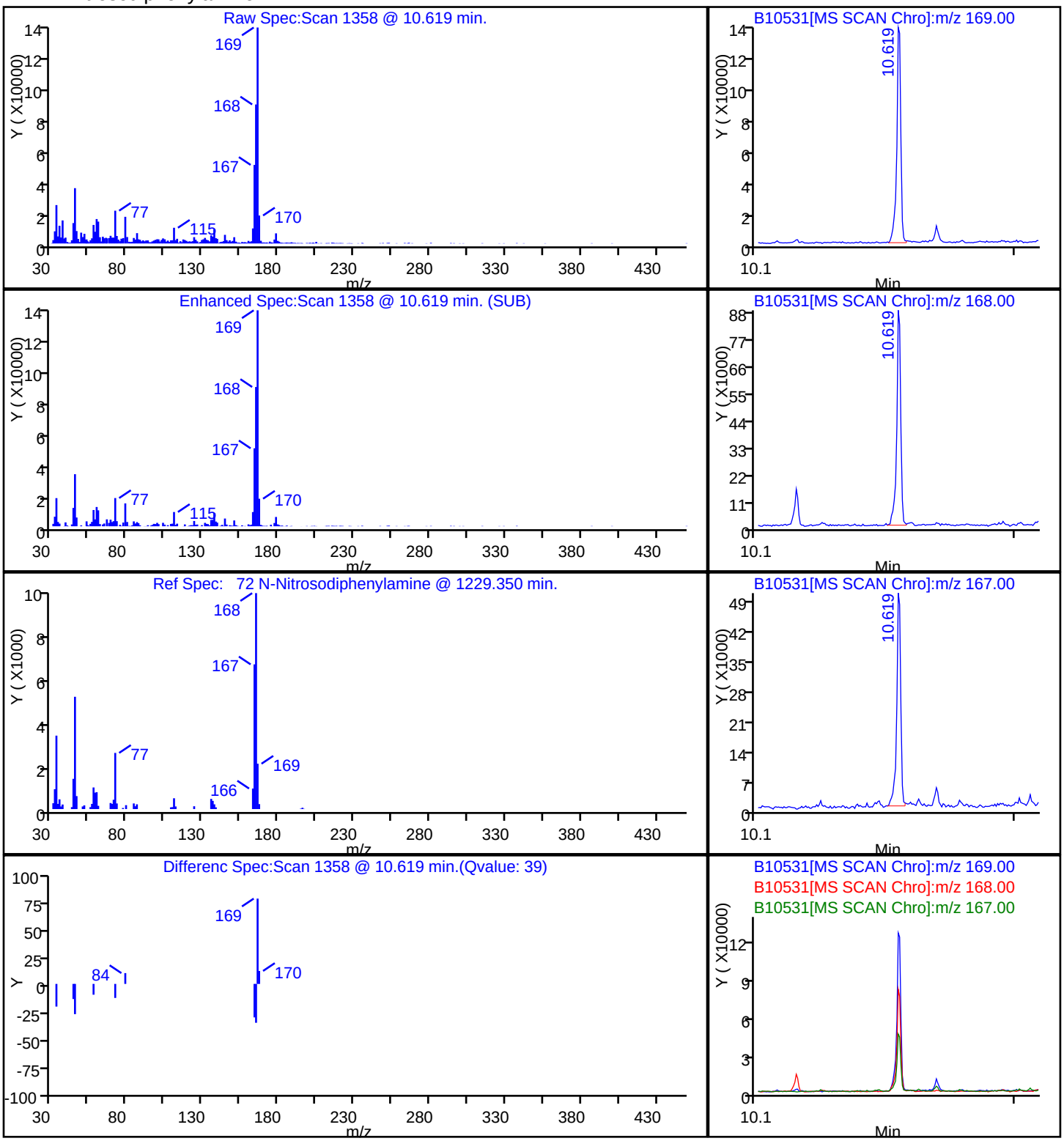
Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D		
Inj Date:	24-Sep-2009 04:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	43
Client ID:	OC-SB-468-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24417A11C		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 25-Sep-2009 15:05:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D		
Inj Date:	24-Sep-2009 04:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	43
Client ID:	OC-SB-468-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24417A11C		
Sample Amount:	1.00 ul	Operator:	MZ

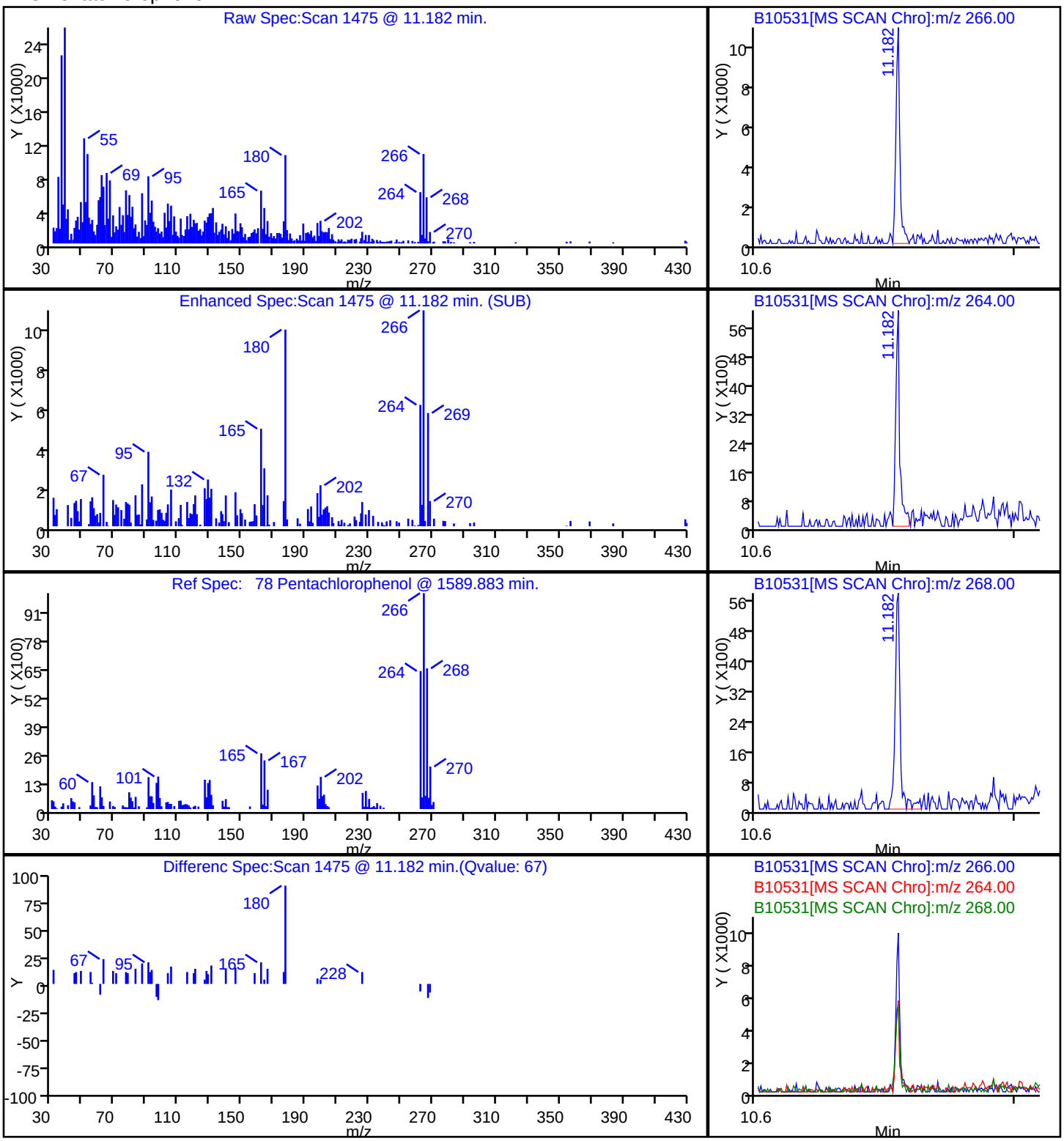
72 N-Nitrosodiphenylamine



Report Date: 25-Sep-2009 15:05:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D		
Inj Date:	24-Sep-2009 04:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	43
Client ID:	OC-SB-468-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24417A11C		
Sample Amount:	1.00 ul	Operator:	MZ

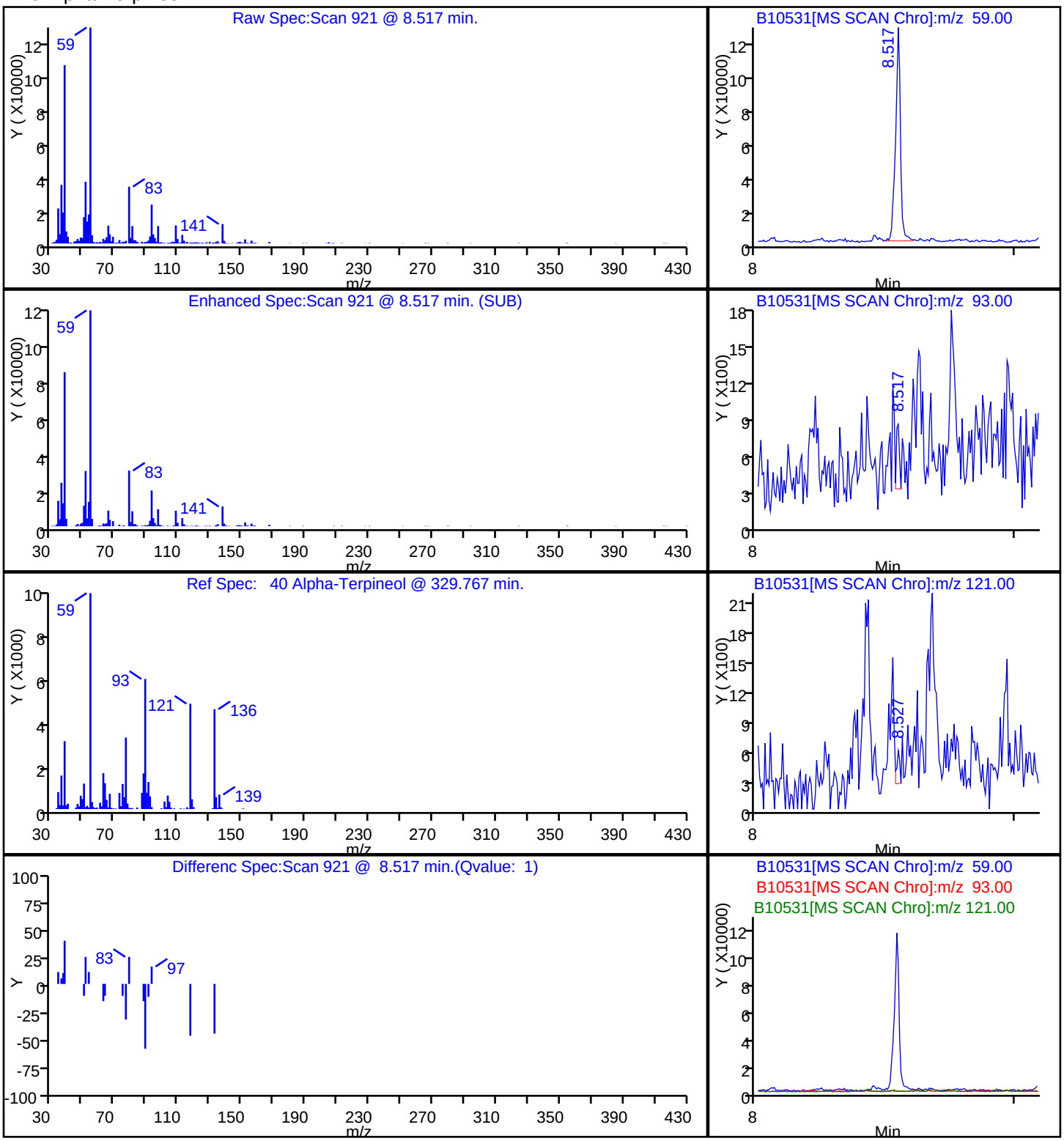
78 Pentachlorophenol



Report Date: 25-Sep-2009 15:05:28 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D		
Inj Date:	24-Sep-2009 04:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	43
Client ID:	OC-SB-468-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24417A11C		
Sample Amount:	1.00 ul	Operator:	MZ

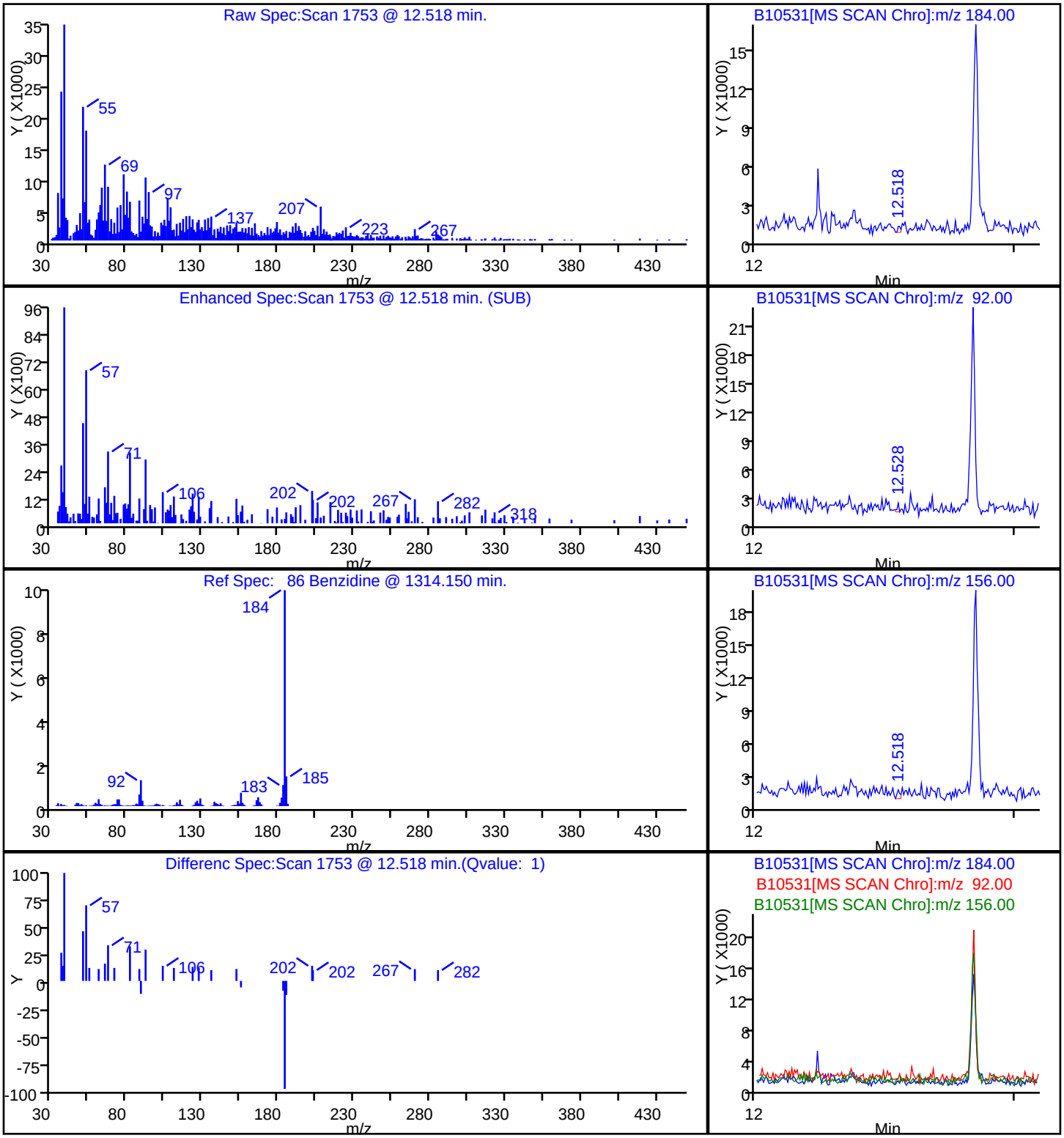
40 Alpha-Terpineol



Report Date: 25-Sep-2009 15:05:28 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D		
Inj Date:	24-Sep-2009 04:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	43
Client ID:	OC-SB-468-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24417A11C		
Sample Amount:	1.00 ul	Operator:	MZ

86 Benzidine



Report Date: 25-Sep-2009 15:05:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D

Inj Date: 24-Sep-2009 04:22:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49444 Lims Sample ID: 43

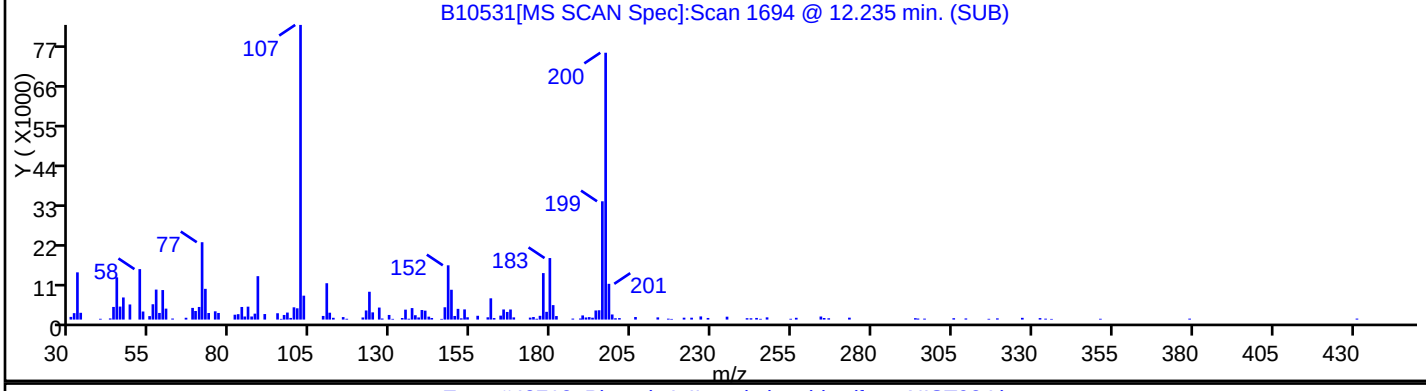
Client ID: OC-SB-468-0.0/1.0-XXX Instrument: Inst. B

Sample Info: 24417A11C

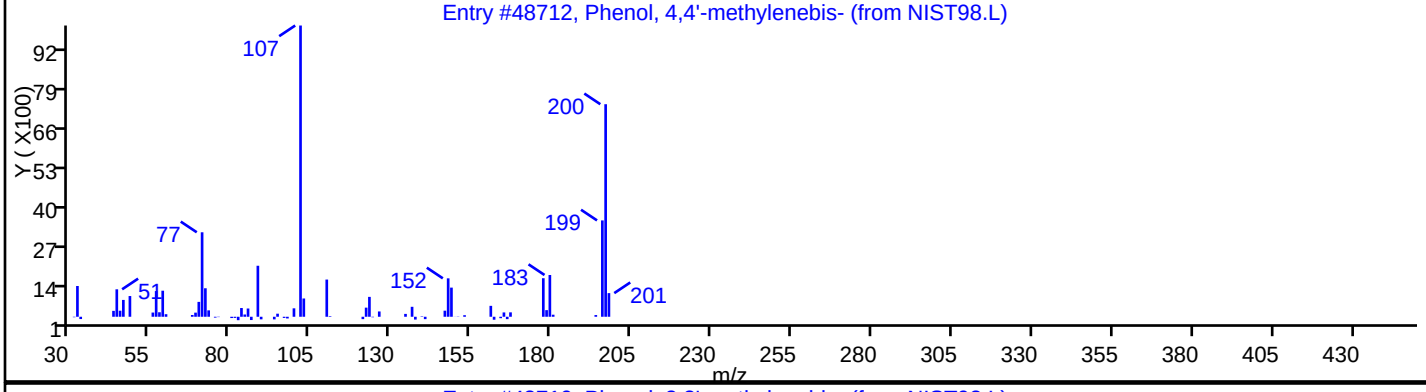
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, 4,4'-methylenebis-	620-92-8	NIST98.L	48712	95
Phenol, 2,2'-methylenebis-	2467-2-9	NIST98.L	48710	70
Phenol, 2-[(4-hydroxyphenyl)methyl]-	2467-3-0	NIST98.L	48711	64

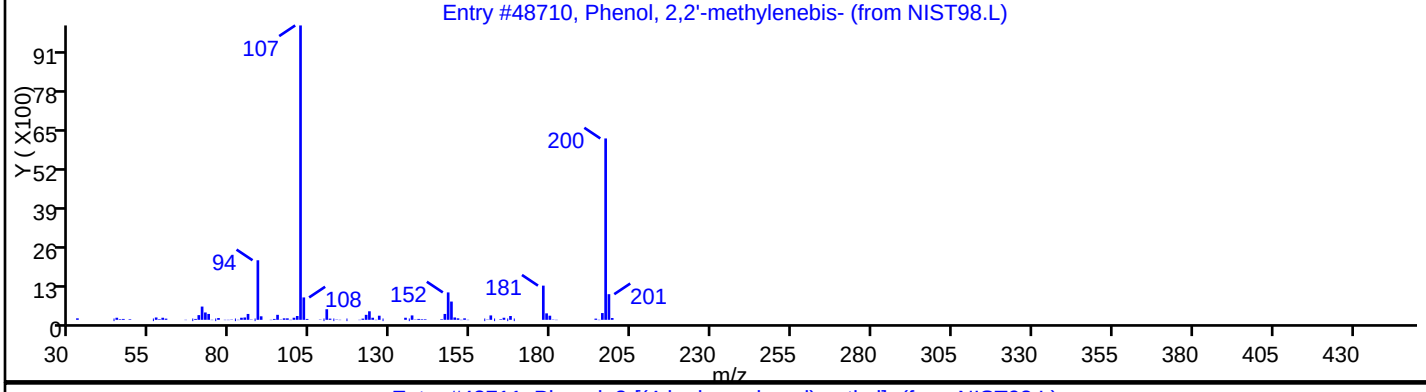
B10531[MS SCAN Spec]:Scan 1694 @ 12.235 min. (SUB)



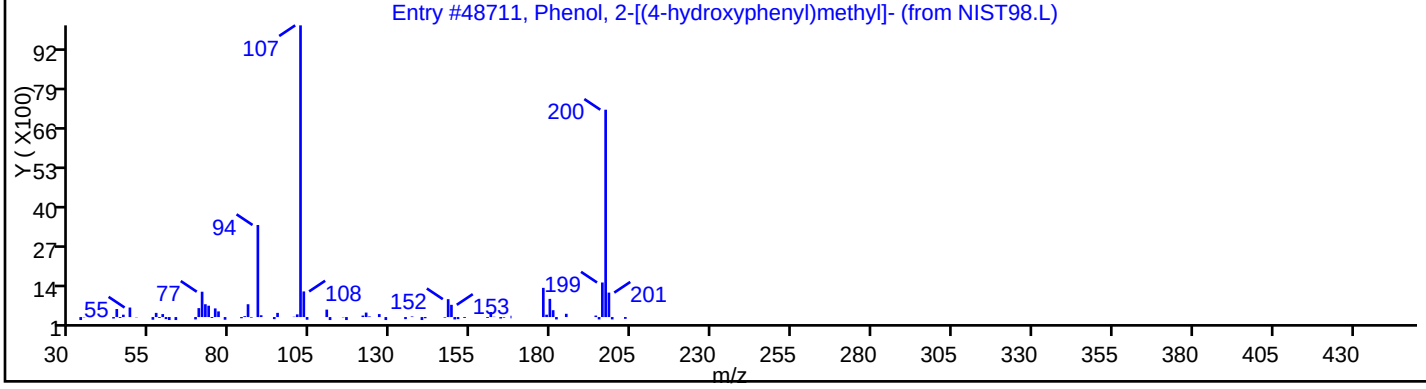
Entry #48712, Phenol, 4,4'-methylenebis- (from NIST98.L)



Entry #48710, Phenol, 2,2'-methylenebis- (from NIST98.L)



Entry #48711, Phenol, 2-[(4-hydroxyphenyl)methyl]- (from NIST98.L)



Report Date: 25-Sep-2009 15:05:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D

Inj Date: 24-Sep-2009 04:22:30 Limit Group: SMS - 8270LL SVOA Calibration

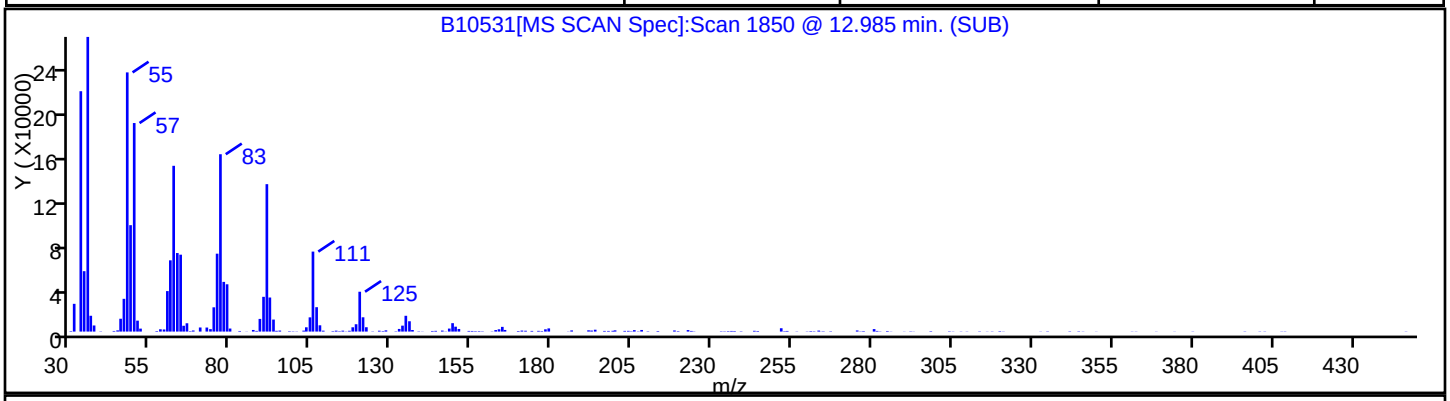
Lims Batch ID: 49444 Lims Sample ID: 43

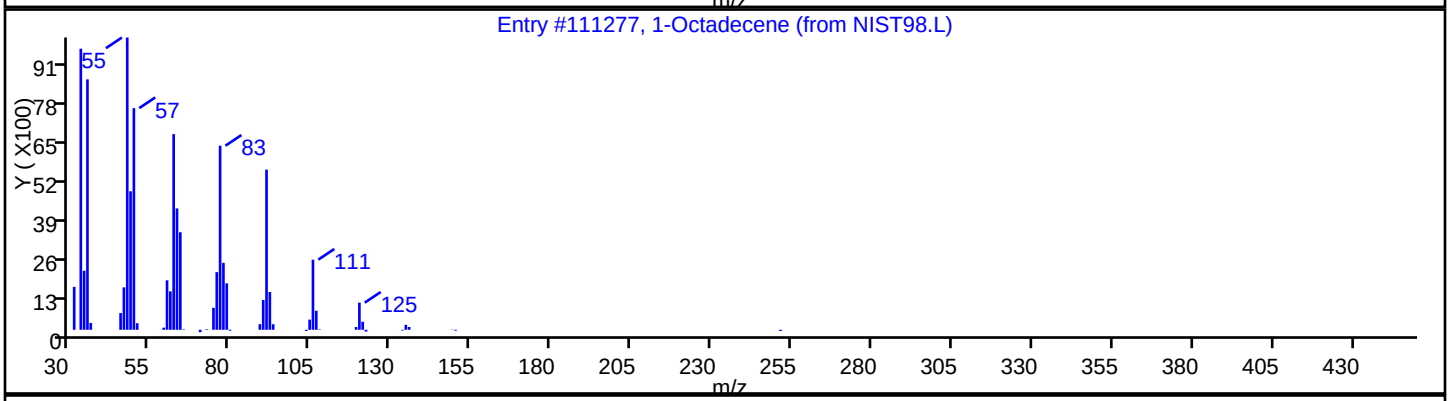
Client ID: OC-SB-468-0.0/1.0-XXX Instrument: Inst. B

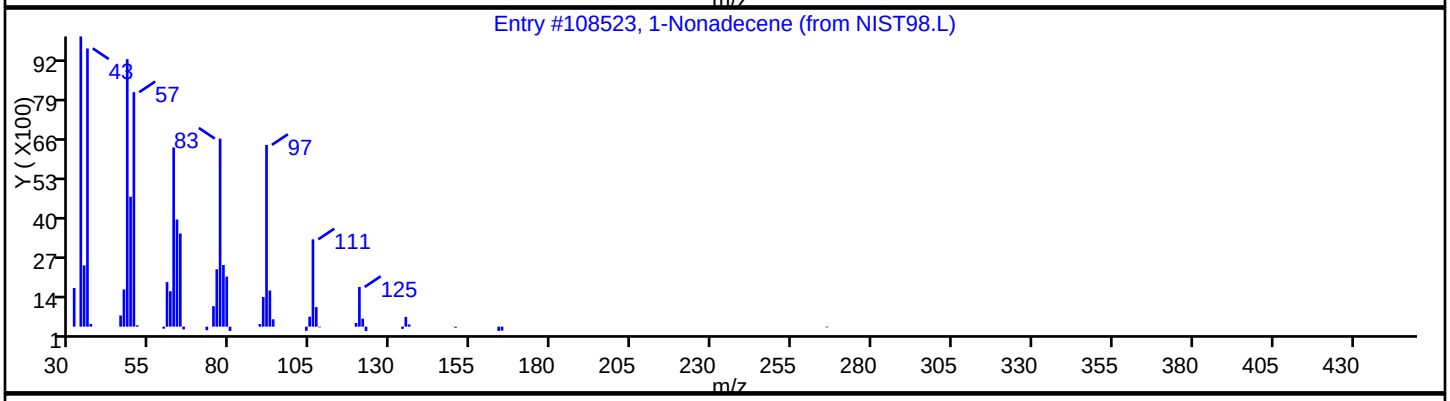
Sample Info: 24417A11C

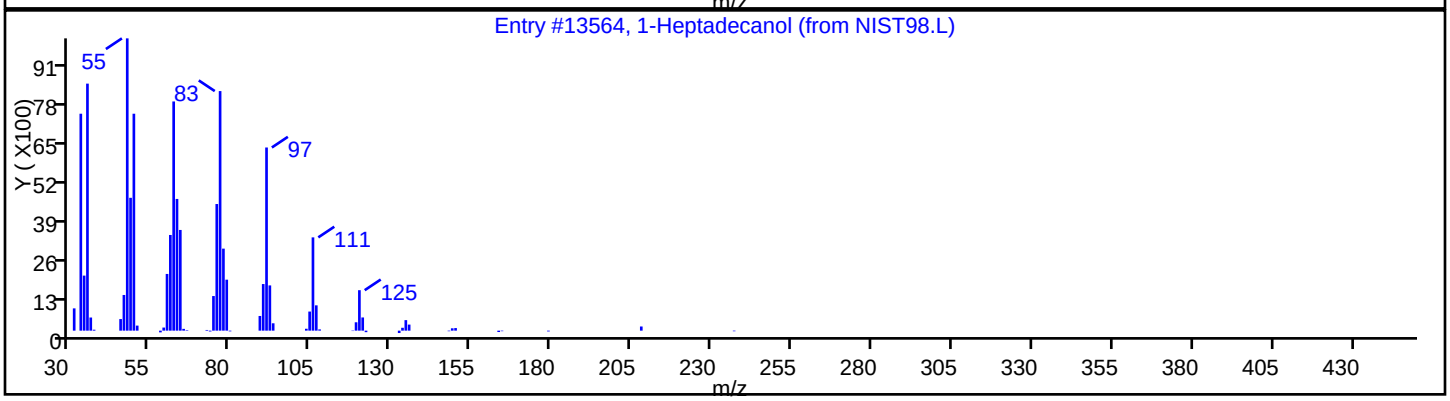
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Octadecene	112-88-9	NIST98.L	111277	98
1-Nonadecene	18435-45-5	NIST98.L	108523	94
1-Heptadecanol	1454-85-9	NIST98.L	13564	91









Report Date: 25-Sep-2009 15:05:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D

Inj Date: 24-Sep-2009 04:22:30 Limit Group: SMS - 8270LL SVOA Calibration

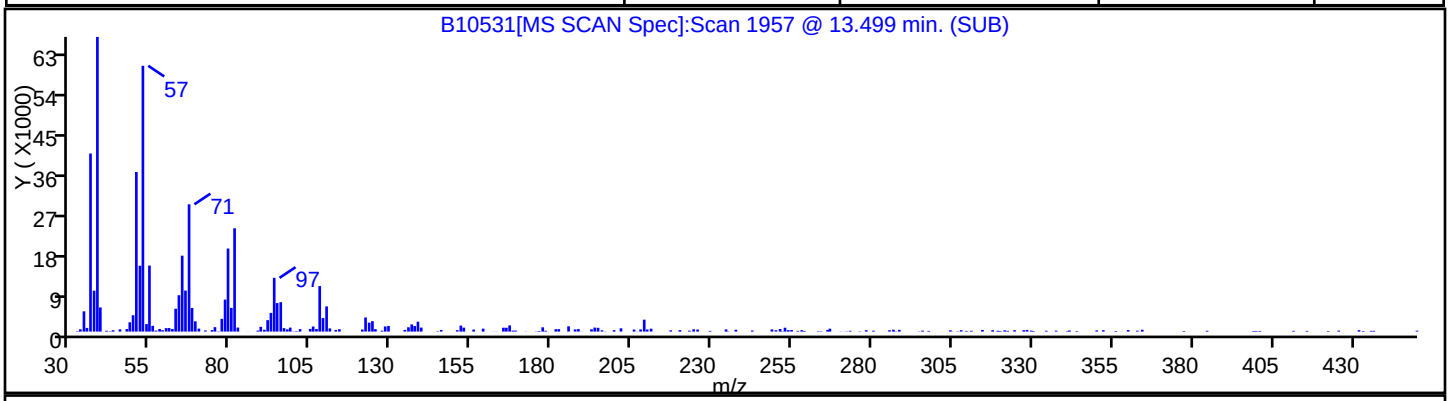
Lims Batch ID: 49444 Lims Sample ID: 43

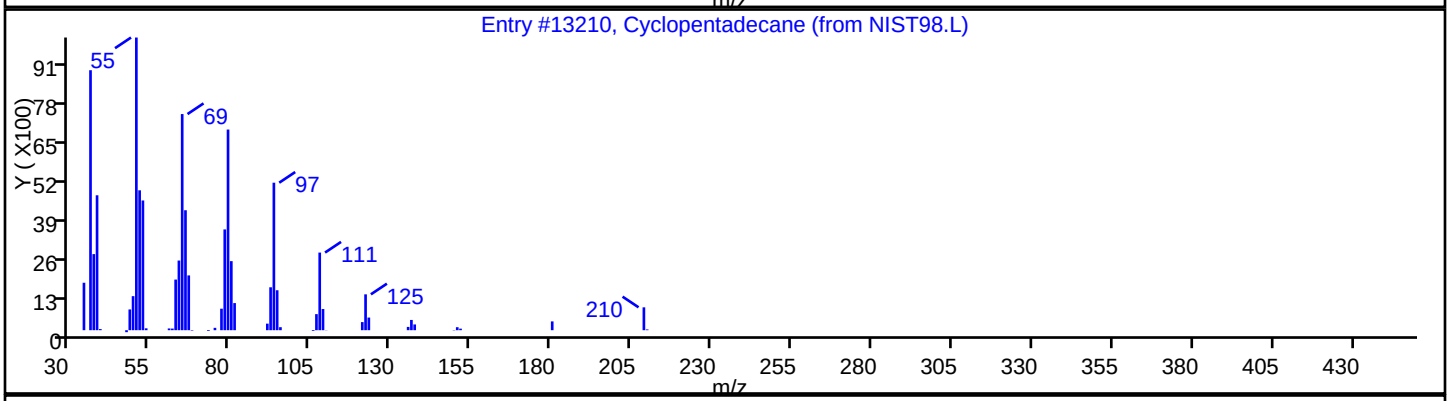
Client ID: OC-SB-468-0.0/1.0-XXX Instrument: Inst. B

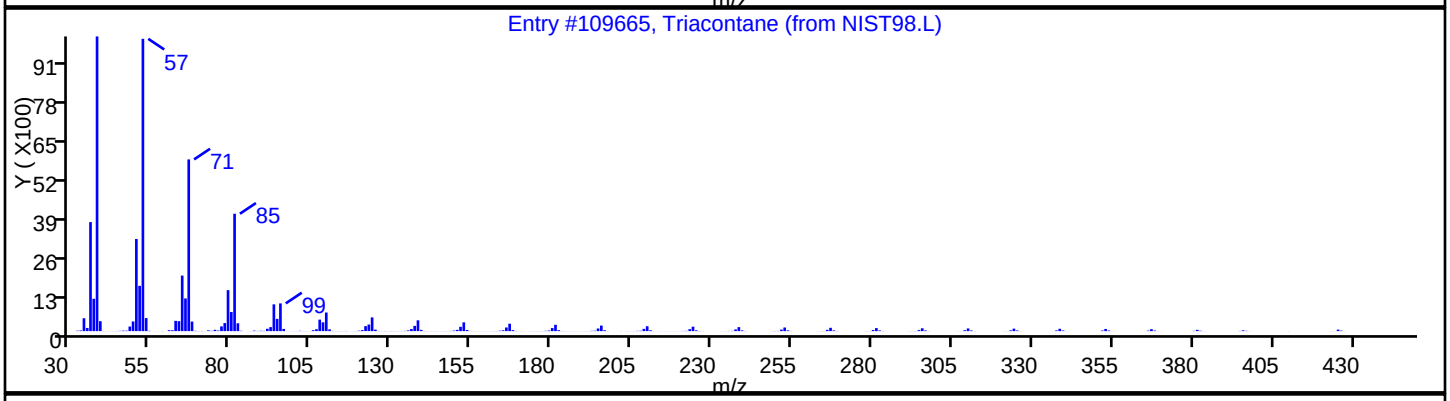
Sample Info: 24417A11C

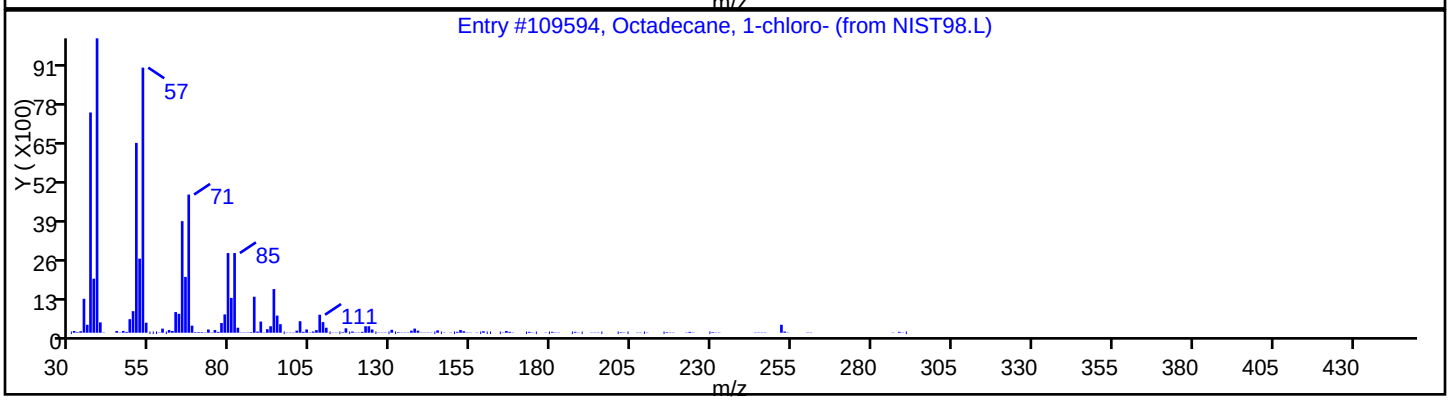
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclopentadecane	295-48-7	NIST98.L	13210	92
Triacontane	638-68-6	NIST98.L	109665	92
Octadecane, 1-chloro-	3386-33-2	NIST98.L	109594	91









Report Date: 25-Sep-2009 15:05:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D

Inj Date: 24-Sep-2009 04:22:30 Limit Group: SMS - 8270LL SVOA Calibration

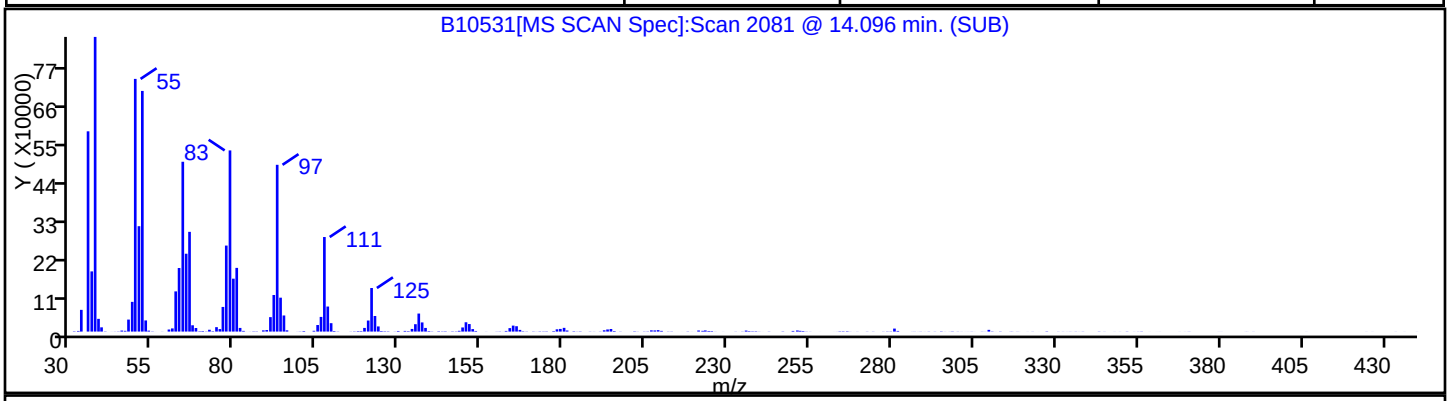
Lims Batch ID: 49444 Lims Sample ID: 43

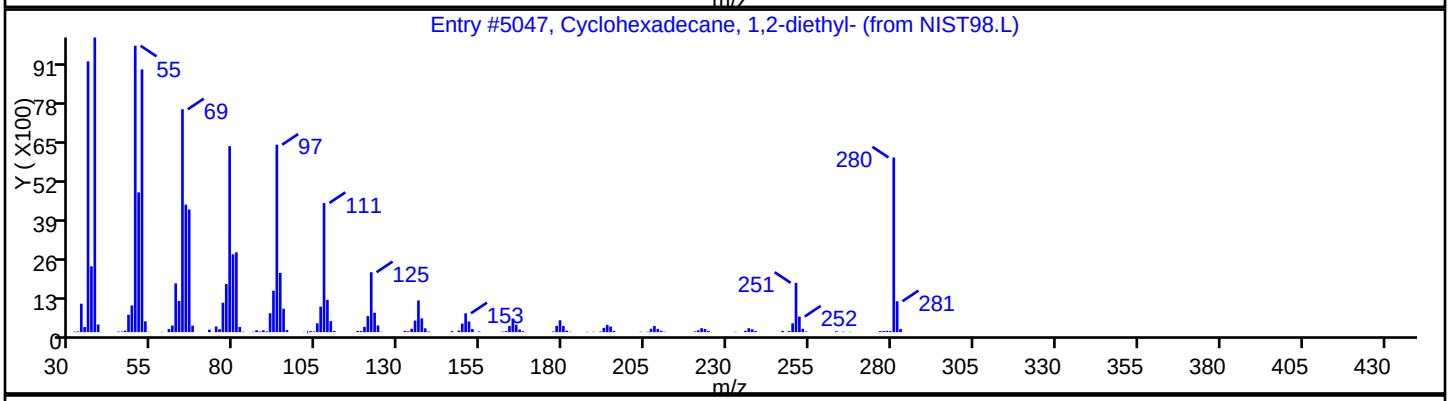
Client ID: OC-SB-468-0.0/1.0-XXX Instrument: Inst. B

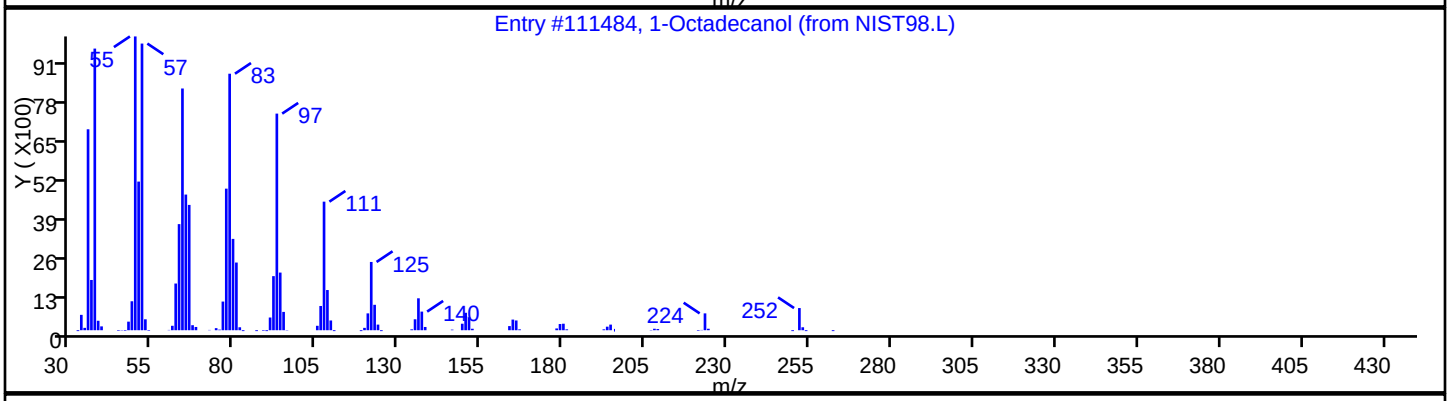
Sample Info: 24417A11C

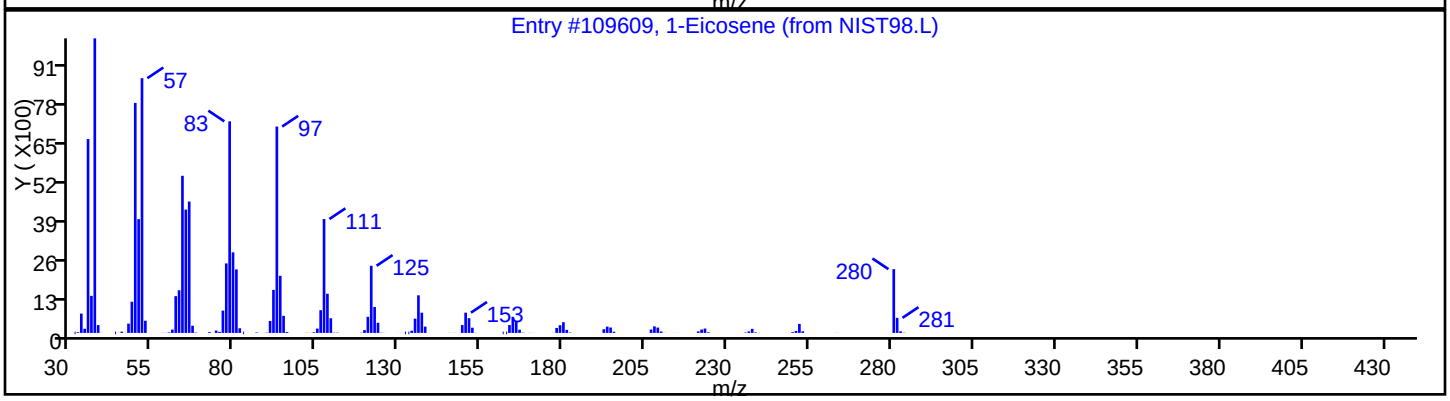
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclohexadecane, 1,2-diethyl-	1000155-85-3	NIST98.L	5047	97
1-Octadecanol	112-92-5	NIST98.L	111484	94
1-Eicosene	3452-7-1	NIST98.L	109609	93









Report Date: 25-Sep-2009 15:05:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D

Inj Date: 24-Sep-2009 04:22:30 Limit Group: SMS - 8270LL SVOA Calibration

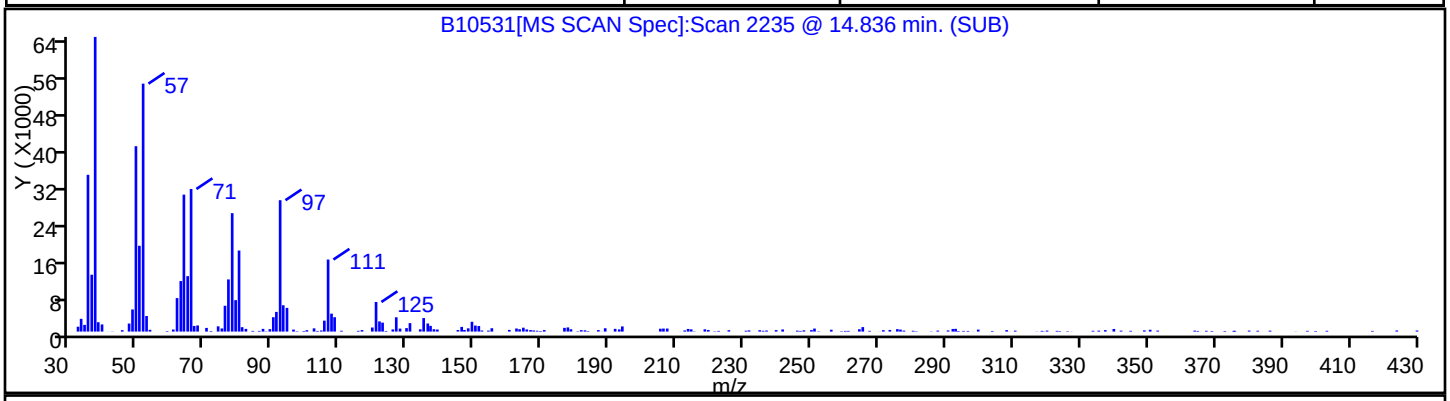
Lims Batch ID: 49444 Lims Sample ID: 43

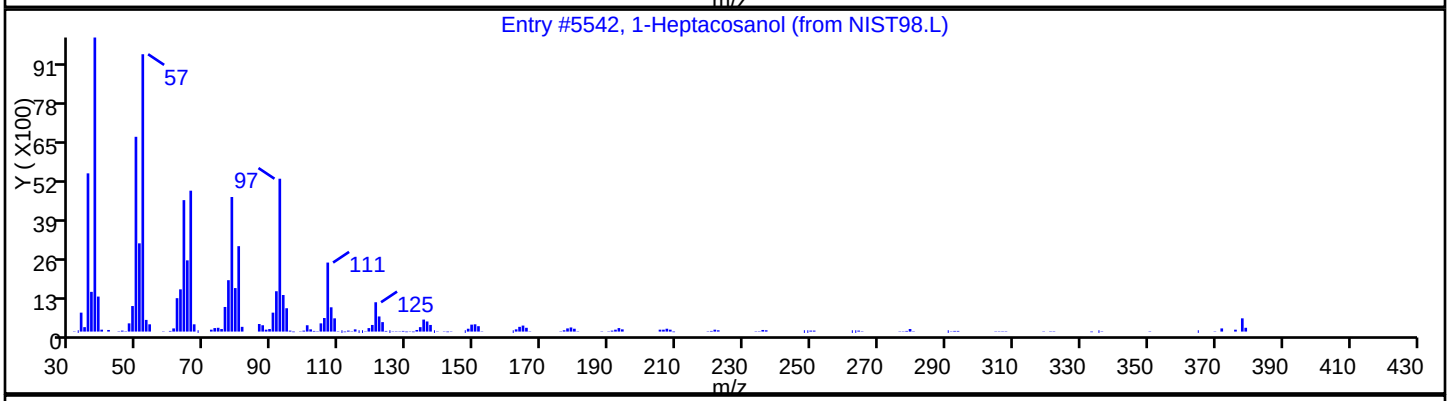
Client ID: OC-SB-468-0.0/1.0-XXX Instrument: Inst. B

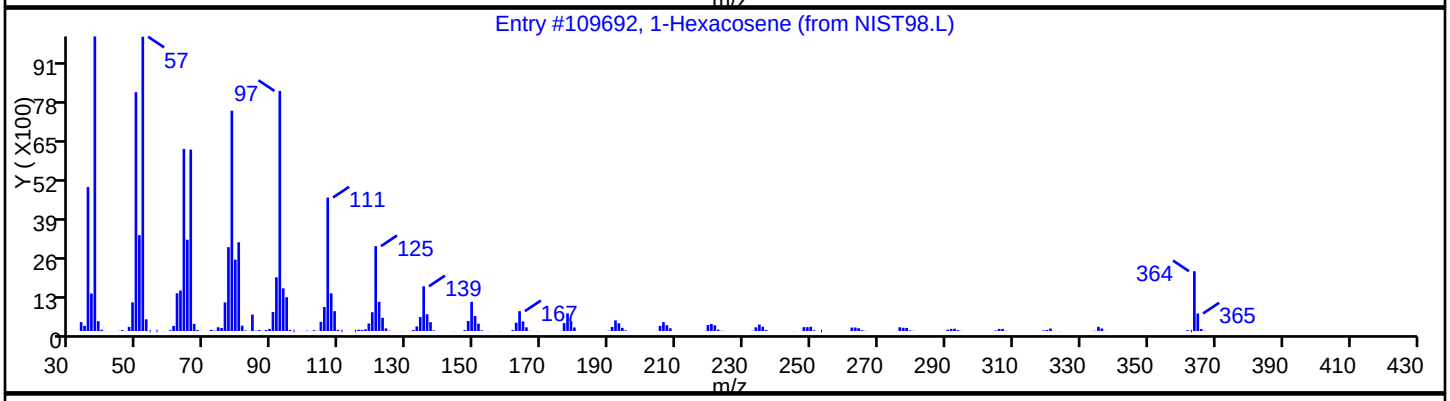
Sample Info: 24417A11C

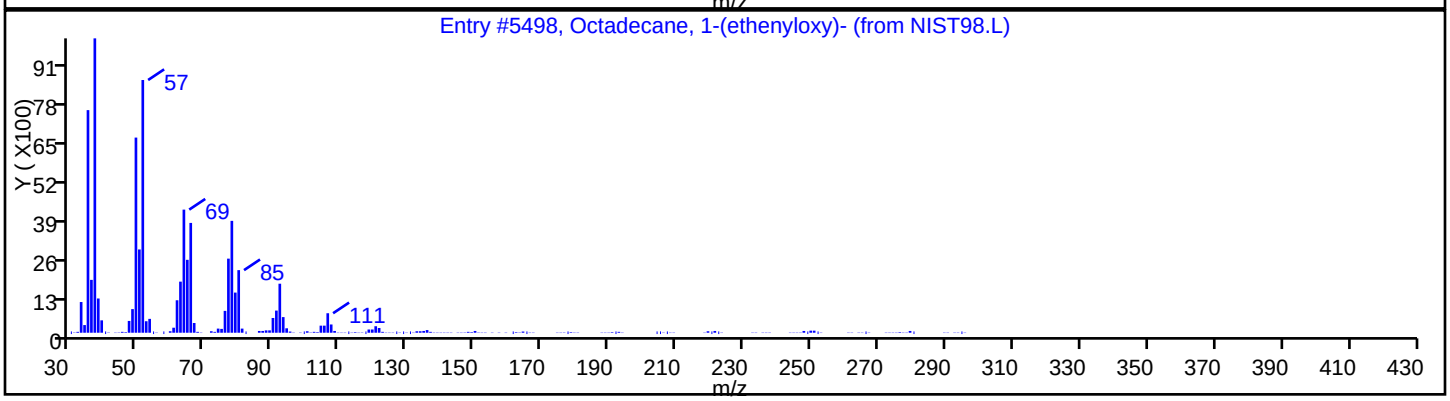
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Heptacosanol	2004-39-9	NIST98.L	5542	90
1-Hexacosene	18835-33-1	NIST98.L	109692	89
Octadecane, 1-(ethenyloxy)-	930-2-9	NIST98.L	5498	83









Report Date: 25-Sep-2009 15:05:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D

Inj Date: 24-Sep-2009 04:22:30 Limit Group: SMS - 8270LL SVOA Calibration

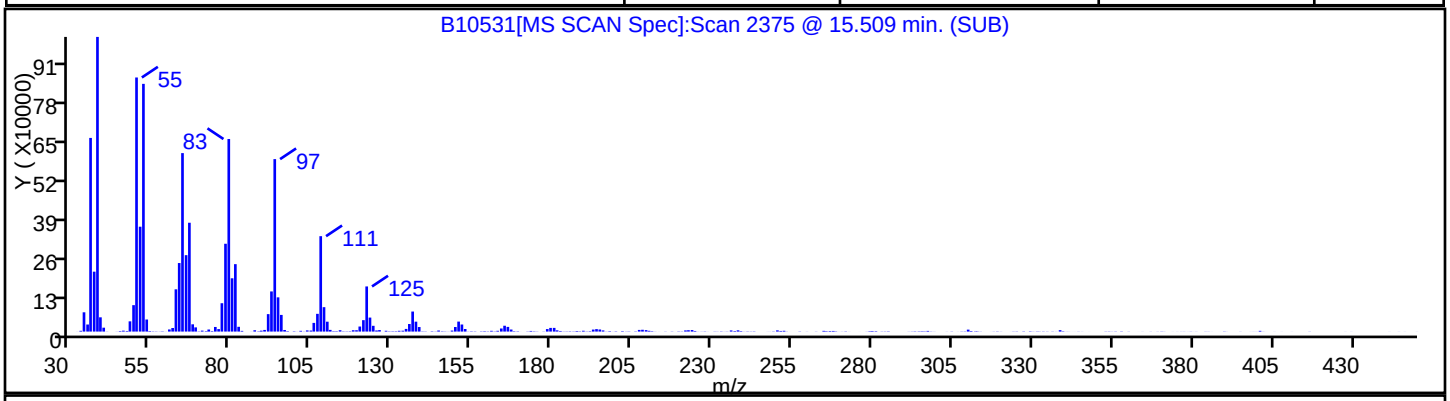
Lims Batch ID: 49444 Lims Sample ID: 43

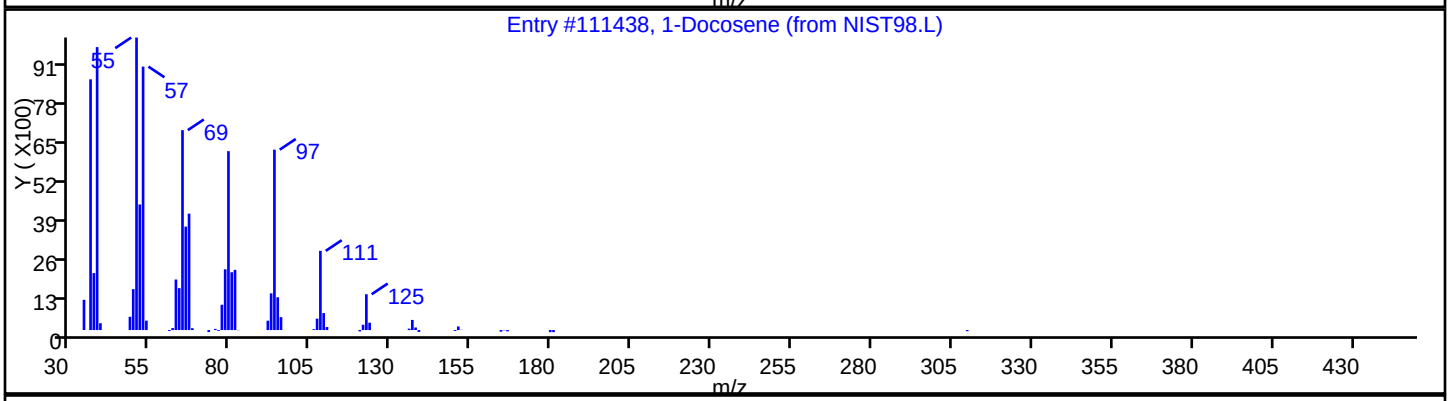
Client ID: OC-SB-468-0.0/1.0-XXX Instrument: Inst. B

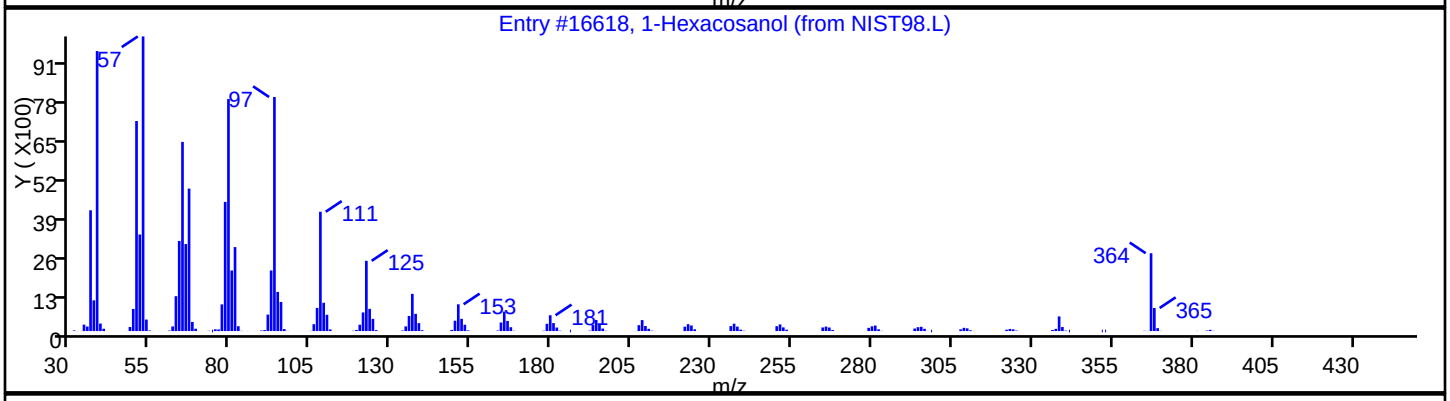
Sample Info: 24417A11C

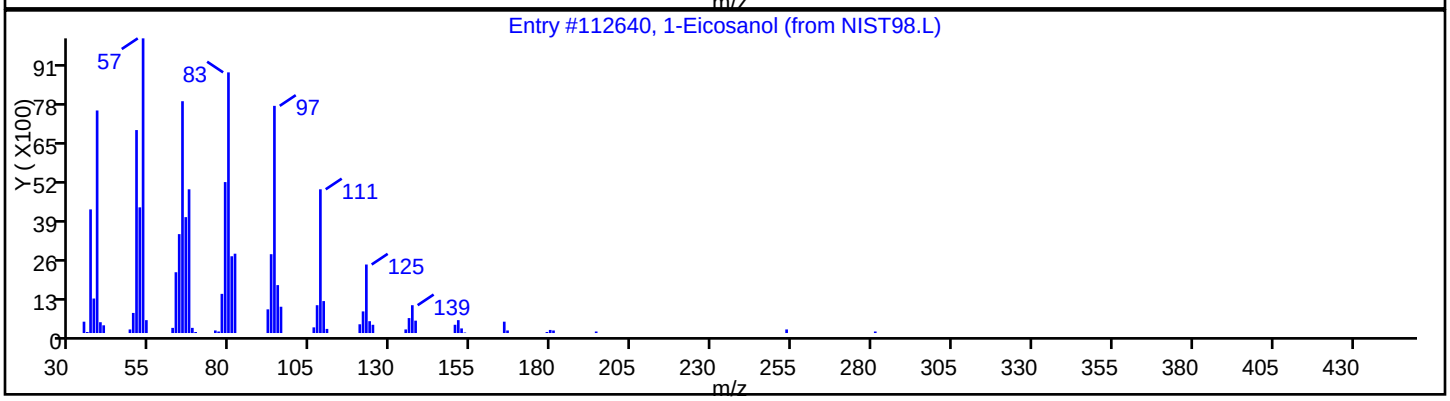
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Docosene	1599-67-3	NIST98.L	111438	98
1-Hexacosanol	506-52-5	NIST98.L	16618	96
1-Eicosanol	629-96-9	NIST98.L	112640	91









Report Date: 25-Sep-2009 15:05:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D

Inj Date: 24-Sep-2009 04:22:30 Limit Group: SMS - 8270LL SVOA Calibration

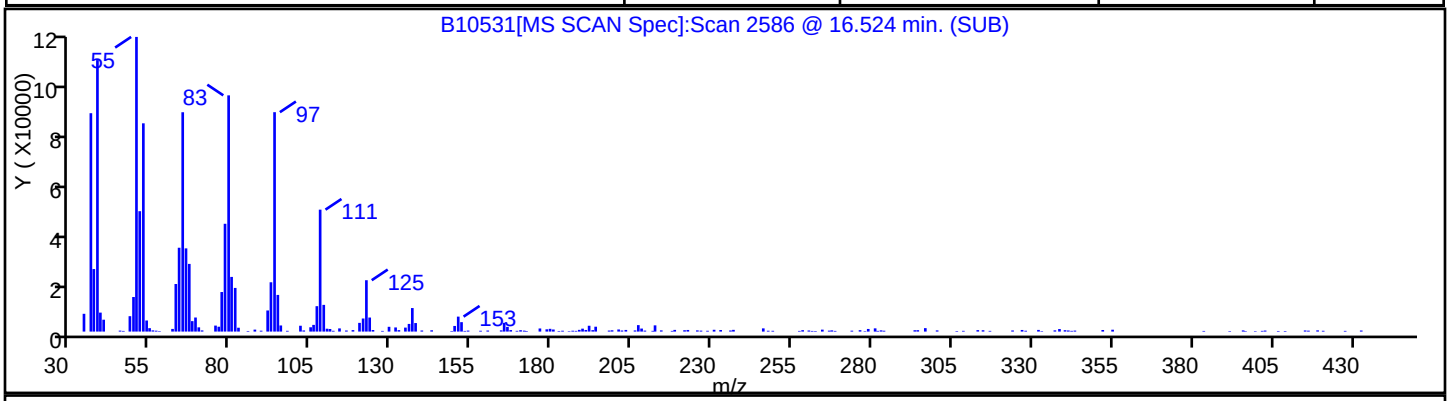
Lims Batch ID: 49444 Lims Sample ID: 43

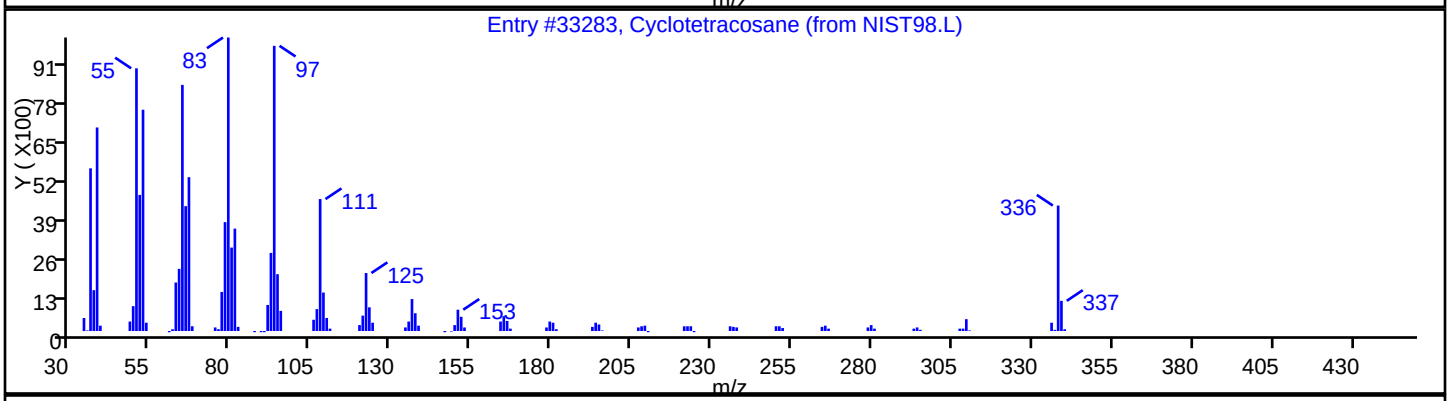
Client ID: OC-SB-468-0.0/1.0-XXX Instrument: Inst. B

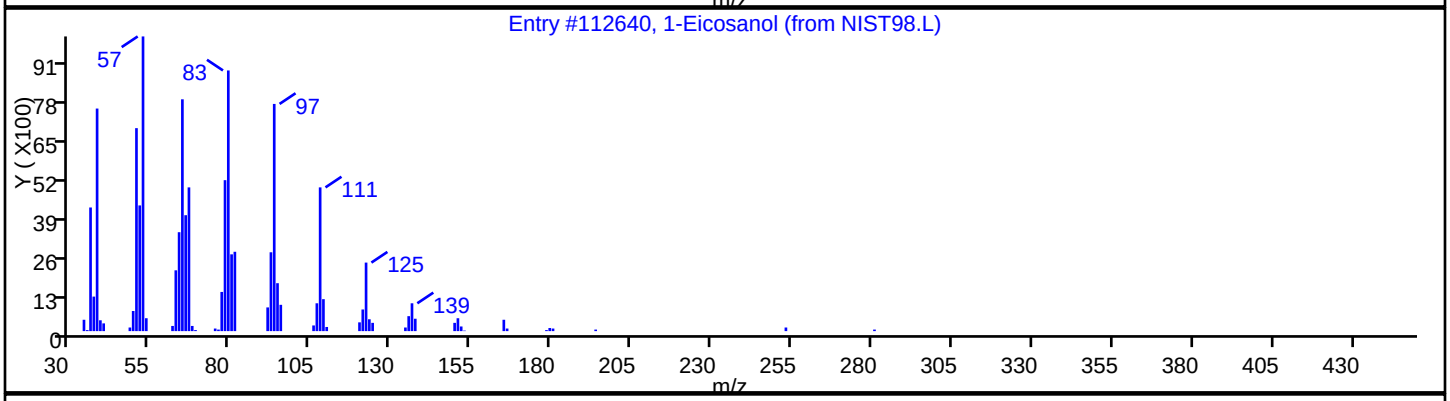
Sample Info: 24417A11C

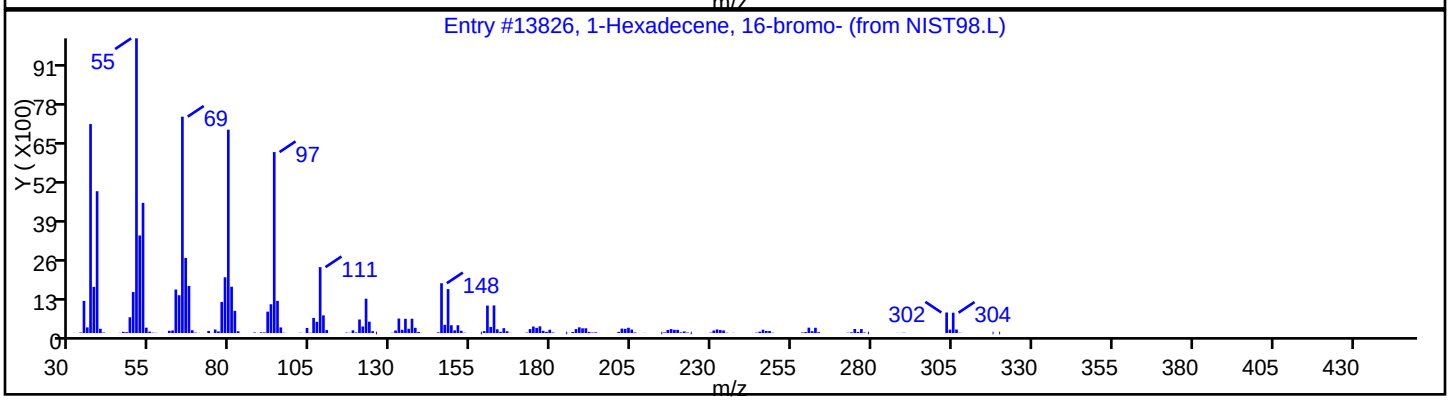
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetracosane	297-3-0	NIST98.L	33283	93
1-Eicosanol	629-96-9	NIST98.L	112640	91
1-Hexadecene, 16-bromo-	118625-56-2	NIST98.L	13826	90





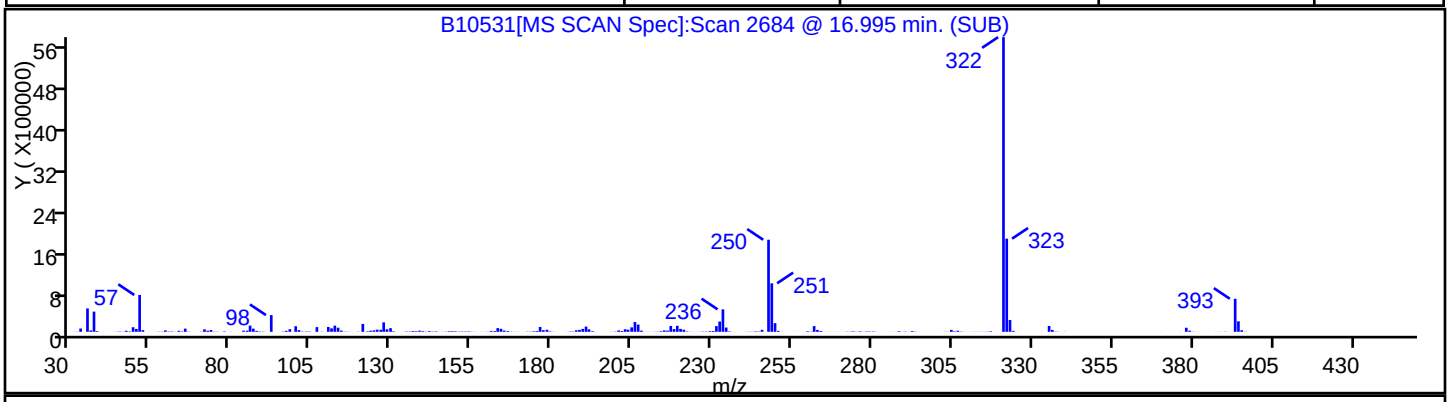


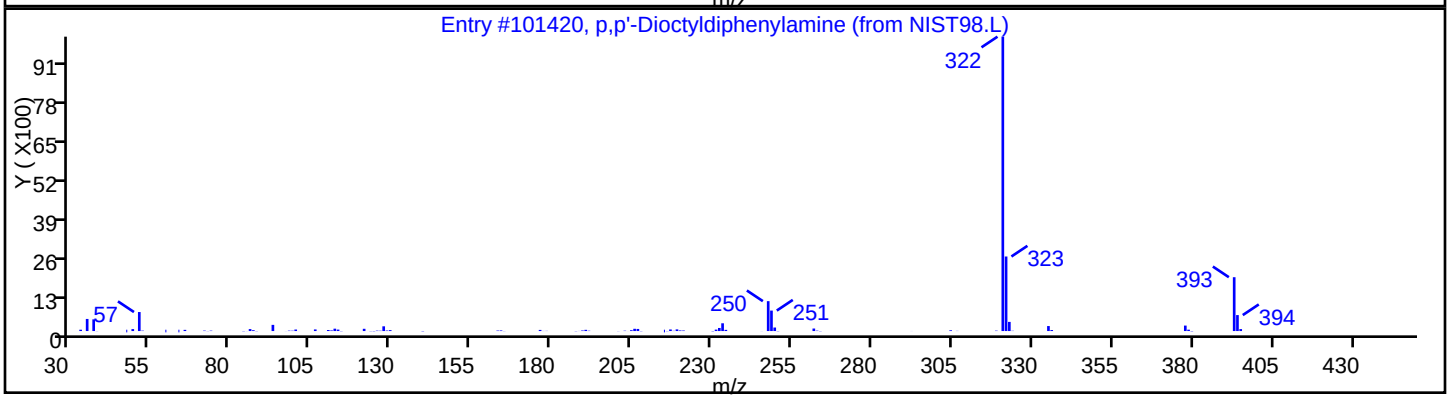


Report Date: 25-Sep-2009 15:05:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10531.D		
Inj Date:	24-Sep-2009 04:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	43
Client ID:	OC-SB-468-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24417A11C		
Sample Amount:	1.00 ul	Operator:	MZ

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





FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-0.0/1.0-XXX DL3 | Lab Sample ID: 360-24417-11 DL3

Matrix: Solid | Lab File ID:

Analysis Method: 8270C LL | Date Collected: 09/02/2009 10:05

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.14(g) | Date Analyzed: 09/29/2009 00:48

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

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

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49639 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
122-39-4	Diphenylamine	19	J	38	11
86-30-6	N-Nitrosodiphenylamine	ND		38	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-8.0/10-XXX | Lab Sample ID: 360-24417-13

Matrix: Solid | Lab File ID: J03061.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 10:10

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

Sample wt/vol: 30.70(g) | Date Analyzed: 09/22/2009 00:51

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

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

% Moisture: 12.8 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		37	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		37	11
120-82-1	1,2,4-Trichlorobenzene	ND		37	11
95-50-1	1,2-Dichlorobenzene	ND		37	11
541-73-1	1,3-Dichlorobenzene	ND		37	11
106-46-7	1,4-Dichlorobenzene	ND		37	11
90-12-0	1-Methylnaphthalene	ND		37	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		37	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		37	11
95-95-4	2,4,5-Trichlorophenol	ND		37	11
88-06-2	2,4,6-Trichlorophenol	ND		37	11
120-83-2	2,4-Dichlorophenol	ND		37	11
105-67-9	2,4-Dimethylphenol	ND		37	15
51-28-5	2,4-Dinitrophenol	ND		37	11
121-14-2	2,4-Dinitrotoluene	ND		37	11
606-20-2	2,6-Dinitrotoluene	ND		37	11
91-58-7	2-Chloronaphthalene	ND		37	11
95-57-8	2-Chlorophenol	ND		37	11
91-57-6	2-Methylnaphthalene	ND		37	11
95-48-7	2-Methylphenol	ND		37	22
88-74-4	2-Nitroaniline	ND		190	11
88-75-5	2-Nitrophenol	ND		37	11
15831-10-4	3 & 4 Methylphenol	ND		37	11
91-94-1	3,3'-Dichlorobenzidine	ND		75	11
99-09-2	3-Nitroaniline	ND		190	11
534-52-1	4,6-Dinitro-2-methylphenol	ND		190	11
101-55-3	4-Bromophenyl phenyl ether	ND		37	11
59-50-7	4-Chloro-3-methylphenol	ND		75	11
106-47-8	4-Chloroaniline	ND		75	11
7005-72-3	4-Chlorophenyl phenyl ether	ND		37	11
100-01-6	4-Nitroaniline	ND		190	11
100-02-7	4-Nitrophenol	ND		190	11
83-32-9	Acenaphthene	ND		37	11
208-96-8	Acenaphthylene	ND		37	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-8.0/10-XXX | Lab Sample ID: 360-24417-13

Matrix: Solid | Lab File ID: J03061.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 10:10

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

Sample wt/vol: 30.70(g) | Date Analyzed: 09/22/2009 00:51

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

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

% Moisture: 12.8 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		37	11
62-53-3	Aniline	ND		37	11
120-12-7	Anthracene	ND		37	11
1912-24-9	Atrazine	ND		37	11
103-33-3	Azobenzene	ND		37	11
100-52-7	Benzaldehyde	ND		37	11
56-55-3	Benzo[a]anthracene	ND		37	11
50-32-8	Benzo[a]pyrene	ND		37	11
205-99-2	Benzo[b]fluoranthene	ND		37	11
191-24-2	Benzo[g,h,i]perylene	ND		37	11
207-08-9	Benzo[k]fluoranthene	ND		37	11
65-85-0	Benzoic acid	ND		190	17
119-61-9	Benzophenone	ND		37	11
100-51-6	Benzyl alcohol	ND		75	32
111-91-1	Bis(2-chloroethoxy)methane	ND		37	11
111-44-4	Bis(2-chloroethyl)ether	ND		37	11
117-81-7	Bis(2-ethylhexyl) phthalate	55		37	11
85-68-7	Butyl benzyl phthalate	ND		37	11
105-60-2	Caprolactam	ND		37	11
86-74-8	Carbazole	ND		37	11
218-01-9	Chrysene	ND		37	11
53-70-3	Dibenz(a,h)anthracene	ND		37	11
132-64-9	Dibenzofuran	ND		37	11
84-66-2	Diethyl phthalate	ND		37	11
131-11-3	Dimethyl phthalate	ND		37	11
84-74-2	Di-n-butyl phthalate	ND		37	33
117-84-0	Di-n-octyl phthalate	ND		37	19
101-84-8	Diphenyl oxide	ND		37	11
122-39-4	Diphenylamine	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		75	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-8.0/10-XXX | Lab Sample ID: 360-24417-13

Matrix: Solid | Lab File ID: J03061.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 10:10

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

Sample wt/vol: 30.70(g) | Date Analyzed: 09/22/2009 00:51

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

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

% Moisture: 12.8 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	ND		37	11
193-39-5	Indeno[1,2,3-cd]pyrene	ND		37	11
78-59-1	Isophorone	ND		37	11
91-20-3	Naphthalene	ND		90	11
98-95-3	Nitrobenzene	ND		37	11
62-75-9	N-Nitrosodimethylamine	ND		37	13
621-64-7	N-Nitrosodi-n-propylamine	ND		37	11
86-30-6	N-Nitrosodiphenylamine	ND		37	11
87-86-5	Pentachlorophenol	ND		37	11
85-01-8	Phenanthrene	ND		45	11
108-95-2	Phenol	ND		37	11
129-00-0	Pyrene	ND		37	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	60	30-130	
367-12-4	2-Fluorophenol	66	30-130	
321-60-8	2-Fluorobiphenyl	62	30-130	
4165-60-0	Nitrobenzene-d5	58	30-130	
4165-62-2	Phenol-d5	68	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.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-8.0/10-XXX | Lab Sample ID: 360-24417-13

Matrix: Solid | Lab File ID: J03061.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 10:10

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

Sample wt/vol: 30.70(g) | Date Analyzed: 09/22/2009 00:51

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

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

% Moisture: 12.8 | GPC Cleanup:(Y/N) N

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

Number TICs Found: 2 | TIC Result Total: 250

CAS NO.	COMPOUND NAME	RT	RESULT	Q
10544-50-0	Cyclic octaatomic sulfur	12.01	170	T J N
7683-64-9	Squalene	14.35	80	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03061.D		
Lims ID:	360-24417-A-13-C	Client ID:	OC-SB-468-8.0/10-XXX
Inject. Date:	22-Sep-2009 00:51:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-13-c		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	23
Lims Batch ID:	49260	Lims Sample ID:	23
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:21:59	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 15:21:59

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.301	6.302	-0.001	85516	2.00	
* 2 Naphthalene-d8	136	7.638	7.643	-0.005	213418	2.00	
* 3 Acenaphthene-d10	164	9.369	9.370	-0.001	102716	2.00	
* 4 Phenanthrene-d10	188	10.807	10.808	-0.001	166560	2.00	
* 5 Chrysene-d12	240	13.370	13.371	-0.001	104394	2.00	
* 6 Perylene-d12	264	14.707	14.708	-0.001	79936	2.00	
$ 7 2-Fluorophenol	112	4.493	4.436	0.057	178064	6.55	
$ 8 Phenol-d5	99	5.974	5.965	0.009	215229	6.76	
$ 9 Nitrobenzene-d5	82	6.917	6.917	0.000	96193	2.89	
$ 10 2-Fluorobiphenyl	172	8.735	8.735	0.000	201169	3.09	
$ 11 2,4,6-Tribromophenol	330	10.139	10.139	0.000	45325	5.97	
$ 12 Terphenyl-d14	244	12.385	12.385	0.000	160825	3.63	
30 Acetophenone	105	6.773	6.768	0.005	1569	0.0441	
54 Phenyl ether	170	8.937	8.937	0.000	2265	0.0602	
66 Diethyl phthalate	149	9.846	9.846	0.000	745	0.0120	
84 Di-n-butyl phthalate	149	11.447	11.447	0.000	15631	0.2134	
89 Butyl benzyl phthalate	149	12.894	12.895	-0.001	858	0.1450	
92 Bis(2-ethylhexyl) phthalate	149	13.481	13.481	0.000	70574	1.48	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03061.D		
Lims ID:	360-24417-A-13-C	Client ID:	OC-SB-468-8.0/10-XXX
Inject. Date:	22-Sep-2009 00:51:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-13-c		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	23
Lims Batch ID:	49260	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:21:59	Calib Date:	21-Sep-2009 18:59:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 15:21:59

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
10544-50-0 Cyclic octaatomic sulfur						
12.005	1050835	4.67	4	91	113565	
7683-64-9 Squalene						
14.351	241286	2.14	6	99	114263	

Quantitation Compounds

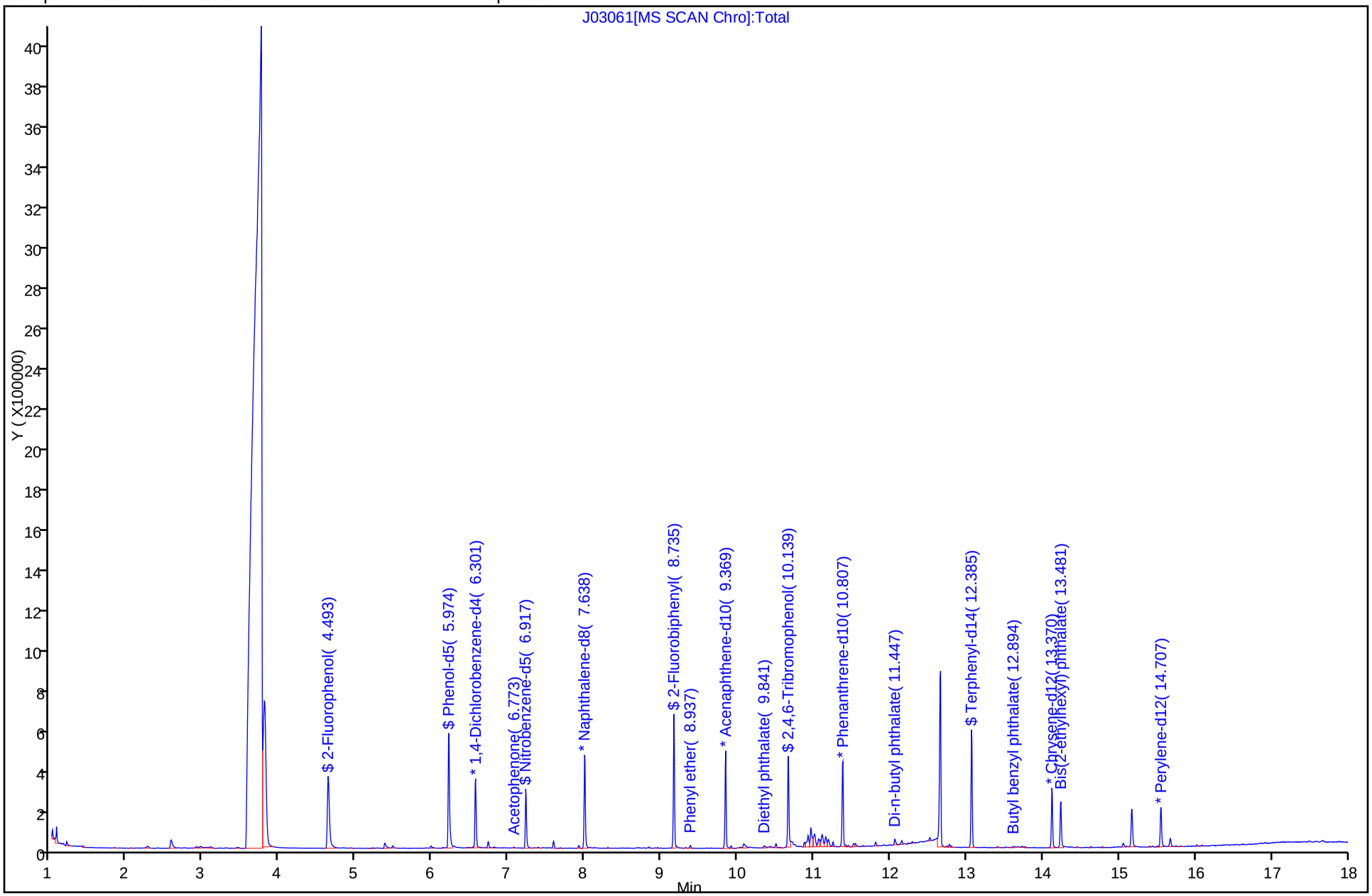
Compound	RT	Response	Amount ug/mL
* 4 Phenanthrene-d10	10.807	449775	2.00
* 6 Perylene-d12	14.707	225310	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 15:22:00 Chrom Revision: 1.1 20-Sep-2009 21:03:36

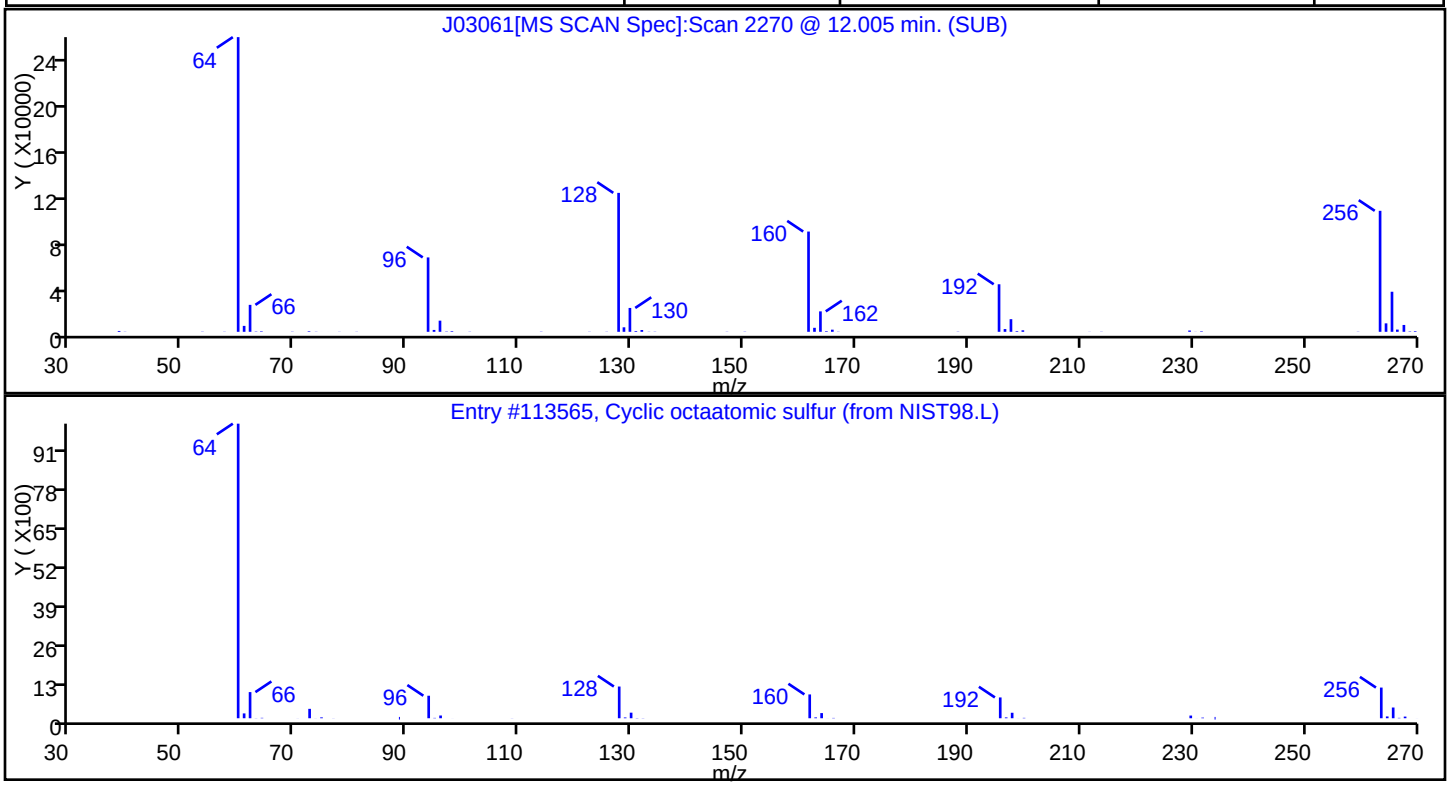
Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03061.D		
Inj Date:	22-Sep-2009 00:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	23
Client ID:	OC-SB-468-8.0/10-XXX	Instrument:	Inst. J
Sample Info:	360-24417-a-13-c		
Sample Amount:	1.00 ul	Operator:	



Report Date: 23-Sep-2009 15:22:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03061.D		
Inj Date:	22-Sep-2009 00:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	23
Client ID:	OC-SB-468-8.0/10-XXX	Instrument:	Inst. J
Sample Info:	360-24417-a-13-c		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclic octaatomic sulfur	10544-50-0	NIST98.L	113565	91



Report Date: 23-Sep-2009 15:22:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03061.D

Inj Date: 22-Sep-2009 00:51:30 Limit Group: SMS - 8270LL SVOA Calibration

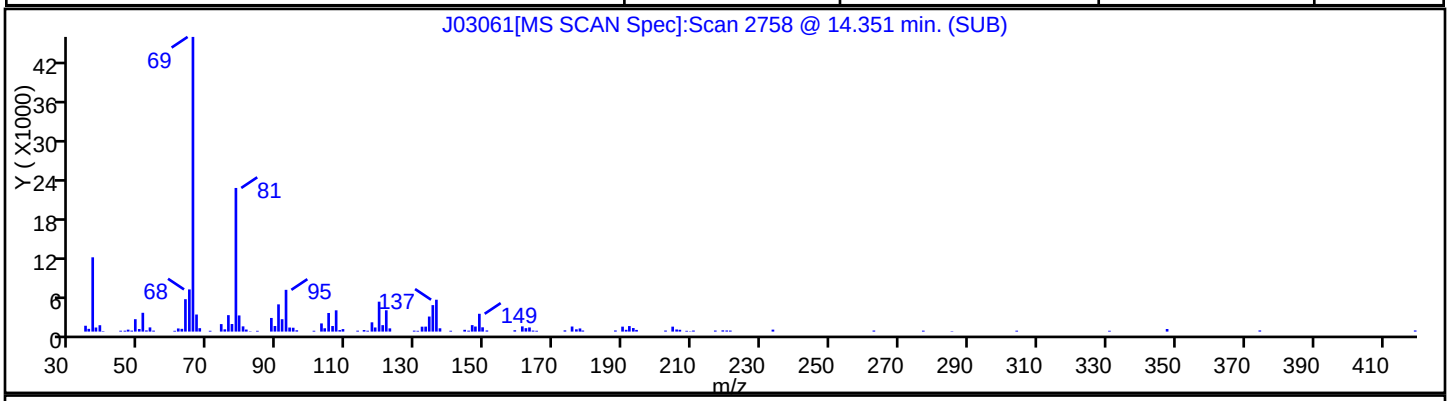
Lims Batch ID: 49260 Lims Sample ID: 23

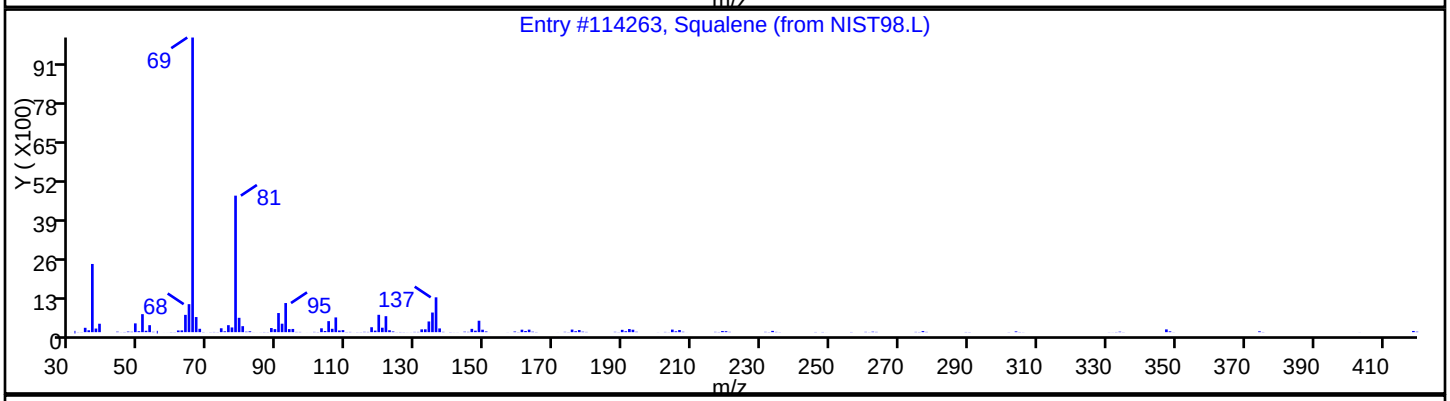
Client ID: OC-SB-468-8.0/10-XXX Instrument: Inst. J

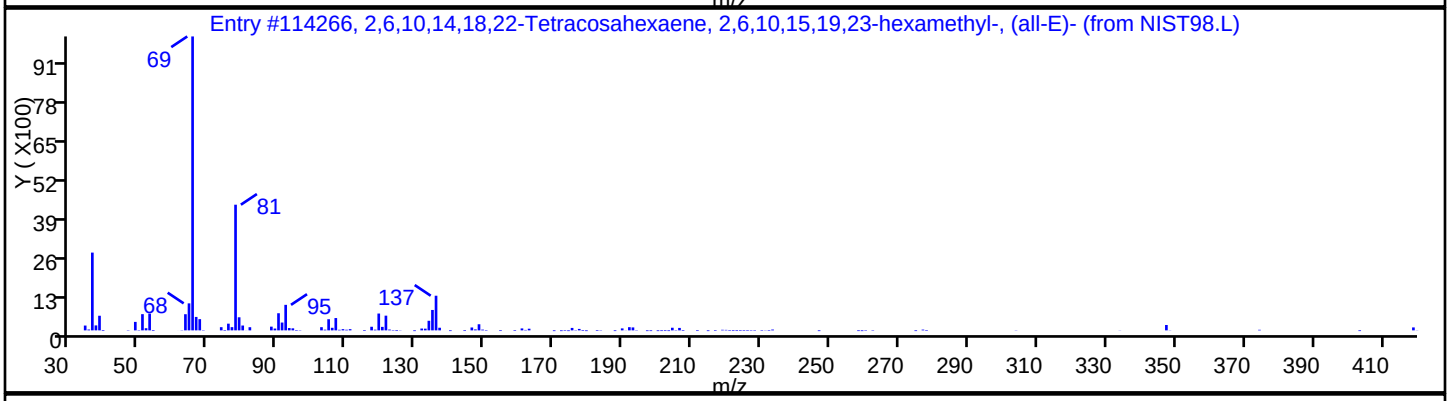
Sample Info: 360-24417-a-13-c

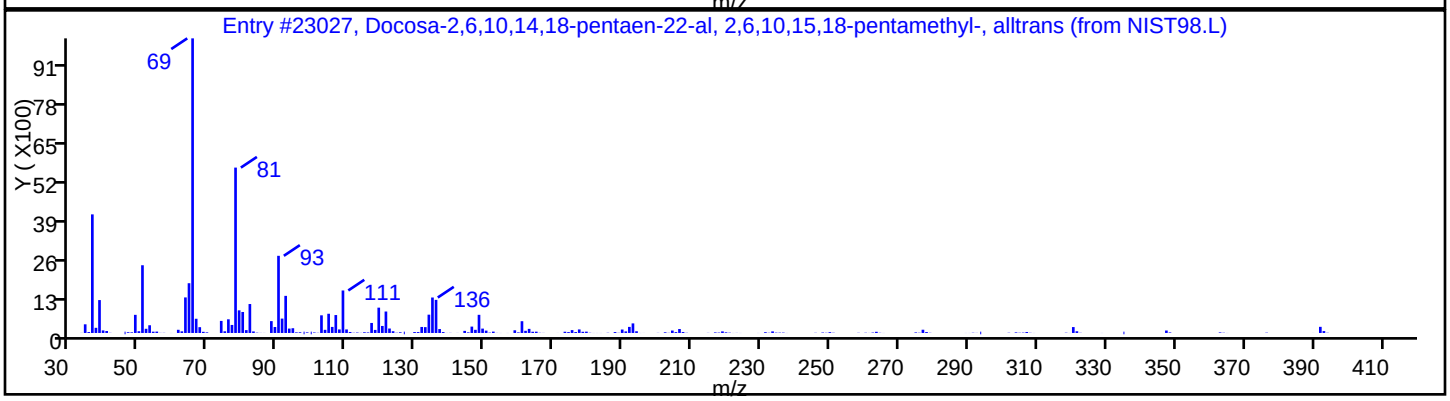
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	99
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	91
Docosa-2,6,10,14,18-pentaen-22-al, 2,6,1	1000163-4-7	NIST98.L	23027	90









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-8.0/10-XXX | Lab Sample ID: 360-24417-13

Matrix: Solid | Lab File ID: J03109.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 10:10

Extract. Method: 3550B | Date Extracted: 09/15/2009 12:06

Sample wt/vol: 100.02(g) | Date Analyzed: 09/24/2009 03:01

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

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

% Moisture: 12.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49397 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	ND		5.7	1.3

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	69	30-130	
321-60-8	2-Fluorobiphenyl	60	30-130	
367-12-4	2-Fluorophenol	58	30-130	
4165-60-0	Nitrobenzene-d5	56	30-130	
4165-62-2	Phenol-d5	66	30-130	
1718-51-0	Terphenyl-d14	78	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03109.D		
Lims ID:	360-24417-A-13-D	Client ID:	OC-SB-468-8.0/10-XXX
Inject. Date:	24-Sep-2009 03:01:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24417-13		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	49397	Lims Sample ID:	21
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 19:13:12	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	25-Sep-2009 19:20:44

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	8.578	8.575	0.003	78555	2.00	
* 2 Naphthalene-d8	136	9.891	9.888	0.003	193091	2.00	
* 3 Acenaphthene-d10	164	11.689	11.686	0.003	96859	2.00	
* 4 Phenanthrene-d10	188	13.185	13.182	0.003	155365	2.00	
* 5 Chrysene-d12	240	16.008	16.004	0.004	104933	2.00	
* 6 Perylene-d12	264	17.912	17.909	0.003	71594	2.00	
$ 7 2-Fluorophenol	112	7.237	7.233	0.004	142632	5.79	
$ 8 Phenol-d5	99	8.193	8.190	0.003	199910	6.62	
$ 9 Nitrobenzene-d5	82	9.174	9.171	0.003	84552	2.82	
$ 10 2-Fluorobiphenyl	172	10.963	10.960	0.003	193871	3.01	
$ 11 2,4,6-Tribromophenol	330	12.493	12.489	0.004	46110	6.95	
$ 12 Terphenyl-d14	244	14.777	14.778	-0.001	169056	3.88	
17 Benzaldehyde	105	8.145	8.142	0.003	1216	0.0731	
18 Phenol	94	8.203	8.205	-0.002	5578	0.1730	
19 Aniline	93	8.290	8.277	0.013	1052	0.0281	
20 Bis(2-chloroethyl)ether	93	8.309	8.310	-0.001	298	0.0111	
21 2-Chlorophenol	128	8.386	8.387	-0.001	330	0.0128	
22 1,4-Dichlorobenzene	146	8.540	8.536	0.004	676	0.0222	
23 1,3-Dichlorobenzene	146	8.593	8.589	0.004	467	0.0148	
24 Benzyl alcohol	79	8.713	8.709	0.004	1762	0.0845	
25 1,2-Dichlorobenzene	146	8.795	8.791	0.004	545	0.0184	
26 2-Methylphenol	108	8.713	8.815	-0.102	1522	0.0655	
27 2,2'-oxybis[1-chloropropane]	45	8.771	8.854	-0.083	400	0.0154	
29 N-Nitrosodi-n-propylamine	70	9.069	8.998	0.071	199	0.0114	
30 Acetophenone	105	9.001	8.998	0.003	1004	0.0295	
32 Nitrobenzene	77	9.174	9.190	-0.016	896	0.0294	
36 Benzoic acid	105	9.521	9.565	-0.043	1229	0.1520	
39 1,2,4-Trichlorobenzene	180	9.838	9.835	0.003	565	0.0213	

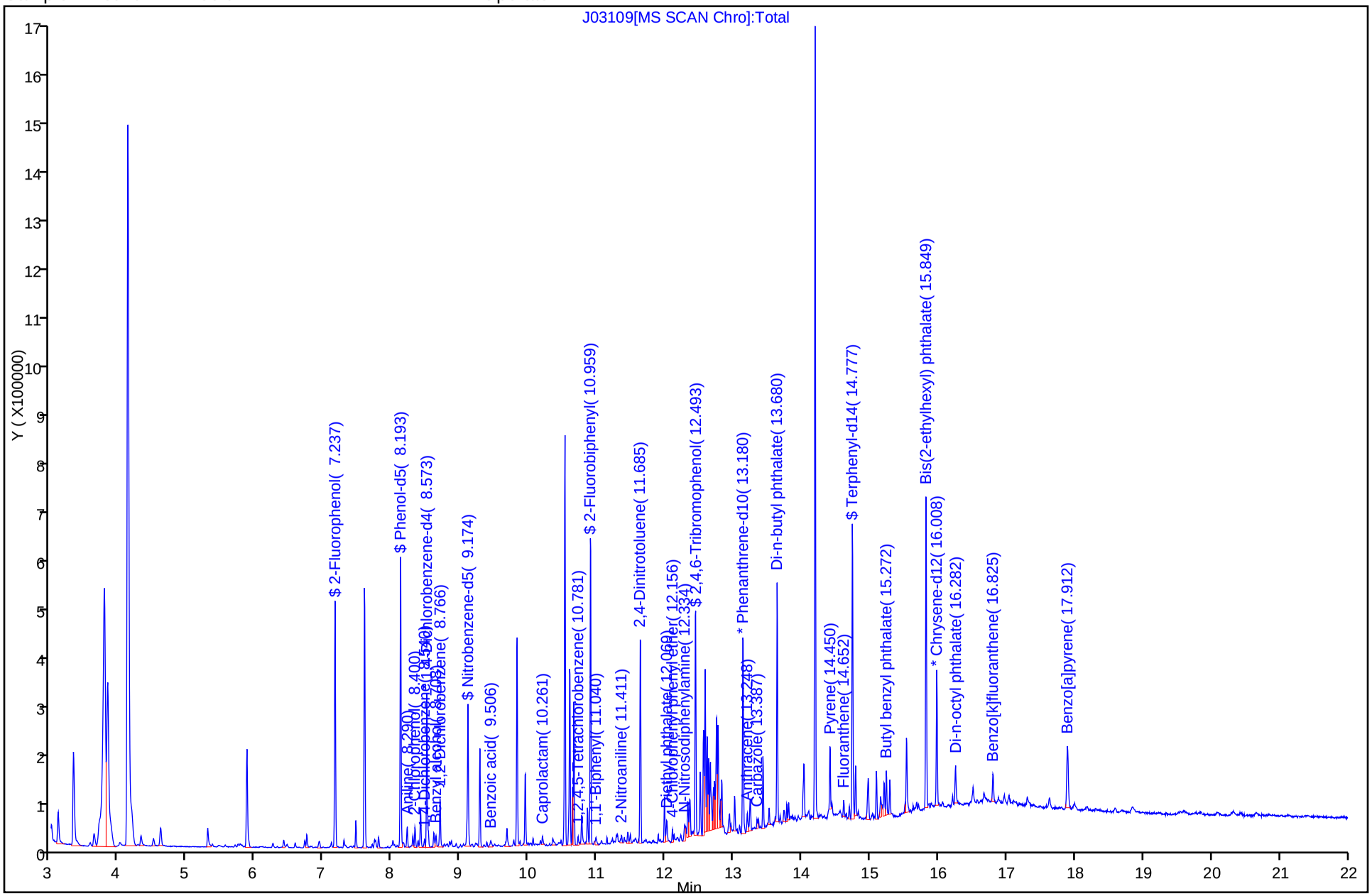
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
41 Naphthalene	128	9.910	9.907	0.003	1267	0.0145	
44 Caprolactam	55	10.261	10.268	-0.007	2517	0.3953	
49 1,2,4,5-Tetrachlorobenzene	216	10.805	10.806	-0.001	469	0.0222	
52 1,1'-Biphenyl	154	11.060	11.061	-0.001	216	0.003181	7
55 2-Nitroaniline	65	11.382	11.220	0.162	27	0.0823	
63 2,4-Dinitrotoluene	165	11.685	11.878	-0.193	12902	0.8459	
66 Diethyl phthalate	149	12.069	12.071	-0.002	8617	0.1464	
67 4-Chlorophenyl phenyl ether	204	12.180	12.177	0.003	449	0.0162	
68 4-Nitroaniline	138	12.358	12.263	0.095	108	0.1012	
70 4,6-Dinitro-2-methylphenol	198	12.488	12.287	0.201	133	0.4263	
71 Diphenylamine	169	12.305	12.306	-0.001	598	0.0124	
72 N-Nitrosodiphenylamine	169	12.305	12.306	-0.001	598	0.0124	
74 Azobenzene	77	12.377	12.340	0.037	2438	0.0421	
75 4-Bromophenyl phenyl ether	248	12.493	12.677	-0.184	3229	0.2253	
80 Phenanthrene	178	13.204	13.206	-0.002	1858	0.0232	
81 Anthracene	178	13.252	13.249	0.003	1049	0.0146	
83 Carbazole	167	13.397	13.398	-0.001	1336	0.0210	
84 Di-n-butyl phthalate	149	13.680	13.682	-0.002	218392	2.34	
85 Pyrene	202	14.440	14.437	0.003	1983	0.0294	
87 Fluoranthene	202	14.690	14.692	-0.002	2089	0.0281	
89 Butyl benzyl phthalate	149	15.272	15.273	-0.001	16502	0.4997	
92 Bis(2-ethylhexyl) phthalate	149	15.854	15.851	0.003	191183	4.17	
91 3,3'-Dichlorobenzidine	252	15.931	15.923	0.008	660	0.1076	
93 Benzo[a]anthracene	228	15.984	15.985	-0.001	1573	0.0341	
94 Chrysene	228	16.041	16.038	0.003	1663	0.0356	
95 Di-n-octyl phthalate	149	16.542	16.524	0.018	5649	0.5067	
97 Benzo[b]fluoranthene	252	17.292	17.327	-0.035	80	0.0653	
98 Benzo[k]fluoranthene	252	17.292	17.356	-0.064	80	0.0843	
99 Benzo[a]pyrene	252	17.830	17.822	0.008	1709	0.1914	
100 Indeno[1,2,3-cd]pyrene	276	19.831	19.837	-0.006	528	0.6481	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 25-Sep-2009 19:20:45 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03109.D		
Inj Date:	24-Sep-2009 03:01:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49397	Lims Sample ID:	21
Client ID:	OC-SB-468-8.0/10-XXX	Instrument:	Inst. J
Sample Info:	24417-13		
Sample Amount:	1.00 ul	Operator:	



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-0.0/1.0-XXX | Lab Sample ID: 360-24417-14

Matrix: Solid | Lab File ID: J03110.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 13:15

Extract. Method: 3550B | Date Extracted: 09/15/2009 12:06

Sample wt/vol: 100.21(g) | Date Analyzed: 09/24/2009 03:34

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

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

% Moisture: 8.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49397 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	ND		5.4	1.3

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	77	30-130	
321-60-8	2-Fluorobiphenyl	67	30-130	
367-12-4	2-Fluorophenol	64	30-130	
4165-60-0	Nitrobenzene-d5	65	30-130	
4165-62-2	Phenol-d5	72	30-130	
1718-51-0	Terphenyl-d14	87	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03110.D		
Lims ID:	360-24417-A-14-D	Client ID:	OC-SB-471-0.0/1.0-XXX
Inject. Date:	24-Sep-2009 03:34:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24417-14		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	49397	Lims Sample ID:	22
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 19:13:12	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 19:21:56

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	8.575	8.575	0.000	82110	2.00	
* 2 Naphthalene-d8	136	9.888	9.888	0.000	199974	2.00	
* 3 Acenaphthene-d10	164	11.687	11.686	0.001	100454	2.00	
* 4 Phenanthrene-d10	188	13.182	13.182	0.000	165501	2.00	
* 5 Chrysene-d12	240	16.010	16.004	0.006	91890	2.00	
* 6 Perylene-d12	264	17.914	17.909	0.005	62503	2.00	
$ 7 2-Fluorophenol	112	7.238	7.233	0.005	164984	6.41	
$ 8 Phenol-d5	99	8.191	8.190	0.001	228500	7.24	
$ 9 Nitrobenzene-d5	82	9.172	9.171	0.001	100468	3.23	
$ 10 2-Fluorobiphenyl	172	10.960	10.960	0.000	222706	3.33	
$ 11 2,4,6-Tribromophenol	330	12.494	12.489	0.005	54797	7.74	
$ 12 Terphenyl-d14	244	14.779	14.778	0.001	165684	4.34	
17 Benzaldehyde	105	8.143	8.142	0.001	11814	0.6793	
18 Phenol	94	8.205	8.205	0.000	8316	0.2468	
19 Aniline	93	8.287	8.277	0.010	1898	0.0485	
20 Bis(2-chloroethyl)ether	93	8.287	8.310	-0.023	1898	0.0674	
22 1,4-Dichlorobenzene	146	8.546	8.536	0.010	664	0.0209	
23 1,3-Dichlorobenzene	146	8.595	8.589	0.006	453	0.0138	
24 Benzyl alcohol	79	8.710	8.709	0.001	3225	0.1479	
25 1,2-Dichlorobenzene	146	8.797	8.791	0.006	381	0.0123	
26 2-Methylphenol	108	8.821	8.815	0.006	262	0.0108	
27 2,2'-oxybis[1-chloropropane]	45	8.859	8.854	0.005	276	0.0102	
28 3 & 4 Methylphenol	108	8.955	8.950	0.005	479	0.0190	
29 N-Nitrosodi-n-propylamine	70	9.172	8.998	0.174	17446	0.9563	
30 Acetophenone	105	8.998	8.998	0.000	4627	0.1302	
32 Nitrobenzene	77	9.176	9.190	-0.014	986	0.0313	
33 Isophorone	82	9.402	9.402	0.000	798	0.0152	
35 2,4-Dimethylphenol	107	9.489	9.489	0.001	561	0.0204	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
34 2-Nitrophenol	139	9.624	9.513	0.111	224	0.0963	
36 Benzoic acid	105	9.527	9.565	-0.037	5529	1.79	
37 Bis(2-chloroethoxy)methane	93	9.710	9.594	0.116	776	0.0227	
39 1,2,4-Trichlorobenzene	180	9.835	9.835	0.000	1143	0.0417	
41 Naphthalene	128	9.912	9.907	0.005	3540	0.0390	
42 4-Chloroaniline	127	9.912	9.960	-0.048	825	0.0246	
44 Caprolactam	55	10.263	10.268	-0.005	1671	0.2907	
46 2-Methylnaphthalene	142	10.595	10.595	0.000	1701	0.0299	
47 1-Methylnaphthalene	142	10.715	10.715	0.000	1422	0.0254	
49 1,2,4,5-Tetrachlorobenzene	216	10.792	10.806	-0.014	844	0.0385	
52 1,1'-Biphenyl	154	11.057	11.061	-0.004	1114	0.0158	
54 Phenyl ether	170	11.162	11.162	0.000	2915	0.0787	
55 2-Nitroaniline	65	11.225	11.220	0.005	203	0.0931	
56 Dimethyl phthalate	163	11.379	11.378	0.001	5232	0.0863	
57 2,6-Dinitrotoluene	165	11.470	11.479	-0.009	469	0.0787	
58 Acenaphthylene	152	11.538	11.537	0.001	3893	0.0479	
59 3-Nitroaniline	138	11.629	11.633	-0.004	153	0.0813	
61 Acenaphthene	153	11.720	11.720	0.000	787	0.0144	
62 4-Nitrophenol	109	11.754	11.748	0.006	230	0.4915	
64 Dibenzofuran	168	11.874	11.874	0.000	1588	0.0211	
63 2,4-Dinitrotoluene	165	11.917	11.878	0.039	193	0.1174	
66 Diethyl phthalate	149	12.067	12.071	-0.005	8567	0.1403	
69 Fluorene	166	12.225	12.225	0.000	827	0.0140	
68 4-Nitroaniline	138	12.264	12.263	0.001	92	0.0996	
70 4,6-Dinitro-2-methylphenol	198	12.336	12.287	0.049	42	0.3852	
71 Diphenylamine	169	12.307	12.306	0.001	5806	0.1126	
72 N-Nitrosodiphenylamine	169	12.307	12.306	0.001	5806	0.1126	
74 Azobenzene	77	12.307	12.340	-0.033	681	0.0110	
75 4-Bromophenyl phenyl ether	248	12.490	12.677	-0.187	3696	0.2420	
77 Atrazine	200	12.759	12.821	-0.062	114	0.007964	7
80 Phenanthrene	178	13.206	13.206	0.000	25231	0.2952	
81 Anthracene	178	13.254	13.249	0.005	3215	0.0420	
83 Carbazole	167	13.408	13.398	0.010	5291	0.0782	
84 Di-n-butyl phthalate	149	13.682	13.682	0.000	108843	1.10	
85 Pyrene	202	14.437	14.437	0.000	50406	0.8526	
87 Fluoranthene	202	14.692	14.692	0.000	43465	0.5483	
89 Butyl benzyl phthalate	149	15.274	15.273	0.001	6106	0.2418	
92 Bis(2-ethylhexyl) phthalate	149	15.856	15.851	0.005	1139066	28.0	5
91 3,3'-Dichlorobenzidine	252	15.995	15.923	0.072	477	0.0984	
93 Benzo[a]anthracene	228	15.986	15.985	0.001	11742	0.2908	
94 Chrysene	228	16.034	16.038	-0.004	20400	0.4992	
95 Di-n-octyl phthalate	149	16.529	16.524	0.005	4231	0.4977	
97 Benzo[b]fluoranthene	252	17.332	17.327	0.005	14949	0.4071	
98 Benzo[k]fluoranthene	252	17.332	17.356	-0.024	14949	0.4476	
99 Benzo[a]pyrene	252	17.895	17.822	0.073	416	0.1552	
101 Dibenz(a,h)anthracene	278	19.828	19.823	0.005	2948	0.4785	
100 Indeno[1,2,3-cd]pyrene	276	19.842	19.837	0.005	8088	0.9683	
102 Benzo[g,h,i]perylene	276	20.448	20.433	0.015	10023	1.03	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount
7 - Failed Limit of Detection

Report Date: 25-Sep-2009 19:21:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03110.D

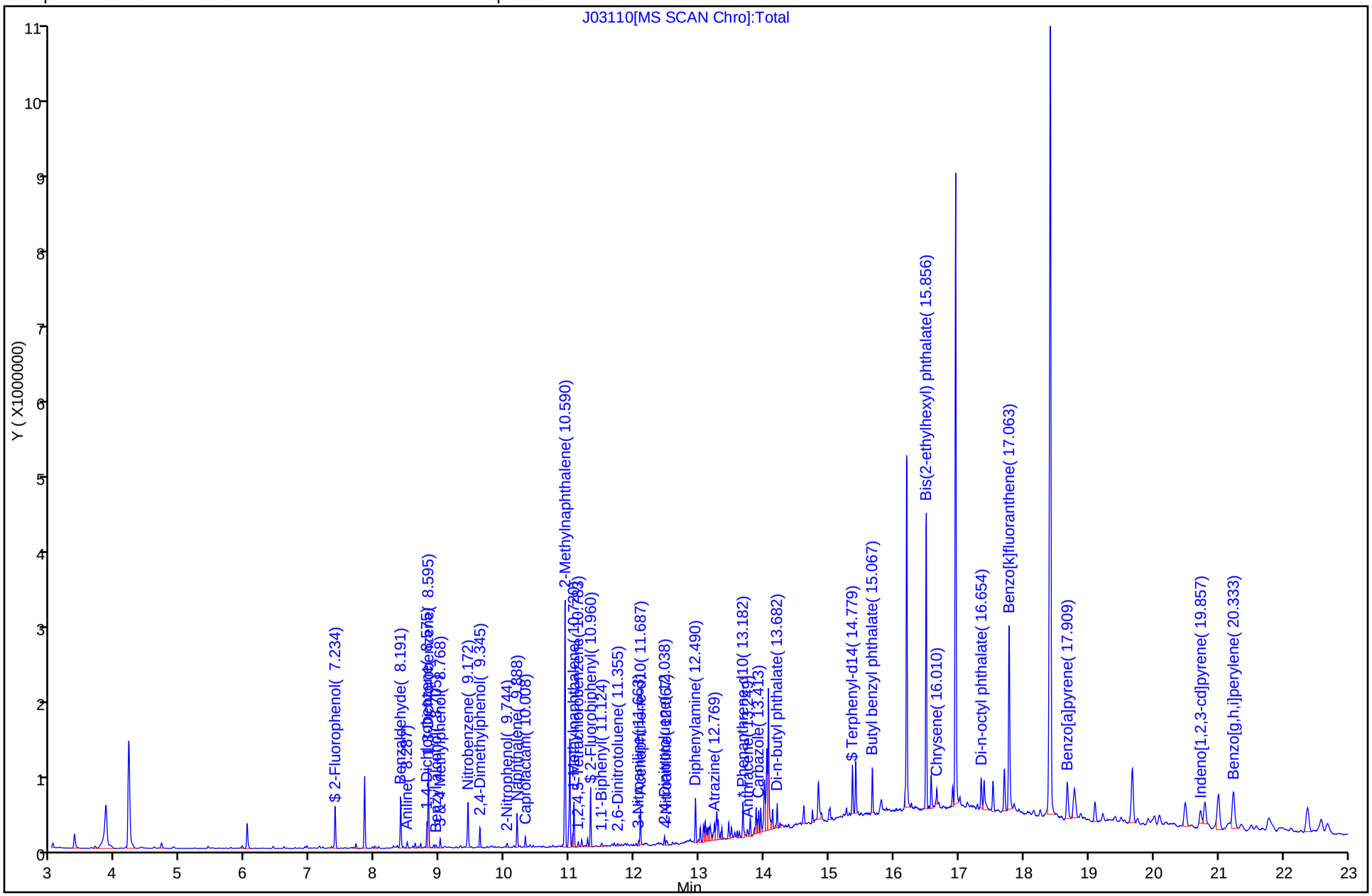
Inj Date: 24-Sep-2009 03:34:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49397 Lims Sample ID: 22

Client ID: OC-SB-471-0.0/1.0-XXX Instrument: Inst. J

Sample Info: 24417-14

Sample Amount: 1.00 ul Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-0.0/1.0-XXX | Lab Sample ID: 360-24417-14

Matrix: Solid | Lab File ID: B10532.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 13:15

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

Sample wt/vol: 30.75(g) | Date Analyzed: 09/24/2009 04:53

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

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

% Moisture: 8.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49444 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		35	11
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		35	11
120-82-1	1,2,4-Trichlorobenzene	ND		35	11
95-50-1	1,2-Dichlorobenzene	ND		35	11
541-73-1	1,3-Dichlorobenzene	ND		35	11
106-46-7	1,4-Dichlorobenzene	ND		35	11
90-12-0	1-Methylnaphthalene	ND		35	11
108-60-1	2,2'-oxybis[1-chloropropane]	ND		35	11
58-90-2	2,3,4,6-Tetrachlorophenol	ND		35	11
95-95-4	2,4,5-Trichlorophenol	ND		35	11
88-06-2	2,4,6-Trichlorophenol	ND		35	11
120-83-2	2,4-Dichlorophenol	ND		35	11
105-67-9	2,4-Dimethylphenol	ND		35	14
51-28-5	2,4-Dinitrophenol	ND		35	11
121-14-2	2,4-Dinitrotoluene	ND		35	11
606-20-2	2,6-Dinitrotoluene	ND		35	11
91-58-7	2-Chloronaphthalene	ND		35	11
95-57-8	2-Chlorophenol	ND		35	11
91-57-6	2-Methylnaphthalene	ND		35	11
95-48-7	2-Methylphenol	ND		35	21
88-74-4	2-Nitroaniline	ND		180	11
88-75-5	2-Nitrophenol	ND		35	11
15831-10-4	3 & 4 Methylphenol	ND		35	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		35	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		35	11
100-01-6	4-Nitroaniline	ND		180	11
100-02-7	4-Nitrophenol	ND		180	11
83-32-9	Acenaphthene	ND		35	11
208-96-8	Acenaphthylene	ND		35	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-0.0/1.0-XXX | Lab Sample ID: 360-24417-14

Matrix: Solid | Lab File ID: B10532.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 13:15

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

Sample wt/vol: 30.75(g) | Date Analyzed: 09/24/2009 04:53

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

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

% Moisture: 8.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49444 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		35	11
62-53-3	Aniline	ND		35	11
120-12-7	Anthracene	ND		35	11
1912-24-9	Atrazine	ND		35	11
103-33-3	Azobenzene	ND		35	11
100-52-7	Benzaldehyde	17	J	35	11
56-55-3	Benzo[a]anthracene	ND		35	11
50-32-8	Benzo[a]pyrene	ND		35	11
205-99-2	Benzo[b]fluoranthene	ND		35	11
191-24-2	Benzo[g,h,i]perylene	ND		35	11
207-08-9	Benzo[k]fluoranthene	ND		35	11
65-85-0	Benzoic acid	35	J	180	16
119-61-9	Benzophenone	ND		35	11
100-51-6	Benzyl alcohol	ND		71	30
111-91-1	Bis(2-chloroethoxy)methane	ND		35	11
111-44-4	Bis(2-chloroethyl)ether	ND		35	11
117-81-7	Bis(2-ethylhexyl) phthalate	180		35	11
85-68-7	Butyl benzyl phthalate	ND		35	11
105-60-2	Caprolactam	ND		35	11
86-74-8	Carbazole	ND		35	11
218-01-9	Chrysene	ND		35	11
53-70-3	Dibenz(a,h)anthracene	ND		35	11
132-64-9	Dibenzofuran	ND		35	11
84-66-2	Diethyl phthalate	ND		35	11
131-11-3	Dimethyl phthalate	ND		35	11
84-74-2	Di-n-butyl phthalate	ND		35	31
117-84-0	Di-n-octyl phthalate	ND		35	18
101-84-8	Diphenyl oxide	ND		35	11
122-39-4	Diphenylamine	ND		35	11
206-44-0	Fluoranthene	13	J	35	11
86-73-7	Fluorene	ND		35	11
118-74-1	Hexachlorobenzene	ND		35	11
87-68-3	Hexachlorobutadiene	ND		35	11
77-47-4	Hexachlorocyclopentadiene	ND		71	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-0.0/1.0-XXX | Lab Sample ID: 360-24417-14

Matrix: Solid | Lab File ID: B10532.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 13:15

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

Sample wt/vol: 30.75(g) | Date Analyzed: 09/24/2009 04:53

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

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

% Moisture: 8.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49444 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	ND		35	11
193-39-5	Indeno[1,2,3-cd]pyrene	ND		35	11
78-59-1	Isophorone	ND		35	11
91-20-3	Naphthalene	ND		85	11
98-95-3	Nitrobenzene	ND		35	11
62-75-9	N-Nitrosodimethylamine	ND		35	13
621-64-7	N-Nitrosodi-n-propylamine	ND		35	11
86-30-6	N-Nitrosodiphenylamine	ND		35	11
87-86-5	Pentachlorophenol	ND		35	11
85-01-8	Phenanthrene	ND		43	11
108-95-2	Phenol	ND		35	11
129-00-0	Pyrene	11	J	35	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	70	30-130	
367-12-4	2-Fluorophenol	87	30-130	
321-60-8	2-Fluorobiphenyl	66	30-130	
4165-60-0	Nitrobenzene-d5	75	30-130	
4165-62-2	Phenol-d5	76	30-130	
1718-51-0	Terphenyl-d14	77	30-130	

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

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-0.0/1.0-XXX | Lab Sample ID: 360-24417-14

Matrix: Solid | Lab File ID: B10532.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 13:15

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

Sample wt/vol: 30.75(g) | Date Analyzed: 09/24/2009 04:53

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

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

% Moisture: 8.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49444 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 1048.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q
541-2-6	Cyclopentasiloxane, decamethyl-	8.08	7.5	T J N
121-33-5	Vanillin	9.61	9.9	T J N
25154-52-3	Phenol, nonyl-	10.93	14	T J N
1454-85-9	1-Heptadecanol	12.18	12	T J N
35599-77-0	Tridecane, 1-iodo-	12.20	14	T J N
112-88-9	1-Octadecene	12.99	49	T J N
3452-7-1	1-Eicosene	14.09	510	T J N
18835-33-1	1-Hexacosene	14.83	52	T J N
6971-40-0	17-Pentatriacontene	16.02	120	T J N
7683-64-9	Squalene	16.10	260	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D		
Lims ID:	360-24417-A-14-C	Client ID:	OC-SB-471-0.0/1.0-XXX
Inject. Date:	24-Sep-2009 04:53:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24417A14C		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	22
Lims Batch ID:	49444	Lims Sample ID:	44
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 15:08:50	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 15:08:50

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.467	7.466	0.001	376592	2.00	
* 2 Naphthalene-d8	136	8.592	8.592	0.000	915398	2.00	
* 3 Acenaphthene-d10	164	10.088	10.092	-0.004	456233	2.00	
* 4 Phenanthrene-d10	188	11.348	11.347	0.001	765624	2.00	
* 5 Chrysene-d12	240	14.488	14.482	0.006	463040	2.00	
* 6 Perylene-d12	264	16.931	16.920	0.011	285791	2.00	
$ 7 2-Fluorophenol	112	6.207	6.168	0.039	828854	8.66	
$ 8 Phenol-d5	99	7.116	7.101	0.015	977835	7.61	
$ 9 Nitrobenzene-d5	82	7.958	7.962	-0.004	437519	3.74	
$ 10 2-Fluorobiphenyl	172	9.492	9.496	-0.004	976701	3.32	
$ 11 2,4,6-Tribromophenol	330	10.756	10.756	0.000	205805	7.03	
$ 12 Terphenyl-d14	244	12.795	12.790	0.005	749004	3.86	
17 Benzaldehyde	105	7.068	7.062	0.006	34529	0.4826	
30 Acetophenone	105	7.818	7.817	0.001	15611	0.1010	
36 Benzoic acid	105	8.299	8.317	-0.018	20144	0.9856	
58 Acenaphthylene	152	9.972	9.972	0.000	8098	0.0213	
61 Acenaphthene	153	10.117	10.116	0.001	4832	0.0184	
64 Dibenzofuran	168	10.261	10.260	0.001	5831	0.0169	
66 Diethyl phthalate	149	10.400	10.400	0.000	5071	0.0175	
69 Fluorene	166	10.550	10.549	0.001	6940	0.0239	
80 Phenanthrene	178	11.367	11.366	0.001	93284	0.2399	
81 Anthracene	178	11.415	11.410	0.005	17364	0.0475	
84 Di-n-butyl phthalate	149	11.766	11.761	0.005	88836	0.1868	
87 Fluoranthene	202	12.425	12.419	0.006	122375	0.3626	
85 Pyrene	202	12.675	12.669	0.006	104873	0.3219	
89 Butyl benzyl phthalate	149	13.392	13.391	0.001	8948	0.0602	
92 Bis(2-ethylhexyl) phthalate	149	14.401	14.391	0.010	1053171	5.08	
93 Benzo[a]anthracene	228	14.469	14.463	0.006	32251	0.1587	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
94 Chrysene	228	14.541	14.540	0.001	44226	0.2229	
95 Di-n-octyl phthalate	149	15.719	15.704	0.015	12236	0.1557	
97 Benzo[b]fluoranthene	252	16.330	16.324	0.006	36305	0.2252	
98 Benzo[k]fluoranthene	252	16.359	16.367	-0.008	16387	0.1105	M
99 Benzo[a]pyrene	252	16.839	16.834	0.005	17816	0.1517	
100 Indeno[1,2,3-cd]pyrene	276	18.931	18.911	0.020	9880	0.1355	
102 Benzo[g,h,i]perylene	276	19.528	19.508	0.020	10352	0.1217	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D		
Lims ID:	360-24417-A-14-C	Client ID:	OC-SB-471-0.0/1.0-XXX
Inject. Date:	24-Sep-2009 04:53:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24417A14C		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	22
Lims Batch ID:	49444	Lims Sample ID:	44
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 15:08:50	Calib Date:	23-Sep-2009 22:32:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 15:08:50

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

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/mL	Flags
Alpha-Terpineol	8.636	3459	0.0121	
1,4-Dioxane	4.236	315		
1,2-Diphenylhydrazine	10.670	6815	0.0150	
Benzidine	12.536	935	0.5059	
Pentachloronitrobenzene	11.199	101	0.0753	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
541-2-6 Cyclopentasiloxane, decamethyl-						
8.078	219415	0.2121	2	91	115273	
121-33-5 Vanillin						
9.607	279185	0.2805	3	94	123637	
25154-52-3 Phenol, nonyl-						
10.925	363802	0.4071	4	89	122334	
1454-85-9 1-Heptadecanol						
12.175	310450	0.3474	4	90	13564	
35599-77-0 Tridecane, 1-iodo-						
12.199	364063	0.4074	4	91	16508	
112-88-9 1-Octadecene						
12.988	905084	1.38	5	98	111277	
3452-7-1 1-Eicosene						
14.094	9475783	14.4	5	95	109609	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
18835-33-1 1-Hexacosene						
14.834	967162	1.47	5	99	109692	
6971-40-0 17-Pentatriacontene						
16.022	955650	3.47	6	90	5525	
7683-64-9 Squalene						
16.099	2051240	7.44	6	91	114263	
629-96-9 1-Eicosanol						
16.522	4108996	14.9	6	90	112640	
26603-23-6 p,p'-Dioctyldiphenylamine						
16.989	16321456	59.2	6	98	101420	
1928-30-9 Tricosane, 2-methyl-						
17.618	1352833	4.91	6	90	5616	

Quantitation Compounds

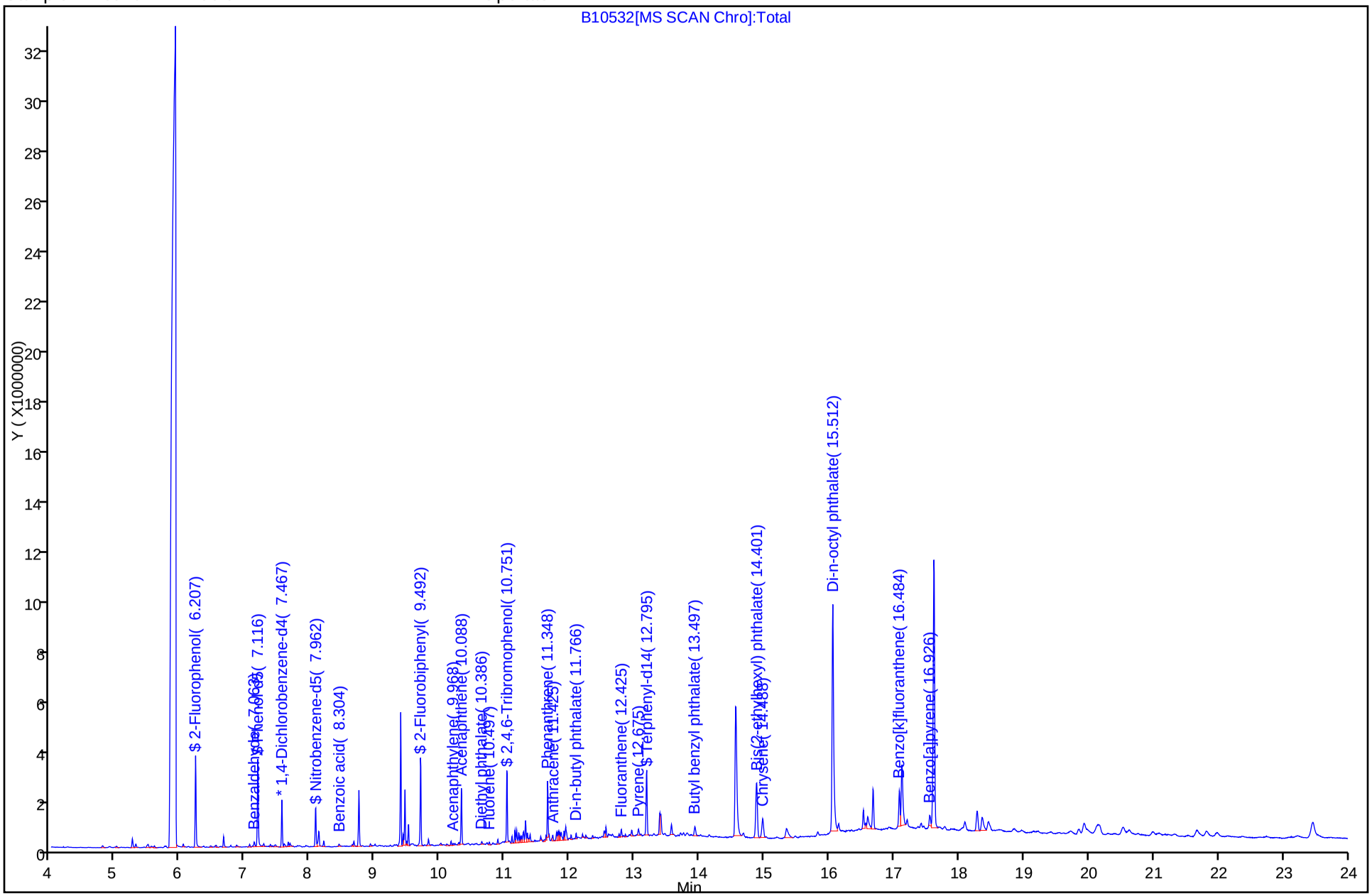
Compound	RT	Response	Amount ug/mL
* 2 Naphthalene-d8	8.592	2068905	2.00
* 3 Acenaphthene-d10	10.088	1990462	2.00
* 4 Phenanthrene-d10	11.348	1787357	2.00
* 5 Chrysene-d12	14.488	1316300	2.00
* 6 Perylene-d12	16.926	551161	2.00

QC Flag Legend

Processing Flags

Report Date: 25-Sep-2009 15:08:51 Chrom Revision: 1.1 20-Sep-2009 21:03:36

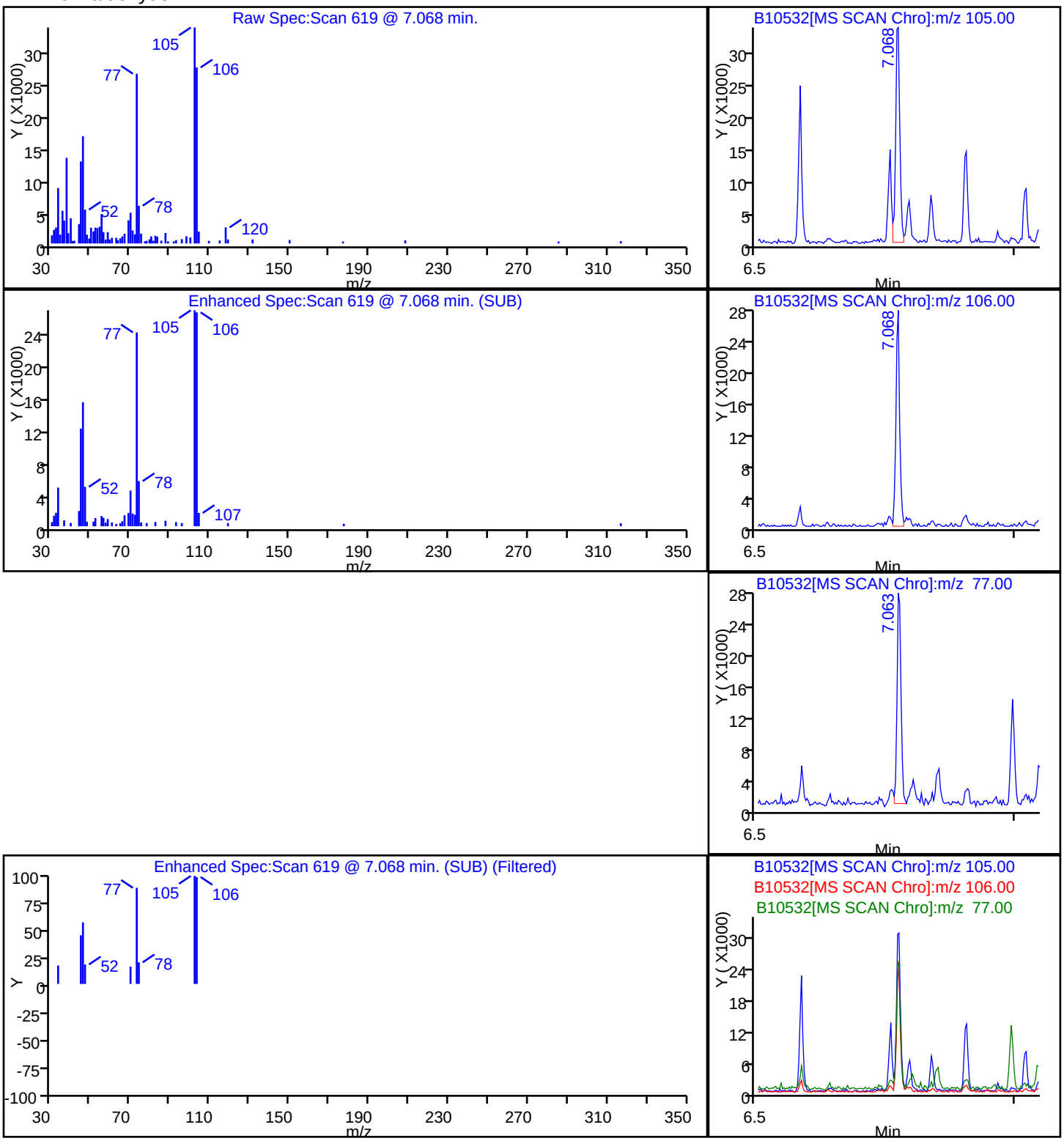
Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D		
Inj Date:	24-Sep-2009 04:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	44
Client ID:	OC-SB-471-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24417A14C		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 25-Sep-2009 15:08:51 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D		
Inj Date:	24-Sep-2009 04:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	44
Client ID:	OC-SB-471-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24417A14C		
Sample Amount:	1.00 ul	Operator:	MZ

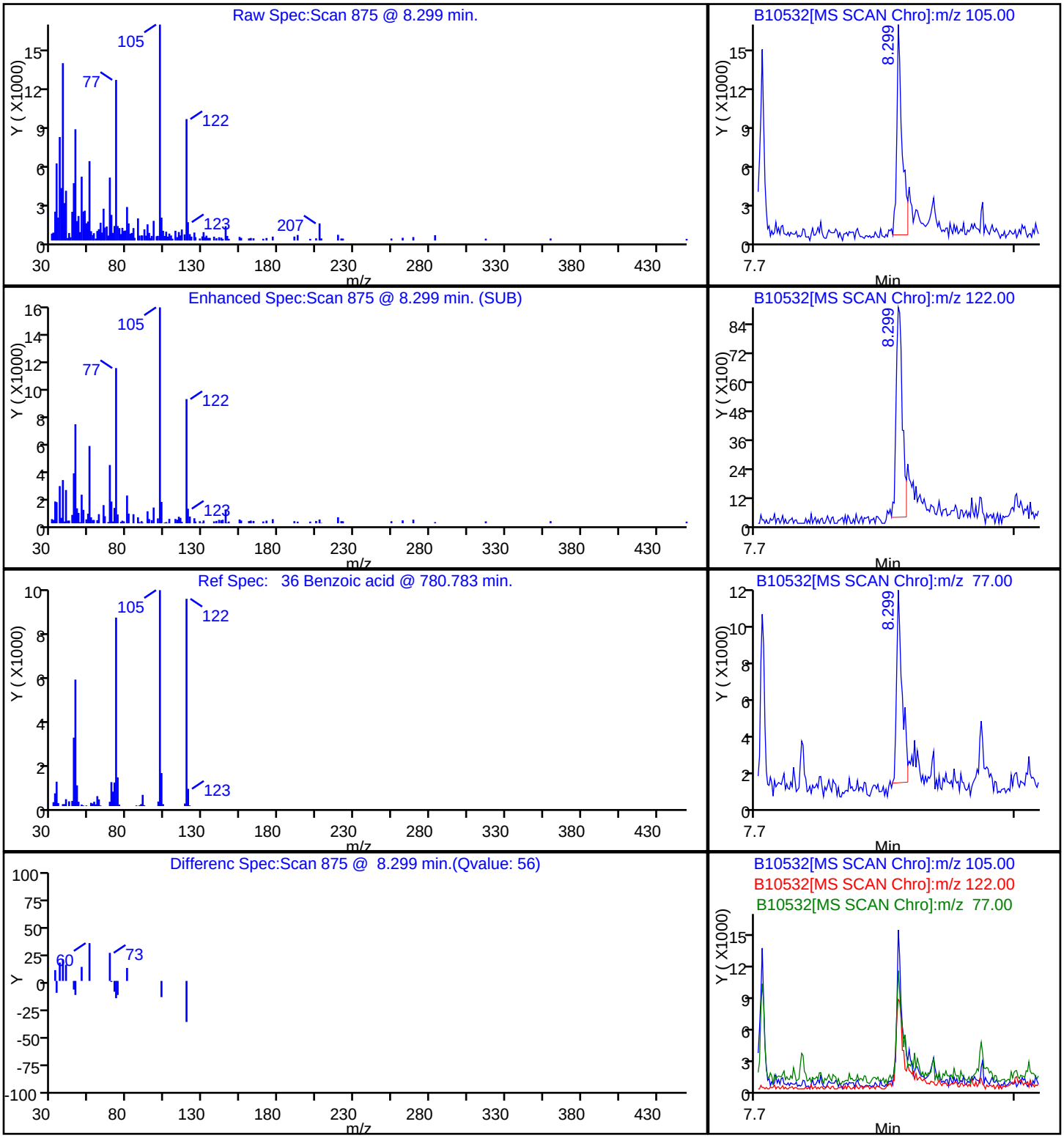
17 Benzaldehyde



Report Date: 25-Sep-2009 15:08:51 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D		
Inj Date:	24-Sep-2009 04:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	44
Client ID:	OC-SB-471-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24417A14C		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid



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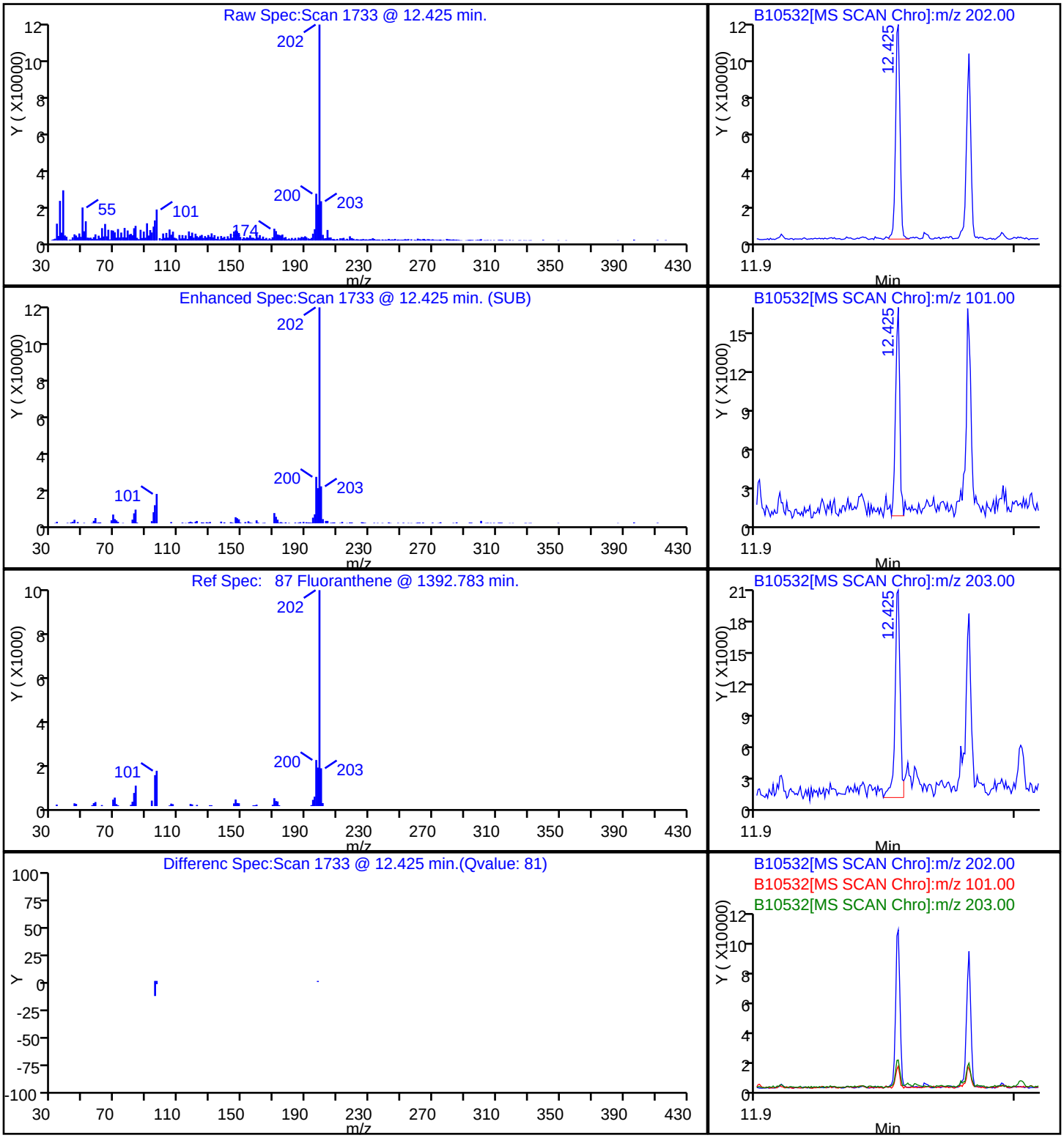
Inj Date:	24-Sep-2009 04:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	44
Client ID:	OC-SB-471-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24417A14C		
Sample Amount:	1.00 ul	Operator:	MZ

87 Fluoranthene



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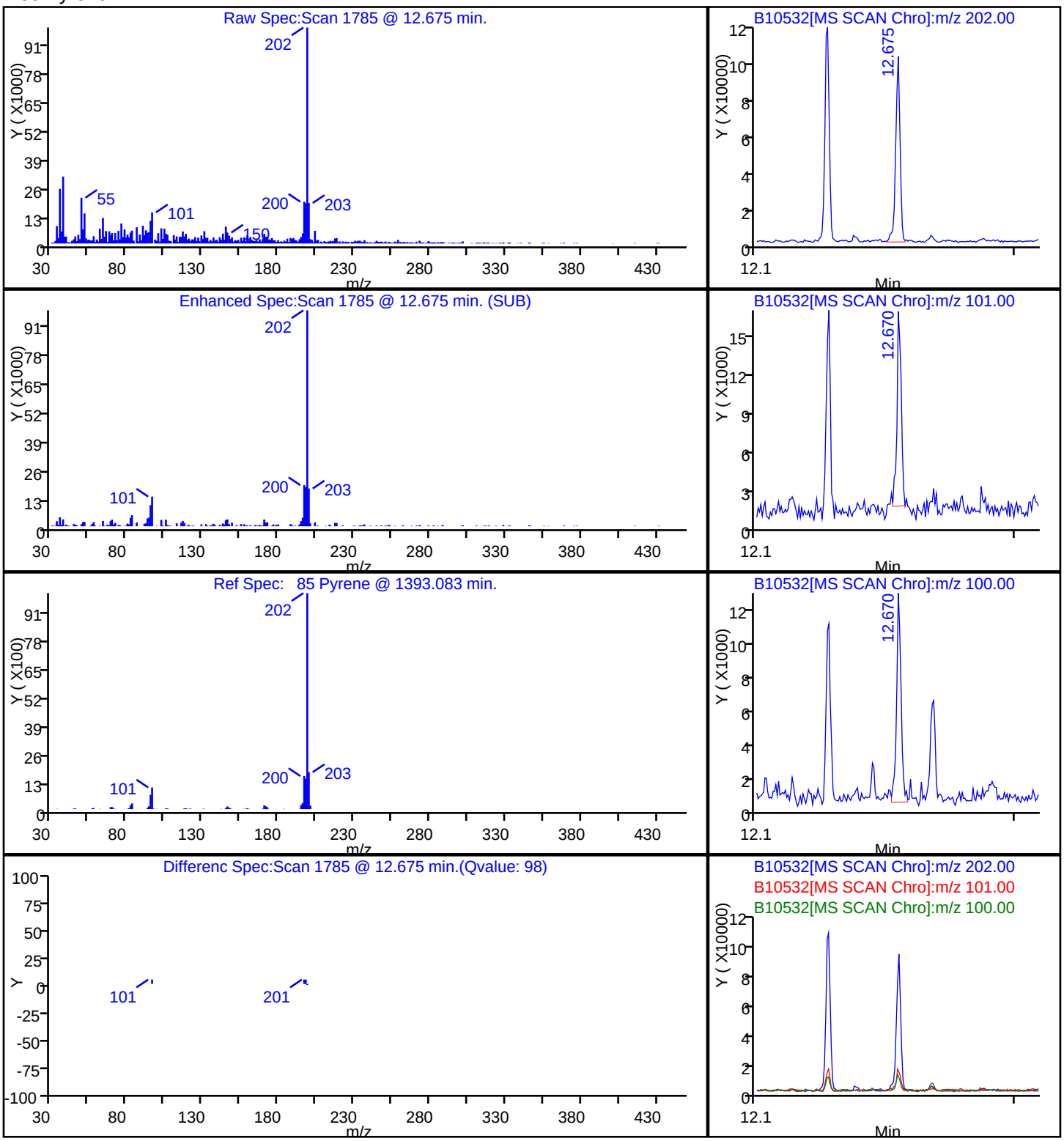
Inj Date:	24-Sep-2009 04:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	44
Client ID:	OC-SB-471-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24417A14C		
Sample Amount:	1.00 ul	Operator:	MZ

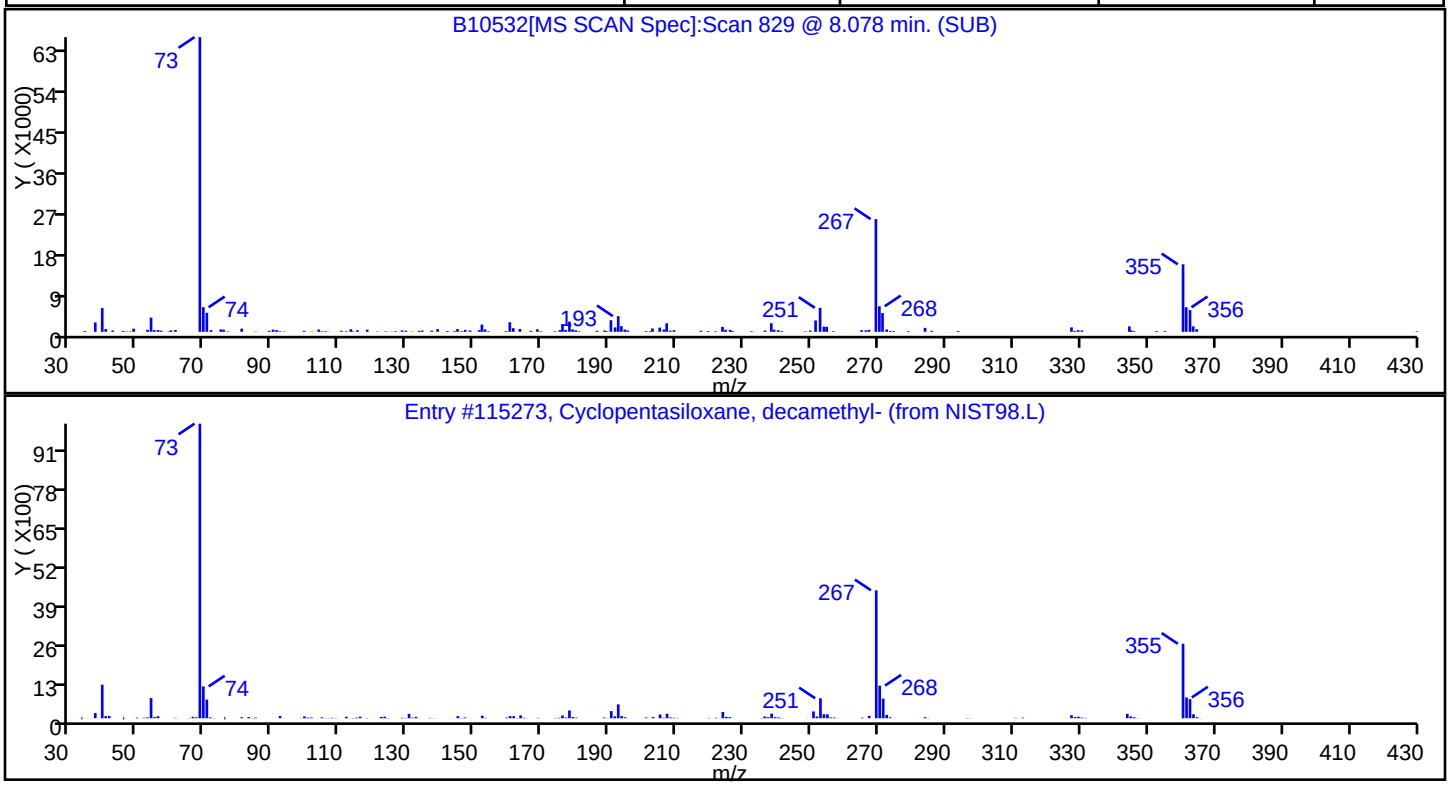
85 Pyrene



Report Date: 25-Sep-2009 15:08:55 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D		
Inj Date:	24-Sep-2009 04:53:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	44
Client ID:	OC-SB-471-0.0/1.0-XXX	Instrument:	Inst. B
Sample Info:	24417A14C		
Sample Amount:	1.00 ul	Operator:	MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclopentasiloxane, decamethyl-	541-2-6	NIST98.L	115273	91



Report Date: 25-Sep-2009 15:08:55 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D

Inj Date: 24-Sep-2009 04:53:30 Limit Group: SMS - 8270LL SVOA Calibration

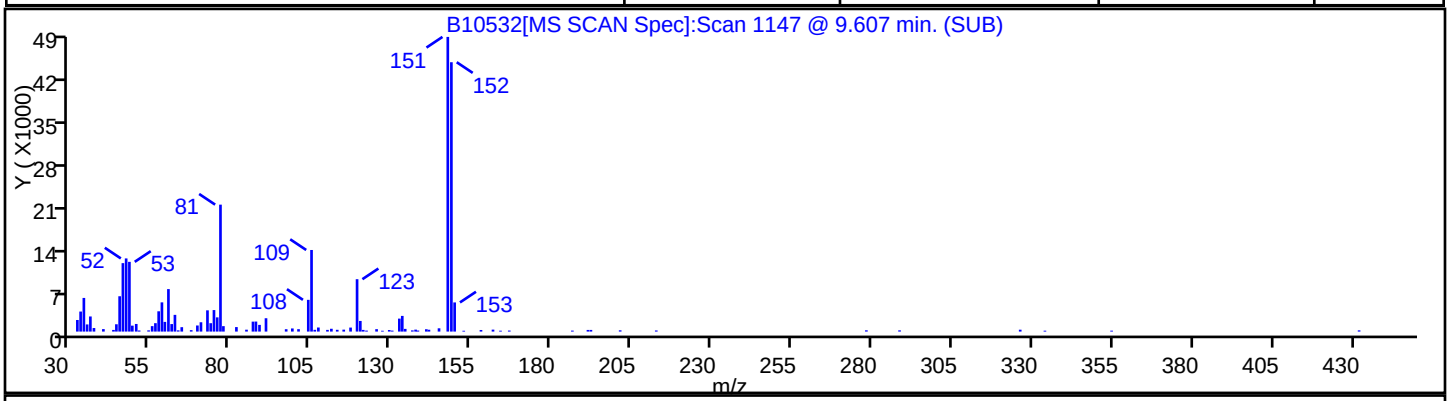
Lims Batch ID: 49444 Lims Sample ID: 44

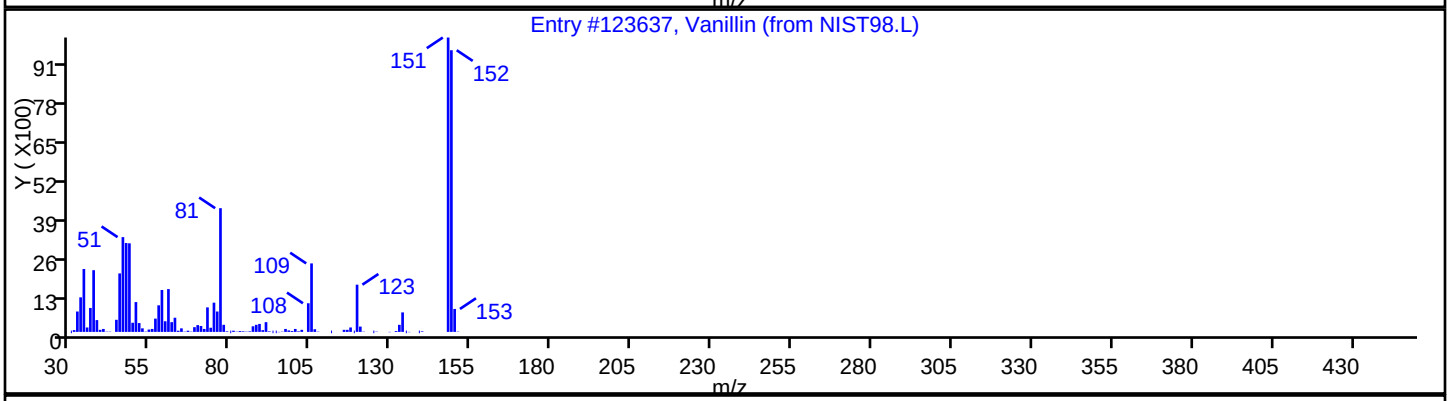
Client ID: OC-SB-471-0.0/1.0-XXX Instrument: Inst. B

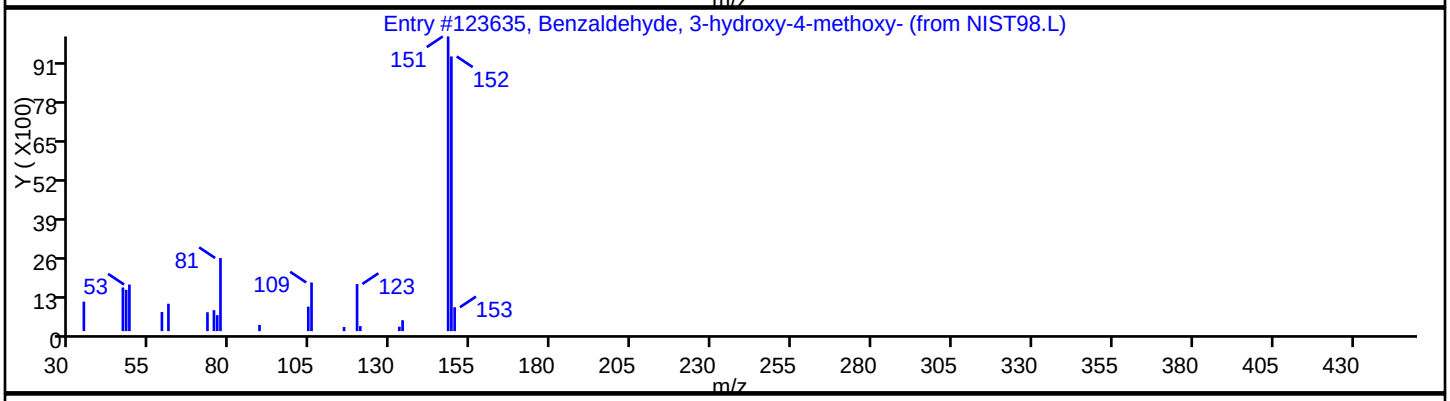
Sample Info: 24417A14C

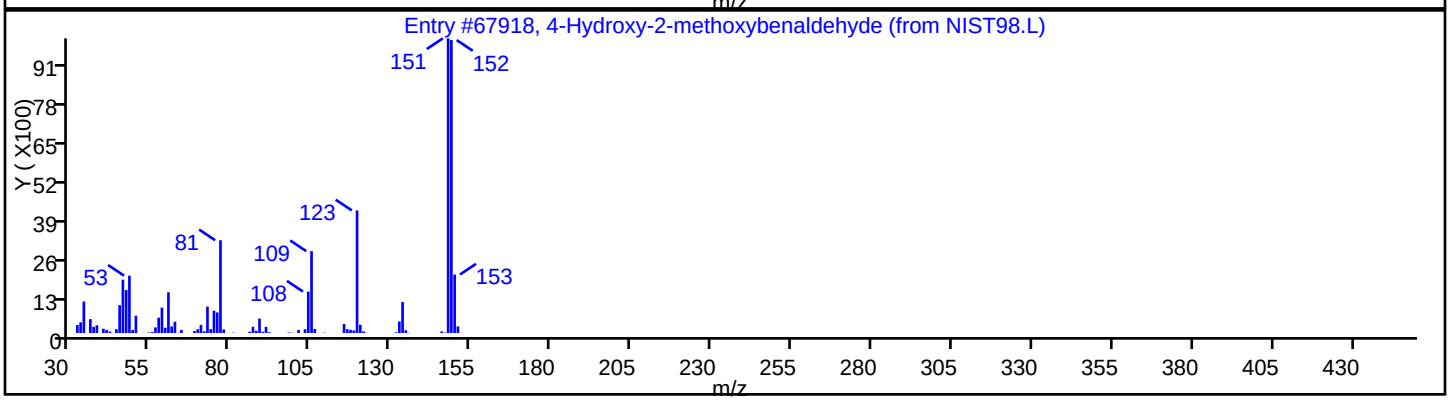
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Vanillin	121-33-5	NIST98.L	123637	94
Benzaldehyde, 3-hydroxy-4-methoxy-	621-59-0	NIST98.L	123635	91
4-Hydroxy-2-methoxybenaldehyde	18278-34-7	NIST98.L	67918	70









Report Date: 25-Sep-2009 15:08:55 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D

Inj Date: 24-Sep-2009 04:53:30 Limit Group: SMS - 8270LL SVOA Calibration

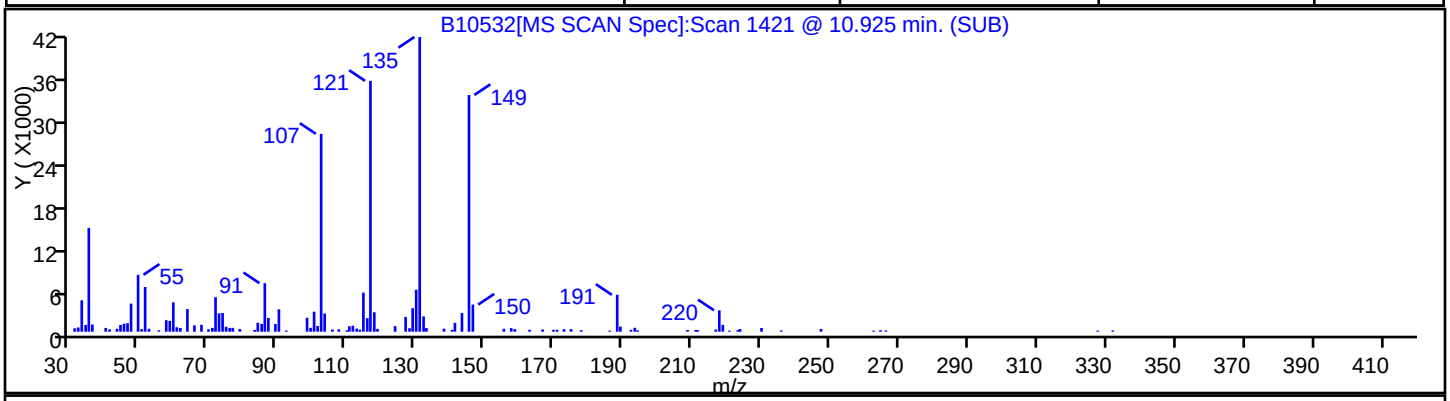
Lims Batch ID: 49444 Lims Sample ID: 44

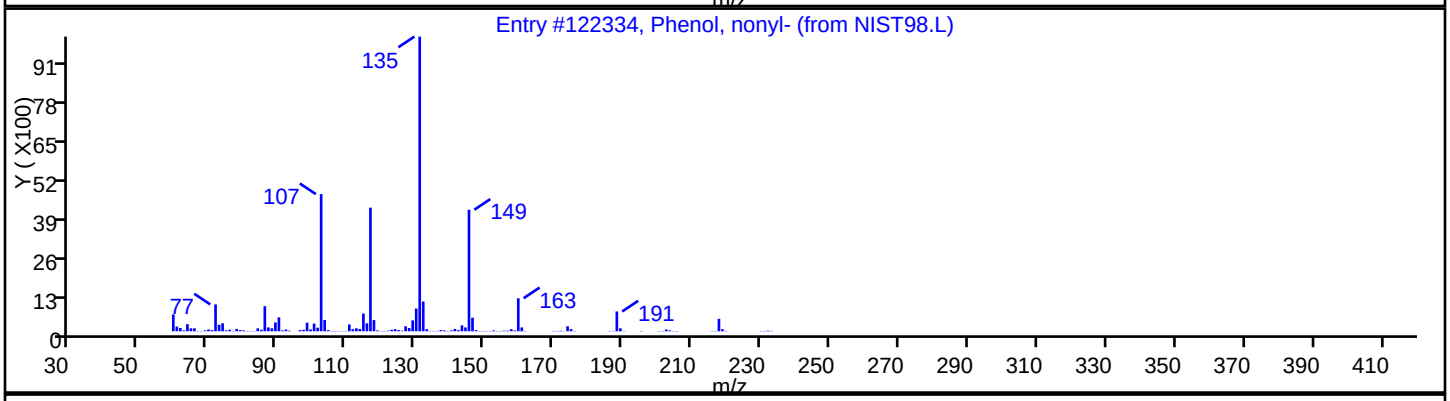
Client ID: OC-SB-471-0.0/1.0-XXX Instrument: Inst. B

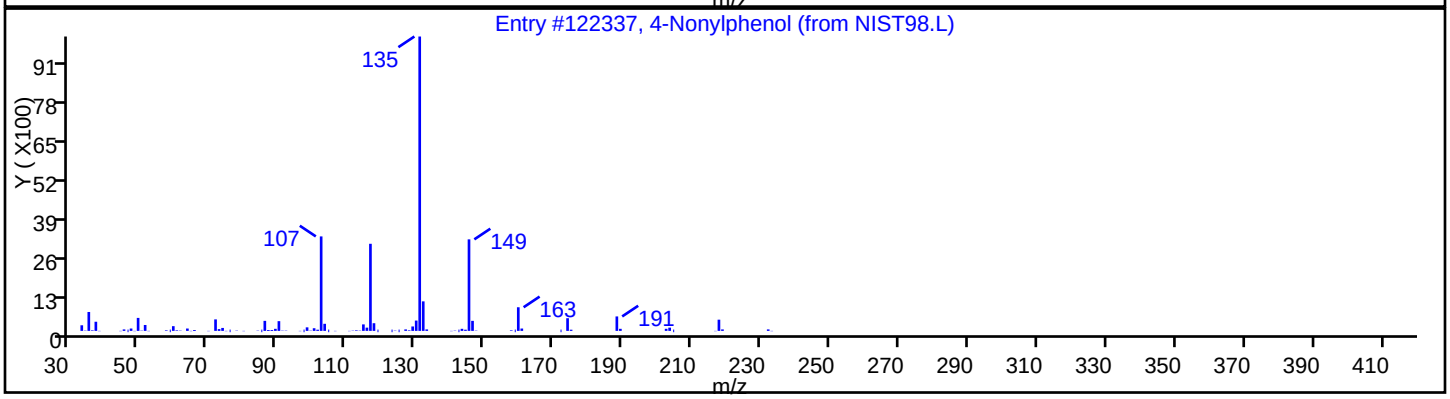
Sample Info: 24417A14C

Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenol, nonyl-	25154-52-3	NIST98.L	122334	89
4-Nonylphenol	104-40-5	NIST98.L	122337	50







Report Date: 25-Sep-2009 15:08:55 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D

Inj Date: 24-Sep-2009 04:53:30 Limit Group: SMS - 8270LL SVOA Calibration

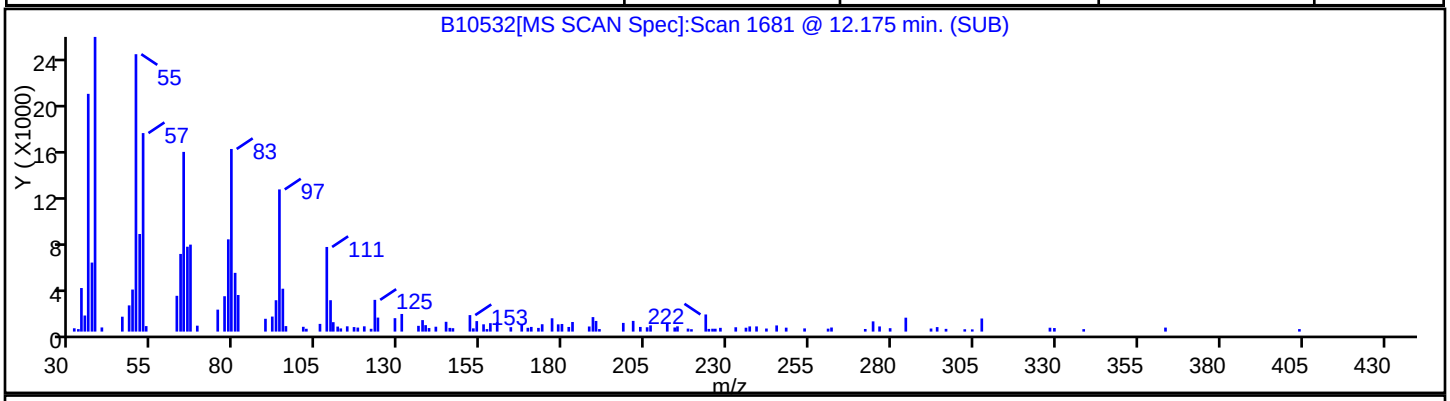
Lims Batch ID: 49444 Lims Sample ID: 44

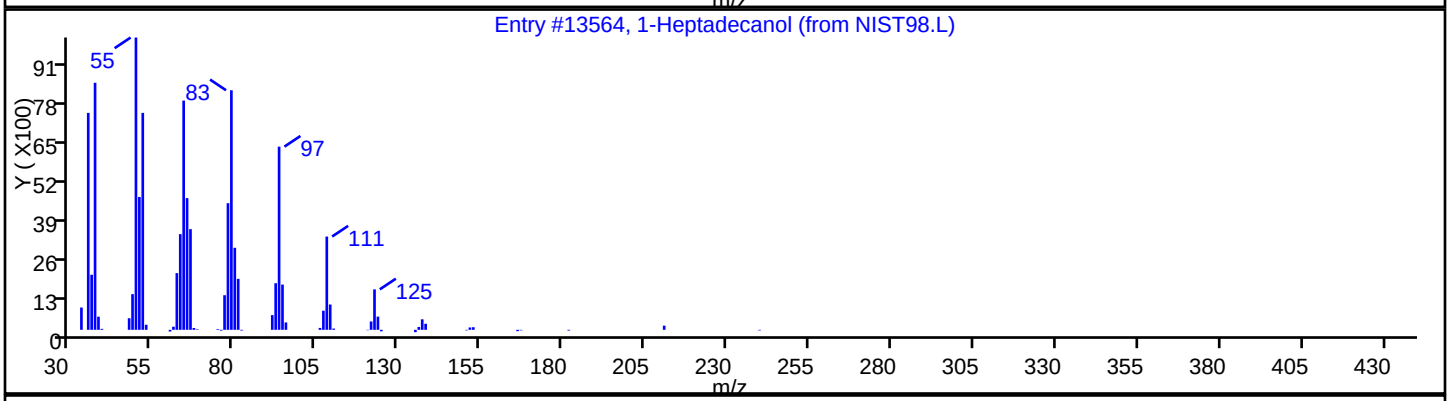
Client ID: OC-SB-471-0.0/1.0-XXX Instrument: Inst. B

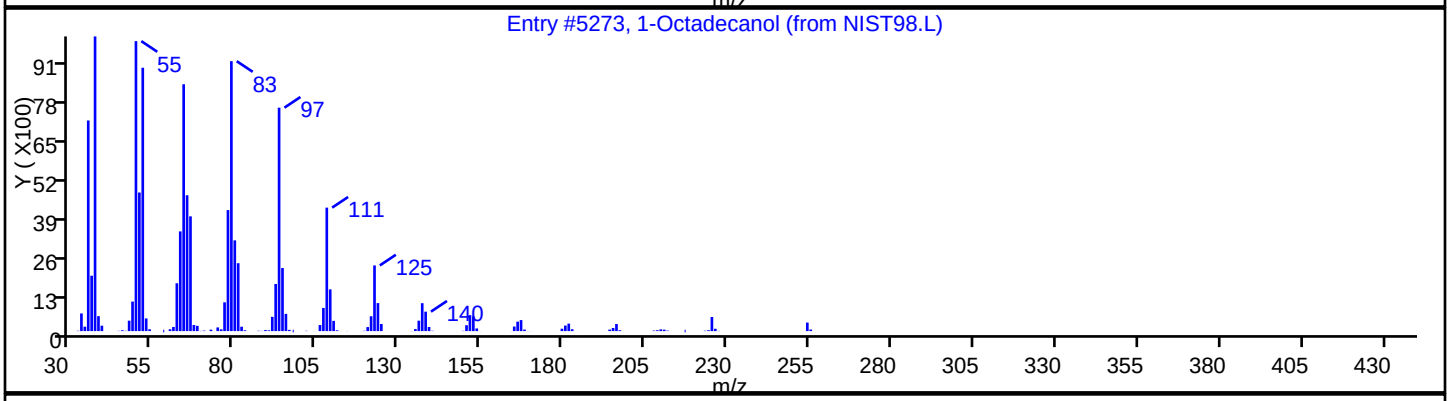
Sample Info: 24417A14C

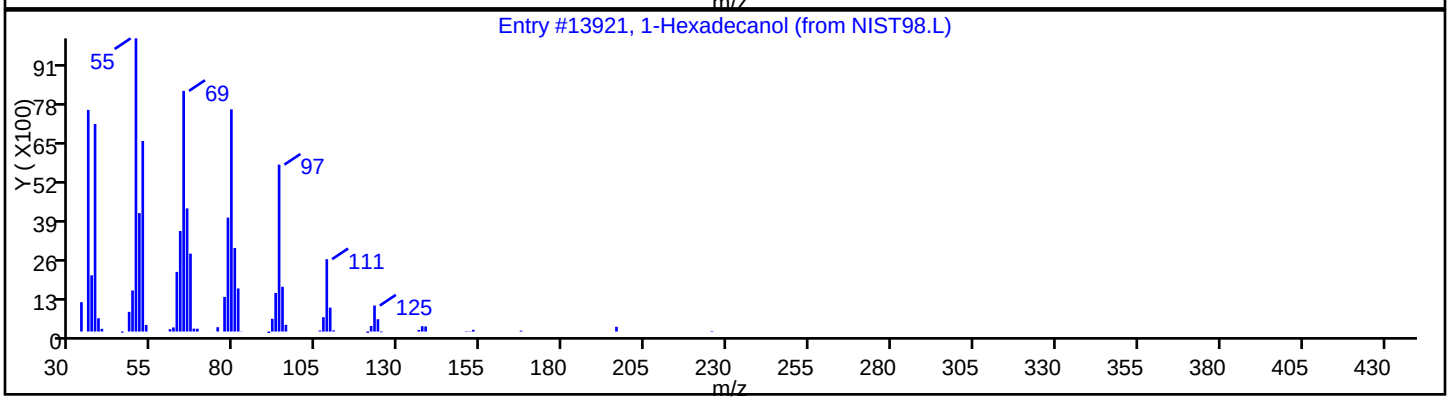
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Heptadecanol	1454-85-9	NIST98.L	13564	90
1-Octadecanol	112-92-5	NIST98.L	5273	90
1-Hexadecanol	36653-82-4	NIST98.L	13921	87









Report Date: 25-Sep-2009 15:08:55 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D

Inj Date: 24-Sep-2009 04:53:30 Limit Group: SMS - 8270LL SVOA Calibration

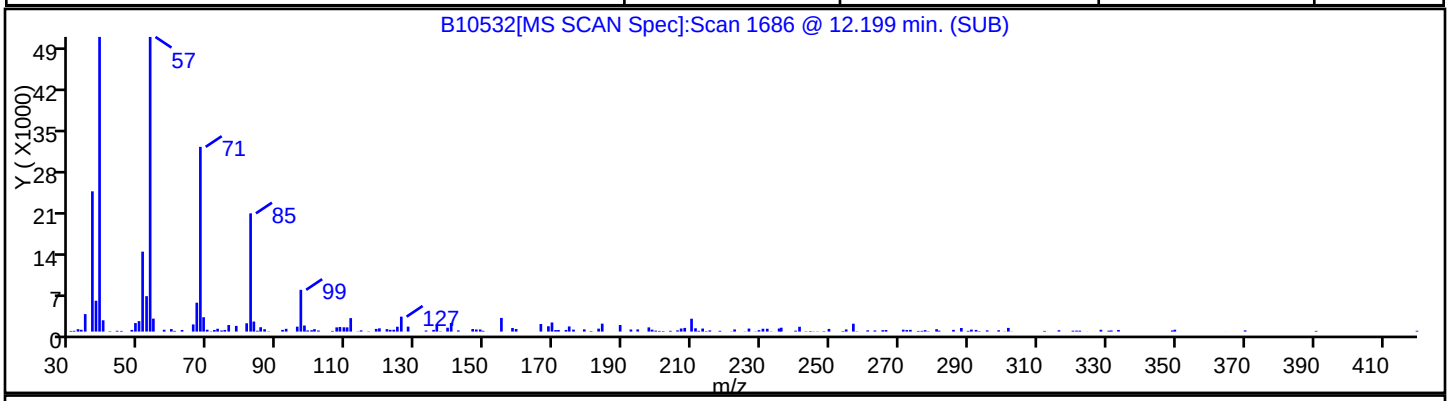
Lims Batch ID: 49444 Lims Sample ID: 44

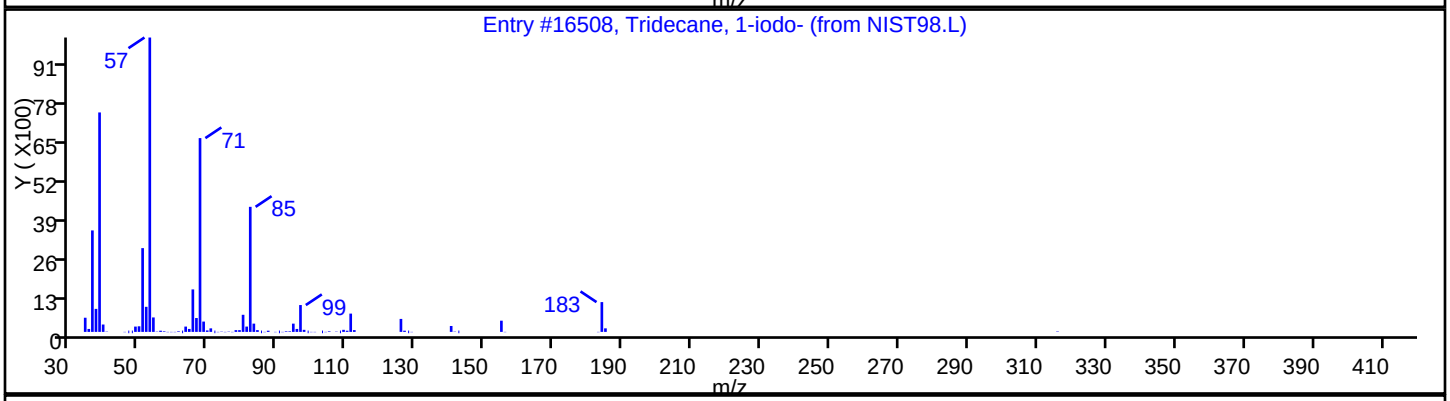
Client ID: OC-SB-471-0.0/1.0-XXX Instrument: Inst. B

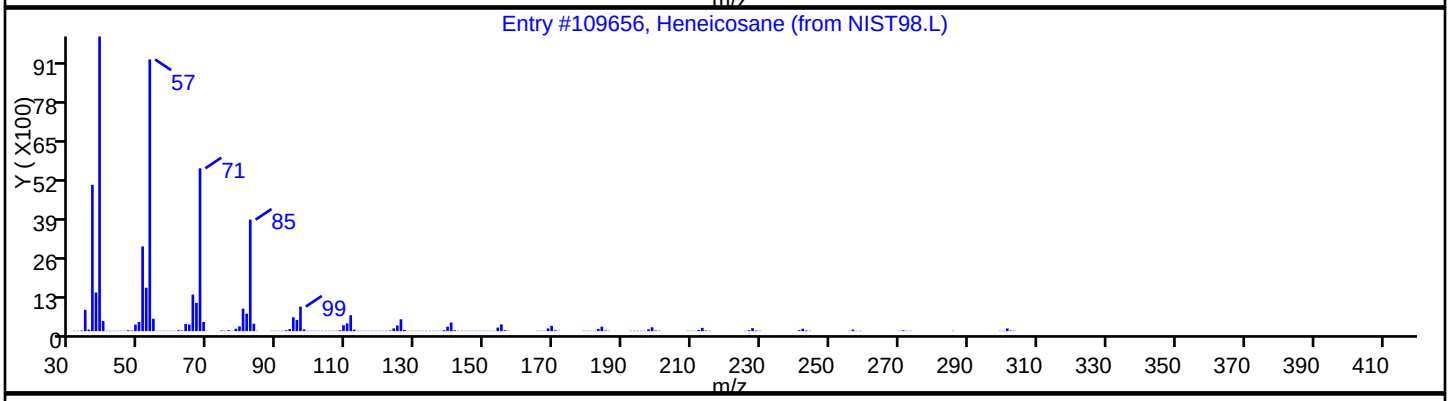
Sample Info: 24417A14C

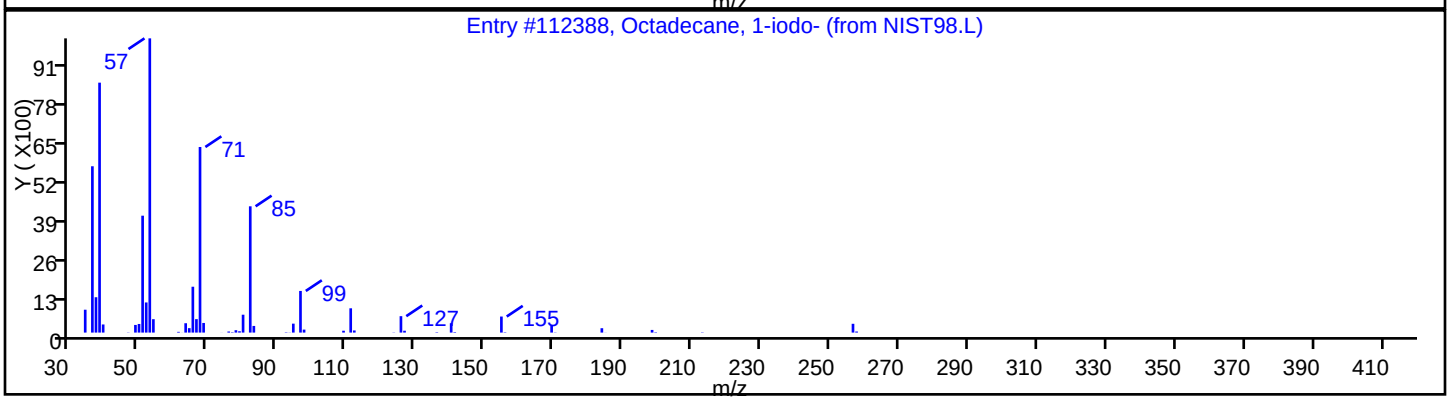
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Tridecane, 1-iodo-	35599-77-0	NIST98.L	16508	91
Heneicosane	629-94-7	NIST98.L	109656	91
Octadecane, 1-iodo-	629-93-6	NIST98.L	112388	83









Report Date: 25-Sep-2009 15:08:55 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D

Inj Date: 24-Sep-2009 04:53:30 Limit Group: SMS - 8270LL SVOA Calibration

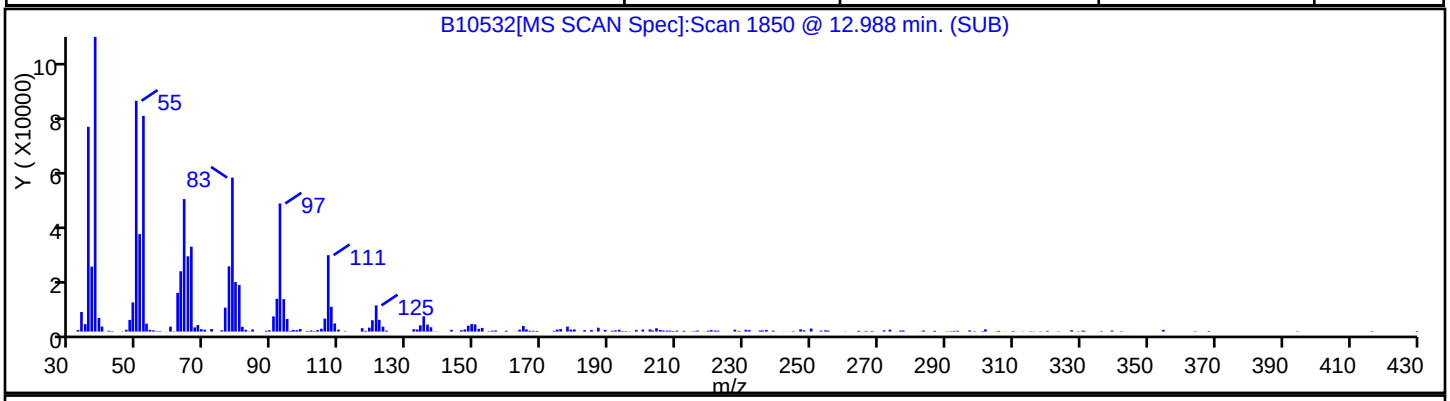
Lims Batch ID: 49444 Lims Sample ID: 44

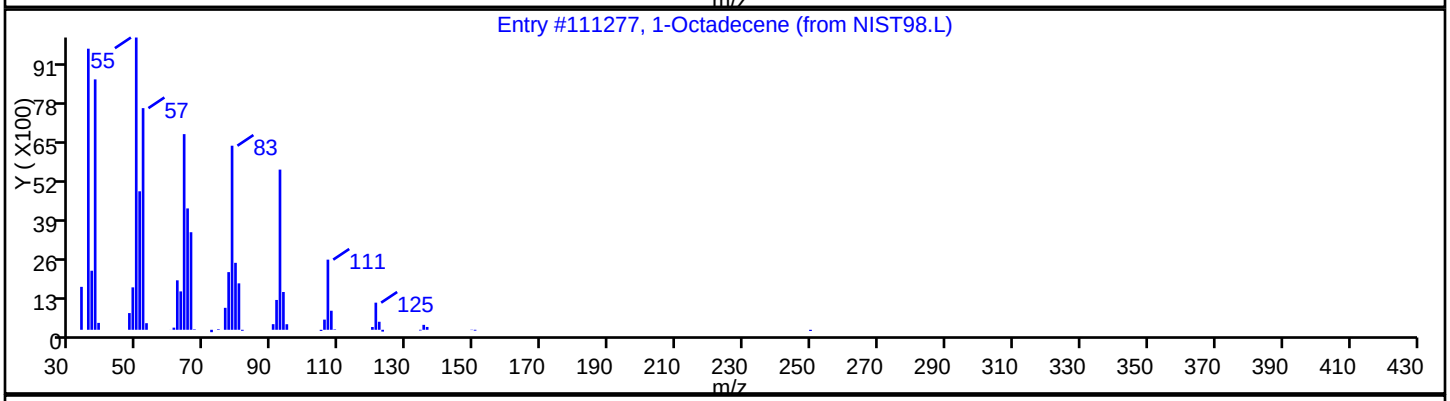
Client ID: OC-SB-471-0.0/1.0-XXX Instrument: Inst. B

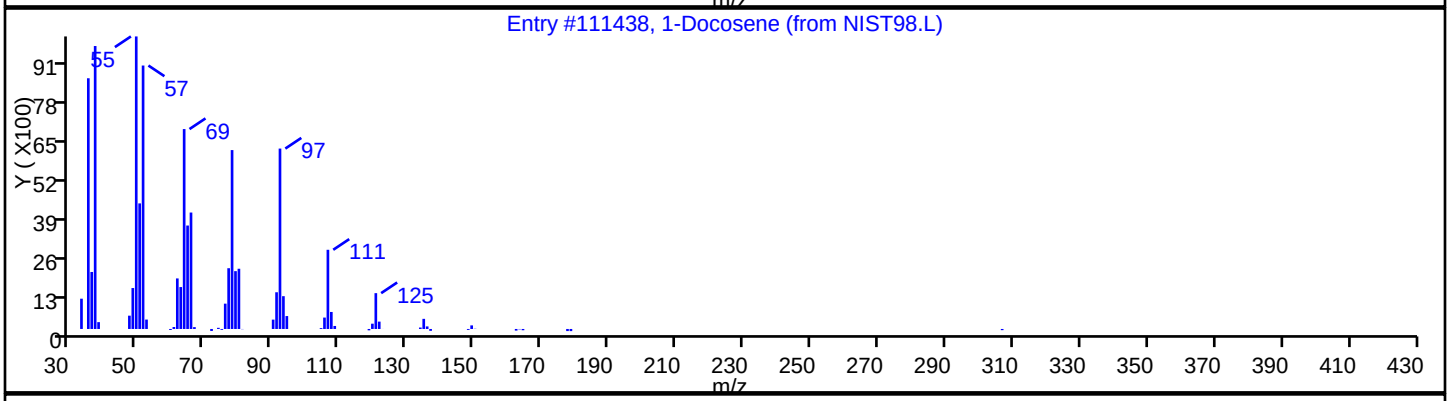
Sample Info: 24417A14C

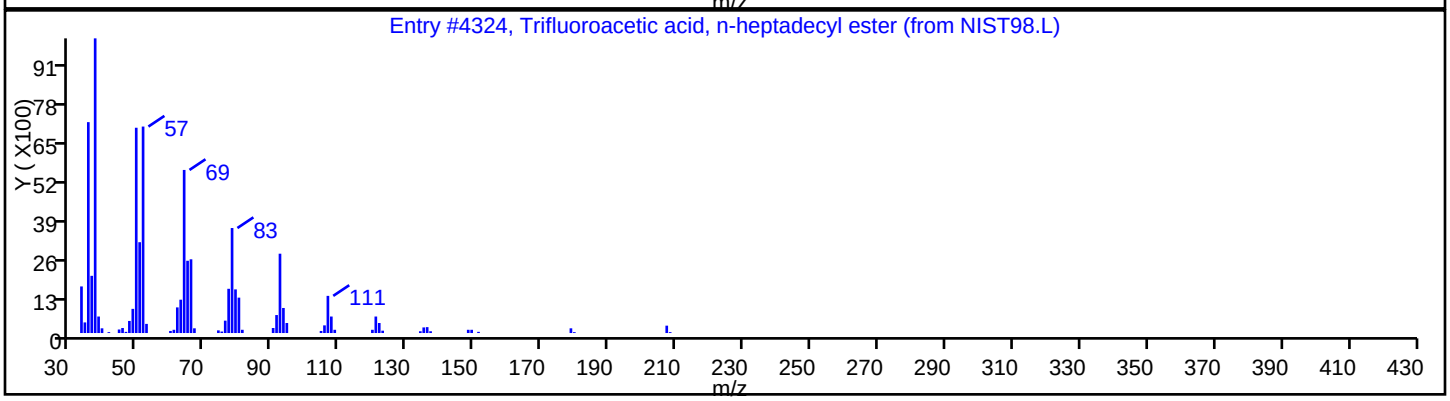
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Octadecene	112-88-9	NIST98.L	111277	98
1-Docosene	1599-67-3	NIST98.L	111438	95
Trifluoroacetic acid, n-heptadecyl ester	1000216-79-2	NIST98.L	4324	91









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Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D

Inj Date: 24-Sep-2009 04:53:30 Limit Group: SMS - 8270LL SVOA Calibration

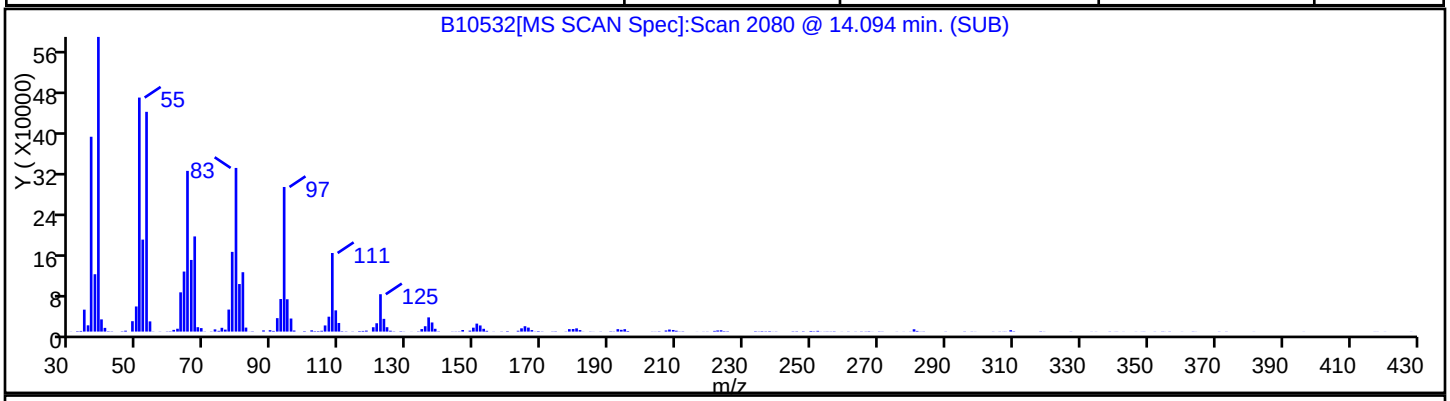
Lims Batch ID: 49444 Lims Sample ID: 44

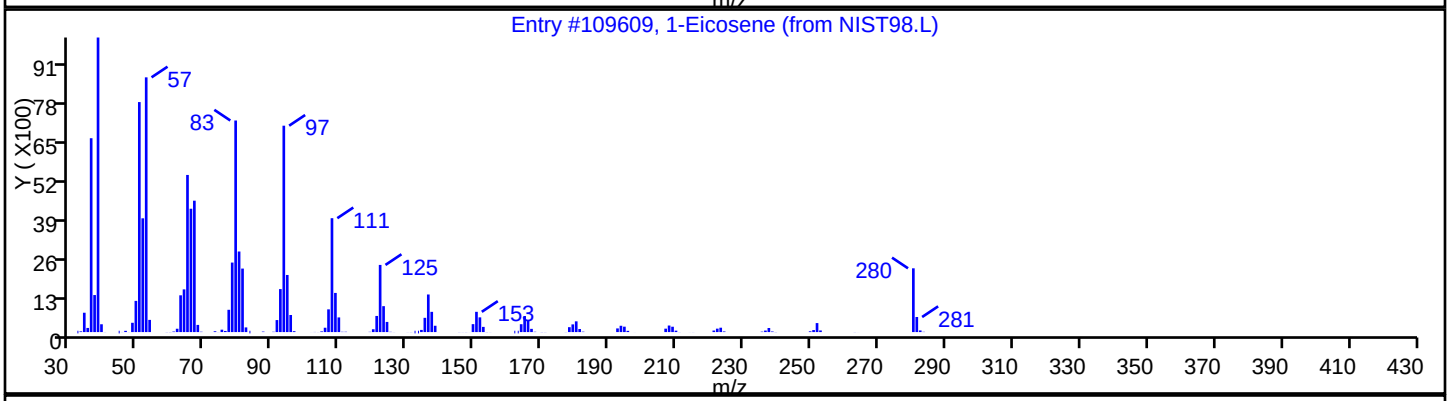
Client ID: OC-SB-471-0.0/1.0-XXX Instrument: Inst. B

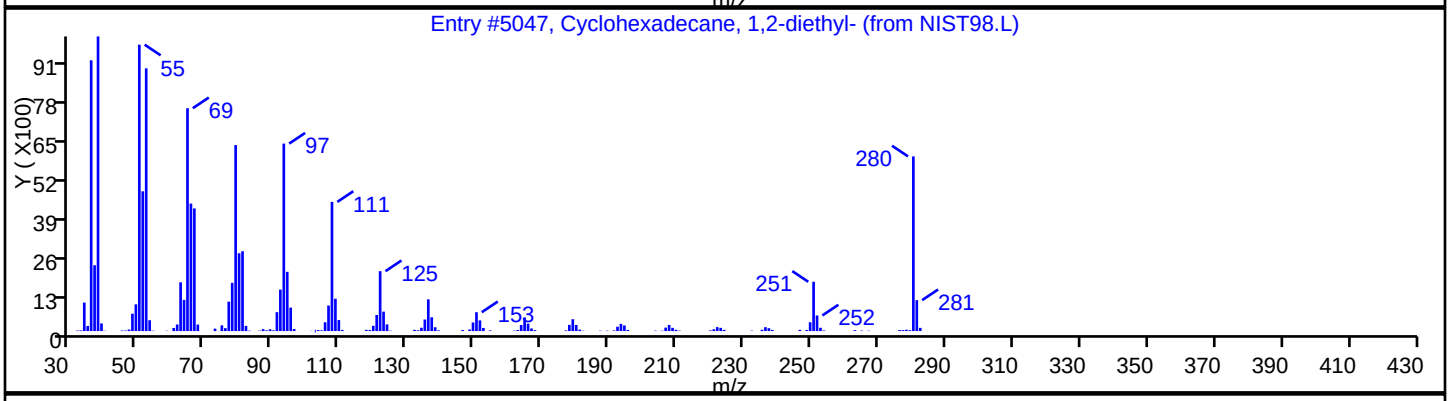
Sample Info: 24417A14C

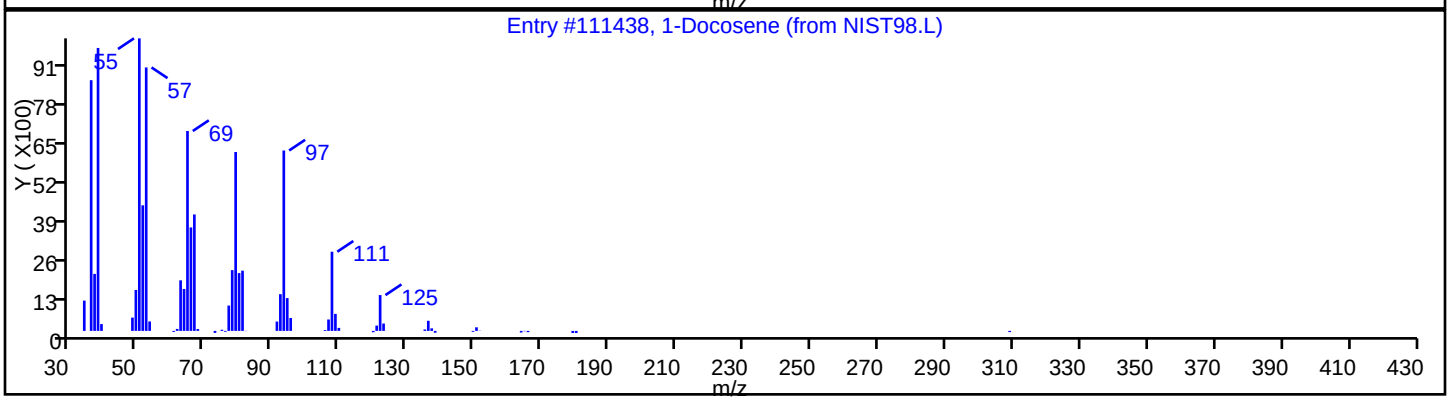
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Eicosene	3452-7-1	NIST98.L	109609	95
Cyclohexadecane, 1,2-diethyl-	1000155-85-3	NIST98.L	5047	95
1-Docosene	1599-67-3	NIST98.L	111438	94









Report Date: 25-Sep-2009 15:08:55 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D

Inj Date: 24-Sep-2009 04:53:30 Limit Group: SMS - 8270LL SVOA Calibration

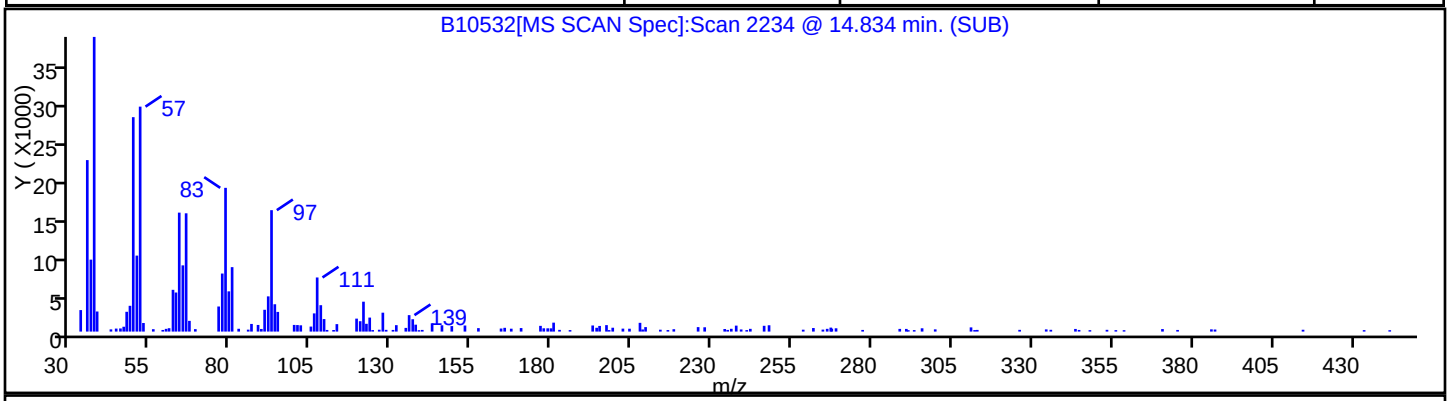
Lims Batch ID: 49444 Lims Sample ID: 44

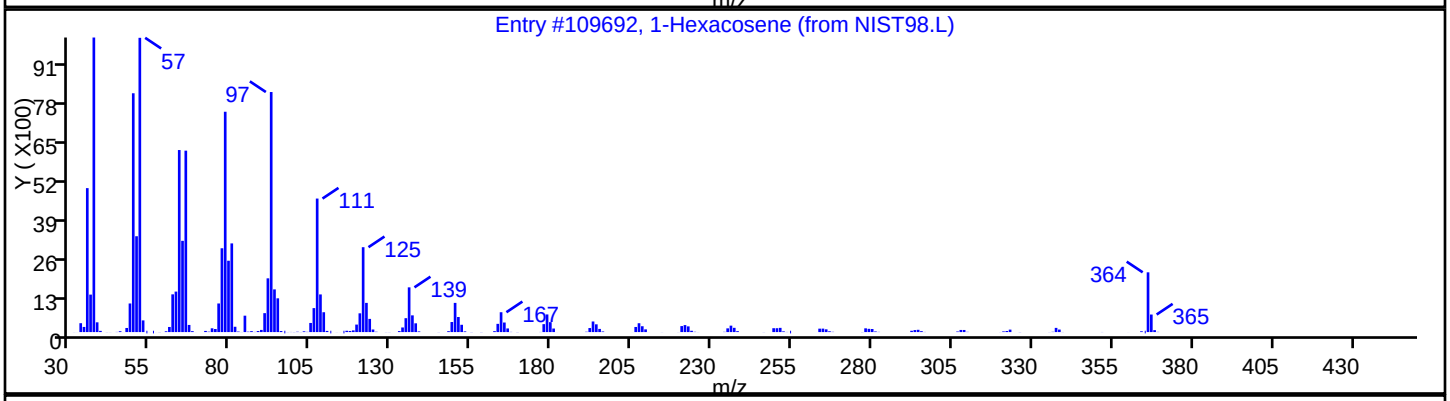
Client ID: OC-SB-471-0.0/1.0-XXX Instrument: Inst. B

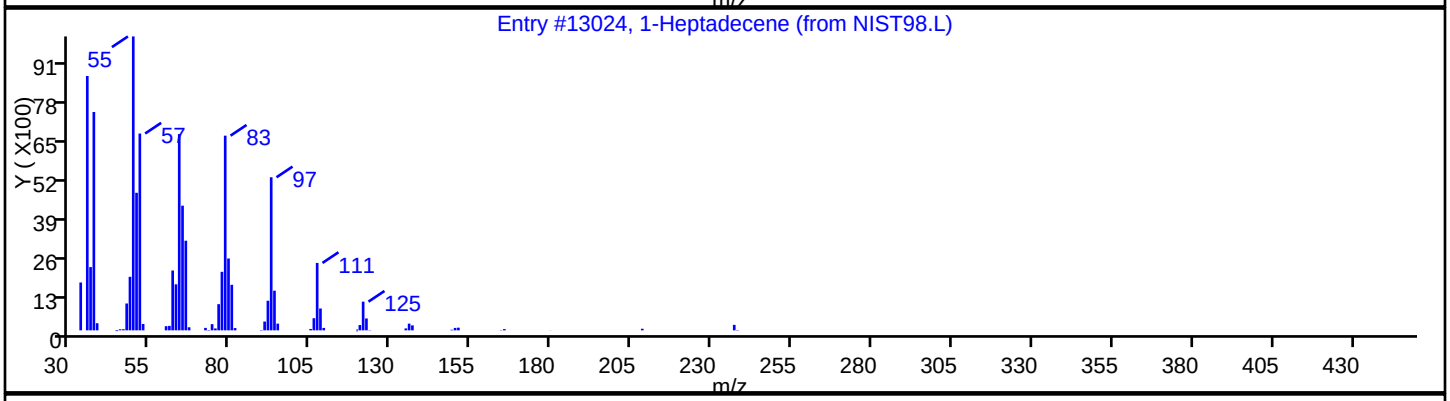
Sample Info: 24417A14C

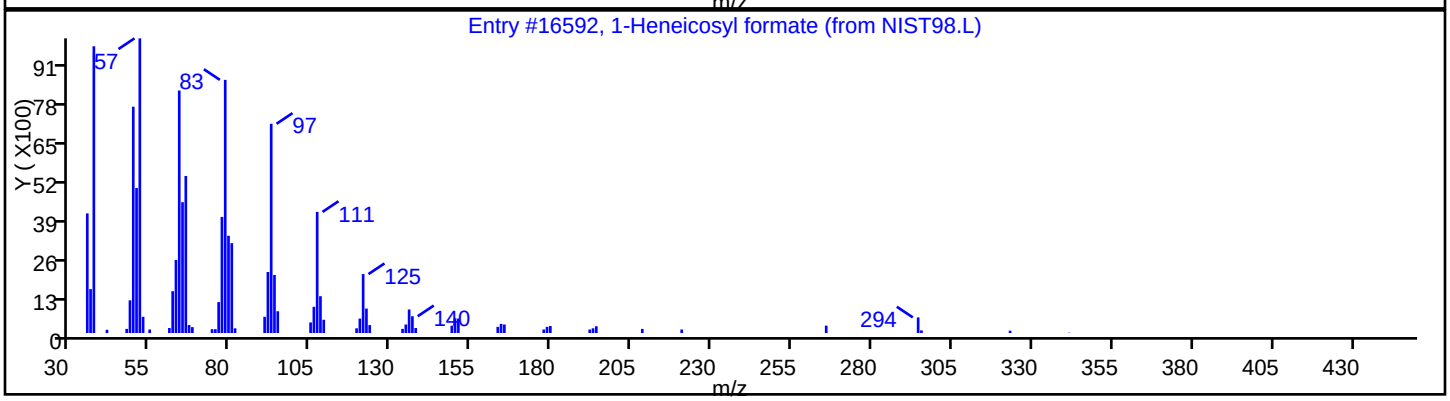
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Hexacosene	18835-33-1	NIST98.L	109692	99
1-Heptadecene	6765-39-5	NIST98.L	13024	98
1-Heneicosyl formate	77899-3-7	NIST98.L	16592	96









Report Date: 25-Sep-2009 15:08:55 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D

Inj Date: 24-Sep-2009 04:53:30 Limit Group: SMS - 8270LL SVOA Calibration

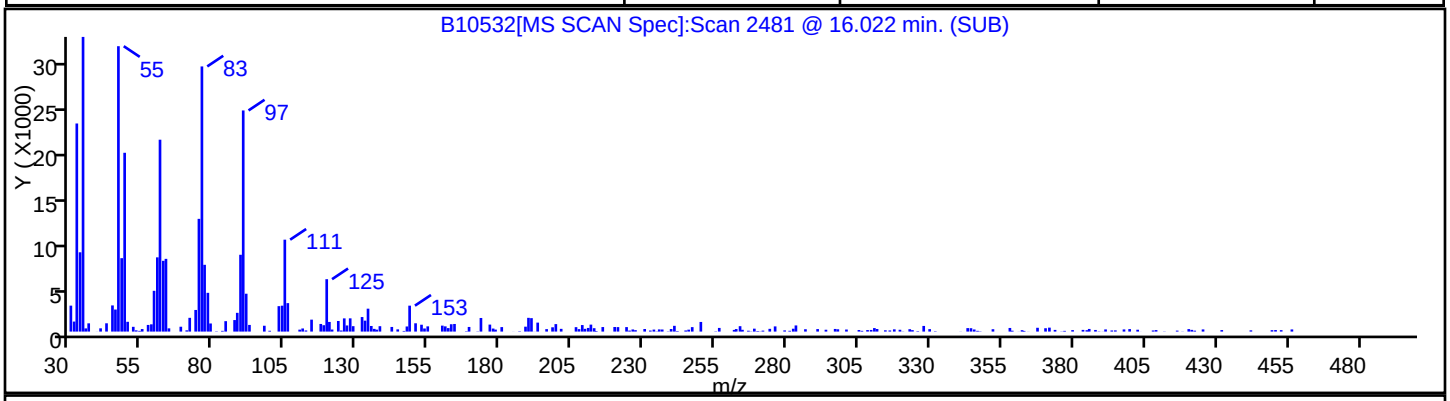
Lims Batch ID: 49444 Lims Sample ID: 44

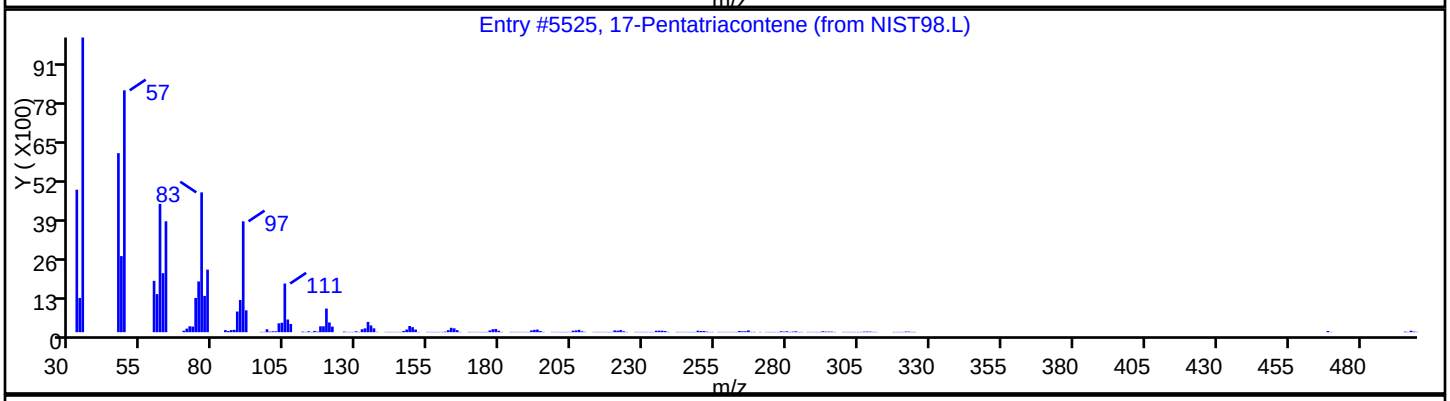
Client ID: OC-SB-471-0.0/1.0-XXX Instrument: Inst. B

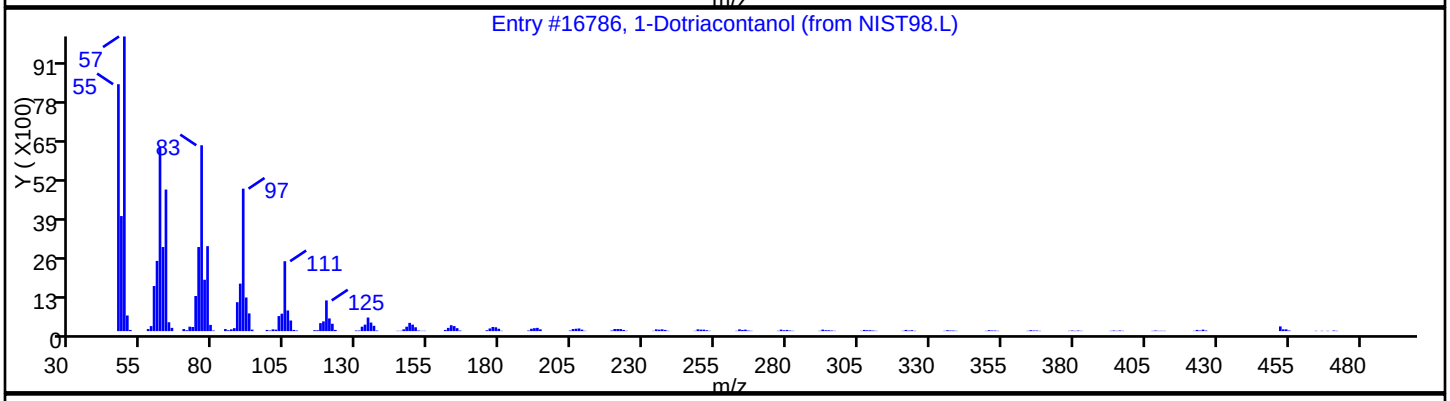
Sample Info: 24417A14C

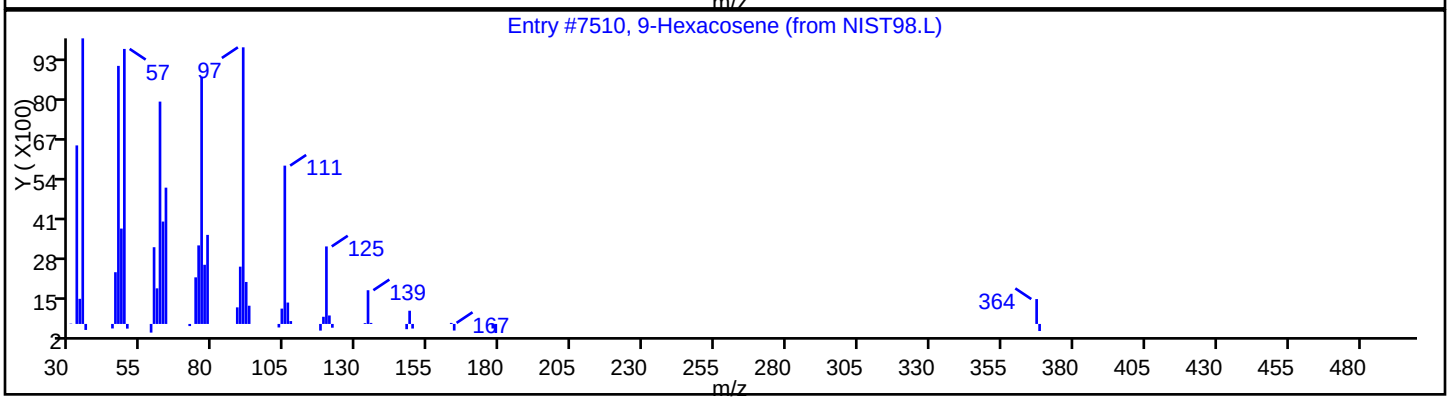
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
17-Pentatriacontene	6971-40-0	NIST98.L	5525	90
1-Dotriacontanol	6624-79-9	NIST98.L	16786	90
9-Hexacosene	71502-22-2	NIST98.L	7510	64









Report Date: 25-Sep-2009 15:08:55 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10532.D

Inj Date: 24-Sep-2009 04:53:30 Limit Group: SMS - 8270LL SVOA Calibration

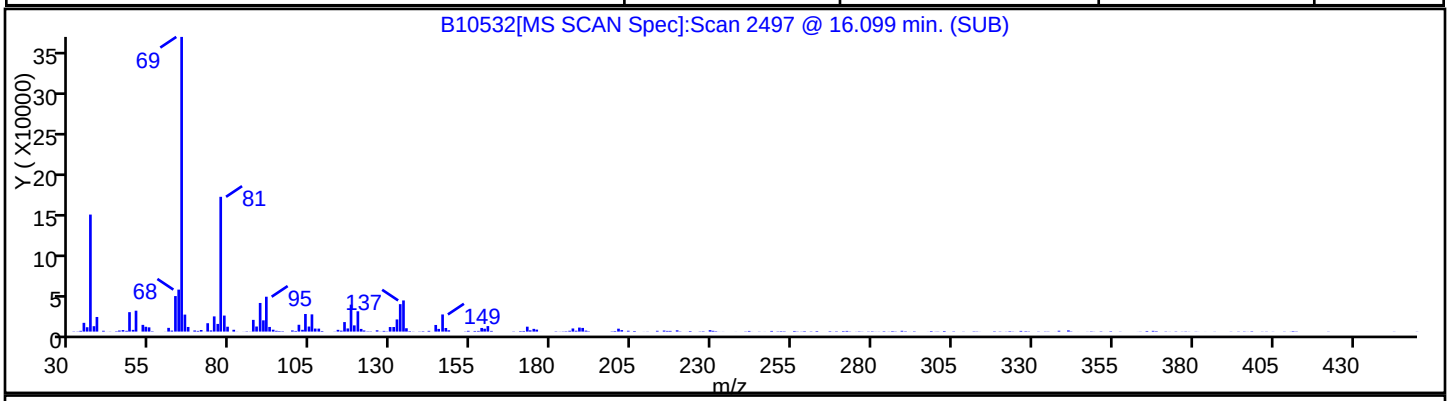
Lims Batch ID: 49444 Lims Sample ID: 44

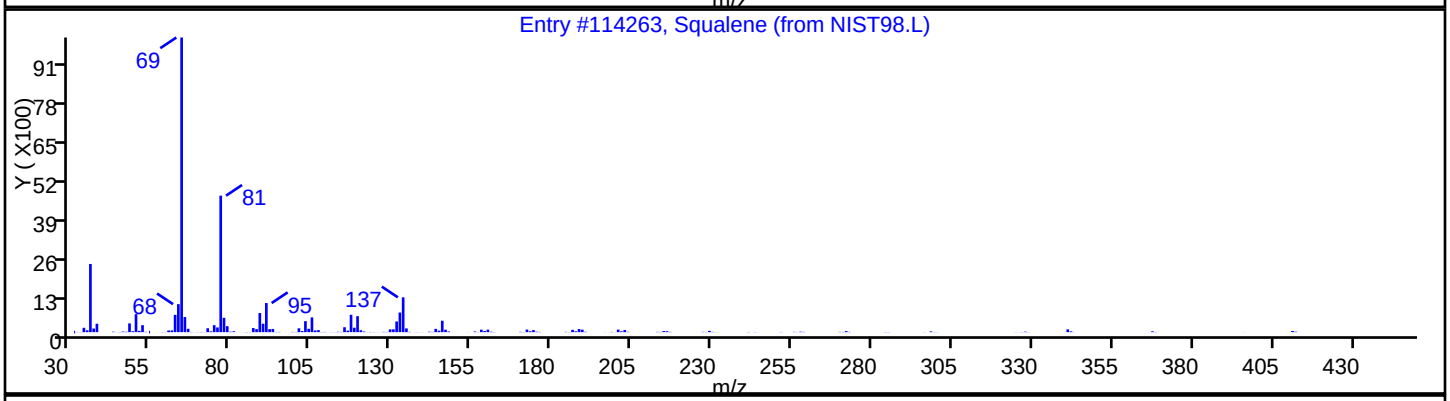
Client ID: OC-SB-471-0.0/1.0-XXX Instrument: Inst. B

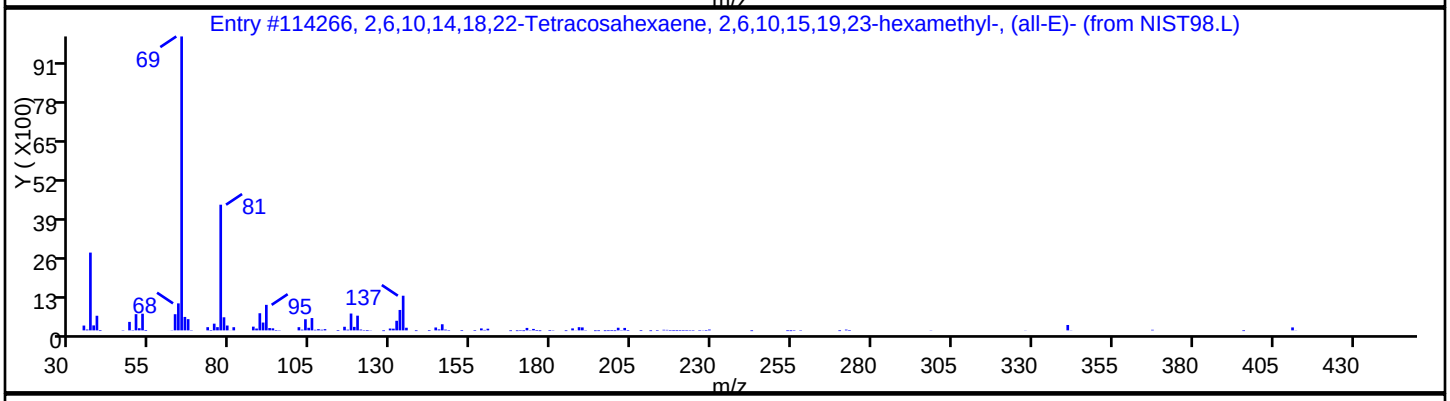
Sample Info: 24417A14C

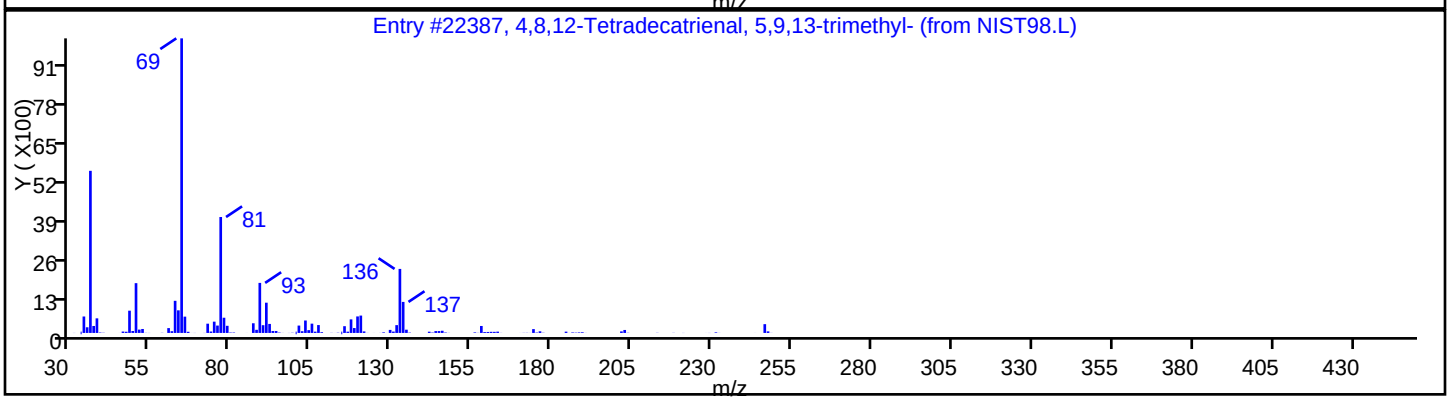
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	91
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	90
4,8,12-Tetradecatrienal, 5,9,13-trimethy	66408-55-7	NIST98.L	22387	80









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-3.0/5.0-XXX | Lab Sample ID: 360-24417-15

Matrix: Solid | Lab File ID: J03063.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 13:30

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

Sample wt/vol: 30.07(g) | Date Analyzed: 09/22/2009 01:45

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

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

% Moisture: 18.9 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	ND		41	12
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		41	12
120-82-1	1,2,4-Trichlorobenzene	ND		41	12
95-50-1	1,2-Dichlorobenzene	ND		41	12
541-73-1	1,3-Dichlorobenzene	ND		41	12
106-46-7	1,4-Dichlorobenzene	ND		41	12
90-12-0	1-Methylnaphthalene	ND		41	12
108-60-1	2,2'-oxybis[1-chloropropane]	ND		41	12
58-90-2	2,3,4,6-Tetrachlorophenol	ND		41	12
95-95-4	2,4,5-Trichlorophenol	ND		41	12
88-06-2	2,4,6-Trichlorophenol	ND		41	12
120-83-2	2,4-Dichlorophenol	ND		41	12
105-67-9	2,4-Dimethylphenol	ND		41	16
51-28-5	2,4-Dinitrophenol	ND		41	12
121-14-2	2,4-Dinitrotoluene	ND		41	12
606-20-2	2,6-Dinitrotoluene	ND		41	12
91-58-7	2-Chloronaphthalene	ND		41	12
95-57-8	2-Chlorophenol	ND		41	12
91-57-6	2-Methylnaphthalene	ND		41	12
95-48-7	2-Methylphenol	ND		41	25
88-74-4	2-Nitroaniline	ND		210	12
88-75-5	2-Nitrophenol	ND		41	12
15831-10-4	3 & 4 Methylphenol	ND		41	12
91-94-1	3,3'-Dichlorobenzidine	ND		82	12
99-09-2	3-Nitroaniline	ND		210	12
534-52-1	4,6-Dinitro-2-methylphenol	ND		210	12
101-55-3	4-Bromophenyl phenyl ether	ND		41	12
59-50-7	4-Chloro-3-methylphenol	ND		82	12
106-47-8	4-Chloroaniline	ND		82	12
7005-72-3	4-Chlorophenyl phenyl ether	ND		41	12
100-01-6	4-Nitroaniline	ND		210	12
100-02-7	4-Nitrophenol	ND		210	12
83-32-9	Acenaphthene	ND		41	12
208-96-8	Acenaphthylene	ND		41	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-3.0/5.0-XXX | Lab Sample ID: 360-24417-15

Matrix: Solid | Lab File ID: J03063.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 13:30

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

Sample wt/vol: 30.07(g) | Date Analyzed: 09/22/2009 01:45

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

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

% Moisture: 18.9 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		41	12
62-53-3	Aniline	ND		41	12
120-12-7	Anthracene	ND		41	12
1912-24-9	Atrazine	ND		41	12
103-33-3	Azobenzene	ND		41	12
100-52-7	Benzaldehyde	ND		41	12
56-55-3	Benzo[a]anthracene	ND		41	12
50-32-8	Benzo[a]pyrene	ND		41	12
205-99-2	Benzo[b]fluoranthene	ND		41	12
191-24-2	Benzo[g,h,i]perylene	ND		41	12
207-08-9	Benzo[k]fluoranthene	ND		41	12
65-85-0	Benzoic acid	ND		210	18
119-61-9	Benzophenone	ND		41	12
100-51-6	Benzyl alcohol	ND		82	35
111-91-1	Bis(2-chloroethoxy)methane	ND		41	12
111-44-4	Bis(2-chloroethyl)ether	ND		41	12
117-81-7	Bis(2-ethylhexyl) phthalate	290		41	12
85-68-7	Butyl benzyl phthalate	ND		41	12
105-60-2	Caprolactam	ND		41	12
86-74-8	Carbazole	ND		41	12
218-01-9	Chrysene	ND		41	12
53-70-3	Dibenz(a,h)anthracene	ND		41	12
132-64-9	Dibenzofuran	ND		41	12
84-66-2	Diethyl phthalate	ND		41	12
131-11-3	Dimethyl phthalate	ND		41	12
84-74-2	Di-n-butyl phthalate	ND		41	36
117-84-0	Di-n-octyl phthalate	ND		41	21
101-84-8	Diphenyl oxide	ND		41	12
122-39-4	Diphenylamine	ND		41	12
206-44-0	Fluoranthene	ND		41	12
86-73-7	Fluorene	ND		41	12
118-74-1	Hexachlorobenzene	ND		41	12
87-68-3	Hexachlorobutadiene	ND		41	12
77-47-4	Hexachlorocyclopentadiene	ND		82	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-3.0/5.0-XXX | Lab Sample ID: 360-24417-15

Matrix: Solid | Lab File ID: J03063.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 13:30

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

Sample wt/vol: 30.07(g) | Date Analyzed: 09/22/2009 01:45

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

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

% Moisture: 18.9 | GPC Cleanup:(Y/N) N

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	ND		41	12
193-39-5	Indeno[1,2,3-cd]pyrene	ND		41	12
78-59-1	Isophorone	ND		41	12
91-20-3	Naphthalene	ND		98	12
98-95-3	Nitrobenzene	ND		41	12
62-75-9	N-Nitrosodimethylamine	ND		41	15
621-64-7	N-Nitrosodi-n-propylamine	ND		41	12
86-30-6	N-Nitrosodiphenylamine	ND		41	12
87-86-5	Pentachlorophenol	ND		41	12
85-01-8	Phenanthrene	ND		49	12
108-95-2	Phenol	ND		41	12
129-00-0	Pyrene	ND		41	12

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	68	30-130	
367-12-4	2-Fluorophenol	62	30-130	
321-60-8	2-Fluorobiphenyl	57	30-130	
4165-60-0	Nitrobenzene-d5	56	30-130	
4165-62-2	Phenol-d5	66	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.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-3.0/5.0-XXX | Lab Sample ID: 360-24417-15

Matrix: Solid | Lab File ID: J03063.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 13:30

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

Sample wt/vol: 30.07(g) | Date Analyzed: 09/22/2009 01:45

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

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

% Moisture: 18.9 | GPC Cleanup:(Y/N) N

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

Number TICs Found: 10 | TIC Result Total: 1330

CAS NO.	COMPOUND NAME	RT	RESULT	Q
123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	6.23	17	T J N
128-37-0	Butylated Hydroxytoluene	9.44	15	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	9.99	17	T J N
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	10.46	32	T J N
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene	10.96	11	T J N
112-61-8	Octadecanoic acid, methyl ester	12.09	11	T J N
297-3-0	Cyclotetracosane	14.02	93	T J N
7683-64-9	Squalene	14.35	140	T J N
26603-23-6	p,p''-Dioctyldiphenylamine	14.82	910	T J N
83-47-6	.gamma.-Sitosterol	15.96	84	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03063.D		
Lims ID:	360-24417-A-15-C	Client ID:	OC-SB-471-3.0/5.0-XXX
Inject. Date:	22-Sep-2009 01:45:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-15-c		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	49260	Lims Sample ID:	25
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:26:23	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 15:26:23

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.302	6.302	0.000	75469	2.00	
* 2 Naphthalene-d8	136	7.638	7.643	-0.005	187779	2.00	
* 3 Acenaphthene-d10	164	9.370	9.370	0.000	92216	2.00	
* 4 Phenanthrene-d10	188	10.807	10.808	-0.001	148519	2.00	
* 5 Chrysene-d12	240	13.370	13.371	-0.001	95791	2.00	
* 6 Perylene-d12	264	14.707	14.708	-0.001	73040	2.00	
$ 7 2-Fluorophenol	112	4.489	4.436	0.053	147427	6.18	
$ 8 Phenol-d5	99	5.975	5.965	0.010	186493	6.64	
$ 9 Nitrobenzene-d5	82	6.917	6.917	0.000	82555	2.82	
$ 10 2-Fluorobiphenyl	172	8.735	8.735	0.000	166428	2.84	
$ 11 2,4,6-Tribromophenol	330	10.139	10.139	0.000	45878	6.77	
$ 12 Terphenyl-d14	244	12.385	12.385	0.000	138910	3.42	
30 Acetophenone	105	6.773	6.768	0.005	3406	0.1084	
46 2-Methylnaphthalene	142	8.360	8.360	0.000	587	0.0110	
47 1-Methylnaphthalene	142	8.451	8.451	0.000	525	0.0100	
66 Diethyl phthalate	149	9.846	9.846	0.000	1284	0.0230	
80 Phenanthrene	178	10.827	10.827	0.000	2474	0.0329	
84 Di-n-butyl phthalate	149	11.447	11.447	0.000	18351	0.2609	
87 Fluoranthene	202	11.976	11.981	-0.005	3104	0.0520	
85 Pyrene	202	12.192	12.193	-0.001	2471	0.0379	
92 Bis(2-ethylhexyl) phthalate	149	13.481	13.481	0.000	333537	7.14	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03063.D		
Lims ID:	360-24417-A-15-C	Client ID:	OC-SB-471-3.0/5.0-XXX
Inject. Date:	22-Sep-2009 01:45:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	360-24417-a-15-c		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	49260	Lims Sample ID:	25
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:26:23	Calib Date:	21-Sep-2009 18:59:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 15:26:23

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	7.696	98	0.0481	
Benzidine	12.163	38	0.5313	

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-					
6.234	69599	0.4168	1	95	17462	
128-37-0	Butylated Hydroxytoluene					
9.437	77019	0.3728	3	96	84224	
615-22-5	Benzothiazole, 2-(methylthio)-					
9.985	88016	0.4260	3	98	77800	
3910-35-8	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3					
10.461	169564	0.7830	4	98	126944	
22768-22-5	2,4-Diphenyl-4-methyl-2(E)-pentene					
10.961	59488	0.2747	4	91	64461	
112-61-8	Octadecanoic acid, methyl ester					
12.087	59277	0.2737	4	93	115467	
297-3-0	Cyclotetracosane					
14.015	795468	2.26	5	97	33283	
7683-64-9	Squalene					
14.351	422678	3.36	6	98	114263	

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
26603-23-6 p,p'-Dioctyldiphenylamine						
14.823	2799903	22.3	6	98	101420	
83-47-6 .gamma.-Sitosterol						
15.958	256955	2.04	6	94	109486	

Quantitation Compounds

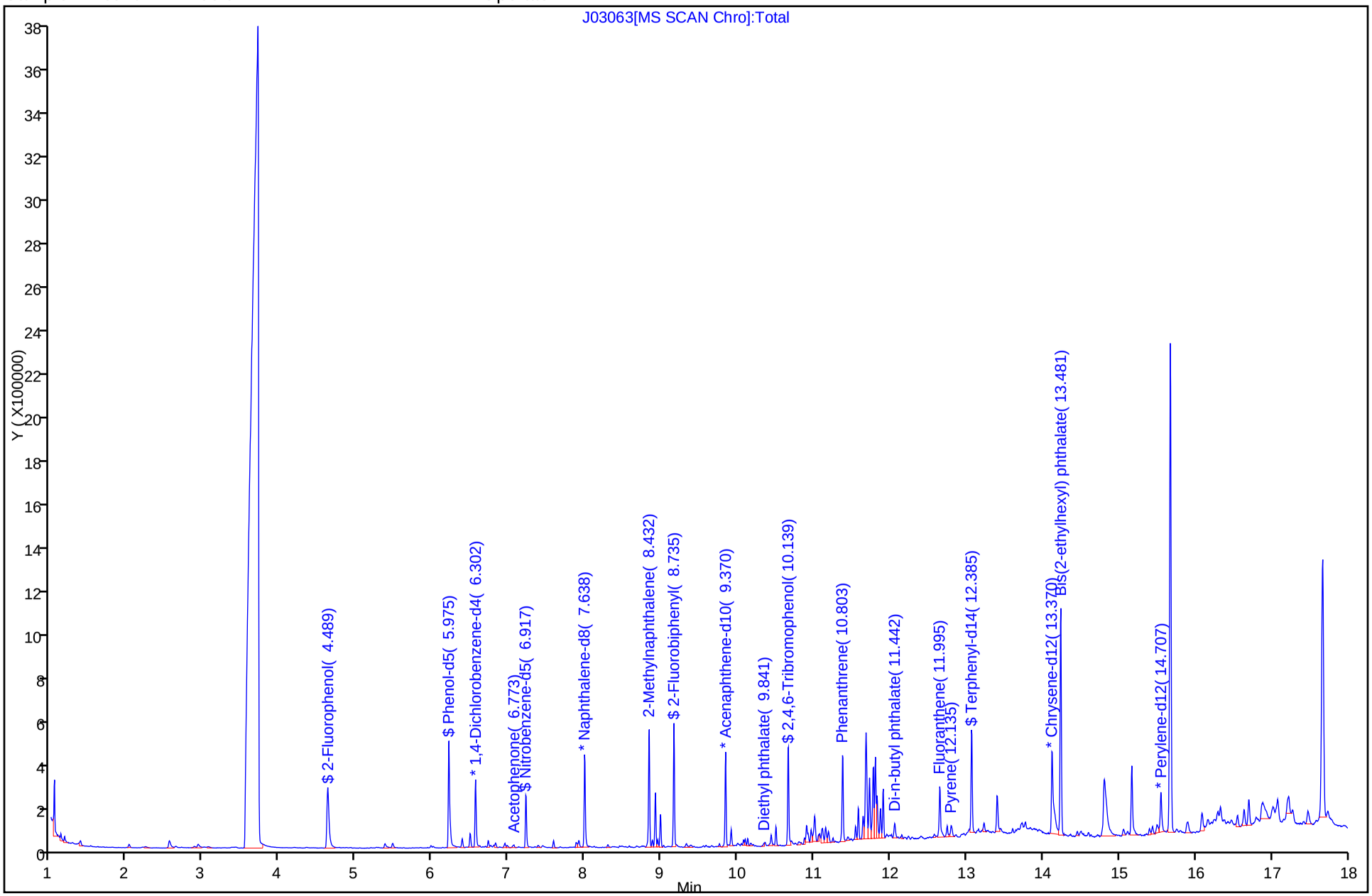
Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	6.302	333995	2.00
* 3 Acenaphthene-d10	9.370	413206	2.00
* 4 Phenanthrene-d10	10.803	433109	2.00
* 5 Chrysene-d12	13.370	704799	2.00
* 6 Perylene-d12	14.707	251626	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 15:26:24 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03063.D		
Inj Date:	22-Sep-2009 01:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	25
Client ID:	OC-SB-471-3.0/5.0-XXX	Instrument:	Inst. J
Sample Info:	360-24417-a-15-c		
Sample Amount:	1.00 ul	Operator:	



Report Date: 23-Sep-2009 15:26:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03063.D

Inj Date: 22-Sep-2009 01:45:30 Limit Group: SMS - 8270LL SVOA Calibration

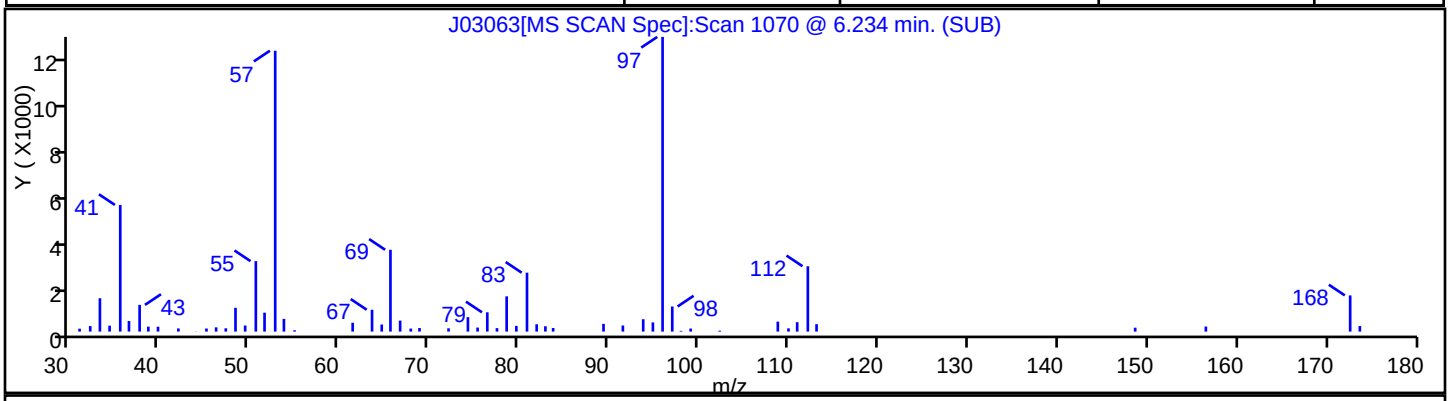
Lims Batch ID: 49260 Lims Sample ID: 25

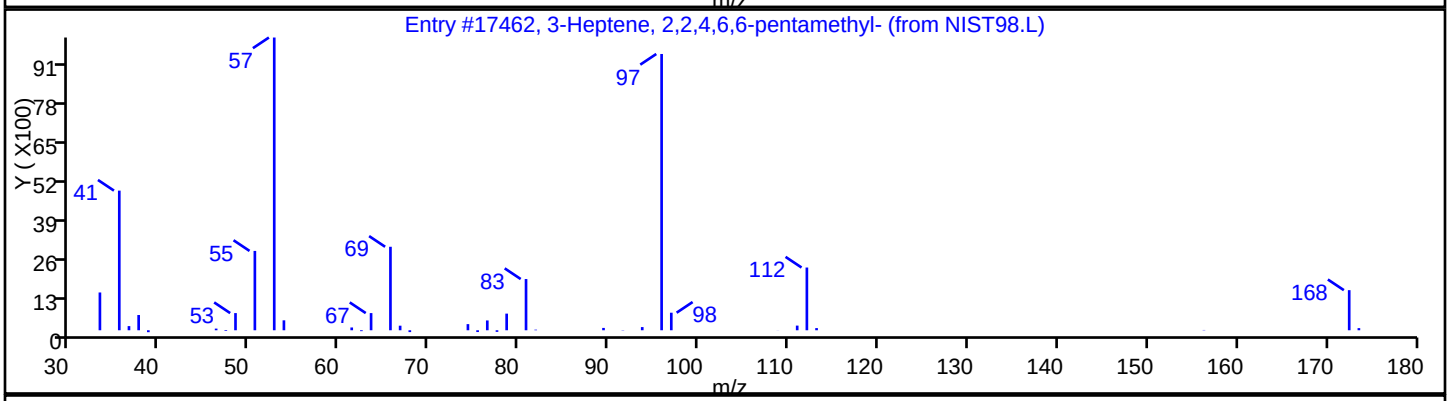
Client ID: OC-SB-471-3.0/5.0-XXX Instrument: Inst. J

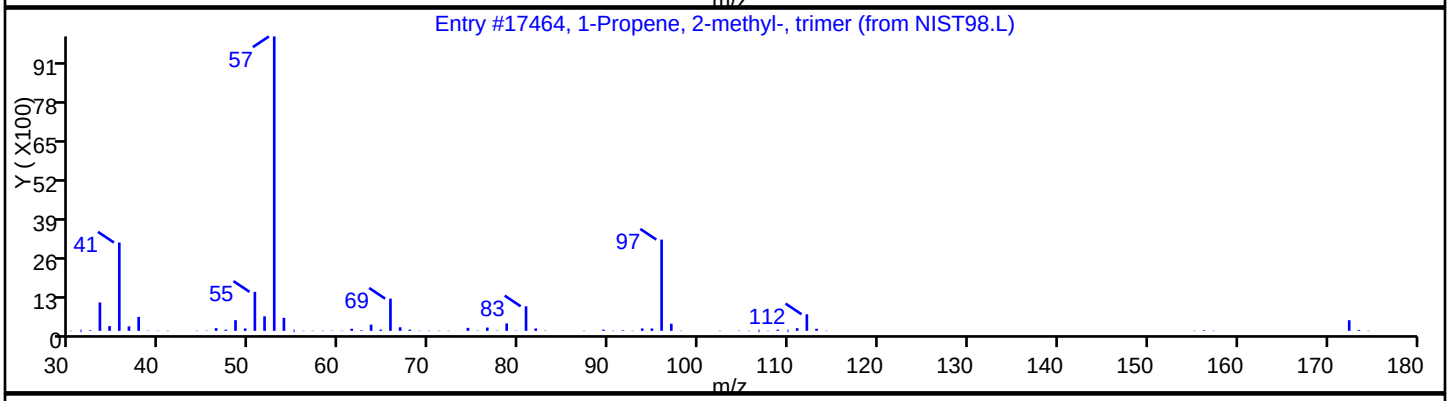
Sample Info: 360-24417-a-15-c

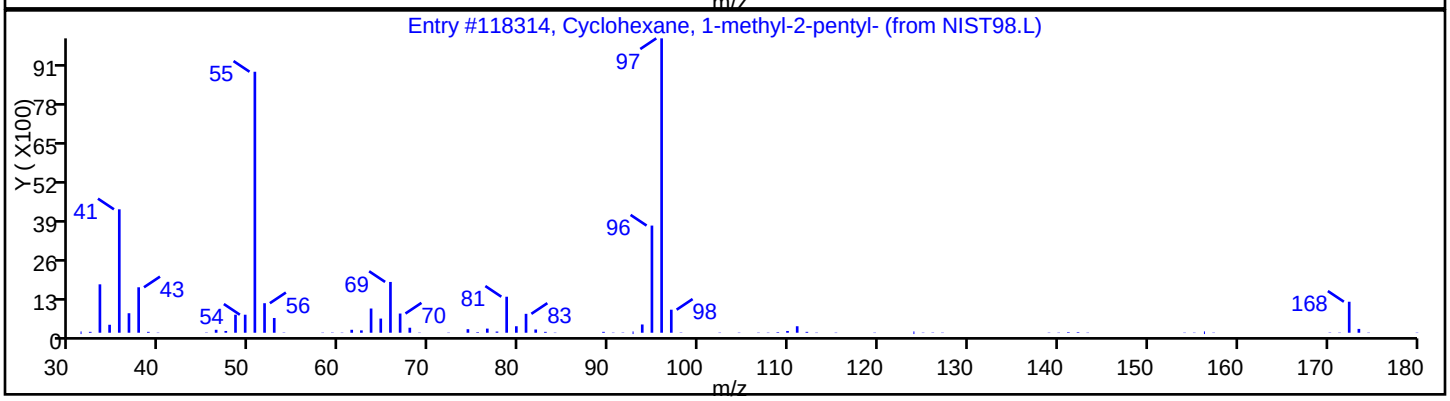
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
3-Heptene, 2,2,4,6,6-pentamethyl-	123-48-8	NIST98.L	17462	95
1-Propene, 2-methyl-, trimer	7756-94-7	NIST98.L	17464	64
Cyclohexane, 1-methyl-2-pentyl-	54411-1-7	NIST98.L	118314	52









Report Date: 23-Sep-2009 15:26:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03063.D

Inj Date: 22-Sep-2009 01:45:30 Limit Group: SMS - 8270LL SVOA Calibration

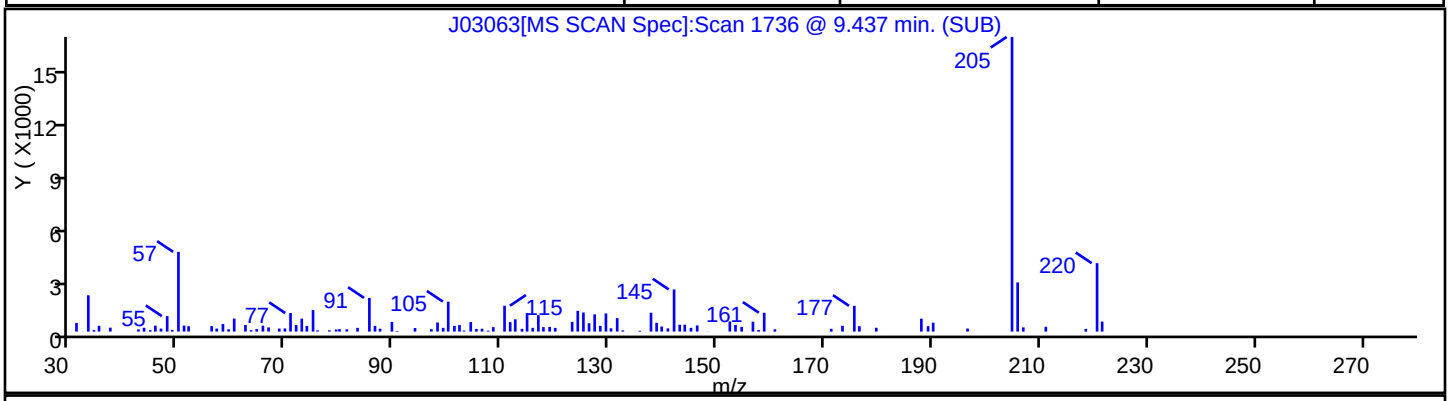
Lims Batch ID: 49260 Lims Sample ID: 25

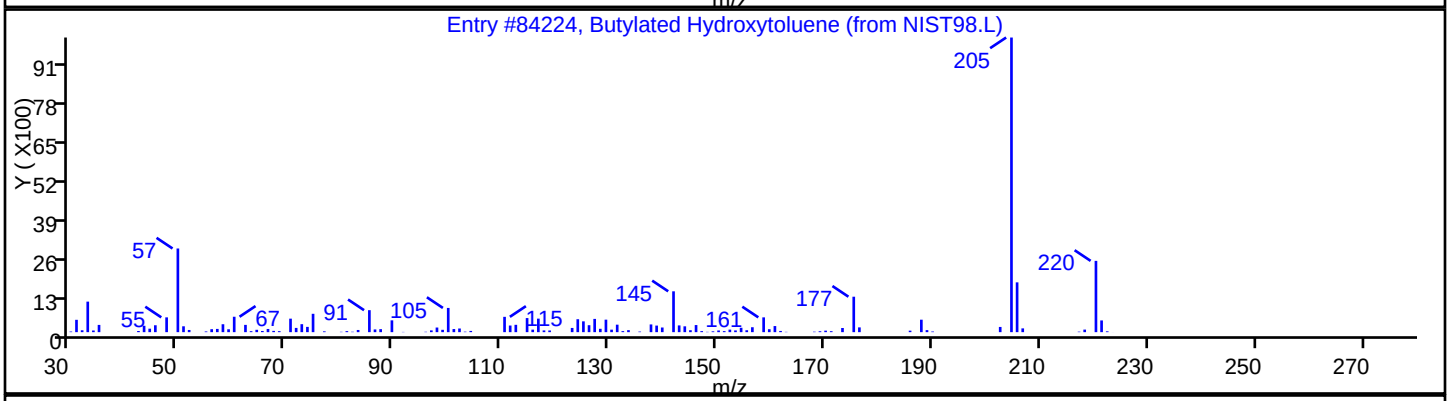
Client ID: OC-SB-471-3.0/5.0-XXX Instrument: Inst. J

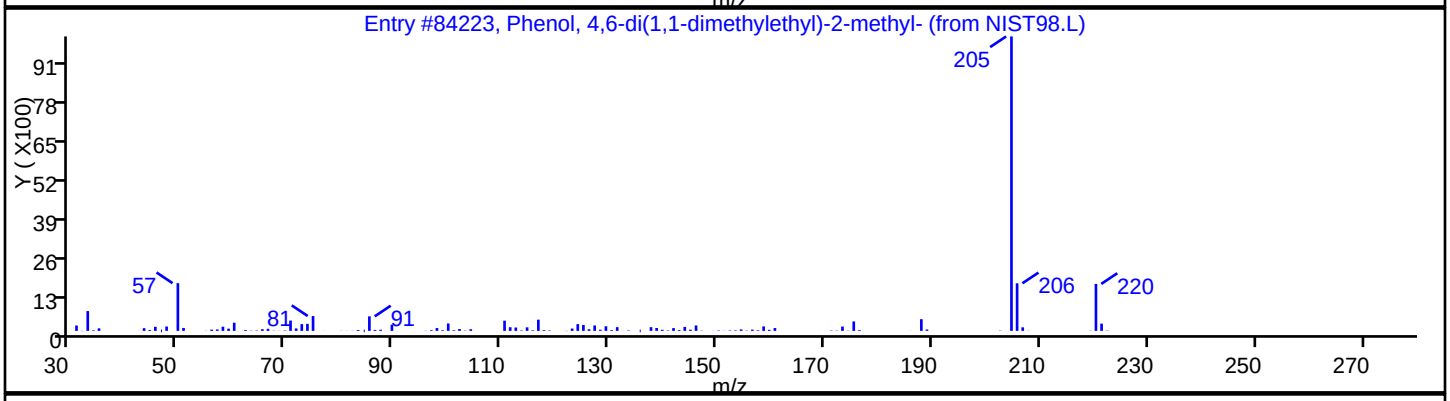
Sample Info: 360-24417-a-15-c

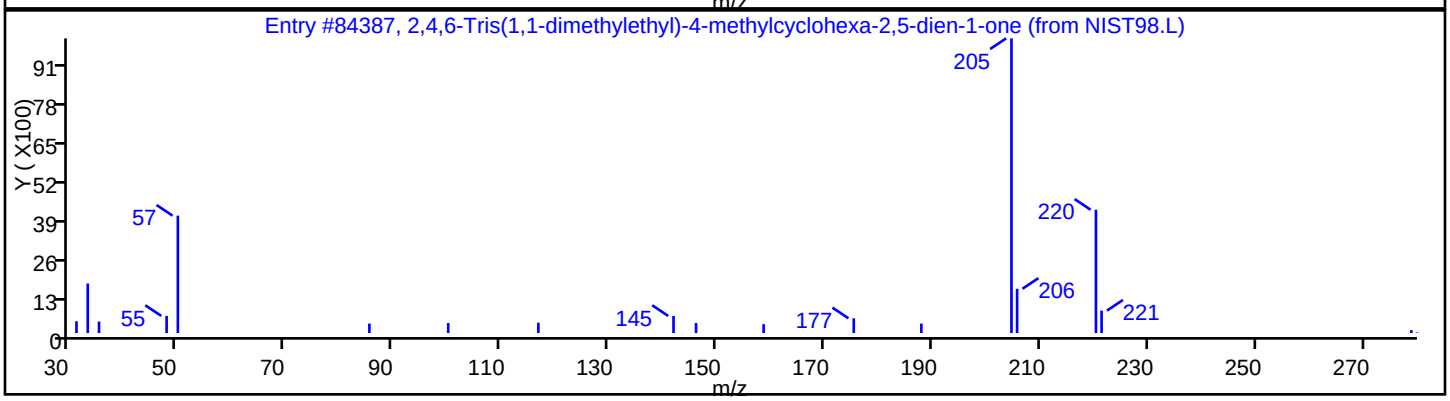
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butylated Hydroxytoluene	128-37-0	NIST98.L	84224	96
Phenol, 4,6-di(1,1-dimethylethyl)-2-meth	616-55-7	NIST98.L	84223	83
2,4,6-Tris(1,1-dimethylethyl)-4-methylcy	19687-22-0	NIST98.L	84387	64









Report Date: 23-Sep-2009 15:26:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03063.D

Inj Date: 22-Sep-2009 01:45:30 Limit Group: SMS - 8270LL SVOA Calibration

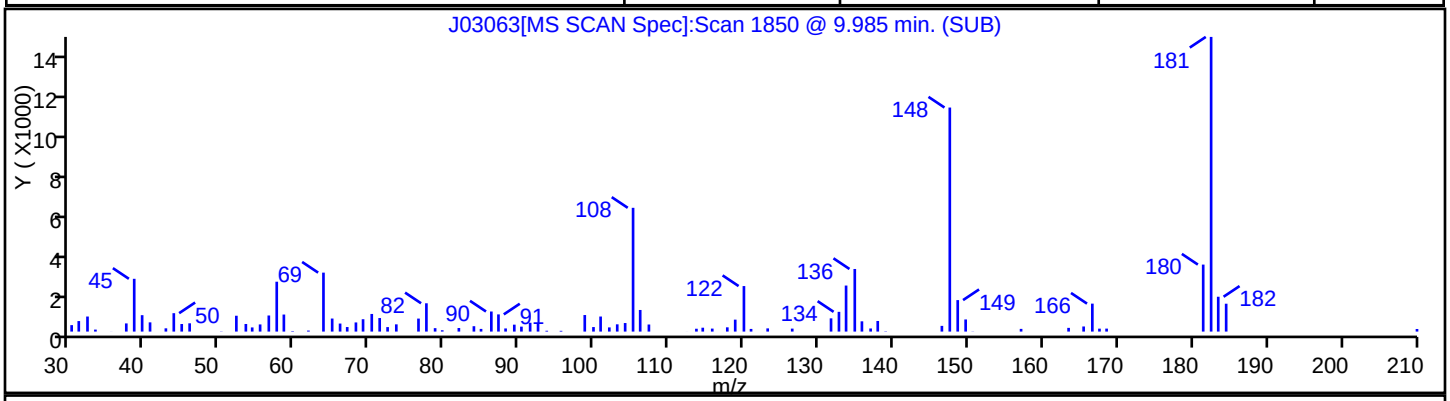
Lims Batch ID: 49260 Lims Sample ID: 25

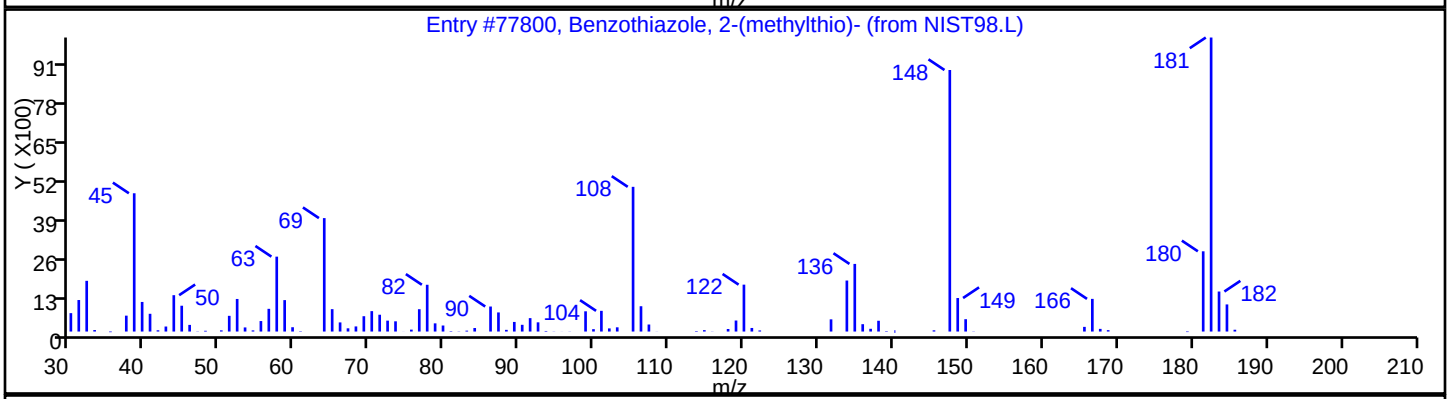
Client ID: OC-SB-471-3.0/5.0-XXX Instrument: Inst. J

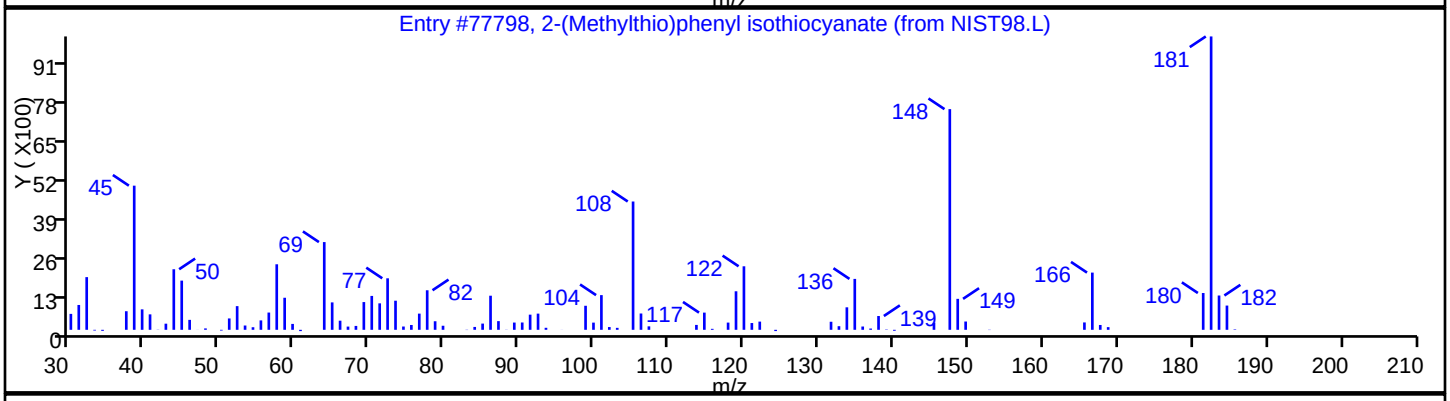
Sample Info: 360-24417-a-15-c

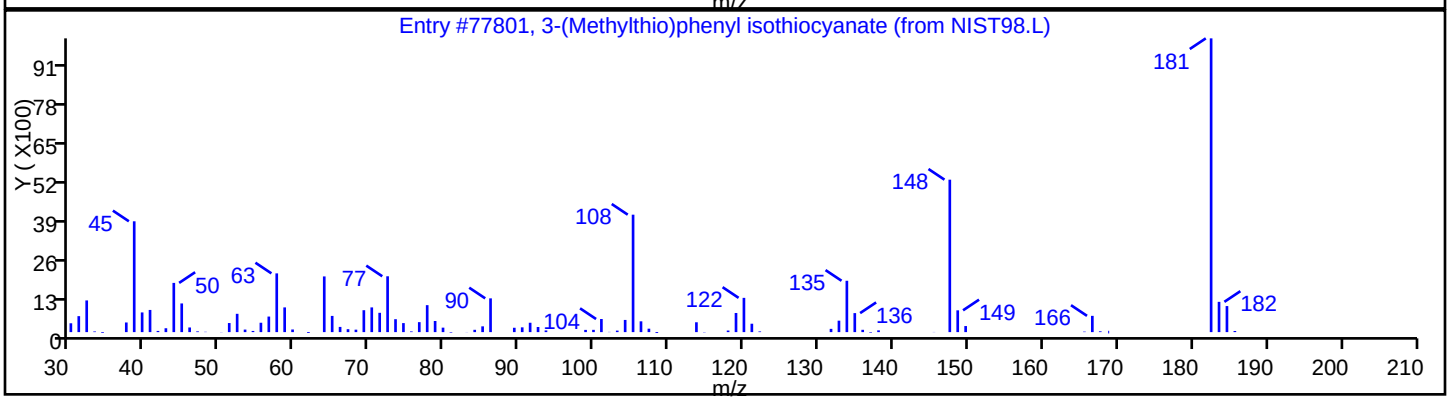
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	77800	98
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	87
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	81





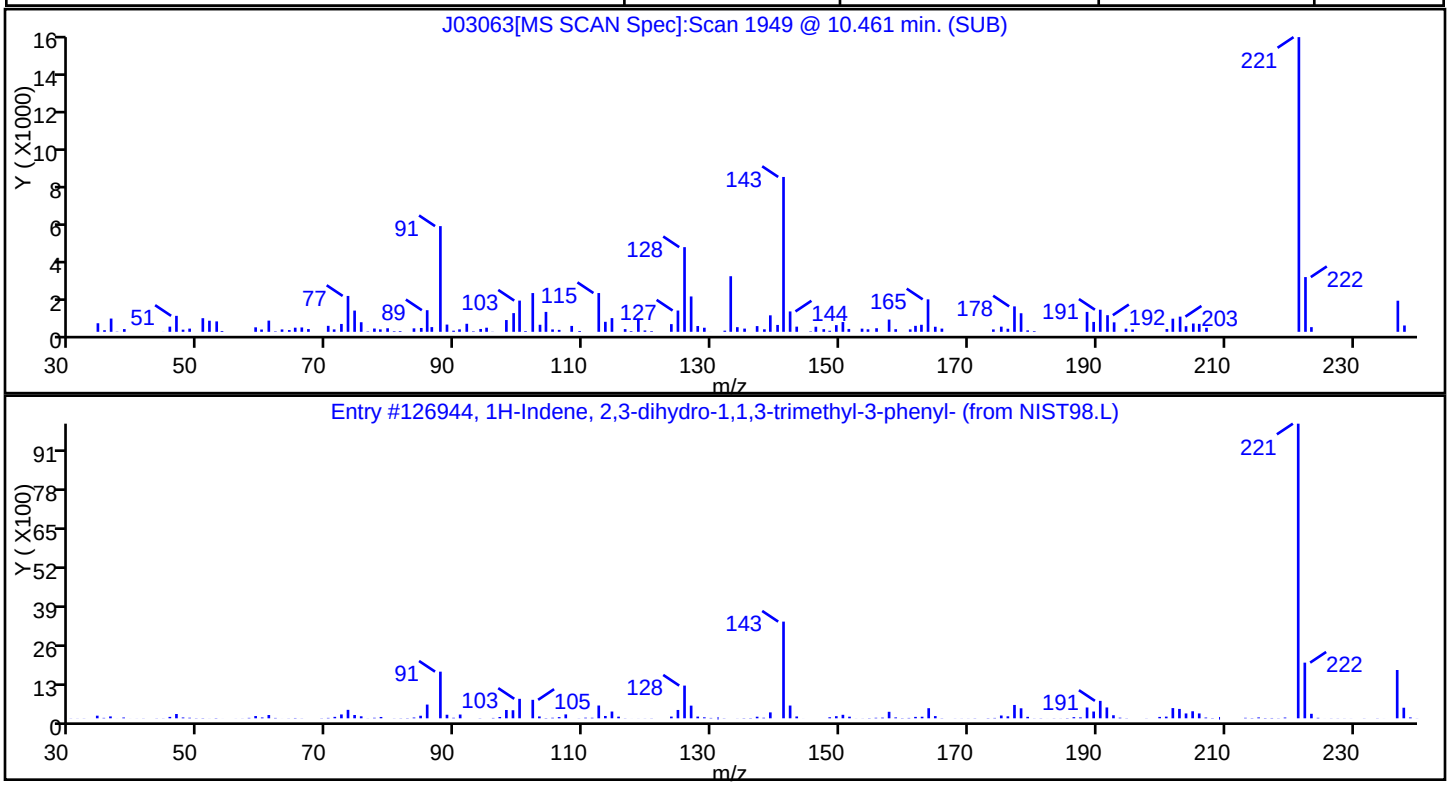




Report Date: 23-Sep-2009 15:26:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03063.D		
Inj Date:	22-Sep-2009 01:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	25
Client ID:	OC-SB-471-3.0/5.0-XXX	Instrument:	Inst. J
Sample Info:	360-24417-a-15-c		
Sample Amount:	1.00 ul	Operator:	

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-3	3910-35-8	NIST98.L	126944	98



Report Date: 23-Sep-2009 15:26:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03063.D

Inj Date: 22-Sep-2009 01:45:30 Limit Group: SMS - 8270LL SVOA Calibration

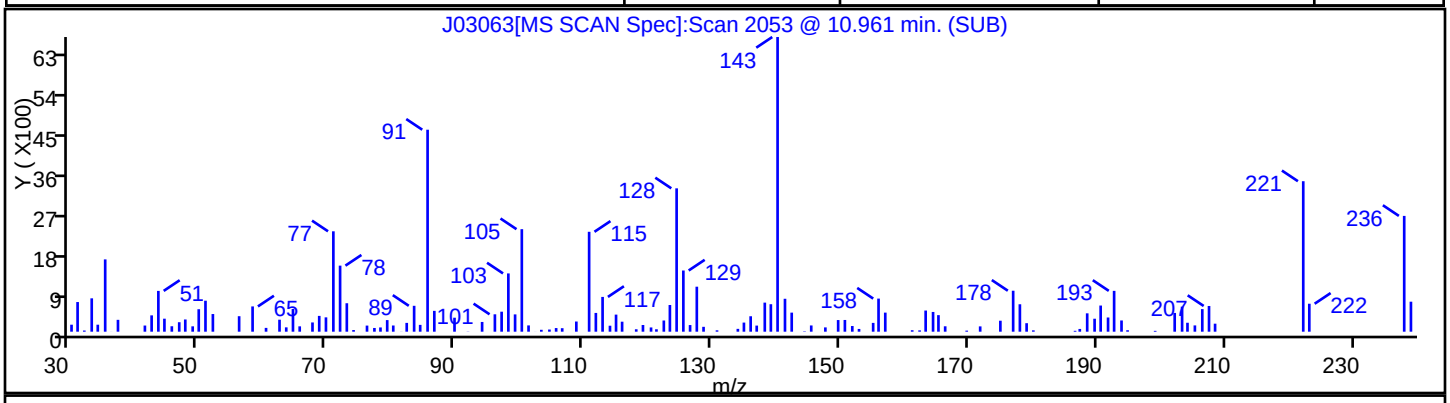
Lims Batch ID: 49260 Lims Sample ID: 25

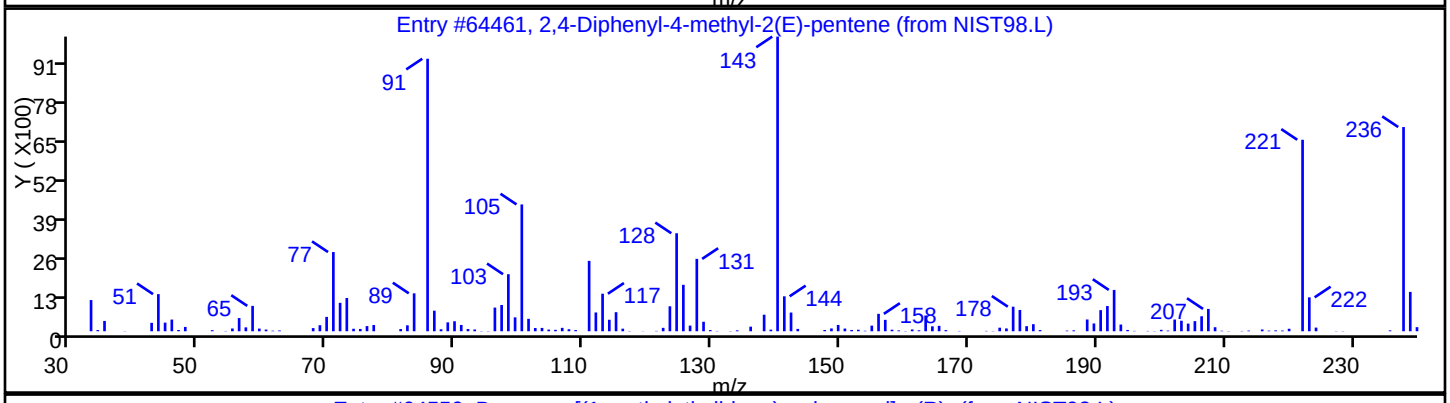
Client ID: OC-SB-471-3.0/5.0-XXX Instrument: Inst. J

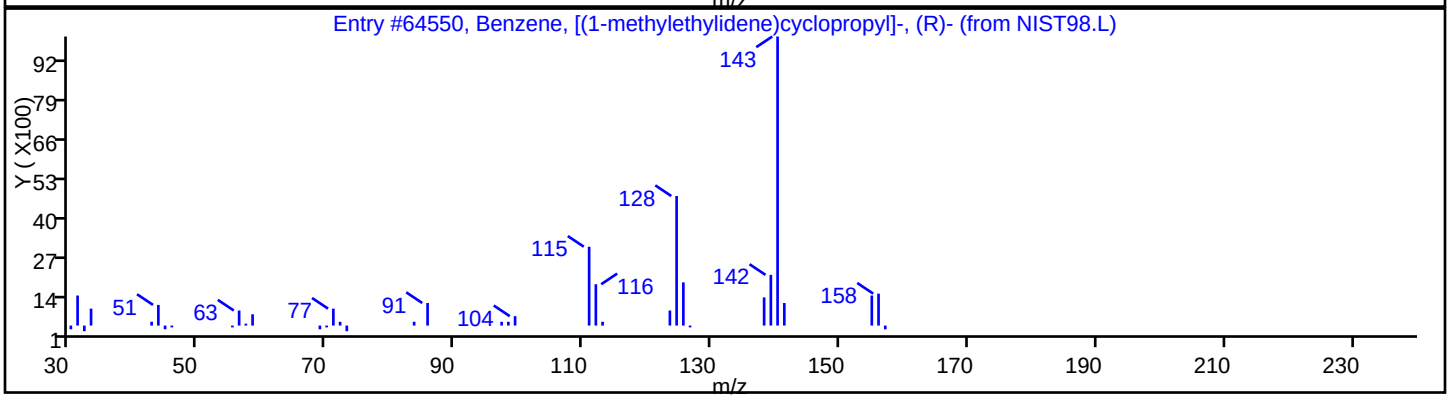
Sample Info: 360-24417-a-15-c

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
2,4-Diphenyl-4-methyl-2(E)-pentene	22768-22-5	NIST98.L	64461	91
Benzene, [(1-methylethylidene)cyclopropy	24524-55-8	NIST98.L	64550	50







Report Date: 23-Sep-2009 15:26:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03063.D

Inj Date: 22-Sep-2009 01:45:30 Limit Group: SMS - 8270LL SVOA Calibration

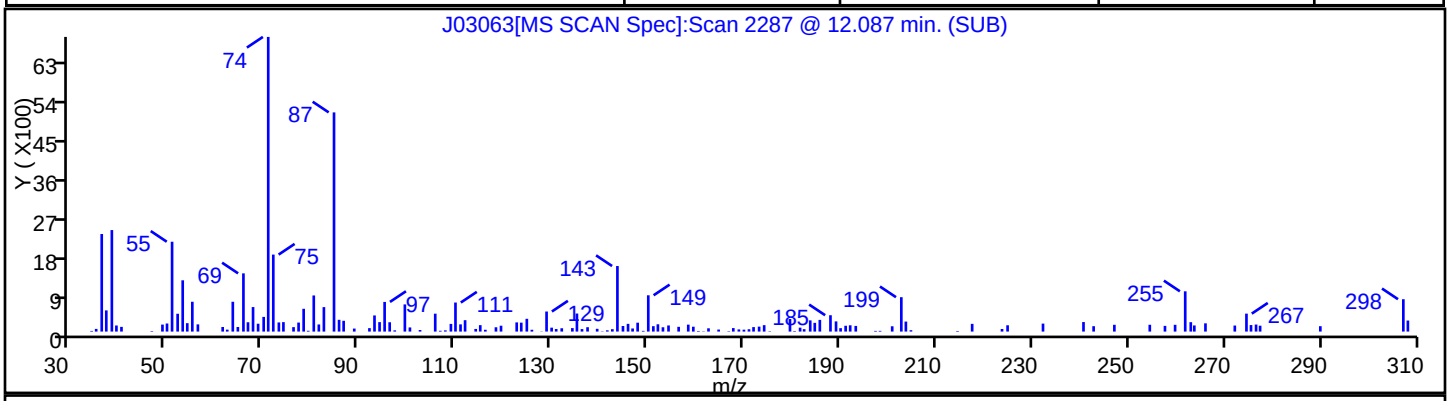
Lims Batch ID: 49260 Lims Sample ID: 25

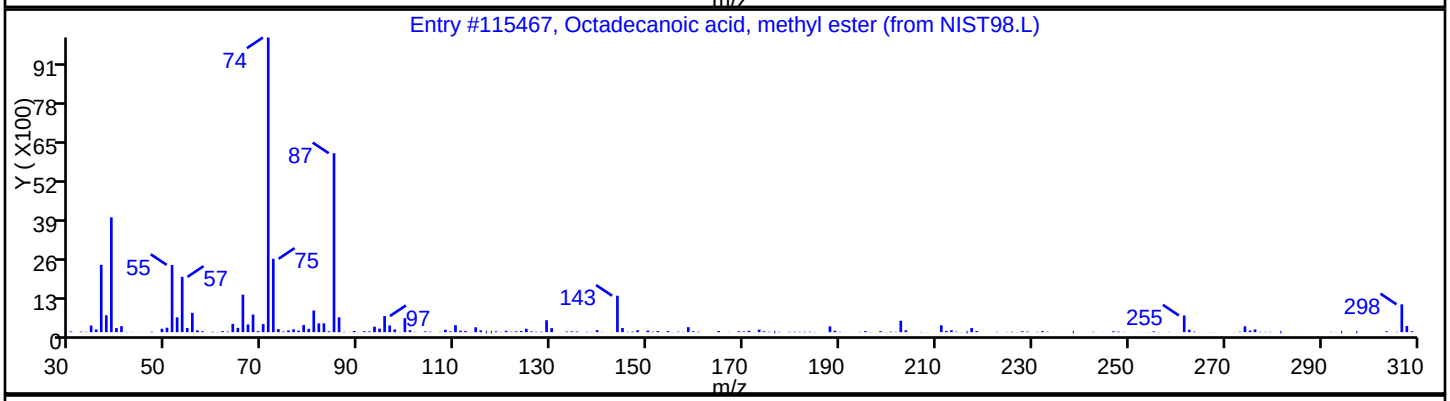
Client ID: OC-SB-471-3.0/5.0-XXX Instrument: Inst. J

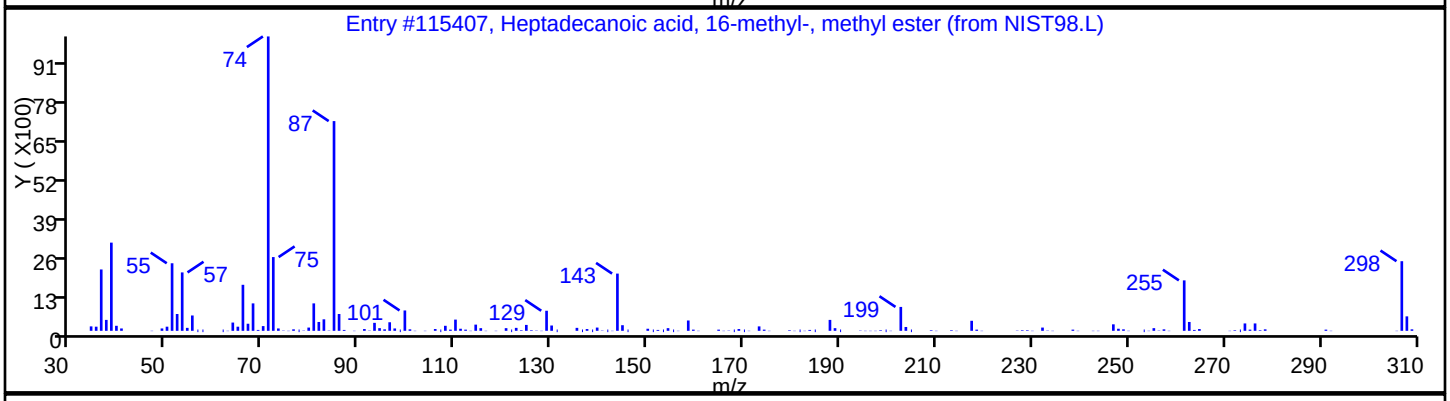
Sample Info: 360-24417-a-15-c

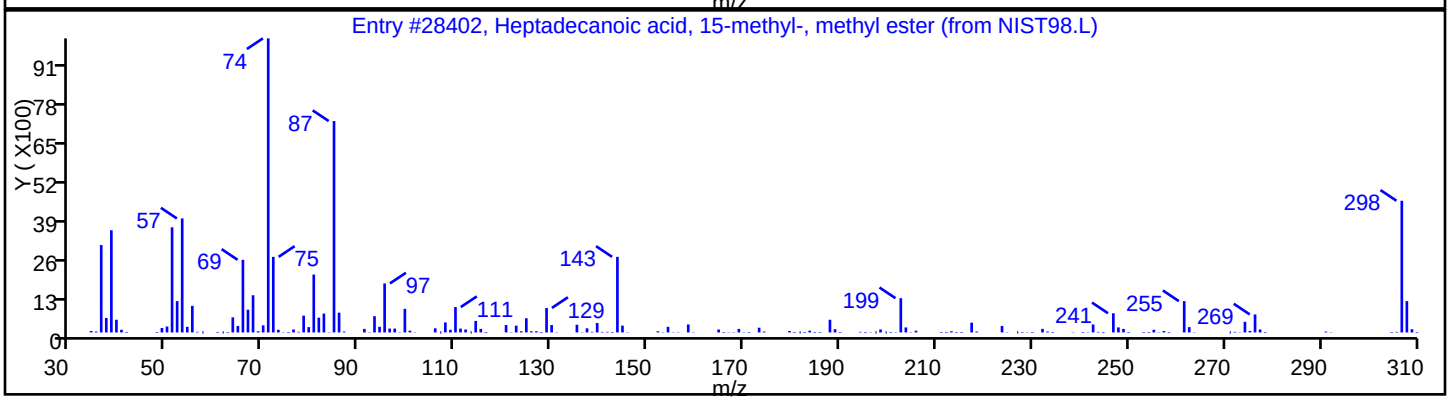
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, methyl ester	112-61-8	NIST98.L	115467	93
Heptadecanoic acid, 16-methyl-, methyl e	5129-61-3	NIST98.L	115407	93
Heptadecanoic acid, 15-methyl-, methyl e	54833-55-5	NIST98.L	28402	80









Report Date: 23-Sep-2009 15:26:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03063.D

Inj Date: 22-Sep-2009 01:45:30 Limit Group: SMS - 8270LL SVOA Calibration

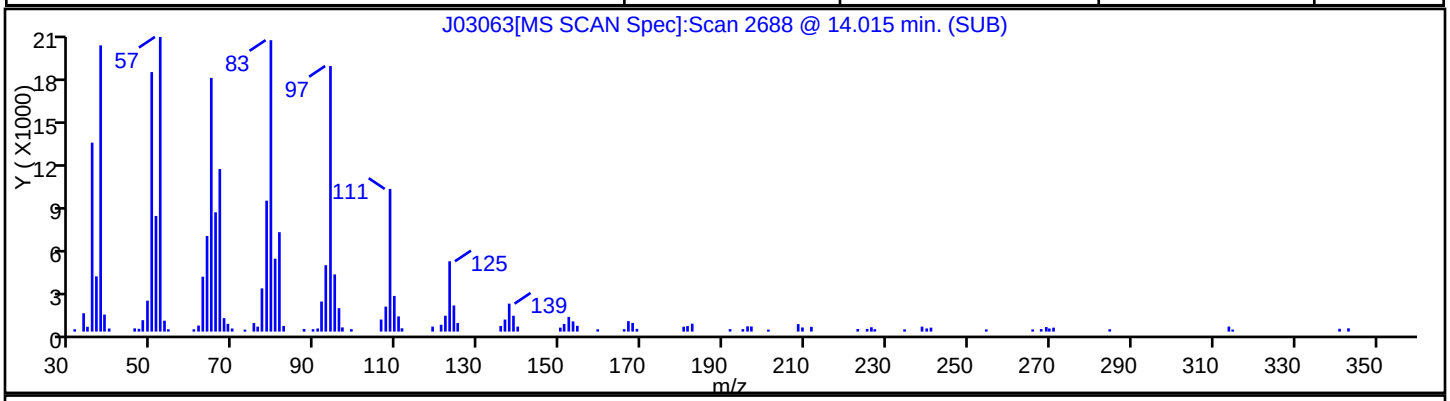
Lims Batch ID: 49260 Lims Sample ID: 25

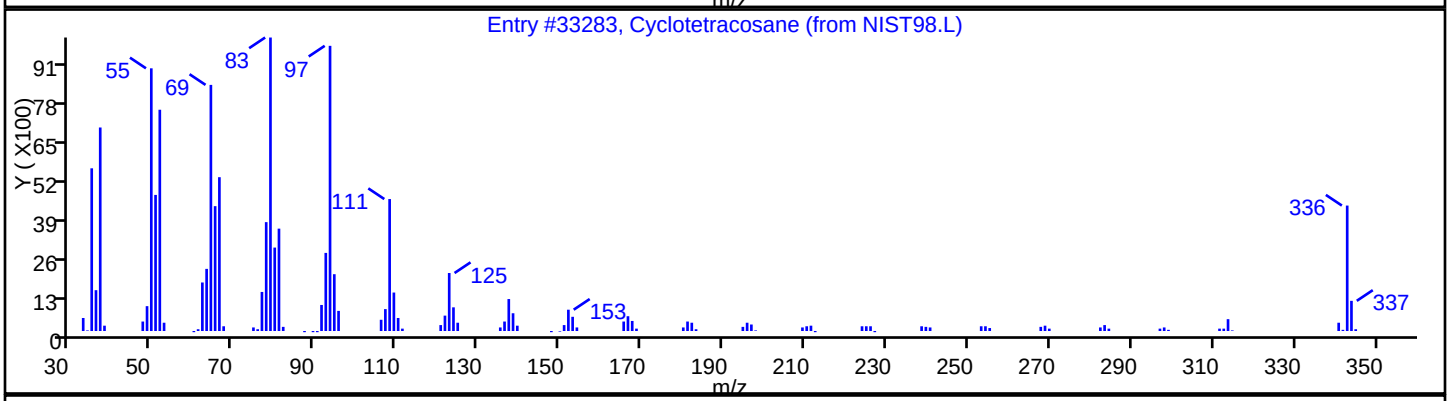
Client ID: OC-SB-471-3.0/5.0-XXX Instrument: Inst. J

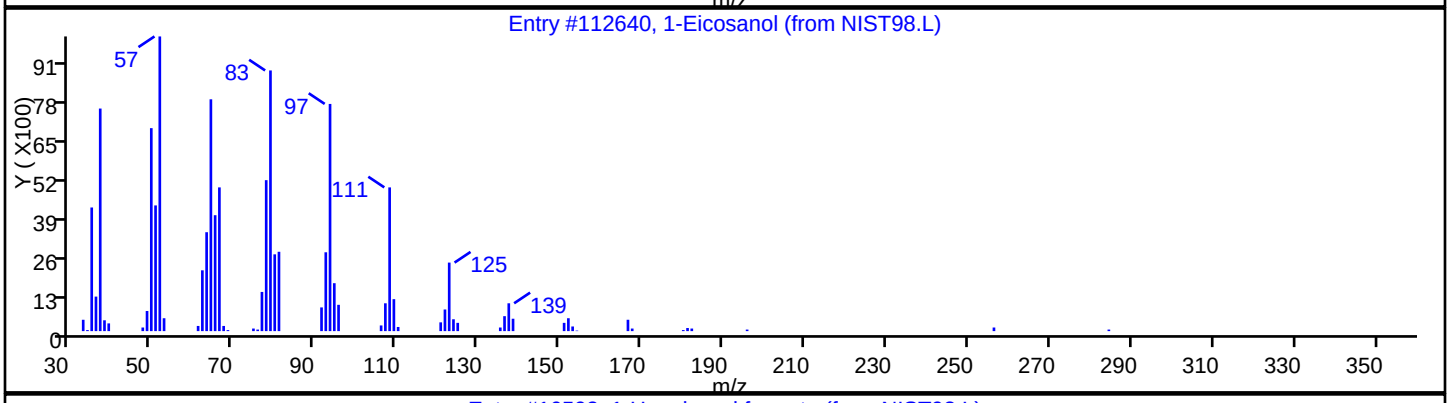
Sample Info: 360-24417-a-15-c

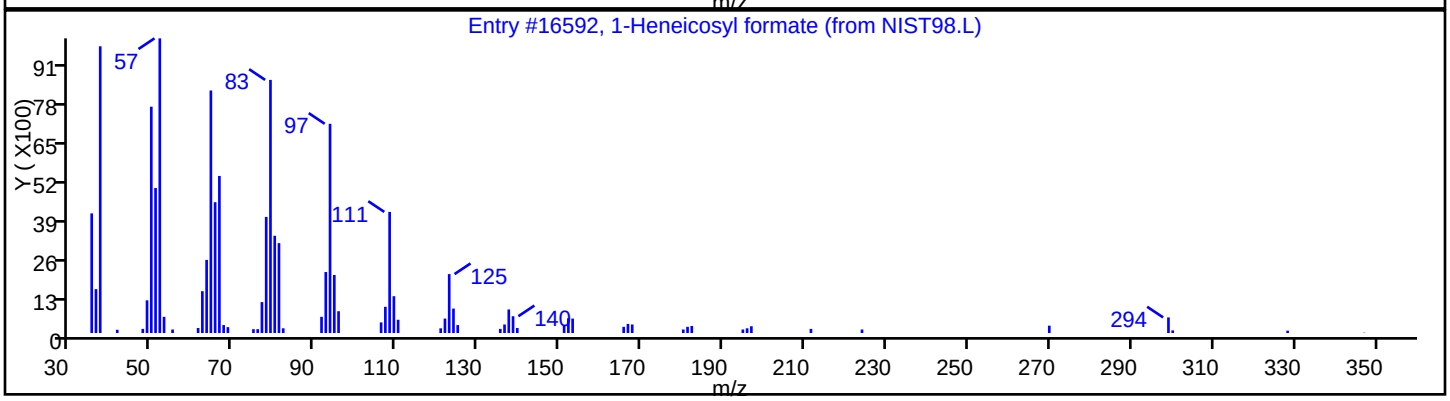
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetracosane	297-3-0	NIST98.L	33283	97
1-Eicosanol	629-96-9	NIST98.L	112640	95
1-Heneicosyl formate	77899-3-7	NIST98.L	16592	94









Report Date: 23-Sep-2009 15:26:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03063.D

Inj Date: 22-Sep-2009 01:45:30 Limit Group: SMS - 8270LL SVOA Calibration

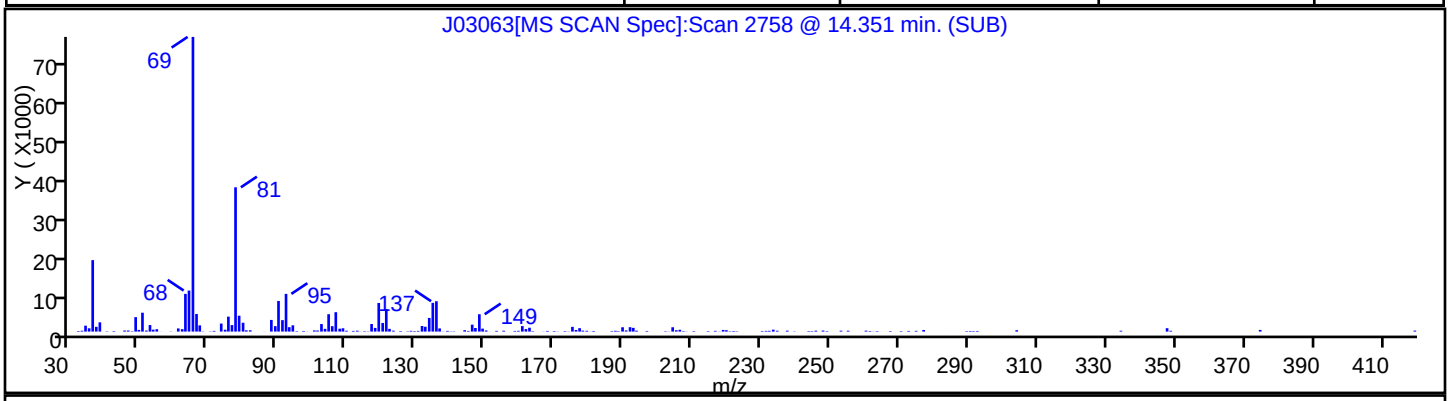
Lims Batch ID: 49260 Lims Sample ID: 25

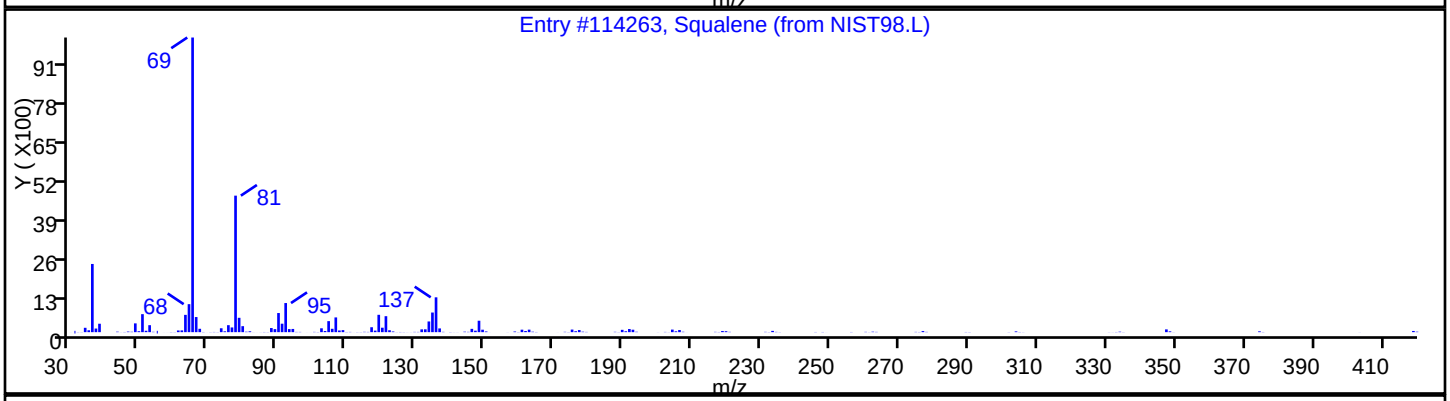
Client ID: OC-SB-471-3.0/5.0-XXX Instrument: Inst. J

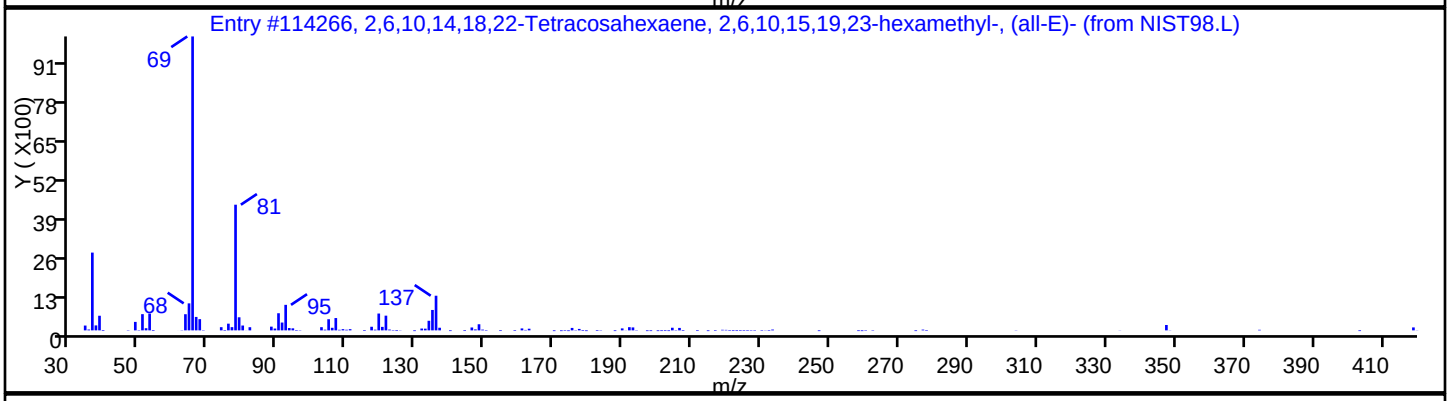
Sample Info: 360-24417-a-15-c

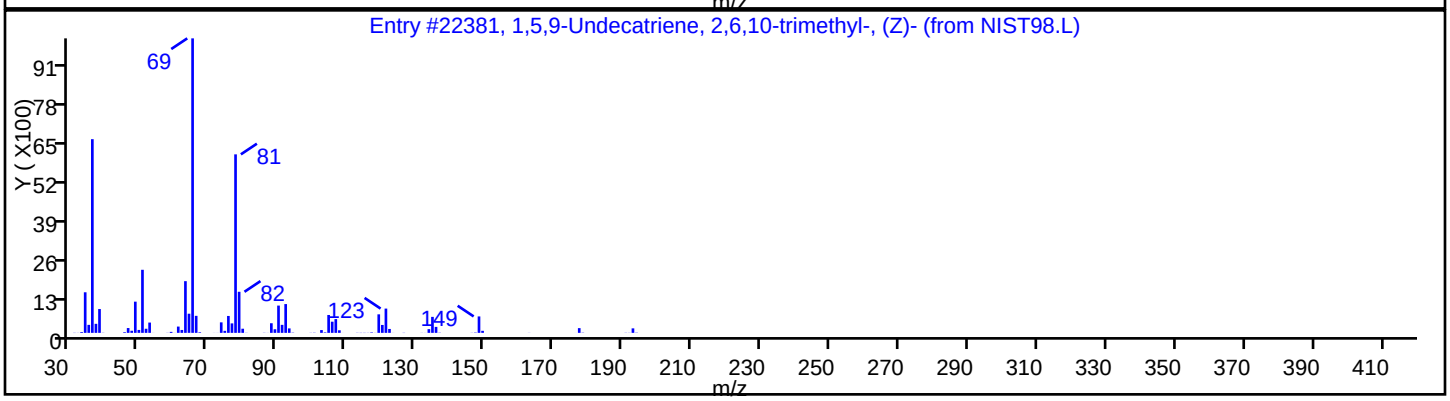
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	98
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	91
1,5,9-Undecatriene, 2,6,10-trimethyl-, (	62951-96-6	NIST98.L	22381	68









Report Date: 23-Sep-2009 15:26:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03063.D

Inj Date: 22-Sep-2009 01:45:30 Limit Group: SMS - 8270LL SVOA Calibration

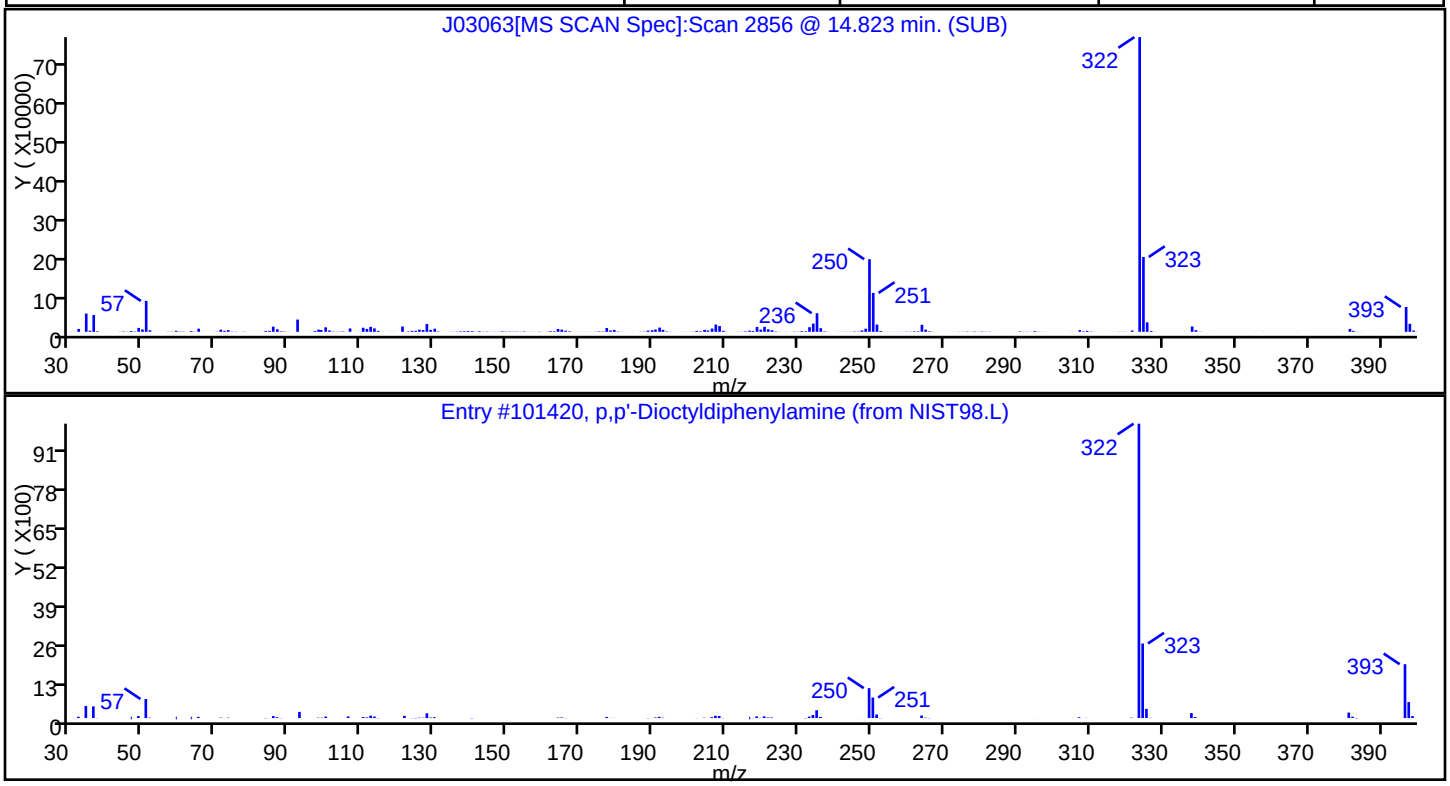
Lims Batch ID: 49260 Lims Sample ID: 25

Client ID: OC-SB-471-3.0/5.0-XXX Instrument: Inst. J

Sample Info: 360-24417-a-15-c

Sample Amount: 1.00 ul Operator:

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



Report Date: 23-Sep-2009 15:26:27 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03063.D

Inj Date: 22-Sep-2009 01:45:30 Limit Group: SMS - 8270LL SVOA Calibration

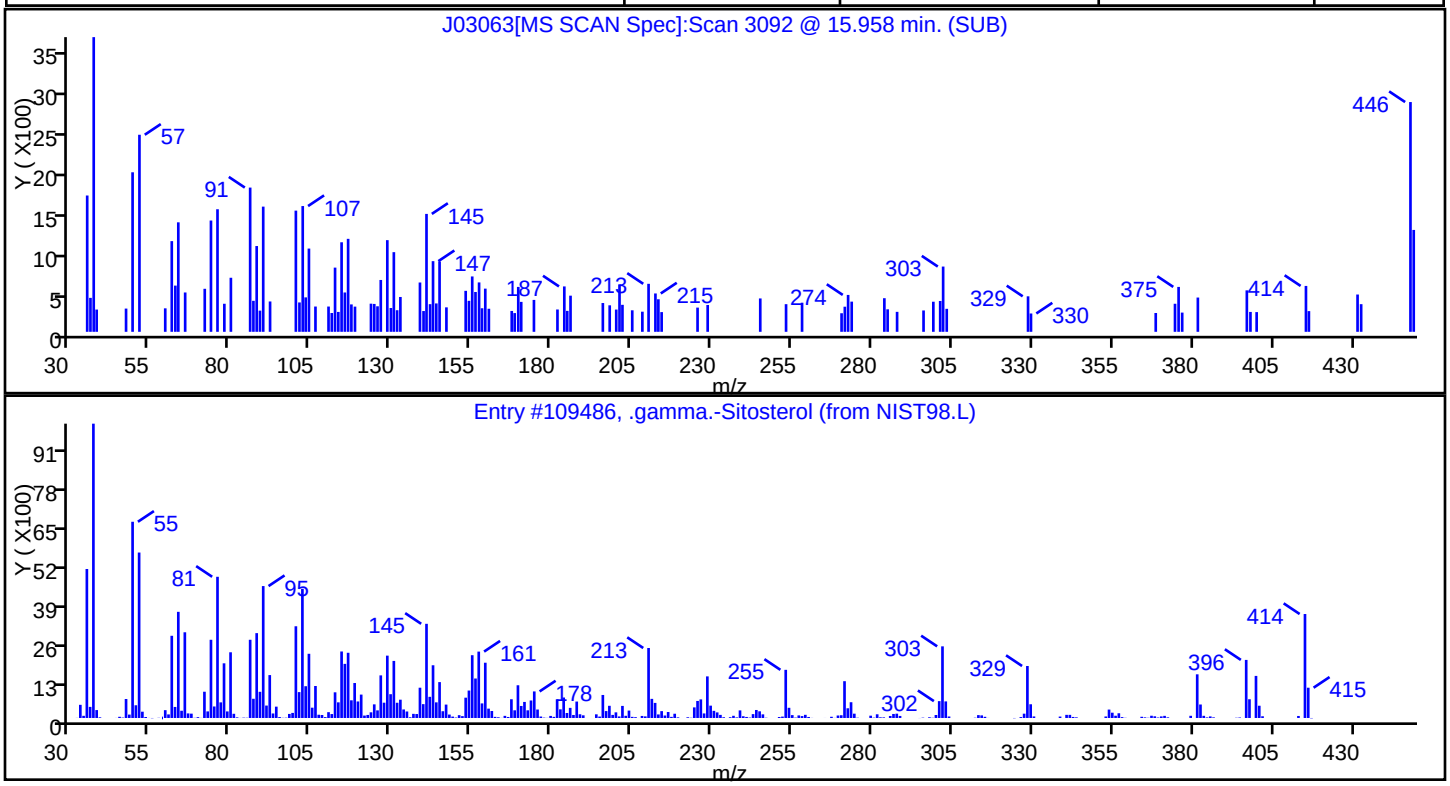
Lims Batch ID: 49260 Lims Sample ID: 25

Client ID: OC-SB-471-3.0/5.0-XXX Instrument: Inst. J

Sample Info: 360-24417-a-15-c

Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
.gamma.-Sitosterol	83-47-6	NIST98.L	109486	94



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-3.0/5.0-XXX | Lab Sample ID: 360-24417-15

Matrix: Solid | Lab File ID: J03111.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 13:30

Extract. Method: 3550B | Date Extracted: 09/15/2009 12:06

Sample wt/vol: 100.69(g) | Date Analyzed: 09/24/2009 04:08

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

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

% Moisture: 18.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49397 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	ND		6.1	1.4

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	79	30-130	
321-60-8	2-Fluorobiphenyl	65	30-130	
367-12-4	2-Fluorophenol	58	30-130	
4165-60-0	Nitrobenzene-d5	59	30-130	
4165-62-2	Phenol-d5	66	30-130	
1718-51-0	Terphenyl-d14	91	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03111.D		
Lims ID:	360-24417-A-15-D	Client ID:	OC-SB-471-3.0/5.0-XXX
Inject. Date:	24-Sep-2009 04:08:30	Dil. Factor:	1.0000
Sample Type:	Client Sample		
Sample ID:	24417-15		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	22
Lims Batch ID:	49397	Lims Sample ID:	23
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 19:13:12	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	25-Sep-2009 19:23:07

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.575	8.575	0.000	75790	2.00	
* 2 Naphthalene-d8	136	9.888	9.888	0.000	181242	2.00	
* 3 Acenaphthene-d10	164	11.686	11.686	0.000	92629	2.00	
* 4 Phenanthrene-d10	188	13.182	13.182	0.000	148788	2.00	
* 5 Chrysene-d12	240	16.009	16.004	0.005	82276	2.00	
* 6 Perylene-d12	264	17.918	17.909	0.009	57578	2.00	
$ 7 2-Fluorophenol	112	7.238	7.233	0.005	137791	5.80	
$ 8 Phenol-d5	99	8.195	8.190	0.005	190873	6.55	
$ 9 Nitrobenzene-d5	82	9.176	9.171	0.005	83299	2.96	
$ 10 2-Fluorobiphenyl	172	10.960	10.960	0.000	199945	3.25	
$ 11 2,4,6-Tribromophenol	330	12.494	12.489	0.005	50315	7.90	
$ 12 Terphenyl-d14	244	14.778	14.778	0.000	156014	4.56	
17 Benzaldehyde	105	8.142	8.142	0.000	3229	0.2011	
18 Phenol	94	8.205	8.205	0.000	8506	0.2735	
19 Aniline	93	8.286	8.277	0.009	1600	0.0443	
22 1,4-Dichlorobenzene	146	8.541	8.536	0.005	657	0.0224	
23 1,3-Dichlorobenzene	146	8.594	8.589	0.005	367	0.0121	
24 Benzyl alcohol	79	8.714	8.709	0.005	2726	0.1355	
25 1,2-Dichlorobenzene	146	8.796	8.791	0.005	373	0.0131	
26 2-Methylphenol	108	8.815	8.815	0.000	288	0.0129	
27 2,2'-oxybis[1-chloropropane]	45	8.868	8.854	0.014	284	0.0114	
28 3 & 4 Methylphenol	108	8.950	8.950	0.000	306	0.0131	
29 N-Nitrosodi-n-propylamine	70	9.041	8.998	0.043	213	0.0126	
30 Acetophenone	105	8.998	8.998	0.000	1599	0.0488	
32 Nitrobenzene	77	9.176	9.190	-0.014	572	0.0200	
35 2,4-Dimethylphenol	107	9.455	9.489	-0.033	306	0.0123	
34 2-Nitrophenol	139	9.623	9.513	0.110	90	0.0887	
36 Benzoic acid	105	9.527	9.565	-0.037	5649	1.99	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
37 Bis(2-chloroethoxy)methane	93	9.710	9.594	0.116	58487	1.89	
39 1,2,4-Trichlorobenzene	180	9.835	9.835	0.000	962	0.0387	
42 4-Chloroaniline	127	9.979	9.960	0.019	363	0.0120	
44 Caprolactam	55	10.268	10.268	0.000	2479	0.4097	
49 1,2,4,5-Tetrachlorobenzene	216	10.797	10.806	-0.009	715	0.0360	
52 1,1'-Biphenyl	154	11.061	11.061	0.000	409	0.006298	7
54 Phenyl ether	170	11.162	11.162	0.000	1052	0.0313	
55 2-Nitroaniline	65	11.225	11.220	0.005	70	0.0852	
56 Dimethyl phthalate	163	11.378	11.378	0.000	784	0.0140	
57 2,6-Dinitrotoluene	165	11.470	11.479	-0.009	427	0.0783	
58 Acenaphthylene	152	11.537	11.537	0.000	1414	0.0189	
59 3-Nitroaniline	138	11.628	11.633	-0.005	130	0.0805	
61 Acenaphthene	153	11.734	11.720	0.014	549	0.0109	
62 4-Nitrophenol	109	11.802	11.748	0.054	132	0.4807	
64 Dibenzofuran	168	11.879	11.874	0.005	1085	0.0157	
63 2,4-Dinitrotoluene	165	11.883	11.878	0.005	55	0.1100	
66 Diethyl phthalate	149	12.071	12.071	0.000	8887	0.1579	
69 Fluorene	166	12.417	12.225	0.192	549	0.0101	
68 4-Nitroaniline	138	12.263	12.263	0.000	182	0.1082	
70 4,6-Dinitro-2-methylphenol	198	12.186	12.287	-0.101	36	0.3843	
71 Diphenylamine	169	12.307	12.306	0.001	596	0.0129	
72 N-Nitrosodiphenylamine	169	12.307	12.306	0.001	596	0.0129	
74 Azobenzene	77	12.379	12.340	0.039	1796	0.0324	
75 4-Bromophenyl phenyl ether	248	12.797	12.677	0.120	274	0.0200	
77 Atrazine	200	12.927	12.821	0.106	45	0.003497	7
80 Phenanthrene	178	13.206	13.206	0.000	3824	0.0498	
81 Anthracene	178	13.273	13.249	0.024	764	0.0111	
83 Carbazole	167	13.413	13.398	0.015	34537	0.5679	
84 Di-n-butyl phthalate	149	13.682	13.682	0.000	221695	2.48	
85 Pyrene	202	14.437	14.437	0.000	8371	0.1581	
87 Fluoranthene	202	14.692	14.692	0.000	8031	0.1127	
89 Butyl benzyl phthalate	149	15.274	15.273	0.001	37014	1.33	
92 Bis(2-ethylhexyl) phthalate	149	15.855	15.851	0.004	2129072	58.3	5
91 3,3'-Dichlorobenzidine	252	15.918	15.923	-0.005	575	0.1135	
93 Benzo[a]anthracene	228	15.990	15.985	0.005	2506	0.0693	
94 Chrysene	228	16.043	16.038	0.005	4413	0.1206	
95 Di-n-octyl phthalate	149	16.538	16.524	0.014	6625	0.5357	
97 Benzo[b]fluoranthene	252	17.524	17.327	0.197	1003	0.0887	
98 Benzo[k]fluoranthene	252	17.524	17.356	0.168	1003	0.1092	
99 Benzo[a]pyrene	252	17.664	17.822	-0.158	172011	6.43	
101 Dibenz(a,h)anthracene	278	19.818	19.823	-0.005	695	0.3146	
100 Indeno[1,2,3-cd]pyrene	276	19.852	19.837	0.015	3063	0.7683	
102 Benzo[g,h,i]perylene	276	20.457	20.433	0.024	2777	0.6747	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount
7 - Failed Limit of Detection

Report Date: 25-Sep-2009 19:23:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03111.D

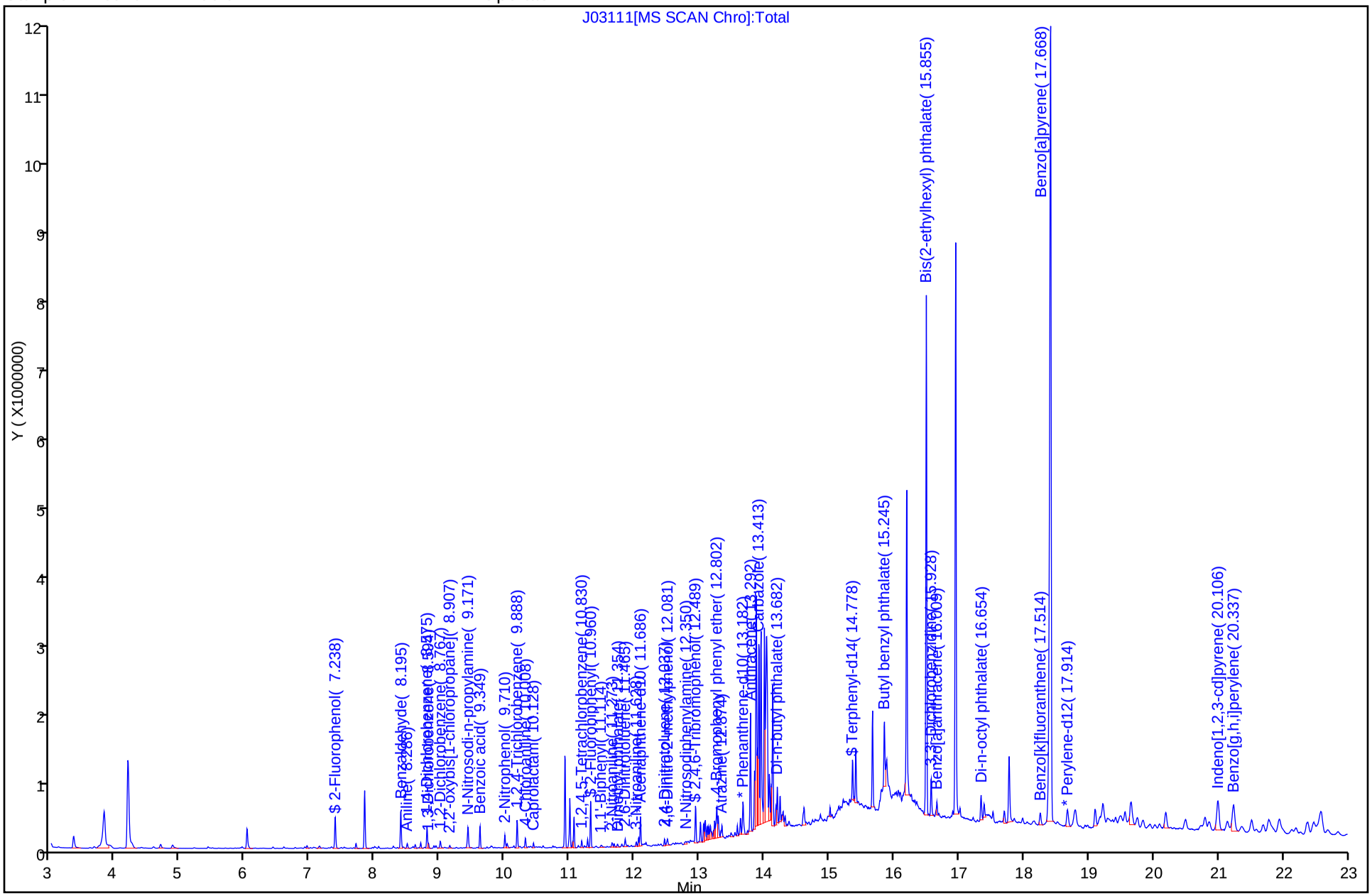
Inj Date: 24-Sep-2009 04:08:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49397 Lims Sample ID: 23

Client ID: OC-SB-471-3.0/5.0-XXX Instrument: Inst. J

Sample Info: 24417-15

Sample Amount: 1.00 ul Operator:



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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49265

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49265/3	B10440.D
Level 2	STD025 360-49265/4	B10441.D
Level 3	STD05 360-49265/5	B10442.D
Level 4	STD1 360-49265/6	B10443.D
Level 5	STD25 360-49265/7	B10444.D
Level 6	STD8 360-49265/8	B10445.D
Level 7	STD10 360-49265/9	B10446.D
Level 8	STD20 360-49265/10	B10447.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 5		B	M1	M2								
1,4-Dioxane	0.5632 0.1690	0.3502 0.1521	0.2641 0.2515	0.2397	0.2284	Qua	0.1356	0.0811	0.0081						0.9930		0.9900
N-Nitrosodimethylamine	0.4235 0.3371	0.3998 0.3042	0.3798 0.5020	0.3919	0.4120	Ave		0.3899				14.0		15.0			
Pyridine	 0.4589	 0.4209	0.3373 +++++	0.4886	0.5095	Ave		0.4470				14.0		15.0			
Benzaldehyde	0.4244 0.3377	0.3852 0.3114	0.3657 +++++	0.3775	0.4051	Ave		0.3700				9.8		15.0			
Phenol	0.7626 0.6277	0.7188 0.5746	0.7041 +++++	0.7103	0.7416	Ave		0.6844				9.5		15.0			
Aniline	0.9541 0.7502	0.8372 0.6801	0.8454 +++++	0.8739	0.9012	Ave		0.8272				11.0		15.0			
Bis(2-chloroethyl)ether	0.6839 0.4951	0.6112 0.4571	0.6107 +++++	0.5949	0.5908	Ave		0.5696				13.0		15.0			
2-Chlorophenol	0.6308 0.5331	0.6300 0.4905	0.6005 +++++	0.6261	0.6352	Ave		0.5876				9.3		15.0			
1,4-Dichlorobenzene	0.8794 0.6396	0.8058 0.5815	0.8278 +++++	0.7662	0.7751	Ave		0.7423				14.0		15.0			
1,3-Dichlorobenzene	0.9472 0.6679	0.8491 0.6060	0.8447 +++++	0.8062	0.8146	Ave		0.7770				15.0		15.0			
Benzyl alcohol	0.3319 0.4472	0.3641 0.4071	0.3899 +++++	0.4412	0.4981	Ave		0.4159				13.0		15.0			
1,2-Dichlorobenzene	0.9246 0.6089	0.7893 0.5537	0.7719 +++++	0.7466	0.7297	Lin1	0.0545	0.5969							0.9920		0.9900
2-Methylphenol	0.5224 0.4948	0.5571 0.4407	0.5465 +++++	0.5561	0.5701	Ave		0.5233				8.3		15.0			
2,2'-oxybis[1-chloropropane]	1.2150 0.8755	1.1661 0.7961	1.1358 +++++	1.1002	1.0960	Ave		1.0382				15.0		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.: 360-24417-1 Analy Batch No.: 49265

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

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 5		B	M1	M2								
3 & 4 Methylphenol	0.5925 0.5081	0.5932 0.4630	0.5545 +++++	0.5642	0.5906	Ave		0.5479				8.7		15.0			
N-Nitrosodi-n-propylamine	0.3790 0.3834	0.3947 0.3430	0.3926 +++++	0.4049	0.4288	Ave		0.3882			0.0500	6.3		15.0			
Acetophenone	0.8385 0.7077	0.8215 0.6428	0.8108 +++++	0.8197	0.8272	Ave		0.7737				9.4		15.0			
Hexachloroethane	0.2850 0.2338	0.2779 0.2143	0.2722 +++++	0.2758	0.2798	Ave		0.2599				10.0		15.0			
Nitrobenzene	0.2542 0.2251	0.2721 0.2043	0.2717 +++++	0.2815	0.2840	Ave		0.2532				12.0		15.0			
Isophorone	0.4298 0.3802	0.3978 0.3482	0.4143 +++++	0.4297	0.4626	Ave		0.4071				8.6		15.0			
2,4-Dimethylphenol	0.2471 0.2182	0.2401 0.1961	0.2508 +++++	0.2434	0.2578	Ave		0.2349				8.7		15.0			
2-Nitrophenol	0.1125 0.1248	0.1133 0.1124	0.1254 0.0844	0.1327	0.1411	Ave		0.1189				14.0		15.0			
Benzoic acid	 0.0761	 0.0752	 0.0826	0.0049	0.0234	Lin1	-0.103	0.0859							0.9910		0.9900
Bis(2-chloroethoxy)methane	0.2998 0.2189	0.2696 0.1981	0.2854 +++++	0.2779	0.2711	Ave		0.2557				14.0		15.0			
2,4-Dichlorophenol	0.2140 0.1729	0.1914 0.1554	0.1987 +++++	0.2027	0.2083	Ave		0.1897				11.0		15.0			
1,2,4-Trichlorobenzene	0.2785 0.1950	0.2635 0.1795	0.2639 0.1301	0.2553	0.2454	Qua	0.0210	0.2294	-0.005						0.9990		0.9900
Alpha-Terpineol	0.2300 0.1927	0.2121 0.1747	0.2092 +++++	0.2239	0.2304	Ave		0.2088				9.4		15.0			
Naphthalene	0.9366 0.6433	0.9079 0.5875	0.8870 +++++	0.8526	0.8258	Lin	0.2259	0.5945							0.9910		0.9900
4-Chloroaniline	0.3533 0.2701	0.3437 0.2487	0.3219 +++++	0.3465	0.3316	Ave		0.3123				13.0		15.0			
Hexachlorobutadiene	0.1419 0.1022	0.1319 0.0935	0.1300 +++++	0.1265	0.1233	Ave		0.1190				15.0		15.0			
Caprolactam	0.0711 0.0907	0.0733 0.0826	0.0707 +++++	0.0866	0.1033	Ave		0.0840				14.0		15.0			
4-Chloro-3-methylphenol	0.1679 0.1761	0.1884 0.1619	0.1860 0.1213	0.2023	0.2090	Ave		0.1771				15.0		15.0			
2-Methylnaphthalene	0.5643 0.4365	0.5552 0.3936	0.5723 +++++	0.5571	0.5415	Ave		0.5075				14.0		15.0			
1-Methylnaphthalene	0.5813 0.4241	0.5446 0.3850	0.5345 +++++	0.5364	0.5285	Ave		0.4957				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.: 360-24417-1 Analy Batch No.: 49265

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

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 5		B	M1	M2								
Hexachlorocyclopentadiene	0.1314 0.2553	0.1478 0.2304	0.1408 0.2574	0.1839	0.2113	Lin1	-0.024	0.2442			0.0500				0.9920		0.9900
1,2,4,5-Tetrachlorobenzene	0.2311 0.1739	0.2257 0.1579	0.2219 +++++	0.2175	0.2108	Ave		0.2010				14.0		15.0			
2,4,6-Trichlorophenol	0.2205 0.3505	0.2328 0.3315	0.2582 0.3571	0.2842	0.3214	Lin1	-0.025	0.3431							0.9960		0.9900
2,4,5-Trichlorophenol	0.2407 0.3725	0.2631 0.3493	0.2673 0.3730	0.2975	0.3323	Lin1	-0.024	0.3593							0.9950		0.9900
1,1'-Biphenyl	1.4348 1.4847	1.4372 1.4049	1.3739 1.3570	1.3903	1.4531	Ave		1.4029				4.2		15.0			
2-Chloronaphthalene	1.2943 1.4292	1.2132 1.3386	1.2390 1.3984	1.2607	1.3999	Ave		1.3061				6.9		15.0			
Phenyl ether	0.3840 0.2797	0.3535 0.2543	0.3515 +++++	0.3548	0.3344	Ave		0.3231				15.0		15.0			
4-Nitroaniline	0.2461 0.4075	0.2422 0.3847	0.2547 0.4125	0.3031	0.3661	Lin1	-0.034	0.3973							0.9960		0.9900
Dimethyl phthalate	1.1880 1.3471	1.1499 1.2790	1.2024 1.2833	1.2302	1.3067	Ave		1.2387				5.5		15.0			
2,6-Dinitrotoluene	0.2271 0.3203	0.2313 0.2980	0.2450 0.3201	0.2698	0.2995	Ave		0.2754				13.0		15.0			
Acenaphthylene	1.4548 1.8704	1.5410 1.7730	1.6344 1.6614	1.6752	1.7954	Ave		1.6695				7.7		15.0			
3-Nitroaniline	0.1953 0.3152	0.2070 0.2960	0.2300 0.3193	0.2533	0.2808	Lin1	-0.022	0.3065							0.9960		0.9900
2,4-Dinitrophenol	 0.1103	 0.1024	 0.1348	0.0326	0.0543	Qua	-0.087	0.0911	0.0024		0.0500				0.9970		0.9900
Acenaphthene	1.1334 1.2850	1.1432 1.2274	1.1211 1.2156	1.1392	1.2085	Ave		1.1743				5.3		15.0			
4-Nitrophenol	 0.1883	 0.1816	0.0672 0.2005	0.0832	0.1419	Lin1	-0.093	0.1955			0.0500				0.9930		0.9900
2,4-Dinitrotoluene	0.2019 0.4068	0.2443 0.3904	0.2469 0.4271	0.2999	0.3633	Lin1	-0.041	0.4044							0.9930		0.9900
Dibenzofuran	1.6210 1.6507	1.4686 1.5502	1.4667 1.4834	1.5039	1.5948	Ave		1.5279				5.3		15.0			
2,3,4,6-Tetrachlorophenol	0.1227 0.2772	0.1471 0.2485	0.1653 0.2812	0.1949	0.2306	Lin1	-0.028	0.2658							0.9920		0.9900
Diethyl phthalate	1.2465 1.3832	1.2019 1.3129	1.2190 1.2974	1.2178	1.3043	Ave		1.2630				5.2		15.0			
4-Chlorophenyl phenyl ether	0.5288 0.6194	0.5361 0.5912	0.5604 0.6226	0.5438	0.5791	Ave		0.5664				6.9		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49265

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

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 5		B	M1	M2								
2-Nitroaniline	0.1738 0.3709	0.1935 0.3467	0.2129 0.3809	0.2532	0.3163	Lin1	-0.040	0.3608							0.9920		0.9900
Fluorene	1.1759 1.4449	1.2234 1.3897	1.2048 1.3494	1.2358	1.3418	Ave		1.2847				7.6		15.0			
4,6-Dinitro-2-methylphenol	 0.1118	 0.1025	0.0197 0.1235	0.0409	0.0682	Lin	-0.135	0.1268							0.9920		0.9900
Diphenylamine	0.5894 0.7202	0.5956 0.6857	0.6288 0.6921	0.6281	0.6975	Ave		0.6519				7.3		15.0			
N-Nitrosodiphenylamine	0.5894 0.7202	0.5956 0.6857	0.6288 0.6921	0.6281	0.6975	Ave		0.6519				7.3		15.0			
1,2-Diphenylhydrazine	1.0410 1.3231	1.0545 1.2773	1.1078 1.2322	1.1683	1.3247	Ave		1.1897				9.1		15.0			
Azobenzene	1.0410 1.3231	1.0545 1.2773	1.1078 1.2322	1.1683	1.3247	Ave		1.1897				9.1		15.0			
Benzophenone	0.5588 0.8333	0.6200 0.7902	0.6627 0.8060	0.6888	0.7687	Ave		0.7148				13.0		15.0			
4-Bromophenyl phenyl ether	0.1936 0.1961	0.1758 0.1859	0.1737 0.1983	0.1777	0.1832	Ave		0.1833				6.1		15.0			
Atrazine	0.1548 0.2257	0.1532 0.2171	0.1628 0.2248	0.1818	0.2119	Lin1	-0.014	0.2201							0.9980		0.9900
Hexachlorobenzene	0.1769 0.1866	0.1723 0.1778	0.1696 0.1944	0.1696	0.1839	Ave		0.1770				5.6		15.0			
Pentachlorophenol	 0.0993	 0.0928	0.0239 0.1162	0.0333	0.0639	Lin	-0.135	0.1187							0.9900		0.9900
Pentachloronitrobenzene	0.0594 0.0881	0.0564 0.0842	0.0615 0.0945	0.0677	0.0798	Lin1	-0.007	0.0885							0.9930		0.9900
Phenanthrene	1.0925 1.0945	1.0418 1.0397	1.0233 0.9766	1.0132	1.0804	Ave		1.0356				4.7		15.0			
Anthracene	0.8971 1.0823	0.9253 1.0299	0.8934 0.9695	0.9314	1.0379	Ave		0.9691				6.9		15.0			
Carbazole	0.7928 0.8880	0.7731 0.8327	0.7640 0.8503	0.8035	0.8880	Ave		0.8190				5.9		15.0			
Di-n-butyl phthalate	1.5023 1.2753	1.2227 1.2045	1.1460 1.0845	1.1369	1.2526	Ave		1.2206				10.0		15.0			
Fluoranthene	0.8366 0.9905	0.8205 0.9462	0.8335 0.9750	0.8404	0.9507	Ave		0.8954				7.7		15.0			
Benzidine	0.0824 0.2110	0.0595 0.2271	0.0748 0.3232	0.1096	0.1621	Qua	-0.024	0.1268	0.0099						0.9990		0.9900
Pyrene	1.9104 1.6259	1.6042 1.5345	1.6702 1.4458	1.6371	1.6962	Ave		1.6239				8.4		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49265

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

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 5		B	M1	M2								
Butyl benzyl phthalate	0.6080 0.7656	0.5526 0.7241	0.5705 0.7262	0.6548	0.7443	Ave		0.6741				12.0		15.0			
Bis(2-ethylhexyl) phthalate	0.9100 1.0128	0.6321 0.9515	0.6138 0.9893	0.7854	0.9125	Lin1	-0.058	0.9781							0.9970		0.9900
3,3'-Dichlorobenzidine	0.1685 0.3131	0.1705 0.2928	0.1685 0.3221	0.2095	0.2707	Lin1	-0.032	0.3068							0.9940		0.9900
Benzo[a]anthracene	0.8294 0.9726	0.7926 0.9187	0.8153 0.9421	0.8714	0.9479	Ave		0.8840				7.3		15.0			
Chrysene	0.8784 0.9147	0.8611 0.8645	0.8677 0.8829	0.8150	0.8983	Ave		0.8662				3.9		15.0			
Di-n-octyl phthalate	1.4141 2.4584	1.2167 2.3061	1.2312 2.5639	1.7954	2.2598	Lin1	-0.255	2.4689							0.9960		0.9900
Benzo[b]fluoranthene	1.2866 1.2868	1.0946 1.2316	1.1872 1.3598	1.2150	1.2779	Ave		1.2323				6.5		15.0			
Benzo[k]fluoranthene	1.1599 1.2000	1.0172 1.1579	1.0124 1.2707	1.0893	1.2031	Ave		1.1300				8.0		15.0			
Benzo[a]pyrene	0.7993 0.9660	0.6909 0.9324	0.6981 1.0222	0.7484	0.8750	Ave		0.8404				14.0		15.0			
Indeno[1,2,3-cd]pyrene	0.8355 0.7370	0.5416 0.7463	0.5366 0.7596	0.6115	0.6632	Ave		0.6740				15.0		15.0			
Dibenz(a,h)anthracene	0.6812 0.6071	0.5045 0.6116	0.4240 0.6275	0.4969	0.5307	Ave		0.5548				15.0		15.0			
Benzo[g,h,i]perylene	0.8820 0.5986	0.5901 0.5877	0.4867 0.5977	0.5418	0.5698	Lin1	0.0072	0.5820							0.9970		0.9900
2-Fluorophenol	0.5834 0.4929	0.5278 0.4593	0.5835 0.7384	0.5876	0.5971	Ave		0.5631				15.0		15.0			
Phenol-d5	0.6305 0.6141	0.6917 0.5638	0.6636 +++++	0.6769	0.7305	Ave		0.6480				8.2		15.0			
Nitrobenzene-d5	0.2865 0.2272	0.2685 0.2076	0.2626 +++++	0.2743	0.2878	Ave		0.2563				11.0		15.0			
2-Fluorobiphenyl	1.3950 1.4159	1.2662 1.3330	1.3161 1.3007	1.2857	1.3764	Ave		1.3215				5.1		15.0			
2,4,6-Tribromophenol	0.0522 0.0749	0.0422 0.0707	0.0434 0.0785	0.0509	0.0679	Lin1	-0.007	0.0740							0.9920		0.9900
Terphenyl-d14	1.0735 0.9788	0.8915 0.9158	0.9892 0.8971	0.9685	0.9865	Ave		0.9523				6.7		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.: 360-24417-1 Analy Batch No.: 49265

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49265/3	B10440.D
Level 2	STD025 360-49265/4	B10441.D
Level 3	STD05 360-49265/5	B10442.D
Level 4	STD1 360-49265/6	B10443.D
Level 5	STD25 360-49265/7	B10444.D
Level 6	STD8 360-49265/8	B10445.D
Level 7	STD10 360-49265/9	B10446.D
Level 8	STD20 360-49265/10	B10447.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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Qua	9528 438599	16660 425323	22101 764598	49845	125233	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
N-Nitrosodimethylamine	DCB	Ave	7166 874922	19024 850967	31778 1525979	81505	225921	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Pyridine	DCB	Ave	 1191266	 1177405	28229 +++++	101595	279336	 8.00	 10.0	0.500 +++++	1.00	2.50
Benzaldehyde	DCB	Ave	7180 876528	18326 871122	30601 +++++	78497	222117	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Phenol	DCB	Ave	12902 1629249	34199 1607327	58916 +++++	147702	406650	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Aniline	DCB	Ave	16142 1947218	39834 1902246	70739 +++++	181728	494145	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Bis(2-chloroethyl)ether	DCB	Ave	11571 1285249	29080 1278568	51100 +++++	123714	323929	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2-Chlorophenol	DCB	Ave	10673 1383900	29976 1372113	50248 +++++	130202	348265	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1,4-Dichlorobenzene	DCB	Ave	14879 1660157	38339 1626464	69270 +++++	159335	424989	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1,3-Dichlorobenzene	DCB	Ave	16026 1733752	40400 1694960	70687 +++++	167645	446662	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Benzyl alcohol	DCB	Ave	5616 1160893	17322 1138644	32624 +++++	91741	273115	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1,2-Dichlorobenzene	DCB	Lin1	15643 1580661	37555 1548790	64589 +++++	155260	400103	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2-Methylphenol	DCB	Ave	8839 1284317	26504 1232717	45729 +++++	115632	312564	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2,2'-oxybis[1-chloropropane]	DCB	Ave	20556 2272687	55482 2226706	95039 +++++	228793	600944	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
3 & 4 Methylphenol	DCB	Ave	10024 1319022	28223 1295161	46398 +++++	117322	323829	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49265

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	6412 995155	18777 959407	32851 +++++	84194	235132	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Acetophenone	DCB	Ave	14186 1837007	39085 1798087	67848 +++++	170449	453571	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Hexachloroethane	DCB	Ave	4822 606803	13222 599438	22775 +++++	57356	153424	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Nitrobenzene	NPT	Ave	10383 1489968	31325 1456311	53954 +++++	139739	380927	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Isophorone	NPT	Ave	17553 2516384	45790 2482165	82265 +++++	213268	620481	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2,4-Dimethylphenol	NPT	Ave	10094 1444088	27641 1398281	49804 +++++	120821	345816	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2-Nitrophenol	NPT	Ave	4595 825782	13042 801499	24889 1547647	65849	189214	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzoic acid	NPT	Lin1	 503862	 535980	 1514189	2416	31413	 8.00	 10.0	 20.0	1.00	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	12243 1448985	31032 1411977	56672 +++++	137958	363599	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2,4-Dichlorophenol	NPT	Ave	8740 1144036	22031 1107747	39448 +++++	100590	279438	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1,2,4-Trichlorobenzene	NPT	Qua	11373 1290408	30337 1279849	52390 2386399	126724	329203	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Alpha-Terpineol	NPT	Ave	9392 1275530	24414 1245422	41538 +++++	111115	308980	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Naphthalene	NPT	Lin	38255 4257495	104521 4187994	176114 +++++	423173	1107574	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
4-Chloroaniline	NPT	Ave	14431 1787557	39569 1772669	63918 +++++	171999	444797	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Hexachlorobutadiene	NPT	Ave	5795 676247	15183 666695	25820 +++++	62784	165419	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Caprolactam	NPT	Ave	2905 600505	8442 589047	14031 +++++	42965	138603	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
4-Chloro-3-methylphenol	NPT	Ave	6858 1165703	21688 1154212	36934 2225390	100405	280295	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2-Methylnaphthalene	NPT	Ave	23047 2889065	63911 2805691	113623 +++++	276524	726241	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
1-Methylnaphthalene	NPT	Ave	23741 2807107	62699 2744671	106129 +++++	266253	708838	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Hexachlorocyclopentadiene	ANT	Lin1	2631 564907	8330 530563	13184 1064701	42415	122303	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
1,2,4,5-Tetrachlorobenzene	NPT	Ave	9440 1150930	25985 1125416	44063 +++++	107954	282712	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49265

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,6-Trichlorophenol	ANT	Lin1	4414 775509	13120 763205	24181 1476881	65530	185998	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,4,5-Trichlorophenol	ANT	Lin1	4819 824170	14826 804256	25029 1542511	68597	192322	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
1,1'-Biphenyl	ANT	Ave	28727 3284802	80985 3234972	128651 5612516	320583	841035	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2-Chloronaphthalene	ANT	Ave	25913 3161868	68361 3082209	116016 5783703	290694	810231	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Phenyl ether	NPT	Ave	15683 1850896	40692 1812701	69782 +++++	176095	448465	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
4-Nitroaniline	ANT	Lin1	4927 901512	13647 885807	23847 1705952	69885	211909	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Dimethyl phthalate	ANT	Ave	23785 2980269	64796 2944939	112596 5307566	283661	756300	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,6-Dinitrotoluene	ANT	Ave	4547 708661	13034 686277	22938 1324010	62203	173343	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Acenaphthylene	ANT	Ave	29126 4138038	86836 4082534	153049 6871356	386275	1039146	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
3-Nitroaniline	ANT	Lin1	3910 697260	11663 681595	21539 1320454	58410	162524	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,4-Dinitrophenol	ANT	Qua	 243919	 235679	 557344	7510	31399	 8.00	 10.0	 20.0	1.00	2.50
Acenaphthene	ANT	Ave	22691 2842915	64419 2826177	104977 5027591	262691	699440	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
4-Nitrophenol	ANT	Lin1	 416505	 418066	6288 829374	19187	82110	 8.00	 10.0	0.500 20.0	1.00	2.50
2,4-Dinitrotoluene	ANT	Lin1	4043 899942	13764 898979	23120 1766420	69164	210274	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Dibenzofuran	ANT	Ave	32455 3652050	82751 3569484	137345 6135105	346792	923029	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,3,4,6-Tetrachlorophenol	ANT	Lin1	2457 613295	8287 572237	15479 1163050	44953	133477	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Diethyl phthalate	ANT	Ave	24956 3060104	67725 3023115	114149 5365704	280823	754868	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
4-Chlorophenyl phenyl ether	ANT	Ave	10587 1370313	30207 1361202	52477 2575079	125395	335166	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2-Nitroaniline	ANT	Lin1	3480 820484	10902 798264	19933 1575216	58386	183077	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Fluorene	ANT	Ave	23542 3196669	68939 3199989	112818 5580689	284973	776596	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
4,6-Dinitro-2-methylphenol	PHN	Lin	 411300	 391249	2936 850981	15341	63627	 8.00	 10.0	0.500 20.0	1.00	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49265

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Diphenylamine	PHN	Ave	18611 2648570	54149 2617004	93721 4767796	235860	650673	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
N-Nitrosodiphenylamine	PHN	Ave	18611 2648570	54149 2617004	93721 4767796	235860	650673	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
1,2-Diphenylhydrazine	PHN	Ave	32868 4865630	95862 4874816	165113 8488649	438723	1235674	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Azobenzene	PHN	Ave	32868 4865630	95862 4874816	165113 8488649	438723	1235674	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzophenone	PHN	Ave	17644 3064364	56366 3015672	98764 5552812	258663	717087	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
4-Bromophenyl phenyl ether	PHN	Ave	6113 721205	15981 709386	25890 1366417	66727	170922	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Atrazine	PHN	Lin1	4887 829953	13925 828421	24268 1548685	68273	197619	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Hexachlorobenzene	PHN	Ave	5584 686133	15660 678656	25276 1339489	63674	171497	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Pentachlorophenol	PHN	Lin	 365216	 354187	3566 800299	12490	59605	 8.00	 10.0	0.500 20.0	1.00	2.50
Pentachloronitrobenzene	PHN	Lin1	1877 324082	5127 321191	9167 651097	25435	74453	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Phenanthrene	PHN	Ave	34493 4025006	94703 3967800	152519 6727870	380489	1007808	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Anthracene	PHN	Ave	28324 3980127	84119 3930513	133154 6678787	349778	968171	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Carbazole	PHN	Ave	25032 3265563	70279 3177795	113874 5857930	301750	828357	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Di-n-butyl phthalate	PHN	Ave	47435 4690003	111150 4596634	170809 7471416	426926	1168450	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Fluoranthene	PHN	Ave	26416 3642430	74587 3611156	124230 6716971	315577	886788	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzidine	PHN	Qua	2603 775957	5408 866566	11149 2226293	41144	151233	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Pyrene	CRY	Ave	27702 3803173	80094 3747940	127315 7183007	329384	921425	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Butyl benzyl phthalate	CRY	Ave	8817 1790833	27592 1768565	43492 3608107	131754	404324	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Bis(2-ethylhexyl) phthalate	CRY	Lin1	13196 2369029	31562 2324115	46793 4914932	158020	495696	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	2443 732423	8512 715117	12846 1600028	42142	147042	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[a]anthracene	CRY	Ave	12027 2275030	39575 2244007	62150 4680598	175319	514948	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49265

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:24 Calibration End Date: 09/21/2009 19:31 Calibration ID: 4669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chrysene	CRY	Ave	12738 2139586	42993 2111431	66141 4386350	163980	488001	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Di-n-octyl phthalate	PRY	Lin1	10548 3240103	35078 3172594	48497 6664822	193411	670593	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[b]fluoranthene	PRY	Ave	9597 1695958	31557 1694446	46761 3534752	130891	379206	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[k]fluoranthene	PRY	Ave	8652 1581623	29326 1592945	39879 3303168	117343	356999	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[a]pyrene	PRY	Ave	5962 1273232	19919 1282761	27498 2657127	80622	259661	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	6232 971352	15614 1026776	21136 1974687	65872	196799	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Dibenz(a,h)anthracene	PRY	Ave	5081 800166	14544 841357	16700 1631243	53534	157490	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Benzo[g,h,i]perylene	PRY	Lin1	6579 789006	17014 808560	19170 1553628	58369	169094	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2-Fluorophenol	DCB	Ave	9870 1279557	25114 1284616	48827 2244693	122192	327381	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Phenol-d5	DCB	Ave	10667 1594020	32911 1576994	55531 +++++	140770	400524	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
Nitrobenzene-d5	NPT	Ave	11701 1503929	30908 1480163	52136 +++++	136156	385960	0.100 8.00	0.250 10.0	0.500 +++++	1.00	2.50
2-Fluorobiphenyl	ANT	Ave	27929 3132573	71350 3069374	123243 5379312	296470	796621	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
2,4,6-Tribromophenol	PHN	Lin1	1649 275350	3838 269932	6467 541127	19113	63345	0.100 8.00	0.250 10.0	0.500 20.0	1.00	2.50
Terphenyl-d14	CRY	Ave	15566 2289546	44513 2236869	75406 4457120	194867	535886	0.100 8.00	0.250 10.0	0.500 20.0	1.00	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\20090922-1.b\B10440.D		
Lims ID:	std01	Client ID:	
Inject. Date:	21-Sep-2009 15:55:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	std01		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49265	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:40:56	Calib Date:	21-Sep-2009 15:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:24:14
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:40:56

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.903	-0.001	338381	2.00	
* 2 Naphthalene-d8	136	9.032	9.033	-0.001	816855	2.00	
* 3 Acenaphthene-d10	164	10.532	10.533	-0.001	400421	2.00	
* 4 Phenanthrene-d10	188	11.802	11.803	-0.001	631479	2.00	
* 5 Chrysene-d12	240	15.399	15.400	-0.001	290016	2.00	
* 6 Perylene-d12	264	17.837	17.842	-0.005	149183	2.00	
$ 7 2-Fluorophenol	112	6.632	6.633	-0.001	9870	0.1079	
$ 8 Phenol-d5	99	7.517	7.523	-0.006	10667	0.1014	
$ 9 Nitrobenzene-d5	82	8.392	8.393	-0.001	11701	0.1097	
$ 10 2-Fluorobiphenyl	172	9.926	9.927	-0.001	27929	0.1073	
$ 11 2,4,6-Tribromophenol	330	11.201	11.202	-0.001	1649	0.0918	
$ 12 Terphenyl-d14	244	13.427	13.428	-0.001	15566	0.1105	
14 1,4-Dioxane	88	4.348	4.349	-0.001	9528	0.1000	
15 N-Nitrosodimethylamine	42	4.935	4.926	0.009	7166	0.1083	
17 Benzaldehyde	105	7.507	7.504	0.003	7180	0.1092	
18 Phenol	94	7.531	7.537	-0.006	12902	0.1091	
19 Aniline	93	7.594	7.595	-0.001	16142	0.1103	
20 Bis(2-chloroethyl)ether	93	7.637	7.633	0.004	11571	0.1000	
21 2-Chlorophenol	128	7.709	7.710	-0.001	10673	0.1064	
22 1,4-Dichlorobenzene	146	7.854	7.850	0.004	14879	0.1000	
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	16026	0.1000	
24 Benzyl alcohol	79	8.003	8.004	-0.001	5616	0.1000	
25 1,2-Dichlorobenzene	146	8.060	8.061	-0.001	15643	0.1000	
26 2-Methylphenol	108	8.084	8.085	-0.001	8839	0.1023	
27 2,2'-oxybis[1-chloropropane]	45	8.113	8.114	-0.001	20556	0.1000	
28 3 & 4 Methylphenol	108	8.214	8.215	-0.001	10024	0.1068	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.229	8.234	-0.005	6412	0.1000	
30 Acetophenone	105	8.248	8.249	-0.001	14186	0.1075	
31 Hexachloroethane	117	8.368	8.364	0.004	4822	0.1084	
32 Nitrobenzene	77	8.411	8.412	-0.001	10383	0.1044	
33 Isophorone	82	8.604	8.605	-0.001	17553	0.1044	
35 2,4-Dimethylphenol	107	8.681	8.682	-0.001	10094	0.1047	
34 2-Nitrophenol	139	8.690	8.687	0.004	4595	0.0952	
37 Bis(2-chloroethoxy)methane	93	8.762	8.763	-0.001	12243	0.1000	
38 2,4-Dichlorophenol	162	8.888	8.888	0.000	8740	0.1103	
39 1,2,4-Trichlorobenzene	180	8.969	8.970	-0.001	11373	0.1000	
40 Alpha-Terpineol	59	9.017	9.018	-0.001	9392	0.1076	
41 Naphthalene	128	9.051	9.052	-0.001	38255	0.1000	
42 4-Chloroaniline	127	9.070	9.071	-0.001	14431	0.1000	
43 Hexachlorobutadiene	225	9.133	9.134	-0.001	5795	0.1000	
44 Caprolactam	55	9.340	9.360	-0.020	2905	0.1000	
45 4-Chloro-3-methylphenol	107	9.445	9.451	-0.006	6858	0.0963	
46 2-Methylnaphthalene	142	9.638	9.634	0.004	23047	0.1000	
47 1-Methylnaphthalene	142	9.724	9.725	-0.001	23741	0.1000	
48 Hexachlorocyclopentadiene	237	9.763	9.764	-0.001	2631	0.1000	
49 1,2,4,5-Tetrachlorobenzene	216	9.777	9.778	-0.001	9440	0.1000	
50 2,4,6-Trichlorophenol	196	9.859	9.860	-0.001	4414	0.1000	
51 2,4,5-Trichlorophenol	196	9.897	9.898	-0.001	4819	0.1000	
52 1,1'-Biphenyl	154	10.018	10.023	-0.005	28727	0.1053	
53 2-Chloronaphthalene	162	10.061	10.062	-0.001	25913	0.1046	
54 Phenyl ether	170	10.099	10.100	-0.001	15683	0.1000	
68 4-Nitroaniline	138	10.119	10.124	-0.005	4927	0.1000	
56 Dimethyl phthalate	163	10.239	10.240	-0.001	23785	0.1011	
57 2,6-Dinitrotoluene	165	10.306	10.312	-0.006	4547	0.0918	
58 Acenaphthylene	152	10.417	10.422	-0.005	29126	0.0946	
59 3-Nitroaniline	138	10.465	10.466	-0.001	3910	0.1000	
61 Acenaphthene	153	10.561	10.562	-0.001	22691	0.1017	
63 2,4-Dinitrotoluene	165	10.657	10.658	-0.001	4043	0.1000	
64 Dibenzofuran	168	10.705	10.706	-0.001	32455	0.1069	
65 2,3,4,6-Tetrachlorophenol	232	10.797	10.793	0.004	2457	0.1000	
66 Diethyl phthalate	149	10.821	10.826	-0.005	24956	0.1026	
67 4-Chlorophenyl phenyl ether	204	10.965	10.966	-0.001	10587	0.1012	
55 2-Nitroaniline	65	10.984	10.985	-0.001	3480	0.1000	
69 Fluorene	166	10.999	11.000	-0.001	23542	0.0991	
71 Diphenylamine	169	11.056	11.057	-0.001	18611	0.0967	
72 N-Nitrosodiphenylamine	169	11.056	11.057	-0.001	18611	0.0967	
74 Azobenzene	77	11.104	11.101	0.003	32868	0.0938	
73 1,2-Diphenylhydrazine	77	11.104	11.101	0.003	32868	0.0938	
13 Benzophenone	105	11.109	11.110	-0.001	17644	0.1000	
75 4-Bromophenyl phenyl ether	248	11.383	11.384	-0.001	6113	0.1079	
77 Atrazine	200	11.465	11.471	-0.006	4887	0.1000	
76 Hexachlorobenzene	284	11.470	11.471	-0.001	5584	0.1043	
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	1877	0.0891	
80 Phenanthrene	178	11.821	11.822	-0.001	34493	0.1065	
81 Anthracene	178	11.869	11.865	0.004	28324	0.0969	
83 Carbazole	167	11.980	11.981	-0.001	25032	0.1009	
84 Di-n-butyl phthalate	149	12.206	12.207	-0.001	47435	0.1000	
87 Fluoranthene	202	12.999	13.000	-0.001	26416	0.0983	

Report Date: 22-Sep-2009 10:40:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	13.105	13.101	0.004	2603	0.1000	
85 Pyrene	202	13.302	13.303	-0.001	27702	0.1000	
89 Butyl benzyl phthalate	149	14.144	14.145	0.000	8817	0.0915	
92 Bis(2-ethylhexyl) phthalate	149	15.278	15.284	-0.006	13196	0.0977	
91 3,3'-Dichlorobenzidine	252	15.283	15.283	0.000	2443	0.1000	M
93 Benzo[a]anthracene	228	15.379	15.380	-0.001	12027	0.0978	
94 Chrysene	228	15.442	15.448	-0.006	12738	0.1038	
95 Di-n-octyl phthalate	149	16.336	16.337	-0.001	10548	0.1000	
97 Benzo[b]fluoranthene	252	17.115	17.121	-0.006	9597	0.1055	
98 Benzo[k]fluoranthene	252	17.163	17.169	-0.006	8652	0.1045	
99 Benzo[a]pyrene	252	17.736	17.737	-0.001	5962	0.0981	
100 Indeno[1,2,3-cd]pyrene	276	20.270	20.276	-0.006	6232	0.1000	
101 Dibenz(a,h)anthracene	278	20.304	20.295	0.009	5081	0.1000	
102 Benzo[g,h,i]perylene	276	21.006	21.002	0.004	6579	0.1000	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 10:40:58 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D

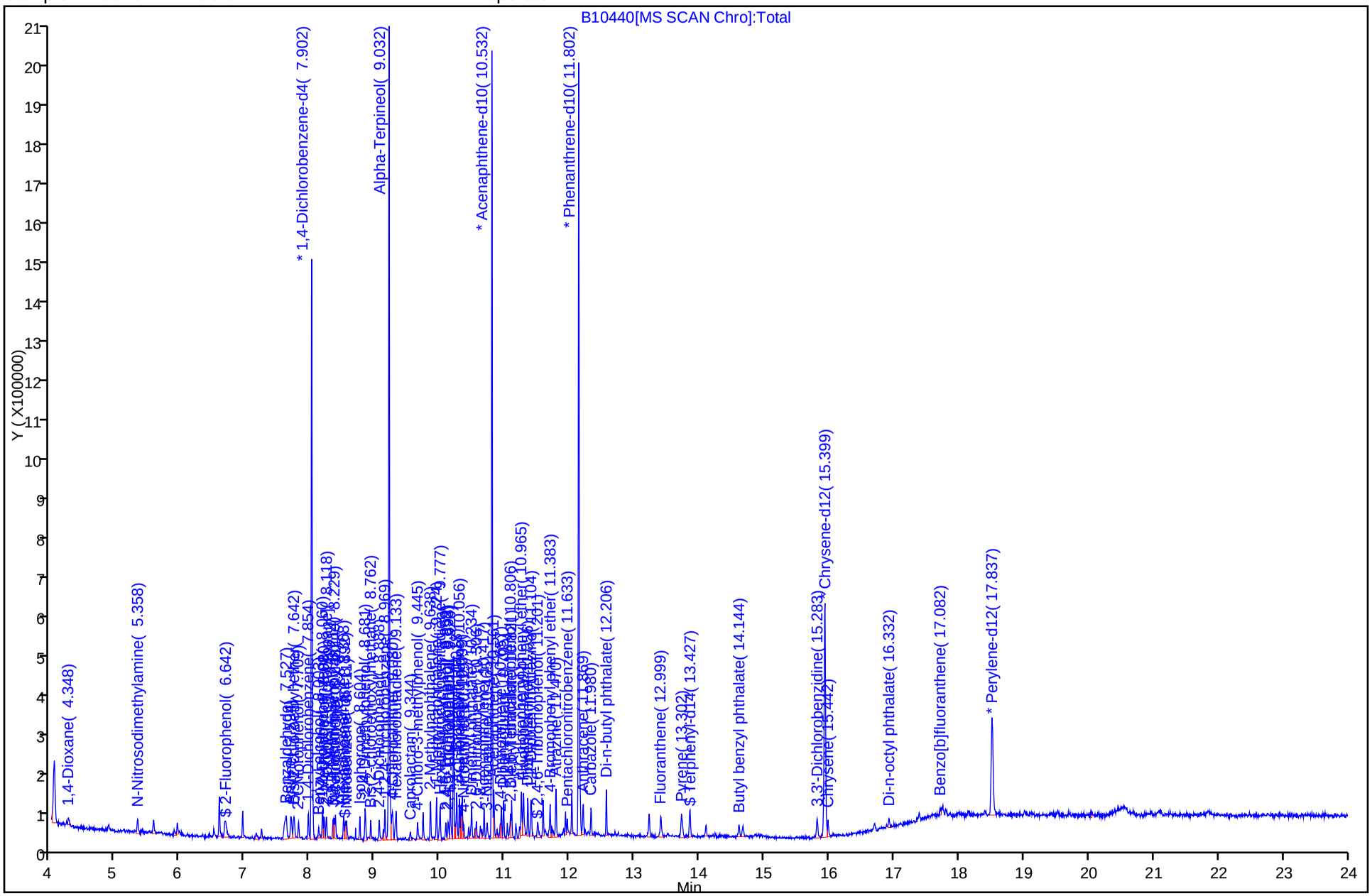
Inj Date: 21-Sep-2009 15:55:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: std01

Sample Amount: 1.00 ul Operator: MZ



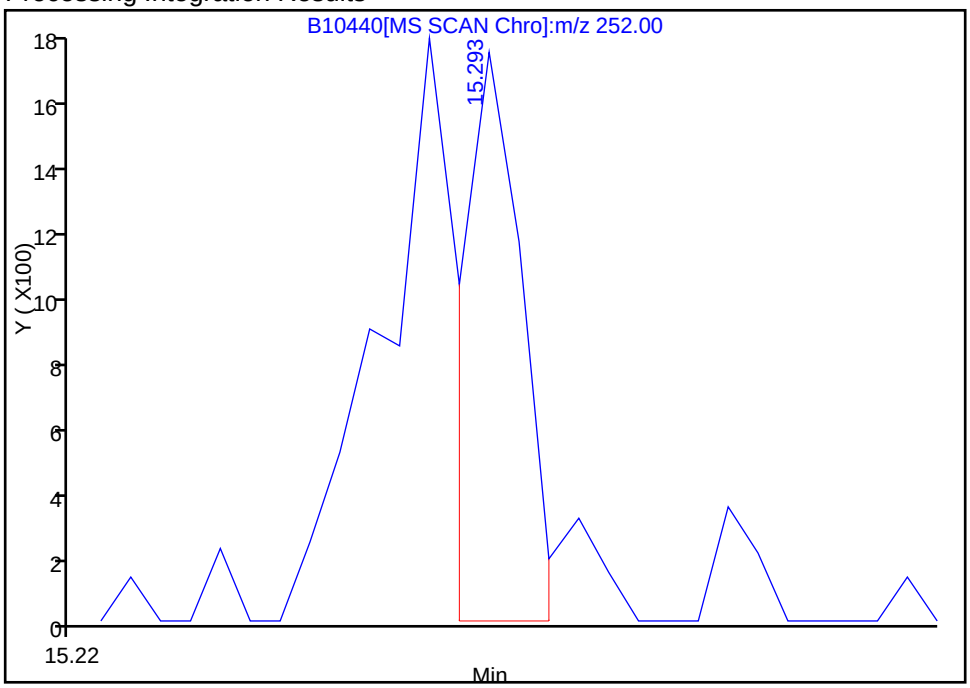
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D		
Inj Date:	21-Sep-2009 15:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

91 3,3'-Dichlorobenzidine, Number: 1, m/z: 252 Type: quant, RT: 15.28

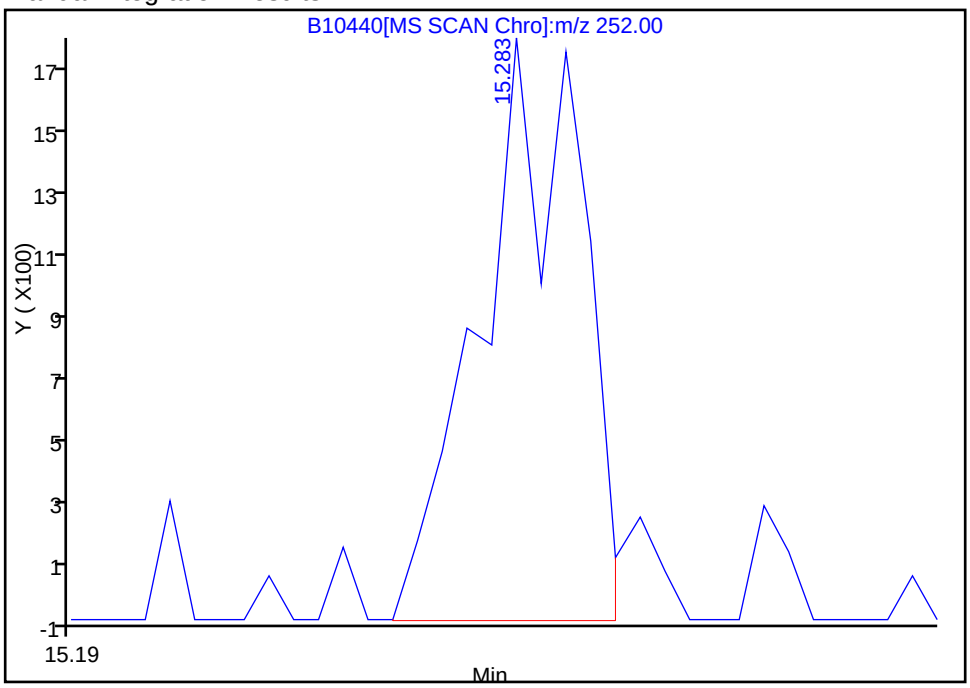
Processing Integration Results

RT: 15.29
Response: 1194
Amount: 0.100000



Manual Integration Results

RT: 15.28
Response: 2443
Amount: 0.100000



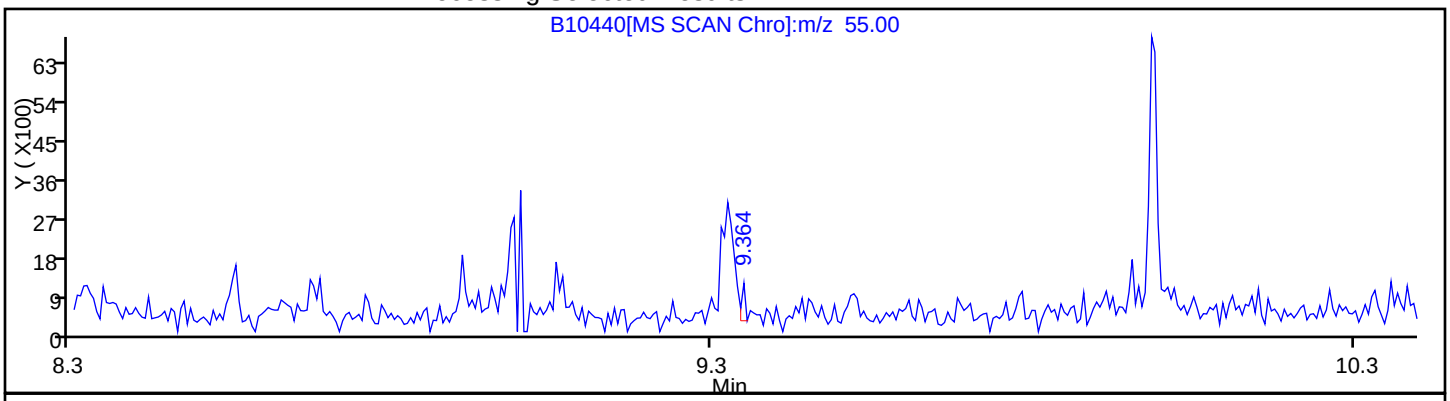
Reviewer: sullivanp, 22-Sep-2009 10:40:56
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

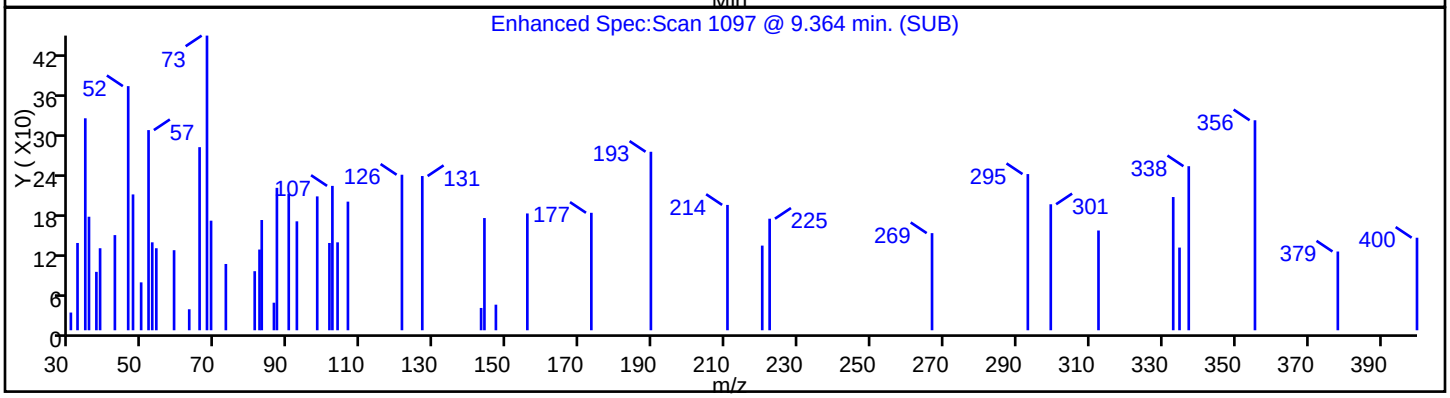
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10440.D		
Inj Date:	21-Sep-2009 15:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

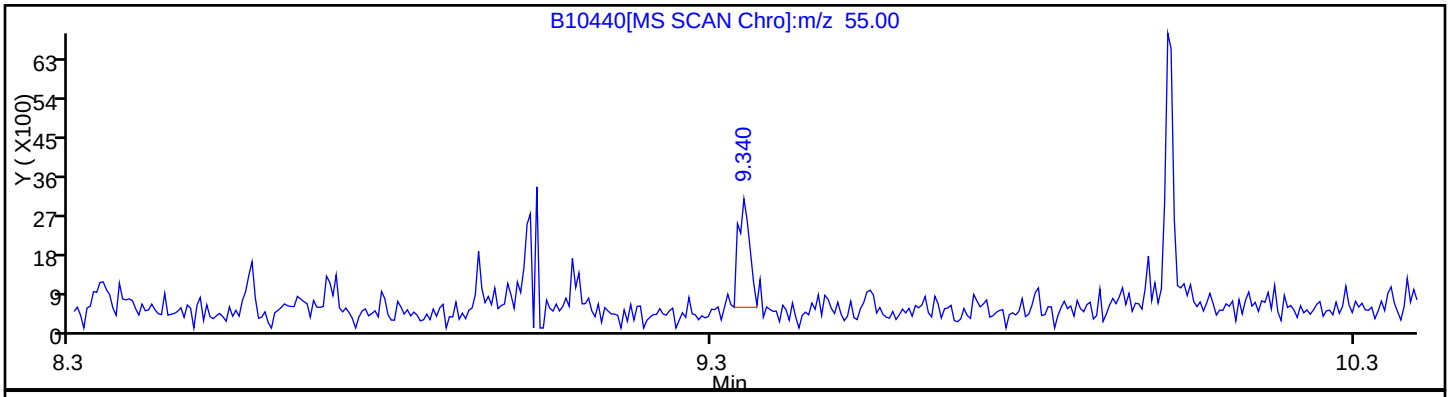
44 Caprolactam

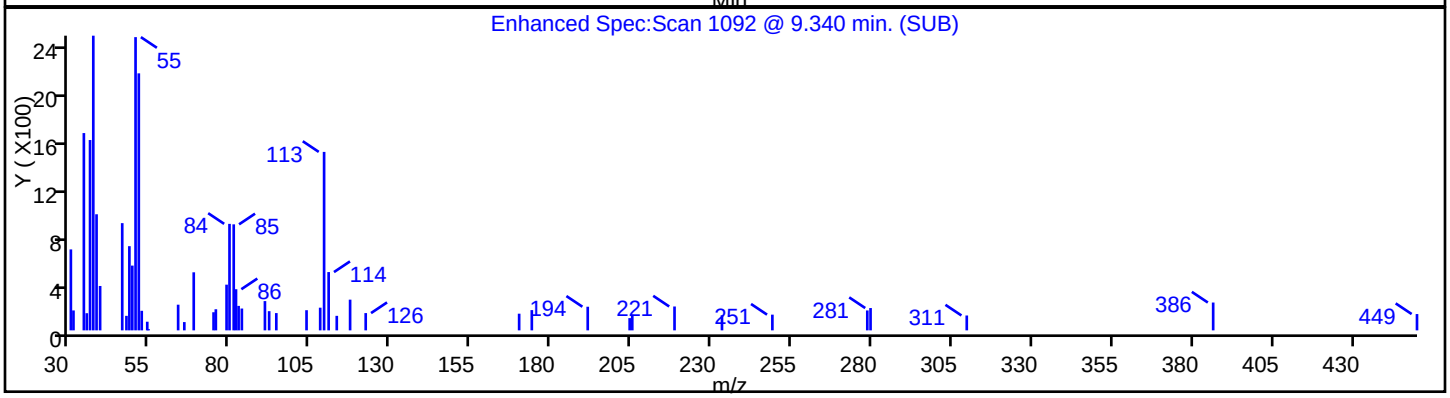
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 22-Sep-2009 10:40:56
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10441.D		
Lims ID:	std025	Client ID:	
Inject. Date:	21-Sep-2009 16:25:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	std025		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49265	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:42:16	Calib Date:	21-Sep-2009 16:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10441.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:42:16

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.901	7.903	-0.002	380629	2.00	
* 2 Naphthalene-d8	136	9.031	9.033	-0.002	920960	2.00	
* 3 Acenaphthene-d10	164	10.531	10.533	-0.002	450790	2.00	
* 4 Phenanthrene-d10	188	11.801	11.803	-0.002	727260	2.00	
* 5 Chrysene-d12	240	15.398	15.400	-0.002	399430	2.00	
* 6 Perylene-d12	264	17.841	17.842	-0.001	230642	2.00	
$ 7 2-Fluorophenol	112	6.631	6.633	-0.002	25114	0.2460	
$ 8 Phenol-d5	99	7.521	7.523	-0.002	32911	0.2680	
$ 9 Nitrobenzene-d5	82	8.391	8.393	-0.002	30908	0.2547	
$ 10 2-Fluorobiphenyl	172	9.925	9.927	-0.002	71350	0.2457	
$ 11 2,4,6-Tribromophenol	330	11.200	11.202	-0.002	3838	0.2043	
$ 12 Terphenyl-d14	244	13.426	13.428	-0.002	44513	0.2359	
14 1,4-Dioxane	88	4.352	4.349	0.003	16660	0.2702	
15 N-Nitrosodimethylamine	42	4.934	4.926	0.008	19024	0.2538	
17 Benzaldehyde	105	7.507	7.504	0.003	18326	0.2485	
18 Phenol	94	7.531	7.537	-0.006	34199	0.2547	
19 Aniline	93	7.593	7.595	-0.002	39834	0.2446	
20 Bis(2-chloroethyl)ether	93	7.636	7.633	0.003	29080	0.2535	
21 2-Chlorophenol	128	7.709	7.710	-0.001	29976	0.2603	
22 1,4-Dichlorobenzene	146	7.853	7.850	0.003	38339	0.2573	
23 1,3-Dichlorobenzene	146	7.915	7.917	-0.002	40400	0.2652	
24 Benzyl alcohol	79	8.002	8.004	-0.002	17322	0.2353	
25 1,2-Dichlorobenzene	146	8.060	8.061	-0.001	37555	0.2631	
26 2-Methylphenol	108	8.084	8.085	-0.001	26504	0.2647	
27 2,2'-oxybis[1-chloropropane]	45	8.112	8.114	-0.002	55482	0.2649	
28 3 & 4 Methylphenol	108	8.213	8.215	-0.002	28223	0.2613	
29 N-Nitrosodi-n-propylamine	70	8.228	8.234	-0.006	18777	0.2567	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.247	8.249	-0.002	39085	0.2587	
31 Hexachloroethane	117	8.367	8.364	0.003	13222	0.2594	
32 Nitrobenzene	77	8.411	8.412	-0.001	31325	0.2689	
33 Isophorone	82	8.603	8.605	-0.002	45790	0.2442	
35 2,4-Dimethylphenol	107	8.680	8.682	-0.002	27641	0.2528	
34 2-Nitrophenol	139	8.690	8.687	0.004	13042	0.2429	
37 Bis(2-chloroethoxy)methane	93	8.762	8.763	-0.001	31032	0.2546	
38 2,4-Dichlorophenol	162	8.887	8.888	-0.001	22031	0.2478	
39 1,2,4-Trichlorobenzene	180	8.968	8.970	-0.002	30337	0.2794	
40 Alpha-Terpineol	59	9.017	9.018	-0.001	24414	0.2487	
41 Naphthalene	128	9.050	9.052	-0.002	104521	0.2856	
42 4-Chloroaniline	127	9.069	9.071	-0.002	39569	0.2631	
43 Hexachlorobutadiene	225	9.137	9.134	0.003	15183	0.2715	
44 Caprolactam	55	9.344	9.360	-0.016	8442	0.2286	
45 4-Chloro-3-methylphenol	107	9.449	9.451	-0.002	21688	0.2630	
46 2-Methylnaphthalene	142	9.637	9.634	0.003	63911	0.2670	
47 1-Methylnaphthalene	142	9.723	9.725	-0.002	62699	0.2624	
48 Hexachlorocyclopentadiene	237	9.762	9.764	-0.002	8330	0.2268	
49 1,2,4,5-Tetrachlorobenzene	216	9.776	9.778	-0.002	25985	0.2843	
50 2,4,6-Trichlorophenol	196	9.863	9.860	0.003	13120	0.2312	
51 2,4,5-Trichlorophenol	196	9.897	9.898	-0.001	14826	0.2448	
52 1,1'-Biphenyl	154	10.022	10.023	-0.001	80985	0.2590	
53 2-Chloronaphthalene	162	10.060	10.062	-0.002	68361	0.2466	
54 Phenyl ether	170	10.103	10.100	0.003	40692	0.2715	
68 4-Nitroaniline	138	10.123	10.124	-0.001	13647	0.2172	
56 Dimethyl phthalate	163	10.238	10.240	-0.002	64796	0.2464	
57 2,6-Dinitrotoluene	165	10.305	10.312	-0.007	13034	0.2389	
58 Acenaphthylene	152	10.421	10.422	-0.001	86836	0.2504	
59 3-Nitroaniline	138	10.464	10.466	-0.002	11663	0.2315	
61 Acenaphthene	153	10.560	10.562	-0.002	64419	0.2543	
63 2,4-Dinitrotoluene	165	10.656	10.658	-0.002	13764	0.2304	
64 Dibenzofuran	168	10.704	10.706	-0.002	82751	0.2447	
65 2,3,4,6-Tetrachlorophenol	232	10.796	10.793	0.003	8287	0.2216	
66 Diethyl phthalate	149	10.820	10.826	-0.006	67725	0.2482	
67 4-Chlorophenyl phenyl ether	204	10.964	10.966	-0.002	30207	0.2543	
55 2-Nitroaniline	65	10.983	10.985	-0.002	10902	0.2178	
69 Fluorene	166	10.998	11.000	-0.002	68939	0.2552	
71 Diphenylamine	169	11.060	11.057	0.003	54149	0.2462	
72 N-Nitrosodiphenylamine	169	11.060	11.057	0.003	54149	0.2462	
74 Azobenzene	77	11.099	11.101	-0.002	95862	0.2415	
73 1,2-Diphenylhydrazine	77	11.099	11.101	-0.002	95862	0.2415	
13 Benzophenone	105	11.108	11.110	-0.002	56366	0.2469	
75 4-Bromophenyl phenyl ether	248	11.382	11.384	-0.002	15981	0.2466	
77 Atrazine	200	11.469	11.471	-0.002	13925	0.2284	
76 Hexachlorobenzene	284	11.469	11.471	-0.002	15660	0.2527	
79 Pentachloronitrobenzene	237	11.637	11.634	0.003	5127	0.2228	
80 Phenanthrene	178	11.820	11.822	-0.002	94703	0.2526	
81 Anthracene	178	11.863	11.865	-0.002	84119	0.2499	
83 Carbazole	167	11.979	11.981	-0.002	70279	0.2473	
84 Di-n-butyl phthalate	149	12.205	12.207	-0.002	111150	0.2360	
87 Fluoranthene	202	13.003	13.000	0.003	74587	0.2439	
86 Benzidine	184	13.099	13.101	-0.002	5408	0.1759	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
85 Pyrene	202	13.301	13.303	-0.002	80094	0.2403	
89 Butyl benzyl phthalate	149	14.143	14.145	-0.001	27592	0.2203	
91 3,3'-Dichlorobenzidine	252	15.287	15.283	0.004	8512	0.2112	
92 Bis(2-ethylhexyl) phthalate	149	15.282	15.284	-0.002	31562	0.1927	
93 Benzo[a]anthracene	228	15.379	15.380	-0.001	39575	0.2389	
94 Chrysene	228	15.441	15.448	-0.007	42993	0.2530	
95 Di-n-octyl phthalate	149	16.340	16.337	0.003	35078	0.1901	
97 Benzo[b]fluoranthene	252	17.119	17.121	-0.002	31557	0.2324	
98 Benzo[k]fluoranthene	252	17.167	17.169	-0.002	29326	0.2357	
99 Benzo[a]pyrene	252	17.735	17.737	-0.002	19919	0.2232	
100 Indeno[1,2,3-cd]pyrene	276	20.269	20.276	-0.007	15614	0.2013	
101 Dibenz(a,h)anthracene	278	20.293	20.295	-0.002	14544	0.2245	
102 Benzo[g,h,i]perylene	276	20.995	21.002	-0.007	17014	0.2277	

Report Date: 22-Sep-2009 10:42:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10441.D

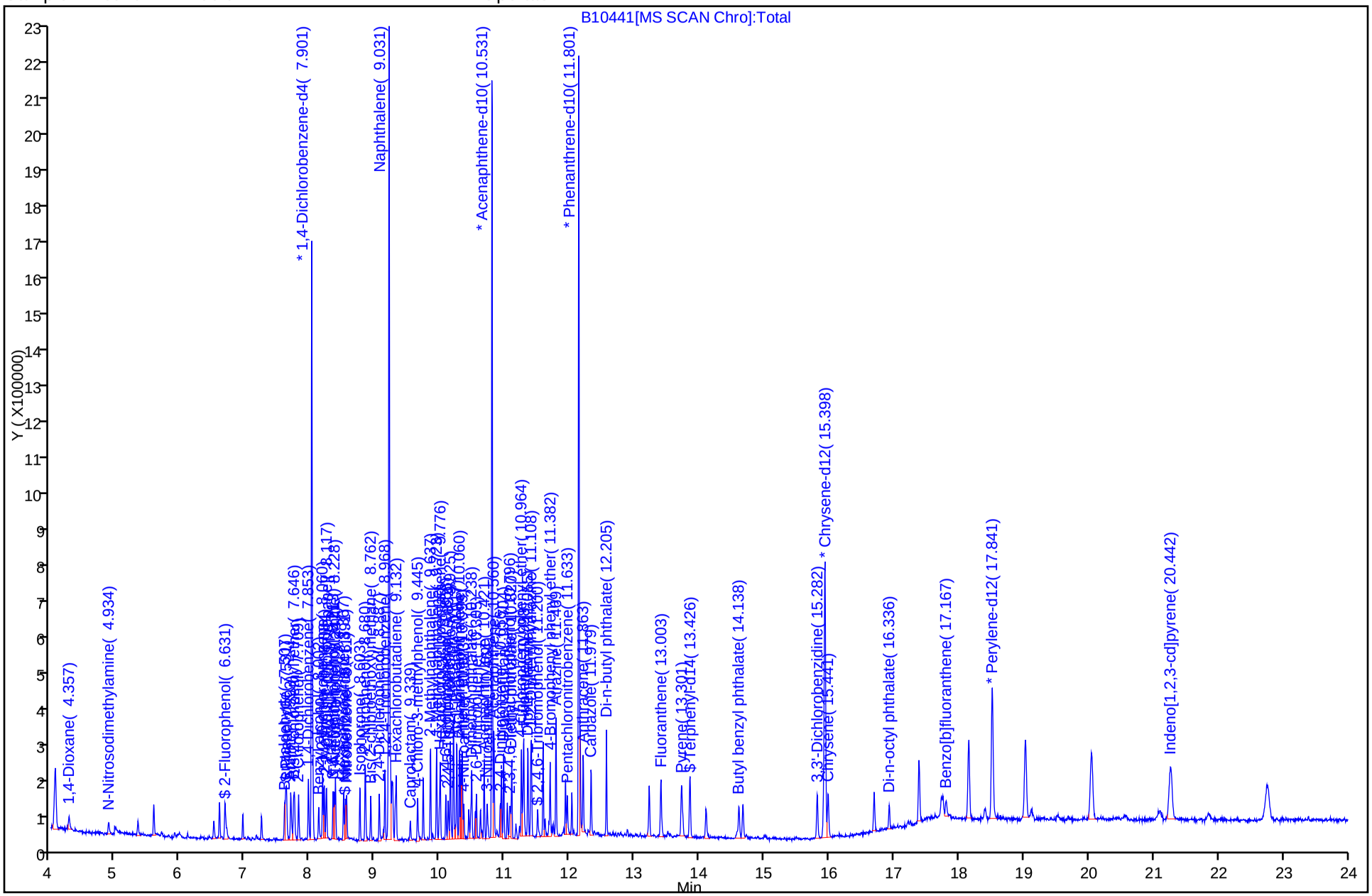
Inj Date: 21-Sep-2009 16:25:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: std025

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10442.D		
Lims ID:	std05	Client ID:	
Inject. Date:	21-Sep-2009 16:56:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	std05		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49265	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:43:48	Calib Date:	21-Sep-2009 16:56:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10442.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:43:48

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.900	7.903	-0.003	334716	2.00	
* 2 Naphthalene-d8	136	9.030	9.033	-0.003	794195	2.00	
* 3 Acenaphthene-d10	164	10.536	10.533	0.003	374562	2.00	
* 4 Phenanthrene-d10	188	11.800	11.803	-0.003	596169	2.00	
* 5 Chrysene-d12	240	15.397	15.400	-0.003	304916	2.00	
* 6 Perylene-d12	264	17.840	17.842	-0.002	157555	2.00	
$ 7 2-Fluorophenol	112	6.631	6.633	-0.002	48827	0.5322	
$ 8 Phenol-d5	99	7.520	7.523	-0.003	55531	0.5107	
$ 9 Nitrobenzene-d5	82	8.391	8.393	-0.002	52136	0.4986	
$ 10 2-Fluorobiphenyl	172	9.925	9.927	-0.002	123243	0.5080	
$ 11 2,4,6-Tribromophenol	330	11.199	11.202	-0.003	6467	0.4011	
$ 12 Terphenyl-d14	244	13.426	13.428	-0.002	75406	0.5174	
14 1,4-Dioxane	88	4.342	4.349	-0.007	22101	0.5115	
15 N-Nitrosodimethylamine	42	4.928	4.926	0.002	31778	0.4864	
16 Pyridine	79	4.991	4.960	0.031	28229	0.5000	
17 Benzaldehyde	105	7.506	7.504	0.002	30601	0.4786	
18 Phenol	94	7.530	7.537	-0.007	58916	0.4992	
19 Aniline	93	7.593	7.595	-0.002	70739	0.4955	
20 Bis(2-chloroethyl)ether	93	7.636	7.633	0.003	51100	0.5050	
21 2-Chlorophenol	128	7.708	7.710	-0.002	50248	0.4971	
22 1,4-Dichlorobenzene	146	7.852	7.850	0.002	69270	0.5213	
23 1,3-Dichlorobenzene	146	7.915	7.917	-0.002	70687	0.5086	
24 Benzyl alcohol	79	8.001	8.004	-0.003	32624	0.5084	
25 1,2-Dichlorobenzene	146	8.059	8.061	-0.002	64589	0.5385	
26 2-Methylphenol	108	8.083	8.085	-0.002	45729	0.5144	
27 2,2'-oxybis[1-chloropropane]	45	8.117	8.114	0.003	95039	0.5119	
28 3 & 4 Methylphenol	108	8.213	8.215	-0.002	46398	0.4913	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.232	8.234	-0.002	32851	0.5080	
30 Acetophenone	105	8.247	8.249	-0.002	67848	0.5080	
31 Hexachloroethane	117	8.367	8.364	0.003	22775	0.5060	
32 Nitrobenzene	77	8.410	8.412	-0.002	53954	0.5273	
33 Isophorone	82	8.602	8.605	-0.003	82265	0.5066	
35 2,4-Dimethylphenol	107	8.679	8.682	-0.003	49804	0.5208	
34 2-Nitrophenol	139	8.689	8.687	0.003	24889	0.5277	
37 Bis(2-chloroethoxy)methane	93	8.761	8.763	-0.002	56672	0.5289	
38 2,4-Dichlorophenol	162	8.886	8.888	-0.002	39448	0.5108	
39 1,2,4-Trichlorobenzene	180	8.968	8.970	-0.002	52390	0.5243	
40 Alpha-Terpineol	59	9.016	9.018	-0.002	41538	0.4930	
41 Naphthalene	128	9.050	9.052	-0.002	176114	0.5211	
42 4-Chloroaniline	127	9.069	9.071	-0.002	63918	0.4946	
43 Hexachlorobutadiene	225	9.136	9.134	0.002	25820	0.5136	
44 Caprolactam	55	9.343	9.360	-0.017	14031	0.4574	
45 4-Chloro-3-methylphenol	107	9.449	9.451	-0.002	36934	0.5144	
46 2-Methylnaphthalene	142	9.636	9.634	0.002	113623	0.5370	
47 1-Methylnaphthalene	142	9.723	9.725	-0.002	106129	0.5112	
48 Hexachlorocyclopentadiene	237	9.761	9.764	-0.003	13184	0.4053	
49 1,2,4,5-Tetrachlorobenzene	216	9.776	9.778	-0.002	44063	0.5232	
50 2,4,6-Trichlorophenol	196	9.862	9.860	0.002	24181	0.5139	
51 2,4,5-Trichlorophenol	196	9.896	9.898	-0.002	25029	0.4980	
52 1,1'-Biphenyl	154	10.021	10.023	-0.002	128651	0.4963	
53 2-Chloronaphthalene	162	10.059	10.062	-0.003	116016	0.5028	
54 Phenyl ether	170	10.103	10.100	0.003	69782	0.5161	
68 4-Nitroaniline	138	10.122	10.124	-0.002	23847	0.4239	
56 Dimethyl phthalate	163	10.237	10.240	-0.003	112596	0.5115	
57 2,6-Dinitrotoluene	165	10.305	10.312	-0.007	22938	0.5045	
58 Acenaphthylene	152	10.420	10.422	-0.002	153049	0.5230	
59 3-Nitroaniline	138	10.463	10.466	-0.003	21539	0.5152	
61 Acenaphthene	153	10.564	10.562	0.002	104977	0.4990	
62 4-Nitrophenol	109	10.560	10.562	-0.002	6288	0.5000	
63 2,4-Dinitrotoluene	165	10.656	10.658	-0.002	23120	0.4272	
64 Dibenzofuran	168	10.704	10.706	-0.002	137345	0.4916	
65 2,3,4,6-Tetrachlorophenol	232	10.795	10.793	0.002	15479	0.4389	
66 Diethyl phthalate	149	10.819	10.826	-0.007	114149	0.5025	
67 4-Chlorophenyl phenyl ether	204	10.964	10.966	-0.002	52477	0.5234	
55 2-Nitroaniline	65	10.983	10.985	-0.002	19933	0.4272	
69 Fluorene	166	10.997	11.000	-0.003	112818	0.5019	
70 4,6-Dinitro-2-methylphenol	198	11.002	11.004	-0.002	2936	0.5000	
71 Diphenylamine	169	11.055	11.057	-0.002	93721	0.5147	
72 N-Nitrosodiphenylamine	169	11.055	11.057	-0.002	93721	0.5147	
74 Azobenzene	77	11.103	11.101	0.002	165113	0.5056	
73 1,2-Diphenylhydrazine	77	11.103	11.101	0.002	165113	0.5056	
13 Benzophenone	105	11.108	11.110	-0.002	98764	0.5206	
75 4-Bromophenyl phenyl ether	248	11.382	11.384	-0.002	25890	0.4904	
77 Atrazine	200	11.468	11.471	-0.003	24268	0.4891	
76 Hexachlorobenzene	284	11.468	11.471	-0.003	25276	0.4981	
78 Pentachlorophenol	266	11.622	11.625	-0.003	3566	0.5000	
79 Pentachloronitrobenzene	237	11.632	11.634	-0.002	9167	0.4894	
80 Phenanthrene	178	11.824	11.822	0.002	152519	0.4972	
81 Anthracene	178	11.868	11.865	0.003	133154	0.4868	

Report Date: 22-Sep-2009 10:43:49 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10442.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.983	11.981	0.002	113874	0.4916	
84 Di-n-butyl phthalate	149	12.204	12.207	-0.003	170809	0.4555	
87 Fluoranthene	202	13.002	13.000	0.002	124230	0.4967	
86 Benzidine	184	13.103	13.101	0.002	11149	0.4006	
85 Pyrene	202	13.301	13.303	-0.002	127315	0.5004	
89 Butyl benzyl phthalate	149	14.142	14.145	-0.002	43492	0.4654	
91 3,3'-Dichlorobenzidine	252	15.291	15.291	0.000	12846	0.3848	M
92 Bis(2-ethylhexyl) phthalate	149	15.287	15.284	0.003	46793	0.4064	
93 Benzo[a]anthracene	228	15.378	15.380	-0.002	62150	0.4936	
94 Chrysene	228	15.445	15.448	-0.003	66141	0.5073	
95 Di-n-octyl phthalate	149	16.335	16.337	-0.002	48497	0.3858	
97 Benzo[b]fluoranthene	252	17.119	17.121	-0.002	46761	0.5030	
98 Benzo[k]fluoranthene	252	17.172	17.169	0.003	39879	0.4765	
99 Benzo[a]pyrene	252	17.739	17.737	0.002	27498	0.4624	
100 Indeno[1,2,3-cd]pyrene	276	20.264	20.276	-0.012	21136	0.4249	
101 Dibenz(a,h)anthracene	278	20.302	20.295	0.007	16700	0.4091	
102 Benzo[g,h,i]perylene	276	21.004	21.002	0.002	19170	0.4291	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 10:43:49 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10442.D

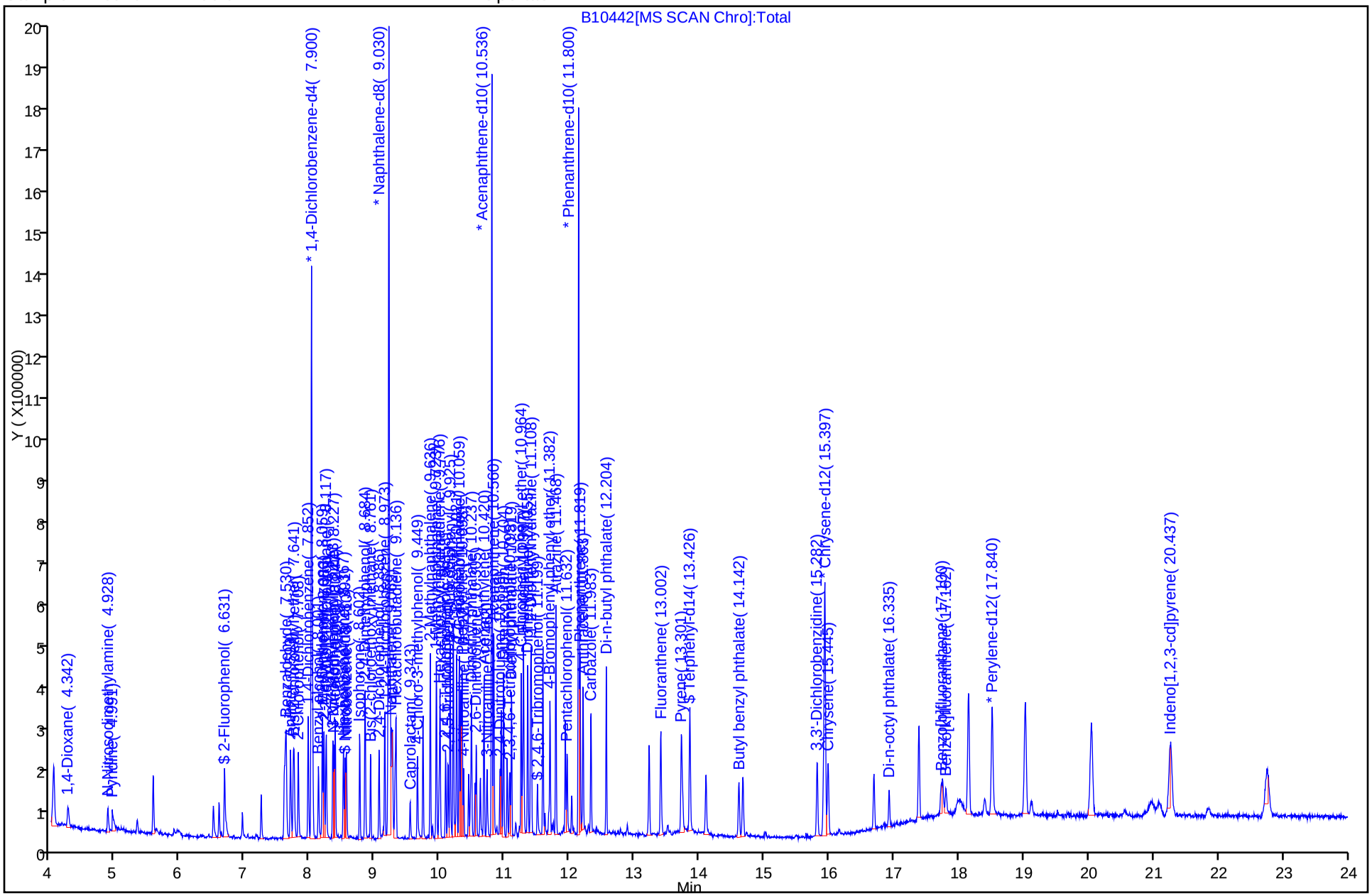
Inj Date: 21-Sep-2009 16:56:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: std05

Sample Amount: 1.00 ul Operator: MZ



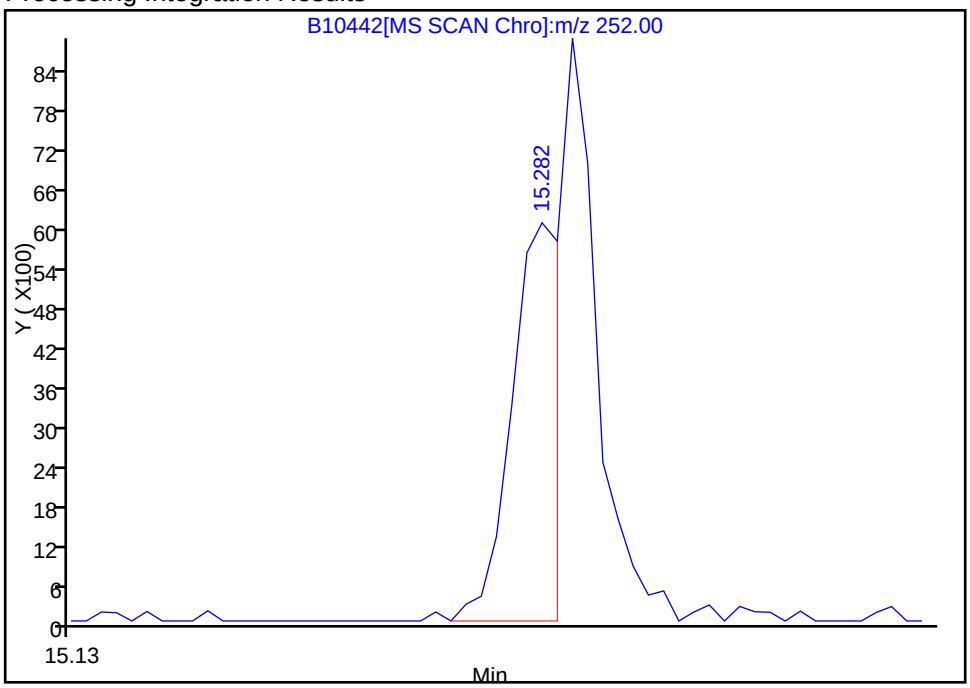
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10442.D		
Inj Date:	21-Sep-2009 16:56:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

91 3,3'-Dichlorobenzidine, Number: 1, m/z: 252 Type: quant, RT: 15.29

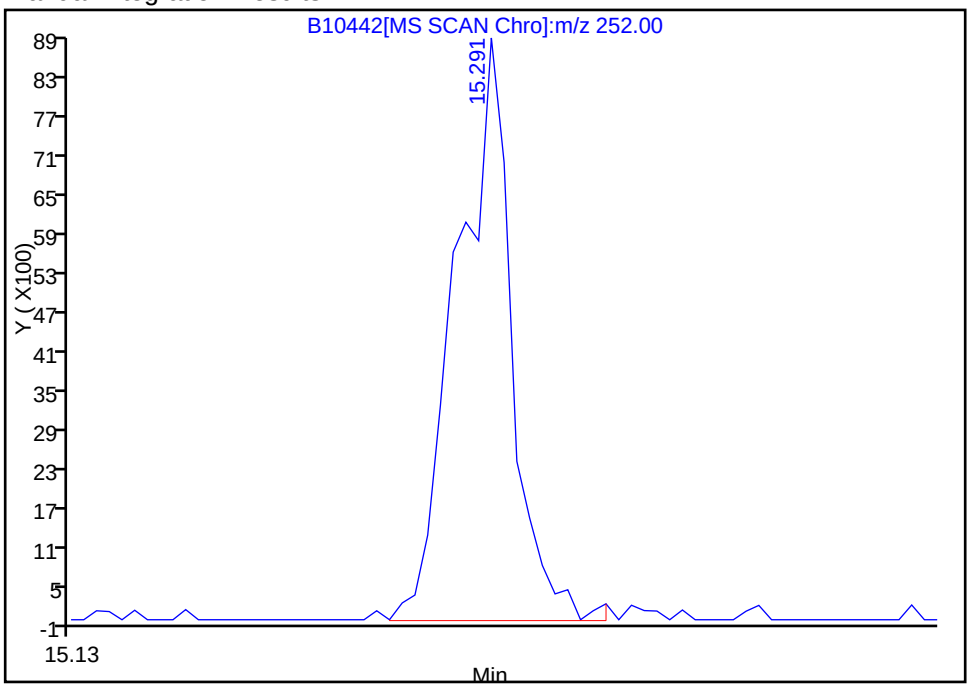
Processing Integration Results

RT: 15.28
Response: 6500
Amount: 0.310117



Manual Integration Results

RT: 15.29
Response: 12846
Amount: 0.384804



Reviewer: sullivanp, 22-Sep-2009 10:43:48
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10443.D		
Lims ID:	std1	Client ID:	
Inject. Date:	21-Sep-2009 17:27:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	std1		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49265	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:44:59	Calib Date:	21-Sep-2009 17:27:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10443.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:44:59

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.903	-0.001	415904	2.00	
* 2 Naphthalene-d8	136	9.032	9.033	-0.001	992723	2.00	
* 3 Acenaphthene-d10	164	10.532	10.533	-0.001	461181	2.00	
* 4 Phenanthrene-d10	188	11.802	11.803	-0.001	751049	2.00	
* 5 Chrysene-d12	240	15.399	15.400	-0.001	402401	2.00	
* 6 Perylene-d12	264	17.837	17.842	-0.005	215456	2.00	
$ 7 2-Fluorophenol	112	6.632	6.633	-0.001	122192	1.06	
$ 8 Phenol-d5	99	7.522	7.523	-0.001	140770	1.03	
$ 9 Nitrobenzene-d5	82	8.392	8.393	-0.001	136156	1.03	
$ 10 2-Fluorobiphenyl	172	9.926	9.927	-0.001	296470	0.99	
$ 11 2,4,6-Tribromophenol	330	11.201	11.202	-0.001	19113	0.8972	
$ 12 Terphenyl-d14	244	13.427	13.428	-0.001	194867	1.01	
14 1,4-Dioxane	88	4.358	4.349	0.009	49845	1.07	
15 N-Nitrosodimethylamine	42	4.930	4.926	0.004	81505	1.00	
16 Pyridine	79	4.978	4.960	0.018	101595	1.11	
17 Benzaldehyde	105	7.503	7.504	-0.001	78497	0.99	
18 Phenol	94	7.531	7.537	-0.006	147702	1.01	
19 Aniline	93	7.594	7.595	-0.001	181728	1.02	
20 Bis(2-chloroethyl)ether	93	7.637	7.633	0.004	123714	0.9871	
21 2-Chlorophenol	128	7.709	7.710	-0.001	130202	1.03	
22 1,4-Dichlorobenzene	146	7.854	7.850	0.004	159335	0.9717	
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	167645	0.9765	
24 Benzyl alcohol	79	8.003	8.004	-0.001	91741	1.12	
25 1,2-Dichlorobenzene	146	8.060	8.061	-0.001	155260	0.9688	
26 2-Methylphenol	108	8.084	8.085	-0.001	115632	1.04	
27 2,2'-oxybis[1-chloropropane]	45	8.113	8.114	-0.001	228793	0.99	
28 3 & 4 Methylphenol	108	8.214	8.215	-0.001	117322	1.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.229	8.234	-0.005	84194	1.04	
30 Acetophenone	105	8.248	8.249	-0.001	170449	1.02	
31 Hexachloroethane	117	8.368	8.364	0.004	57356	1.02	
32 Nitrobenzene	77	8.407	8.412	-0.005	139739	1.07	
33 Isophorone	82	8.604	8.605	-0.001	213268	1.04	
35 2,4-Dimethylphenol	107	8.681	8.682	-0.001	120821	1.01	
34 2-Nitrophenol	139	8.686	8.687	0.000	65849	1.09	
36 Benzoic acid	105	8.705	8.705	0.000	2416	1.00	M
37 Bis(2-chloroethoxy)methane	93	8.762	8.763	-0.001	137958	1.02	
38 2,4-Dichlorophenol	162	8.887	8.888	-0.001	100590	1.03	
39 1,2,4-Trichlorobenzene	180	8.969	8.970	-0.001	126724	1.01	
40 Alpha-Terpineol	59	9.017	9.018	-0.001	111115	1.04	
41 Naphthalene	128	9.051	9.052	-0.001	423173	1.00	
42 4-Chloroaniline	127	9.070	9.071	-0.001	171999	1.05	
43 Hexachlorobutadiene	225	9.138	9.134	0.004	62784	1.00	
44 Caprolactam	55	9.344	9.360	-0.016	42965	1.09	
45 4-Chloro-3-methylphenol	107	9.450	9.451	-0.001	100405	1.09	
46 2-Methylnaphthalene	142	9.638	9.634	0.004	276524	1.04	
47 1-Methylnaphthalene	142	9.724	9.725	-0.001	266253	1.02	
48 Hexachlorocyclopentadiene	237	9.763	9.764	-0.001	42415	0.9729	
49 1,2,4,5-Tetrachlorobenzene	216	9.777	9.778	-0.001	107954	1.02	
50 2,4,6-Trichlorophenol	196	9.859	9.860	-0.001	65530	1.10	
51 2,4,5-Trichlorophenol	196	9.893	9.898	-0.005	68597	1.09	
52 1,1'-Biphenyl	154	10.022	10.023	-0.001	320583	1.00	
53 2-Chloronaphthalene	162	10.061	10.062	-0.001	290694	1.02	
54 Phenyl ether	170	10.099	10.100	-0.001	176095	1.03	
68 4-Nitroaniline	138	10.123	10.124	-0.001	69885	0.9482	
56 Dimethyl phthalate	163	10.239	10.240	-0.001	283661	1.04	
57 2,6-Dinitrotoluene	165	10.306	10.312	-0.006	62203	1.09	
58 Acenaphthylene	152	10.421	10.422	-0.001	386275	1.06	
59 3-Nitroaniline	138	10.465	10.466	-0.001	58410	1.11	
60 2,4-Dinitrophenol	184	10.551	10.552	-0.001	7510	1.00	
61 Acenaphthene	153	10.561	10.562	-0.001	262691	1.01	
62 4-Nitrophenol	109	10.561	10.562	-0.001	19187	0.8744	
63 2,4-Dinitrotoluene	165	10.652	10.658	-0.006	69164	0.9631	
64 Dibenzofuran	168	10.705	10.706	-0.001	346792	1.01	
65 2,3,4,6-Tetrachlorophenol	232	10.797	10.793	0.004	44953	0.9568	
66 Diethyl phthalate	149	10.821	10.826	-0.005	280823	1.00	
67 4-Chlorophenyl phenyl ether	204	10.965	10.966	-0.001	125395	1.01	
55 2-Nitroaniline	65	10.984	10.985	-0.001	58386	0.9405	
69 Fluorene	166	10.999	11.000	-0.001	284973	1.02	
70 4,6-Dinitro-2-methylphenol	198	11.003	11.004	-0.001	15341	0.8990	
71 Diphenylamine	169	11.056	11.057	-0.001	235860	1.02	
72 N-Nitrosodiphenylamine	169	11.056	11.057	-0.001	235860	1.02	
74 Azobenzene	77	11.100	11.101	-0.001	438723	1.05	
73 1,2-Diphenylhydrazine	77	11.100	11.101	-0.001	438723	1.05	
13 Benzophenone	105	11.109	11.110	-0.001	258663	1.06	
75 4-Bromophenyl phenyl ether	248	11.383	11.384	-0.001	66727	1.00	
77 Atrazine	200	11.470	11.471	-0.001	68273	1.07	
76 Hexachlorobenzene	284	11.470	11.471	-0.001	63674	1.00	
78 Pentachlorophenol	266	11.624	11.625	-0.001	12490	0.8700	
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	25435	1.06	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.821	11.822	-0.001	380489	0.9877	
81 Anthracene	178	11.864	11.865	-0.001	349778	1.01	
83 Carbazole	167	11.980	11.981	-0.001	301750	1.03	
84 Di-n-butyl phthalate	149	12.206	12.207	-0.001	426926	0.9215	
87 Fluoranthene	202	12.999	13.000	-0.001	315577	1.00	
86 Benzidine	184	13.100	13.101	-0.001	41144	0.9235	
85 Pyrene	202	13.302	13.303	-0.001	329384	0.9847	
89 Butyl benzyl phthalate	149	14.139	14.145	-0.005	131754	1.05	
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.284	-0.001	158020	0.9215	
91 3,3'-Dichlorobenzidine	252	15.288	15.291	-0.003	42142	0.9012	
93 Benzo[a]anthracene	228	15.379	15.380	-0.001	175319	1.04	
94 Chrysene	228	15.442	15.448	-0.006	163980	0.9621	
95 Di-n-octyl phthalate	149	16.336	16.337	-0.001	193411	0.8901	
97 Benzo[b]fluoranthene	252	17.115	17.121	-0.006	130891	1.02	
98 Benzo[k]fluoranthene	252	17.163	17.169	-0.006	117343	1.02	
99 Benzo[a]pyrene	252	17.731	17.737	-0.006	80622	0.99	
100 Indeno[1,2,3-cd]pyrene	276	20.260	20.276	-0.016	65872	0.9789	
101 Dibenz(a,h)anthracene	278	20.294	20.295	-0.001	53534	0.9818	
102 Benzo[g,h,i]perylene	276	21.006	21.002	0.004	58369	1.02	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 10:44:59 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10443.D

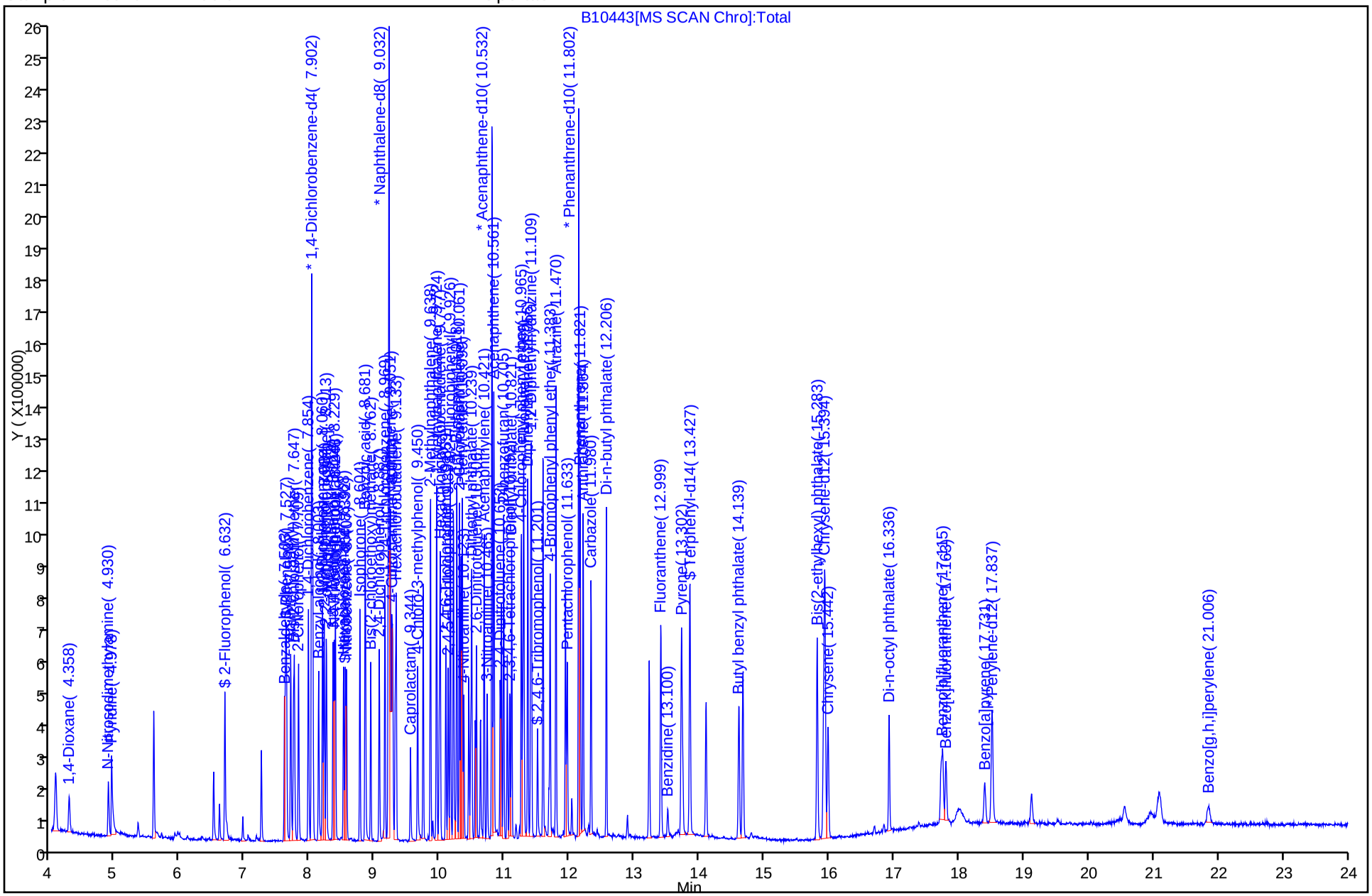
Inj Date: 21-Sep-2009 17:27:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: std1

Sample Amount: 1.00 ul Operator: MZ



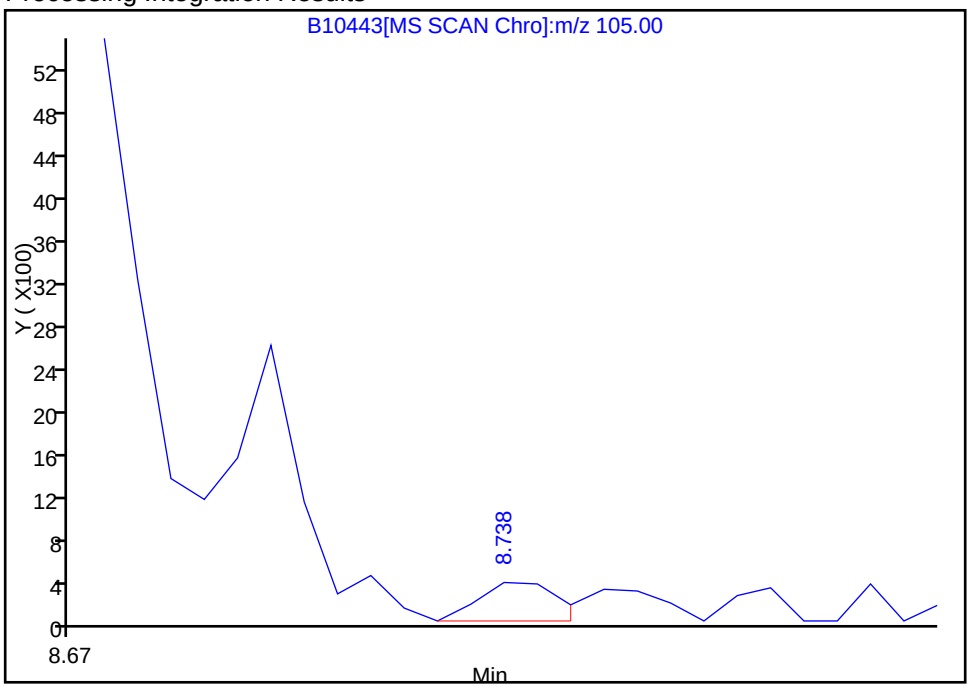
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10443.D		
Inj Date:	21-Sep-2009 17:27:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	std1		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.70

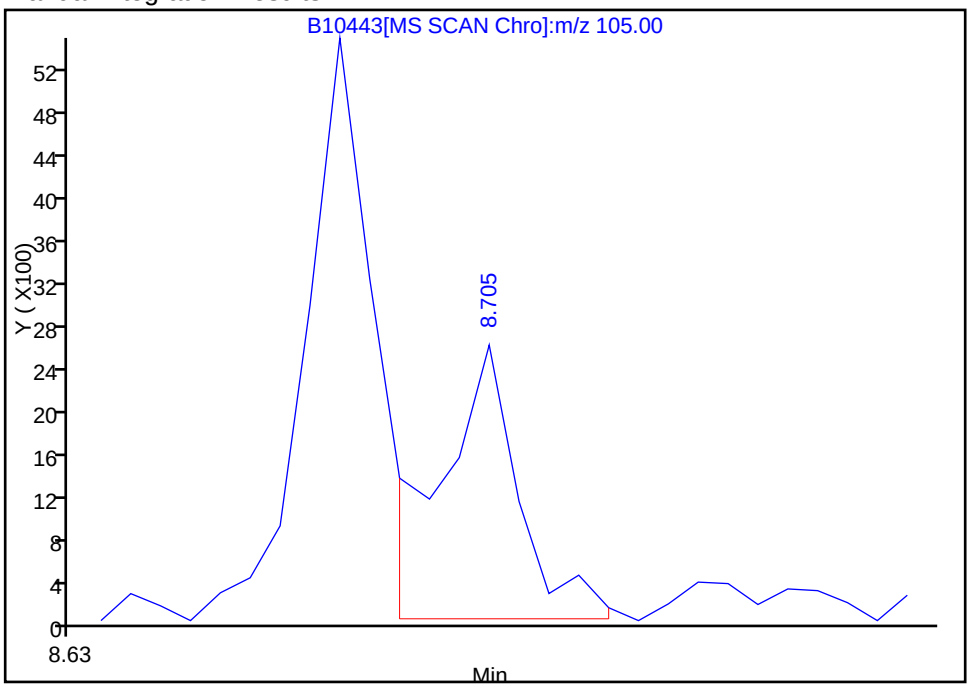
Processing Integration Results

RT: 8.74
Response: 293
Amount: 1.000000



Manual Integration Results

RT: 8.70
Response: 2416
Amount: 1.000000



Reviewer: sullivanp, 22-Sep-2009 10:44:59
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10444.D		
Lims ID:	std2.5	Client ID:	
Inject. Date:	21-Sep-2009 17:58:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	std25		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49265	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:45:58	Calib Date:	21-Sep-2009 17:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10444.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:45:58

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.900	7.903	-0.003	438645	2.00	
* 2 Naphthalene-d8	136	9.030	9.033	-0.003	1073015	2.00	
* 3 Acenaphthene-d10	164	10.535	10.533	0.002	463018	2.00	
* 4 Phenanthrene-d10	188	11.800	11.803	-0.003	746244	2.00	
* 5 Chrysene-d12	240	15.397	15.400	-0.003	434594	2.00	
* 6 Perylene-d12	264	17.840	17.842	-0.002	237394	2.00	
$ 7 2-Fluorophenol	112	6.630	6.633	-0.003	327381	2.65	
$ 8 Phenol-d5	99	7.520	7.523	-0.003	400524	2.73	
$ 9 Nitrobenzene-d5	82	8.390	8.393	-0.003	385960	2.67	
$ 10 2-Fluorobiphenyl	172	9.924	9.927	-0.003	796621	2.63	
$ 11 2,4,6-Tribromophenol	330	11.204	11.202	0.002	63345	2.74	
$ 12 Terphenyl-d14	244	13.425	13.428	-0.003	535886	2.56	
14 1,4-Dioxane	88	4.351	4.349	0.002	125233	2.73	
15 N-Nitrosodimethylamine	42	4.928	4.926	0.002	225921	2.61	
16 Pyridine	79	4.967	4.960	0.007	279336	2.67	
17 Benzaldehyde	105	7.506	7.504	0.002	222117	2.63	
18 Phenol	94	7.534	7.537	-0.003	406650	2.60	
19 Aniline	93	7.597	7.595	0.002	494145	2.61	
20 Bis(2-chloroethyl)ether	93	7.635	7.633	0.002	323929	2.46	
21 2-Chlorophenol	128	7.708	7.710	-0.002	348265	2.59	
22 1,4-Dichlorobenzene	146	7.852	7.850	0.002	424989	2.46	
23 1,3-Dichlorobenzene	146	7.919	7.917	0.002	446662	2.47	
24 Benzyl alcohol	79	8.001	8.004	-0.003	273115	3.02	
25 1,2-Dichlorobenzene	146	8.059	8.061	-0.002	400103	2.39	
26 2-Methylphenol	108	8.083	8.085	-0.002	312564	2.63	
27 2,2'-oxybis[1-chloropropane]	45	8.116	8.114	0.002	600944	2.48	
28 3 & 4 Methylphenol	108	8.212	8.215	-0.003	323829	2.60	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.232	8.234	-0.002	235132	2.70	
30 Acetophenone	105	8.246	8.249	-0.003	453571	2.56	
31 Hexachloroethane	117	8.366	8.364	0.002	153424	2.57	
32 Nitrobenzene	77	8.410	8.412	-0.002	380927	2.67	
33 Isophorone	82	8.607	8.605	0.002	620481	2.74	
35 2,4-Dimethylphenol	107	8.679	8.682	-0.003	345816	2.64	
34 2-Nitrophenol	139	8.689	8.687	0.003	189214	2.83	
36 Benzoic acid	105	8.713	8.713	0.000	31413	2.50	5
37 Bis(2-chloroethoxy)methane	93	8.765	8.763	0.002	363599	2.50	
38 2,4-Dichlorophenol	162	8.891	8.888	0.003	279438	2.63	
39 1,2,4-Trichlorobenzene	180	8.972	8.970	0.002	329203	2.44	
40 Alpha-Terpineol	59	9.020	9.018	0.002	308980	2.65	
41 Naphthalene	128	9.049	9.052	-0.003	1107574	2.44	
42 4-Chloroaniline	127	9.068	9.071	-0.003	444797	2.51	
43 Hexachlorobutadiene	225	9.136	9.134	0.002	165419	2.45	
44 Caprolactam	55	9.352	9.360	-0.008	138603	2.72	
45 4-Chloro-3-methylphenol	107	9.448	9.451	-0.003	280295	2.76	
46 2-Methylnaphthalene	142	9.636	9.634	0.002	726241	2.51	
47 1-Methylnaphthalene	142	9.727	9.725	0.002	708838	2.51	
48 Hexachlorocyclopentadiene	237	9.766	9.764	0.002	122303	2.63	
49 1,2,4,5-Tetrachlorobenzene	216	9.780	9.778	0.002	282712	2.48	
50 2,4,6-Trichlorophenol	196	9.862	9.860	0.002	185998	2.99	
51 2,4,5-Trichlorophenol	196	9.896	9.898	-0.002	192322	2.93	
52 1,1'-Biphenyl	154	10.021	10.023	-0.002	841035	2.60	
53 2-Chloronaphthalene	162	10.059	10.062	-0.003	810231	2.77	
54 Phenyl ether	170	10.102	10.100	0.002	448465	2.45	
68 4-Nitroaniline	138	10.122	10.124	-0.002	211909	2.68	
56 Dimethyl phthalate	163	10.237	10.240	-0.003	756300	2.71	
57 2,6-Dinitrotoluene	165	10.309	10.312	-0.003	173343	2.92	
58 Acenaphthylene	152	10.420	10.422	-0.002	1039146	2.77	
59 3-Nitroaniline	138	10.463	10.466	-0.003	162524	2.95	
60 2,4-Dinitrophenol	184	10.550	10.552	-0.002	31399	2.28	
61 Acenaphthene	153	10.564	10.562	0.002	699440	2.65	
62 4-Nitrophenol	109	10.559	10.562	-0.003	82110	2.58	
63 2,4-Dinitrotoluene	165	10.655	10.658	-0.003	210274	2.71	
64 Dibenzofuran	168	10.703	10.706	-0.003	923029	2.64	
65 2,3,4,6-Tetrachlorophenol	232	10.795	10.793	0.002	133477	2.64	
66 Diethyl phthalate	149	10.824	10.826	-0.002	754868	2.65	
67 4-Chlorophenyl phenyl ether	204	10.963	10.966	-0.003	335166	2.66	
55 2-Nitroaniline	65	10.982	10.985	-0.003	183077	2.71	
69 Fluorene	166	10.997	11.000	-0.003	776596	2.73	
70 4,6-Dinitro-2-methylphenol	198	11.002	11.004	-0.002	63627	2.41	
71 Diphenylamine	169	11.059	11.057	0.002	650673	2.78	
72 N-Nitrosodiphenylamine	169	11.059	11.057	0.002	650673	2.78	
74 Azobenzene	77	11.103	11.101	0.002	1235674	2.89	
73 1,2-Diphenylhydrazine	77	11.103	11.101	0.002	1235674	2.89	
13 Benzophenone	105	11.112	11.110	0.002	717087	2.88	
75 4-Bromophenyl phenyl ether	248	11.386	11.384	0.002	170922	2.57	
77 Atrazine	200	11.468	11.471	-0.003	197619	3.00	
76 Hexachlorobenzene	284	11.473	11.471	0.002	171497	2.67	
78 Pentachlorophenol	266	11.622	11.625	-0.003	59605	2.42	
79 Pentachloronitrobenzene	237	11.636	11.634	0.002	74453	3.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.824	11.822	0.002	1007808	2.61	
81 Anthracene	178	11.867	11.865	0.002	968171	2.76	
83 Carbazole	167	11.983	11.981	0.002	828357	2.77	
84 Di-n-butyl phthalate	149	12.204	12.207	-0.003	1168450	2.53	
87 Fluoranthene	202	13.002	13.000	0.002	886788	2.77	
86 Benzidine	184	13.103	13.101	0.002	151233	2.67	
85 Pyrene	202	13.305	13.303	0.002	921425	2.54	
89 Butyl benzyl phthalate	149	14.142	14.145	-0.002	404324	2.90	
92 Bis(2-ethylhexyl) phthalate	149	15.281	15.284	-0.003	495696	2.52	
91 3,3'-Dichlorobenzidine	252	15.286	15.286	0.000	147042	2.63	
93 Benzo[a]anthracene	228	15.378	15.380	-0.002	514948	2.78	
94 Chrysene	228	15.445	15.448	-0.003	488001	2.62	
95 Di-n-octyl phthalate	149	16.335	16.337	-0.002	670593	2.45	
97 Benzo[b]fluoranthene	252	17.123	17.121	0.002	379206	2.66	
98 Benzo[k]fluoranthene	252	17.166	17.169	-0.003	356999	2.76	
99 Benzo[a]pyrene	252	17.734	17.737	-0.003	259661	2.83	
100 Indeno[1,2,3-cd]pyrene	276	20.268	20.276	-0.008	196799	2.62	
101 Dibenz(a,h)anthracene	278	20.302	20.295	0.007	157490	2.60	
102 Benzo[g,h,i]perylene	276	20.999	21.002	-0.003	169094	2.70	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 22-Sep-2009 10:45:59 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10444.D

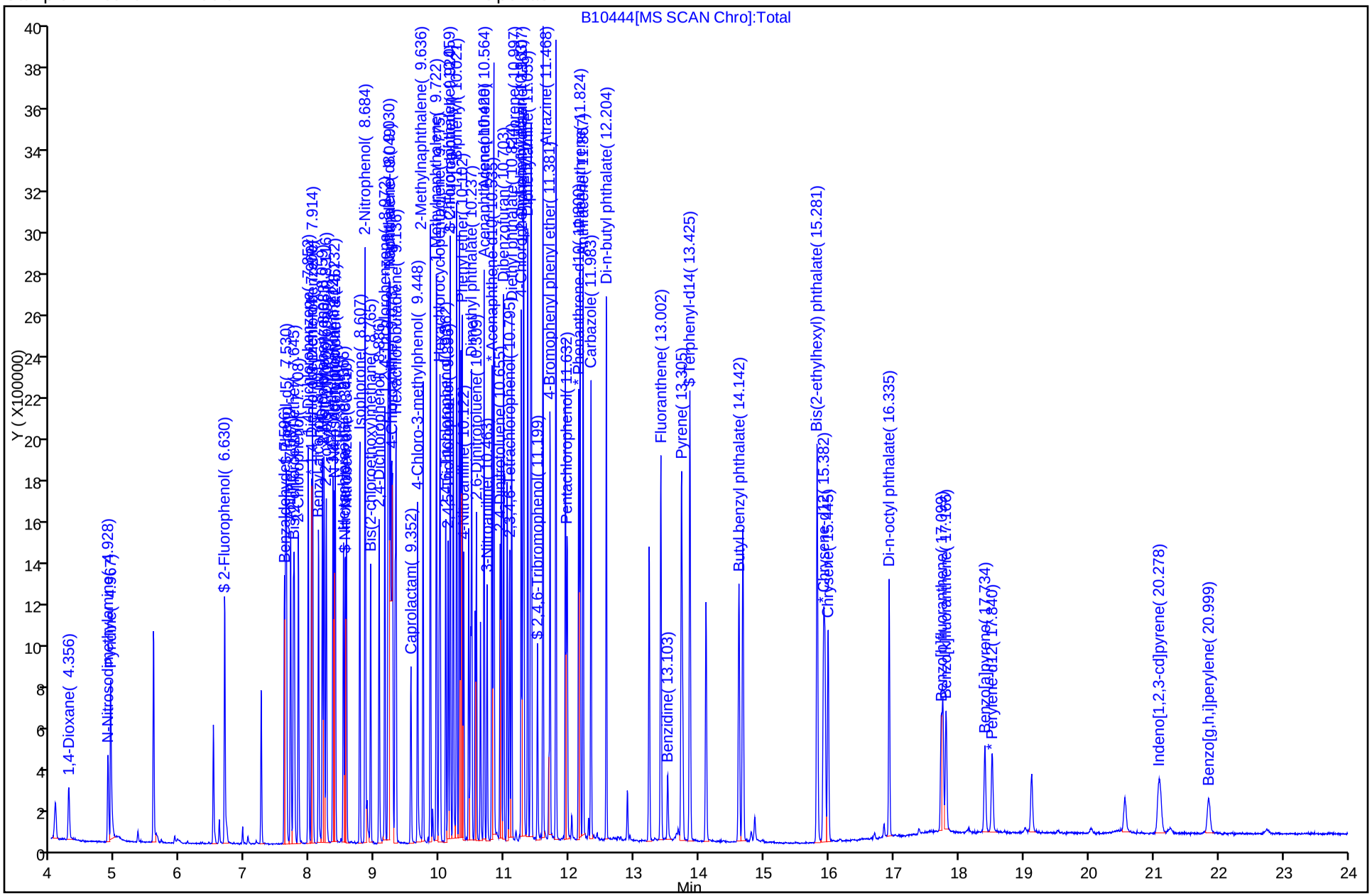
Inj Date: 21-Sep-2009 17:58:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 7

Client ID: Instrument: Inst. B

Sample Info: std25

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10445.D		
Lims ID:	std8	Client ID:	
Inject. Date:	21-Sep-2009 18:29:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	std8		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49265	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:51:11	Calib Date:	21-Sep-2009 18:29:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10445.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:51:11

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.903	-0.001	648939	2.00	
* 2 Naphthalene-d8	136	9.032	9.033	-0.001	1654636	2.00	
* 3 Acenaphthene-d10	164	10.537	10.533	0.004	553097	2.00	
* 4 Phenanthrene-d10	188	11.802	11.803	-0.001	919364	2.00	
* 5 Chrysene-d12	240	15.404	15.400	0.004	584779	2.00	
* 6 Perylene-d12	264	17.842	17.842	0.000	329496	2.00	
$ 7 2-Fluorophenol	112	6.637	6.633	0.004	1279557	7.13	
$ 8 Phenol-d5	99	7.527	7.523	0.004	1594020	7.44	
$ 9 Nitrobenzene-d5	82	8.397	8.393	0.004	1503929	6.91	
$ 10 2-Fluorobiphenyl	172	9.926	9.927	-0.001	3132573	8.56	5
$ 11 2,4,6-Tribromophenol	330	11.205	11.202	0.003	275350	8.37	5
$ 12 Terphenyl-d14	244	13.427	13.428	-0.001	2289546	8.11	5
14 1,4-Dioxane	88	4.372	4.349	0.023	438599	7.82	
15 N-Nitrosodimethylamine	42	4.940	4.926	0.014	874922	6.98	
16 Pyridine	79	4.968	4.960	0.008	1191266	8.12	5
17 Benzaldehyde	105	7.507	7.504	0.003	876528	7.14	
18 Phenol	94	7.541	7.537	0.004	1629249	7.17	
19 Aniline	93	7.599	7.595	0.004	1947218	7.08	
20 Bis(2-chloroethyl)ether	93	7.637	7.633	0.004	1285249	6.76	5
21 2-Chlorophenol	128	7.714	7.710	0.004	1383900	7.09	
22 1,4-Dichlorobenzene	146	7.854	7.850	0.004	1660157	6.69	
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	1733752	6.67	
24 Benzyl alcohol	79	8.008	8.004	0.004	1160893	8.58	5
25 1,2-Dichlorobenzene	146	8.061	8.061	-0.001	1580661	6.57	
26 2-Methylphenol	108	8.089	8.085	0.004	1284317	7.40	
27 2,2'-oxybis[1-chloropropane]	45	8.118	8.114	0.004	2272687	6.53	
28 3 & 4 Methylphenol	108	8.219	8.215	0.004	1319022	7.26	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.238	8.234	0.004	995155	7.77	
30 Acetophenone	105	8.253	8.249	0.004	1837007	7.14	
31 Hexachloroethane	117	8.368	8.364	0.004	606803	7.02	
32 Nitrobenzene	77	8.412	8.412	0.000	1489968	6.92	
33 Isophorone	82	8.609	8.605	0.004	2516384	7.32	
35 2,4-Dimethylphenol	107	8.686	8.682	0.004	1444088	7.26	
34 2-Nitrophenol	139	8.690	8.687	0.004	825782	8.00	
36 Benzoic acid	105	8.743	8.705	0.038	503862	7.97	
37 Bis(2-chloroethoxy)methane	93	8.767	8.763	0.004	1448985	6.64	
38 2,4-Dichlorophenol	162	8.892	8.888	0.004	1144036	7.11	
39 1,2,4-Trichlorobenzene	180	8.974	8.970	0.004	1290408	6.41	
40 Alpha-Terpineol	59	9.022	9.018	0.004	1275530	7.22	
41 Naphthalene	128	9.051	9.052	-0.001	4257495	6.29	
42 4-Chloroaniline	127	9.075	9.071	0.004	1787557	6.72	
43 Hexachlorobutadiene	225	9.138	9.134	0.004	676247	6.67	
44 Caprolactam	55	9.373	9.360	0.013	600505	8.62	5
45 4-Chloro-3-methylphenol	107	9.455	9.451	0.004	1165703	7.53	
46 2-Methylnaphthalene	142	9.638	9.634	0.004	2889065	6.67	
47 1-Methylnaphthalene	142	9.724	9.725	-0.001	2807107	6.63	
48 Hexachlorocyclopentadiene	237	9.763	9.764	-0.001	564907	8.05	5
49 1,2,4,5-Tetrachlorobenzene	216	9.782	9.778	0.004	1150930	6.71	
50 2,4,6-Trichlorophenol	196	9.864	9.860	0.004	775509	8.59	5
51 2,4,5-Trichlorophenol	196	9.897	9.898	-0.001	824170	10.1	5
52 1,1'-Biphenyl	154	10.022	10.023	-0.001	3284802	8.43	5
53 2-Chloronaphthalene	162	10.061	10.062	-0.001	3161868	8.88	5
54 Phenyl ether	170	10.104	10.100	0.004	1850896	6.72	
68 4-Nitroaniline	138	10.128	10.124	0.004	901512	8.64	5
56 Dimethyl phthalate	163	10.244	10.240	0.004	2980269	8.79	5
57 2,6-Dinitrotoluene	165	10.311	10.312	-0.001	708661	9.64	5
58 Acenaphthylene	152	10.422	10.422	0.000	4138038	9.04	5
59 3-Nitroaniline	138	10.470	10.466	0.004	697260	8.66	5
60 2,4-Dinitrophenol	184	10.551	10.552	-0.001	243919	8.01	5
61 Acenaphthene	153	10.566	10.562	0.004	2842915	8.86	5
62 4-Nitrophenol	109	10.566	10.562	0.004	416505	8.03	5
63 2,4-Dinitrotoluene	165	10.657	10.658	-0.001	899942	8.38	5
64 Dibenzofuran	168	10.710	10.706	0.004	3652050	8.63	5
65 2,3,4,6-Tetrachlorophenol	232	10.797	10.793	0.004	613295	8.05	5
66 Diethyl phthalate	149	10.826	10.826	0.000	3060104	8.85	5
67 4-Chlorophenyl phenyl ether	204	10.965	10.966	-0.001	1370313	8.93	5
55 2-Nitroaniline	65	10.994	10.985	0.009	820484	8.06	5
69 Fluorene	166	10.999	11.000	-0.001	3196669	9.17	5
70 4,6-Dinitro-2-methylphenol	198	11.008	11.004	0.004	411300	8.02	5
71 Diphenylamine	169	11.061	11.057	0.004	2648570	8.98	5
72 N-Nitrosodiphenylamine	169	11.061	11.057	0.004	2648570	8.98	5
74 Azobenzene	77	11.104	11.101	0.003	4865630	9.04	5
73 1,2-Diphenylhydrazine	77	11.104	11.101	0.003	4865630	9.04	5
13 Benzophenone	105	11.114	11.110	0.004	3064364	9.65	5
75 4-Bromophenyl phenyl ether	248	11.388	11.384	0.004	721205	8.68	5
77 Atrazine	200	11.475	11.471	0.004	829953	8.50	5
76 Hexachlorobenzene	284	11.475	11.471	0.004	686133	8.56	5
78 Pentachlorophenol	266	11.624	11.625	-0.001	365216	8.02	5
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	324082	8.63	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.826	11.822	0.004	4025006	8.39	5
81 Anthracene	178	11.869	11.865	0.004	3980127	9.02	5
83 Carbazole	167	11.984	11.981	0.003	3265563	8.74	5
84 Di-n-butyl phthalate	149	12.206	12.207	-0.001	4690003	8.21	5
87 Fluoranthene	202	13.004	13.000	0.004	3642430	9.04	5
86 Benzidine	184	13.105	13.101	0.004	775957	8.08	5
85 Pyrene	202	13.307	13.303	0.004	3803173	7.83	
89 Butyl benzyl phthalate	149	14.144	14.145	0.000	1790833	9.29	5
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.284	-0.001	2369029	8.39	5
91 3,3'-Dichlorobenzidine	252	15.288	15.291	-0.003	732423	8.32	5
93 Benzo[a]anthracene	228	15.384	15.380	0.004	2275030	8.94	5
94 Chrysene	228	15.452	15.448	0.004	2139586	8.47	5
95 Di-n-octyl phthalate	149	16.336	16.337	-0.001	3240103	8.24	5
97 Benzo[b]fluoranthene	252	17.130	17.121	0.009	1695958	8.48	5
98 Benzo[k]fluoranthene	252	17.173	17.169	0.004	1581623	8.68	5
99 Benzo[a]pyrene	252	17.736	17.737	-0.001	1273232	9.65	5
100 Indeno[1,2,3-cd]pyrene	276	20.275	20.276	-0.001	971352	8.60	5
101 Dibenz(a,h)anthracene	278	20.304	20.295	0.009	800166	8.70	5
102 Benzo[g,h,i]perylene	276	21.015	21.002	0.013	789006	8.55	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 22-Sep-2009 10:51:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10445.D

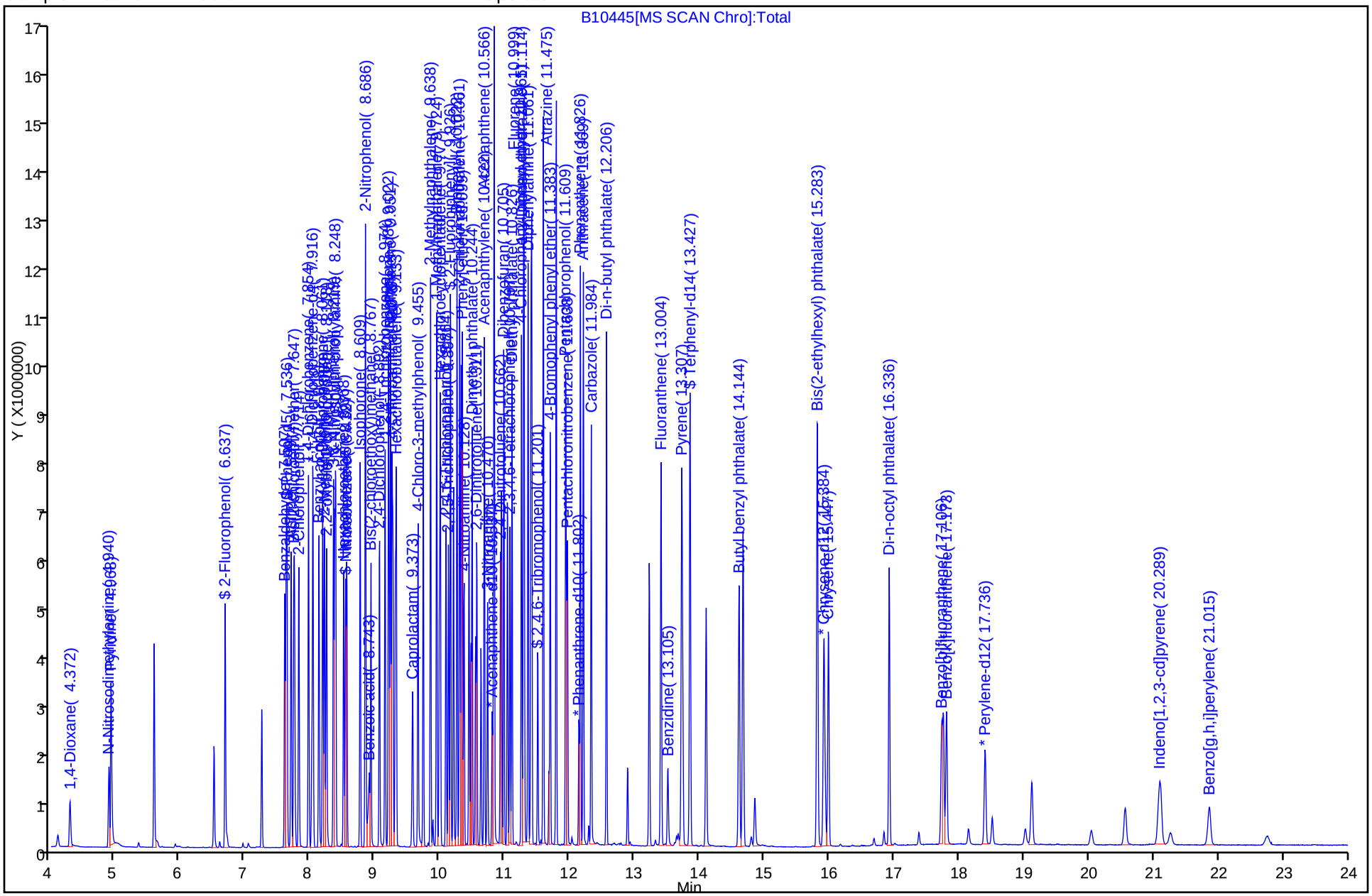
Inj Date: 21-Sep-2009 18:29:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: std8

Sample Amount: 1.00 ul Operator: MZ

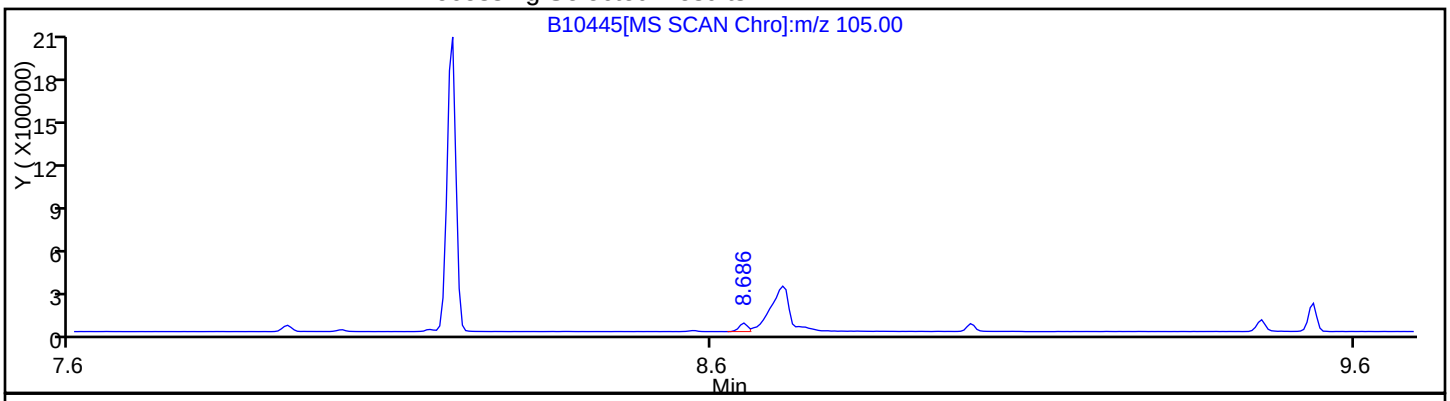


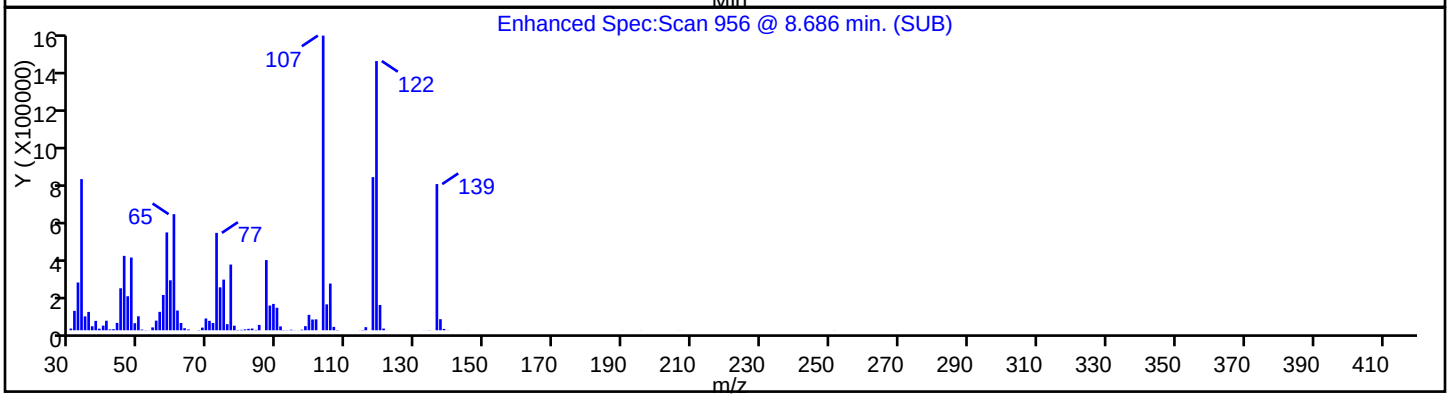
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10445.D		
Inj Date:	21-Sep-2009 18:29:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	8
Client ID:		Instrument:	Inst. B
Sample Info:	std8		
Sample Amount:	1.00 ul	Operator:	MZ

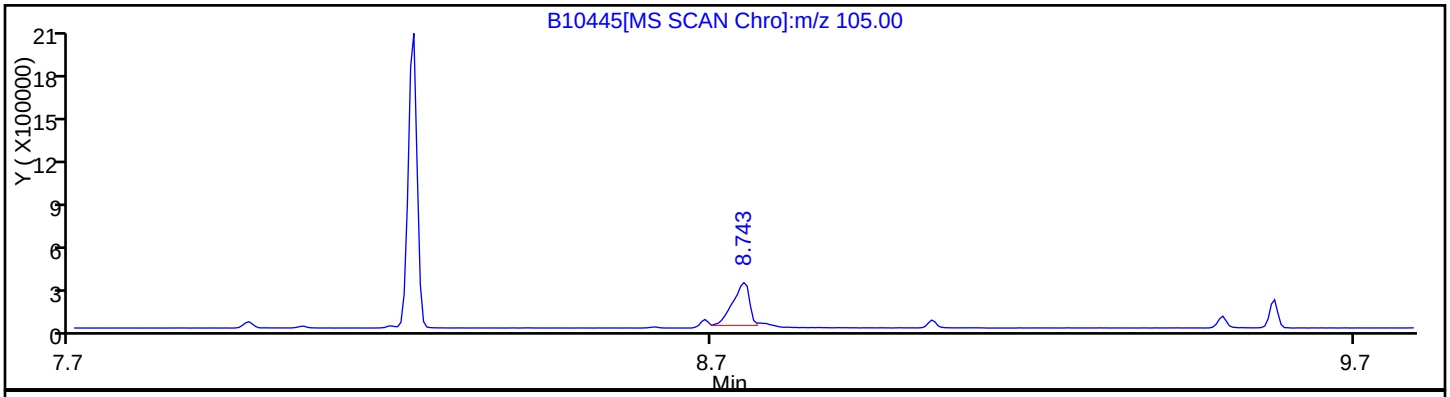
36 Benzoic acid

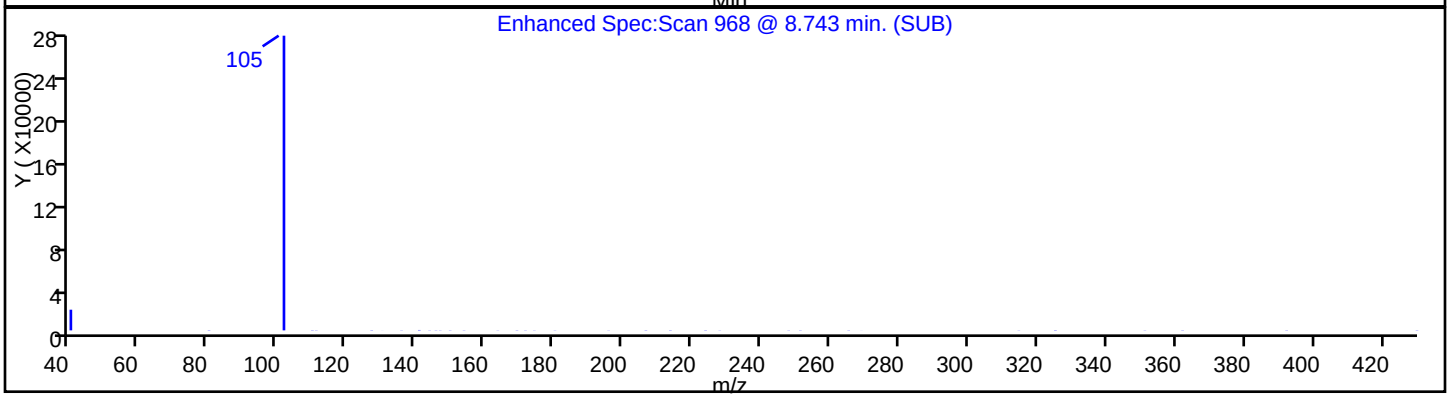
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 22-Sep-2009 10:51:11
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D		
Lims ID:	std10	Client ID:	
Inject. Date:	21-Sep-2009 19:00:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	std10		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49265	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 10:52:01	Calib Date:	21-Sep-2009 19:00:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 10:52:01

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	7.902	7.903	-0.001	559436	2.00	
* 2 Naphthalene-d8	136	9.032	9.033	-0.001	1425811	2.00	
* 3 Acenaphthene-d10	164	10.537	10.533	0.004	460518	2.00	
* 4 Phenanthrene-d10	188	11.802	11.803	-0.001	763274	2.00	
* 5 Chrysene-d12	240	15.404	15.400	0.004	488493	2.00	
* 6 Perylene-d12	264	17.842	17.842	0.000	275153	2.00	
$ 7 2-Fluorophenol	112	6.632	6.633	-0.001	1284616	8.49	
$ 8 Phenol-d5	99	7.527	7.523	0.004	1576994	8.70	
$ 9 Nitrobenzene-d5	82	8.397	8.393	0.004	1480163	8.10	
$ 10 2-Fluorobiphenyl	172	9.931	9.927	0.004	3069374	10.1	5
$ 11 2,4,6-Tribromophenol	330	11.206	11.202	0.004	269932	10.2	5
$ 12 Terphenyl-d14	244	13.427	13.428	-0.001	2236869	9.55	
14 1,4-Dioxane	88	4.348	4.349	-0.001	425323	9.93	
15 N-Nitrosodimethylamine	42	4.930	4.926	0.004	850967	8.09	
16 Pyridine	79	4.959	4.960	-0.001	1177405	9.42	
17 Benzaldehyde	105	7.508	7.504	0.004	871122	8.42	
18 Phenol	94	7.541	7.537	0.004	1607327	8.40	
19 Aniline	93	7.599	7.595	0.004	1902246	8.22	
20 Bis(2-chloroethyl)ether	93	7.637	7.633	0.004	1278568	8.03	5
21 2-Chlorophenol	128	7.710	7.710	0.000	1372113	8.35	
22 1,4-Dichlorobenzene	146	7.854	7.850	0.004	1626464	7.83	
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	1694960	7.80	
24 Benzyl alcohol	79	8.008	8.004	0.004	1138644	9.79	
25 1,2-Dichlorobenzene	146	8.061	8.061	0.000	1548790	9.19	
26 2-Methylphenol	108	8.085	8.085	0.000	1232717	8.42	
27 2,2'-oxybis[1-chloropropane]	45	8.118	8.114	0.004	2226706	7.67	
28 3 & 4 Methylphenol	108	8.219	8.215	0.004	1295161	8.45	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.238	8.234	0.004	959407	8.84	
30 Acetophenone	105	8.248	8.249	-0.001	1798087	8.31	
31 Hexachloroethane	117	8.368	8.364	0.004	599438	8.24	
32 Nitrobenzene	77	8.412	8.412	0.000	1456311	8.07	
33 Isophorone	82	8.609	8.605	0.004	2482165	8.55	
35 2,4-Dimethylphenol	107	8.686	8.682	0.004	1398281	8.35	
34 2-Nitrophenol	139	8.691	8.687	0.005	801499	9.12	
36 Benzoic acid	105	8.743	8.705	0.038	535980	9.94	
37 Bis(2-chloroethoxy)methane	93	8.767	8.763	0.004	1411977	7.75	
38 2,4-Dichlorophenol	162	8.892	8.888	0.004	1107747	8.19	
39 1,2,4-Trichlorobenzene	180	8.974	8.970	0.004	1279849	9.56	
40 Alpha-Terpineol	59	9.022	9.018	0.004	1245422	8.37	
41 Naphthalene	128	9.051	9.052	-0.001	4187994	9.50	
42 4-Chloroaniline	127	9.075	9.071	0.004	1772669	7.96	
43 Hexachlorobutadiene	225	9.138	9.134	0.004	666695	7.86	
44 Caprolactam	55	9.373	9.360	0.013	589047	9.83	
45 4-Chloro-3-methylphenol	107	9.455	9.451	0.004	1154212	8.80	
46 2-Methylnaphthalene	142	9.638	9.634	0.004	2805691	7.75	
47 1-Methylnaphthalene	142	9.729	9.725	0.004	2744671	7.77	
48 Hexachlorocyclopentadiene	237	9.768	9.764	0.004	530563	10.0	5
49 1,2,4,5-Tetrachlorobenzene	216	9.782	9.778	0.004	1125416	7.85	
50 2,4,6-Trichlorophenol	196	9.864	9.860	0.004	763205	10.7	5
51 2,4,5-Trichlorophenol	196	9.898	9.898	0.000	804256	11.5	5
52 1,1'-Biphenyl	154	10.023	10.023	0.000	3234972	9.97	
53 2-Chloronaphthalene	162	10.061	10.062	-0.001	3082209	10.3	5
54 Phenyl ether	170	10.104	10.100	0.004	1812701	7.87	
68 4-Nitroaniline	138	10.128	10.124	0.004	885807	10.1	5
56 Dimethyl phthalate	163	10.244	10.240	0.004	2944939	10.4	5
57 2,6-Dinitrotoluene	165	10.316	10.312	0.004	686277	11.0	5
58 Acenaphthylene	152	10.422	10.422	0.000	4082534	10.6	5
59 3-Nitroaniline	138	10.470	10.466	0.004	681595	10.7	5
60 2,4-Dinitrophenol	184	10.552	10.552	0.000	235679	13.7	5
61 Acenaphthene	153	10.566	10.562	0.004	2826177	10.5	5
62 4-Nitrophenol	109	10.566	10.562	0.004	418066	10.2	5
63 2,4-Dinitrotoluene	165	10.662	10.658	0.004	898979	10.3	5
64 Dibenzofuran	168	10.710	10.706	0.004	3569484	10.1	5
65 2,3,4,6-Tetrachlorophenol	232	10.797	10.793	0.004	572237	9.96	5
66 Diethyl phthalate	149	10.826	10.826	0.000	3023115	10.4	5
67 4-Chlorophenyl phenyl ether	204	10.965	10.966	-0.001	1361202	10.6	5
55 2-Nitroaniline	65	10.994	10.985	0.009	798264	10.2	5
69 Fluorene	166	10.999	11.000	-0.001	3199989	10.9	5
70 4,6-Dinitro-2-methylphenol	198	11.008	11.004	0.004	391249	14.5	5
71 Diphenylamine	169	11.061	11.057	0.004	2617004	10.6	5
72 N-Nitrosodiphenylamine	169	11.061	11.057	0.004	2617004	10.6	5
74 Azobenzene	77	11.105	11.101	0.004	4874816	10.8	5
73 1,2-Diphenylhydrazine	77	11.105	11.101	0.004	4874816	10.8	5
13 Benzophenone	105	11.114	11.110	0.004	3015672	11.2	5
75 4-Bromophenyl phenyl ether	248	11.388	11.384	0.004	709386	10.2	5
77 Atrazine	200	11.475	11.471	0.004	828421	11.6	5
76 Hexachlorobenzene	284	11.475	11.471	0.004	678656	10.2	5
78 Pentachlorophenol	266	11.624	11.625	-0.001	354187	9.87	
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	321191	10.2	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.826	11.822	0.004	3967800	9.97	
81 Anthracene	178	11.869	11.865	0.004	3930513	10.6	5
83 Carbazole	167	11.985	11.981	0.004	3177795	10.2	5
84 Di-n-butyl phthalate	149	12.211	12.207	0.004	4596634	9.73	
87 Fluoranthene	202	13.004	13.000	0.004	3611156	10.7	5
86 Benzidine	184	13.105	13.101	0.004	866566	9.93	
85 Pyrene	202	13.307	13.303	0.004	3747940	9.32	
89 Butyl benzyl phthalate	149	14.144	14.145	0.000	1768565	10.8	5
92 Bis(2-ethylhexyl) phthalate	149	15.283	15.284	-0.001	2324115	9.90	
91 3,3'-Dichlorobenzidine	252	15.293	15.291	0.002	715117	10.1	5
93 Benzo[a]anthracene	228	15.384	15.380	0.004	2244007	10.5	5
94 Chrysene	228	15.452	15.448	0.004	2111431	10.0	5
95 Di-n-octyl phthalate	149	16.337	16.337	-0.001	3172594	9.78	
97 Benzo[b]fluoranthene	252	17.130	17.121	0.009	1694446	10.1	5
98 Benzo[k]fluoranthene	252	17.173	17.169	0.004	1592945	10.4	5
99 Benzo[a]pyrene	252	17.736	17.737	-0.001	1282761	11.4	5
100 Indeno[1,2,3-cd]pyrene	276	20.275	20.276	-0.001	1026776	10.5	5
101 Dibenz(a,h)anthracene	278	20.304	20.295	0.009	841357	11.2	5
102 Benzo[g,h,i]perylene	276	21.011	21.002	0.009	808560	10.3	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 22-Sep-2009 10:52:02 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D

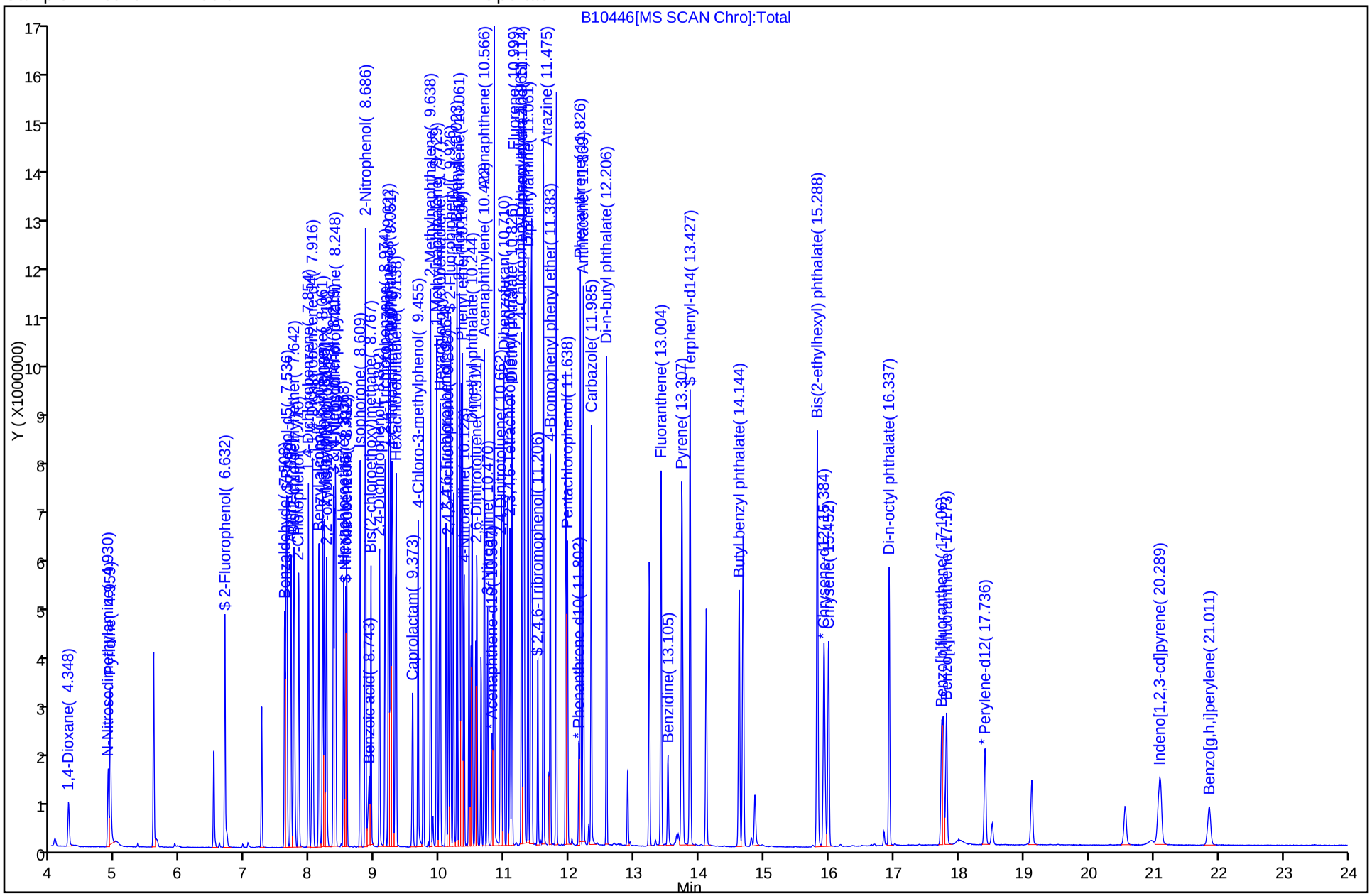
Inj Date: 21-Sep-2009 19:00:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: std10

Sample Amount: 1.00 ul Operator: MZ

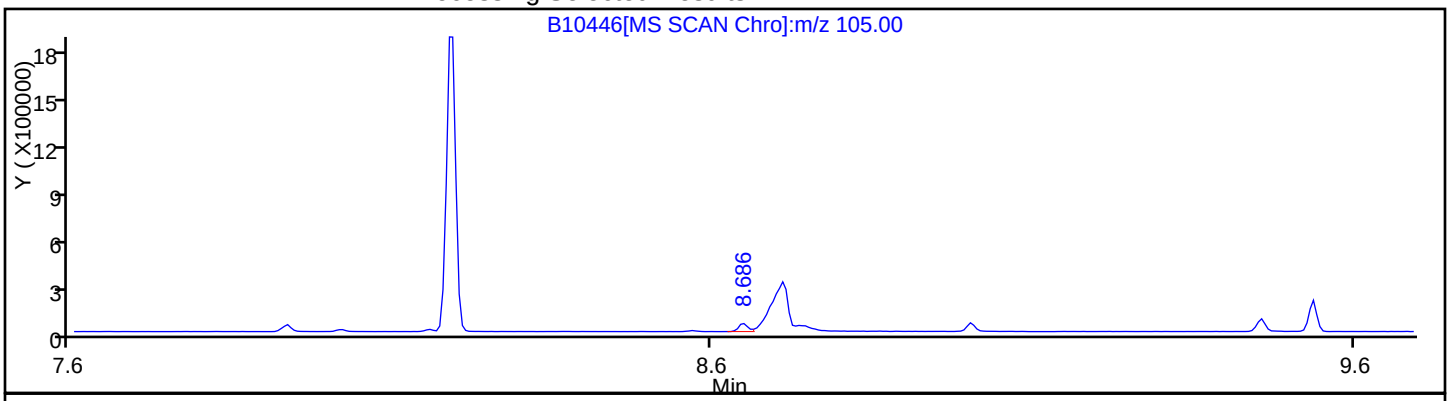


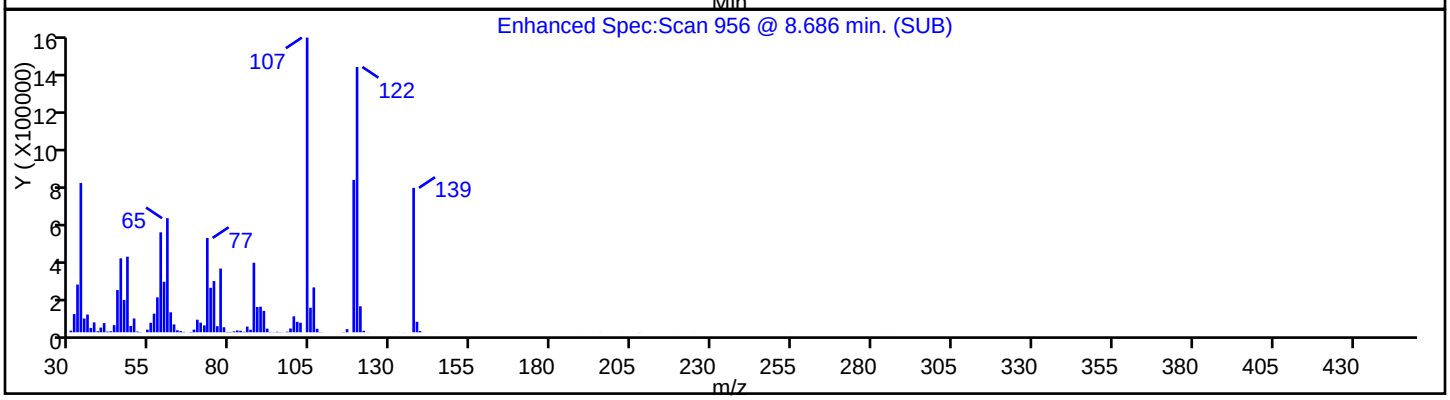
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D		
Inj Date:	21-Sep-2009 19:00:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	9
Client ID:		Instrument:	Inst. B
Sample Info:	std10		
Sample Amount:	1.00 ul	Operator:	MZ

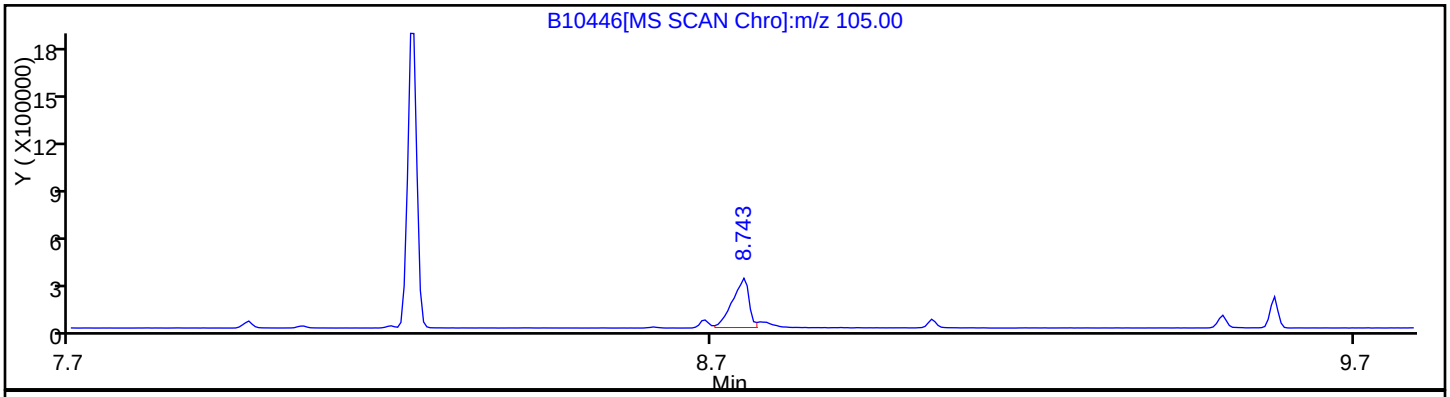
36 Benzoic acid

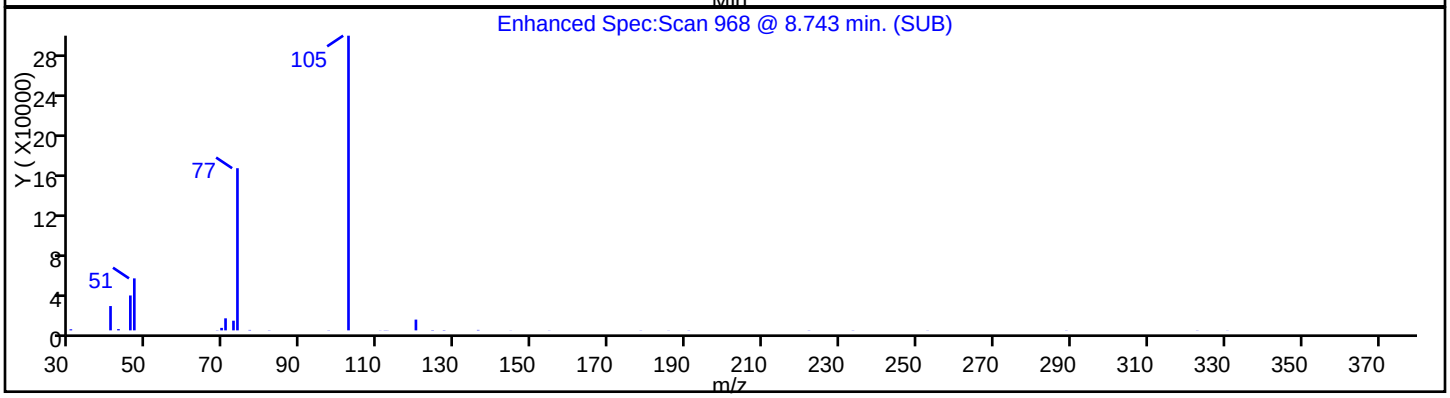
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 22-Sep-2009 10:52:01
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Lims ID:	std20	Client ID:	
Inject. Date:	21-Sep-2009 19:31:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	std20		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49265	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:00:14	Calib Date:	21-Sep-2009 19:00:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10446.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:00:19

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.901	7.903	-0.002	303978	2.00	
* 2 Naphthalene-d8	136	9.031	9.033	-0.002	1833958	2.00	
* 3 Acenaphthene-d10	164	10.536	10.533	0.003	413583	2.00	
* 4 Phenanthrene-d10	188	11.806	11.803	0.003	688918	2.00	
* 5 Chrysene-d12	240	15.408	15.400	0.008	496823	2.00	
* 6 Perylene-d12	264	17.846	17.842	0.004	259952	2.00	
$ 7 2-Fluorophenol	112	6.632	6.633	-0.001	2244693	26.2	5
$ 8 Phenol-d5	99	7.531	7.523	0.008	2996407	30.4	5
$ 9 Nitrobenzene-d5	82	8.397	8.393	0.004	2790138	11.9	5
$ 10 2-Fluorobiphenyl	172	9.931	9.927	0.004	5379312	19.7	
$ 11 2,4,6-Tribromophenol	330	11.210	11.202	0.008	541127	21.3	5
$ 12 Terphenyl-d14	244	13.431	13.428	0.003	4457120	18.8	
14 1,4-Dioxane	88	4.333	4.349	-0.016	764598	20.1	5
15 N-Nitrosodimethylamine	42	4.925	4.926	-0.001	1525979	25.8	5
16 Pyridine	79	4.949	4.960	-0.011	2154110	31.7	5
17 Benzaldehyde	105	7.507	7.504	0.003	1629225	29.0	5
18 Phenol	94	7.545	7.537	0.008	3069188	29.5	5
19 Aniline	93	7.603	7.595	0.008	3583713	28.5	5
20 Bis(2-chloroethyl)ether	93	7.642	7.633	0.009	2429189	28.1	5
21 2-Chlorophenol	128	7.714	7.710	0.004	2576811	28.9	5
22 1,4-Dichlorobenzene	146	7.853	7.850	0.003	3047616	27.0	5
23 1,3-Dichlorobenzene	146	7.916	7.917	-0.001	3164448	26.8	5
24 Benzyl alcohol	79	8.007	8.004	0.003	2150923	34.0	5
25 1,2-Dichlorobenzene	146	8.060	8.061	-0.001	2872067	31.6	5
26 2-Methylphenol	108	8.089	8.085	0.004	2363076	29.7	5
27 2,2'-oxybis[1-chloropropane]	45	8.118	8.114	0.004	4044235	25.6	5
28 3 & 4 Methylphenol	108	8.223	8.215	0.008	2462606	29.6	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	8.243	8.234	0.009	1854363	31.4	5
30 Acetophenone	105	8.252	8.249	0.003	3468256	29.5	5
31 Hexachloroethane	117	8.368	8.364	0.004	1136274	28.8	5
32 Nitrobenzene	77	8.416	8.412	0.004	2754739	11.9	5
33 Isophorone	82	8.613	8.605	0.008	4550172	12.2	5
35 2,4-Dimethylphenol	107	8.685	8.682	0.003	2649312	12.3	5
34 2-Nitrophenol	139	8.690	8.687	0.004	1547647	14.2	
36 Benzoic acid	105	8.767	8.705	0.062	1514189	20.4	5
37 Bis(2-chloroethoxy)methane	93	8.772	8.763	0.009	2734191	11.7	5
38 2,4-Dichlorophenol	162	8.892	8.888	0.004	2124104	12.2	5
39 1,2,4-Trichlorobenzene	180	8.974	8.970	0.004	2386399	20.1	5
40 Alpha-Terpineol	59	9.027	9.018	0.009	2327553	12.2	5
41 Naphthalene	128	9.055	9.052	0.003	6792310	12.1	5
42 4-Chloroaniline	127	9.079	9.071	0.008	3245880	11.3	5
43 Hexachlorobutadiene	225	9.137	9.134	0.003	1255690	11.5	5
44 Caprolactam	55	9.392	9.360	0.032	1108087	14.4	5
45 4-Chloro-3-methylphenol	107	9.459	9.451	0.008	2225390	13.7	
46 2-Methylnaphthalene	142	9.642	9.634	0.008	5015808	10.8	5
47 1-Methylnaphthalene	142	9.729	9.725	0.004	4932936	10.9	5
48 Hexachlorocyclopentadiene	237	9.767	9.764	0.003	1064701	21.2	5
49 1,2,4,5-Tetrachlorobenzene	216	9.782	9.778	0.004	2086603	11.3	5
50 2,4,6-Trichlorophenol	196	9.863	9.860	0.003	1476881	20.9	5
51 2,4,5-Trichlorophenol	196	9.902	9.898	0.004	1542511	20.8	5
52 1,1'-Biphenyl	154	10.027	10.023	0.004	5612516	19.3	
53 2-Chloronaphthalene	162	10.065	10.062	0.003	5783703	21.4	5
54 Phenyl ether	170	10.104	10.100	0.004	3382343	11.4	5
68 4-Nitroaniline	138	10.133	10.124	0.009	1705952	20.9	5
56 Dimethyl phthalate	163	10.248	10.240	0.008	5307566	20.7	5
57 2,6-Dinitrotoluene	165	10.320	10.312	0.008	1324010	23.2	5
58 Acenaphthylene	152	10.426	10.422	0.004	6871356	19.9	
59 3-Nitroaniline	138	10.474	10.466	0.008	1320454	20.9	5
60 2,4-Dinitrophenol	184	10.556	10.552	0.004	557344	20.0	
61 Acenaphthene	153	10.570	10.562	0.008	5027591	20.7	5
62 4-Nitrophenol	109	10.575	10.562	0.013	829374	21.0	5
63 2,4-Dinitrotoluene	165	10.666	10.658	0.008	1766420	21.2	5
64 Dibenzofuran	168	10.710	10.706	0.004	6135105	19.4	
65 2,3,4,6-Tetrachlorophenol	232	10.801	10.793	0.008	1163050	21.3	5
66 Diethyl phthalate	149	10.830	10.826	0.004	5365704	20.5	5
67 4-Chlorophenyl phenyl ether	204	10.969	10.966	0.003	2575079	22.0	5
55 2-Nitroaniline	65	10.998	10.985	0.013	1575216	21.2	5
69 Fluorene	166	11.003	11.000	0.003	5580689	21.0	5
70 4,6-Dinitro-2-methylphenol	198	11.013	11.004	0.009	850981	20.5	5
71 Diphenylamine	169	11.065	11.057	0.008	4767796	21.2	5
72 N-Nitrosodiphenylamine	169	11.065	11.057	0.008	4767796	21.2	5
74 Azobenzene	77	11.109	11.101	0.008	8488649	20.7	5
73 1,2-Diphenylhydrazine	77	11.109	11.101	0.008	8488649	20.7	5
13 Benzophenone	105	11.118	11.110	0.008	5552812	22.6	5
75 4-Bromophenyl phenyl ether	248	11.388	11.384	0.004	1366417	21.6	5
77 Atrazine	200	11.479	11.471	0.008	1548685	20.5	5
76 Hexachlorobenzene	284	11.474	11.471	0.003	1339489	22.0	5
78 Pentachlorophenol	266	11.628	11.625	0.003	800299	20.7	5
79 Pentachloronitrobenzene	237	11.638	11.634	0.004	651097	21.4	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.830	11.822	0.008	6727870	18.9	
81 Anthracene	178	11.873	11.865	0.008	6678787	20.0	5
83 Carbazole	167	11.989	11.981	0.008	5857930	20.8	5
84 Di-n-butyl phthalate	149	12.210	12.207	0.003	7471416	17.8	
87 Fluoranthene	202	13.008	13.000	0.008	6716971	21.8	5
86 Benzidine	184	13.109	13.101	0.008	2226293	20.0	
85 Pyrene	202	13.311	13.303	0.008	7183007	17.8	
89 Butyl benzyl phthalate	149	14.148	14.145	0.004	3608107	21.5	5
92 Bis(2-ethylhexyl) phthalate	149	15.288	15.284	0.004	4914932	20.3	5
91 3,3'-Dichlorobenzidine	252	15.297	15.291	0.006	1600028	21.1	5
93 Benzo[a]anthracene	228	15.389	15.380	0.009	4680598	21.3	5
94 Chrysene	228	15.456	15.448	0.008	4386350	20.4	5
95 Di-n-octyl phthalate	149	16.341	16.337	0.004	6664822	20.9	5
97 Benzo[b]fluoranthene	252	17.139	17.121	0.018	3534752	22.1	5
98 Benzo[k]fluoranthene	252	17.182	17.169	0.013	3303168	22.5	5
99 Benzo[a]pyrene	252	17.745	17.737	0.008	2657127	24.3	5
100 Indeno[1,2,3-cd]pyrene	276	20.289	20.276	0.013	1974687	22.5	5
101 Dibenz(a,h)anthracene	278	20.313	20.295	0.018	1631243	22.6	5
102 Benzo[g,h,i]perylene	276	21.029	21.002	0.027	1553628	20.5	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 22-Sep-2009 11:00:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D

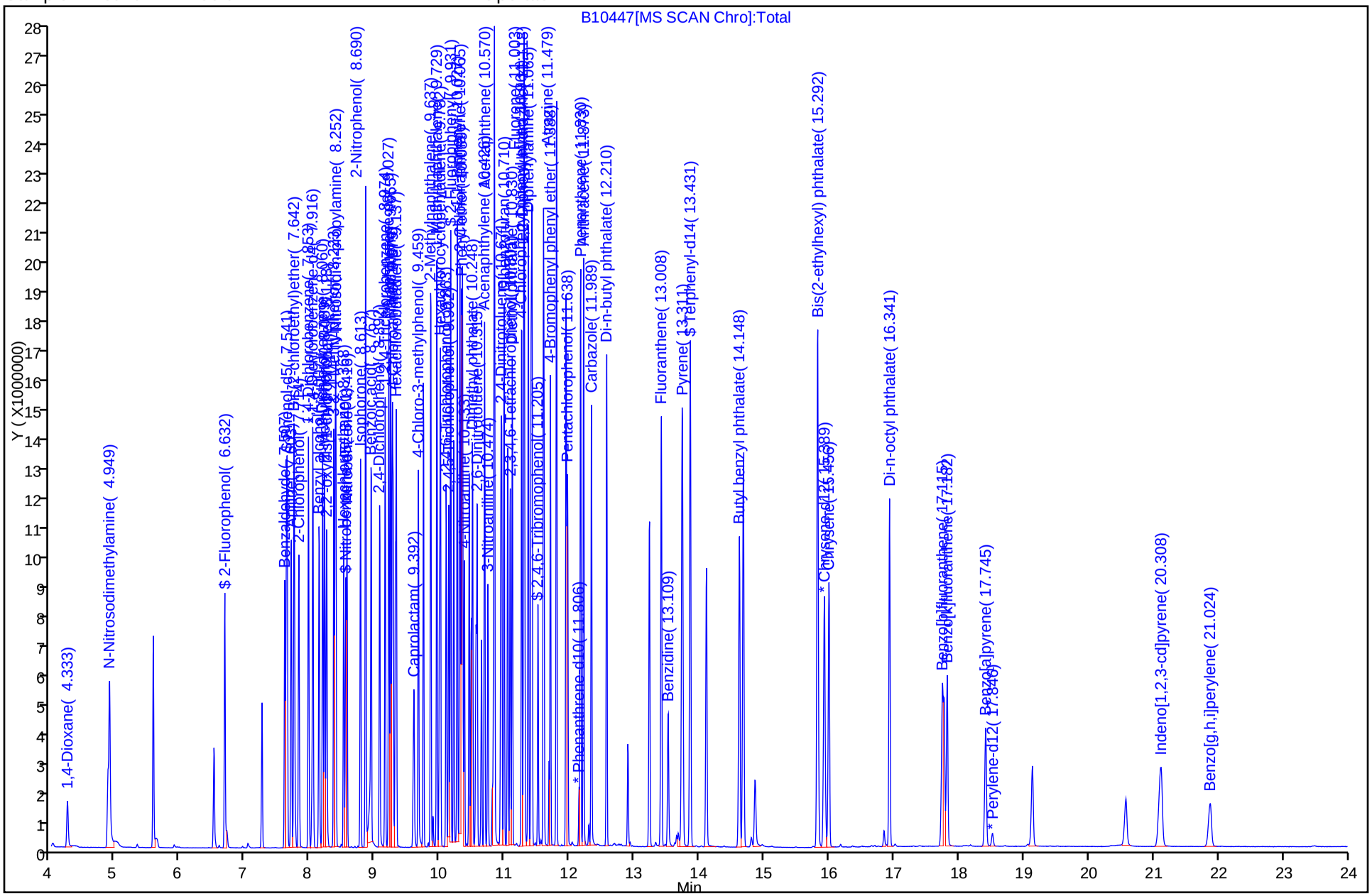
Inj Date: 21-Sep-2009 19:31:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: std20

Sample Amount: 1.00 ul Operator: MZ



User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
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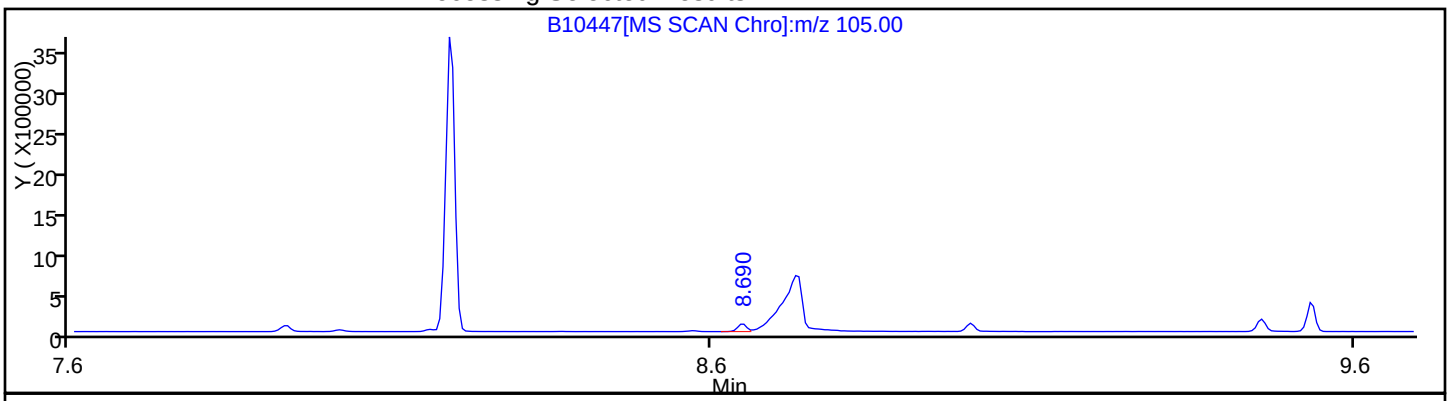
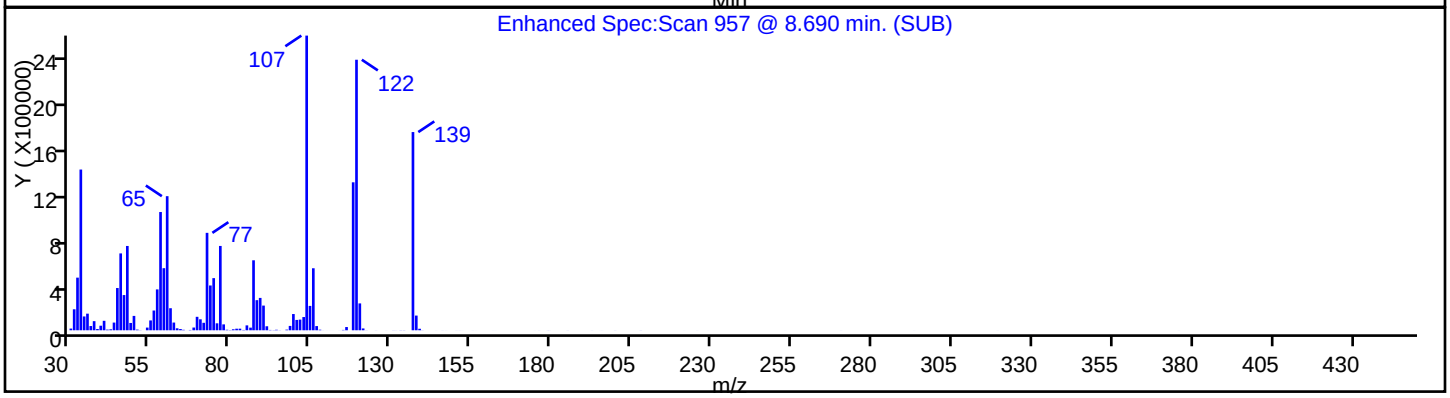
Lims Batch ID:	49265	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

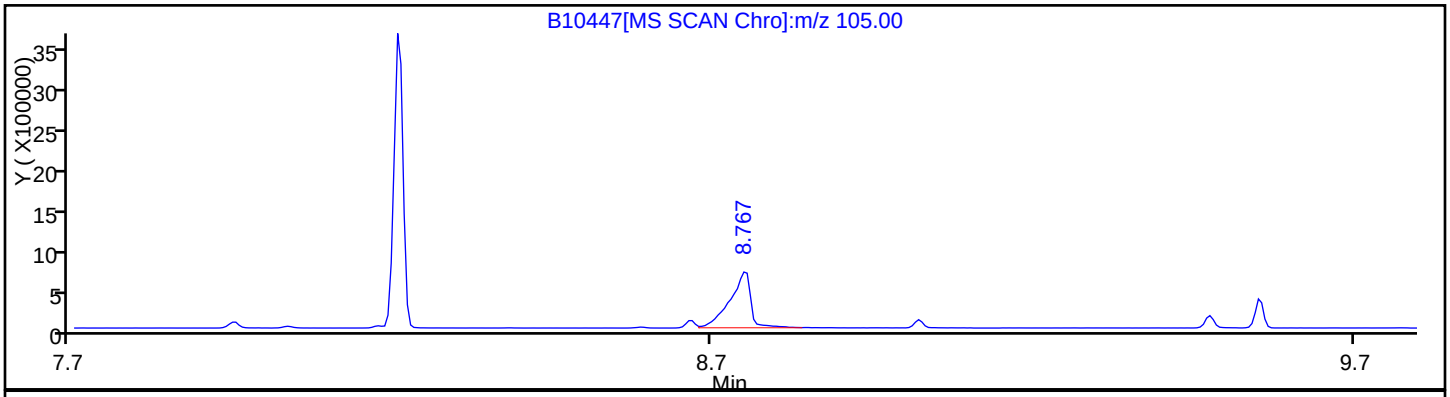
36 Benzoic acid

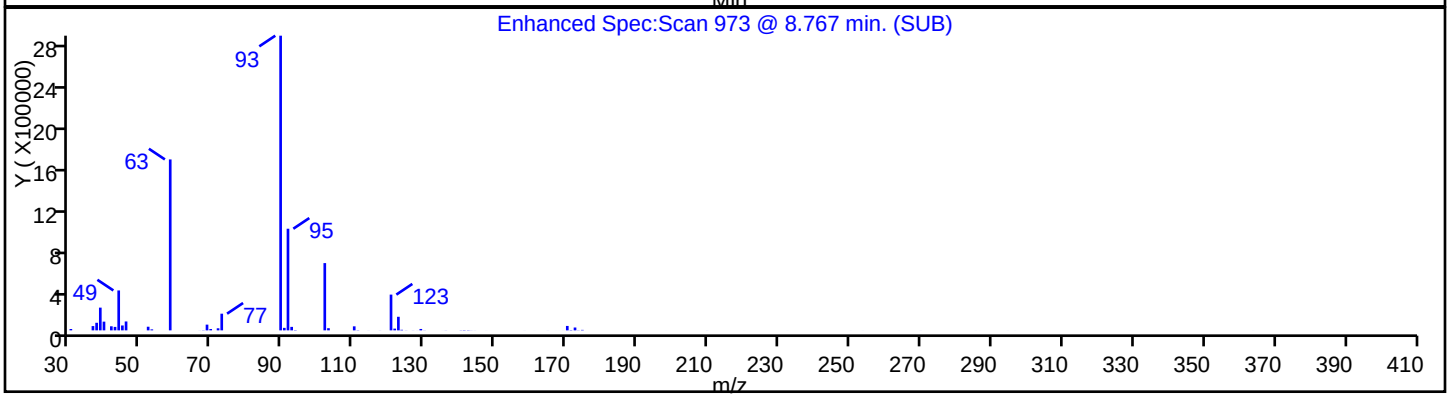
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 22-Sep-2009 11:00:19
Audit Action: Selected Alternate Hit
Audit Reason:

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49442

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49442/3	B10513.D
Level 2	STD025 360-49442/4	B10514.D
Level 3	STD05 360-49442/5	B10515.D
Level 4	STD1 360-49442/6	B10516.D
Level 5	STD25 360-49442/7	B10517.D
Level 6	STD8 360-49442/8	B10518.D
Level 7	STD10 360-49442/9	B10519.D
Level 8	STD5 360-49442/2	B10512.D
Level 9	STD20 360-49442/10	B10520.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Pyridine	+++++ 6.5753	0.3902 7.8948	0.2787 0.4282	0.8223 0.6172	2.9095	Qua	0.2405	0.2275	0.0187						0.9940		0.9900
N-Nitrosodimethylamine	0.4184 5.1911	0.3894 5.9183	0.4143 0.3425	0.7939 0.4724	2.0557	Ave		0.3851				14.0		15.0			
Benzoic acid	+++++ 1.3748	+++++ 2.0249	0.0195 0.0699	0.0503 0.0903	0.5292	Qua	-0.056	0.1024	0						0.9900		0.9900
2,4-Dinitrophenol	+++++ +++++	+++++ +++++	+++++ 0.0742	+++++ 0.1564	+++++	Qua	-0.038	0.0763	0.0041		0.0500				0.9980		0.9900
Benzaldehyde	0.3961 5.3449	0.3719 6.1670	0.3875 0.3481	0.8023 0.4686	2.0185	Ave		0.3799				12.0		15.0			
Phenol	0.7416 9.9267	0.7491 11.569	0.7246 0.6376	1.4828 0.9148	3.7203	Ave		0.7169				14.0		15.0			
Aniline	0.8187 11.770	0.7838 13.689	0.8101 0.7726	1.7129 1.0804	4.4286	Ave		0.8253				14.0		15.0			
Bis(2-chloroethyl)ether	0.6438 7.9225	0.5874 9.1373	0.5518 0.5063	1.1710 0.7224	2.9872	Ave		0.5718				14.0		15.0			
2-Chlorophenol	0.6307 8.3790	0.6036 9.7248	0.6006 0.5625	1.2762 0.7769	3.2689	Ave		0.6085				14.0		15.0			
1,4-Dichlorobenzene	0.8521 10.220	0.7580 11.732	0.7555 0.6677	1.6074 0.9135	3.8406	Ave		0.7493				14.0		15.0			
Pentachlorophenol	+++++ +++++	+++++ +++++	+++++ 0.0710	+++++ 0.1277	+++++	Qua	-0.043	0.0795	0.0025						0.9990		0.9900
1,3-Dichlorobenzene	0.8362 10.542	0.8240 12.190	0.8183 0.6883	1.6235 0.9494	4.0817	Ave		0.7792				14.0		15.0			
Benzyl alcohol	0.4149 7.2866	0.4339 8.5213	0.4668 0.4711	0.9985 0.6854	2.7289	Qua	0.2072	0.2481	0.0211						0.9950		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.: 360-24417-1 Analy Batch No.: 49442

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

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	0.8664 9.5998	0.8276 11.128	0.7649 0.6299	1.4903 0.8742	3.6983	Qua	0.3299	0.3361	0.0258						0.9950		0.9900
2-Methylphenol	0.5588 7.7017	0.5221 8.7942	0.5430 0.5041	1.1129 0.7160	2.8532	Ave		0.5436				14.0		15.0			
2,2'-oxybis[1-chloropropane]	1.2715 14.022	1.1047 15.975	1.1150 0.9196	2.1714 1.2086	5.3281	Ave		1.0495				15.0		15.0			
3 & 4 Methylphenol	0.5493 8.1109	0.5356 9.5833	0.5718 0.5316	1.1555 0.7625	3.0967	Ave		0.5704				15.0		15.0			
N-Nitrosodi-n-propylamine	0.3946 6.0338	0.3817 7.1889	0.3898 0.3888	0.8159 0.5899	2.2466	Qua	0.1796	0.1929	0.0192		0.0500				0.9960		0.9900
Acetophenone	0.8279 11.660	0.8172 13.714	0.8183 0.7348	1.6610 1.0849	4.2859	Ave		0.8206				14.0		15.0			
Hexachloroethane	0.2660 3.7131	0.2576 4.3597	0.2698 0.2419	0.5341 0.3518	1.4117	Ave		0.2652				14.0		15.0			
Nitrobenzene	0.2800 3.5499	0.2846 4.0704	0.2803 0.2309	0.5614 0.1496	1.3654	Qua	0.0174	0.2609	-0.006						0.9990		0.9900
Isophorone	0.4185 6.0441	0.4183 6.8868	0.4413 0.3927	0.8910 0.2444	2.2700	Qua	0.0049	0.4534	-0.010						0.9990		0.9900
2-Nitrophenol	0.1182 1.8611	0.1216 2.1495	0.1252 0.1183	0.2652 0.0812	0.7142	Ave		0.1182				15.0		15.0			
2,4-Dimethylphenol	0.2595 3.3209	0.2359 3.7505	0.2535 0.2208	0.5061 0.1420	1.2812	Qua	0.0161	0.2420	-0.005						0.9990		0.9900
Bis(2-chloroethoxy)methane	0.3071 3.3978	0.2814 3.9892	0.2699 0.2249	0.5471 0.1458	1.3019	Qua	0.0167	0.2524	-0.005						1.0000		0.9900
2,4-Dichlorophenol	0.1924 2.7111	0.1837 3.1259	0.2014 0.1777	0.4148 0.1159	1.0435	Qua	0.0080	0.2002	-0.004						0.9990		0.9900
1,2,4-Trichlorobenzene	0.2670 3.0828	0.2533 3.5684	0.2447 0.1990	0.4894 0.1294	1.2088	Qua	0.0159	0.2279	-0.005						0.9990		0.9900
Alpha-Terpineol	0.2359 3.1347	0.2209 3.5810	0.2227 0.1998	0.4597 0.1283	1.2136	Qua	0.0047	0.2334	-0.005						0.9990		0.9900
Naphthalene	0.8935 9.7517	0.8048 11.018	0.8065 0.6457	1.5825 0.3477	3.8127	Qua	0.0367	0.7602	-0.021						0.9990		0.9900
4-Chloroaniline	0.2856 4.0423	0.2801 4.7093	0.2842 0.2668	0.6068 0.1739	1.5437	Qua	0.0068	0.3008	-0.006						1.0000		0.9900
Hexachlorobutadiene	0.1513 1.6233	0.1362 1.8389	0.1318 0.1013	0.2485 0.0685	0.6057	Qua	0.0079	0.1169	-0.002						0.9990		0.9900
Caprolactam	0.0797 1.4260	0.0815 1.6634	0.0893 0.0884	0.1981 0.0617	0.5277	Ave		0.0864				14.0		15.0			
4-Nitrophenol	+++++ 2.8165	0.0692 3.5546	0.1028 0.1547	0.2455 0.1941	0.8390	Lin2	-0.029	0.1744			0.0500				0.9900		0.9900

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49442

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.2016 2.8412	0.1734 3.2957	0.1907 0.1838	0.4113 0.1233	1.0583	Ave		0.1814				15.0		15.0			
2-Methylnaphthalene	0.5756 6.7658	0.5560 7.7153	0.5461 0.4381	1.0851 0.2630	2.6125	Qua	0.0274	0.5115	-0.012						0.9990		0.9900
1-Methylnaphthalene	0.5704 6.5727	0.5371 7.5399	0.5374 0.4224	1.0559 0.2604	2.5066	Qua	0.0261	0.4940	-0.012						0.9990		0.9900
Hexachlorocyclopentadiene	0.1466 3.1483	0.1073 4.2513	0.1459 0.1839	0.3018 0.2496	1.0581	Lin	-0.132	0.2448			0.0500				0.9900		0.9900
1,2,4,5-Tetrachlorobenzene	0.2265 2.6733	0.2167 3.0444	0.2133 0.1736	0.4234 0.1137	1.0193	Qua	0.0151	0.1944	-0.004						0.9990		0.9900
4,6-Dinitro-2-methylphenol	+++++ 1.5198	0.0179 2.0199	0.0324 0.0776	0.0845 0.1240	0.4456	Qua	-0.022	0.0785	0.0023						0.9990		0.9900
2,4,6-Trichlorophenol	0.2525 5.4793	0.2341 6.7094	0.2719 0.2968	0.5769 0.3465	1.6749	Ave		0.3004				14.0		15.0			
2,4,5-Trichlorophenol	0.2311 5.8582	0.2626 7.1073	0.2819 0.3123	0.6058 0.3700	1.7737	Lin2	-0.013	0.3408							0.9920		0.9900
1,1'-Biphenyl	1.3861 23.519	1.3654 27.792	1.3119 1.3009	2.7255 1.2709	7.2243	Ave		1.3669				4.8		15.0			
2-Chloronaphthalene	1.3314 22.793	1.1884 26.039	1.2889 1.2457	2.6303 1.2899	7.0635	Ave		1.3110				5.7		15.0			
Phenyl ether	0.3882 4.2415	0.3383 4.8580	0.3489 0.2699	0.6653 0.1751	1.5418	Qua	0.0146	0.3122	-0.007						0.9990		0.9900
4-Nitroaniline	0.2389 6.4383	0.2546 7.7431	0.2875 0.3431	0.6330 0.4074	1.9133	Lin1	-0.030	0.3956							0.9970		0.9900
Benzidine	+++++ 3.1202	+++++ 4.3315	0.0370 0.1254	0.1603 0.3345	0.5643	Qua	-0.051	0.0999	0.0119						0.9990		0.9900
Dimethyl phthalate	1.1348 21.021	1.1663 24.951	1.1924 1.1534	2.4621 1.2230	6.2947	Ave		1.2135				4.7		15.0			
2,6-Dinitrotoluene	0.2434 4.8583	0.2254 5.9161	0.2493 0.2723	0.5417 0.3088	1.4525	Ave		0.2733				11.0		15.0			
Acenaphthylene	1.5159 29.820	1.5476 35.238	1.5968 1.6410	3.4130 1.5220	9.2077	Ave		1.6663				8.0		15.0			
3-Nitroaniline	0.1911 4.8444	0.2026 5.8378	0.2406 0.2609	0.5183 0.3092	1.4255	Lin2	-0.011	0.2822							0.9920		0.9900
Acenaphthene	1.1531 20.129	1.0729 23.851	1.0975 1.0816	2.2516 1.1346	6.1009	Ave		1.1485				5.6		15.0			
2,4-Dinitrotoluene	0.1928 6.6815	0.2443 8.0992	0.2653 0.3489	0.6172 0.4316	1.9032	Lin1	-0.041	0.4141							0.9950		0.9900
Dibenzofuran	1.5658 26.025	1.4869 30.966	1.4697 1.4365	2.9614 1.3892	7.8512	Ave		1.5082				5.0		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.: 360-24417-1 Analy Batch No.: 49442

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

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	0.1629 4.3978	0.1469 5.3255	0.1810 0.2231	0.4018 0.2832	1.2484	Lin1	-0.025	0.2711							0.9940		0.9900
Diethyl phthalate	1.3706 21.693	1.1988 25.881	1.2380 1.1993	2.4787 1.2401	6.4414	Ave		1.2694				4.9		15.0			
4-Chlorophenyl phenyl ether	0.5494 9.6461	0.5309 11.669	0.5263 0.5292	1.0673 0.5990	2.8251	Ave		0.5578				5.5		15.0			
2-Nitroaniline	0.1908 5.3987	0.2305 7.1916	0.2794 0.3028	0.5346 0.3809	1.7138	Lin1	-0.031	0.3599							0.9940		0.9900
Fluorene	1.3156 22.624	1.1671 26.990	1.2029 1.2016	2.4097 1.2438	6.7768	Ave		1.2727				6.9		15.0			
Diphenylamine	0.6016 11.306	0.6147 13.646	0.6158 0.6160	1.2524 0.6556	3.3564	Ave		0.6434				5.7		15.0			
N-Nitrosodiphenylamine	0.6016 11.306	0.6147 13.646	0.6158 0.6160	1.2524 0.6556	3.3564	Ave		0.6434				5.7		15.0			
1,2-Diphenylhydrazine	0.9967 21.476	1.0810 25.695	1.1078 1.1839	2.3858 1.1796	6.4025	Ave		1.1833				9.3		15.0			
Azobenzene	0.9967 21.476	1.0810 25.695	1.1078 1.1839	2.3858 1.1796	6.4025	Ave		1.1833				9.3		15.0			
Benzophenone	0.6003 13.028	0.6451 15.693	0.6709 0.6933	1.3939 0.7614	3.8316	Ave		0.7148				9.9		15.0			
4-Bromophenyl phenyl ether	0.1598 3.1150	0.1711 3.7583	0.1729 0.1661	0.3433 0.1955	0.9262	Ave		0.1783				7.2		15.0			
Hexachlorobenzene	0.1787 2.8784	0.1581 3.4534	0.1653 0.1571	0.3385 0.1842	0.8588	Ave		0.1708				5.5		15.0			
Atrazine	0.1621 3.3006	0.1605 3.9450	0.1700 0.1757	0.3545 0.2023	0.9702	Ave		0.1828				9.5		15.0			
Pentachloronitrobenzene	0.0676 1.5258	0.0656 1.8324	0.0632 0.0770	0.1441 0.0962	0.4271	Lin1	-0.007	0.0927							0.9950		0.9900
Phenanthrene	1.0804 17.384	1.0461 20.824	0.9690 0.9549	1.9839 0.9171	5.2671	Ave		1.0156				5.9		15.0			
Anthracene	0.8573 17.280	0.8684 20.700	0.9151 0.9314	1.8778 0.9125	5.2489	Ave		0.9543				8.5		15.0			
Carbazole	0.8438 13.549	0.7785 16.416	0.8273 0.7351	1.6440 0.7927	4.3144	Ave		0.8144				4.9		15.0			
Di-n-butyl phthalate	1.5890 21.062	1.2391 24.572	1.1946 1.1555	2.4210 0.9856	6.3053	Ave		1.2423				13.0		15.0			
Fluoranthene	0.8692 15.580	0.7819 18.726	0.8366 0.8506	1.6455 0.9304	4.6629	Ave		0.8816				7.3		15.0			
Pyrene	1.4901 23.571	1.5389 27.389	1.4488 1.3016	2.8217 1.1960	7.1694	Ave		1.4070				7.5		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.: 360-24417-1 Analy Batch No.: 49442

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

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								
Butyl benzyl phthalate	0.5184 12.201	0.5502 14.105	0.5833 0.6419	1.2510 0.6836	3.5563	Ave		0.6425				13.0		15.0			
3,3'-Dichlorobenzidine	0.1412 4.5856	0.1308 5.6640	0.1821 0.2456	0.4051 0.3112	1.4320	Lin1	-0.032	0.2941							0.9930		0.9900
Bis(2-ethylhexyl) phthalate	0.8234 16.934	0.7166 19.921	0.7509 0.8945	1.6786 0.9966	4.8837	Ave		0.8947				13.0		15.0			
Benzo[a]anthracene	0.7819 15.231	0.8166 18.092	0.8439 0.8573	1.7389 0.9208	4.7554	Ave		0.8775				6.7		15.0			
Chrysene	0.8988 14.161	0.8742 16.821	0.8255 0.7930	1.6937 0.8558	4.4570	Ave		0.8568				4.0		15.0			
Di-n-octyl phthalate	0.9809 36.037	0.9472 43.796	1.2495 1.9229	2.8991 2.2557	9.9074	Lin1	-0.257	2.2033							0.9950		0.9900
Benzo[b]fluoranthene	1.1069 19.308	0.9958 23.239	1.0875 1.0811	2.1038 1.3171	5.7197	Ave		1.1281				8.3		15.0			
Benzo[k]fluoranthene	0.8846 18.759	0.9077 22.159	0.9315 1.0185	2.1248 1.1662	5.4486	Ave		1.0379				10.0		15.0			
Benzo[a]pyrene	0.7193 15.231	0.6478 18.505	0.6899 0.8208	1.5041 0.9701	4.5866	Ave		0.8216				15.0		15.0			
Indeno[1,2,3-cd]pyrene	0.6288 12.742	0.4934 16.098	0.5449 0.6829	1.2663 0.6774	4.0080	Lin1	-0.030	0.7339							0.9920		0.9900
Dibenz(a,h)anthracene	0.4623 10.092	0.3692 12.886	0.4118 0.5386	0.9832 0.5562	3.2178	Lin1	-0.033	0.5923							0.9930		0.9900
Benzo[g,h,i]perylene	0.6032 10.676	0.5387 13.243	0.4977 0.5837	1.1891 0.5300	3.3967	Ave		0.5952				11.0		15.0			
2-Fluorophenol	0.5433 7.1647	0.4790 8.3587	0.5187 0.5214	1.0876 +++++	2.9610	Ave		0.5080				11.0		15.0			
Phenol-d5	0.6959 9.6206	0.6733 11.151	0.6842 0.6295	1.3784 0.8849	3.6182	Ave		0.6822				14.0		15.0			
Nitrobenzene-d5	0.2830 3.5670	0.2778 4.1339	0.2666 0.2304	0.5542 +++++	1.3899	Ave		0.2553				12.0		15.0			
2-Fluorobiphenyl	1.3092 22.107	1.2570 26.437	1.2508 1.2257	2.5133 1.2218	6.8596	Ave		1.2885				4.7		15.0			
2,4,6-Tribromophenol	0.0399 1.2268	0.0421 1.4928	0.0489 0.0631	0.1113 0.0828	0.3584	Lin1	-0.008	0.0777							0.9920		0.9900
Terphenyl-d14	0.8291 14.231	0.8689 16.367	0.8797 0.7702	1.7113 0.7854	4.2439	Ave		0.8384				4.9		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49442

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49442/3	B10513.D
Level 2	STD025 360-49442/4	B10514.D
Level 3	STD05 360-49442/5	B10515.D
Level 4	STD1 360-49442/6	B10516.D
Level 5	STD25 360-49442/7	B10517.D
Level 6	STD8 360-49442/8	B10518.D
Level 7	STD10 360-49442/9	B10519.D
Level 8	STD5 360-49442/2	B10512.D
Level 9	STD20 360-49442/10	B10520.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Pyridine	DCB	Qua	+++++ 738951	17442 995250	25326 468414	72942 2118685	584581	+++++ 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
N-Nitrosodimethylamine	DCB	Ave	7551 583391	17405 746082	37651 374668	70429 1621496	413041	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Benzoic acid	NPT	Qua	+++++ 401797	+++++ 667061	4234 197672	10799 1747014	269050	+++++ 0.500	+++++ 0.500	0.500 5.00	0.500 20.0	0.500
2,4-Dinitrophenol	ANT	Qua	+++++ +++++	+++++ +++++	+++++ 82575	+++++ 696224	+++++	+++++ +++++	+++++ +++++	+++++ 5.00	+++++ 20.0	+++++
Benzaldehyde	DCB	Ave	7149 600673	16624 777443	35212 380789	71167 1608415	405570	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Phenol	DCB	Ave	13384 1115588	33486 1458462	65847 697495	131537 3140110	747496	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Aniline	DCB	Ave	14775 1322796	35035 1725637	73615 845244	151951 3708452	889810	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Bis(2-chloroethyl)ether	DCB	Ave	11618 890348	26256 1151892	50144 553845	103878 2479631	600195	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
2-Chlorophenol	DCB	Ave	11382 941648	26981 1225953	54574 615389	113204 2666881	656798	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
1,4-Dichlorobenzene	DCB	Ave	15378 1148508	33882 1479011	68655 730427	142584 3135492	771660	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Pentachlorophenol	PHN	Qua	+++++ +++++	+++++ +++++	+++++ 129511	+++++ 945332	+++++	+++++ +++++	+++++ +++++	+++++ 5.00	+++++ 20.0	+++++
1,3-Dichlorobenzene	DCB	Ave	15091 1184706	36835 1536740	74358 752933	144017 3258718	820115	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Benzyl alcohol	DCB	Qua	7488 818881	19398 1074227	42421 515415	88576 2352510	548295	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
1,2-Dichlorobenzene	DCB	Qua	15636 1078854	36994 1402879	69507 689126	132199 3000695	743088	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49442

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

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	10084 865541	23339 1108628	49339 551464	98726 2457800	573277	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
2,2'-oxybis[1-chloropropane]	DCB	Ave	22946 1575859	49382 2013818	101317 1006017	192620 4148441	1070554	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
3 & 4 Methylphenol	DCB	Ave	9913 911522	23940 1208115	51960 581557	102502 2617171	622197	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
N-Nitrosodi-n-propylamine	DCB	Qua	7122 678094	17062 906264	35423 425287	72374 2024758	451404	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Acetophenone	DCB	Ave	14940 1310390	36530 1728826	74360 803902	147343 3723900	861134	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Hexachloroethane	DCB	Ave	4801 417284	11517 549608	24515 264629	47382 1207450	283650	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Nitrobenzene	NPT	Qua	12096 1037505	30546 1340926	60881 652487	120571 2894284	694132	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Isophorone	NPT	Qua	18081 1766462	44898 2268714	95832 1109943	191379 4727137	1154048	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
2-Nitrophenol	NPT	Ave	5107 543945	13048 708111	27182 334286	56959 1569989	363115	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
2,4-Dimethylphenol	NPT	Qua	11212 970591	25325 1235544	55055 624099	108706 2746892	651344	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Bis(2-chloroethoxy)methane	NPT	Qua	13266 993056	30208 1314156	58622 635562	117514 2820197	661890	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
2,4-Dichlorophenol	NPT	Qua	8310 792360	19722 1029755	43738 502105	89103 2242500	530485	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
1,2,4-Trichlorobenzene	NPT	Qua	11533 900982	27190 1175552	53146 562314	105126 2503013	614536	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Alpha-Terpineol	NPT	Qua	10191 916166	23706 1179694	48364 564762	98734 2482516	616980	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Naphthalene	NPT	Qua	38600 2850079	86390 3629789	175153 1824981	339898 6725202	1938351	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
4-Chloroaniline	NPT	Qua	12339 1181433	30061 1551379	61715 753906	130337 3364367	784789	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Hexachlorobutadiene	NPT	Qua	6536 474428	14623 605804	28626 286388	53377 1325094	307910	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Caprolactam	NPT	Ave	3443 416769	8750 547988	19392 249734	42548 1194298	268284	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
4-Nitrophenol	ANT	Lin2	+++++ 275507	3565 375412	10720 172139	24312 864177	172852	+++++ 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
4-Chloro-3-methylphenol	NPT	Ave	8708 830393	18616 1085689	41411 519517	88348 2385216	538031	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
2-Methylnaphthalene	NPT	Qua	24867 1977411	59682 2541644	118596 1238030	233063 5087873	1328173	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49442

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1-Methylnaphthalene	NPT	Qua	24643 1920968	57652 2483865	116720 1193828	226803 5036854	1274339	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Hexachlorocyclopentadiene	ANT	Lin	3094 307962	5530 448992	15212 204564	29889 1111512	217987	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
1,2,4,5-Tetrachlorobenzene	NPT	Qua	9784 781316	23259 1002918	46313 490501	90939 2199963	518209	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
4,6-Dinitro-2-methylphenol	PHN	Qua	+++++ 244654	1428 352816	5538 141492	13577 918076	150800	+++++ 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
2,4,6-Trichlorophenol	ANT	Ave	5329 535975	12062 708600	28353 330243	57132 1542701	345063	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
2,4,5-Trichlorophenol	ANT	Lin2	4877 573034	13532 750621	29396 347521	59993 1647406	365417	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
1,1'-Biphenyl	ANT	Ave	29255 2300561	70347 2935145	136818 1447415	269899 5658459	1488376	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
2-Chloronaphthalene	ANT	Ave	28101 2229615	61231 2750042	134416 1386012	260466 5743175	1455263	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Phenyl ether	NPT	Qua	16769 1239626	36314 1600384	75776 762820	142902 3386724	783849	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
4-Nitroaniline	ANT	Lin1	5043 629782	13118 817766	29986 381793	62687 1814043	394183	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Benzidine	PHN	Qua	+++++ 502278	+++++ 756587	6323 228726	25743 2475708	190946	+++++ 0.500	+++++ 0.500	0.500 5.00	0.500 20.0	0.500
Dimethyl phthalate	ANT	Ave	23950 2056283	60091 2635161	124356 1283344	243816 5445255	1296870	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
2,6-Dinitrotoluene	ANT	Ave	5137 475227	11613 624815	26000 302969	53646 1374843	299243	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Acenaphthylene	ANT	Ave	31994 2916977	79736 3721581	166529 1825855	337979 6776454	1897008	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
3-Nitroaniline	ANT	Lin2	4034 473869	10440 616551	25092 290235	51326 1376837	293685	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Acenaphthene	ANT	Ave	24336 1969021	55276 2518961	114455 1203467	222971 5051700	1256945	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
2,4-Dinitrotoluene	ANT	Lin1	4070 653574	12586 855381	27663 388246	61122 1921648	392099	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Dibenzofuran	ANT	Ave	33048 2545756	76609 3270415	153274 1598338	293259 6185250	1617547	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
2,3,4,6-Tetrachlorophenol	ANT	Lin1	3438 430189	7567 562437	18879 248207	39786 1260895	257210	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Diethyl phthalate	ANT	Ave	28927 2122002	61764 2733386	129106 1334346	245460 5521219	1327093	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
4-Chlorophenyl phenyl ether	ANT	Ave	11595 943560	27353 1232446	54891 588754	105686 2667172	582043	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49442

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2-Nitroaniline	ANT	Lin1	4026 528091	11874 759521	29136 336884	52935 1695699	353094	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Fluorene	ANT	Ave	27766 2213015	60130 2850489	125445 1336886	238621 5537865	1396181	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Diphenylamine	PHN	Ave	20617 1820056	49072 2383607	105374 1123207	201134 4852443	1135769	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
N-Nitrosodiphenylamine	PHN	Ave	20617 1820056	49072 2383607	105374 1123207	201134 4852443	1135769	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
1,2-Diphenylhydrazine	PHN	Ave	34157 3457147	86305 4488256	189553 2158628	383161 8730681	2166505	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Azobenzene	PHN	Ave	34157 3457147	86305 4488256	189553 2158628	383161 8730681	2166505	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Benzophenone	PHN	Ave	20572 2097252	51502 2741079	114807 1264047	223853 5635595	1296552	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
4-Bromophenyl phenyl ether	PHN	Ave	5476 501448	13659 656463	29592 302822	55134 1446913	313407	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Hexachlorobenzene	PHN	Ave	6125 463361	12620 603211	28277 286410	54357 1363634	290601	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Atrazine	PHN	Ave	5556 531316	12810 689073	29084 320419	56931 1496961	328313	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Pentachloronitrobenzene	PHN	Lin1	2315 245614	5238 320075	10814 140330	23149 711718	144520	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Phenanthrene	PHN	Ave	37024 2798480	83517 3637305	165809 1741115	318606 6787770	1782313	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Anthracene	PHN	Ave	29380 2781733	69331 3615608	156591 1698268	301569 6754098	1776167	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Carbazole	PHN	Ave	28918 2181097	62154 2867333	141567 1340300	264019 5867517	1459915	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Di-n-butyl phthalate	PHN	Ave	54456 3390577	98922 4292064	204416 2106796	388814 7294667	2133615	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Fluoranthene	PHN	Ave	29786 2508038	62422 3270909	143148 1550970	264271 6886157	1577843	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Pyrene	CRY	Ave	31512 2583121	66470 3463857	150753 1608529	275920 7239678	1635597	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Butyl benzyl phthalate	CRY	Ave	10963 1337145	23767 1783832	60701 793289	122333 4138100	811322	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
3,3'-Dichlorobenzidine	CRY	Lin1	2986 502536	5648 716315	18945 303443	39617 1883788	326698	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Bis(2-ethylhexyl) phthalate	CRY	Ave	17412 1855805	30954 2519398	78134 1105452	164147 6032851	1114147	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Benzo[a]anthracene	CRY	Ave	16534 1669154	35271 2288092	87818 1059423	170041 5573957	1084879	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49442

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 18:20 Calibration End Date: 09/23/2009 22:32 Calibration ID: 4743

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Chrysene	CRY	Ave	19008 1551871	37759 2127348	85899 979929	165617 5180096	1016794	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Di-n-octyl phthalate	PRY	Lin1	14278 2751361	27510 3823045	85940 1646364	196200 8570188	1643063	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Benzo[b]fluoranthene	PRY	Ave	16112 1474137	28922 2028591	74797 925601	142377 5004142	948565	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Benzo[k]fluoranthene	PRY	Ave	12876 1432270	26365 1934333	64068 872046	143797 4430872	903613	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Benzo[a]pyrene	PRY	Ave	10470 1162897	18814 1615348	47450 702794	101794 3685745	760651	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Indeno[1,2,3-cd]pyrene	PRY	Lin1	9152 972823	14330 1405253	37475 584676	85697 2573737	664691	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Dibenz(a,h)anthracene	PRY	Lin1	6729 770491	10723 1124851	28320 461128	66542 2113309	533649	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Benzo[g,h,i]perylene	PRY	Ave	8780 815132	15645 1156042	34229 499723	80474 2013647	563322	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
2-Fluorophenol	DCB	Ave	9804 805188	21411 1053727	47134 570384	96478 +++++	594945	0.100 0.500	0.250 0.500	0.500 5.00	0.500 +++++	0.500
Phenol-d5	DCB	Ave	12558 1081183	30097 1405792	62173 688669	122277 3037505	726986	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Nitrobenzene-d5	NPT	Ave	12225 1042498	29818 1361841	57899 651025	119038 +++++	706599	0.100 0.500	0.250 0.500	0.500 5.00	0.500 +++++	0.500
2-Fluorobiphenyl	ANT	Ave	27631 2162438	64761 2792045	130439 1363786	248882 5439730	1413243	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
2,4,6-Tribromophenol	PHN	Lin1	1367 197491	3364 260742	8367 114962	17873 612722	121288	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500
Terphenyl-d14	CRY	Ave	17534 1559588	37531 2069872	91540 951757	167343 4754083	968181	0.100 0.500	0.250 0.500	0.500 5.00	0.500 20.0	0.500

Curve Type Legend:

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10512.D		
Lims ID:	std5	Client ID:	
Inject. Date:	23-Sep-2009 18:20:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	std5		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49442	Lims Sample ID:	2
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 10:08:27	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 08:31:42
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:08:27

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

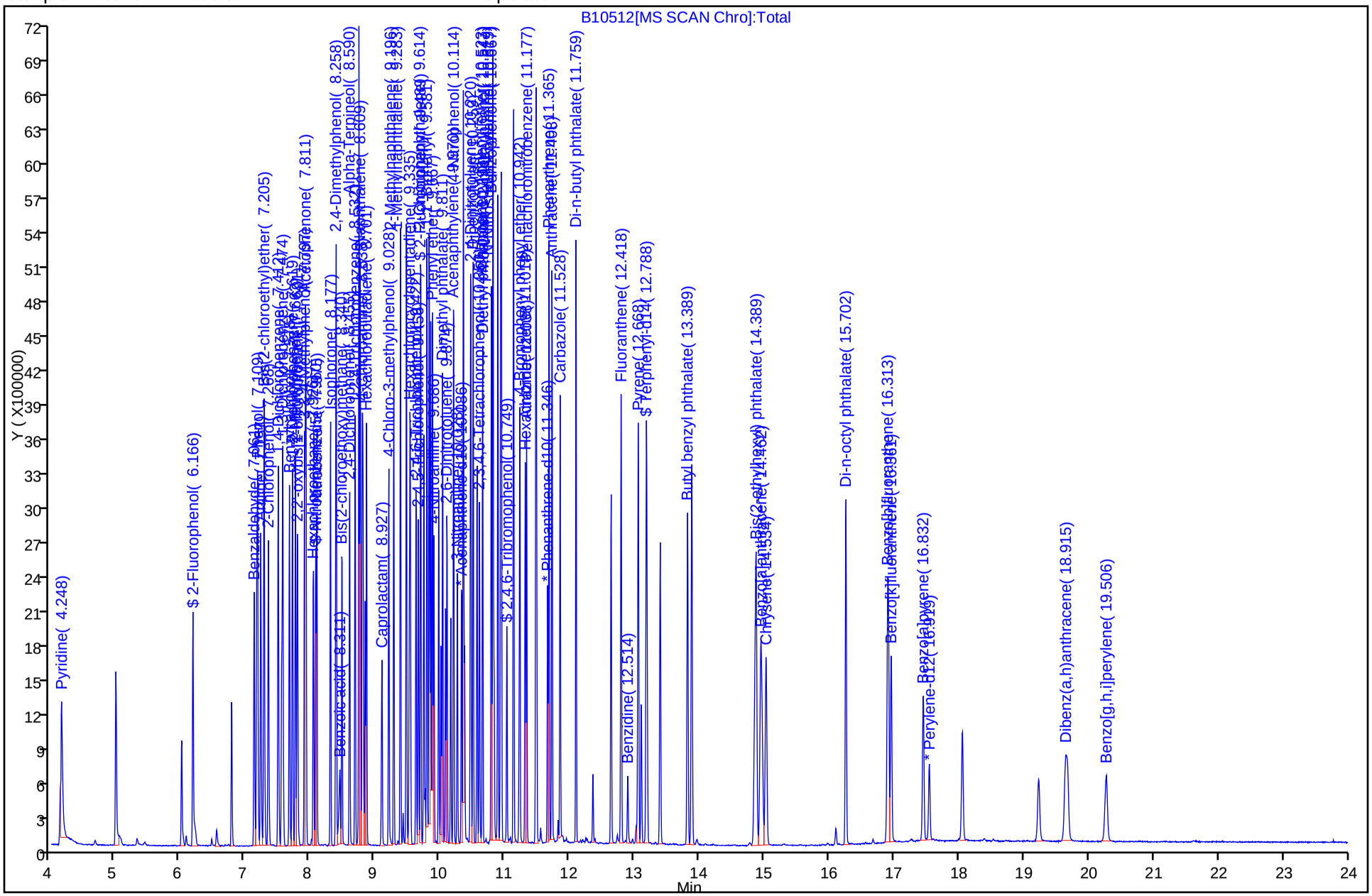
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.460	7.466	-0.006	437589	2.00	
* 2 Naphthalene-d8	136	8.590	8.592	-0.002	1130464	2.00	
* 3 Acenaphthene-d10	164	10.090	10.092	-0.002	445050	2.00	
* 4 Phenanthrene-d10	188	11.346	11.347	-0.001	729330	2.00	
* 5 Chrysene-d12	240	14.481	14.482	-0.001	494306	2.00	
* 6 Perylene-d12	264	16.919	16.920	-0.001	342474	2.00	
$ 7 2-Fluorophenol	112	6.166	6.168	-0.002	570384	5.13	
$ 8 Phenol-d5	99	7.099	7.101	-0.002	688669	4.61	
$ 9 Nitrobenzene-d5	82	7.960	7.962	-0.002	651025	4.51	
$ 10 2-Fluorobiphenyl	172	9.494	9.496	-0.002	1363786	4.76	
$ 11 2,4,6-Tribromophenol	330	10.754	10.756	-0.002	114962	4.16	
$ 12 Terphenyl-d14	244	12.788	12.790	-0.002	951757	4.59	
15 N-Nitrosodimethylamine	42	4.233	4.240	-0.007	374668	4.45	
16 Pyridine	79	4.248	4.248	0.000	468414	5.69	
17 Benzaldehyde	105	7.061	7.062	-0.001	380789	4.58	
18 Phenol	94	7.109	7.115	-0.006	697495	4.45	
19 Aniline	93	7.157	7.159	-0.002	845244	4.68	
20 Bis(2-chloroethyl)ether	93	7.205	7.207	-0.002	553845	4.43	
21 2-Chlorophenol	128	7.268	7.269	-0.001	615389	4.62	
22 1,4-Dichlorobenzene	146	7.412	7.413	-0.001	730427	4.46	
23 1,3-Dichlorobenzene	146	7.479	7.481	-0.002	752933	4.42	
24 Benzyl alcohol	79	7.575	7.577	-0.002	515415	5.08	
25 1,2-Dichlorobenzene	146	7.619	7.620	-0.001	689126	4.40	
26 2-Methylphenol	108	7.662	7.663	-0.001	551464	4.64	
27 2,2'-oxybis[1-chloropropane]	45	7.691	7.692	-0.001	1006017	4.38	
28 3 & 4 Methylphenol	108	7.797	7.798	-0.001	581557	4.66	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.806	7.813	-0.007	425287	4.94	
30 Acetophenone	105	7.816	7.817	-0.001	803902	4.48	
31 Hexachloroethane	117	7.926	7.928	-0.002	264629	4.56	
32 Nitrobenzene	77	7.975	7.976	-0.001	652487	4.49	
33 Isophorone	82	8.177	8.178	-0.001	1109943	4.77	
34 2-Nitrophenol	139	8.253	8.255	-0.002	334286	5.00	
35 2,4-Dimethylphenol	107	8.258	8.260	-0.002	624099	4.71	
37 Bis(2-chloroethoxy)methane	93	8.345	8.346	-0.001	635562	4.43	
36 Benzoic acid	105	8.311	8.311	0.000	197672	4.04	
38 2,4-Dichlorophenol	162	8.455	8.457	-0.002	502105	4.75	
39 1,2,4-Trichlorobenzene	180	8.537	8.534	0.003	562314	4.37	
40 Alpha-Terpineol	59	8.590	8.592	-0.002	564762	4.63	
41 Naphthalene	128	8.609	8.611	-0.002	1824981	5.38	
42 4-Chloroaniline	127	8.638	8.640	-0.002	753906	4.81	
43 Hexachlorobutadiene	225	8.701	8.702	-0.001	286388	5.03	
44 Caprolactam	55	8.927	8.928	-0.001	249734	4.94	
45 4-Chloro-3-methylphenol	107	9.028	9.029	-0.001	519517	5.07	
46 2-Methylnaphthalene	142	9.196	9.197	-0.001	1238030	4.39	
47 1-Methylnaphthalene	142	9.283	9.284	-0.001	1193828	4.35	
48 Hexachlorocyclopentadiene	237	9.326	9.327	-0.001	204564	4.29	
49 1,2,4,5-Tetrachlorobenzene	216	9.340	9.342	-0.002	490501	4.44	
50 2,4,6-Trichlorophenol	196	9.427	9.428	-0.001	330243	4.94	
51 2,4,5-Trichlorophenol	196	9.460	9.462	-0.002	347521	4.62	
52 1,1'-Biphenyl	154	9.585	9.587	-0.002	1447415	4.76	
53 2-Chloronaphthalene	162	9.614	9.616	-0.002	1386012	4.75	
54 Phenyl ether	170	9.667	9.669	-0.002	762820	5.10	
68 4-Nitroaniline	138	9.686	9.688	-0.002	381793	4.41	
56 Dimethyl phthalate	163	9.811	9.813	-0.002	1283344	4.75	
57 2,6-Dinitrotoluene	165	9.879	9.876	0.003	302969	4.98	
58 Acenaphthylene	152	9.975	9.972	0.003	1825855	4.92	
59 3-Nitroaniline	138	10.028	10.029	-0.001	290235	4.66	
60 2,4-Dinitrophenol	184	10.114	10.116	-0.002	82575	4.34	
61 Acenaphthene	153	10.114	10.116	-0.002	1203467	4.71	
62 4-Nitrophenol	109	10.134	10.135	-0.001	172139	4.60	
63 2,4-Dinitrotoluene	165	10.220	10.222	-0.002	388246	4.31	
64 Dibenzofuran	168	10.259	10.260	-0.001	1598338	4.76	
65 2,3,4,6-Tetrachlorophenol	232	10.350	10.352	-0.002	248207	4.21	
66 Diethyl phthalate	149	10.398	10.400	-0.002	1334346	4.72	
67 4-Chlorophenyl phenyl ether	204	10.523	10.525	-0.002	588754	4.74	
55 2-Nitroaniline	65	10.542	10.542	0.000	336884	4.29	
69 Fluorene	166	10.547	10.549	-0.002	1336886	4.72	
70 4,6-Dinitro-2-methylphenol	198	10.566	10.568	-0.002	141492	4.60	
71 Diphenylamine	169	10.619	10.621	-0.002	1123207	4.79	
72 N-Nitrosodiphenylamine	169	10.619	10.621	-0.002	1123207	4.79	
73 1,2-Diphenylhydrazine	77	10.663	10.664	-0.001	2158628	5.00	
74 Azobenzene	77	10.663	10.664	-0.001	2158628	5.00	
13 Benzophenone	105	10.672	10.674	-0.002	1264047	4.85	
75 4-Bromophenyl phenyl ether	248	10.942	10.943	-0.001	302822	4.66	
76 Hexachlorobenzene	284	11.018	11.020	-0.002	286410	4.60	
77 Atrazine	200	11.038	11.039	-0.001	320419	4.81	
78 Pentachlorophenol	266	11.172	11.174	-0.002	129511	4.39	
79 Pentachloronitrobenzene	237	11.187	11.188	-0.001	140330	4.23	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.365	11.366	-0.001	1741115	4.70	
81 Anthracene	178	11.408	11.410	-0.002	1698268	4.88	
83 Carbazole	167	11.528	11.530	-0.002	1340300	4.51	
84 Di-n-butyl phthalate	149	11.759	11.761	-0.002	2106796	4.65	
87 Fluoranthene	202	12.418	12.419	-0.001	1550970	4.82	
86 Benzidine	184	12.514	12.520	-0.006	228726	4.44	
85 Pyrene	202	12.668	12.669	-0.001	1608529	4.63	
89 Butyl benzyl phthalate	149	13.389	13.391	-0.002	793289	5.00	
91 3,3'-Dichlorobenzidine	252	14.370	14.370	0.000	303443	4.28	
92 Bis(2-ethylhexyl) phthalate	149	14.389	14.391	-0.002	1105452	5.00	
93 Benzo[a]anthracene	228	14.457	14.463	-0.006	1059423	4.88	
94 Chrysene	228	14.534	14.540	-0.006	979929	4.63	
95 Di-n-octyl phthalate	149	15.702	15.704	-0.002	1646364	4.48	
97 Benzo[b]fluoranthene	252	16.323	16.324	-0.001	925601	4.79	
98 Benzo[k]fluoranthene	252	16.361	16.367	-0.006	872046	4.91	
99 Benzo[a]pyrene	252	16.832	16.834	-0.002	702794	5.00	
100 Indeno[1,2,3-cd]pyrene	276	18.910	18.911	-0.001	584676	4.69	
101 Dibenz(a,h)anthracene	278	18.939	18.940	-0.001	461128	4.60	
102 Benzo[g,h,i]perylene	276	19.506	19.508	-0.002	499723	4.90	

Report Date: 25-Sep-2009 10:08:28 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10512.D		
Inj Date:	23-Sep-2009 18:20:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	2
Client ID:		Instrument:	Inst. B
Sample Info:	std5		
Sample Amount:	1.00 ul	Operator:	MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Lims ID:	std01	Client ID:	
Inject. Date:	23-Sep-2009 18:51:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	std01		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49442	Lims Sample ID:	3
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 10:08:35	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 08:44:47
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:08:35

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.463	7.466	-0.003	360929	2.00	
* 2 Naphthalene-d8	136	8.588	8.592	-0.004	864028	2.00	
* 3 Acenaphthene-d10	164	10.089	10.092	-0.003	422114	2.00	
* 4 Phenanthrene-d10	188	11.344	11.347	-0.003	685401	2.00	
* 5 Chrysene-d12	240	14.474	14.482	-0.008	422942	2.00	
* 6 Perylene-d12	264	16.917	16.920	-0.003	291108	2.00	
$ 7 2-Fluorophenol	112	6.170	6.168	0.002	9804	0.1069	
$ 8 Phenol-d5	99	7.098	7.101	-0.003	12558	0.1020	
$ 9 Nitrobenzene-d5	82	7.958	7.962	-0.004	12225	0.1108	
$ 10 2-Fluorobiphenyl	172	9.492	9.496	-0.004	27631	0.1016	
$ 11 2,4,6-Tribromophenol	330	10.752	10.756	-0.004	1367	0.1547	
$ 12 Terphenyl-d14	244	12.786	12.790	-0.004	17534	0.0989	
15 N-Nitrosodimethylamine	42	4.265	4.240	0.025	7551	0.1087	
17 Benzaldehyde	105	7.064	7.062	0.002	7149	0.1043	
18 Phenol	94	7.112	7.115	-0.003	13384	0.1035	
19 Aniline	93	7.155	7.159	-0.004	14775	0.0992	
20 Bis(2-chloroethyl)ether	93	7.208	7.207	0.001	11618	0.1126	
21 2-Chlorophenol	128	7.271	7.269	0.002	11382	0.1037	
22 1,4-Dichlorobenzene	146	7.410	7.413	-0.003	15378	0.1137	
23 1,3-Dichlorobenzene	146	7.478	7.481	-0.003	15091	0.1073	
24 Benzyl alcohol	79	7.574	7.577	-0.003	7488	0.0894	
25 1,2-Dichlorobenzene	146	7.617	7.620	-0.003	15636	0.1210	
26 2-Methylphenol	108	7.660	7.663	-0.003	10084	0.1028	
27 2,2'-oxybis[1-chloropropane]	45	7.694	7.692	0.002	22946	0.1211	
28 3 & 4 Methylphenol	108	7.795	7.798	-0.003	9913	0.0963	
29 N-Nitrosodi-n-propylamine	70	7.809	7.813	-0.004	7122	0.1003	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.819	7.817	0.002	14940	0.1009	
31 Hexachloroethane	117	7.925	7.928	-0.003	4801	0.1003	
32 Nitrobenzene	77	7.973	7.976	-0.003	12096	0.1090	
33 Isophorone	82	8.175	8.178	-0.003	18081	0.1017	
34 2-Nitrophenol	139	8.252	8.255	-0.003	5107	0.1000	
35 2,4-Dimethylphenol	107	8.261	8.260	0.001	11212	0.1108	
37 Bis(2-chloroethoxy)methane	93	8.343	8.346	-0.003	13266	0.1211	
38 2,4-Dichlorophenol	162	8.454	8.457	-0.003	8310	0.1028	
39 1,2,4-Trichlorobenzene	180	8.535	8.534	0.001	11533	0.1172	
40 Alpha-Terpineol	59	8.588	8.592	-0.004	10191	0.1093	
41 Naphthalene	128	8.608	8.611	-0.003	38600	-0.204642	7
42 4-Chloroaniline	127	8.636	8.640	-0.004	12339	0.1031	
43 Hexachlorobutadiene	225	8.699	8.702	-0.003	6536	0.0575	
44 Caprolactam	55	8.901	8.928	-0.027	3443	0.0891	
45 4-Chloro-3-methylphenol	107	9.021	9.029	-0.008	8708	0.1111	
46 2-Methylnaphthalene	142	9.194	9.197	-0.003	24867	0.1154	
47 1-Methylnaphthalene	142	9.286	9.284	0.002	24643	0.1175	
48 Hexachlorocyclopentadiene	237	9.329	9.327	0.002	3094	0.5985	
49 1,2,4,5-Tetrachlorobenzene	216	9.339	9.342	-0.003	9784	0.1158	
50 2,4,6-Trichlorophenol	196	9.425	9.428	-0.003	5329	0.0841	
51 2,4,5-Trichlorophenol	196	9.459	9.462	-0.003	4877	0.1056	
52 1,1'-Biphenyl	154	9.584	9.587	-0.003	29255	0.1014	
53 2-Chloronaphthalene	162	9.613	9.616	-0.003	28101	0.1016	
54 Phenyl ether	170	9.666	9.669	-0.003	16769	0.0601	
68 4-Nitroaniline	138	9.685	9.688	-0.003	5043	0.1368	
56 Dimethyl phthalate	163	9.810	9.813	-0.003	23950	0.0935	
57 2,6-Dinitrotoluene	165	9.872	9.876	-0.004	5137	0.0890	
58 Acenaphthylene	152	9.973	9.972	0.001	31994	0.0910	
59 3-Nitroaniline	138	10.026	10.029	-0.003	4034	0.1067	
61 Acenaphthene	153	10.113	10.116	-0.003	24336	0.1004	
63 2,4-Dinitrotoluene	165	10.219	10.222	-0.003	4070	0.1455	
64 Dibenzofuran	168	10.257	10.260	-0.003	33048	0.1038	
65 2,3,4,6-Tetrachlorophenol	232	10.348	10.352	-0.004	3438	0.1532	
66 Diethyl phthalate	149	10.392	10.400	-0.008	28927	0.1080	
67 4-Chlorophenyl phenyl ether	204	10.521	10.525	-0.004	11595	0.0985	
55 2-Nitroaniline	65	10.536	10.544	-0.008	4026	0.1382	
69 Fluorene	166	10.546	10.549	-0.003	27766	0.1034	
71 Diphenylamine	169	10.618	10.621	-0.003	20617	0.0935	
72 N-Nitrosodiphenylamine	169	10.618	10.621	-0.003	20617	0.0935	
73 1,2-Diphenylhydrazine	77	10.656	10.664	-0.008	34157	0.0842	
74 Azobenzene	77	10.656	10.664	-0.008	34157	0.0842	
13 Benzophenone	105	10.671	10.674	-0.003	20572	0.0840	
75 4-Bromophenyl phenyl ether	248	10.940	10.943	-0.003	5476	0.0896	
76 Hexachlorobenzene	284	11.017	11.020	-0.003	6125	0.1047	
77 Atrazine	200	11.036	11.039	-0.003	5556	0.0887	
79 Pentachloronitrobenzene	237	11.180	11.188	-0.008	2315	0.1454	
80 Phenanthrene	178	11.363	11.366	-0.003	37024	0.1064	
81 Anthracene	178	11.406	11.410	-0.004	29380	0.0898	
83 Carbazole	167	11.527	11.530	-0.003	28918	0.1036	
84 Di-n-butyl phthalate	149	11.762	11.761	0.001	54456	0.1279	
87 Fluoranthene	202	12.416	12.419	-0.003	29786	0.0986	
85 Pyrene	202	12.666	12.669	-0.003	31512	0.1059	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
89 Butyl benzyl phthalate	149	13.388	13.391	-0.003	10963	0.0807	
91 3,3'-Dichlorobenzidine	252	14.364	14.372	-0.008	2986	0.1578	M
92 Bis(2-ethylhexyl) phthalate	149	14.393	14.391	0.002	17412	0.0920	
93 Benzo[a]anthracene	228	14.450	14.463	-0.013	16534	0.0891	
94 Chrysene	228	14.527	14.540	-0.013	19008	0.1049	
95 Di-n-octyl phthalate	149	15.701	15.704	-0.003	14278	0.1613	
97 Benzo[b]fluoranthene	252	16.321	16.324	-0.003	16112	0.0981	
98 Benzo[k]fluoranthene	252	16.355	16.367	-0.012	12876	0.0852	
99 Benzo[a]pyrene	252	16.831	16.834	-0.003	10470	0.0875	
100 Indeno[1,2,3-cd]pyrene	276	18.918	18.911	0.007	9152	0.1270	
101 Dibenz(a,h)anthracene	278	18.937	18.940	-0.003	6729	0.1331	
102 Benzo[g,h,i]perylene	276	19.495	19.508	-0.013	8780	0.1014	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 10:08:36 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D

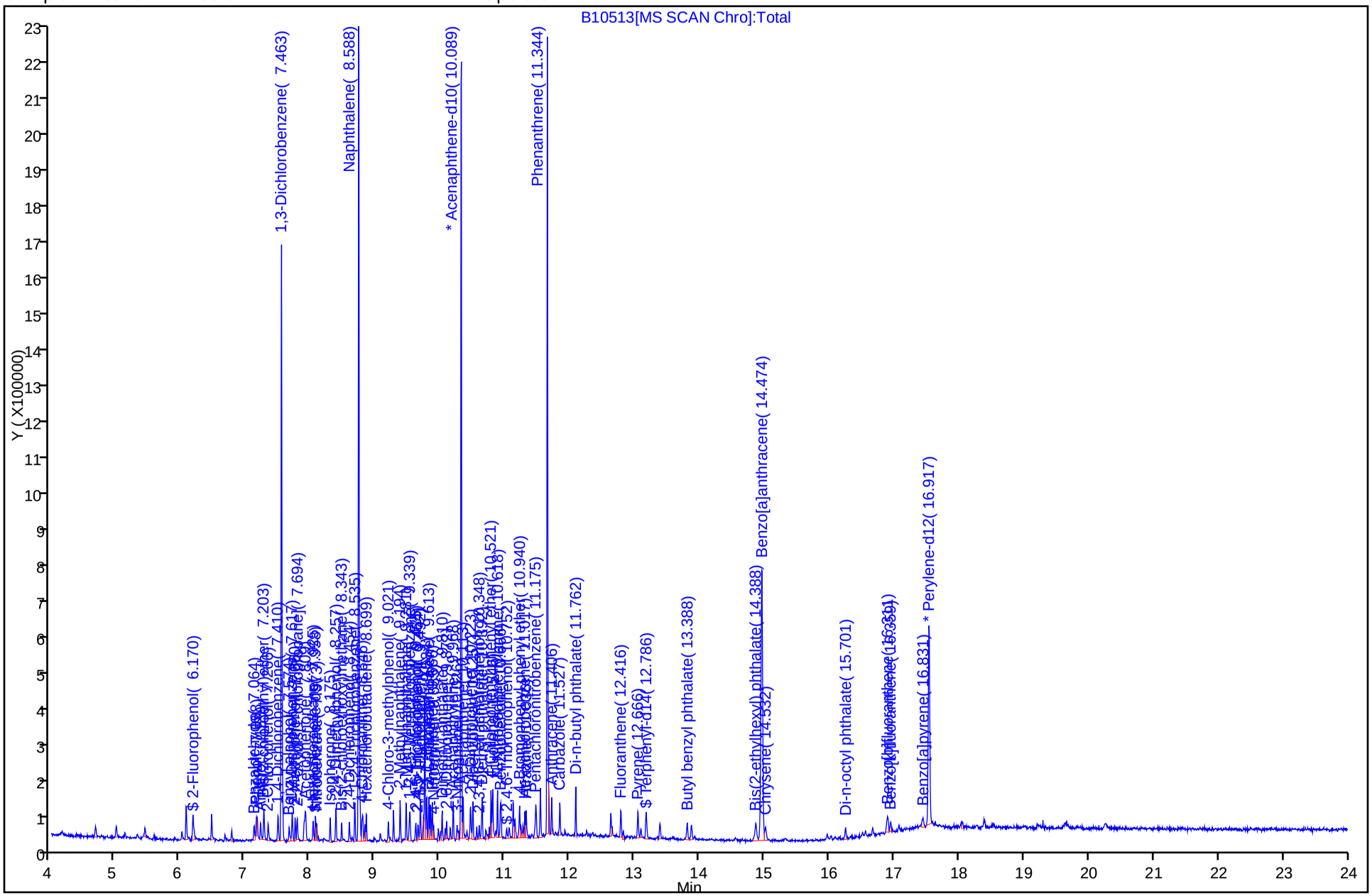
Inj Date: 23-Sep-2009 18:51:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 3

Client ID: Instrument: Inst. B

Sample Info: std01

Sample Amount: 1.00 ul Operator: MZ

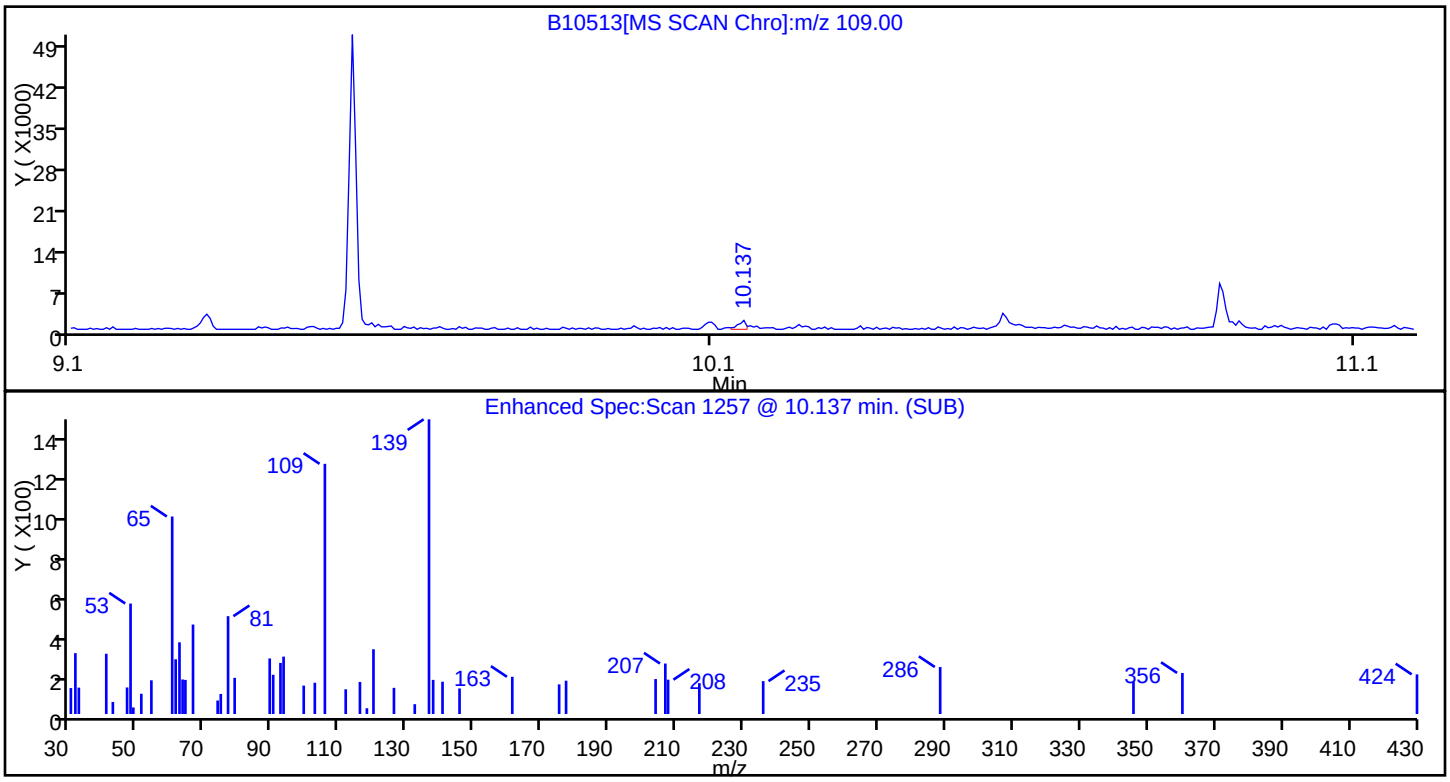


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Inj Date:	23-Sep-2009 18:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
10.14	109.00	1254	0.100000
10.14	139.00	1730	
10.13	64.00	110	

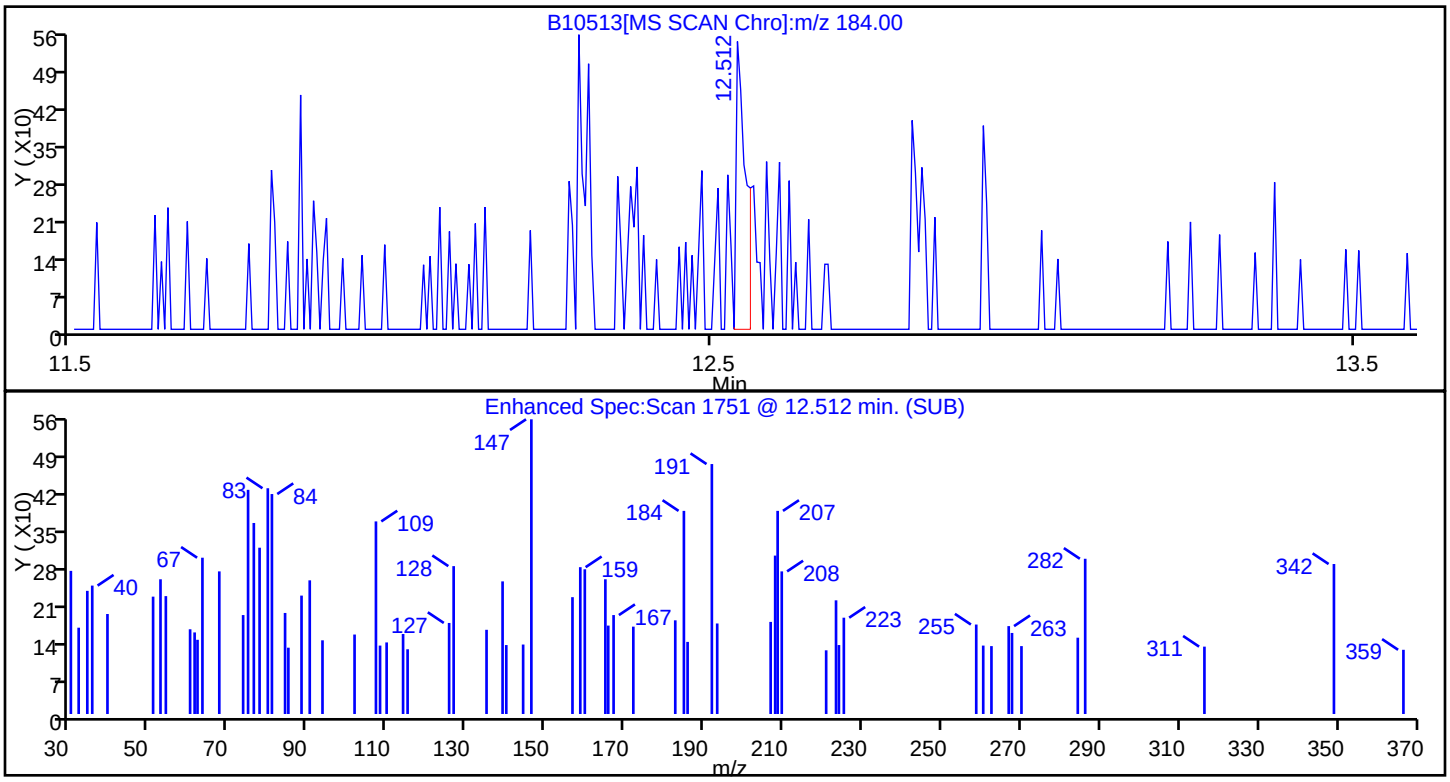
Reviewer: sullivanp, 25-Sep-2009 08:44:47
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Inj Date:	23-Sep-2009 18:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
12.51	184.00	533	0.100000
12.51	92.00	148	

Reviewer: sullivanp, 25-Sep-2009 08:44:47
Audit Action: Marked Compound Undetected
Audit Reason:

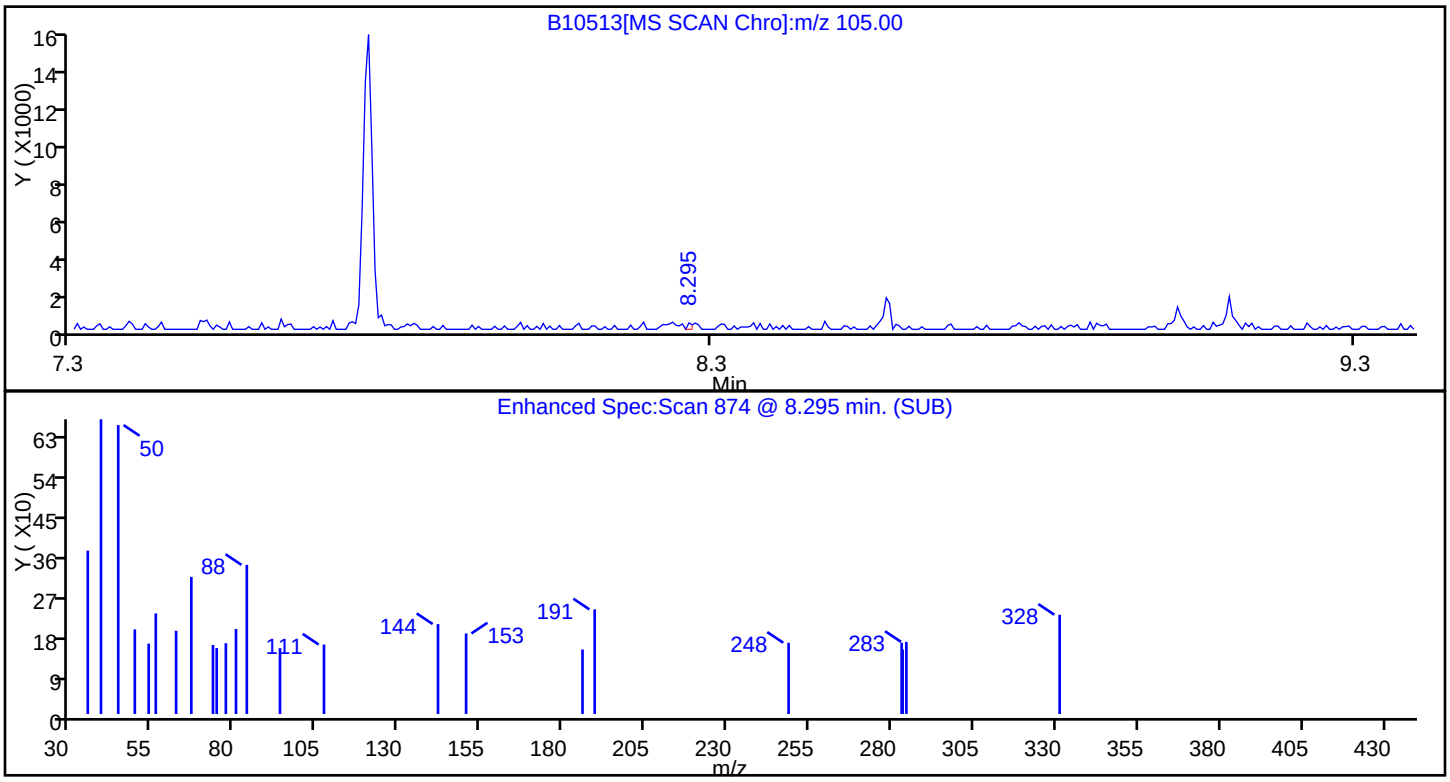
Chrom Revision: 1.1 20-Sep-2009 21:03:36

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Inj Date:	23-Sep-2009 18:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.30	105.00	169	0.100000
8.29	122.00	507	
8.30	77.00	302	

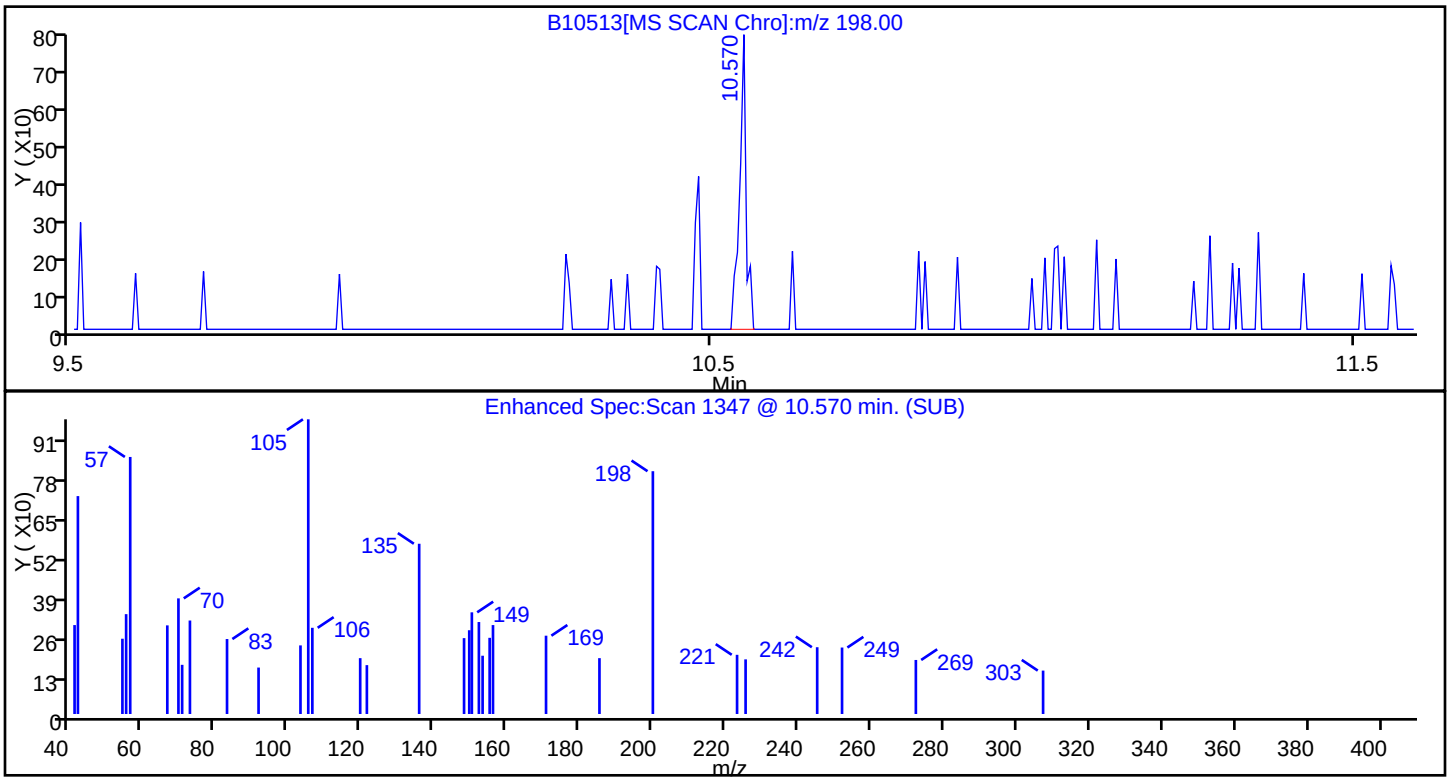
Reviewer: sullivanp, 25-Sep-2009 08:44:47
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Inj Date:	23-Sep-2009 18:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

70 4,6-Dinitro-2-methylphenol

Processing Results



RT	Mass	Response	Amount
10.57	198.00	550	0.100000
10.56	121.00	200	
10.57	105.00	487	

Reviewer: sullivanp, 25-Sep-2009 08:44:47
Audit Action: Marked Compound Undetected
Audit Reason:

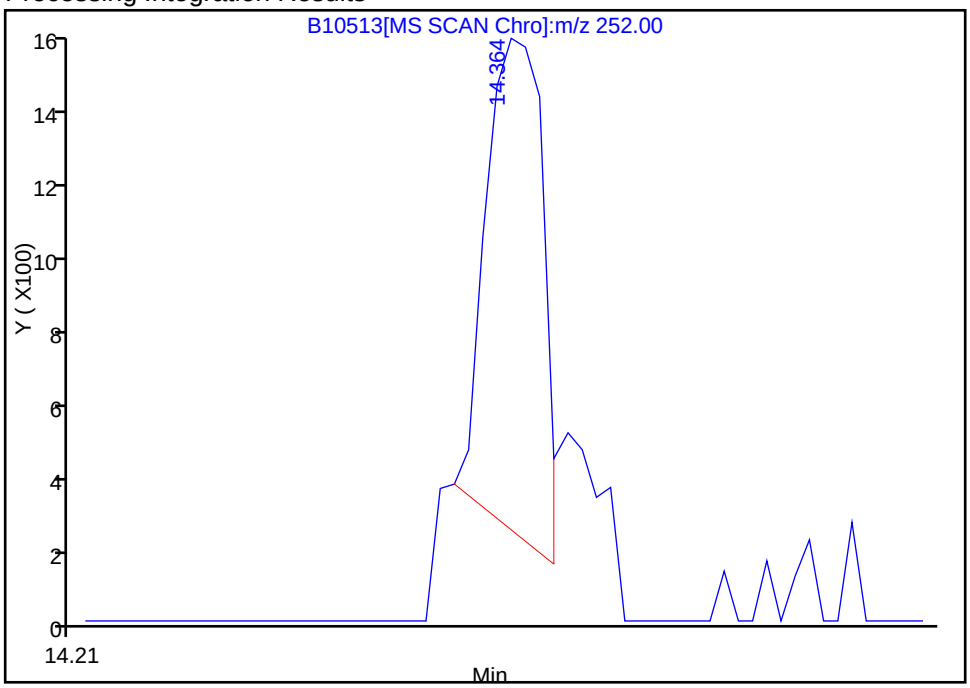
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Inj Date:	23-Sep-2009 18:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

91 3,3'-Dichlorobenzidine, Number: 1, m/z: 252 Type: quant, RT: 14.37

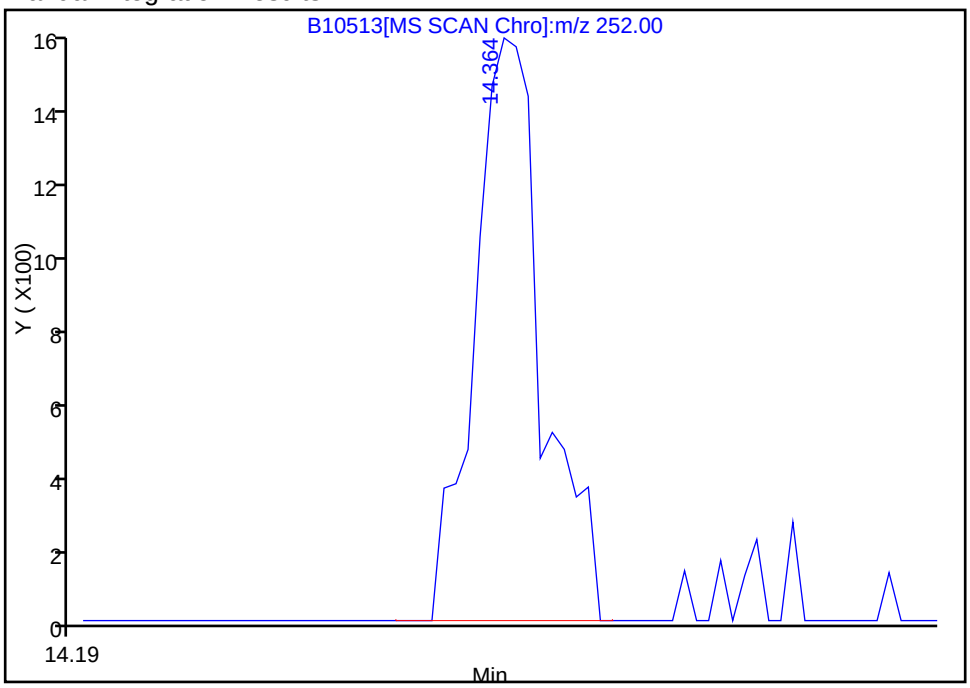
Processing Integration Results

RT: 14.36
Response: 1795
Amount: 0.100000



Manual Integration Results

RT: 14.36
Response: 2986
Amount: 0.157784



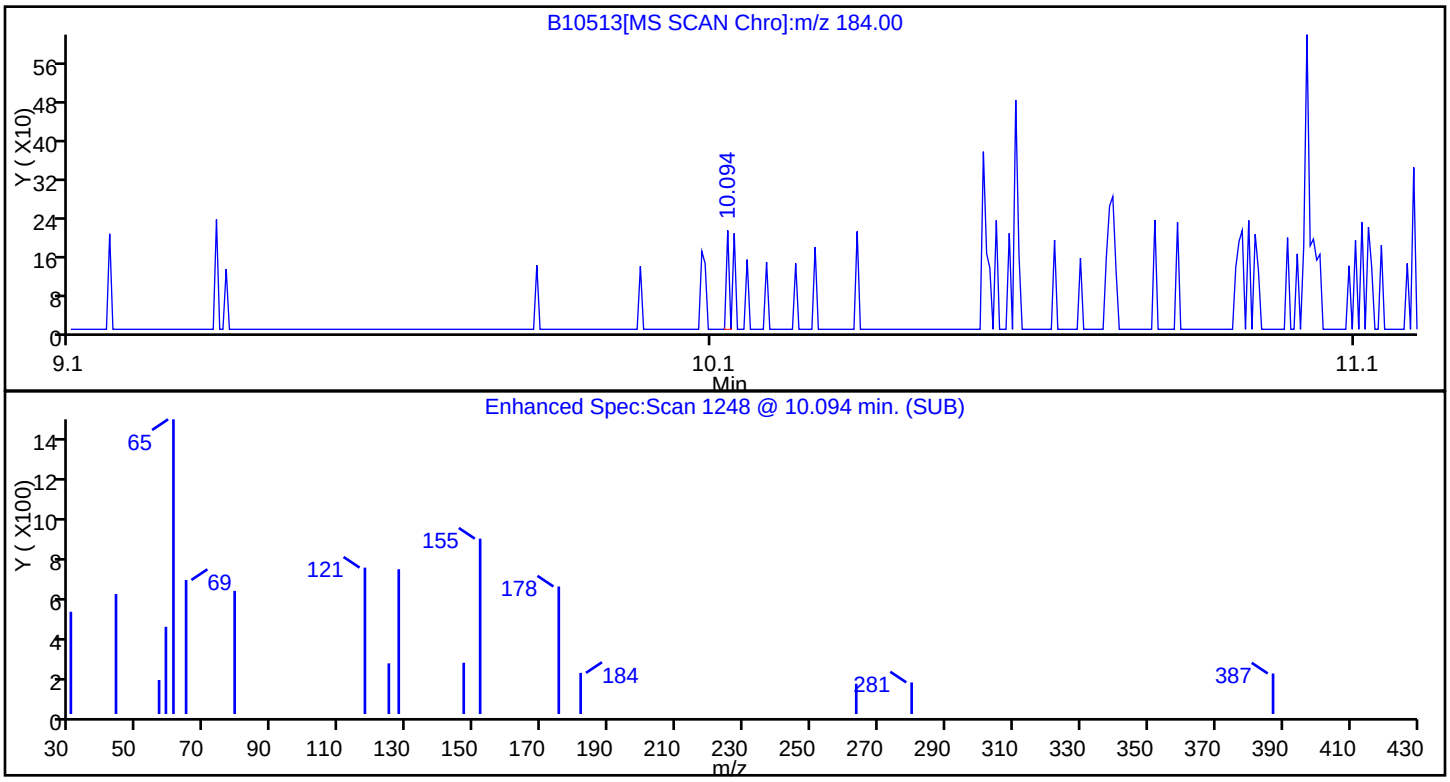
Reviewer: sullivanp, 25-Sep-2009 08:44:47
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Inj Date:	23-Sep-2009 18:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.09	184.00	60	0.007378
10.09	63.00	451	
10.09	154.00	1605	

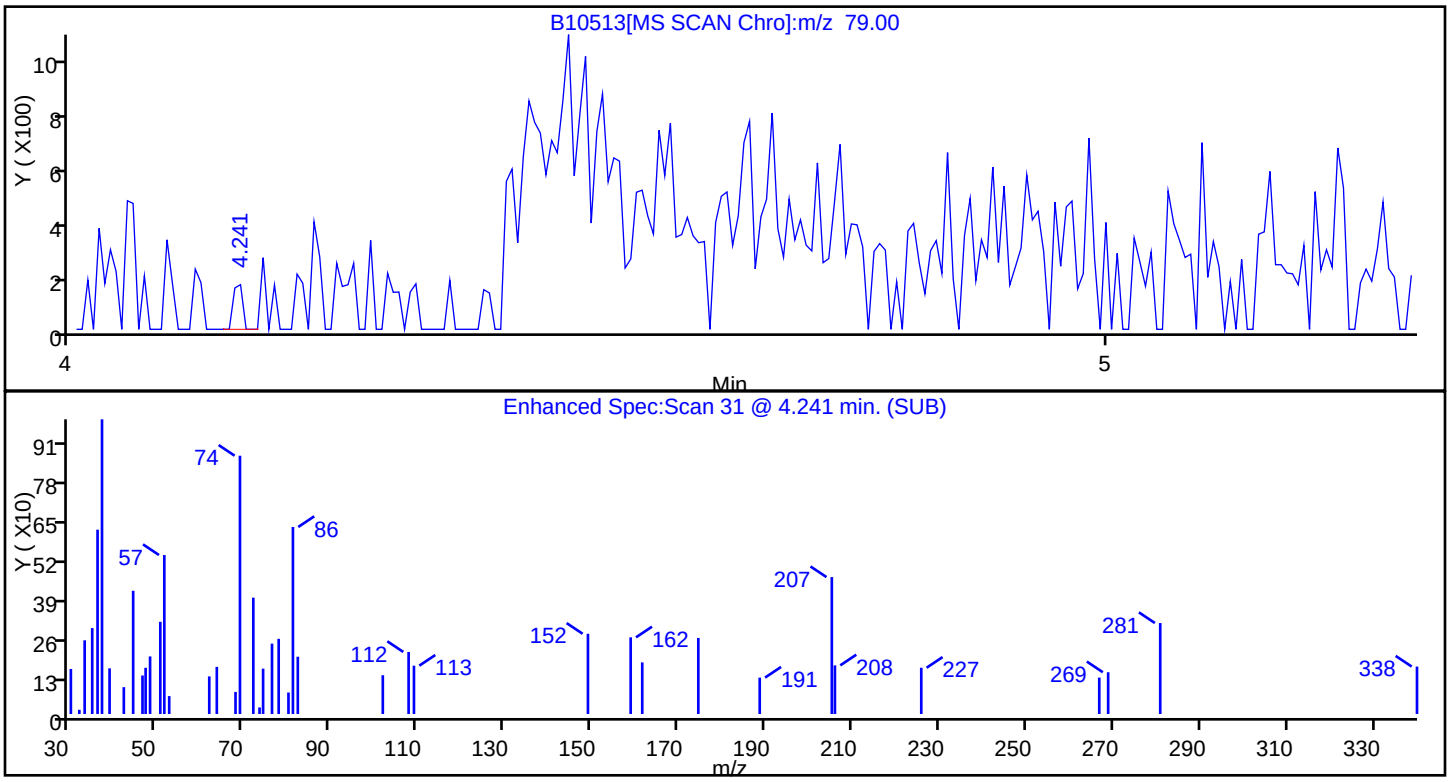
Reviewer: sullivanp, 25-Sep-2009 08:44:47
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10513.D		
Inj Date:	23-Sep-2009 18:51:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	3
Client ID:		Instrument:	Inst. B
Sample Info:	std01		
Sample Amount:	1.00 ul	Operator:	MZ

16 Pyridine

Processing Results



RT	Mass	Response	Amount
4.24	79.00	85	0.100000
4.26	52.00	428	
4.23	51.00	1693	

Reviewer: sullivanp, 25-Sep-2009 08:44:47
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10514.D		
Lims ID:	std025	Client ID:	
Inject. Date:	23-Sep-2009 19:22:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	std025		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49442	Lims Sample ID:	4
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 10:08:45	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 08:47:14
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:08:45

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.462	7.466	-0.004	357613	2.00	
* 2 Naphthalene-d8	136	8.592	8.592	0.000	858706	2.00	
* 3 Acenaphthene-d10	164	10.087	10.092	-0.005	412175	2.00	
* 4 Phenanthrene-d10	188	11.347	11.347	0.000	638676	2.00	
* 5 Chrysene-d12	240	14.478	14.482	-0.004	345545	2.00	
* 6 Perylene-d12	264	16.921	16.920	0.001	232355	2.00	
$ 7 2-Fluorophenol	112	6.168	6.168	0.000	21411	0.2357	
$ 8 Phenol-d5	99	7.096	7.101	-0.005	30097	0.2467	
$ 9 Nitrobenzene-d5	82	7.957	7.962	-0.005	29818	0.2720	
$ 10 2-Fluorobiphenyl	172	9.491	9.496	-0.005	64761	0.2439	
$ 11 2,4,6-Tribromophenol	330	10.751	10.756	-0.005	3364	0.2390	
$ 12 Terphenyl-d14	244	12.785	12.790	-0.005	37531	0.2591	
15 N-Nitrosodimethylamine	42	4.250	4.240	0.010	17405	0.2528	
16 Pyridine	79	4.341	4.242	0.099	17442	-0.664826	7M
17 Benzaldehyde	105	7.063	7.062	0.001	16624	0.2447	
18 Phenol	94	7.111	7.115	-0.004	33486	0.2612	
19 Aniline	93	7.159	7.159	0.000	35035	0.2374	
20 Bis(2-chloroethyl)ether	93	7.207	7.207	0.000	26256	0.2568	
21 2-Chlorophenol	128	7.269	7.269	0.000	26981	0.2480	
22 1,4-Dichlorobenzene	146	7.414	7.413	0.001	33882	0.2529	
23 1,3-Dichlorobenzene	146	7.476	7.481	-0.005	36835	0.2644	
24 Benzyl alcohol	79	7.577	7.577	0.000	19398	0.2337	
25 1,2-Dichlorobenzene	146	7.620	7.620	0.000	36994	0.2889	
26 2-Methylphenol	108	7.664	7.663	0.001	23339	0.2401	
27 2,2'-oxybis[1-chloropropane]	45	7.693	7.692	0.001	49382	0.2631	
28 3 & 4 Methylphenol	108	7.794	7.798	-0.004	23940	0.2347	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.808	7.813	-0.005	17062	0.2424	
30 Acetophenone	105	7.818	7.817	0.001	36530	0.2490	
31 Hexachloroethane	117	7.923	7.928	-0.005	11517	0.2429	
32 Nitrobenzene	77	7.976	7.976	0.000	30546	0.2770	
33 Isophorone	82	8.173	8.178	-0.005	44898	0.2541	
34 2-Nitrophenol	139	8.255	8.255	0.000	13048	0.2572	
35 2,4-Dimethylphenol	107	8.260	8.260	0.000	25325	0.2518	
37 Bis(2-chloroethoxy)methane	93	8.342	8.346	-0.004	30208	0.2774	
38 2,4-Dichlorophenol	162	8.457	8.457	0.000	19722	0.2455	
39 1,2,4-Trichlorobenzene	180	8.534	8.534	0.000	27190	0.2781	
40 Alpha-Terpineol	59	8.587	8.592	-0.005	23706	0.2558	
41 Naphthalene	128	8.611	8.611	0.000	86390	-0.005597	7
42 4-Chloroaniline	127	8.640	8.640	0.000	30061	0.2527	
43 Hexachlorobutadiene	225	8.702	8.702	0.000	14623	0.2489	
44 Caprolactam	55	8.904	8.928	-0.024	8750	0.2278	
45 4-Chloro-3-methylphenol	107	9.025	9.029	-0.004	18616	0.2390	
46 2-Methylnaphthalene	142	9.198	9.197	0.001	59682	0.2787	
47 1-Methylnaphthalene	142	9.284	9.284	0.000	57652	0.2765	
48 Hexachlorocyclopentadiene	237	9.328	9.327	0.001	5530	0.6483	
49 1,2,4,5-Tetrachlorobenzene	216	9.337	9.342	-0.005	23259	0.2769	
50 2,4,6-Trichlorophenol	196	9.424	9.428	-0.004	12062	0.1949	
51 2,4,5-Trichlorophenol	196	9.457	9.462	-0.005	13532	0.2304	
52 1,1'-Biphenyl	154	9.582	9.587	-0.005	70347	0.2497	
53 2-Chloronaphthalene	162	9.616	9.616	0.000	61231	0.2266	
54 Phenyl ether	170	9.664	9.669	-0.005	36314	0.2360	
68 4-Nitroaniline	138	9.683	9.688	-0.005	13118	0.2373	
56 Dimethyl phthalate	163	9.808	9.813	-0.005	60091	0.2403	
57 2,6-Dinitrotoluene	165	9.876	9.876	0.000	11613	0.2062	
58 Acenaphthylene	152	9.972	9.972	0.000	79736	0.2322	
59 3-Nitroaniline	138	10.025	10.029	-0.004	10440	0.2185	
61 Acenaphthene	153	10.116	10.116	0.000	55276	0.2335	
62 4-Nitrophenol	109	10.135	10.135	0.000	3565	0.2669	
63 2,4-Dinitrotoluene	165	10.217	10.222	-0.005	12586	0.2464	
64 Dibenzofuran	168	10.256	10.260	-0.004	76609	0.2465	
65 2,3,4,6-Tetrachlorophenol	232	10.352	10.352	0.000	7567	0.2285	
66 Diethyl phthalate	149	10.395	10.400	-0.005	61764	0.2361	
67 4-Chlorophenyl phenyl ether	204	10.525	10.525	0.000	27353	0.2380	
55 2-Nitroaniline	65	10.539	10.544	-0.005	11874	0.2453	
69 Fluorene	166	10.549	10.549	0.000	60130	0.2292	
70 4,6-Dinitro-2-methylphenol	198	10.568	10.568	0.000	1428	0.3396	
71 Diphenylamine	169	10.616	10.621	-0.005	49072	0.2389	
72 N-Nitrosodiphenylamine	169	10.616	10.621	-0.005	49072	0.2389	
73 1,2-Diphenylhydrazine	77	10.660	10.664	-0.004	86305	0.2284	
74 Azobenzene	77	10.660	10.664	-0.004	86305	0.2284	
13 Benzophenone	105	10.669	10.674	-0.005	51502	0.2256	
75 4-Bromophenyl phenyl ether	248	10.939	10.943	-0.004	13659	0.2399	
76 Hexachlorobenzene	284	11.020	11.020	0.000	12620	0.2314	
77 Atrazine	200	11.040	11.039	0.001	12810	0.2194	
79 Pentachloronitrobenzene	237	11.184	11.188	-0.004	5238	0.2495	
80 Phenanthrene	178	11.367	11.366	0.001	83517	0.2575	
81 Anthracene	178	11.410	11.410	0.000	69331	0.2275	
83 Carbazole	167	11.530	11.530	0.000	62154	0.2390	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	11.761	11.761	0.000	98922	0.2494	
87 Fluoranthene	202	12.420	12.419	0.001	62422	0.2217	
85 Pyrene	202	12.670	12.669	0.001	66470	0.2734	
89 Butyl benzyl phthalate	149	13.391	13.391	0.000	23767	0.2141	
91 3,3'-Dichlorobenzidine	252	14.362	14.372	-0.010	5648	0.2209	
92 Bis(2-ethylhexyl) phthalate	149	14.396	14.391	0.005	30954	0.2002	
93 Benzo[a]anthracene	228	14.459	14.463	-0.004	35271	0.2326	
94 Chrysene	228	14.536	14.540	-0.004	37759	0.2551	
95 Di-n-octyl phthalate	149	15.704	15.704	0.000	27510	0.2243	
97 Benzo[b]fluoranthene	252	16.320	16.324	-0.004	28922	0.2207	
98 Benzo[k]fluoranthene	252	16.363	16.367	-0.004	26365	0.2186	
99 Benzo[a]pyrene	252	16.829	16.834	-0.005	18814	0.1971	
100 Indeno[1,2,3-cd]pyrene	276	18.902	18.911	-0.009	14330	0.2094	
101 Dibenz(a,h)anthracene	278	18.931	18.940	-0.009	10723	0.2108	
102 Benzo[g,h,i]perylene	276	19.498	19.508	-0.010	15645	0.2263	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 10:08:46 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10514.D

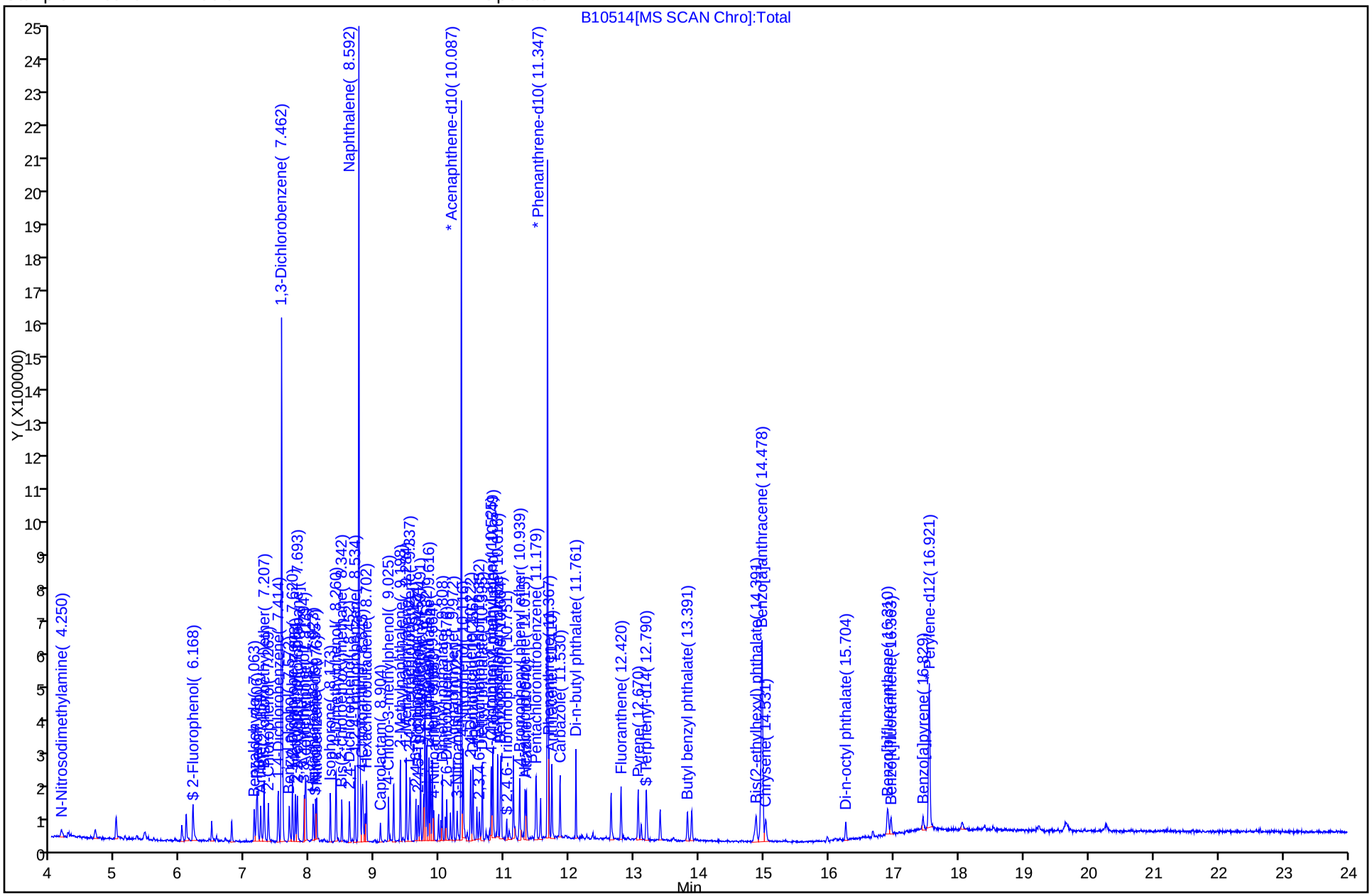
Inj Date: 23-Sep-2009 19:22:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 4

Client ID: Instrument: Inst. B

Sample Info: std025

Sample Amount: 1.00 ul Operator: MZ

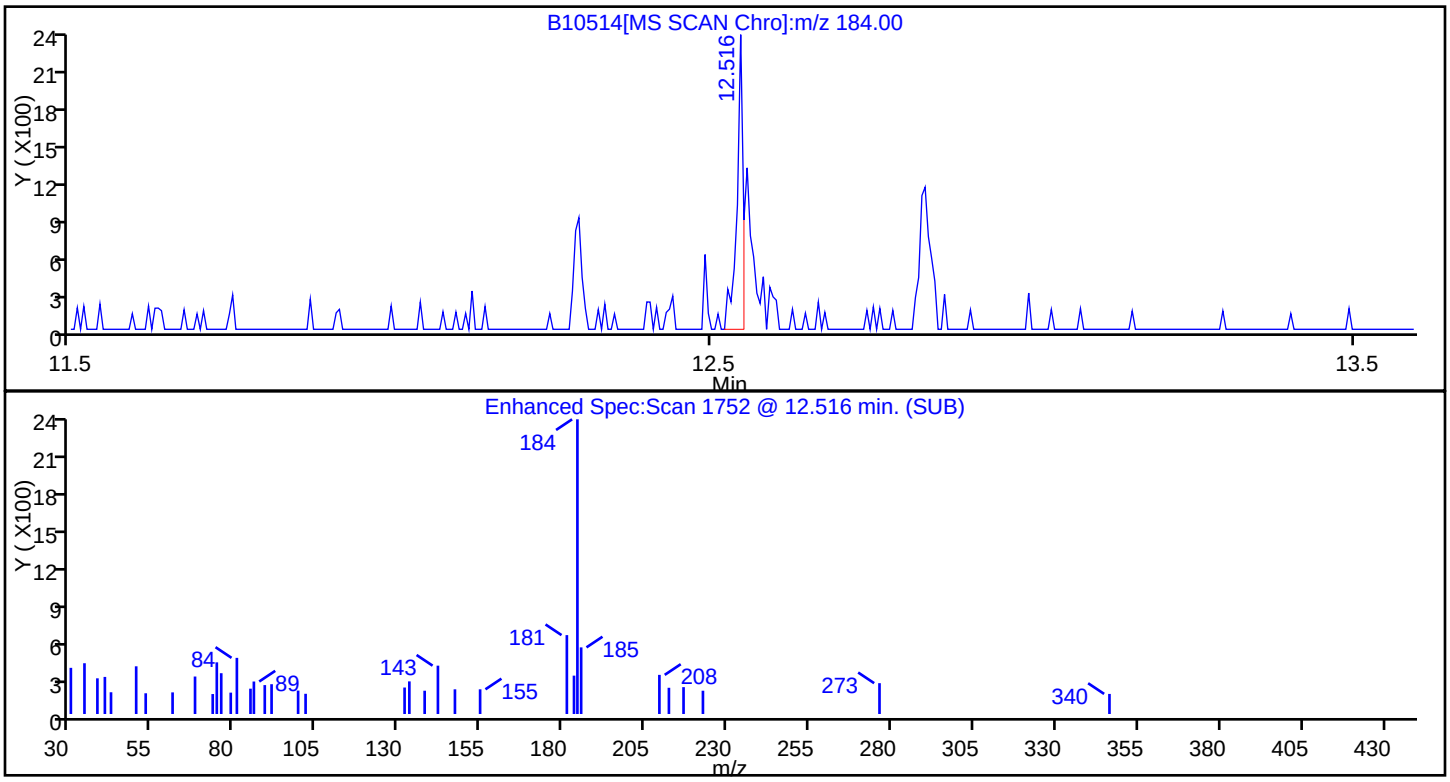


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10514.D		
Inj Date:	23-Sep-2009 19:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

86 Benzidine

Processing Results



RT	Mass	Response	Amount
12.52	184.00	1482	0.250000
12.51	92.00	204	

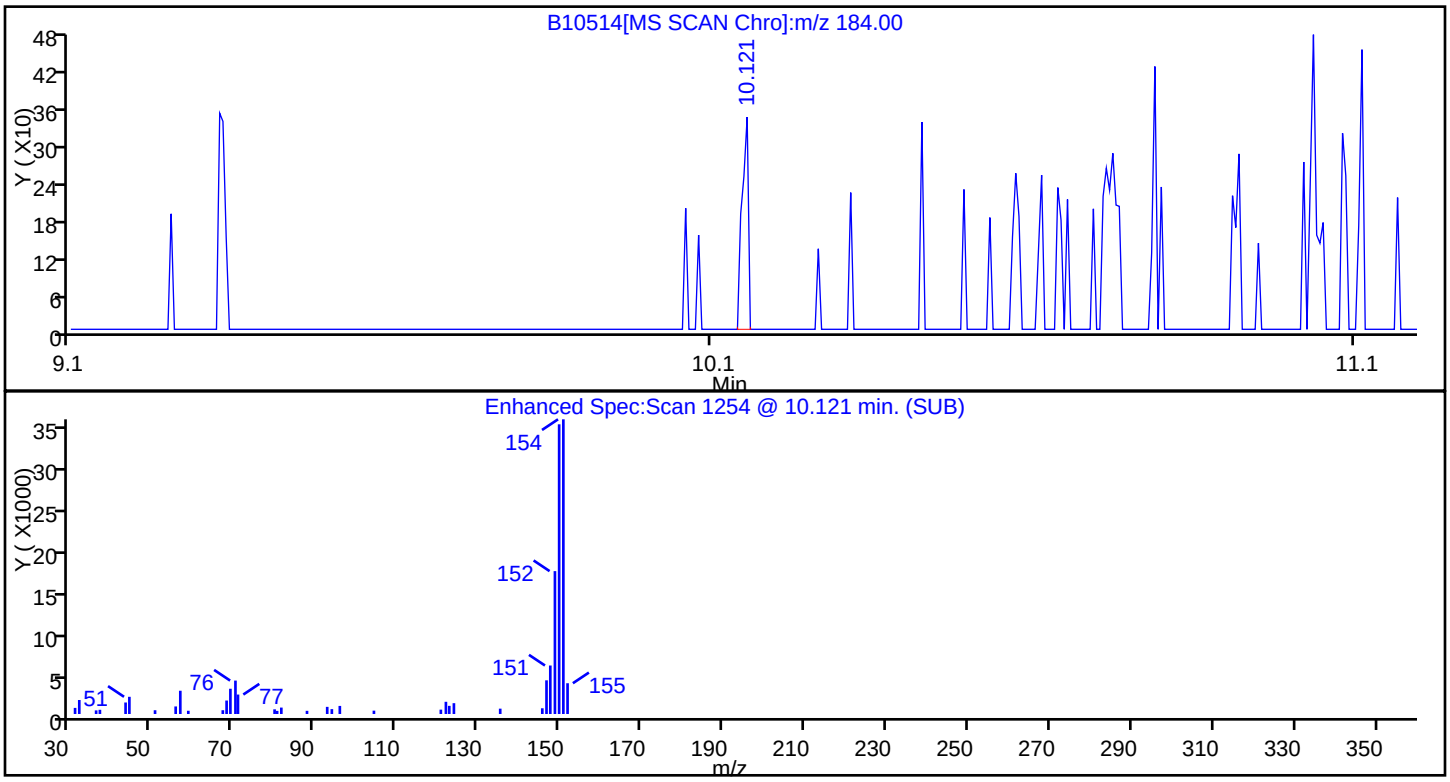
Reviewer: sullivanp, 25-Sep-2009 08:47:14
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10514.D		
Inj Date:	23-Sep-2009 19:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.12	184.00	222	0.027436
10.12	63.00	6949	
10.12	154.00	54532	

Reviewer: sullivanp, 25-Sep-2009 08:47:14
Audit Action: Marked Compound Undetected
Audit Reason:

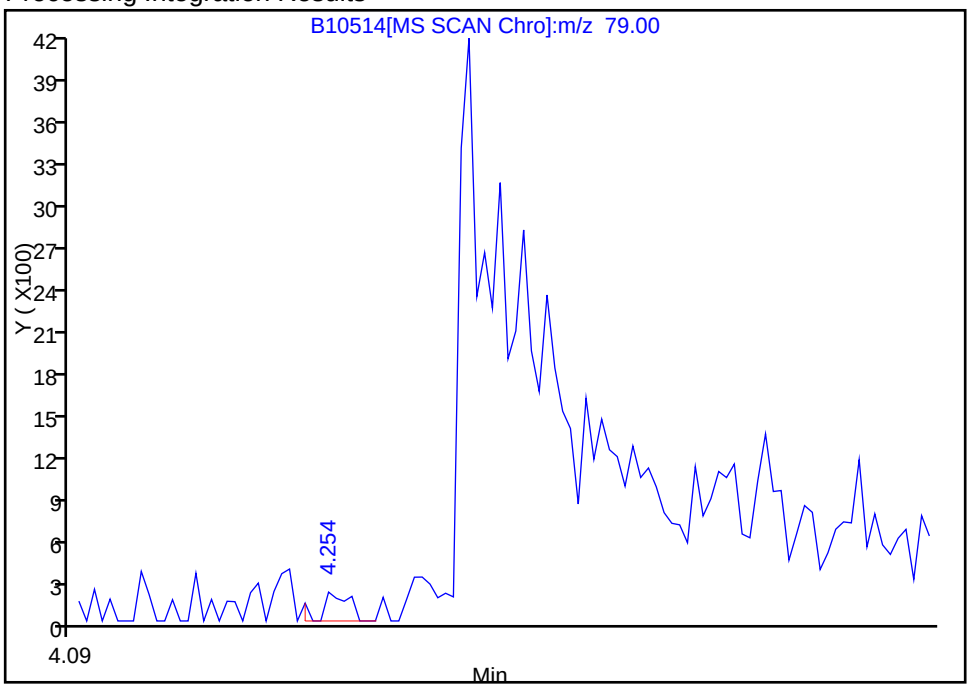
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10514.D		
Inj Date:	23-Sep-2009 19:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

16 Pyridine, Number: 1, m/z: 79 Type: quant, RT: 4.24

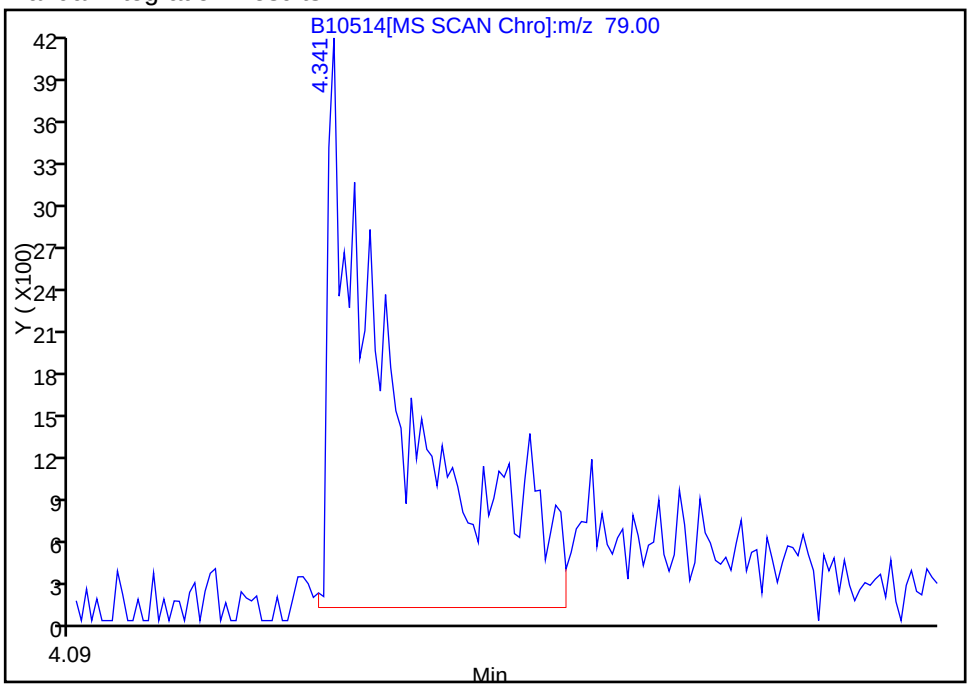
Processing Integration Results

RT: 4.25
Response: 233
Amount: 0.250000



Manual Integration Results

RT: 4.34
Response: 17442
Amount: -0.664826



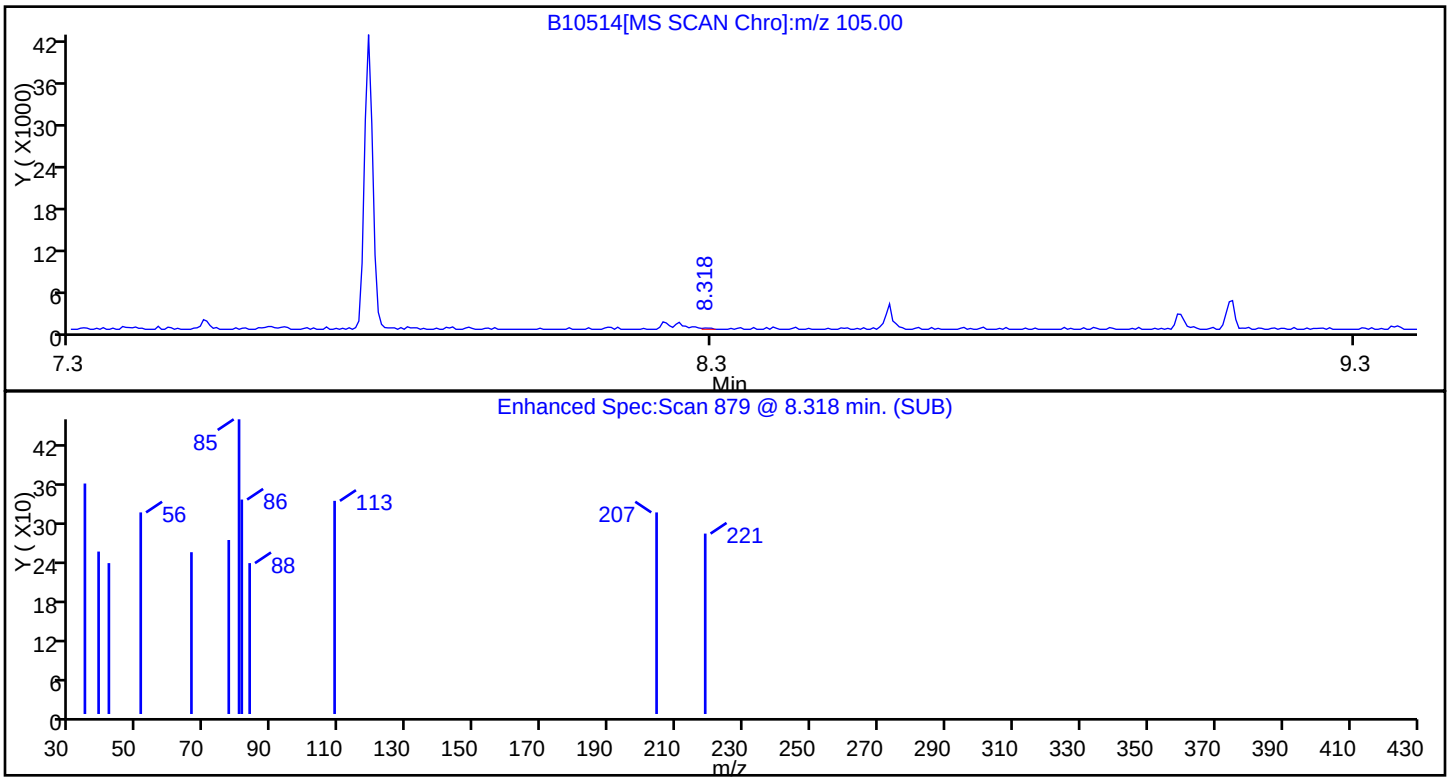
Reviewer: sullivanp, 25-Sep-2009 08:47:14
Audit Action: Manually Integrated
Audit Reason: Assign Peak

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10514.D		
Inj Date:	23-Sep-2009 19:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
8.32	105.00	181	0.250000
8.32	122.00	214	
8.31	77.00	215	

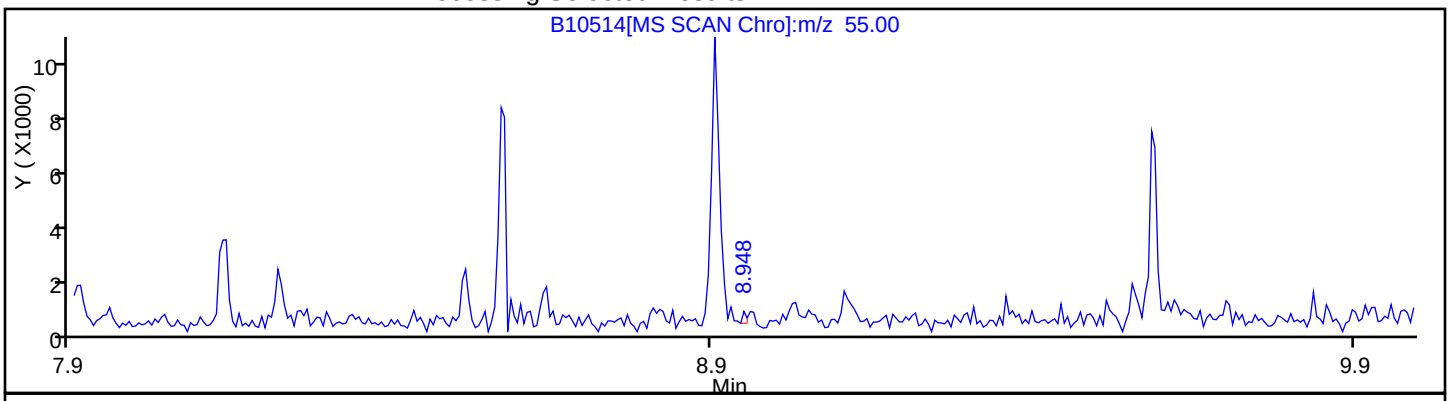
Reviewer: sullivanp, 25-Sep-2009 08:47:14
Audit Action: Marked Compound Undetected
Audit Reason:

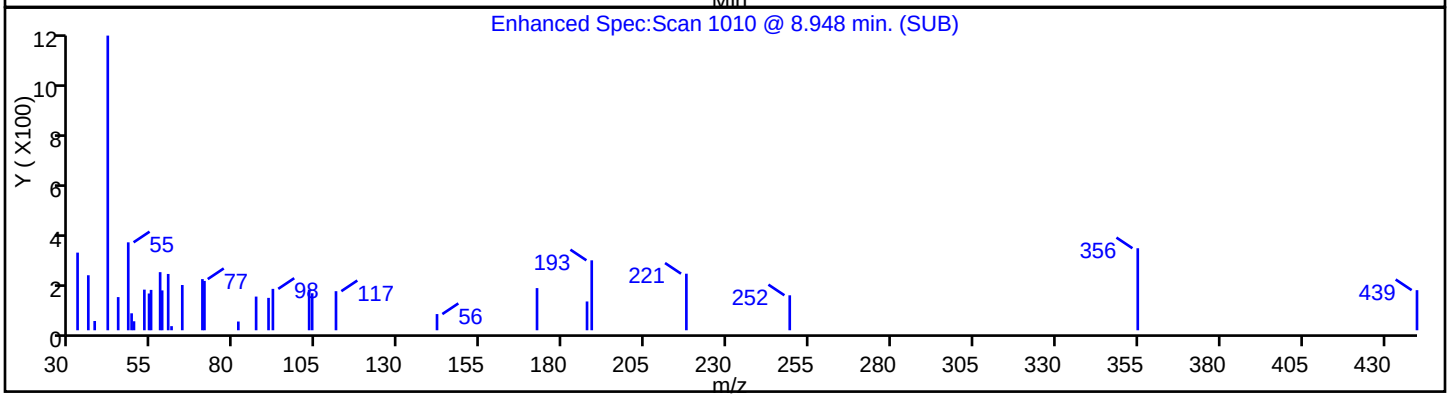
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10514.D		
Inj Date:	23-Sep-2009 19:22:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	4
Client ID:		Instrument:	Inst. B
Sample Info:	std025		
Sample Amount:	1.00 ul	Operator:	MZ

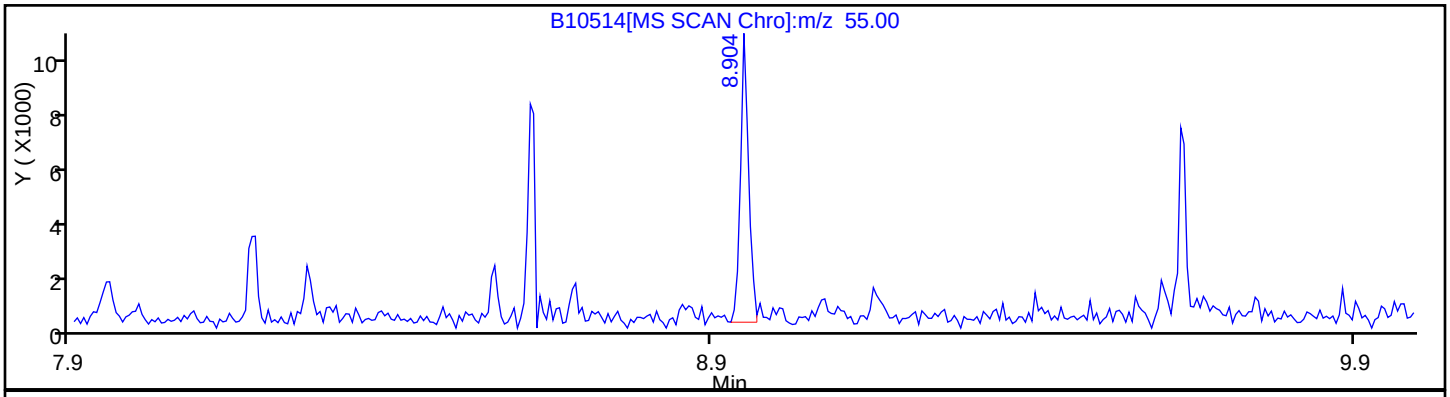
44 Caprolactam

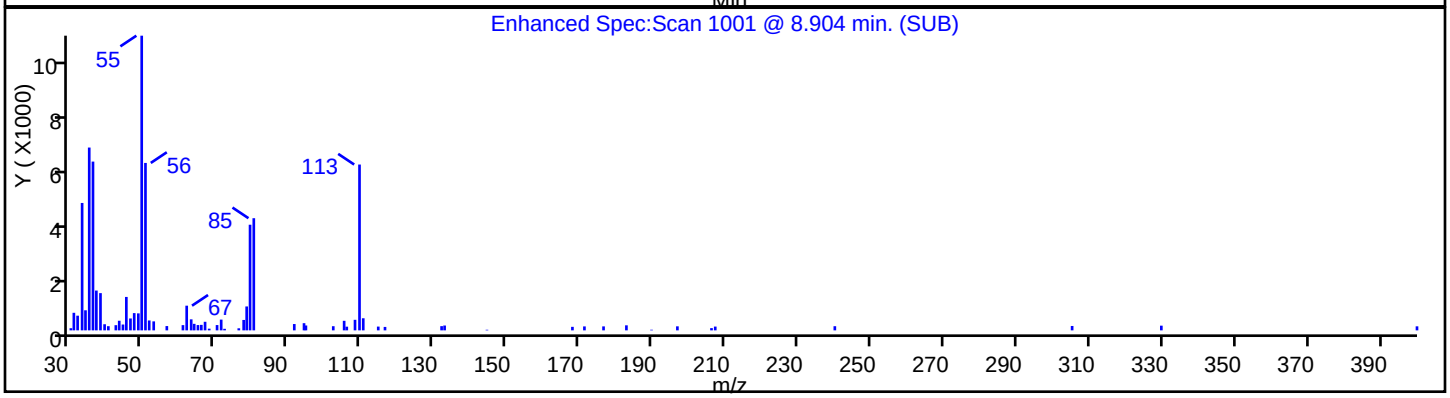
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 25-Sep-2009 08:47:14
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10515.D		
Lims ID:	std05	Client ID:	
Inject. Date:	23-Sep-2009 19:54:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	std05		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49442	Lims Sample ID:	5
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 10:08:54	Calib Date:	23-Sep-2009 20:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10516.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 09:16:12
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:08:54

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.464	7.460	0.004	363478	2.00	
* 2 Naphthalene-d8	136	8.590	8.590	0.000	868704	2.00	
* 3 Acenaphthene-d10	164	10.090	10.090	0.000	417150	2.00	
* 4 Phenanthrene-d10	188	11.345	11.346	-0.001	684457	2.00	
* 5 Chrysene-d12	240	14.480	14.481	-0.001	416229	2.00	
* 6 Perylene-d12	264	16.918	16.919	-0.001	275112	2.00	
$ 7 2-Fluorophenol	112	6.166	6.166	0.000	47134	0.4976	
$ 8 Phenol-d5	99	7.099	7.099	0.000	62173	0.5073	
$ 9 Nitrobenzene-d5	82	7.960	7.960	0.000	57899	0.4993	
$ 10 2-Fluorobiphenyl	172	9.494	9.494	0.000	130439	0.4964	
$ 11 2,4,6-Tribromophenol	330	10.754	10.754	0.000	8367	0.4497	
$ 12 Terphenyl-d14	244	12.788	12.788	0.000	91540	0.5232	
15 N-Nitrosodimethylamine	42	4.238	4.233	0.005	37651	0.5281	
16 Pyridine	79	4.286	4.341	-0.055	25326	0.3928	
17 Benzaldehyde	105	7.060	7.061	-0.001	35212	0.5086	
18 Phenol	94	7.109	7.109	0.000	65847	0.5040	
19 Aniline	93	7.157	7.157	0.000	73615	0.5011	
20 Bis(2-chloroethyl)ether	93	7.210	7.205	0.005	50144	0.4799	
21 2-Chlorophenol	128	7.267	7.268	-0.001	54574	0.4946	
22 1,4-Dichlorobenzene	146	7.411	7.412	-0.001	68655	0.4923	
23 1,3-Dichlorobenzene	146	7.479	7.479	0.000	74358	0.5142	
24 Benzyl alcohol	79	7.575	7.575	0.000	42421	0.5105	
25 1,2-Dichlorobenzene	146	7.618	7.619	-0.001	69507	0.4988	
26 2-Methylphenol	108	7.662	7.662	0.000	49339	0.5057	
27 2,2'-oxybis[1-chloropropane]	45	7.695	7.691	0.004	101317	0.5071	
28 3 & 4 Methylphenol	108	7.791	7.797	-0.006	51960	0.5168	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.806	7.806	0.000	35423	0.4965	
30 Acetophenone	105	7.815	7.816	-0.001	74360	0.5078	
31 Hexachloroethane	117	7.926	7.926	0.000	24515	0.5178	
32 Nitrobenzene	77	7.974	7.975	-0.001	60881	0.5167	
33 Isophorone	82	8.176	8.177	-0.001	95832	0.5213	
34 2-Nitrophenol	139	8.253	8.253	0.000	27182	0.5081	
35 2,4-Dimethylphenol	107	8.258	8.258	0.000	55055	0.5183	
36 Benzoic acid	105	8.287	8.311	-0.024	4234	0.6421	
37 Bis(2-chloroethoxy)methane	93	8.344	8.345	-0.001	58622	0.4973	
38 2,4-Dichlorophenol	162	8.455	8.455	0.000	43738	0.5231	
39 1,2,4-Trichlorobenzene	180	8.532	8.537	-0.005	53146	0.5062	
40 Alpha-Terpineol	59	8.590	8.590	0.000	48364	0.5020	
41 Naphthalene	128	8.609	8.609	0.000	175153	0.5115	
42 4-Chloroaniline	127	8.638	8.638	0.000	61715	0.5003	
43 Hexachlorobutadiene	225	8.700	8.701	-0.001	28626	0.5110	
44 Caprolactam	55	8.907	8.927	-0.020	19392	0.5098	
45 4-Chloro-3-methylphenol	107	9.022	9.028	-0.006	41411	0.4991	
46 2-Methylnaphthalene	142	9.196	9.196	0.000	118596	0.5136	
47 1-Methylnaphthalene	142	9.282	9.283	-0.001	116720	0.5177	
48 Hexachlorocyclopentadiene	237	9.325	9.326	-0.001	15212	0.4587	
49 1,2,4,5-Tetrachlorobenzene	216	9.340	9.340	0.000	46313	0.5118	
50 2,4,6-Trichlorophenol	196	9.426	9.427	-0.001	28353	0.5058	
51 2,4,5-Trichlorophenol	196	9.455	9.460	-0.005	29396	0.5067	
52 1,1'-Biphenyl	154	9.580	9.585	-0.005	136818	0.4876	
53 2-Chloronaphthalene	162	9.614	9.614	0.000	134416	0.5059	
54 Phenyl ether	170	9.667	9.667	0.000	75776	0.5198	
68 4-Nitroaniline	138	9.686	9.686	0.000	29986	0.4989	
56 Dimethyl phthalate	163	9.811	9.811	0.000	124356	0.5072	
57 2,6-Dinitrotoluene	165	9.874	9.879	-0.005	26000	0.4942	
58 Acenaphthylene	152	9.970	9.975	-0.005	166529	0.4985	
59 3-Nitroaniline	138	10.027	10.028	-0.001	25092	0.5211	
61 Acenaphthene	153	10.114	10.114	0.000	114455	0.4961	
62 4-Nitrophenol	109	10.133	10.134	-0.001	10720	0.4825	
63 2,4-Dinitrotoluene	165	10.220	10.220	0.000	27663	0.4581	
64 Dibenzofuran	168	10.258	10.259	-0.001	153274	0.4939	
65 2,3,4,6-Tetrachlorophenol	232	10.350	10.350	0.000	18879	0.4594	
66 Diethyl phthalate	149	10.393	10.398	-0.005	129106	0.4955	
67 4-Chlorophenyl phenyl ether	204	10.523	10.523	0.000	54891	0.4929	
55 2-Nitroaniline	65	10.542	10.542	0.000	29136	0.5675	
69 Fluorene	166	10.547	10.547	0.000	125445	0.4936	
70 4,6-Dinitro-2-methylphenol	198	10.566	10.566	0.000	5538	0.5167	
71 Diphenylamine	169	10.619	10.619	0.000	105374	0.5008	
72 N-Nitrosodiphenylamine	169	10.619	10.619	0.000	105374	0.5008	
73 1,2-Diphenylhydrazine	77	10.662	10.663	-0.001	189553	0.4979	
74 Azobenzene	77	10.662	10.663	-0.001	189553	0.4979	
13 Benzophenone	105	10.667	10.672	-0.005	114807	0.5073	
75 4-Bromophenyl phenyl ether	248	10.941	10.942	-0.001	29592	0.5137	
76 Hexachlorobenzene	284	11.018	11.018	0.000	28277	0.4987	
77 Atrazine	200	11.037	11.038	-0.001	29084	0.5026	
79 Pentachloronitrobenzene	237	11.186	11.187	-0.001	10814	0.4574	
80 Phenanthrene	178	11.364	11.365	-0.001	165809	0.4804	
81 Anthracene	178	11.408	11.408	0.000	156591	0.5071	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.528	11.528	0.000	141567	0.5162	
84 Di-n-butyl phthalate	149	11.759	11.759	0.000	204416	0.4675	
87 Fluoranthene	202	12.417	12.418	-0.001	143148	0.5026	
86 Benzidine	184	12.514	12.514	0.000	6323	0.5066	
85 Pyrene	202	12.668	12.668	0.000	150753	0.5037	
89 Butyl benzyl phthalate	149	13.389	13.389	0.000	60701	0.4995	
91 3,3'-Dichlorobenzidine	252	14.365	14.364	0.001	18945	0.4501	
92 Bis(2-ethylhexyl) phthalate	149	14.389	14.389	0.000	78134	0.4664	
93 Benzo[a]anthracene	228	14.456	14.457	-0.001	87818	0.5061	
94 Chrysene	228	14.533	14.534	-0.001	85899	0.4869	
95 Di-n-octyl phthalate	149	15.702	15.702	0.000	85940	0.4682	
97 Benzo[b]fluoranthene	252	16.317	16.323	-0.006	74797	0.5107	
98 Benzo[k]fluoranthene	252	16.361	16.361	0.000	64068	0.4847	
99 Benzo[a]pyrene	252	16.827	16.832	-0.005	47450	0.4752	
100 Indeno[1,2,3-cd]pyrene	276	18.905	18.910	-0.006	37475	0.4566	
101 Dibenz(a,h)anthracene	278	18.929	18.939	-0.010	28320	0.4528	
102 Benzo[g,h,i]perylene	276	19.491	19.506	-0.015	34229	0.4416	

Report Date: 25-Sep-2009 10:08:55 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10515.D

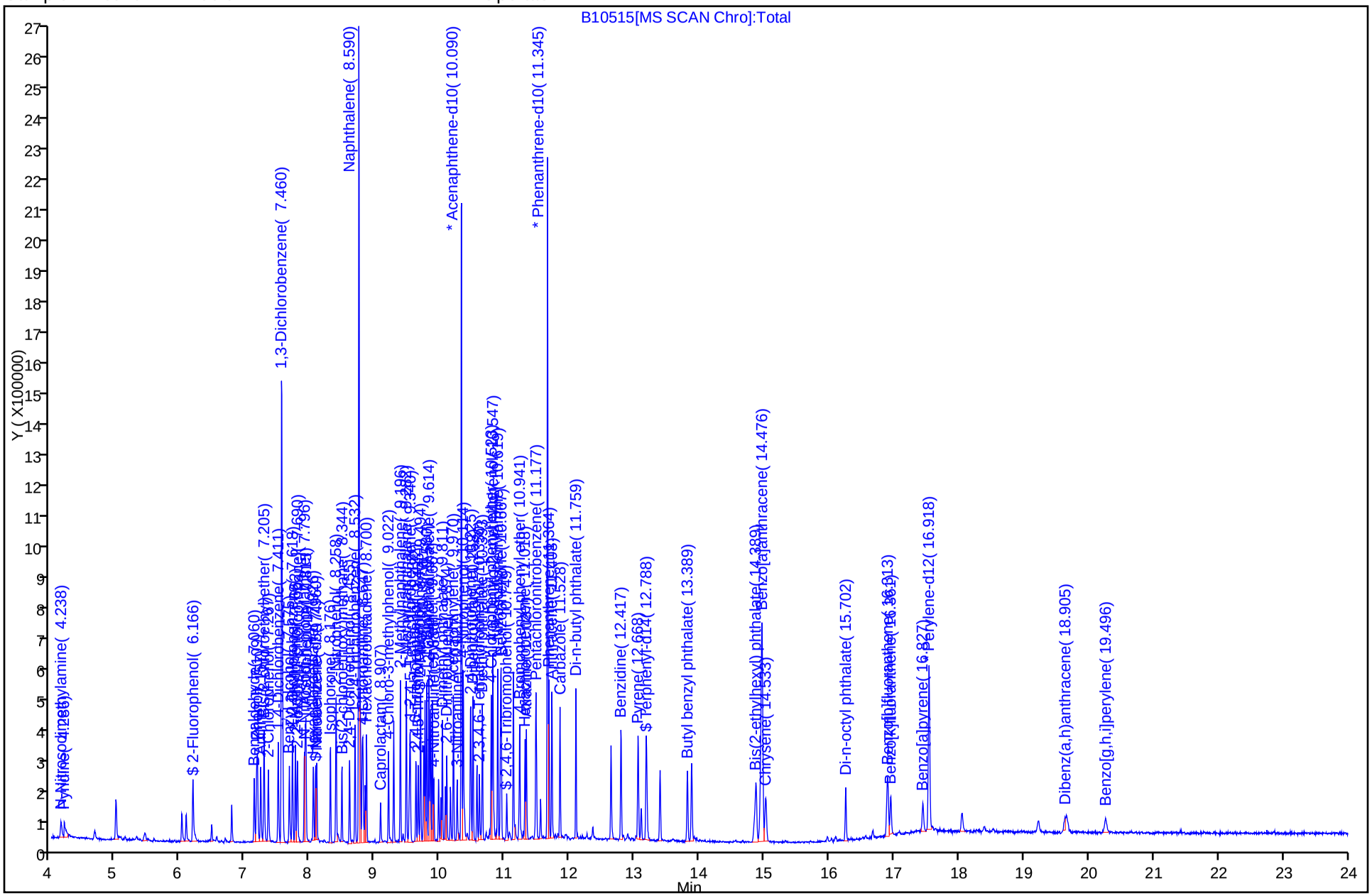
Inj Date: 23-Sep-2009 19:54:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 5

Client ID: Instrument: Inst. B

Sample Info: std05

Sample Amount: 1.00 ul Operator: MZ

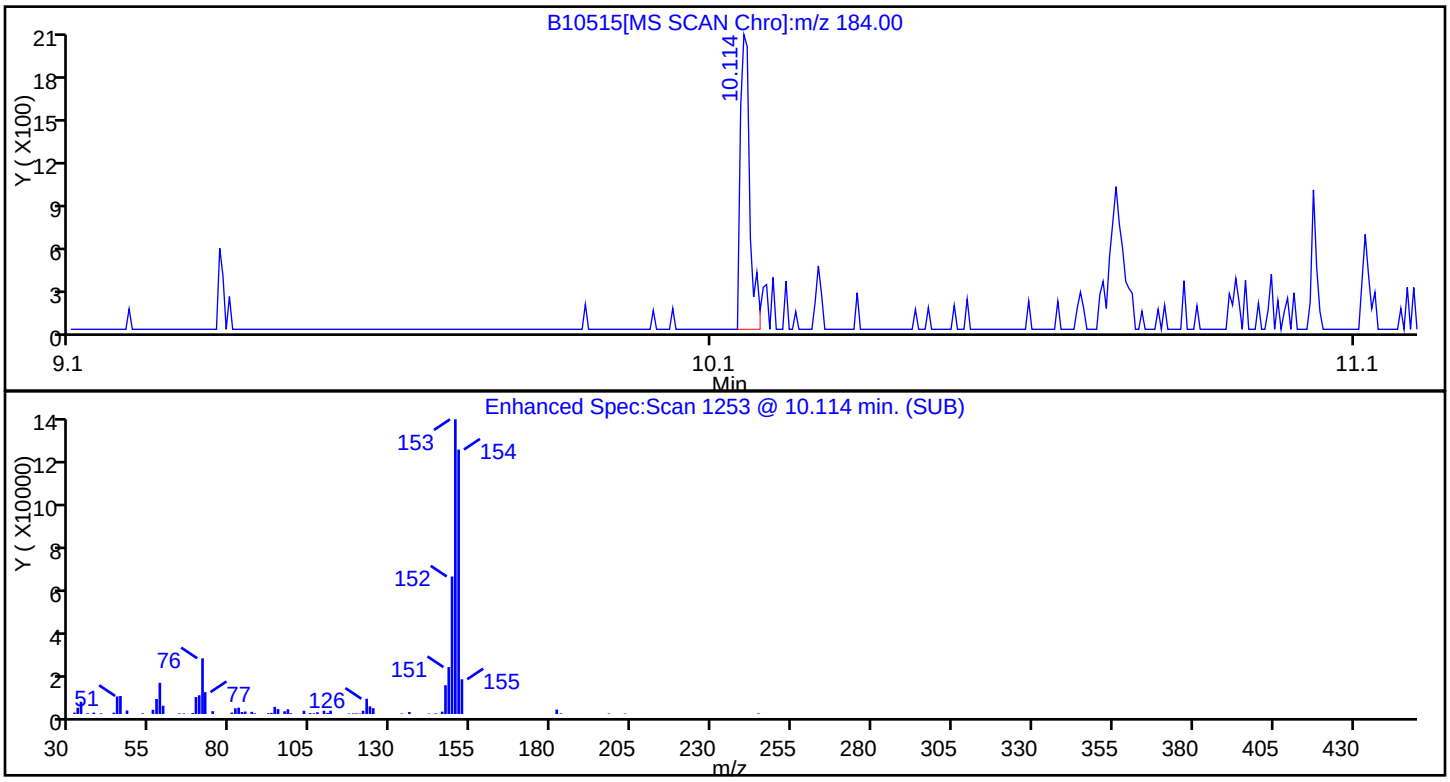


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10515.D		
Inj Date:	23-Sep-2009 19:54:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
10.11	184.00	1972	0.203051
10.11	63.00	13176	
10.11	154.00	105605	

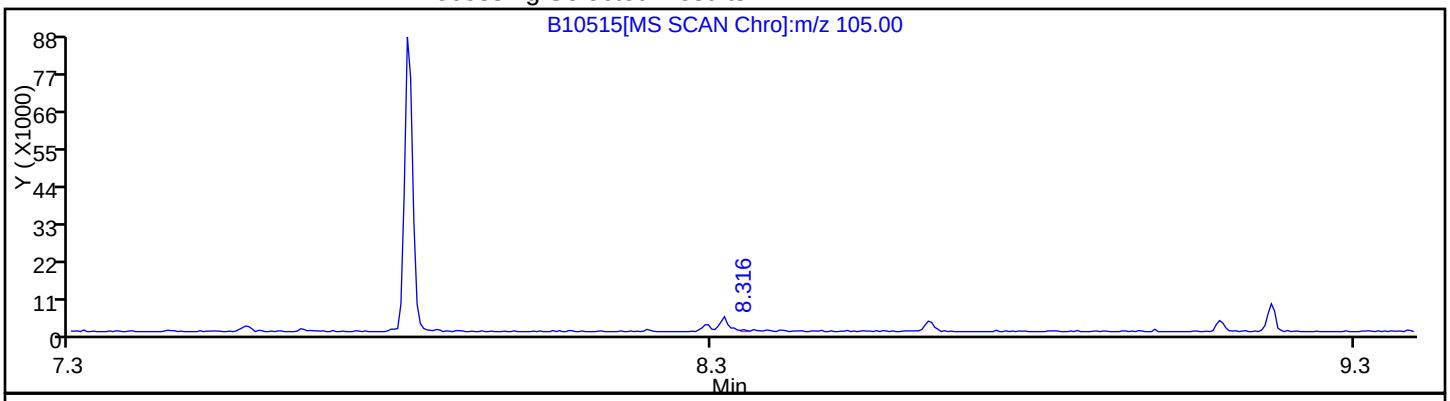
Reviewer: sullivanp, 25-Sep-2009 09:16:12
Audit Action: Marked Compound Undetected
Audit Reason:

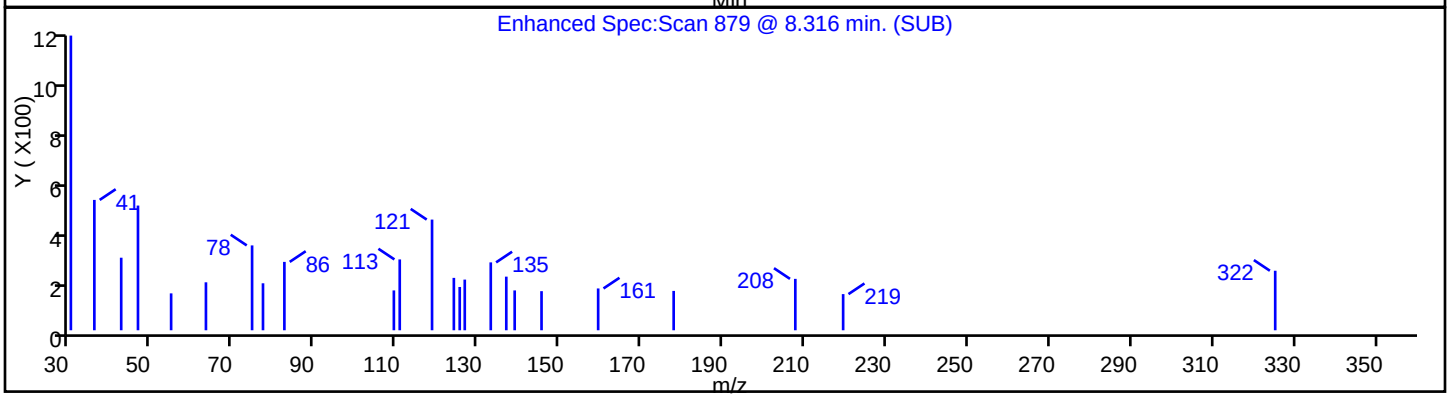
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10515.D		
Inj Date:	23-Sep-2009 19:54:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	5
Client ID:		Instrument:	Inst. B
Sample Info:	std05		
Sample Amount:	1.00 ul	Operator:	MZ

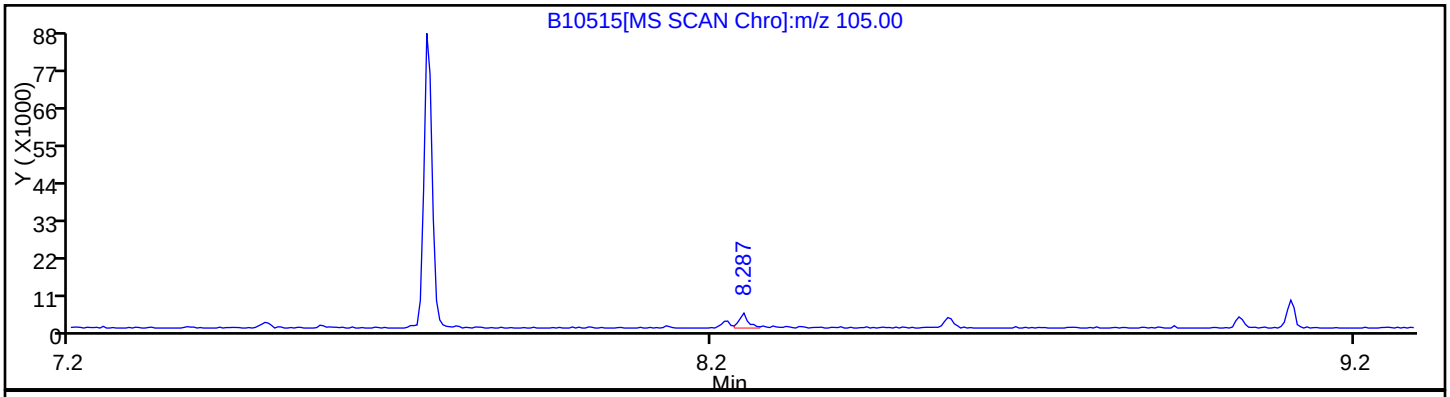
36 Benzoic acid

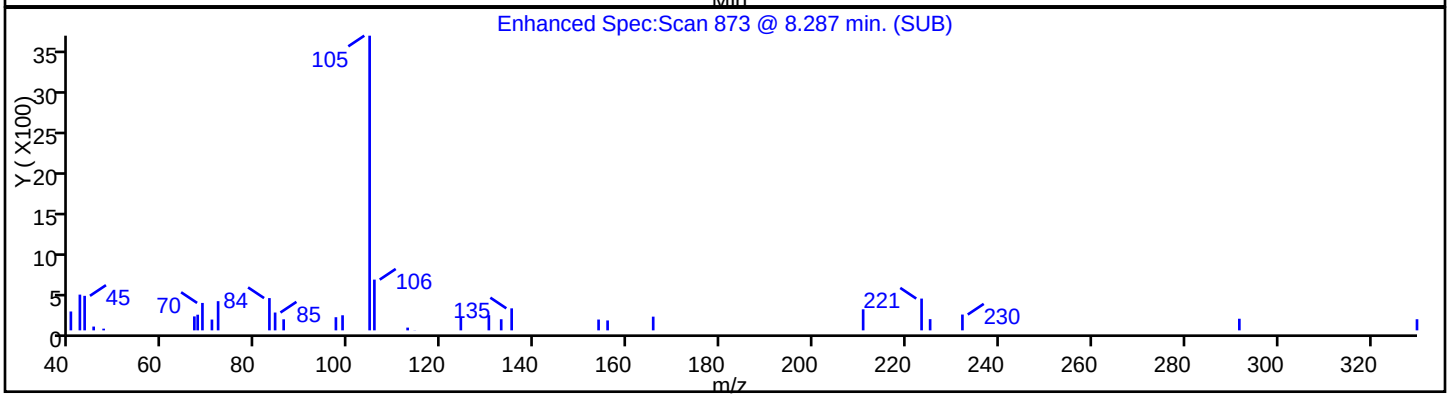
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 25-Sep-2009 09:16:12
Audit Action: Selected Alternate Hit
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10516.D		
Lims ID:	std1	Client ID:	
Inject. Date:	23-Sep-2009 20:25:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	std1		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49442	Lims Sample ID:	6
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 10:09:00	Calib Date:	23-Sep-2009 20:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10516.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 09:29:00
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:09:00

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.460	7.460	0.000	354829	2.00	
* 2 Naphthalene-d8	136	8.590	8.590	0.000	859145	2.00	
* 3 Acenaphthene-d10	164	10.086	10.090	-0.004	396104	2.00	
* 4 Phenanthrene-d10	188	11.346	11.346	0.000	642394	2.00	
* 5 Chrysene-d12	240	14.481	14.481	0.000	391142	2.00	
* 6 Perylene-d12	264	16.919	16.919	0.000	270708	2.00	
$ 7 2-Fluorophenol	112	6.167	6.166	0.001	96478	1.04	
$ 8 Phenol-d5	99	7.099	7.099	0.000	122277	1.02	
$ 9 Nitrobenzene-d5	82	7.960	7.960	0.000	119038	1.04	
$ 10 2-Fluorobiphenyl	172	9.494	9.494	0.000	248882	1.00	
$ 11 2,4,6-Tribromophenol	330	10.754	10.754	0.000	17873	0.9488	
$ 12 Terphenyl-d14	244	12.788	12.788	0.000	167343	1.02	
15 N-Nitrosodimethylamine	42	4.238	4.233	0.005	70429	1.01	
16 Pyridine	79	4.262	4.341	-0.079	72942	1.02	
17 Benzaldehyde	105	7.061	7.061	0.000	71167	1.05	
18 Phenol	94	7.109	7.109	0.000	131537	1.03	
19 Aniline	93	7.157	7.157	0.000	151951	1.06	
20 Bis(2-chloroethyl)ether	93	7.210	7.205	0.005	103878	1.02	
21 2-Chlorophenol	128	7.268	7.268	0.000	113204	1.05	
22 1,4-Dichlorobenzene	146	7.412	7.412	0.000	142584	1.05	
23 1,3-Dichlorobenzene	146	7.479	7.479	0.000	144017	1.02	
24 Benzyl alcohol	79	7.576	7.575	0.001	88576	1.09	
25 1,2-Dichlorobenzene	146	7.619	7.619	0.000	132199	0.9718	
26 2-Methylphenol	108	7.662	7.662	0.000	98726	1.04	
27 2,2'-oxybis[1-chloropropane]	45	7.691	7.691	0.000	192620	0.9876	
28 3 & 4 Methylphenol	108	7.797	7.797	0.000	102502	1.04	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	7.806	7.806	0.000	72374	1.04	
30 Acetophenone	105	7.816	7.816	0.000	147343	1.03	
31 Hexachloroethane	117	7.927	7.926	0.001	47382	1.03	
32 Nitrobenzene	77	7.975	7.975	0.000	120571	1.03	
33 Isophorone	82	8.177	8.177	0.000	191379	1.05	
34 2-Nitrophenol	139	8.254	8.253	0.001	56959	1.08	
35 2,4-Dimethylphenol	107	8.258	8.258	0.000	108706	1.03	
36 Benzoic acid	105	8.287	8.311	-0.024	10799	0.8402	
37 Bis(2-chloroethoxy)methane	93	8.345	8.345	0.000	117514	1.01	
38 2,4-Dichlorophenol	162	8.456	8.455	0.001	89103	1.08	
39 1,2,4-Trichlorobenzene	180	8.537	8.537	0.000	105126	1.01	
40 Alpha-Terpineol	59	8.590	8.590	0.000	98734	1.04	
41 Naphthalene	128	8.609	8.609	0.000	339898	1.00	
42 4-Chloroaniline	127	8.638	8.638	0.000	130337	1.07	
43 Hexachlorobutadiene	225	8.701	8.701	0.000	53377	0.9633	
44 Caprolactam	55	8.908	8.927	-0.019	42548	1.13	
45 4-Chloro-3-methylphenol	107	9.023	9.028	-0.005	88348	1.08	
46 2-Methylnaphthalene	142	9.196	9.196	0.000	233063	1.02	
47 1-Methylnaphthalene	142	9.283	9.283	0.000	226803	1.02	
48 Hexachlorocyclopentadiene	237	9.326	9.326	0.000	29889	0.8920	
49 1,2,4,5-Tetrachlorobenzene	216	9.340	9.340	0.000	90939	1.02	
50 2,4,6-Trichlorophenol	196	9.427	9.427	0.000	57132	1.07	
51 2,4,5-Trichlorophenol	196	9.456	9.460	-0.004	59993	1.09	
52 1,1'-Biphenyl	154	9.581	9.585	-0.004	269899	1.01	
53 2-Chloronaphthalene	162	9.614	9.614	0.000	260466	1.03	
54 Phenyl ether	170	9.667	9.667	0.000	142902	0.99	
68 4-Nitroaniline	138	9.687	9.686	0.001	62687	1.10	
56 Dimethyl phthalate	163	9.812	9.811	0.001	243816	1.05	
57 2,6-Dinitrotoluene	165	9.874	9.879	-0.005	53646	1.07	
58 Acenaphthylene	152	9.970	9.975	-0.005	337979	1.07	
59 3-Nitroaniline	138	10.028	10.028	0.000	51326	1.12	
60 2,4-Dinitrophenol	184	10.115	10.114	0.001	5371	1.00	
61 Acenaphthene	153	10.115	10.114	0.001	222971	1.02	
62 4-Nitrophenol	109	10.134	10.134	0.000	24312	0.9554	
63 2,4-Dinitrotoluene	165	10.220	10.220	0.000	61122	1.01	
64 Dibenzofuran	168	10.259	10.259	0.000	293259	1.00	
65 2,3,4,6-Tetrachlorophenol	232	10.350	10.350	0.000	39786	0.9583	
66 Diethyl phthalate	149	10.393	10.398	-0.005	245460	0.99	
67 4-Chlorophenyl phenyl ether	204	10.523	10.523	0.000	105686	1.00	
55 2-Nitroaniline	65	10.543	10.543	0.000	52935	0.9563	M
69 Fluorene	166	10.547	10.547	0.000	238621	0.9889	
70 4,6-Dinitro-2-methylphenol	198	10.567	10.566	0.001	13577	0.8331	
71 Diphenylamine	169	10.619	10.619	0.000	201134	1.02	
72 N-Nitrosodiphenylamine	169	10.619	10.619	0.000	201134	1.02	
73 1,2-Diphenylhydrazine	77	10.658	10.663	-0.005	383161	1.07	
74 Azobenzene	77	10.658	10.663	-0.005	383161	1.07	
13 Benzophenone	105	10.668	10.672	-0.004	223853	1.05	
75 4-Bromophenyl phenyl ether	248	10.942	10.942	0.000	55134	1.02	
76 Hexachlorobenzene	284	11.019	11.018	0.001	54357	1.02	
77 Atrazine	200	11.038	11.038	0.000	56931	1.05	
78 Pentachlorophenol	266	11.172	11.172	0.000	11111	1.00	
79 Pentachloronitrobenzene	237	11.187	11.187	0.000	23149	1.04	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	11.365	11.365	0.000	318606	0.9836	
81 Anthracene	178	11.408	11.408	0.000	301569	1.04	
83 Carbazole	167	11.528	11.528	0.000	264019	1.03	
84 Di-n-butyl phthalate	149	11.759	11.759	0.000	388814	0.9474	
87 Fluoranthene	202	12.418	12.418	0.000	264271	0.9887	
86 Benzidine	184	12.514	12.514	0.000	25743	0.9702	
85 Pyrene	202	12.668	12.668	0.000	275920	0.9811	
89 Butyl benzyl phthalate	149	13.389	13.389	0.000	122333	1.07	
91 3,3'-Dichlorobenzidine	252	14.366	14.364	0.002	39617	0.9110	
92 Bis(2-ethylhexyl) phthalate	149	14.390	14.389	0.001	164147	1.04	
93 Benzo[a]anthracene	228	14.457	14.457	0.000	170041	1.04	
94 Chrysene	228	14.534	14.534	0.000	165617	1.00	
95 Di-n-octyl phthalate	149	15.702	15.702	0.000	196200	0.8860	
97 Benzo[b]fluoranthene	252	16.323	16.323	0.000	142377	0.9880	
98 Benzo[k]fluoranthene	252	16.361	16.361	0.000	143797	1.11	
99 Benzo[a]pyrene	252	16.828	16.832	-0.004	101794	1.04	
100 Indeno[1,2,3-cd]pyrene	276	18.905	18.910	-0.005	85697	1.06	
101 Dibenz(a,h)anthracene	278	18.929	18.939	-0.010	66542	1.08	
102 Benzo[g,h,i]perylene	276	19.492	19.506	-0.014	80474	1.05	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 10:09:01 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10516.D

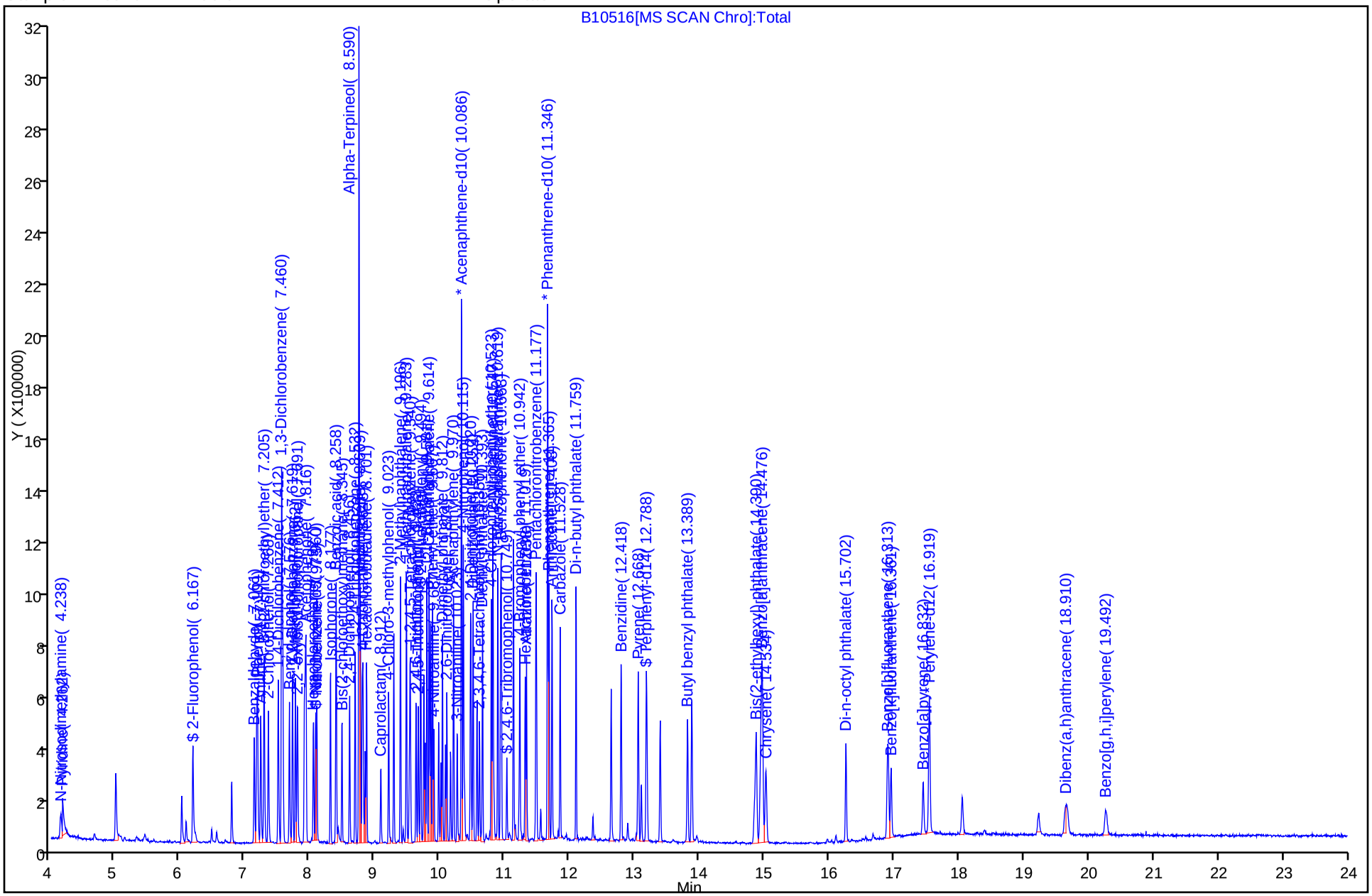
Inj Date: 23-Sep-2009 20:25:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 6

Client ID: Instrument: Inst. B

Sample Info: std1

Sample Amount: 1.00 ul Operator: MZ



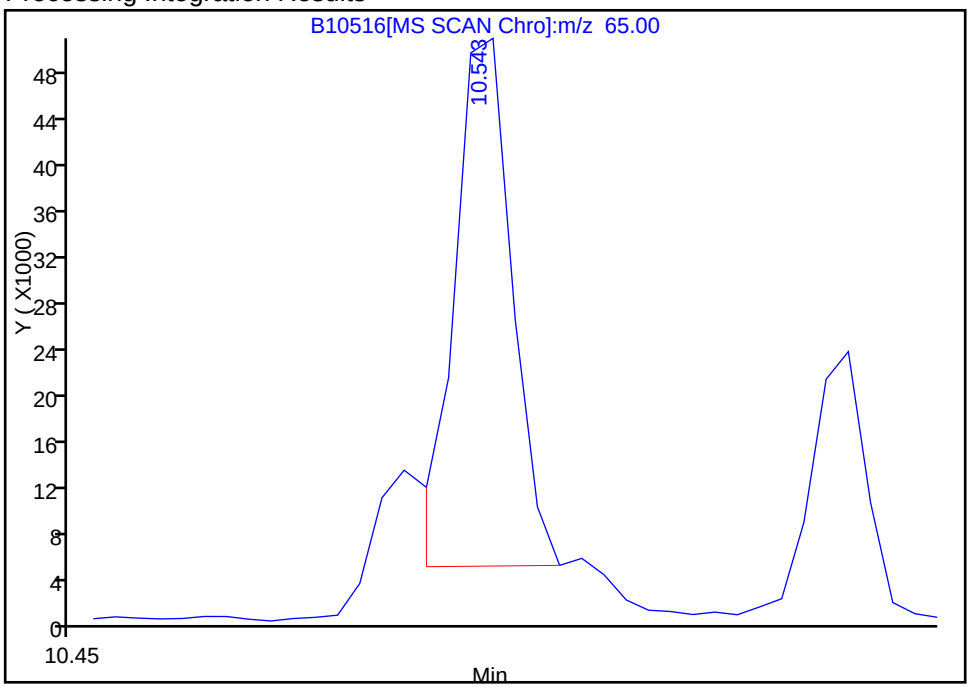
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10516.D		
Inj Date:	23-Sep-2009 20:25:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	6
Client ID:		Instrument:	Inst. B
Sample Info:	std1		
Sample Amount:	1.00 ul	Operator:	MZ

55 2-Nitroaniline, Number: 1, m/z: 65 Type: quant, RT: 10.54

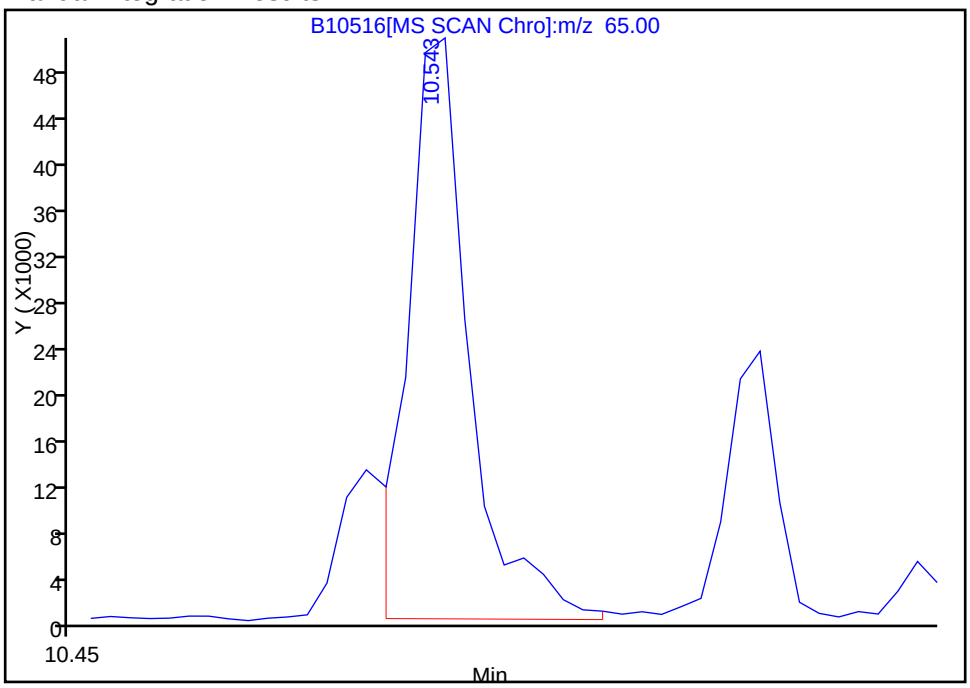
Processing Integration Results

RT: 10.54
Response: 40102
Amount: 0.771601



Manual Integration Results

RT: 10.54
Response: 52935
Amount: 0.956332



Reviewer: sullivanp, 25-Sep-2009 10:09:00
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10517.D		
Lims ID:	std25	Client ID:	
Inject. Date:	23-Sep-2009 20:57:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	std25		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49442	Lims Sample ID:	7
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 10:09:06	Calib Date:	23-Sep-2009 20:57:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10517.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:09:06

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	7.466	7.460	0.006	803697	2.00	
* 2 Naphthalene-d8	136	8.592	8.590	0.002	2033550	2.00	
* 3 Acenaphthene-d10	164	10.092	10.090	0.002	824098	2.00	
* 4 Phenanthrene-d10	188	11.347	11.346	0.001	1353542	2.00	
* 5 Chrysene-d12	240	14.482	14.481	0.001	912540	2.00	
* 6 Perylene-d12	264	16.920	16.919	0.001	663367	2.00	
$ 7 2-Fluorophenol	112	6.168	6.166	0.002	594945	2.78	
$ 8 Phenol-d5	99	7.101	7.099	0.002	726986	2.65	
$ 9 Nitrobenzene-d5	82	7.962	7.960	0.002	706599	2.59	
$ 10 2-Fluorobiphenyl	172	9.496	9.494	0.002	1413243	2.68	
$ 11 2,4,6-Tribromophenol	330	10.756	10.754	0.002	121288	2.79	
$ 12 Terphenyl-d14	244	12.790	12.788	0.002	968181	2.52	
15 N-Nitrosodimethylamine	42	4.240	4.233	0.007	413041	2.60	
16 Pyridine	79	4.259	4.259	0.000	584581	2.66	
17 Benzaldehyde	105	7.062	7.061	0.001	405570	2.62	
18 Phenol	94	7.115	7.109	0.006	747496	2.57	
19 Aniline	93	7.159	7.157	0.002	889810	2.70	
20 Bis(2-chloroethyl)ether	93	7.207	7.205	0.002	600195	2.58	
21 2-Chlorophenol	128	7.269	7.268	0.001	656798	2.66	
22 1,4-Dichlorobenzene	146	7.413	7.412	0.001	771660	2.50	
23 1,3-Dichlorobenzene	146	7.481	7.479	0.002	820115	2.55	
24 Benzyl alcohol	79	7.577	7.575	0.002	548295	2.89	
25 1,2-Dichlorobenzene	146	7.620	7.619	0.001	743088	2.43	
26 2-Methylphenol	108	7.663	7.662	0.001	573277	2.63	
27 2,2'-oxybis[1-chloropropane]	45	7.692	7.691	0.001	1070554	2.44	
28 3 & 4 Methylphenol	108	7.798	7.797	0.001	622197	2.74	
29 N-Nitrosodi-n-propylamine	70	7.813	7.806	0.007	451404	2.79	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.817	7.816	0.001	861134	2.63	
31 Hexachloroethane	117	7.928	7.926	0.002	283650	2.67	
32 Nitrobenzene	77	7.976	7.975	0.001	694132	2.51	
33 Isophorone	82	8.178	8.177	0.001	1154048	2.65	
34 2-Nitrophenol	139	8.255	8.253	0.002	363115	2.82	
35 2,4-Dimethylphenol	107	8.260	8.258	0.002	651344	2.60	
36 Benzoic acid	105	8.317	8.311	0.006	269050	4.80	
37 Bis(2-chloroethoxy)methane	93	8.346	8.345	0.001	661890	2.42	
38 2,4-Dichlorophenol	162	8.457	8.455	0.002	530485	2.67	
39 1,2,4-Trichlorobenzene	180	8.534	8.537	-0.003	614536	2.50	
40 Alpha-Terpineol	59	8.592	8.590	0.002	616980	2.69	
41 Naphthalene	128	8.611	8.609	0.002	1938351	2.43	
42 4-Chloroaniline	127	8.640	8.638	0.002	784789	2.68	
43 Hexachlorobutadiene	225	8.702	8.701	0.001	307910	2.37	
44 Caprolactam	55	8.928	8.927	0.001	268284	2.91	
45 4-Chloro-3-methylphenol	107	9.029	9.028	0.001	538031	2.72	
46 2-Methylnaphthalene	142	9.197	9.196	0.001	1328173	2.46	
47 1-Methylnaphthalene	142	9.284	9.283	0.001	1274339	2.43	
48 Hexachlorocyclopentadiene	237	9.327	9.326	0.001	217987	2.83	
49 1,2,4,5-Tetrachlorobenzene	216	9.342	9.340	0.002	518209	2.46	
50 2,4,6-Trichlorophenol	196	9.428	9.427	0.001	345063	2.99	
51 2,4,5-Trichlorophenol	196	9.462	9.460	0.002	365417	3.05	
52 1,1'-Biphenyl	154	9.587	9.585	0.002	1488376	2.65	
53 2-Chloronaphthalene	162	9.616	9.614	0.002	1455263	2.72	
54 Phenyl ether	170	9.669	9.667	0.002	783849	2.33	
68 4-Nitroaniline	138	9.688	9.686	0.002	394183	2.74	
56 Dimethyl phthalate	163	9.813	9.811	0.002	1296870	2.65	
57 2,6-Dinitrotoluene	165	9.876	9.879	-0.003	299243	2.81	
58 Acenaphthylene	152	9.972	9.975	-0.003	1897008	2.80	
59 3-Nitroaniline	138	10.029	10.028	0.001	293685	2.97	
60 2,4-Dinitrophenol	184	10.116	10.114	0.002	100769	2.50	
61 Acenaphthene	153	10.116	10.114	0.002	1256945	2.71	
62 4-Nitrophenol	109	10.135	10.134	0.001	172852	2.77	
63 2,4-Dinitrotoluene	165	10.222	10.220	0.002	392099	2.71	
64 Dibenzofuran	168	10.260	10.259	0.001	1617547	2.61	
65 2,3,4,6-Tetrachlorophenol	232	10.352	10.350	0.002	257210	2.76	
66 Diethyl phthalate	149	10.400	10.398	0.002	1327093	2.56	
67 4-Chlorophenyl phenyl ether	204	10.525	10.523	0.002	582043	2.62	
55 2-Nitroaniline	65	10.544	10.544	0.000	353094	2.84	M
69 Fluorene	166	10.549	10.547	0.002	1396181	2.73	
70 4,6-Dinitro-2-methylphenol	198	10.568	10.566	0.002	150800	2.67	
71 Diphenylamine	169	10.621	10.619	0.002	1135769	2.69	
72 N-Nitrosodiphenylamine	169	10.621	10.619	0.002	1135769	2.69	
73 1,2-Diphenylhydrazine	77	10.664	10.663	0.001	2166505	2.81	
74 Azobenzene	77	10.664	10.663	0.001	2166505	2.81	
13 Benzophenone	105	10.674	10.672	0.002	1296552	2.82	
75 4-Bromophenyl phenyl ether	248	10.943	10.942	0.001	313407	2.71	
76 Hexachlorobenzene	284	11.020	11.018	0.002	290601	2.58	
77 Atrazine	200	11.039	11.038	0.001	328313	2.80	
78 Pentachlorophenol	266	11.174	11.172	0.002	141238	2.50	
79 Pentachloronitrobenzene	237	11.188	11.187	0.001	144520	2.97	
80 Phenanthrene	178	11.366	11.365	0.001	1782313	2.59	

Report Date: 25-Sep-2009 10:09:07 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10517.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	11.410	11.408	0.002	1776167	2.83	
83 Carbazole	167	11.530	11.528	0.002	1459915	2.66	
84 Di-n-butyl phthalate	149	11.761	11.759	0.002	2133615	2.47	
87 Fluoranthene	202	12.419	12.418	0.001	1577843	2.75	
86 Benzidine	184	12.520	12.514	0.006	190946	2.49	
85 Pyrene	202	12.669	12.668	0.001	1635597	2.49	
89 Butyl benzyl phthalate	149	13.391	13.389	0.002	811322	2.94	
91 3,3'-Dichlorobenzidine	252	14.372	14.372	0.000	326698	2.86	
92 Bis(2-ethylhexyl) phthalate	149	14.391	14.389	0.002	1114147	2.93	
93 Benzo[a]anthracene	228	14.463	14.457	0.006	1084879	2.79	
94 Chrysene	228	14.540	14.534	0.006	1016794	2.61	
95 Di-n-octyl phthalate	149	15.704	15.702	0.002	1643063	2.66	
97 Benzo[b]fluoranthene	252	16.324	16.323	0.001	948565	2.65	
98 Benzo[k]fluoranthene	252	16.367	16.361	0.006	903613	2.77	
99 Benzo[a]pyrene	252	16.834	16.832	0.002	760651	3.03	
100 Indeno[1,2,3-cd]pyrene	276	18.911	18.910	0.001	664691	2.86	
101 Dibenz(a,h)anthracene	278	18.940	18.939	0.001	533649	2.64	
102 Benzo[g,h,i]perylene	276	19.508	19.506	0.002	563322	2.91	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 10:09:07 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10517.D

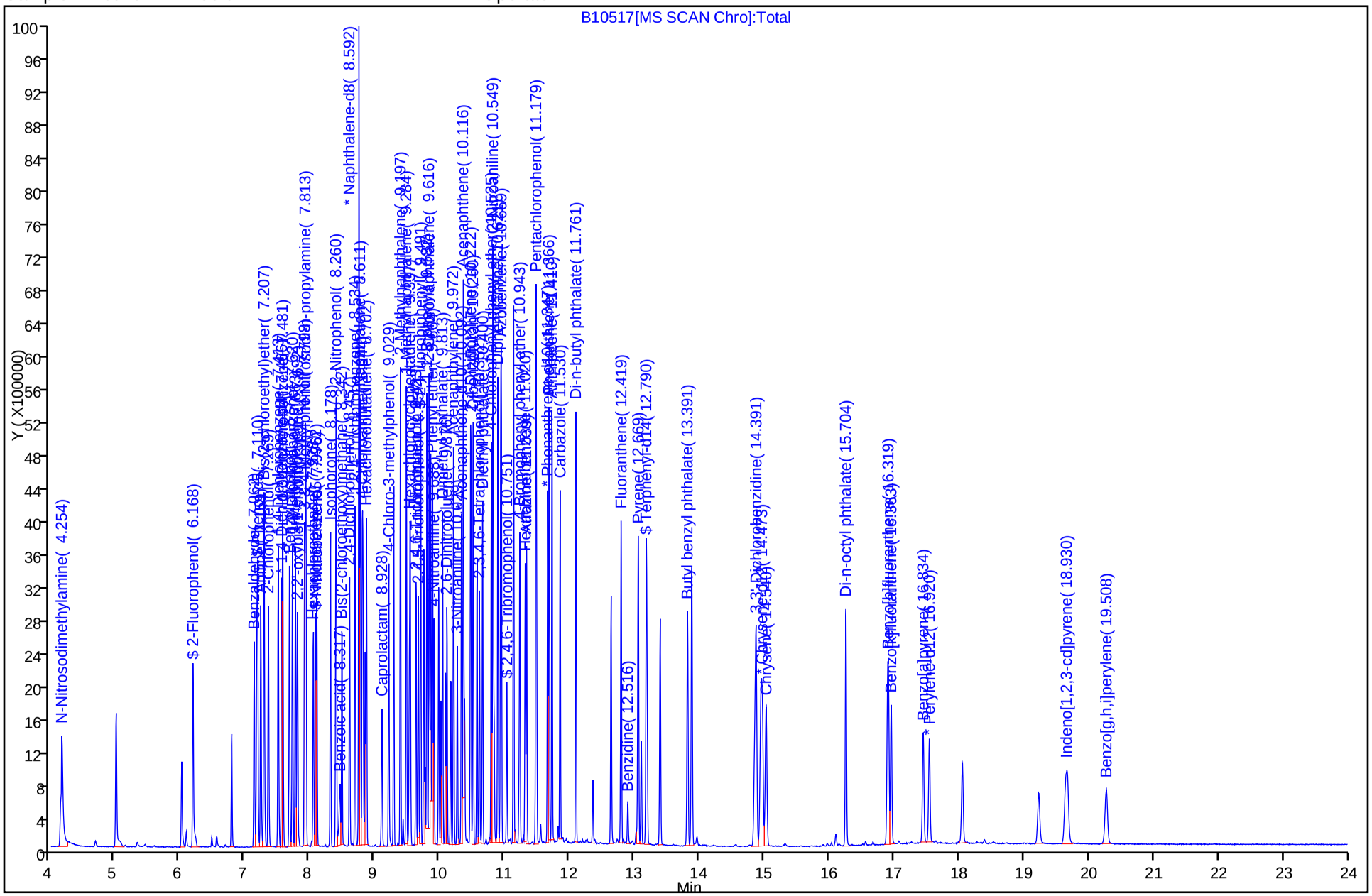
Inj Date: 23-Sep-2009 20:57:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 7

Client ID: Instrument: Inst. B

Sample Info: std25

Sample Amount: 1.00 ul Operator: MZ



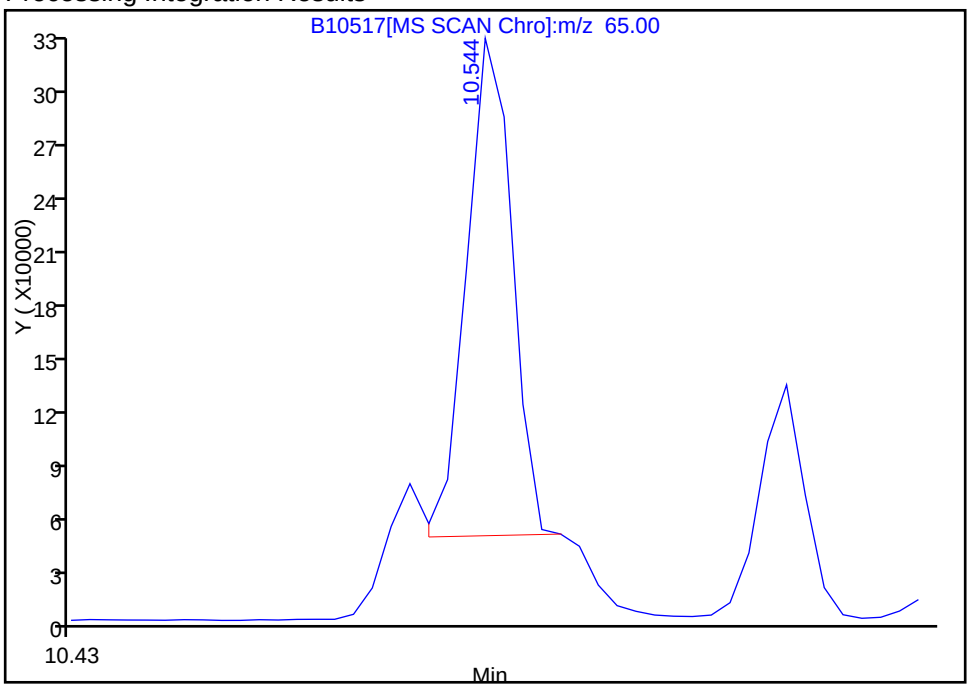
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10517.D		
Inj Date:	23-Sep-2009 20:57:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	7
Client ID:		Instrument:	Inst. B
Sample Info:	std25		
Sample Amount:	1.00 ul	Operator:	MZ

55 2-Nitroaniline, Number: 1, m/z: 65 Type: quant, RT: 10.54

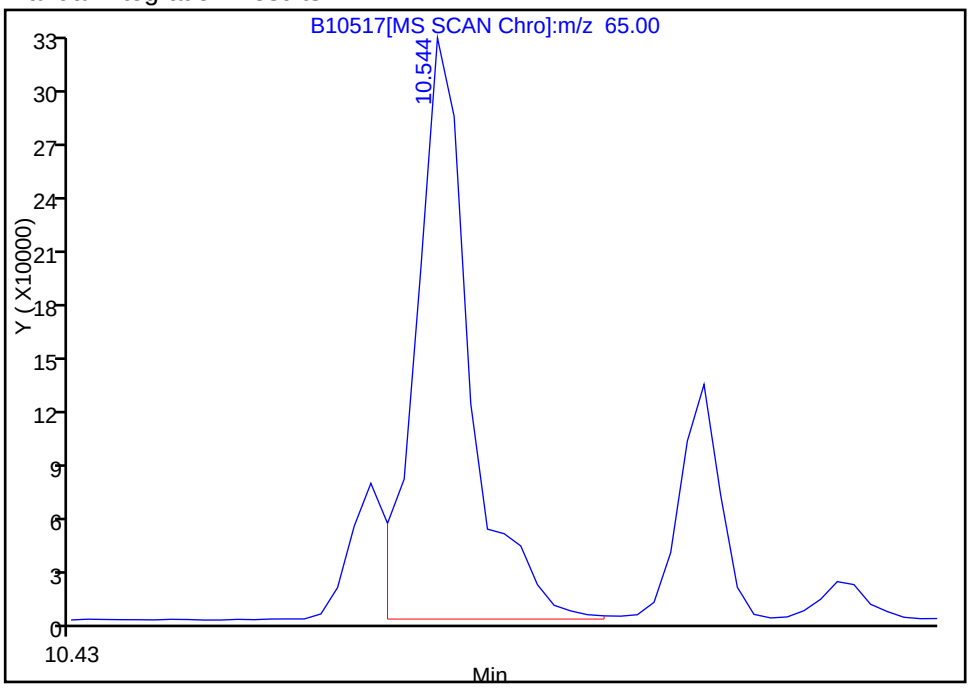
Processing Integration Results

RT: 10.54
Response: 223252
Amount: 2.362122



Manual Integration Results

RT: 10.54
Response: 353094
Amount: 2.841795



Reviewer: sullivanp, 25-Sep-2009 10:09:06
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10518.D		
Lims ID:	std8	Client ID:	
Inject. Date:	23-Sep-2009 21:29:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	std8		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49442	Lims Sample ID:	8
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 10:09:12	Calib Date:	23-Sep-2009 21:29:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10518.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:09:12

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.463	7.460	0.003	449530	2.00	
* 2 Naphthalene-d8	136	8.594	8.590	0.004	1169057	2.00	
* 3 Acenaphthene-d10	164	10.089	10.090	-0.001	391273	2.00	
* 4 Phenanthrene-d10	188	11.349	11.346	0.003	643911	2.00	
* 5 Chrysene-d12	240	14.484	14.481	0.003	438362	2.00	
* 6 Perylene-d12	264	16.918	16.919	-0.001	305397	2.00	
$ 7 2-Fluorophenol	112	6.165	6.166	-0.001	805188	6.88	
$ 8 Phenol-d5	99	7.103	7.099	0.004	1081183	7.17	
$ 9 Nitrobenzene-d5	82	7.964	7.960	0.004	1042498	6.80	
$ 10 2-Fluorobiphenyl	172	9.493	9.494	-0.001	2162438	8.55	5
$ 11 2,4,6-Tribromophenol	330	10.753	10.754	-0.001	197491	8.36	5
$ 12 Terphenyl-d14	244	12.792	12.788	0.004	1559588	8.38	5
15 N-Nitrosodimethylamine	42	4.232	4.233	-0.001	583391	6.74	
16 Pyridine	79	4.242	4.242	0.000	738951	8.16	5M
17 Benzaldehyde	105	7.064	7.061	0.003	600673	7.08	
18 Phenol	94	7.112	7.109	0.003	1115588	7.01	
19 Aniline	93	7.160	7.157	0.003	1322796	7.27	
20 Bis(2-chloroethyl)ether	93	7.209	7.205	0.004	890348	6.99	5
21 2-Chlorophenol	128	7.271	7.268	0.003	941648	6.96	
22 1,4-Dichlorobenzene	146	7.415	7.412	0.003	1148508	6.82	
23 1,3-Dichlorobenzene	146	7.478	7.479	-0.001	1184706	6.77	
24 Benzyl alcohol	79	7.579	7.575	0.004	818881	7.76	
25 1,2-Dichlorobenzene	146	7.622	7.619	0.003	1078854	6.49	
26 2-Methylphenol	108	7.665	7.662	0.003	865541	7.21	
27 2,2'-oxybis[1-chloropropane]	45	7.694	7.691	0.003	1575859	6.60	
28 3 & 4 Methylphenol	108	7.800	7.797	0.003	911522	7.29	
29 N-Nitrosodi-n-propylamine	70	7.814	7.806	0.008	678094	7.57	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.819	7.816	0.003	1310390	7.27	
31 Hexachloroethane	117	7.925	7.926	-0.001	417284	7.15	
32 Nitrobenzene	77	7.978	7.975	0.003	1037505	6.71	
33 Isophorone	82	8.180	8.177	0.003	1766462	7.18	
34 2-Nitrophenol	139	8.257	8.253	0.004	543945	7.44	
35 2,4-Dimethylphenol	107	8.262	8.258	0.004	970591	6.89	
36 Benzoic acid	105	8.329	8.311	0.018	401797	11.2	5
37 Bis(2-chloroethoxy)methane	93	8.343	8.345	-0.002	993056	6.50	
38 2,4-Dichlorophenol	162	8.459	8.455	0.004	792360	7.08	
39 1,2,4-Trichlorobenzene	180	8.536	8.537	-0.001	900982	6.57	
40 Alpha-Terpineol	59	8.594	8.590	0.004	916166	7.09	
41 Naphthalene	128	8.613	8.609	0.004	2850079	6.42	
42 4-Chloroaniline	127	8.642	8.638	0.004	1181433	7.14	
43 Hexachlorobutadiene	225	8.704	8.701	0.003	474428	6.55	
44 Caprolactam	55	8.940	8.927	0.013	416769	7.89	
45 4-Chloro-3-methylphenol	107	9.031	9.028	0.003	830393	7.40	
46 2-Methylnaphthalene	142	9.199	9.196	0.003	1977411	6.57	
47 1-Methylnaphthalene	142	9.286	9.283	0.003	1920968	6.56	
48 Hexachlorocyclopentadiene	237	9.329	9.326	0.003	307962	8.16	5
49 1,2,4,5-Tetrachlorobenzene	216	9.339	9.340	-0.001	781316	6.62	
50 2,4,6-Trichlorophenol	196	9.425	9.427	-0.002	535975	9.49	5
51 2,4,5-Trichlorophenol	196	9.464	9.460	0.004	573034	8.90	5
52 1,1'-Biphenyl	154	9.584	9.585	-0.001	2300561	8.54	5
53 2-Chloronaphthalene	162	9.618	9.614	0.004	2229615	8.66	5
54 Phenyl ether	170	9.666	9.667	-0.001	1239626	6.59	
68 4-Nitroaniline	138	9.690	9.686	0.004	629782	8.51	5
56 Dimethyl phthalate	163	9.815	9.811	0.004	2056283	8.71	5
57 2,6-Dinitrotoluene	165	9.882	9.879	0.003	475227	9.16	5
58 Acenaphthylene	152	9.974	9.975	-0.001	2916977	8.91	5
59 3-Nitroaniline	138	10.031	10.028	0.003	473869	8.89	5
60 2,4-Dinitrophenol	184	10.118	10.114	0.004	160606	10.9	5
61 Acenaphthene	153	10.118	10.114	0.004	1969021	8.80	5
62 4-Nitrophenol	109	10.137	10.134	0.003	275507	8.64	5
63 2,4-Dinitrotoluene	165	10.224	10.220	0.004	653574	8.62	5
64 Dibenzofuran	168	10.262	10.259	0.003	2545756	8.56	5
65 2,3,4,6-Tetrachlorophenol	232	10.354	10.350	0.004	430189	8.06	5
66 Diethyl phthalate	149	10.402	10.398	0.004	2122002	8.54	5
67 4-Chlorophenyl phenyl ether	204	10.527	10.523	0.004	943560	8.80	5
55 2-Nitroaniline	65	10.546	10.544	0.002	528091	8.66	5
69 Fluorene	166	10.551	10.547	0.004	2213015	8.94	5
70 4,6-Dinitro-2-methylphenol	198	10.570	10.566	0.004	244654	8.06	5
71 Diphenylamine	169	10.623	10.619	0.004	1820056	8.89	5
72 N-Nitrosodiphenylamine	169	10.623	10.619	0.004	1820056	8.89	5
73 1,2-Diphenylhydrazine	77	10.661	10.663	-0.002	3457147	9.18	5
74 Azobenzene	77	10.661	10.663	-0.002	3457147	9.18	5
13 Benzophenone	105	10.676	10.672	0.004	2097252	9.33	5
75 4-Bromophenyl phenyl ether	248	10.945	10.942	0.003	501448	8.93	5
76 Hexachlorobenzene	284	11.022	11.018	0.004	463361	8.54	5
77 Atrazine	200	11.041	11.038	0.003	531316	9.27	5
78 Pentachlorophenol	266	11.176	11.172	0.004	250912	10.9	5
79 Pentachloronitrobenzene	237	11.190	11.187	0.003	245614	8.06	5
80 Phenanthrene	178	11.368	11.365	0.003	2798480	8.47	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	11.411	11.408	0.003	2781733	9.11	5
83 Carbazole	167	11.532	11.528	0.004	2181097	8.30	5
84 Di-n-butyl phthalate	149	11.763	11.759	0.003	3390577	8.22	5
87 Fluoranthene	202	12.421	12.418	0.003	2508038	8.99	5
86 Benzidine	184	12.517	12.514	0.003	502278	8.04	5
85 Pyrene	202	12.671	12.668	0.003	2583121	8.17	5
89 Butyl benzyl phthalate	149	13.393	13.389	0.004	1337145	9.72	5
91 3,3'-Dichlorobenzidine	252	14.374	14.364	0.010	502536	8.46	5
92 Bis(2-ethylhexyl) phthalate	149	14.393	14.389	0.004	1855805	9.78	5
93 Benzo[a]anthracene	228	14.465	14.457	0.008	1669154	8.78	5
94 Chrysene	228	14.542	14.534	0.008	1551871	8.24	5
95 Di-n-octyl phthalate	149	15.701	15.702	-0.001	2751361	8.31	5
97 Benzo[b]fluoranthene	252	16.331	16.323	0.008	1474137	8.81	5
98 Benzo[k]fluoranthene	252	16.365	16.361	0.004	1432270	9.29	5
99 Benzo[a]pyrene	252	16.836	16.832	0.004	1162897	9.69	5
100 Indeno[1,2,3-cd]pyrene	276	18.918	18.910	0.008	972823	8.45	5
101 Dibenz(a,h)anthracene	278	18.942	18.939	0.003	770491	8.44	5
102 Benzo[g,h,i]perylene	276	19.509	19.506	0.003	815132	8.97	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 10:09:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10518.D

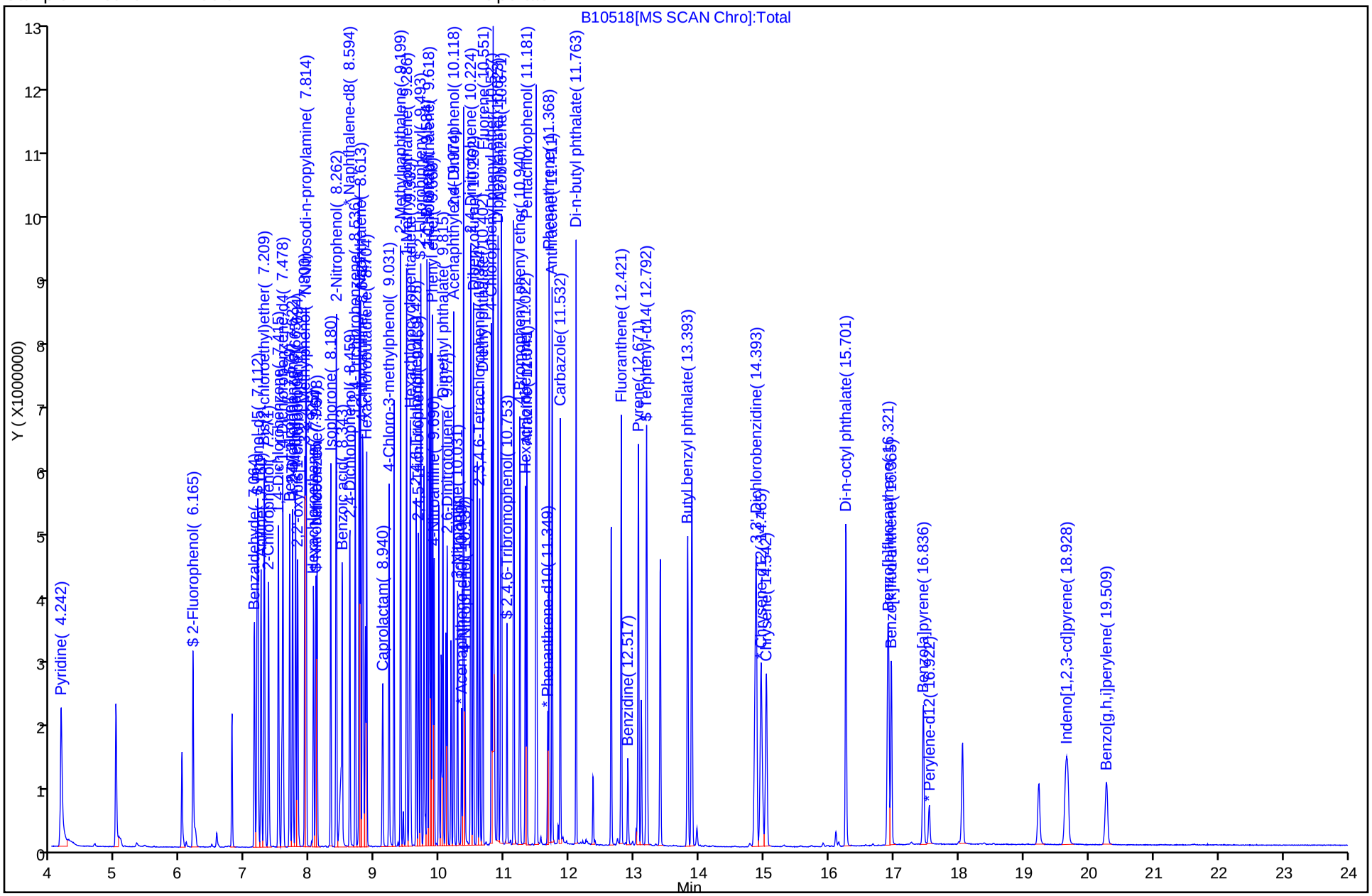
Inj Date: 23-Sep-2009 21:29:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 8

Client ID: Instrument: Inst. B

Sample Info: std8

Sample Amount: 1.00 ul Operator: MZ



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

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10518.D		
Inj Date:	23-Sep-2009 21:29:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	8
Client ID:		Instrument:	Inst. B
Sample Info:	std8		
Sample Amount:	1.00 ul	Operator:	MZ

16 Pyridine, Number: 1, m/z: 79 Type: quant, RT: 4.24

Processing Integration Results

Not Detected

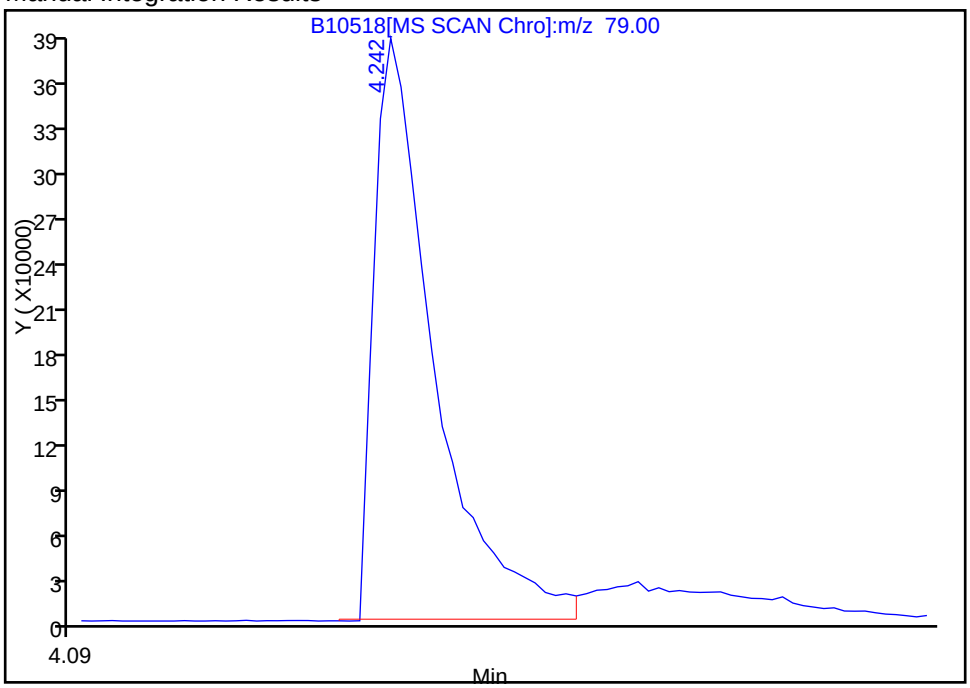
Expected RT: 4.24

Manual Integration Results

RT: 4.24

Response: 738951

Amount: 8.162493



Reviewer: sullivanp, 25-Sep-2009 10:09:12

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10519.D		
Lims ID:	std10	Client ID:	
Inject. Date:	23-Sep-2009 22:01:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	std10		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49442	Lims Sample ID:	9
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 10:09:18	Calib Date:	23-Sep-2009 22:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10519.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:09:18

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.466	7.460	0.006	504257	2.00	
* 2 Naphthalene-d8	136	8.596	8.590	0.006	1317722	2.00	
* 3 Acenaphthene-d10	164	10.092	10.090	0.002	422451	2.00	
* 4 Phenanthrene-d10	188	11.347	11.346	0.001	698685	2.00	
* 5 Chrysene-d12	240	14.487	14.481	0.006	505875	2.00	
* 6 Perylene-d12	264	16.920	16.919	0.001	349170	2.00	
$ 7 2-Fluorophenol	112	6.168	6.166	0.002	1053727	8.23	
$ 8 Phenol-d5	99	7.105	7.099	0.006	1405792	8.49	
$ 9 Nitrobenzene-d5	82	7.961	7.960	0.001	1361841	8.10	
$ 10 2-Fluorobiphenyl	172	9.495	9.494	0.001	2792045	10.2	5
$ 11 2,4,6-Tribromophenol	330	10.755	10.754	0.001	260742	10.3	5
$ 12 Terphenyl-d14	244	12.789	12.788	0.001	2069872	9.68	
15 N-Nitrosodimethylamine	42	4.239	4.233	0.006	746082	7.91	
16 Pyridine	79	4.244	4.242	0.002	995250	10.2	5
17 Benzaldehyde	105	7.062	7.061	0.001	777443	8.36	
18 Phenol	94	7.115	7.109	0.006	1458462	8.36	
19 Aniline	93	7.163	7.157	0.006	1725637	8.63	
20 Bis(2-chloroethyl)ether	93	7.211	7.205	0.006	1151892	8.26	5
21 2-Chlorophenol	128	7.274	7.268	0.006	1225953	8.28	
22 1,4-Dichlorobenzene	146	7.413	7.412	0.001	1479011	8.05	
23 1,3-Dichlorobenzene	146	7.481	7.479	0.002	1536740	8.04	
24 Benzyl alcohol	79	7.582	7.575	0.007	1074227	9.18	
25 1,2-Dichlorobenzene	146	7.620	7.619	0.001	1402879	7.77	
26 2-Methylphenol	108	7.668	7.662	0.006	1108628	8.42	
27 2,2'-oxybis[1-chloropropane]	45	7.697	7.691	0.006	2013818	7.76	
28 3 & 4 Methylphenol	108	7.803	7.797	0.006	1208115	8.77	
29 N-Nitrosodi-n-propylamine	70	7.817	7.806	0.011	906264	9.13	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	7.822	7.816	0.006	1728826	8.71	
31 Hexachloroethane	117	7.928	7.926	0.002	549608	8.57	
32 Nitrobenzene	77	7.981	7.975	0.006	1340926	7.92	
33 Isophorone	82	8.178	8.177	0.001	2268714	8.37	
34 2-Nitrophenol	139	8.255	8.253	0.002	708111	8.75	
35 2,4-Dimethylphenol	107	8.264	8.258	0.006	1235544	8.00	
36 Benzoic acid	105	8.341	8.311	0.030	667061	14.9	5
37 Bis(2-chloroethoxy)methane	93	8.346	8.345	0.001	1314156	7.86	
38 2,4-Dichlorophenol	162	8.457	8.455	0.002	1029755	8.35	
39 1,2,4-Trichlorobenzene	180	8.539	8.537	0.001	1175552	7.84	
40 Alpha-Terpineol	59	8.596	8.590	0.006	1179694	8.30	
41 Naphthalene	128	8.615	8.609	0.006	3629789	9.44	
42 4-Chloroaniline	127	8.644	8.638	0.006	1551379	8.50	
43 Hexachlorobutadiene	225	8.707	8.701	0.006	605804	9.20	
44 Caprolactam	55	8.942	8.927	0.015	547988	9.30	
45 4-Chloro-3-methylphenol	107	9.034	9.028	0.006	1085689	8.73	
46 2-Methylnaphthalene	142	9.202	9.196	0.006	2541644	7.74	
47 1-Methylnaphthalene	142	9.289	9.283	0.006	2483865	7.76	
48 Hexachlorocyclopentadiene	237	9.327	9.326	0.001	448992	10.6	5
49 1,2,4,5-Tetrachlorobenzene	216	9.342	9.340	0.002	1002918	7.78	
50 2,4,6-Trichlorophenol	196	9.428	9.427	0.001	708600	11.4	5
51 2,4,5-Trichlorophenol	196	9.462	9.460	0.002	750621	10.6	5
52 1,1'-Biphenyl	154	9.587	9.585	0.002	2935145	10.1	5
53 2-Chloronaphthalene	162	9.620	9.614	0.006	2750042	9.91	
54 Phenyl ether	170	9.669	9.667	0.002	1600384	9.25	
68 4-Nitroaniline	138	9.693	9.686	0.007	817766	10.1	5
56 Dimethyl phthalate	163	9.818	9.811	0.007	2635161	10.3	5
57 2,6-Dinitrotoluene	165	9.880	9.879	0.001	624815	11.0	5
58 Acenaphthylene	152	9.976	9.975	0.001	3721581	10.5	5
59 3-Nitroaniline	138	10.034	10.028	0.006	616551	10.6	5
60 2,4-Dinitrophenol	184	10.116	10.114	0.002	249433	10.0	5
61 Acenaphthene	153	10.121	10.114	0.007	2518961	10.4	5
62 4-Nitrophenol	109	10.140	10.134	0.006	375412	10.7	5
63 2,4-Dinitrotoluene	165	10.226	10.220	0.006	855381	10.3	5
64 Dibenzofuran	168	10.265	10.259	0.006	3270415	10.2	5
65 2,3,4,6-Tetrachlorophenol	232	10.356	10.350	0.006	562437	10.3	5
66 Diethyl phthalate	149	10.400	10.398	0.002	2733386	10.2	5
67 4-Chlorophenyl phenyl ether	204	10.529	10.523	0.006	1232446	10.6	5
55 2-Nitroaniline	65	10.549	10.544	0.005	759521	11.2	5
69 Fluorene	166	10.553	10.547	0.006	2850489	10.6	5
70 4,6-Dinitro-2-methylphenol	198	10.573	10.566	0.007	352816	10.4	5
71 Diphenylamine	169	10.626	10.619	0.007	2383607	10.6	5
72 N-Nitrosodiphenylamine	169	10.626	10.619	0.007	2383607	10.6	5
73 1,2-Diphenylhydrazine	77	10.664	10.663	0.001	4488256	10.9	5
74 Azobenzene	77	10.664	10.663	0.001	4488256	10.9	5
13 Benzophenone	105	10.674	10.672	0.002	2741079	11.1	5
75 4-Bromophenyl phenyl ether	248	10.943	10.942	0.001	656463	10.7	5
76 Hexachlorobenzene	284	11.025	11.018	0.007	603211	10.2	5
77 Atrazine	200	11.044	11.038	0.006	689073	10.9	5
78 Pentachlorophenol	266	11.179	11.172	0.007	353752	9.93	
79 Pentachloronitrobenzene	237	11.188	11.187	0.001	320075	10.3	5
80 Phenanthrene	178	11.371	11.365	0.006	3637305	10.1	5

Report Date: 25-Sep-2009 10:09:19 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10519.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	11.414	11.408	0.006	3615608	10.8	5
83 Carbazole	167	11.534	11.528	0.006	2867333	10.0	5
84 Di-n-butyl phthalate	149	11.765	11.759	0.006	4292064	9.64	
87 Fluoranthene	202	12.424	12.418	0.006	3270909	10.7	5
86 Benzidine	184	12.520	12.514	0.006	756587	9.93	
85 Pyrene	202	12.674	12.668	0.006	3463857	9.55	
89 Butyl benzyl phthalate	149	13.395	13.389	0.006	1783832	11.1	5
91 3,3'-Dichlorobenzidine	252	14.376	14.364	0.012	716315	10.3	5
92 Bis(2-ethylhexyl) phthalate	149	14.396	14.389	0.007	2519398	11.3	5
93 Benzo[a]anthracene	228	14.468	14.457	0.011	2288092	10.4	5
94 Chrysene	228	14.545	14.534	0.011	2127348	9.81	5
95 Di-n-octyl phthalate	149	15.704	15.702	0.002	3823045	10.3	5
97 Benzo[b]fluoranthene	252	16.334	16.323	0.011	2028591	10.5	5
98 Benzo[k]fluoranthene	252	16.367	16.361	0.006	1934333	10.8	5
99 Benzo[a]pyrene	252	16.839	16.832	0.006	1615348	11.5	5
100 Indeno[1,2,3-cd]pyrene	276	18.916	18.910	0.006	1405253	10.4	5
101 Dibenz(a,h)anthracene	278	18.945	18.939	0.006	1124851	10.5	5
102 Benzo[g,h,i]perylene	276	19.517	19.506	0.011	1156042	11.0	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 25-Sep-2009 10:09:19 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10519.D

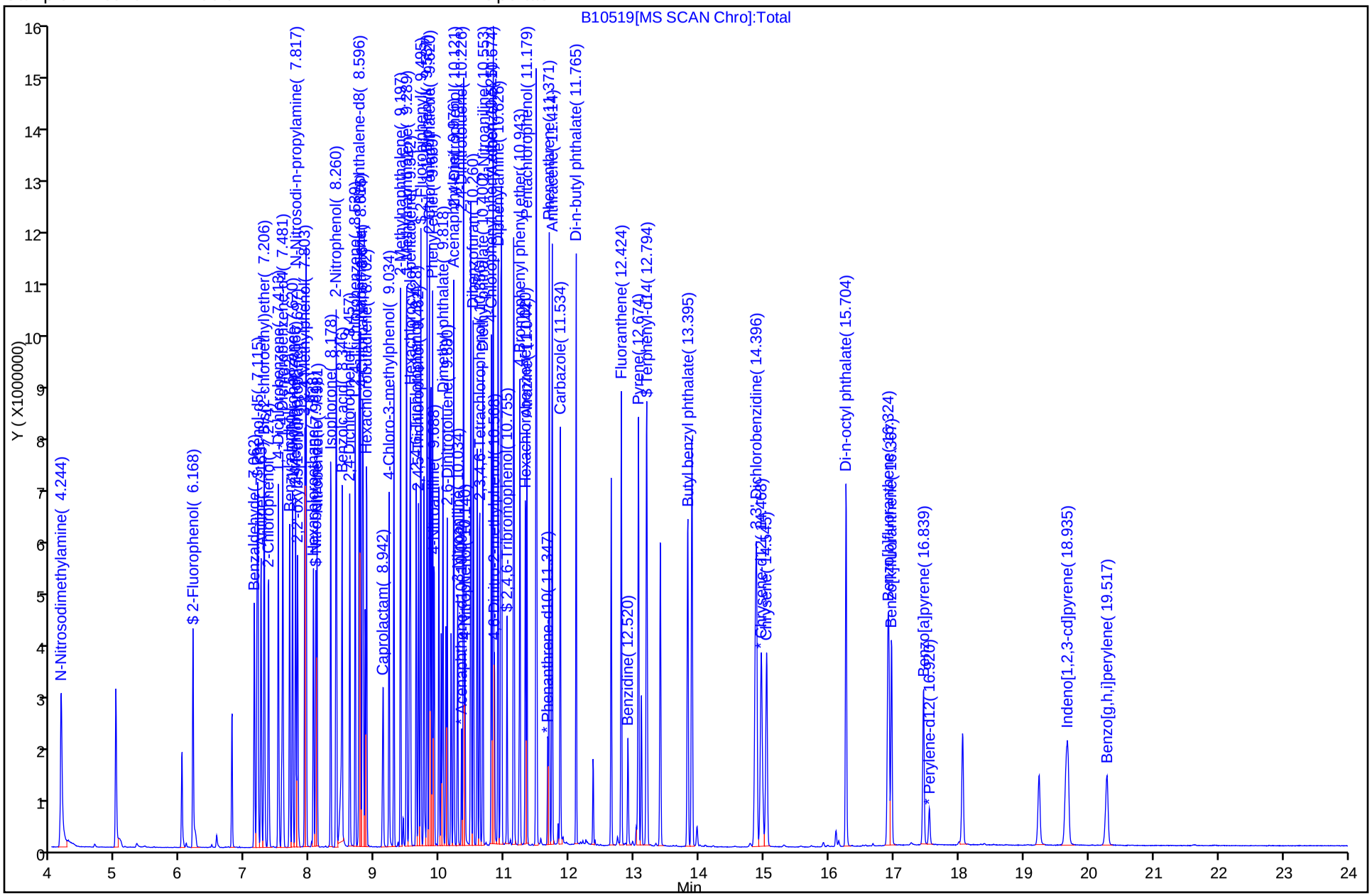
Inj Date: 23-Sep-2009 22:01:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 9

Client ID: Instrument: Inst. B

Sample Info: std10

Sample Amount: 1.00 ul Operator: MZ



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Lims ID:	std20	Client ID:	
Inject. Date:	23-Sep-2009 22:32:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	std20		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49442	Lims Sample ID:	10
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 10:54:40	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	CORPMATTHEWS		
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:09:28
Reviewed By:	MatthewsT	Date:	25-Sep-2009 10:21:53
Reviewed By:	MatthewsT	Date:	25-Sep-2009 10:54:39

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.467	7.460	0.007	343254	2.00	
* 2 Naphthalene-d8	136	8.602	8.590	0.012	1934462	2.00	
* 3 Acenaphthene-d10	164	10.093	10.090	0.003	445239	2.00	
* 4 Phenanthrene-d10	188	11.352	11.346	0.006	740149	2.00	
* 5 Chrysene-d12	240	14.497	14.481	0.016	605313	2.00	
* 6 Perylene-d12	264	16.926	16.919	0.007	379931	2.00	
$ 7 2-Fluorophenol	112	6.173	6.166	0.007	2451150	28.1	5
$ 8 Phenol-d5	99	7.111	7.099	0.012	3037505	25.9	5
$ 9 Nitrobenzene-d5	82	7.967	7.960	0.007	2925694	11.8	5
$ 10 2-Fluorobiphenyl	172	9.501	9.494	0.007	5439730	19.0	
$ 11 2,4,6-Tribromophenol	330	10.761	10.754	0.007	612722	21.4	5
$ 12 Terphenyl-d14	244	12.795	12.788	0.007	4754083	18.7	
15 N-Nitrosodimethylamine	42	4.250	4.233	0.017	1621496	24.5	5
16 Pyridine	79	4.250	4.242	0.008	2118685	20.1	5
17 Benzaldehyde	105	7.068	7.061	0.007	1608415	24.7	5
18 Phenol	94	7.125	7.109	0.016	3140110	25.5	5
19 Aniline	93	7.169	7.157	0.012	3708452	26.2	5
20 Bis(2-chloroethyl)ether	93	7.217	7.205	0.012	2479631	25.3	5
21 2-Chlorophenol	128	7.275	7.268	0.007	2666881	25.5	5
22 1,4-Dichlorobenzene	146	7.419	7.412	0.007	3135492	24.4	5
23 1,3-Dichlorobenzene	146	7.481	7.479	0.002	3258718	24.4	5
24 Benzyl alcohol	79	7.587	7.575	0.012	2352510	20.1	5
25 1,2-Dichlorobenzene	146	7.626	7.619	0.007	3000695	20.1	5
26 2-Methylphenol	108	7.674	7.662	0.012	2457800	26.3	5
27 2,2'-oxybis[1-chloropropane]	45	7.698	7.691	0.007	4148441	23.0	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	7.808	7.797	0.011	2617171	26.7	5
29 N-Nitrosodi-n-propylamine	70	7.823	7.806	0.017	2024758	20.1	5
30 Acetophenone	105	7.828	7.816	0.012	3723900	26.4	5
31 Hexachloroethane	117	7.929	7.926	0.003	1207450	26.5	5
32 Nitrobenzene	77	7.986	7.975	0.011	2894284	20.1	5
33 Isophorone	82	8.188	8.177	0.011	4727137	20.1	5
34 2-Nitrophenol	139	8.260	8.253	0.007	1569989	13.7	
35 2,4-Dimethylphenol	107	8.270	8.258	0.012	2746892	20.2	5
36 Benzoic acid	105	8.376	8.311	0.065	1747014	19.9	M
37 Bis(2-chloroethoxy)methane	93	8.352	8.345	0.007	2820197	20.0	5
38 2,4-Dichlorophenol	162	8.462	8.455	0.007	2242500	20.1	5
39 1,2,4-Trichlorobenzene	180	8.539	8.537	0.002	2503013	20.1	5
40 Alpha-Terpineol	59	8.602	8.590	0.012	2482516	20.1	5
41 Naphthalene	128	8.616	8.609	0.007	6725202	16.7	
42 4-Chloroaniline	127	8.650	8.638	0.012	3364367	20.1	5
43 Hexachlorobutadiene	225	8.708	8.701	0.007	1325094	20.0	5
44 Caprolactam	55	8.972	8.927	0.045	1194298	14.3	
45 4-Chloro-3-methylphenol	107	9.039	9.028	0.011	2385216	13.6	
46 2-Methylnaphthalene	142	9.203	9.196	0.007	5087873	20.3	5
47 1-Methylnaphthalene	142	9.289	9.283	0.006	5036854	20.0	5
48 Hexachlorocyclopentadiene	237	9.333	9.326	0.007	1111512	20.9	5
49 1,2,4,5-Tetrachlorobenzene	216	9.342	9.340	0.002	2199963	20.1	5
50 2,4,6-Trichlorophenol	196	9.434	9.427	0.007	1542701	23.1	5
51 2,4,5-Trichlorophenol	196	9.467	9.460	0.007	1647406	21.8	5
52 1,1'-Biphenyl	154	9.592	9.585	0.007	5658459	18.6	
53 2-Chloronaphthalene	162	9.626	9.614	0.012	5743175	19.7	
54 Phenyl ether	170	9.669	9.667	0.002	3386724	20.0	
68 4-Nitroaniline	138	9.698	9.686	0.012	1814043	20.7	5
56 Dimethyl phthalate	163	9.828	9.811	0.017	5445255	20.2	5
57 2,6-Dinitrotoluene	165	9.891	9.879	0.012	1374843	22.6	5
58 Acenaphthylene	152	9.982	9.975	0.007	6776454	18.3	
59 3-Nitroaniline	138	10.040	10.028	0.012	1376837	22.0	5
60 2,4-Dinitrophenol	184	10.126	10.114	0.012	696224	20.0	
61 Acenaphthene	153	10.126	10.114	0.012	5051700	19.8	
62 4-Nitrophenol	109	10.150	10.134	0.016	864177	22.4	5
63 2,4-Dinitrotoluene	165	10.232	10.220	0.012	1921648	20.9	5
64 Dibenzofuran	168	10.266	10.259	0.007	6185250	18.4	
65 2,3,4,6-Tetrachlorophenol	232	10.362	10.350	0.012	1260895	21.0	5
66 Diethyl phthalate	149	10.405	10.398	0.007	5521219	19.5	
67 4-Chlorophenyl phenyl ether	204	10.530	10.523	0.007	2667172	21.5	5
55 2-Nitroaniline	65	10.564	10.544	0.020	1695699	21.2	5
69 Fluorene	166	10.554	10.547	0.007	5537865	19.5	
70 4,6-Dinitro-2-methylphenol	198	10.578	10.566	0.012	918076	20.0	
71 Diphenylamine	169	10.631	10.619	0.012	4852443	20.4	5
72 N-Nitrosodiphenylamine	169	10.631	10.619	0.012	4852443	20.4	5
73 1,2-Diphenylhydrazine	77	10.670	10.663	0.007	8730681	19.9	
74 Azobenzene	77	10.670	10.663	0.007	8730681	19.9	
13 Benzophenone	105	10.679	10.672	0.007	5635595	21.3	5
75 4-Bromophenyl phenyl ether	248	10.948	10.942	0.006	1446913	21.9	5
76 Hexachlorobenzene	284	11.025	11.018	0.007	1363634	21.6	5
77 Atrazine	200	11.054	11.038	0.016	1496961	22.1	5
78 Pentachlorophenol	266	11.184	11.180	0.004	945332	20.0	

Report Date: 25-Sep-2009 10:54:42 Chrom Revision: 1.1 22-Sep-2009 13:50:48
Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	11.194	11.187	0.007	711718	20.8	5
80 Phenanthrene	178	11.376	11.365	0.011	6787770	18.1	
81 Anthracene	178	11.420	11.408	0.012	6754098	19.1	
83 Carbazole	167	11.535	11.528	0.007	5867517	19.5	
84 Di-n-butyl phthalate	149	11.766	11.759	0.007	7294667	15.9	
87 Fluoranthene	202	12.430	12.418	0.012	6886157	21.1	5
86 Benzidine	184	12.526	12.527	-0.001	2475708	20.0	
85 Pyrene	202	12.680	12.668	0.012	7239678	17.0	
89 Butyl benzyl phthalate	149	13.401	13.389	0.012	4138100	21.3	5
91 3,3'-Dichlorobenzidine	252	14.387	14.364	0.023	1883788	21.3	5
92 Bis(2-ethylhexyl) phthalate	149	14.401	14.389	0.012	6032851	22.3	5
93 Benzo[a]anthracene	228	14.478	14.457	0.021	5573957	21.0	5
94 Chrysene	228	14.560	14.534	0.026	5180096	20.0	5
95 Di-n-octyl phthalate	149	15.709	15.702	0.007	8570188	20.6	5
97 Benzo[b]fluoranthene	252	16.344	16.323	0.021	5004142	23.4	5
98 Benzo[k]fluoranthene	252	16.382	16.361	0.021	4430872	22.5	5
99 Benzo[a]pyrene	252	16.849	16.832	0.017	3685745	23.6	5
100 Indeno[1,2,3-cd]pyrene	276	18.931	18.910	0.021	2573737	18.5	
101 Dibenz(a,h)anthracene	278	18.960	18.939	0.021	2113309	18.8	
102 Benzo[g,h,i]perylene	276	19.527	19.506	0.021	2013647	17.8	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 10:54:43 Chrom Revision: 1.1 22-Sep-2009 13:50:48

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D

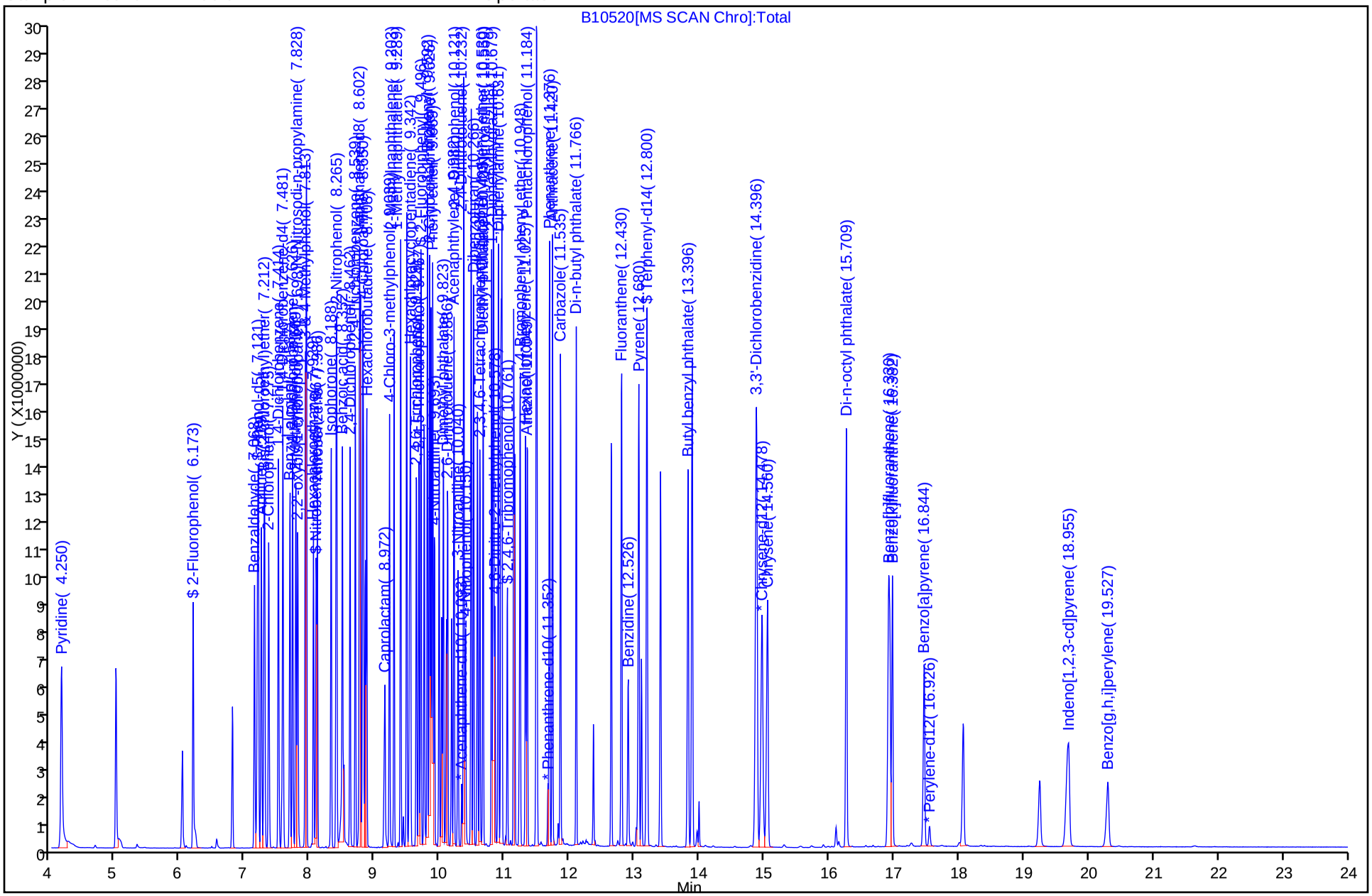
Inj Date: 23-Sep-2009 22:32:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49442 Lims Sample ID: 10

Client ID: Instrument: Inst. B

Sample Info: std20

Sample Amount: 1.00 ul Operator: MZ

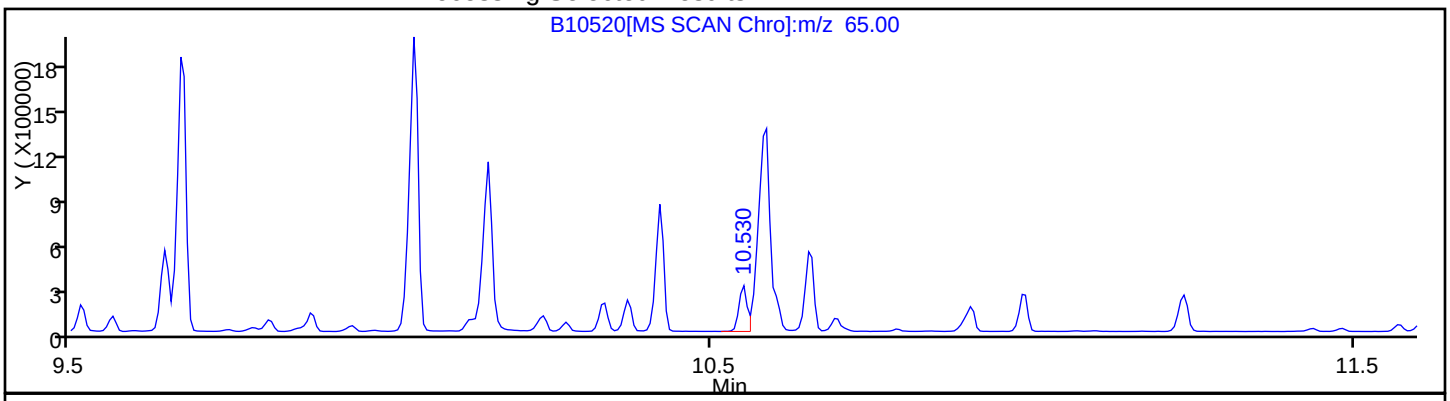


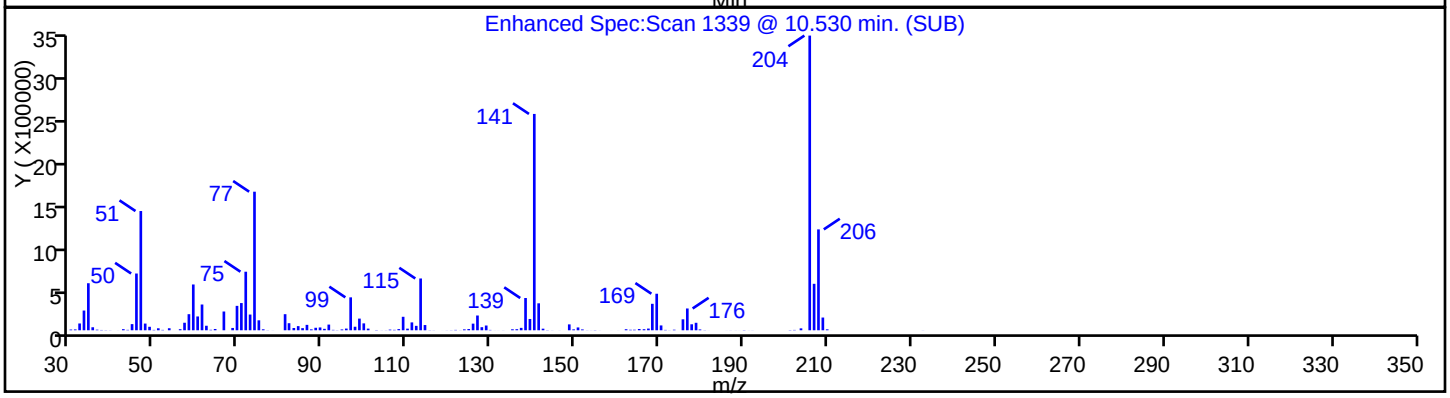
Chrom Revision: 1.1 22-Sep-2009 13:50:48
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Inj Date:	23-Sep-2009 22:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

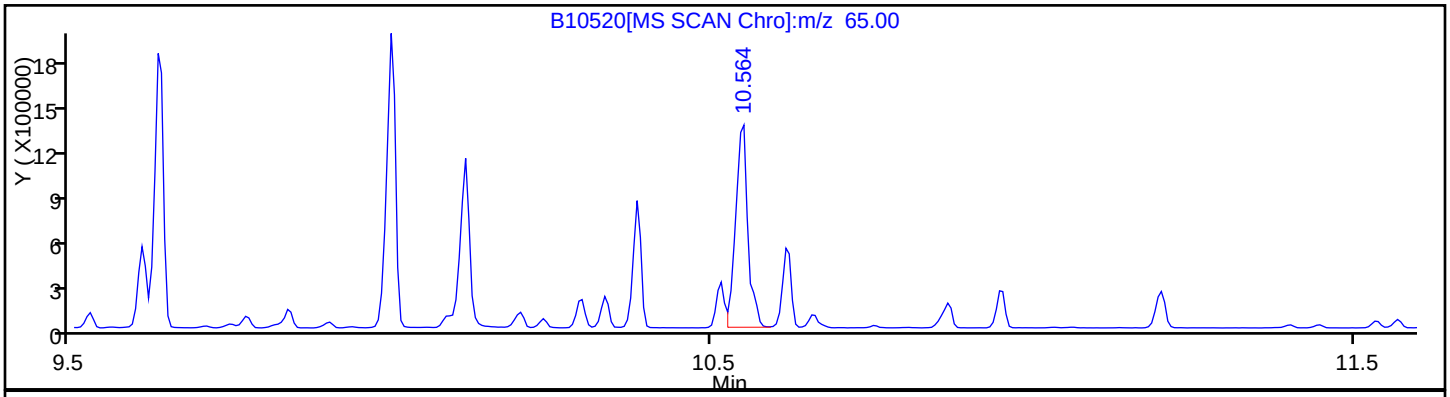
55 2-Nitroaniline

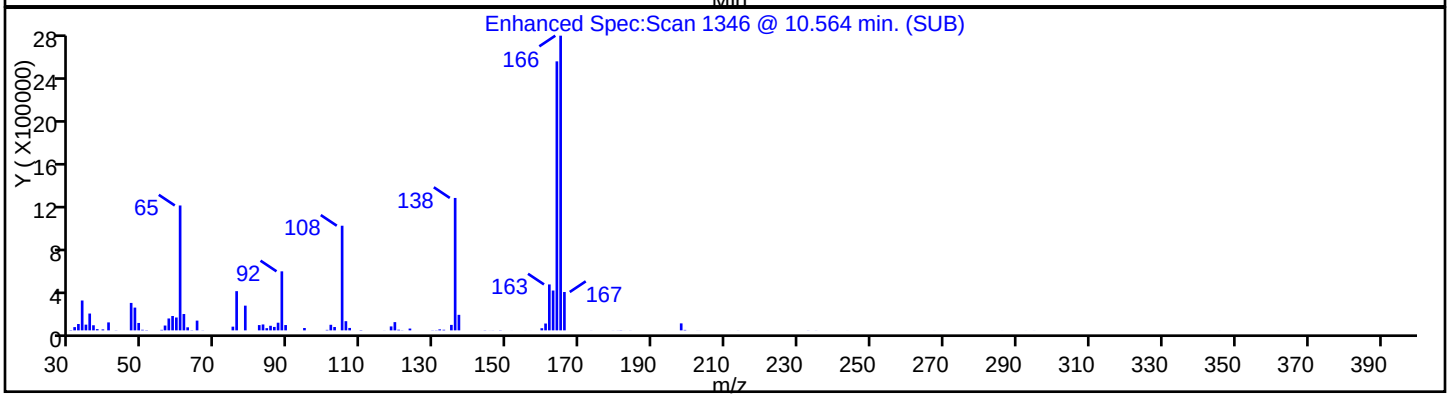
Processing Selected Results





Manual Selected Results





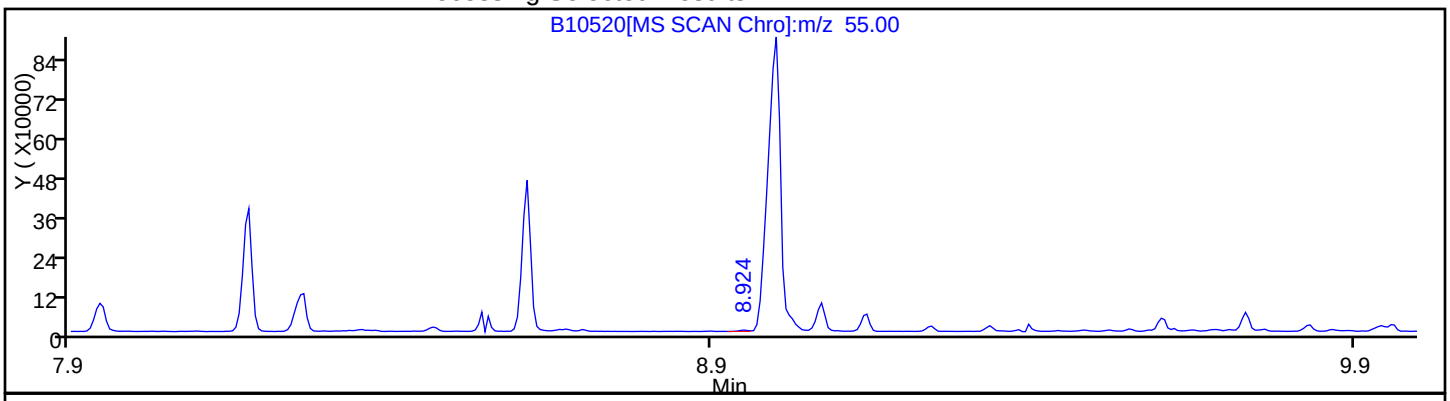
Reviewer: sullivanp, 25-Sep-2009 10:09:28
Audit Action: Selected Alternate Hit
Audit Reason:

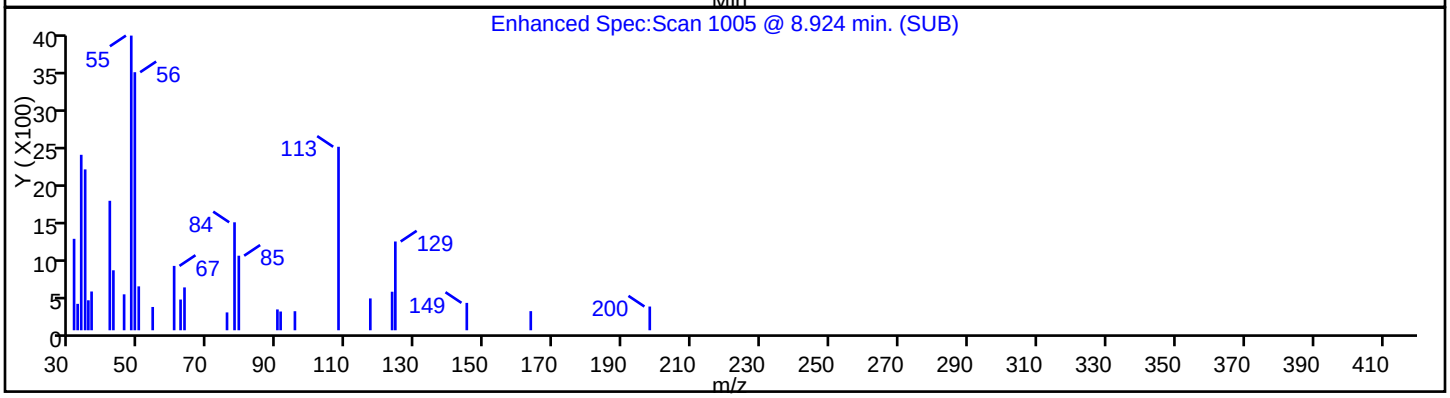
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Inj Date:	23-Sep-2009 22:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

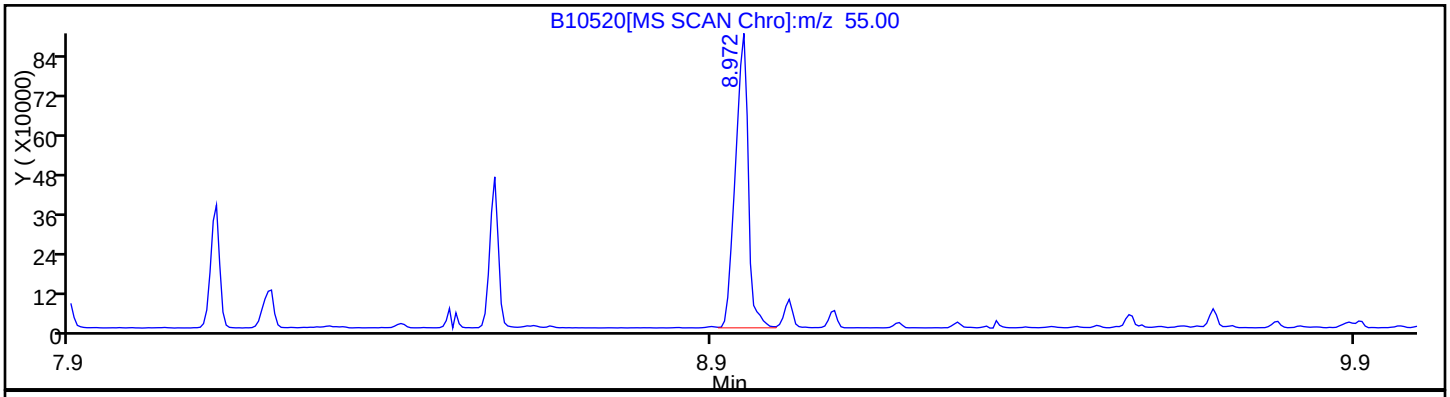
44 Caprolactam

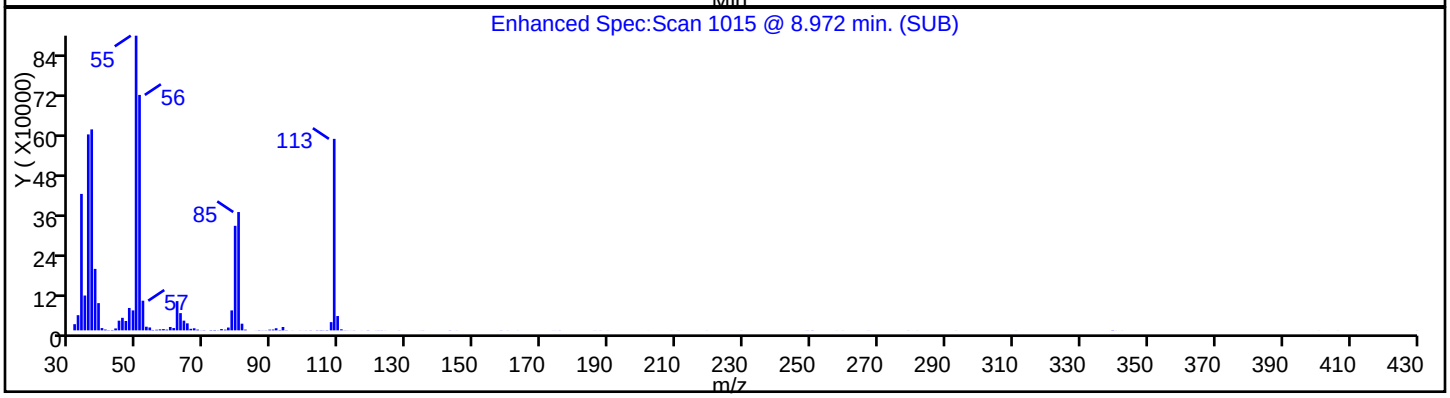
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 25-Sep-2009 10:09:28
Audit Action: Selected Alternate Hit
Audit Reason:

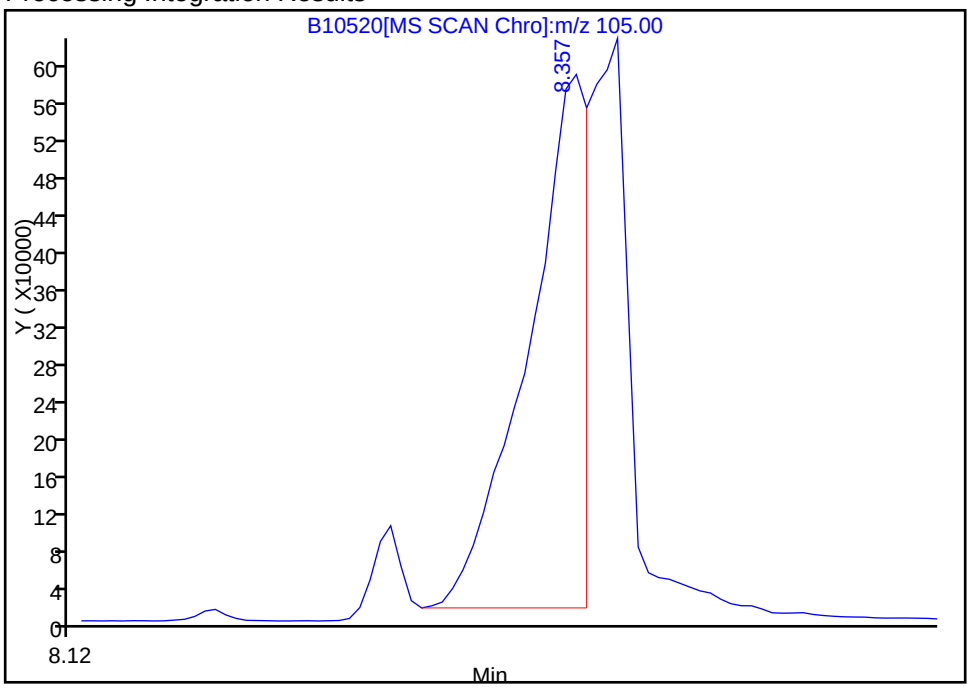
Chrom Revision: 1.1 22-Sep-2009 13:50:48
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Inj Date:	23-Sep-2009 22:32:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	10
Client ID:		Instrument:	Inst. B
Sample Info:	std20		
Sample Amount:	1.00 ul	Operator:	MZ

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 8.31

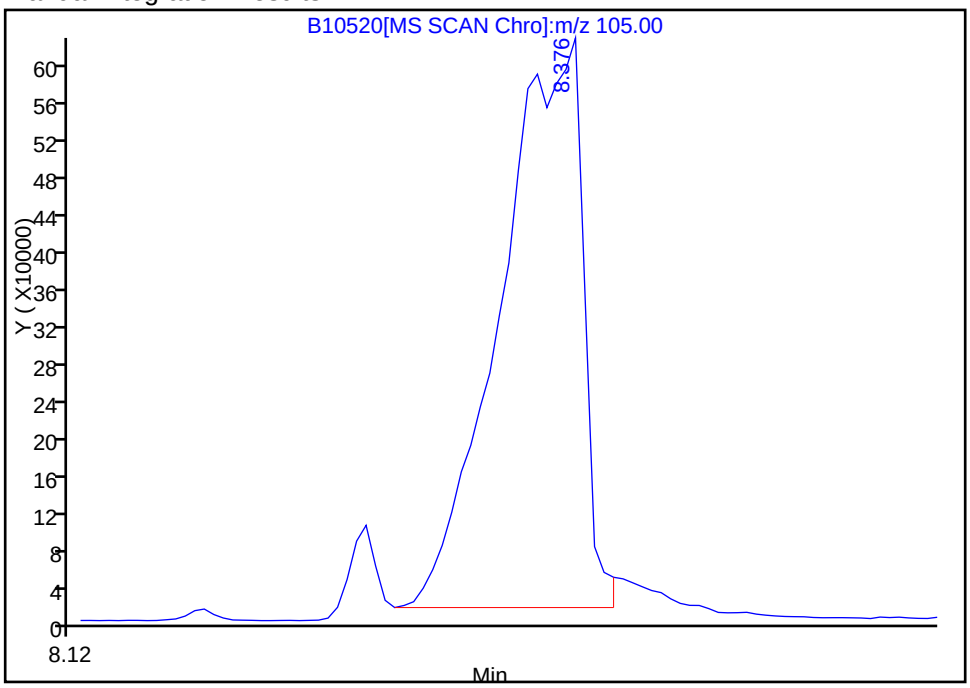
Processing Integration Results

RT: 8.36
Response: 1106945
Amount: 17.235170



Manual Integration Results

RT: 8.38
Response: 1747014
Amount: 19.884598



Reviewer: sullivanp, 25-Sep-2009 10:09:28
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48803

SDG No.: OCRI-10

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

Calibration Start Date: 09/10/2009 16:55 Calibration End Date: 09/10/2009 20:55 Calibration ID: 4351

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-48803/4	J02884.D
Level 2	STD025 360-48803/5	J02885.D
Level 3	STD050 360-48803/6	J02886.D
Level 4	STD1 360-48803/7	J02887.D
Level 5	STD25 360-48803/8	J02888.D
Level 6	STD5 360-48803/3	J02883.D
Level 7	STD8 360-48803/9	J02889.D
Level 8	STD10 360-48803/10	J02890.D
Level 9	STD20 360-48803/11	J02891.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								
N-Nitrosodimethylamine	0.3046 0.2557	0.2878 0.2284	0.2917 0.2191	0.2730 0.2846	0.2730	Ave		0.2687				11.0		15.0			
4-Chloroaniline	+++++ 0.0001	+++++ 0	+++++ 0	+++++ +++++	+++++	Ave		0				68.0	*	15.0			
Pyridine	0.1364	0.0639 0.0017	+++++ 0.0009	0.0173 +++++	0.0038	Ave		0.0323				160.0	*	15.0			
2-Chlorophenol	+++++ 0.0217	+++++ 0.0194	+++++ 0.0193	+++++ +++++	0.0216	Ave		0.0212				9.5		15.0			
Hexachloroethane	+++++ 0.0001	+++++ 0.0002	+++++ 0.0001	+++++ +++++	0.0006	Ave		0.0003				85.0	*	15.0			
1,2,4-Trichlorobenzene	+++++ 0.0005	+++++ 0.0004	+++++ 0.0004	+++++ +++++	0.0004	Ave		0.0004				9.1		15.0			
Aniline	+++++ 0.0002	+++++ 0.0002	+++++ 0.0002	+++++ +++++	0.0005	Qua	0.0012	0	0						0.9970		0.9900
1,2-Dichlorobenzene	+++++ 0.0007	+++++ 0.0006	+++++ 0.0006	+++++ +++++	0.0007	Qua	0.0017	0.0001	0						0.9960		0.9900
1-Methylnaphthalene	+++++ 0.0001	+++++ 0.0001	+++++ 0.0002	+++++ +++++	0.0001	Ave		0.0001				15.0		15.0			
Alpha-Terpineol	+++++ 0.0001	+++++ 0	+++++ 0	0.0061 +++++	0.0001	Ave		0.0011				230.0	*	15.0			
2-Methylnaphthalene	+++++ 0.0003	+++++ 0.0003	+++++ 0.0002	0.0003 +++++	0.0002	Ave		0.0002				34.0	*	15.0			
2,3,4,6-Tetrachlorophenol	+++++ 0.0006	+++++ 0.0004	+++++ 0.0003	+++++ +++++	0.0004	Qua	-0.003	0.0019	0						1.0000		0.9900
Nitrobenzene	+++++ 0.0009	+++++ 0.0005	0.0729 0.0004	0.0737 +++++	0.0008	Qua	0.1147	-0.063	0.0059						0.9910		0.9900

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48803

SDG No.: OCRI-10

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

Calibration Start Date: 09/10/2009 16:55 Calibration End Date: 09/10/2009 20:55 Calibration ID: 4351

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								
Bis(2-chloroethoxy)methane	+++++ 0.1418	+++++ 0.1384	0.1326 0.1397	0.1334 +++++	0.1343	Ave		0.1358				3.1		15.0			
N-Nitrosodiphenylamine	+++++ 0.0258	+++++ 0.0251	+++++ 0.0258	+++++ +++++	0.0262	Ave		0.0257				2.1		15.0			
1,2-Diphenylhydrazine	+++++ 0.0007	+++++ 0.0014	+++++ 0.0003	+++++ +++++	0.0004	Qua	0.0015	-0.001	0.0003						1.0000		0.9900
Phenyl ether	+++++ 0.0008	+++++ 0.0008	+++++ 0.0007	0.0006 +++++	0.0006	Lin2	0	0.0008							0.9910		0.9900
2-Methylphenol	0.6239 0.5914	0.6687 0.5060	0.6884 0.4622	0.6794 +++++	0.6307	Ave		0.6307						15.0			
Benzyl alcohol	0.2405 0.1961	0.2327 0.1699	0.2439 0.1592	0.2143 +++++	0.2042	Ave		0.2057				15.0		15.0			
Hexachlorocyclopentadiene	+++++ 0.0508	+++++ 0.0550	0.0132 0.0777	0.0198 +++++	0.0602	Ave		0.0496		*	0.0500	49.0	*	15.0			
Benzaldehyde	0.1360 0.0006	0.0072 0.0064	0.0068 0.0060	0.0065 +++++	0.0073	Ave		0.0205				210.0	*	15.0			
Phenol	+++++ 0.0448	0.0188 0.0008	0.0220 0.0002	0.0575 +++++	0.0008	Ave		0.0181				120.0	*	15.0			
Acetophenone	0.0124 0.0004	0.0069 0.0001	0.0046 0.0001	0.0047 +++++	0.0005	Ave		0.0033				130.0	*	15.0			
Diphenylamine	+++++ 0.0039	+++++ 0.0039	+++++ 0.0044	0.0018 +++++	0.0048	Ave		0.0036				35.0	*	15.0			
2,4-Dinitrophenol		0.0002	0.0104 0.0001	+++++ +++++	+++++	Ave		0.0053		*	0.0500	140.0	*	15.0			
Bis(2-chloroethyl)ether	0.0192 0.0320	0.0189 0.0301	0.0156 0.0309	0.0335 +++++	0.0361	Qua	0.0051	0.0243	0.0007						0.9980		0.9900
2,2'-oxybis[1-chloropropane]	0.0383 0.0026	0.0182 0.0019	0.0047 0.0018	0.0029 +++++	0.0023	Ave		0.0082				150.0	*	15.0			
1,3-Dichlorobenzene	0.0309 0.0251	0.0300 0.0222	0.0335 0.0205	0.0289 +++++	0.0271	Ave		0.0272				15.0		15.0			
1,4-Dichlorobenzene	0.0309 0.0251	0.0300 0.0222	0.0335 0.0205	0.0289 +++++	0.0271	Ave		0.0272				15.0		15.0			
2,4-Dimethylphenol	0.0173 0.0058	0.0168 0.0054	0.0064 0.0050	0.0061 +++++	0.0055	Lin	0.0029	0.0046							0.9940		0.9900
4-Chloro-3-methylphenol	+++++ 0.0002	0.0253 0.0025	0.0010 0.0026	0.0009 +++++	0.0001	Ave		0.0042				210.0	*	15.0			
Benzoic acid	0.0259 0.0006	0.0103 0.0004	0.0059 0.0002	0.0028 +++++	0.0098	Ave		0.0072				110.0	*	15.0			
N-Nitrosodi-n-propylamine	0.0053 0.0004	0.0084 0.0001	0.0033 0.0001	0.0020 +++++	0.0002	Ave		0.0022		*	0.0500	130.0	*	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.: 360-24417-1 Analy Batch No.: 48803

SDG No.: OCRI-10

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

Calibration Start Date: 09/10/2009 16:55 Calibration End Date: 09/10/2009 20:55 Calibration ID: 4351

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
3 & 4 Methylphenol	0.0499 0.0038	0.0378 0.0029	0.0040 0.0028	0.0047 +++++	0.0036	Ave		0.0173				120.0	*	15.0			
2,4-Dichlorophenol		0.0002	0	+++++		Ave		0.0001				110.0	*	15.0			
Naphthalene			0.0001	+++++		Lin2	0.0015	0							1.0000		0.9900
4,6-Dinitro-2-methylphenol	+++++ 0.0511	+++++ 0.0687	0.0087 0.0917	0.0150 +++++	0.0563	Qua	-0.015	0.0399	0.0037						0.9910		0.9900
Di-n-octyl phthalate	+++++ 0.0013	+++++ 0.0012	+++++ 0.0006	+++++ +++++	0.0005	Ave		0.0009				41.0	*	15.0			
Isophorone	+++++ 0.0203	0.0009 0	0.1938 0	0.0990 +++++	0.0384	Ave		0.0587				130.0	*	15.0			
Benzidine	+++++ 0.0001	+++++ 0.0001	+++++ 0.0001	0.2270 +++++	0.0001	Ave		0.0379				240.0	*	15.0			
Pentachlorophenol	+++++ 0.0565	+++++ 0.0709	0.0034 0.0817	0.0043 +++++	0.0433	Ave		0.0357				86.0	*	15.0			
2,4-Dinitrotoluene	+++++ 0.3585	0.1981 0.3602	0.2389 0.3687	0.2888 +++++	0.3517	Lin2	-0.044	0.3561							0.9950		0.9900
2,4,6-Trichlorophenol	0.2143 0.3083	0.1982 0.3110	0.2430 0.3194	0.2666 +++++	0.2987	Lin1	-0.019	0.3114							0.9990		0.9900
2,4,5-Trichlorophenol	0.2054 0.3083	0.2010 0.3110	0.2476 0.3194	0.2666 +++++	0.2987	Lin2	-0.012	0.2973							0.9910		0.9900
Caprolactam	0.0245 0.0001	0.0033 0	0.0031 0.0006	0.0006 +++++	0.0015	Ave		0.0047				190.0	*	15.0			
1,2,4,5-Tetrachlorobenzene		0.0002	0.0002	+++++		Ave		0.0002						15.0			
2-Chloronaphthalene	1.1412 0.0007	1.2216 0.0010	1.1301 0.0006	0.0058 +++++	0.0019	Ave		0.5004				120.0	*	15.0			
2-Nitroaniline	0.2286 0.0008	0.2383 0.0008	0.2415 0.0004	0.2384 +++++	0.3070	Ave		0.1793				70.0	*	15.0			
Benzophenone	+++++ 0.0024	0.0089 0.0021	0.0032 0.0015	0.0037 +++++	0.0020	Ave		0.0037				71.0	*	15.0			
Dimethyl phthalate	1.1387 1.2654	1.2842 1.2308	1.2780 1.2096	1.2715 +++++	1.2345	Ave		1.2433				4.1		15.0			
2,6-Dinitrotoluene	0.1757 0.2960	0.2063 0.2950	0.2577 0.2968	0.2650 +++++	0.2843	Lin2	-0.012	0.2853							0.9960		0.9900
1,1'-Biphenyl	0.0091 0.0151	0.0147 0.0135	0.0151 0.0138	0.0176 +++++	0.0137	Lin1	0	0.0143							0.9920		0.9900
Acenaphthylene	1.4760 1.7208	1.6238 1.6223	1.6856 1.6301	1.6794 +++++	1.6728	Ave		1.6401				4.9		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48803

SDG No.: OCRI-10

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

Calibration Start Date: 09/10/2009 16:55 Calibration End Date: 09/10/2009 20:55 Calibration ID: 4351

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
3-Nitroaniline	0.1661 0.2954	0.1945 0.2915	0.2344 0.3014	0.2468 +++++	0.2830	Lin2	-0.013	0.2767							0.9920		0.9900
Acenaphthene	1.1189 1.0911	1.1831 1.0509	1.1602 1.0312	1.1335 +++++	1.1100	Ave		1.1211				3.9		15.0			
2-Nitrophenol	0.0172 0.0040	0.0233 0.0041	0.0049 0.0042	0.0045 +++++	0.0040	Ave		0.0089				90.0	*	15.0			
4-Nitrophenol	0.0155 0.1109	0.0359 0.1176	0.0444 0.1372	0.0518 +++++	0.1071	Lin	-0.035	0.1205			0.0500				0.9970		0.9900
Dibenzofuran	1.5558 1.5209	1.6171 1.4483	1.6256 1.4042	1.6012 +++++	1.5394	Ave		1.5583				4.0		15.0			
Diethyl phthalate	1.3171 1.2820	1.2724 1.2541	1.2651 1.2184	1.2443 +++++	1.2287	Ave		1.2662				2.3		15.0			
4-Chlorophenyl phenyl ether	0.5835 0.5560	0.6163 0.5159	0.6139 0.4970	0.5807 +++++	0.5631	Ave		0.5756				6.1		15.0			
Fluorene	1.1932 1.2219	1.2790 1.1442	1.2746 1.1209	1.2298 +++++	1.2074	Ave		1.2215				3.8		15.0			
4-Nitroaniline	0.1408 0.2840	0.1631 0.2817	0.2053 0.3036	0.2198 +++++	0.2762	Lin1	-0.023	0.2826							0.9970		0.9900
Azobenzene	1.0010 1.2278	1.0744 1.2262	1.1766 1.2193	1.1984 +++++	1.1874	Ave		1.1560				7.4		15.0			
4-Bromophenyl phenyl ether	0.1868 0.1834	0.1940 0.1829	0.1932 0.1789	0.1978 +++++	0.1836	Ave		0.1888				3.2		15.0			
Hexachlorobenzene	0.1967 0.1854	0.1983 0.1827	0.2071 0.1777	0.1932 +++++	0.1874	Ave		0.1930				4.4		15.0			
Atrazine	0.1431 0.0005	0.1474 0.0004	0.1753 0.0005	0.1832 +++++	0.0004	Ave		0.0929				94.0	*	15.0			
Pentachloronitrobenzene	0.0475 0.0790	0.0521 0.0813	0.0612 0.0819	0.0668 +++++	0.0756	Lin1	-0.005	0.0799							0.9980		0.9900
Anthracene	1.0595 1.0026	1.1028 0.9721	1.0992 0.9669	1.0662 +++++	1.0035	Ave		1.0183				6.8		15.0			
Phenanthrene	1.0595 1.0026	1.1028 0.9721	1.0992 0.9669	1.0662 +++++	1.0035	Ave		1.0183				6.8		15.0			
Carbazole	0.6971 0.8094	0.7492 0.8014	0.8179 0.8270	0.8271 +++++	0.8582	Ave		0.7926				6.4		15.0			
Di-n-butyl phthalate	1.3129 1.2371	1.1194 1.2152	1.1513 1.2019	1.1596 +++++	1.1914	Ave		1.1895				5.2		15.0			
Pyrene	1.6872 1.3351	1.5149 1.4000	1.5394 1.2435	1.4642 +++++	1.2100	Ave		1.4080				11.0		15.0			
Fluoranthene	0.8622 0.0001	0.8385 0	0.9307 0.0001	0.0009 +++++	0.0002	Ave		0.2926				150.0	*	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.: 360-24417-1 Analy Batch No.: 48803

SDG No.: OCRI-10

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

Calibration Start Date: 09/10/2009 16:55 Calibration End Date: 09/10/2009 20:55 Calibration ID: 4351

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								
Butyl benzyl phthalate	0.8269 0.7128	0.5510 0.7651	0.6026 0.6909	0.6191 +++++	0.6067	Ave		0.6778				13.0		15.0			
Benzo[a]anthracene	1.8446 0.9689	1.0136 0.9444	0.9268 0.9512	0.8836 +++++	0.9172	Lin1	0.0523	0.9408							0.9990		0.9900
Chrysene	1.8450 0.9704	1.0134 0.9536	0.9268 0.9724	0.8836 +++++	0.9119	Lin1	0.0517	0.9442							0.9990		0.9900
Bis(2-ethylhexyl) phthalate	1.7016 1.0179	0.9890 1.0884	0.9736 0.9728	0.9705 +++++	0.8806	Lin1	0.0392	0.9846							0.9960		0.9900
3,3'-Dichlorobenzidine		 0.0001	 0.0001	 +++++		Qua	-0.002	0.0005	0						1.0000		0.9900
Benzo[b]fluoranthene	1.5355 0.8983	0.9996 0.8945	0.8569 0.9174	0.8124 +++++	0.8751	Lin2	0.0638	0.8351							0.9900		0.9900
Benzo[k]fluoranthene	1.5355 0.8983	0.9996 0.8945	0.8569 0.9174	0.8124 +++++	0.8751	Lin2	0.0638	0.8351							0.9900		0.9900
Benzo[a]pyrene	0.0458 0.0005	0.0229 0.0001	0.0218 0.0001	0.0017 +++++	0.0006	Ave		0.0104				160.0	*	15.0			
2-Fluorophenol	0.6759 0.6191	0.6683 0.5395	0.7107 0.5139	0.6885 +++++	0.6450	Ave		0.6496				8.7		15.0			
Phenol-d5	0.8222 0.7375	0.8389 0.6586	0.8756 0.6215	0.8348 +++++	0.7760	Ave		0.7919				9.4		15.0			
Nitrobenzene-d5	0.2688 0.3204	0.2952 0.3181	0.2966 0.3282	0.3059 +++++	0.3058	Ave		0.3016				5.8		15.0			
2-Fluorobiphenyl	1.3378 1.2657	1.4037 1.1968	1.3698 1.1739	1.3336 +++++	1.2554	Ave		1.3090				5.5		15.0			
2,4,6-Tribromophenol	0.0330 0.0744	0.0361 0.0797	0.0453 0.0825	0.0524 +++++	0.0720	Lin1	-0.008	0.0769							0.9920		0.9900
Terphenyl-d14	1.2321 0.8626	1.0302 0.8832	1.0590 0.7901	0.9689 +++++	0.7696	Lin2	0.0378	0.8765							0.9910		0.9900

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48803

SDG No.: OCRI-10

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

Calibration Start Date: 09/10/2009 16:55 Calibration End Date: 09/10/2009 20:55 Calibration ID: 4351

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-48803/4	J02884.D
Level 2	STD025 360-48803/5	J02885.D
Level 3	STD050 360-48803/6	J02886.D
Level 4	STD1 360-48803/7	J02887.D
Level 5	STD25 360-48803/8	J02888.D
Level 6	STD5 360-48803/3	J02883.D
Level 7	STD8 360-48803/9	J02889.D
Level 8	STD10 360-48803/10	J02890.D
Level 9	STD20 360-48803/11	J02891.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
N-Nitrosodimethylamine	DCB	Ave	2314 114264	5082 213279	10573 287372	20088 516202	74725	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloroaniline	NPT	Ave	+++++ 81	+++++ 82	+++++ 89	+++++ +++++	+++++	+++++ 5.00	+++++ 8.00	+++++ 10.0	+++++ +++++	+++++
Pyridine	DCB	Ave	1036	1128 1583	+++++ 1126	1272 +++++	1036	0.100	0.250 8.00	+++++ 10.0	1.00 +++++	2.50
2-Chlorophenol	DCB	Ave	+++++ 9691	+++++ 18129	+++++ 25301	+++++ +++++	5917	+++++ 5.00	+++++ 8.00	+++++ 10.0	+++++ +++++	2.50
Hexachloroethane	DCB	Ave	+++++ 50	+++++ 198	+++++ 76	+++++ +++++	177	+++++ 5.00	+++++ 8.00	+++++ 10.0	+++++ +++++	2.50
1,2,4-Trichlorobenzene	NPT	Ave	+++++ 438	+++++ 691	+++++ 971	+++++ +++++	263	+++++ 5.00	+++++ 8.00	+++++ 10.0	+++++ +++++	2.50
Aniline	DCB	Qua	+++++ 93	+++++ 161	+++++ 202	+++++ +++++	128	+++++ 5.00	+++++ 8.00	+++++ 10.0	+++++ +++++	2.50
1,2-Dichlorobenzene	DCB	Qua	+++++ 335	+++++ 519	+++++ 851	+++++ +++++	202	+++++ 5.00	+++++ 8.00	+++++ 10.0	+++++ +++++	2.50
1-Methylnaphthalene	NPT	Ave	+++++ 76	+++++ 125	+++++ 364	+++++ +++++	38	+++++ 5.00	+++++ 8.00	+++++ 10.0	+++++ +++++	2.50
Alpha-Terpineol	NPT	Ave	+++++ 48	+++++ 82	+++++ 48	1065 +++++	82	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 +++++	2.50
2-Methylnaphthalene	NPT	Ave	+++++ 312	+++++ 570	+++++ 549	49 +++++	125	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 +++++	2.50
2,3,4,6-Tetrachlorophenol	ANT	Qua	+++++ 272	+++++ 318	+++++ 367	+++++ +++++	123	+++++ 5.00	+++++ 8.00	+++++ 10.0	+++++ +++++	2.50
Nitrobenzene	NPT	Qua	+++++ 865	+++++ 912	6493 949	12838 +++++	526	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 +++++	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	+++++ 131207	+++++ 243392	11808 325690	23230 +++++	83677	+++++ 5.00	+++++ 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.: 360-24417-1 Analy Batch No.: 48803

SDG No.: OCRI-10

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

Calibration Start Date: 09/10/2009 16:55 Calibration End Date: 09/10/2009 20:55 Calibration ID: 4351

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
N-Nitrosodiphenylamine	PHN	Ave	+++++ 19845	+++++ 36326	+++++ 50495	+++++ +++++	13664	+++++ 5.00	+++++ 8.00	+++++ 10.0	+++++ +++++	2.50
1,2-Diphenylhydrazine	PHN	Qua	+++++ 567	+++++ 2004	+++++ 507	+++++ +++++	208	+++++ 5.00	+++++ 8.00	+++++ 10.0	+++++ +++++	2.50
Phenyl ether	NPT	Lin2	+++++ 750	+++++ 1434	+++++ 1702	96 +++++	390	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 +++++	2.50
2-Methylphenol	DCB	Ave	4740 264295	11809 472376	24950 606351	49988 +++++	172638	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Benzyl alcohol	DCB	Ave	1827 87617	4109 158624	8839 208832	15767 +++++	55884	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Hexachlorocyclopentadiene	ANT	Ave	+++++ 23590	+++++ 48819	587 92396	1737 +++++	18793	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 +++++	2.50
Benzaldehyde	DCB	Ave	1033 274	128 5960	247 7823	478 +++++	1999	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Phenol	DCB	Ave	+++++ 20020	332 704	796 272	4232 +++++	221	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Acetophenone	DCB	Ave	94 168	122 75	166 165	343 +++++	131	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Diphenylamine	PHN	Ave	+++++ 3021	+++++ 5600	+++++ 8658	253 +++++	2526	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 +++++	2.50
2,4-Dinitrophenol	ANT	Ave		 190	462 164	+++++ +++++	+++++		 8.00	0.500 10.0	+++++ +++++	+++++
Bis(2-chloroethyl)ether	DCB	Qua	146 14315	333 28062	564 40500	2466 +++++	9875	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,2'-oxybis[1-chloropropane]	DCB	Ave	291 1179	322 1756	170 2378	215 +++++	623	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
1,3-Dichlorobenzene	DCB	Ave	235 11210	530 20750	1213 26876	2126 +++++	7413	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
1,4-Dichlorobenzene	DCB	Ave	235 11210	530 20750	1213 26876	2126 +++++	7413	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,4-Dimethylphenol	NPT	Lin	334 5391	716 9452	569 11737	1067 +++++	3457	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4-Chloro-3-methylphenol	NPT	Ave	+++++ 147	1079 4452	91 6082	160 +++++	64	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Benzoic acid	NPT	Ave	501 587	440 713	524 441	485 +++++	6123	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	40 180	148 58	118 157	149 +++++	53	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
3 & 4 Methylphenol	DCB	Ave	379 1693	667 2744	144 3621	349 +++++	988	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,4-Dichlorophenol	NPT	Ave		 276	 43	 +++++			 8.00	 10.0	 +++++	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48803

SDG No.: OCRI-10

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

Calibration Start Date: 09/10/2009 16:55 Calibration End Date: 09/10/2009 20:55 Calibration ID: 4351

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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Naphthalene	NPT	Lin2										
					246	+++++				10.0	+++++	
4,6-Dinitro-2-methylphenol	PHN	Qua	+++++	+++++	623	2082	29318	+++++	+++++	0.500	1.00	2.50
			39382	99348	179094	+++++		5.00	8.00	10.0	+++++	
Di-n-octyl phthalate	PRY	Ave	+++++	+++++	+++++	+++++	175	+++++	+++++	+++++	+++++	2.50
			517	783	749	+++++		5.00	8.00	10.0	+++++	
Isophorone	NPT	Ave	+++++	37	17256	17238	23954	+++++	0.250	0.500	1.00	2.50
			18794	76	27	+++++		5.00	8.00	10.0	+++++	
Benzidine	PHN	Ave	+++++	+++++	+++++	31495	45	+++++	+++++	+++++	1.00	2.50
			105	165	196	+++++		5.00	8.00	10.0	+++++	
Pentachlorophenol	PHN	Ave	+++++	+++++	240	602	22573	+++++	+++++	0.500	1.00	2.50
			43544	102471	159653	+++++		5.00	8.00	10.0	+++++	
2,4-Dinitrotoluene	ANT	Lin2	+++++	4176	10645	25288	109689	+++++	0.250	0.500	1.00	2.50
			166301	319570	438516	+++++		5.00	8.00	10.0	+++++	
2,4,6-Trichlorophenol	ANT	Lin1	2022	4178	10827	23345	93163	0.100	0.250	0.500	1.00	2.50
			143038	275939	379917	+++++		5.00	8.00	10.0	+++++	
2,4,5-Trichlorophenol	ANT	Lin2	1938	4238	11034	23345	93163	0.100	0.250	0.500	1.00	2.50
			143038	275939	379917	+++++		5.00	8.00	10.0	+++++	
Caprolactam	NPT	Ave	474	141	274	108	926	0.100	0.250	0.500	1.00	2.50
			134	39	1409	+++++		5.00	8.00	10.0	+++++	
1,2,4,5-Tetrachlorobenzene	NPT	Ave										
				314	438	+++++			8.00	10.0	+++++	
2-Chloronaphthalene	ANT	Ave	10767	25757	50357	509	608	0.100	0.250	0.500	1.00	2.50
			335	886	679	+++++		5.00	8.00	10.0	+++++	
2-Nitroaniline	ANT	Ave	2157	5024	10760	20873	95764	0.100	0.250	0.500	1.00	2.50
			388	685	444	+++++		5.00	8.00	10.0	+++++	
Benzophenone	PHN	Ave	+++++	295	229	509	1057	+++++	0.250	0.500	1.00	2.50
			1843	2999	2947	+++++		5.00	8.00	10.0	+++++	
Dimethyl phthalate	ANT	Ave	10743	27077	56947	111319	385062	0.100	0.250	0.500	1.00	2.50
			587050	1091862	1438716	+++++		5.00	8.00	10.0	+++++	
2,6-Dinitrotoluene	ANT	Lin2	1658	4350	11482	23202	88684	0.100	0.250	0.500	1.00	2.50
			137322	261684	352977	+++++		5.00	8.00	10.0	+++++	
1,1'-Biphenyl	ANT	Lin1	86	309	675	1544	4268	0.100	0.250	0.500	1.00	2.50
			6985	12004	16392	+++++		5.00	8.00	10.0	+++++	
Acenaphthylene	ANT	Ave	13925	34237	75105	147037	521771	0.100	0.250	0.500	1.00	2.50
			798331	1439218	1938829	+++++		5.00	8.00	10.0	+++++	
3-Nitroaniline	ANT	Lin2	1567	4102	10446	21611	88260	0.100	0.250	0.500	1.00	2.50
			137032	258606	358452	+++++		5.00	8.00	10.0	+++++	
Acenaphthene	ANT	Ave	10556	24945	51695	99242	346250	0.100	0.250	0.500	1.00	2.50
			506184	932264	1226458	+++++		5.00	8.00	10.0	+++++	
2-Nitrophenol	NPT	Ave	333	993	435	788	2477	0.100	0.250	0.500	1.00	2.50
			3702	7256	9831	+++++		5.00	8.00	10.0	+++++	

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 48803

SDG No.: OCRI-10

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

Calibration Start Date: 09/10/2009 16:55 Calibration End Date: 09/10/2009 20:55 Calibration ID: 4351

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	Lin	146 51438	757 104356	1980 163221	4532 +++++	33396	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Dibenzofuran	ANT	Ave	14678 705612	34097 1284833	72433 1670089	140186 +++++	480188	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Diethyl phthalate	ANT	Ave	12426 594762	26828 1112570	56369 1449180	108938 +++++	383264	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4-Chlorophenyl phenyl ether	ANT	Ave	5505 257958	12994 457717	27355 591084	50843 +++++	175629	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Fluorene	ANT	Ave	11257 566891	26968 1015067	56793 1333176	107673 +++++	376626	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4-Nitroaniline	ANT	Lin1	1328 131773	3439 249926	9148 361048	19248 +++++	86157	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Azobenzene	PHN	Ave	15346 946235	35573 1772720	83812 2382324	166267 +++++	618849	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
4-Bromophenyl phenyl ether	PHN	Ave	2863 141354	6424 264472	13765 349620	27449 +++++	95673	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Hexachlorobenzene	PHN	Ave	3016 142911	6565 264064	14754 347229	26799 +++++	97682	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Atrazine	PHN	Ave	2194 360	4881 599	12487 1046	25424 +++++	193	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Pentachloronitrobenzene	PHN	Lin1	728 60851	1725 117491	4356 160076	9262 +++++	39388	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Anthracene	PHN	Ave	16242 772700	36513 1405369	78299 1889145	147923 +++++	523027	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Phenanthrene	PHN	Ave	16242 772700	36513 1405369	78299 1889145	147923 +++++	523027	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Carbazole	PHN	Ave	10687 623818	24805 1158549	58264 1615806	114757 +++++	447298	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Di-n-butyl phthalate	PHN	Ave	20128 953403	37064 1756820	82008 2348347	160890 +++++	620937	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Pyrene	CRY	Ave	12328 717830	25673 1306981	61558 1804568	122984 +++++	496208	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Fluoranthene	PHN	Ave	13218 97	27764 72	66296 241	123 +++++	87	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Butyl benzyl phthalate	CRY	Ave	6042 383253	9338 714248	24097 1002593	52003 +++++	248810	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Benzo[a]anthracene	CRY	Lin1	13478 520946	17178 881673	37060 1380475	74216 +++++	376126	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Chrysene	CRY	Lin1	13481 521720	17175 890288	37060 1411207	74216 +++++	373943	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Bis(2-ethylhexyl) phthalate	CRY	Lin1	12433 547274	16761 1016134	38933 1411752	81516 +++++	361115	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.: 360-24417-1 Analy Batch No.: 48803

SDG No.: OCRI-10

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

Calibration Start Date: 09/10/2009 16:55 Calibration End Date: 09/10/2009 20:55 Calibration ID: 4351

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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3,3'-Dichlorobenzidine	CRY	Qua		100	171	+++++			8.00	10.0	+++++	
Benzo[b]fluoranthene	PRY	Lin2	6404 350668	10087 582031	20522 1129682	39023 +++++	282474	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Benzo[k]fluoranthene	PRY	Lin2	6404 350668	10087 582031	20522 1129682	39023 +++++	282474	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Benzo[a]pyrene	PRY	Ave	191 178	231 81	522 88	84 +++++	186	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Fluorophenol	DCB	Ave	5135 276663	11802 503704	25760 674197	50660 +++++	176556	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Phenol-d5	DCB	Ave	6247 329558	14815 614906	31735 815277	61424 +++++	212411	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Nitrobenzene-d5	NPT	Ave	5199 296367	12585 559444	26409 764975	53268 +++++	190600	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2-Fluorobiphenyl	ANT	Ave	12621 587185	29596 1061704	61037 1396253	116763 +++++	391600	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
2,4,6-Tribromophenol	PHN	Lin1	506 57338	1194 115296	3230 161212	7273 +++++	37538	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50
Terphenyl-d14	CRY	Lin2	9003 463757	17460 824510	42346 1146573	81381 +++++	315608	0.100 5.00	0.250 8.00	0.500 10.0	1.00 +++++	2.50

Curve Type Legend:

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02883.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	10-Sep-2009 16:55:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	std5		
Misc. Info.:	360-0001128-003		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	48803	Lims Sample ID:	3
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\8270NDMA.m		
Last Update:	11-Sep-2009 08:57:28	Calib Date:	10-Sep-2009 16:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02883.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	10-Sep-2009 17:59:42
Reviewed By:	rachtank	Date:	11-Sep-2009 08:03:53
Reviewed By:	rachtank	Date:	11-Sep-2009 08:30:49
Reviewed By:	rachtank	Date:	11-Sep-2009 08:44:04
Reviewed By:	rachtank	Date:	11-Sep-2009 08:57:28

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.127	5.127	0.000	178755	2.00	
* 2 Naphthalene-d8	136	6.353	6.353	0.000	370018	2.00	M
* 3 Acenaphthene-d10	164	8.084	8.084	0.000	185573	2.00	
* 4 Phenanthrene-d10	188	9.556	9.556	0.000	308269	2.00	
* 5 Chrysene-d12	240	12.196	12.196	0.000	215056	2.00	
* 6 Perylene-d12	264	13.648	13.648	0.000	156144	2.00	
$ 7 2-Fluorophenol	112	3.886	3.886	0.000	276663	5.00	
$ 8 Phenol-d5	99	4.776	4.776	0.000	329558	5.00	
$ 9 Nitrobenzene-d5	82	5.660	5.660	0.000	296367	5.00	
$ 10 2-Fluorobiphenyl	172	7.416	7.416	0.000	587185	5.00	
$ 11 2,4,6-Tribromophenol	330	8.863	8.863	0.000	57338	5.00	
$ 12 Terphenyl-d14	244	11.133	11.133	0.000	463757	5.00	
15 N-Nitrosodimethylamine	42	2.516	2.516	0.000	114264	5.00	
24 Benzyl alcohol	79	5.507	5.507	0.000	87617	5.00	
26 2-Methylphenol	108	5.507	5.507	0.000	264295	5.00	
17 Benzaldehyde	94	5.656	5.656	0.000	274	5.00	5
30 Acetophenone	105	5.862	5.862	0.000	168	5.00	
20 Bis(2-chloroethyl)ether	93	5.983	5.983	0.000	14315	5.00	
32 Nitrobenzene	77	6.300	6.300	0.000	865	5.00	5
35 2,4-Dimethylphenol	107	6.300	6.300	0.000	5391	5.00	
36 Benzoic acid	105	6.358	6.358	0.000	587	5.00	
37 Bis(2-chloroethoxy)methane	93	6.382	6.382	0.000	131207	5.00	
21 2-Chlorophenol	128	6.213	6.213	0.000	9691	5.00	
27 2,2'-oxybis[1-chloropropane]	45	6.213	6.213	0.000	1179	5.00	
22 1,4-Dichlorobenzene	146	6.300	6.300	0.000	11210	5.00	
23 1,3-Dichlorobenzene	146	6.300	6.300	0.000	11210	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
39 1,2,4-Trichlorobenzene	180	6.521	6.521	0.000	438	5.00	
31 Hexachloroethane	117	6.233	6.233	0.000	50	5.00	
40 Alpha-Terpineol	59	6.550	6.550	0.000	48	5.00	5
42 4-Chloroaniline	127	6.656	6.656	0.000	81	5.00	
29 N-Nitrosodi-n-propylamine	70	6.415	6.415	0.000	180	5.00	
28 3 & 4 Methylphenol	108	6.439	6.439	0.000	1693	5.00	5
18 Phenol	94	6.497	6.497	0.000	20020	5.00	
19 Aniline	93	6.603	6.603	0.000	93	5.00	
45 4-Chloro-3-methylphenol	107	7.132	7.132	0.000	147	5.00	5
25 1,2-Dichlorobenzene	146	6.901	6.901	0.000	335	5.00	
46 2-Methylnaphthalene	142	7.329	7.329	0.000	312	5.00	
44 Caprolactam	55	7.435	7.435	0.000	134	5.00	
48 Hexachlorocyclopentadiene	237	7.209	7.209	0.000	23590	5.00	
50 2,4,6-Trichlorophenol	196	7.368	7.368	0.000	143038	5.00	
51 2,4,5-Trichlorophenol	196	7.368	7.368	0.000	143038	5.00	
47 1-Methylnaphthalene	142	7.747	7.747	0.000	76	5.00	
53 2-Chloronaphthalene	162	7.579	7.579	0.000	335	5.00	5
55 2-Nitroaniline	65	7.656	7.656	0.000	388	5.00	5
54 Phenyl ether	170	7.925	7.925	0.000	750	5.00	
33 Isophorone	82	8.084	8.084	0.000	18794	5.00	
56 Dimethyl phthalate	163	7.815	7.815	0.000	587050	5.00	
34 2-Nitrophenol	139	8.113	8.113	0.000	3702	5.00	
57 2,6-Dinitrotoluene	165	7.877	7.877	0.000	137322	5.00	
52 1,1'-Biphenyl	154	7.945	7.945	0.000	6985	5.00	
58 Acenaphthylene	152	7.945	7.945	0.000	798331	5.00	
59 3-Nitroaniline	138	8.041	8.041	0.000	137032	5.00	
61 Acenaphthene	153	8.118	8.118	0.000	506184	5.00	
62 4-Nitrophenol	109	8.204	8.204	0.000	51438	5.00	
63 2,4-Dinitrotoluene	165	8.276	8.276	0.000	166301	5.00	
64 Dibenzofuran	168	8.286	8.286	0.000	705612	5.00	
66 Diethyl phthalate	149	8.507	8.507	0.000	594762	5.00	
67 4-Chlorophenyl phenyl ether	204	8.623	8.623	0.000	257958	5.00	
13 Benzophenone	105	8.642	8.642	0.000	1843	5.00	
69 Fluorene	166	8.627	8.627	0.000	566891	5.00	
68 4-Nitroaniline	138	8.642	8.642	0.000	131773	5.00	
70 4,6-Dinitro-2-methylphenol	198	8.680	8.680	0.000	39382	5.00	
74 Azobenzene	77	8.781	8.781	0.000	946235	5.00	
71 Diphenylamine	169	8.863	8.863	0.000	3021	5.00	
65 2,3,4,6-Tetrachlorophenol	232	8.863	8.863	0.000	272	5.00	
77 Atrazine	200	9.286	9.286	0.000	360	5.00	
72 N-Nitrosodiphenylamine	169	9.108	9.108	0.000	19845	5.00	
75 4-Bromophenyl phenyl ether	248	9.108	9.108	0.000	141354	5.00	
76 Hexachlorobenzene	284	9.176	9.176	0.000	142911	5.00	
78 Pentachlorophenol	266	9.368	9.368	0.000	43544	5.00	
79 Pentachloronitrobenzene	237	9.382	9.382	0.000	60851	5.00	
73 1,2-Diphenylhydrazine	77	9.402	9.402	0.000	567	5.00	
80 Phenanthrene	178	9.580	9.580	0.000	772700	5.00	
81 Anthracene	178	9.580	9.580	0.000	772700	5.00	
83 Carbazole	167	9.786	9.786	0.000	623818	5.00	
84 Di-n-butyl phthalate	149	10.128	10.128	0.000	953403	5.00	
85 Pyrene	202	10.758	10.758	0.000	717830	5.00	
86 Benzidine	184	10.849	10.849	0.000	105	5.00	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
87 Fluoranthene	202	10.921	10.921	0.000	97	5.00	5
88 4,4'-DDD	235	11.710	11.710	0.000	19506	0	
89 Butyl benzyl phthalate	149	11.614	11.614	0.000	383253	5.00	
92 Bis(2-ethylhexyl) phthalate	149	12.200	12.200	0.000	547274	5.00	
93 Benzo[a]anthracene	228	12.186	12.186	0.000	520946	5.00	
94 Chrysene	228	12.186	12.186	0.000	521720	5.00	
95 Di-n-octyl phthalate	149	12.753	12.753	0.000	517	5.00	
98 Benzo[k]fluoranthene	252	13.595	13.595	0.000	350668	5.00	
97 Benzo[b]fluoranthene	252	13.595	13.595	0.000	350668	5.00	
99 Benzo[a]pyrene	252	14.456	14.456	0.000	178	5.00	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 11-Sep-2009 08:57:30 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02883.D

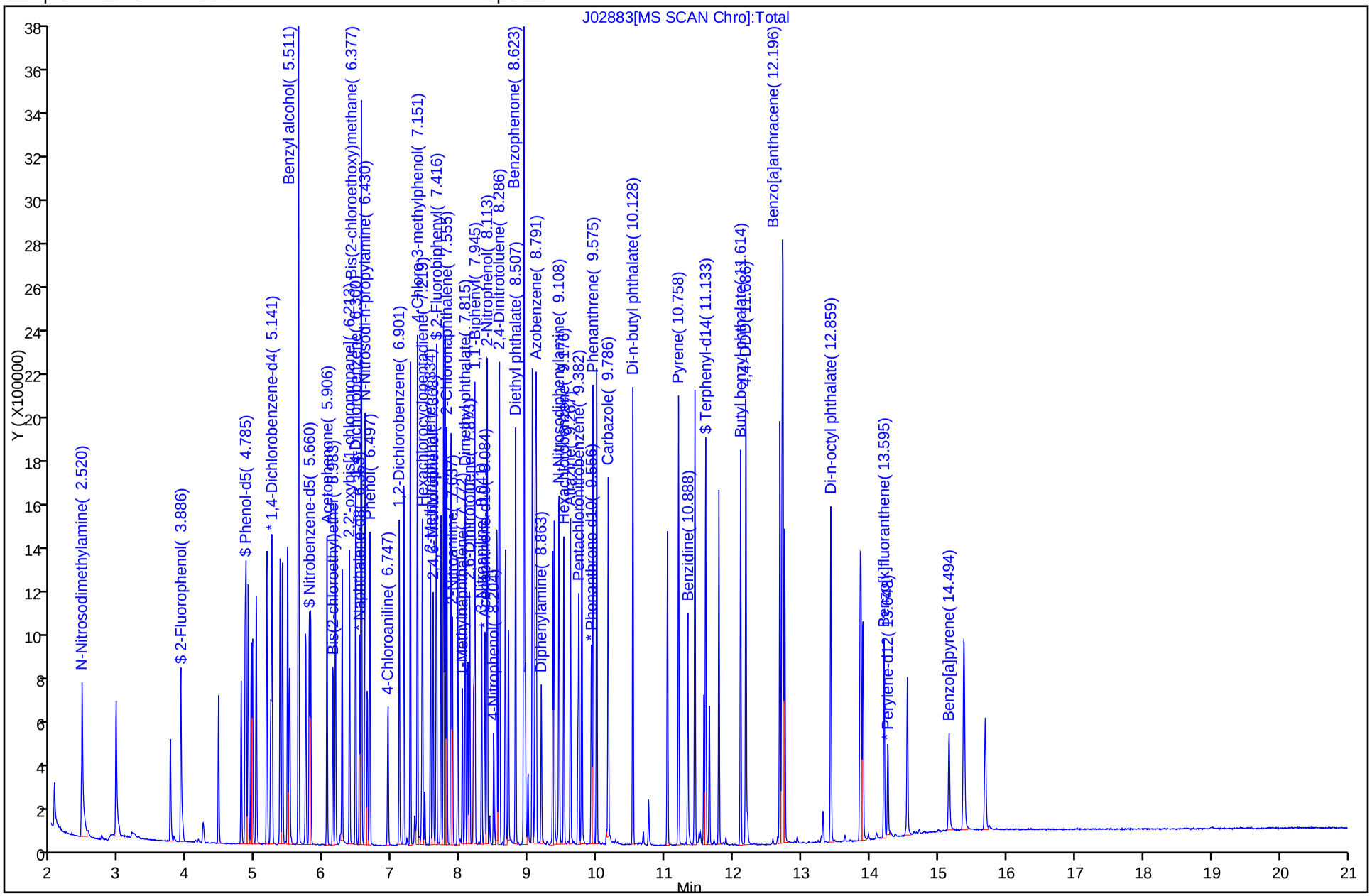
Inj Date: 10-Sep-2009 16:55:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48803 Lims Sample ID: 3

Client ID: Instrument: Inst. J

Sample Info: std5

Sample Amount: 1.00 uL Operator:



Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02883.D		
Inj Date:	10-Sep-2009 16:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	std5		
Sample Amount:	1.00 uL	Operator:	

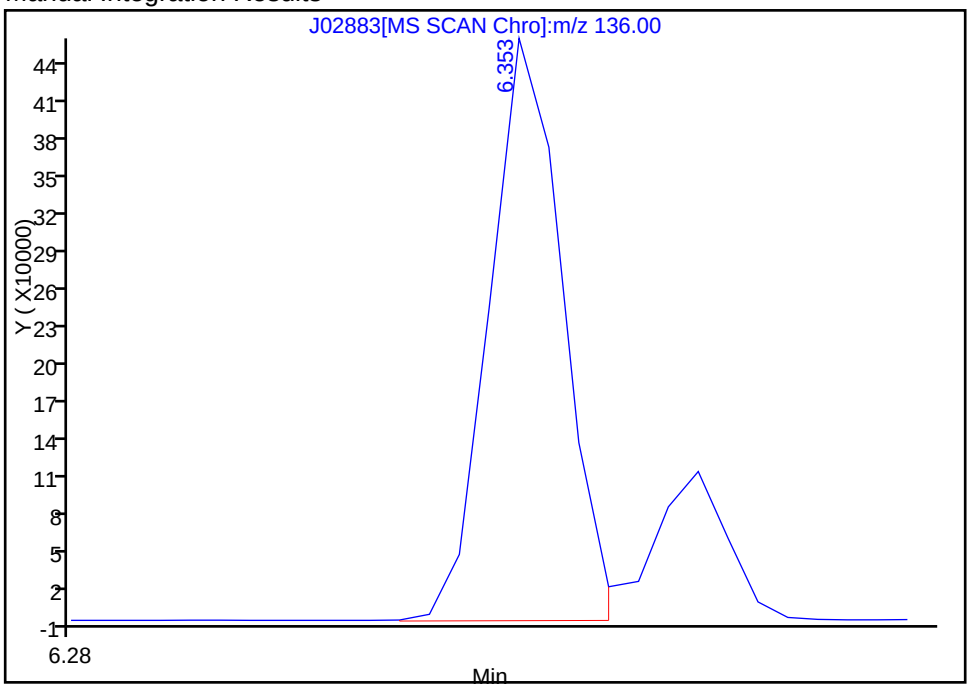
* 2 Naphthalene-d8, Number: 1, m/z: 136 Type: quant, RT: 6.35

Processing Integration Results

Not Detected
Expected RT: 6.35

Manual Integration Results

RT: 6.35
Response: 370018
Amount: 2.000000



Reviewer: rachtank, 11-Sep-2009 08:57:28
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02884.D		
Lims ID:	STD01	Client ID:	
Inject. Date:	10-Sep-2009 17:25:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	std01		
Misc. Info.:	360-0001128-004		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	48803	Lims Sample ID:	4
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\8270NDMA.m		
Last Update:	11-Sep-2009 08:57:59	Calib Date:	10-Sep-2009 17:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02884.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	11-Sep-2009 08:05:48
Reviewed By:	rachtank	Date:	11-Sep-2009 08:57:59

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.127	5.127	0.000	151951	2.00	
* 2 Naphthalene-d8	136	6.353	6.353	0.000	386871	2.00	M
* 3 Acenaphthene-d10	164	8.079	8.084	-0.005	188688	2.00	
* 4 Phenanthrene-d10	188	9.555	9.556	-0.001	306608	2.00	
* 5 Chrysene-d12	240	12.195	12.196	-0.001	146137	2.00	M
* 6 Perylene-d12	264	13.653	13.648	0.005	83411	2.00	M
$ 7 2-Fluorophenol	112	3.891	3.886	0.005	5135	0.1044	
$ 8 Phenol-d5	99	4.775	4.776	-0.001	6247	0.1054	
$ 9 Nitrobenzene-d5	82	5.660	5.660	0.000	5199	0.0912	M
$ 10 2-Fluorobiphenyl	172	7.416	7.416	0.000	12621	0.1028	
$ 11 2,4,6-Tribromophenol	330	8.863	8.863	0.000	506	0.1000	
$ 12 Terphenyl-d14	244	11.133	11.133	0.000	9003	0.1000	
15 N-Nitrosodimethylamine	42	2.530	2.516	0.014	2314	0.1087	
16 Pyridine	79	3.881	3.785	0.096	1036	0.1000	
24 Benzyl alcohol	79	5.506	5.507	-0.001	1827	0.1102	
26 2-Methylphenol	108	5.506	5.507	-0.001	4740	0.1027	
17 Benzaldehyde	94	5.612	5.656	-0.044	1033	0.1000	
30 Acetophenone	105	5.896	5.862	0.034	94	0.1000	
20 Bis(2-chloroethyl)ether	93	5.906	5.983	-0.077	146	0.1000	
27 2,2'-oxybis[1-chloropropane]	45	6.266	6.213	0.053	291	0.1000	
22 1,4-Dichlorobenzene	146	6.300	6.300	0.000	235	0.1104	
35 2,4-Dimethylphenol	107	6.377	6.300	0.077	334	0.1000	
23 1,3-Dichlorobenzene	146	6.300	6.300	0.000	235	0.1104	
36 Benzoic acid	105	6.353	6.358	-0.005	501	0.1000	
29 N-Nitrosodi-n-propylamine	70	6.382	6.415	-0.033	40	0.1858	
28 3 & 4 Methylphenol	108	6.463	6.439	0.024	379	0.1000	5
51 2,4,5-Trichlorophenol	196	7.367	7.368	-0.001	1938	0.1000	
50 2,4,6-Trichlorophenol	196	7.334	7.368	-0.034	2022	0.1000	
44 Caprolactam	55	7.502	7.435	0.067	474	0.1000	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
53 2-Chloronaphthalene	162	7.555	7.579	-0.024	10767	0.1000	
55 2-Nitroaniline	65	7.632	7.656	-0.024	2157	0.1000	
56 Dimethyl phthalate	163	7.810	7.815	-0.005	10743	0.0947	
57 2,6-Dinitrotoluene	165	7.872	7.877	-0.005	1658	0.1000	
58 Acenaphthylene	152	7.944	7.945	-0.001	13925	0.0923	
52 1,1'-Biphenyl	154	7.944	7.945	-0.001	86	0.1000	
59 3-Nitroaniline	138	8.041	8.041	0.000	1567	0.1000	
34 2-Nitrophenol	139	8.209	8.113	0.096	333	0.1623	
61 Acenaphthene	153	8.113	8.118	-0.005	10556	0.1013	
62 4-Nitrophenol	109	8.291	8.204	0.087	146	0.1000	
64 Dibenzofuran	168	8.286	8.286	0.000	14678	0.1011	
66 Diethyl phthalate	149	8.507	8.507	0.000	12426	0.1014	
67 4-Chlorophenyl phenyl ether	204	8.623	8.623	0.000	5505	0.1024	
69 Fluorene	166	8.623	8.627	-0.004	11257	0.0988	
68 4-Nitroaniline	138	8.637	8.642	-0.005	1328	0.1000	
74 Azobenzene	77	8.776	8.781	-0.005	15346	0.0898	
75 4-Bromophenyl phenyl ether	248	9.108	9.108	0.000	2863	0.1009	
76 Hexachlorobenzene	284	9.171	9.176	-0.005	3016	0.1030	
77 Atrazine	200	9.262	9.298	-0.036	2194	0.1000	
79 Pentachloronitrobenzene	237	9.382	9.382	0.000	728	0.1000	
80 Phenanthrene	178	9.575	9.580	-0.005	16242	0.1028	
81 Anthracene	178	9.575	9.580	-0.005	16242	0.1028	
83 Carbazole	167	9.786	9.786	0.000	10687	0.0925	
84 Di-n-butyl phthalate	149	10.128	10.128	0.000	20128	0.1030	
85 Pyrene	202	10.758	10.758	0.000	12328	0.1000	
87 Fluoranthene	202	10.984	10.921	0.063	13218	0.2000	
89 Butyl benzyl phthalate	149	11.614	11.614	0.000	6042	0.1074	
88 4,4'-DDD	235	11.412	11.710	-0.298	1207	0	
93 Benzo[a]anthracene	228	12.186	12.186	0.000	13478	0.1000	
94 Chrysene	228	12.186	12.186	0.000	13481	0.1000	
92 Bis(2-ethylhexyl) phthalate	149	12.200	12.200	0.000	12433	0.1000	
97 Benzo[b]fluoranthene	252	13.600	13.595	0.005	6404	0.1000	
98 Benzo[k]fluoranthene	252	13.600	13.595	0.005	6404	0.1000	
99 Benzo[a]pyrene	252	14.489	14.456	0.033	191	0.1980	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 11-Sep-2009 08:58:00 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02884.D

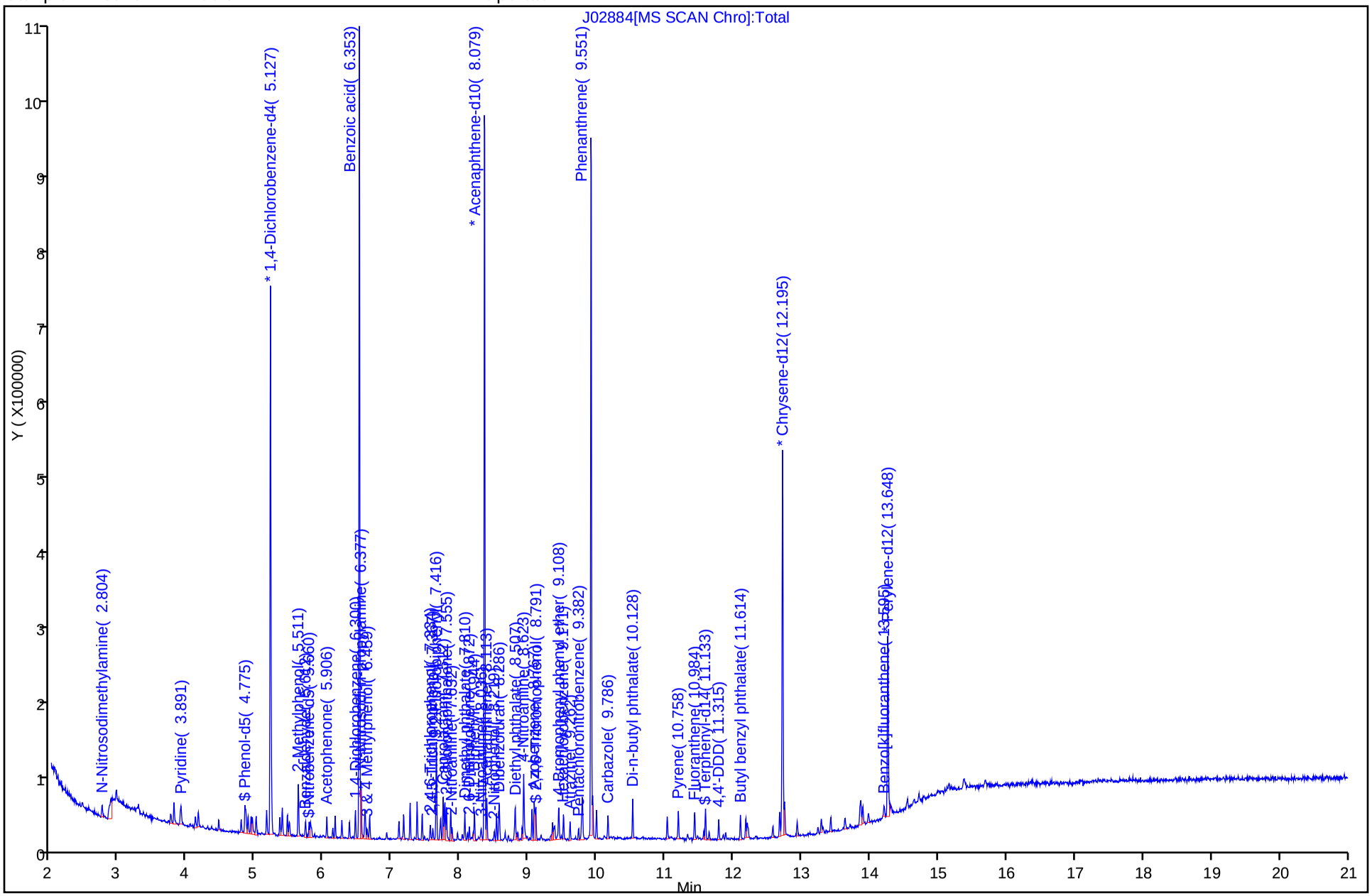
Inj Date: 10-Sep-2009 17:25:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48803 Lims Sample ID: 4

Client ID: Instrument: Inst. J

Sample Info: std01

Sample Amount: 1.00 uL Operator:



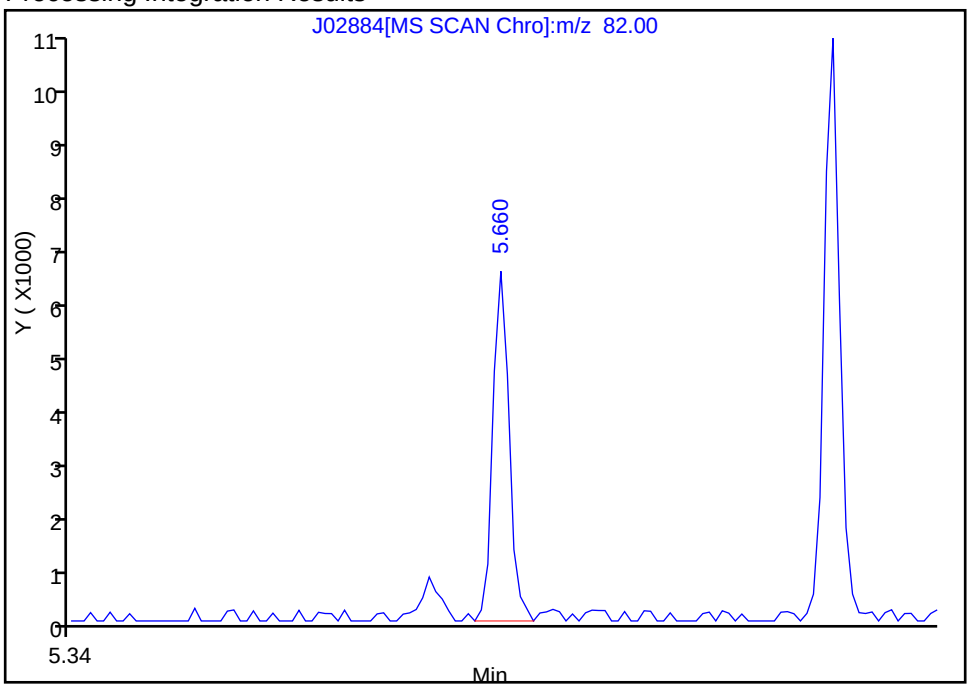
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02884.D		
Inj Date:	10-Sep-2009 17:25:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	std01		
Sample Amount:	1.00 uL	Operator:	

$ 9 Nitrobenzene-d5, Number: 1, m/z: 82 Type: quant, RT: 5.66

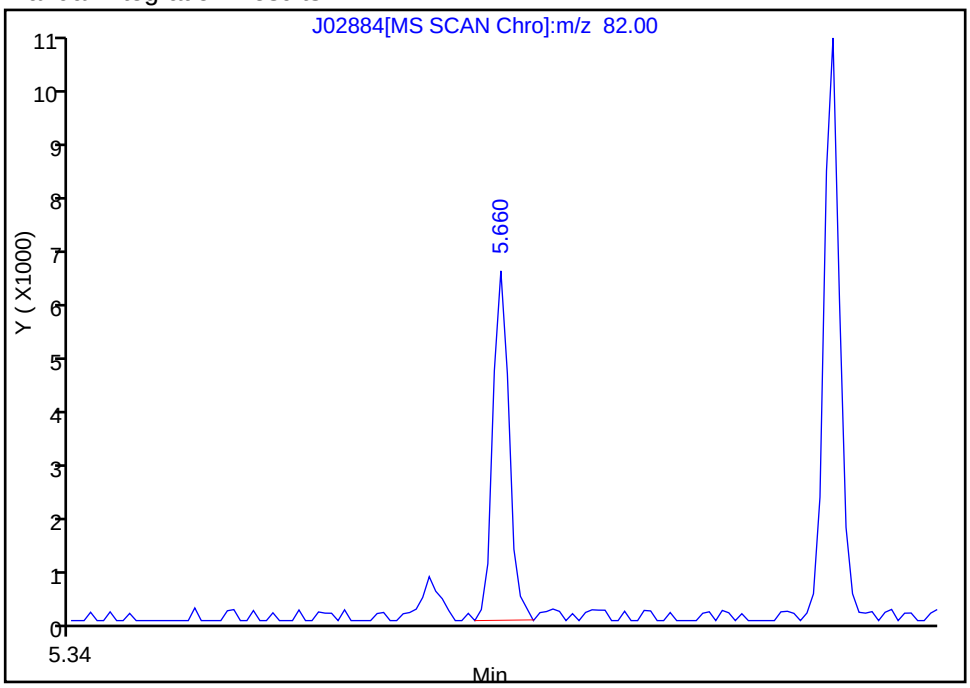
Processing Integration Results

RT: 5.66
Response: 5218
Amount: 0.007447



Manual Integration Results

RT: 5.66
Response: 5199
Amount: 0.091240



Reviewer: rachtank, 11-Sep-2009 08:05:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02884.D		
Inj Date:	10-Sep-2009 17:25:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	std01		
Sample Amount:	1.00 uL	Operator:	

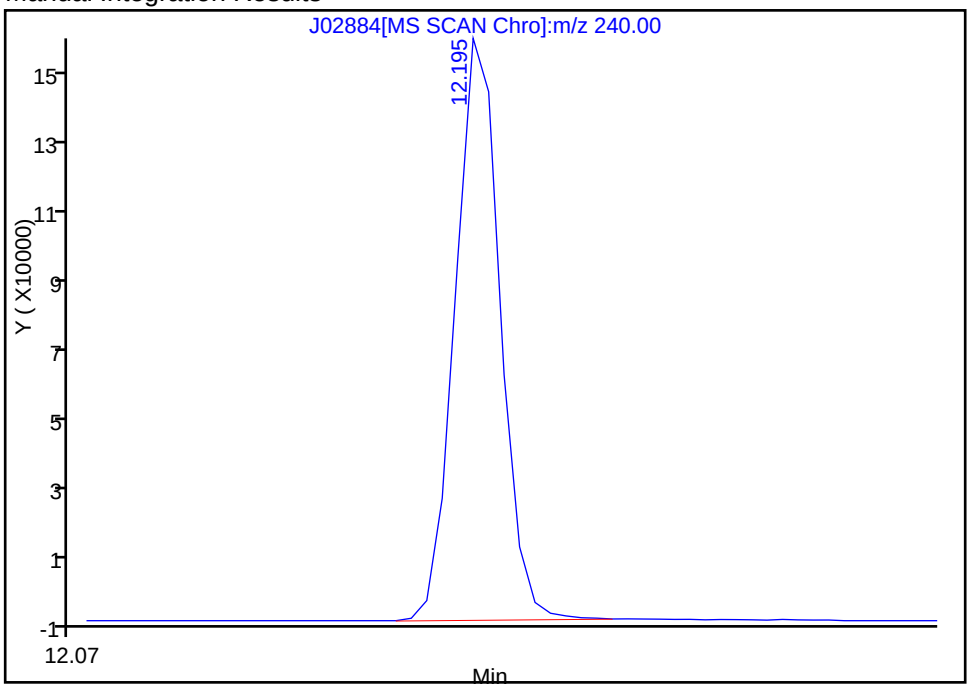
* 5 Chrysene-d12, Number: 1, m/z: 240 Type: quant, RT: 12.20

Processing Integration Results

Not Detected
Expected RT: 12.20

Manual Integration Results

RT: 12.20
Response: 146137
Amount: 2.000000



Reviewer: rachtank, 11-Sep-2009 08:05:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02884.D		
Inj Date:	10-Sep-2009 17:25:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	std01		
Sample Amount:	1.00 uL	Operator:	

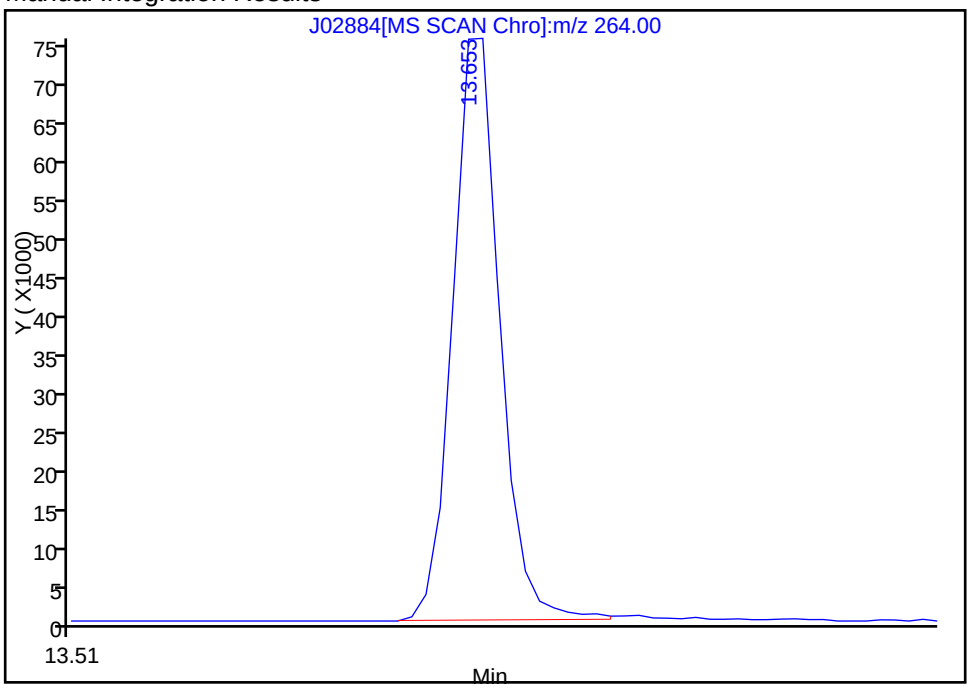
* 6 Perylene-d12, Number: 1, m/z: 264 Type: quant, RT: 13.65

Processing Integration Results

Not Detected
Expected RT: 13.65

Manual Integration Results

RT: 13.65
Response: 83411
Amount: 2.000000



Reviewer: rachtank, 11-Sep-2009 08:05:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

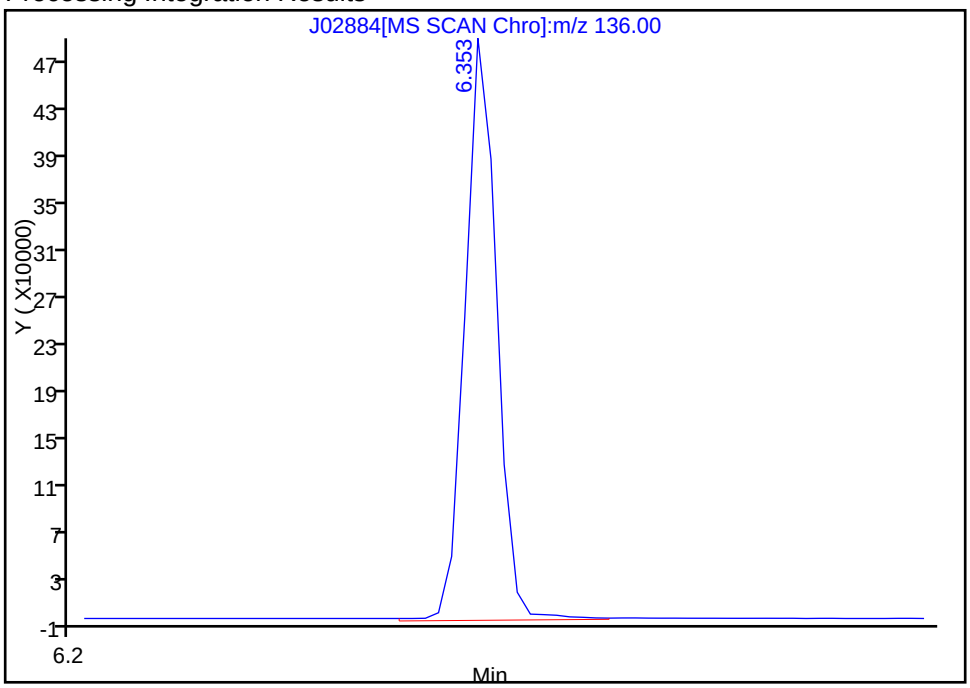
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02884.D		
Inj Date:	10-Sep-2009 17:25:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	std01		
Sample Amount:	1.00 uL	Operator:	

* 2 Naphthalene-d8, Number: 1, m/z: 136 Type: quant, RT: 6.35

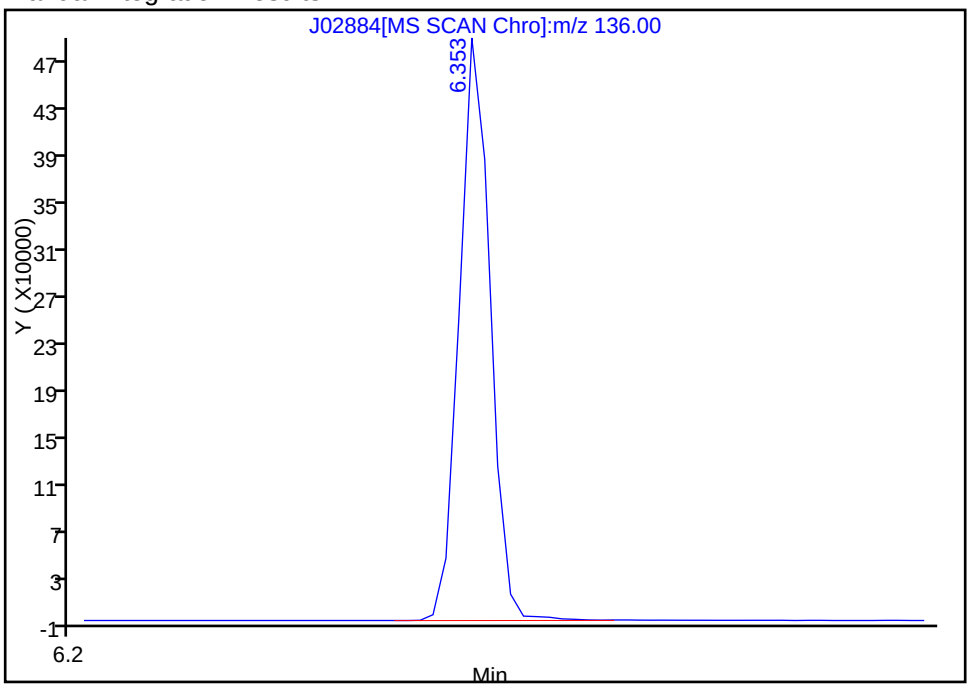
Processing Integration Results

RT: 6.35
Response: 393512
Amount: 2.000000



Manual Integration Results

RT: 6.35
Response: 386871
Amount: 2.000000



Reviewer: rachtank, 11-Sep-2009 08:05:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 11-Sep-2009 08:58:59 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02885.D		
Lims ID:	STD025	Client ID:	
Inject. Date:	10-Sep-2009 17:55:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	std025		
Misc. Info.:	360-0001128-005		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	48803	Lims Sample ID:	5
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\8270NDMA.m		
Last Update:	11-Sep-2009 08:58:58	Calib Date:	10-Sep-2009 17:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02885.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	11-Sep-2009 08:06:15
Reviewed By:	rachtank	Date:	11-Sep-2009 08:58:58

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.124	5.127	-0.003	141281	2.00	
* 2 Naphthalene-d8	136	6.355	6.355	0.000	341008	2.00	M
* 3 Acenaphthene-d10	164	8.081	8.084	-0.003	168679	2.00	
* 4 Phenanthrene-d10	188	9.553	9.556	-0.003	264880	2.00	
* 5 Chrysene-d12	240	12.198	12.198	0.000	135580	2.00	M
* 6 Perylene-d12	264	13.650	13.650	0.000	80727	2.00	M
$ 7 2-Fluorophenol	112	3.888	3.886	0.002	11802	0.2553	
$ 8 Phenol-d5	99	4.773	4.776	-0.003	14815	0.2623	
$ 9 Nitrobenzene-d5	82	5.658	5.660	-0.002	12585	0.2504	
$ 10 2-Fluorobiphenyl	172	7.413	7.416	-0.003	29596	0.2627	
$ 11 2,4,6-Tribromophenol	330	8.865	8.863	0.002	1194	0.1968	
$ 12 Terphenyl-d14	244	11.130	11.133	-0.003	17460	0.2546	
15 N-Nitrosodimethylamine	42	2.518	2.516	0.002	5082	0.2545	
16 Pyridine	79	3.888	3.785	0.103	1128	0.2500	
24 Benzyl alcohol	79	5.509	5.507	0.002	4109	0.2608	
26 2-Methylphenol	108	5.509	5.507	0.002	11809	0.2662	
17 Benzaldehyde	94	5.677	5.656	0.021	128	4.98	
30 Acetophenone	105	5.908	5.862	0.046	122	0.2500	
20 Bis(2-chloroethyl)ether	93	5.903	5.983	-0.080	333	0.2043	
27 2,2'-oxybis[1-chloropropane]	45	6.264	6.213	0.051	322	0.3719	
22 1,4-Dichlorobenzene	146	6.297	6.300	-0.003	530	0.2616	
35 2,4-Dimethylphenol	107	6.379	6.300	0.079	716	0.4049	
23 1,3-Dichlorobenzene	146	6.297	6.300	-0.003	530	0.2616	
36 Benzoic acid	105	6.360	6.358	0.002	440	0.1345	
29 N-Nitrosodi-n-propylamine	70	6.379	6.415	-0.036	148	0.4474	
28 3 & 4 Methylphenol	108	6.461	6.439	0.022	667	0.2500	5
18 Phenol	94	6.461	6.497	-0.036	332	0.2500	
45 4-Chloro-3-methylphenol	107	7.221	7.132	0.089	1079	0.4969	
51 2,4,5-Trichlorophenol	196	7.370	7.368	0.002	4238	0.2110	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
50 2,4,6-Trichlorophenol	196	7.331	7.368	-0.037	4178	0.2073	
44 Caprolactam	55	7.476	7.435	0.041	141	5.01	
53 2-Chloronaphthalene	162	7.557	7.579	-0.022	25757	0.2500	
55 2-Nitroaniline	65	7.634	7.656	-0.022	5024	0.2500	
56 Dimethyl phthalate	163	7.812	7.815	-0.003	27077	0.2611	
57 2,6-Dinitrotoluene	165	7.875	7.877	-0.002	4350	0.2241	
58 Acenaphthylene	152	7.942	7.945	-0.003	34237	0.2526	
52 1,1'-Biphenyl	154	7.942	7.945	-0.003	309	0.2696	
59 3-Nitroaniline	138	8.038	8.041	-0.003	4102	0.2195	
33 Isophorone	82	8.048	8.084	-0.036	37	0.2500	
34 2-Nitrophenol	139	8.206	8.113	0.093	993	0.2500	
61 Acenaphthene	153	8.115	8.118	-0.003	24945	0.2615	
62 4-Nitrophenol	109	8.206	8.204	0.002	757	0.1895	
63 2,4-Dinitrotoluene	165	8.274	8.276	-0.002	4176	0.2500	
64 Dibenzofuran	168	8.283	8.286	-0.003	34097	0.2584	
66 Diethyl phthalate	149	8.505	8.507	-0.002	26828	0.2465	
67 4-Chlorophenyl phenyl ether	204	8.620	8.623	-0.003	12994	0.2632	
69 Fluorene	166	8.625	8.627	-0.002	26968	0.2597	
68 4-Nitroaniline	138	8.639	8.642	-0.003	3439	0.2091	
13 Benzophenone	105	8.634	8.642	-0.008	295	0.2500	
74 Azobenzene	77	8.779	8.781	-0.002	35573	0.2439	
75 4-Bromophenyl phenyl ether	248	9.106	9.108	-0.002	6424	0.2579	
76 Hexachlorobenzene	284	9.173	9.176	-0.003	6565	0.2562	
77 Atrazine	200	9.264	9.298	-0.034	4881	0.2500	
79 Pentachloronitrobenzene	237	9.380	9.382	-0.002	1725	0.2169	
80 Phenanthrene	178	9.577	9.580	-0.003	36513	0.2613	
81 Anthracene	178	9.577	9.580	-0.003	36513	0.2613	
83 Carbazole	167	9.789	9.786	0.003	24805	0.2491	
84 Di-n-butyl phthalate	149	10.125	10.128	-0.003	37064	0.2288	
85 Pyrene	202	10.755	10.758	-0.003	25673	0.2504	
87 Fluoranthene	202	10.981	10.921	0.060	27764	0.3698	
89 Butyl benzyl phthalate	149	11.616	11.614	0.002	9338	0.1979	
88 4,4'-DDD	235	11.414	11.710	-0.296	368	0	
93 Benzo[a]anthracene	228	12.188	12.186	0.002	17178	0.1943	
94 Chrysene	228	12.188	12.186	0.002	17175	0.1941	
92 Bis(2-ethylhexyl) phthalate	149	12.198	12.200	-0.002	16761	0.1974	
97 Benzo[b]fluoranthene	252	13.597	13.595	0.002	10087	0.2204	
98 Benzo[k]fluoranthene	252	13.597	13.595	0.002	10087	0.2204	
99 Benzo[a]pyrene	252	14.492	14.456	0.036	231	0.2483	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 11-Sep-2009 08:58:59 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02885.D

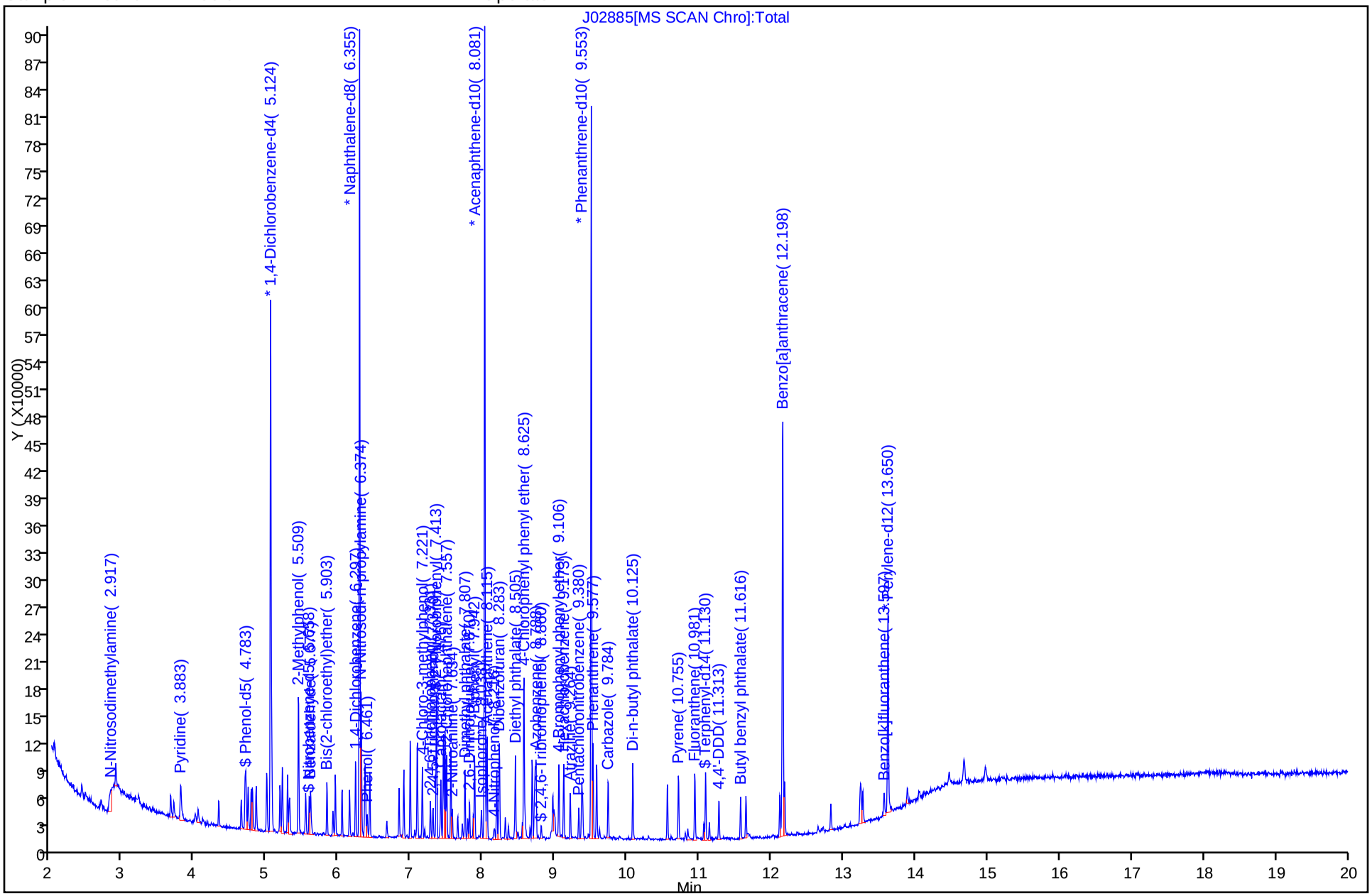
Inj Date: 10-Sep-2009 17:55:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48803 Lims Sample ID: 5

Client ID: Instrument: Inst. J

Sample Info: std025

Sample Amount: 1.00 uL Operator:



Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02885.D		
Inj Date:	10-Sep-2009 17:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	std025		
Sample Amount:	1.00 uL	Operator:	

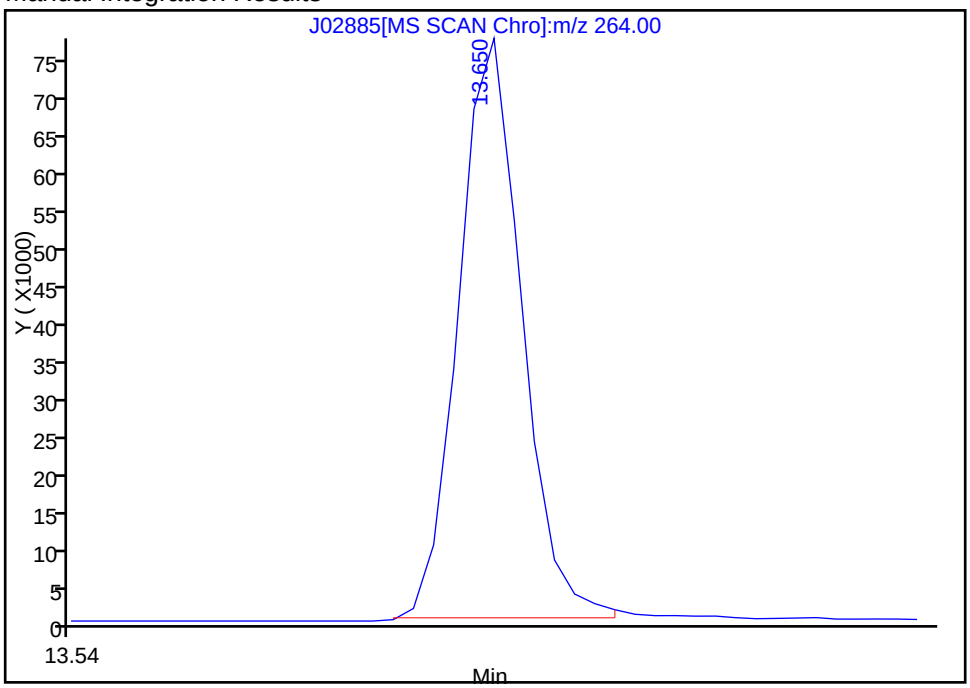
* 6 Perylene-d12, Number: 1, m/z: 264 Type: quant, RT: 13.65

Processing Integration Results

Not Detected
Expected RT: 13.65

Manual Integration Results

RT: 13.65
Response: 80727
Amount: 2.000000



Reviewer: rachtank, 11-Sep-2009 08:58:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02885.D		
Inj Date:	10-Sep-2009 17:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	std025		
Sample Amount:	1.00 uL	Operator:	

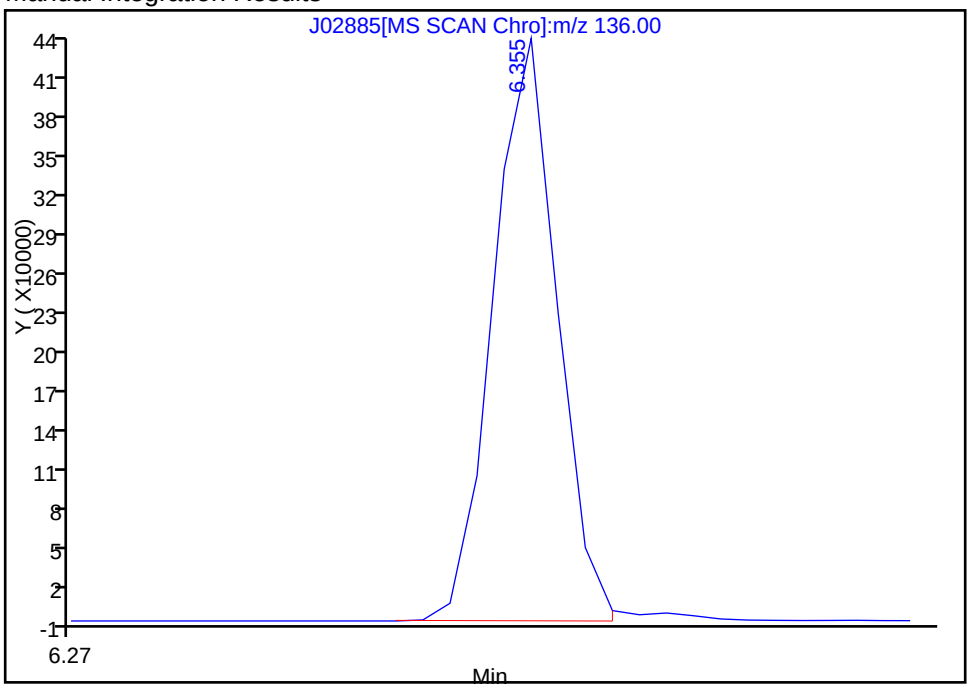
* 2 Naphthalene-d8, Number: 1, m/z: 136 Type: quant, RT: 6.36

Processing Integration Results

Not Detected
Expected RT: 6.36

Manual Integration Results

RT: 6.36
Response: 341008
Amount: 2.000000



Reviewer: rachtank, 11-Sep-2009 08:58:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02885.D		
Inj Date:	10-Sep-2009 17:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	std025		
Sample Amount:	1.00 uL	Operator:	

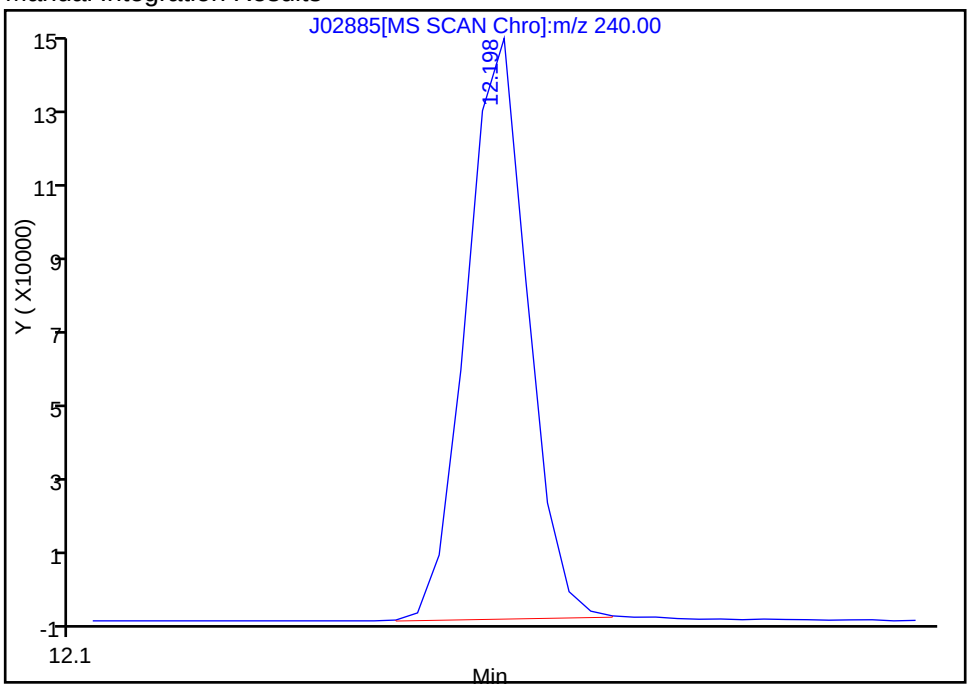
* 5 Chrysene-d12, Number: 1, m/z: 240 Type: quant, RT: 12.20

Processing Integration Results

Not Detected
Expected RT: 12.20

Manual Integration Results

RT: 12.20
Response: 135580
Amount: 2.000000



Reviewer: rachtank, 11-Sep-2009 08:58:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02886.D		
Lims ID:	STD050	Client ID:	
Inject. Date:	10-Sep-2009 18:25:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	std050		
Misc. Info.:	360-0001128-006		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	48803	Lims Sample ID:	6
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\8270NDMA.m		
Last Update:	11-Sep-2009 08:59:49	Calib Date:	10-Sep-2009 18:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02886.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	11-Sep-2009 08:59:49

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.127	5.127	0.000	144978	2.00	
* 2 Naphthalene-d8	136	6.353	6.353	0.000	356209	2.00	M
* 3 Acenaphthene-d10	164	8.084	8.084	0.000	178232	2.00	
* 4 Phenanthrene-d10	188	9.551	9.556	-0.005	284932	2.00	
* 5 Chrysene-d12	240	12.196	12.198	-0.002	159951	2.00	
* 6 Perylene-d12	264	13.648	13.648	0.000	95799	2.00	M
$ 7 2-Fluorophenol	112	3.886	3.886	0.000	25760	0.5316	
$ 8 Phenol-d5	99	4.771	4.776	-0.005	31735	0.5348	
$ 9 Nitrobenzene-d5	82	5.661	5.660	0.001	26409	0.5022	
$ 10 2-Fluorobiphenyl	172	7.416	7.416	0.000	61037	0.5095	
$ 11 2,4,6-Tribromophenol	330	8.863	8.863	0.000	3230	0.3956	
$ 12 Terphenyl-d14	244	11.133	11.133	0.000	42346	0.5062	
15 N-Nitrosodimethylamine	42	2.521	2.516	0.005	10573	0.5119	
24 Benzyl alcohol	79	5.507	5.507	0.000	8839	0.5342	
26 2-Methylphenol	108	5.507	5.507	0.000	24950	0.5352	
17 Benzaldehyde	94	5.680	5.656	0.024	247	0.0905	
30 Acetophenone	105	5.901	5.862	0.039	166	0.4919	
20 Bis(2-chloroethyl)ether	93	5.906	5.983	-0.077	564	0.3707	
27 2,2'-oxybis[1-chloropropane]	45	6.272	6.213	0.059	170	0.1469	
22 1,4-Dichlorobenzene	146	6.300	6.300	0.000	1213	0.5601	
35 2,4-Dimethylphenol	107	6.300	6.300	0.000	569	0.3086	
32 Nitrobenzene	77	6.377	6.300	0.077	6493	0.5000	
23 1,3-Dichlorobenzene	146	6.300	6.300	0.000	1213	0.5601	
36 Benzoic acid	105	6.353	6.358	-0.005	524	0.2753	
37 Bis(2-chloroethoxy)methane	93	6.382	6.382	0.000	11808	0.4832	
29 N-Nitrosodi-n-propylamine	70	6.377	6.415	-0.038	118	0.3763	
28 3 & 4 Methylphenol	108	6.440	6.439	0.001	144	0.0833	
18 Phenol	94	6.459	6.497	-0.038	796	0.4228	
45 4-Chloro-3-methylphenol	107	7.132	7.132	0.000	91	0.0579	
48 Hexachlorocyclopentadiene	237	7.209	7.209	0.000	587	0.2058	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
51 2,4,5-Trichlorophenol	196	7.368	7.368	0.000	11034	0.4559	
50 2,4,6-Trichlorophenol	196	7.334	7.368	-0.034	10827	0.4484	
44 Caprolactam	55	7.479	7.435	0.044	274	0.1983	
53 2-Chloronaphthalene	162	7.555	7.579	-0.024	50357	0.4968	
55 2-Nitroaniline	65	7.632	7.656	-0.024	10760	0.5024	
56 Dimethyl phthalate	163	7.810	7.815	-0.005	56947	0.5147	
57 2,6-Dinitrotoluene	165	7.873	7.877	-0.004	11482	0.4999	
58 Acenaphthylene	152	7.945	7.945	0.000	75105	0.5181	
52 1,1'-Biphenyl	154	7.945	7.945	0.000	675	0.5098	
59 3-Nitroaniline	138	8.036	8.041	-0.005	10446	0.4572	
33 Isophorone	82	8.080	8.084	-0.004	17256	0.5000	
34 2-Nitrophenol	139	8.113	8.113	0.000	435	0.1978	
61 Acenaphthene	153	8.113	8.118	-0.005	51695	0.5096	
62 4-Nitrophenol	109	8.205	8.204	0.001	1980	0.3785	
63 2,4-Dinitrotoluene	165	8.277	8.276	0.001	10645	0.4587	
64 Dibenzofuran	168	8.286	8.286	0.000	72433	0.5145	
66 Diethyl phthalate	149	8.508	8.507	0.001	56369	0.4926	
67 4-Chlorophenyl phenyl ether	204	8.623	8.623	0.000	27355	0.5181	
69 Fluorene	166	8.623	8.627	-0.004	56793	0.5130	
68 4-Nitroaniline	138	8.637	8.642	-0.005	9148	0.4358	
13 Benzophenone	105	8.637	8.642	-0.005	229	0.2243	
70 4,6-Dinitro-2-methylphenol	198	8.681	8.680	0.001	623	0.5000	
74 Azobenzene	77	8.777	8.781	-0.004	83812	0.5253	
60 2,4-Dinitrophenol	184	8.796	8.894	-0.098	462	0.5000	
75 4-Bromophenyl phenyl ether	248	9.104	9.108	-0.004	13765	0.5103	
76 Hexachlorobenzene	284	9.171	9.176	-0.005	14754	0.5260	
77 Atrazine	200	9.263	9.298	-0.035	12487	0.5100	
78 Pentachlorophenol	266	9.378	9.368	0.010	240	0.0563	
79 Pentachloronitrobenzene	237	9.383	9.382	0.001	4356	0.4467	
80 Phenanthrene	178	9.575	9.580	-0.005	78299	0.5156	
81 Anthracene	178	9.575	9.580	-0.005	78299	0.5156	
83 Carbazole	167	9.787	9.786	0.001	58264	0.5322	
84 Di-n-butyl phthalate	149	10.128	10.128	0.000	82008	0.4776	
85 Pyrene	202	10.758	10.758	0.000	61558	0.5067	
87 Fluoranthene	202	10.984	10.921	0.063	66296	0.5080	
89 Butyl benzyl phthalate	149	11.614	11.614	0.000	24097	0.4389	
88 4,4'-DDD	235	11.407	11.710	-0.303	135	0	
93 Benzo[a]anthracene	228	12.186	12.186	0.000	37060	0.4276	
94 Chrysene	228	12.186	12.186	0.000	37060	0.4273	
92 Bis(2-ethylhexyl) phthalate	149	12.201	12.200	0.001	38933	0.4457	
97 Benzo[b]fluoranthene	252	13.595	13.595	0.000	20522	0.4335	
98 Benzo[k]fluoranthene	252	13.595	13.595	0.000	20522	0.4335	
99 Benzo[a]pyrene	252	14.490	14.456	0.034	522	0.4793	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 11-Sep-2009 08:59:50 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02886.D

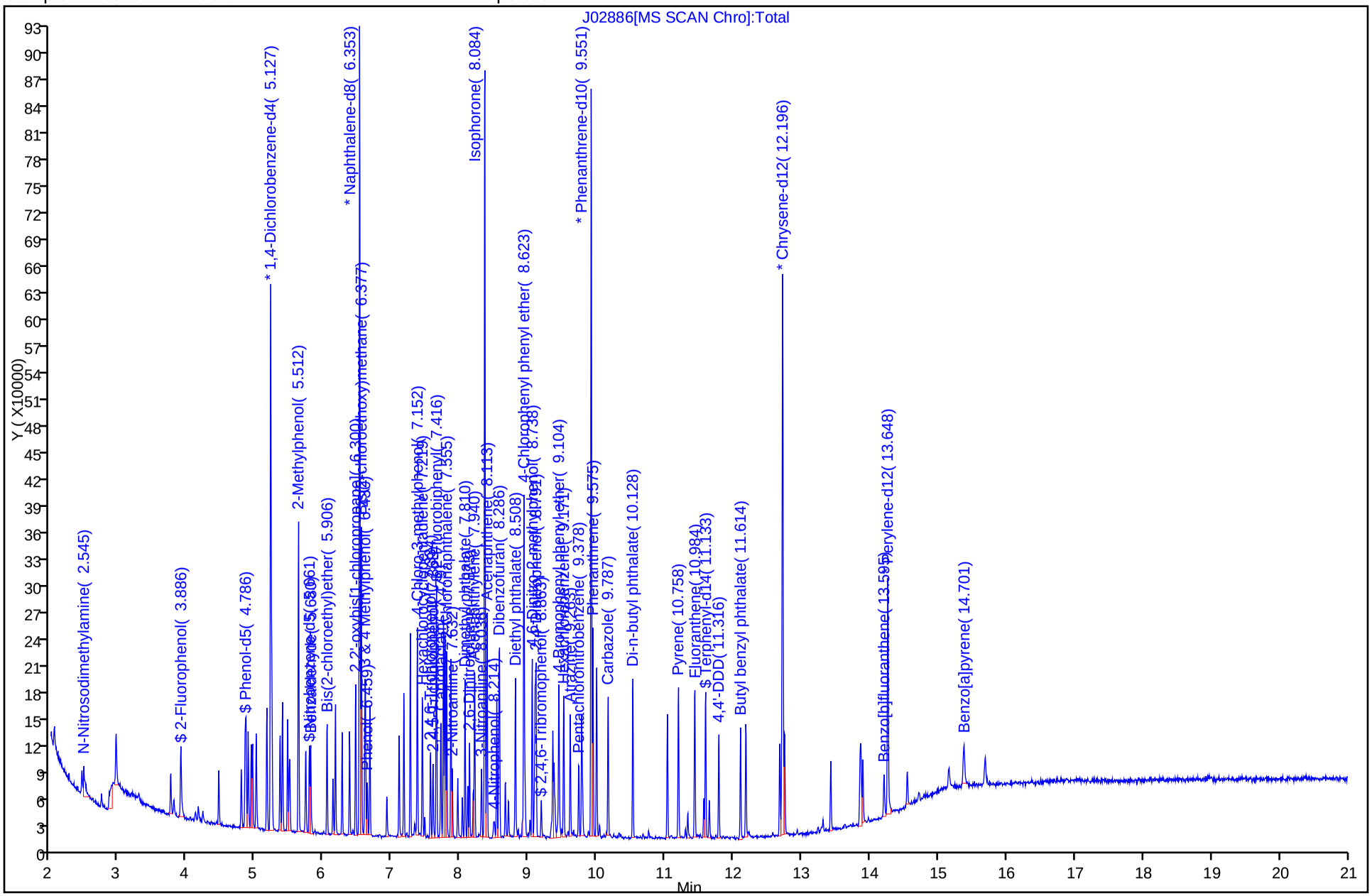
Inj Date: 10-Sep-2009 18:25:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48803 Lims Sample ID: 6

Client ID: Instrument: Inst. J

Sample Info: std050

Sample Amount: 1.00 uL Operator:



Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02886.D		
Inj Date:	10-Sep-2009 18:25:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	6
Client ID:		Instrument:	Inst. J
Sample Info:	std050		
Sample Amount:	1.00 uL	Operator:	

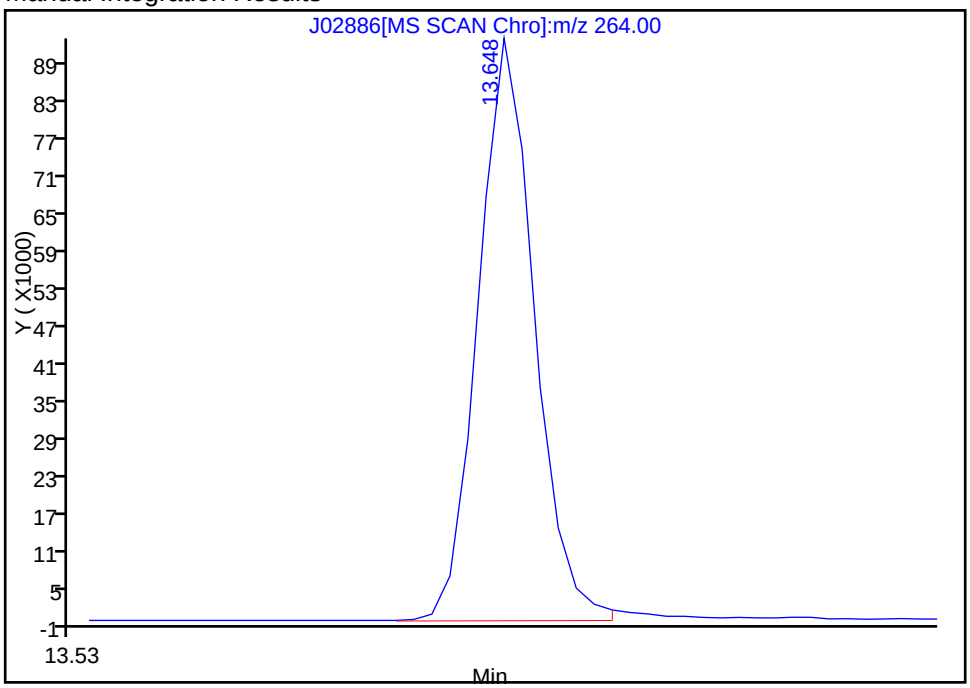
* 6 Perylene-d12, Number: 1, m/z: 264 Type: quant, RT: 13.65

Processing Integration Results

Not Detected
Expected RT: 13.65

Manual Integration Results

RT: 13.65
Response: 95799
Amount: 2.000000



Reviewer: rachtank, 11-Sep-2009 08:59:49
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02886.D		
Inj Date:	10-Sep-2009 18:25:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	6
Client ID:		Instrument:	Inst. J
Sample Info:	std050		
Sample Amount:	1.00 uL	Operator:	

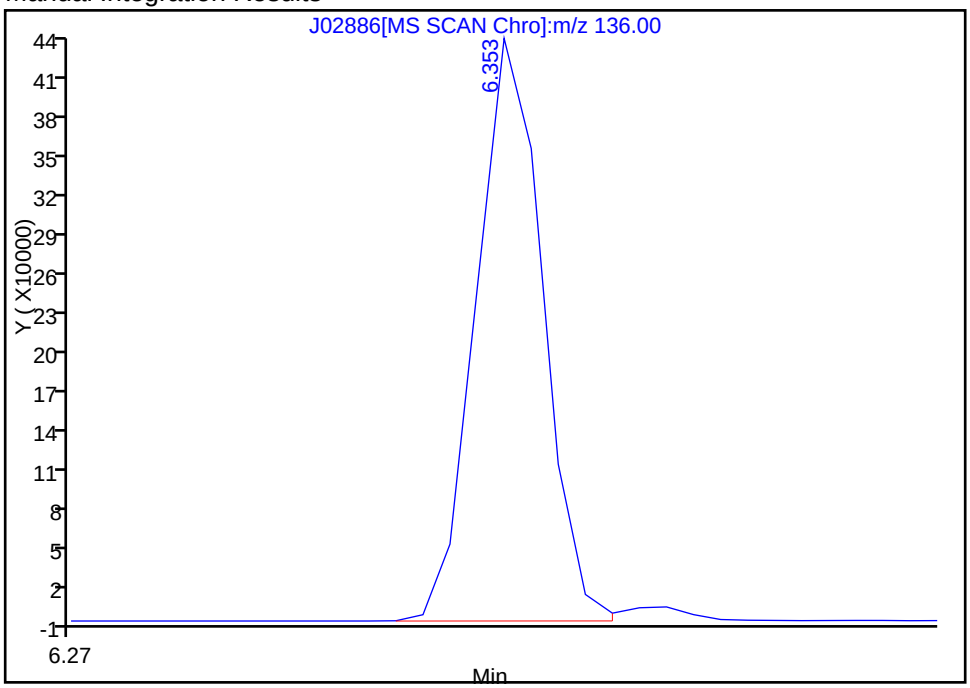
* 2 Naphthalene-d8, Number: 1, m/z: 136 Type: quant, RT: 6.35

Processing Integration Results

Not Detected
Expected RT: 6.35

Manual Integration Results

RT: 6.35
Response: 356209
Amount: 2.000000



Reviewer: rachtank, 11-Sep-2009 08:59:49
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 11-Sep-2009 09:00:54 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02887.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	10-Sep-2009 18:55:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	std1		
Misc. Info.:	360-0001128-007		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	48803	Lims Sample ID:	7
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\8270NDMA.m		
Last Update:	11-Sep-2009 09:00:54	Calib Date:	10-Sep-2009 18:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02887.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	11-Sep-2009 09:00:53

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.128	5.127	0.001	147161	2.00	
* 2 Naphthalene-d8	136	6.354	6.354	0.000	348223	2.00	M
* 3 Acenaphthene-d10	164	8.081	8.084	-0.003	175105	2.00	
* 4 Phenanthrene-d10	188	9.552	9.556	-0.004	277487	2.00	
* 5 Chrysene-d12	240	12.197	12.198	-0.001	167992	2.00	
* 6 Perylene-d12	264	13.649	13.649	0.000	96064	2.00	M
$ 7 2-Fluorophenol	112	3.887	3.886	0.001	50660	1.02	
$ 8 Phenol-d5	99	4.772	4.776	-0.004	61424	1.02	
$ 9 Nitrobenzene-d5	82	5.657	5.660	-0.003	53268	1.03	
$ 10 2-Fluorobiphenyl	172	7.412	7.416	-0.004	116763	0.99	
$ 11 2,4,6-Tribromophenol	330	8.864	8.863	0.001	7273	0.8546	
$ 12 Terphenyl-d14	244	11.134	11.133	0.001	81381	0.9401	
15 N-Nitrosodimethylamine	42	2.522	2.516	0.006	20088	0.9662	
16 Pyridine	79	3.796	3.785	0.011	1272	0.3648	
24 Benzyl alcohol	79	5.508	5.507	0.001	15767	0.9504	
26 2-Methylphenol	108	5.508	5.507	0.001	49988	1.04	
17 Benzaldehyde	94	5.681	5.656	0.025	478	0.2067	
30 Acetophenone	105	5.902	5.862	0.040	343	0.8066	
20 Bis(2-chloroethyl)ether	93	5.984	5.983	0.001	2466	1.12	
27 2,2'-oxybis[1-chloropropane]	45	6.215	6.213	0.002	215	0.2188	
22 1,4-Dichlorobenzene	146	6.297	6.300	-0.003	2126	0.9736	
35 2,4-Dimethylphenol	107	6.297	6.300	-0.003	1067	0.8737	
32 Nitrobenzene	77	6.378	6.300	0.078	12838	1.00	
23 1,3-Dichlorobenzene	146	6.297	6.300	-0.003	2126	0.9736	
36 Benzoic acid	105	6.354	6.358	-0.004	485	0.3059	
37 Bis(2-chloroethoxy)methane	93	6.378	6.382	-0.004	23230	0.9814	
29 N-Nitrosodi-n-propylamine	70	6.412	6.415	-0.003	149	0.5238	
28 3 & 4 Methylphenol	108	6.436	6.439	-0.003	349	0.2368	
18 Phenol	94	6.494	6.497	-0.003	4232	1.32	
40 Alpha-Terpineol	59	6.494	6.550	-0.056	1065	1.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
45 4-Chloro-3-methylphenol	107	7.143	7.132	0.011	160	0.1341	
48 Hexachlorocyclopentadiene	237	7.210	7.209	0.001	1737	0.7097	
46 2-Methylnaphthalene	142	7.244	7.329	-0.085	49	0.9097	
51 2,4,5-Trichlorophenol	196	7.369	7.368	0.001	23345	0.9308	
50 2,4,6-Trichlorophenol	196	7.369	7.368	0.001	23345	0.9315	
44 Caprolactam	55	7.446	7.435	0.011	108	0.0980	
53 2-Chloronaphthalene	162	7.581	7.579	0.001	509	0.008306	7
55 2-Nitroaniline	65	7.633	7.656	-0.023	20873	1.02	
56 Dimethyl phthalate	163	7.811	7.815	-0.004	111319	1.02	
57 2,6-Dinitrotoluene	165	7.874	7.877	-0.003	23202	0.9890	
54 Phenyl ether	170	7.927	7.925	0.002	96	1.00	
58 Acenaphthylene	152	7.941	7.945	-0.004	147037	1.03	
52 1,1'-Biphenyl	154	7.941	7.945	-0.004	1544	1.09	
59 3-Nitroaniline	138	8.037	8.041	-0.004	21611	0.9097	
33 Isophorone	82	8.081	8.084	-0.003	17238	1.26	
34 2-Nitrophenol	139	8.114	8.113	0.001	788	0.4197	
61 Acenaphthene	153	8.114	8.118	-0.004	99242	1.00	
62 4-Nitrophenol	109	8.206	8.204	0.002	4532	0.7137	
63 2,4-Dinitrotoluene	165	8.273	8.276	-0.003	25288	0.9591	
64 Dibenzofuran	168	8.287	8.286	0.001	140186	1.01	
66 Diethyl phthalate	149	8.504	8.507	-0.003	108938	0.9750	
67 4-Chlorophenyl phenyl ether	204	8.624	8.623	0.001	50843	0.9841	
69 Fluorene	166	8.624	8.627	-0.003	107673	0.99	
68 4-Nitroaniline	138	8.638	8.642	-0.004	19248	0.8686	
13 Benzophenone	105	8.638	8.642	-0.004	509	0.8070	
70 4,6-Dinitro-2-methylphenol	198	8.682	8.680	0.002	2082	0.8333	
74 Azobenzene	77	8.778	8.781	-0.003	166267	1.06	
71 Diphenylamine	169	8.788	8.863	-0.075	253	1.00	
75 4-Bromophenyl phenyl ether	248	9.105	9.108	-0.003	27449	1.04	
76 Hexachlorobenzene	284	9.172	9.176	-0.004	26799	0.9848	
77 Atrazine	200	9.264	9.298	-0.034	25424	1.03	
78 Pentachlorophenol	266	9.369	9.368	0.001	602	0.2027	
79 Pentachloronitrobenzene	237	9.379	9.382	-0.003	9262	0.9183	
80 Phenanthrene	178	9.576	9.580	-0.004	147923	1.00	
81 Anthracene	178	9.576	9.580	-0.004	147923	1.00	
83 Carbazole	167	9.783	9.786	-0.003	114757	1.06	
84 Di-n-butyl phthalate	149	10.129	10.128	0.001	160890	0.9695	
85 Pyrene	202	10.759	10.758	0.001	122984	0.9708	
86 Benzidine	184	10.889	10.849	0.040	31495	1.00	
87 Fluoranthene	202	10.865	10.921	-0.056	123	0.001684	7
89 Butyl benzyl phthalate	149	11.615	11.614	0.001	52003	0.9058	
88 4,4'-DDD	235	11.711	11.710	0.001	201	0	
93 Benzo[a]anthracene	228	12.187	12.186	0.001	74216	0.8917	
94 Chrysene	228	12.187	12.186	0.001	74216	0.8908	
92 Bis(2-ethylhexyl) phthalate	149	12.202	12.200	0.002	81516	0.9416	
97 Benzo[b]fluoranthene	252	13.596	13.595	0.001	39023	0.8889	
98 Benzo[k]fluoranthene	252	13.596	13.595	0.001	39023	0.8889	
99 Benzo[a]pyrene	252	14.447	14.456	-0.009	84	0.0943	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 11-Sep-2009 09:00:54 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02887.D

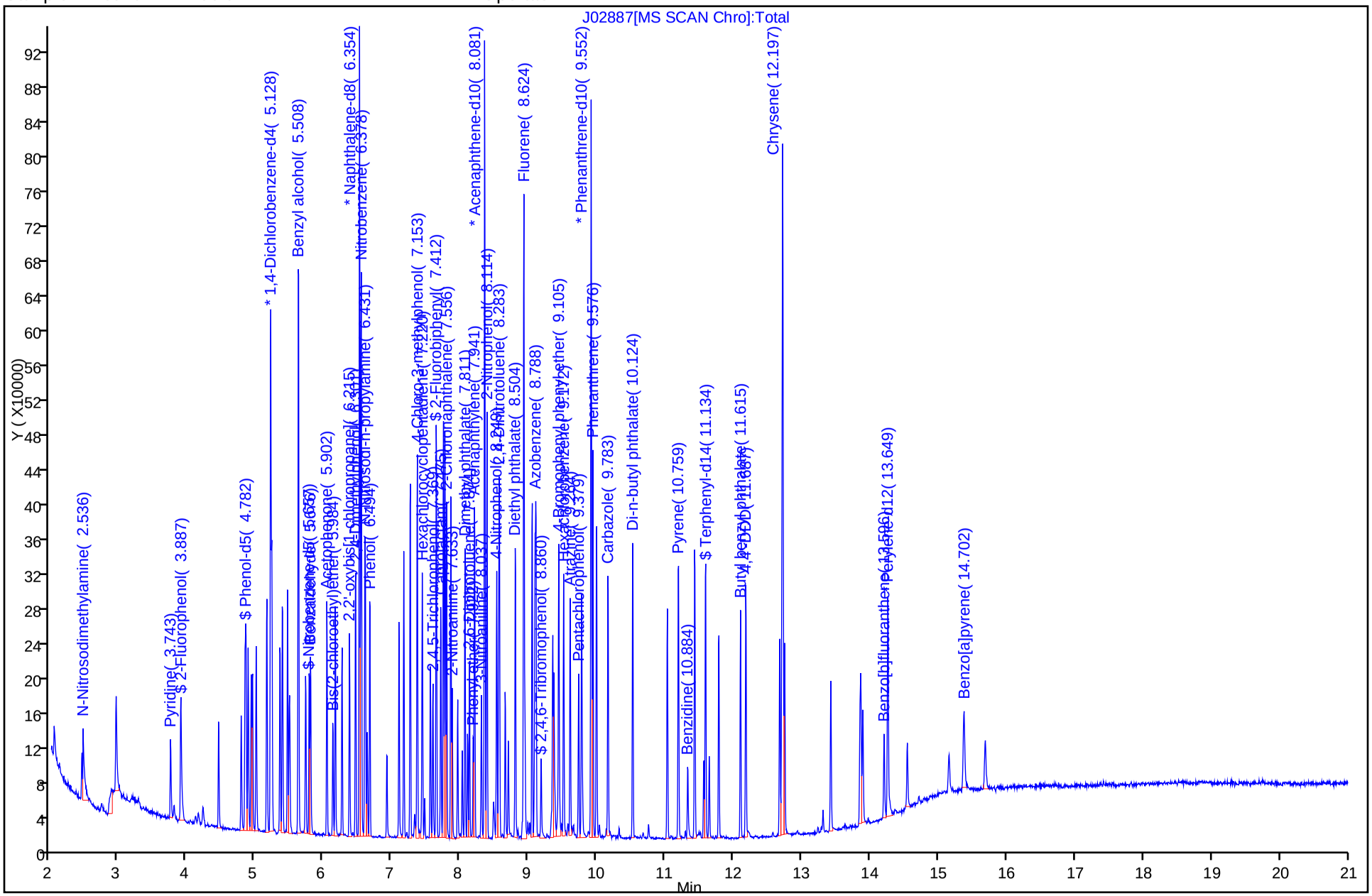
Inj Date: 10-Sep-2009 18:55:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48803 Lims Sample ID: 7

Client ID: Instrument: Inst. J

Sample Info: std1

Sample Amount: 1.00 uL Operator:



Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02887.D		
Inj Date:	10-Sep-2009 18:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	7
Client ID:		Instrument:	Inst. J
Sample Info:	std1		
Sample Amount:	1.00 uL	Operator:	

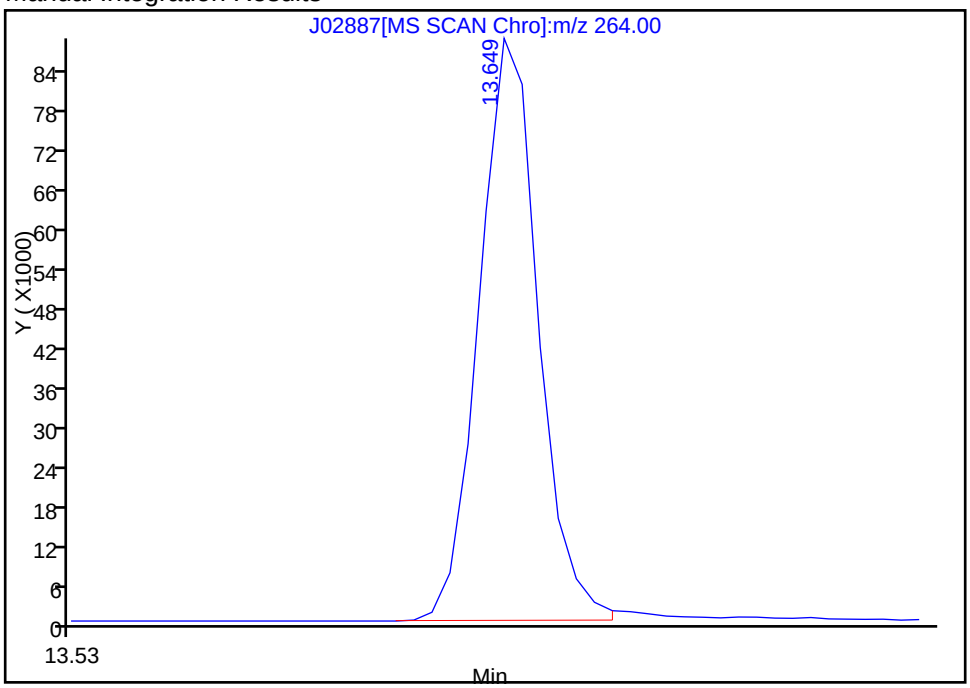
* 6 Perylene-d12, Number: 1, m/z: 264 Type: quant, RT: 13.65

Processing Integration Results

Not Detected
Expected RT: 13.65

Manual Integration Results

RT: 13.65
Response: 96064
Amount: 2.000000



Reviewer: rachtank, 11-Sep-2009 09:00:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02887.D		
Inj Date:	10-Sep-2009 18:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	7
Client ID:		Instrument:	Inst. J
Sample Info:	std1		
Sample Amount:	1.00 uL	Operator:	

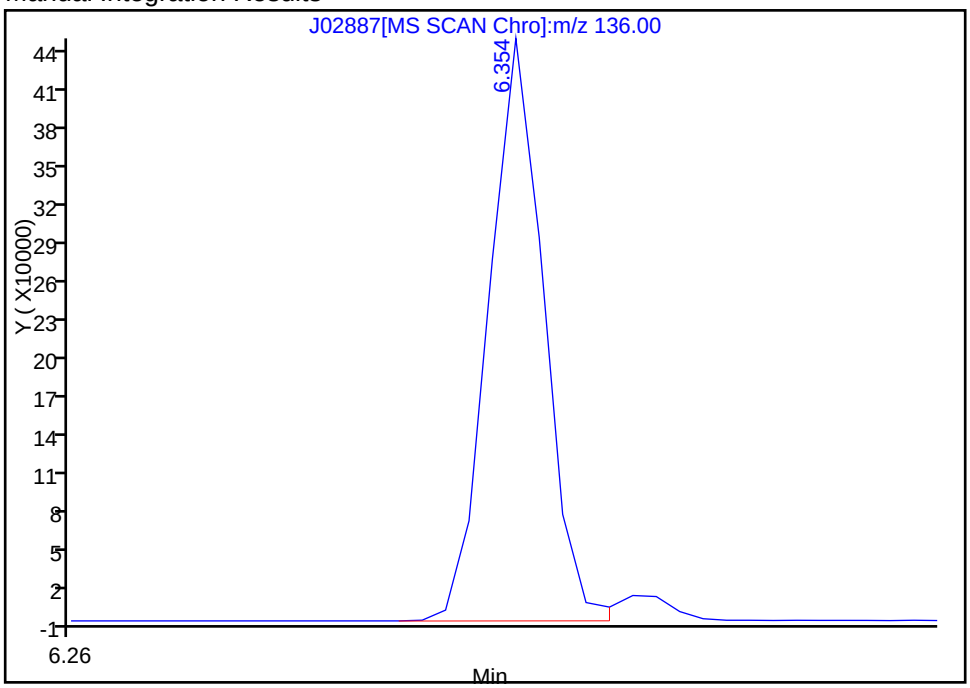
* 2 Naphthalene-d8, Number: 1, m/z: 136 Type: quant, RT: 6.35

Processing Integration Results

Not Detected
Expected RT: 6.35

Manual Integration Results

RT: 6.35
Response: 348223
Amount: 2.000000



Reviewer: rachtank, 11-Sep-2009 09:00:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 11-Sep-2009 09:01:32 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02888.D		
Lims ID:	STD25	Client ID:	
Inject. Date:	10-Sep-2009 19:25:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	std25		
Misc. Info.:	360-0001128-008		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	48803	Lims Sample ID:	8
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\8270NDMA.m		
Last Update:	11-Sep-2009 09:01:29	Calib Date:	10-Sep-2009 19:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02888.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	11-Sep-2009 09:01:29

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.127	5.127	0.000	218980	2.00	
* 2 Naphthalene-d8	136	6.354	6.354	0.000	498602	2.00	
* 3 Acenaphthene-d10	164	8.085	8.084	0.001	249539	2.00	
* 4 Phenanthrene-d10	188	9.552	9.556	-0.004	416961	2.00	
* 5 Chrysene-d12	240	12.196	12.196	0.000	328064	2.00	
* 6 Perylene-d12	264	13.649	13.649	0.000	258224	2.00	
$ 7 2-Fluorophenol	112	3.892	3.886	0.006	176556	2.41	
$ 8 Phenol-d5	99	4.776	4.776	0.000	212411	2.38	
$ 9 Nitrobenzene-d5	82	5.661	5.660	0.001	190600	2.56	
$ 10 2-Fluorobiphenyl	172	7.416	7.416	0.000	391600	2.36	
$ 11 2,4,6-Tribromophenol	330	8.864	8.863	0.001	37538	2.52	
$ 12 Terphenyl-d14	244	11.134	11.133	0.001	315608	2.24	
15 N-Nitrosodimethylamine	42	2.526	2.516	0.010	74725	2.43	
16 Pyridine	79	3.800	3.800	0.000	1036	0.1710	
24 Benzyl alcohol	79	5.507	5.507	0.000	55884	2.30	
26 2-Methylphenol	108	5.507	5.507	0.000	172638	2.44	
17 Benzaldehyde	94	5.676	5.656	0.020	1999	0.6662	
30 Acetophenone	105	5.849	5.862	-0.013	131	0.2444	
20 Bis(2-chloroethyl)ether	93	5.983	5.983	0.000	9875	2.77	
21 2-Chlorophenol	128	6.214	6.213	0.001	5917	2.50	
27 2,2'-oxybis[1-chloropropane]	45	6.214	6.213	0.001	623	0.4943	
31 Hexachloroethane	117	6.234	6.233	0.001	177	2.50	
22 1,4-Dichlorobenzene	146	6.301	6.300	0.001	7413	2.32	
35 2,4-Dimethylphenol	107	6.301	6.300	0.001	3457	2.32	
32 Nitrobenzene	77	6.296	6.300	-0.004	526	0.0569	
23 1,3-Dichlorobenzene	146	6.301	6.300	0.001	7413	2.32	
36 Benzoic acid	105	6.383	6.358	0.025	6123	2.66	
37 Bis(2-chloroethoxy)methane	93	6.383	6.382	0.001	83677	2.48	
29 N-Nitrosodi-n-propylamine	70	6.426	6.415	0.011	53	0.1488	
28 3 & 4 Methylphenol	108	6.440	6.439	0.001	988	0.5218	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
18 Phenol	94	6.426	6.497	-0.071	221	0.0701	
39 1,2,4-Trichlorobenzene	180	6.517	6.521	-0.004	263	2.36	
40 Alpha-Terpineol	59	6.512	6.550	-0.038	82	5.03	
19 Aniline	93	6.527	6.603	-0.076	128	2.50	
25 1,2-Dichlorobenzene	146	6.902	6.901	0.001	202	2.48	
45 4-Chloro-3-methylphenol	107	7.147	7.132	0.015	64	0.0466	
48 Hexachlorocyclopentadiene	237	7.210	7.209	0.001	18793	4.18	
46 2-Methylnaphthalene	142	7.359	7.329	0.030	125	2.50	5
51 2,4,5-Trichlorophenol	196	7.368	7.368	0.000	93163	2.50	
50 2,4,6-Trichlorophenol	196	7.368	7.368	0.000	93163	2.51	
44 Caprolactam	55	7.421	7.435	-0.014	926	0.6725	
53 2-Chloronaphthalene	162	7.580	7.579	0.001	608	0.008350	7
55 2-Nitroaniline	65	7.633	7.656	-0.023	95764	3.67	
47 1-Methylnaphthalene	142	7.748	7.747	0.001	38	2.50	
56 Dimethyl phthalate	163	7.811	7.815	-0.004	385062	2.48	
57 2,6-Dinitrotoluene	165	7.873	7.877	-0.004	88684	2.56	
54 Phenyl ether	170	7.926	7.925	0.001	390	2.28	
58 Acenaphthylene	152	7.945	7.945	0.000	521771	2.55	
52 1,1'-Biphenyl	154	7.945	7.945	0.000	4268	2.29	
59 3-Nitroaniline	138	8.037	8.041	-0.004	88260	2.64	
33 Isophorone	82	8.080	8.084	-0.004	23954	1.36	
34 2-Nitrophenol	139	8.114	8.113	0.001	2477	1.03	
61 Acenaphthene	153	8.114	8.118	-0.004	346250	2.45	
62 4-Nitrophenol	109	8.205	8.204	0.001	33396	2.56	
63 2,4-Dinitrotoluene	165	8.277	8.276	0.001	109689	2.62	
64 Dibenzofuran	168	8.287	8.286	0.001	480188	2.44	
66 Diethyl phthalate	149	8.508	8.507	0.001	383264	2.42	
67 4-Chlorophenyl phenyl ether	204	8.623	8.623	0.000	175629	2.40	
69 Fluorene	166	8.623	8.627	-0.004	376626	2.45	
68 4-Nitroaniline	138	8.643	8.642	0.001	86157	2.54	
13 Benzophenone	105	8.643	8.642	0.001	1057	1.25	
70 4,6-Dinitro-2-methylphenol	198	8.681	8.680	0.001	29318	4.29	
74 Azobenzene	77	8.777	8.781	-0.004	618849	2.59	
65 2,3,4,6-Tetrachlorophenol	232	8.768	8.863	-0.095	123	2.50	
71 Diphenylamine	169	8.859	8.863	-0.004	2526	2.50	
72 N-Nitrosodiphenylamine	169	9.104	9.108	-0.004	13664	2.52	
75 4-Bromophenyl phenyl ether	248	9.104	9.108	-0.004	95673	2.42	
76 Hexachlorobenzene	284	9.176	9.176	0.000	97682	2.41	
77 Atrazine	200	9.287	9.286	0.001	193	0.008547	7
78 Pentachlorophenol	266	9.369	9.368	0.001	22573	4.03	
79 Pentachloronitrobenzene	237	9.383	9.382	0.001	39388	2.49	
73 1,2-Diphenylhydrazine	77	9.388	9.402	-0.014	208	2.50	
80 Phenanthrene	178	9.576	9.580	-0.004	523027	2.38	
81 Anthracene	178	9.576	9.580	-0.004	523027	2.38	
83 Carbazole	167	9.787	9.786	0.001	447298	2.71	
84 Di-n-butyl phthalate	149	10.129	10.128	0.001	620937	2.49	
85 Pyrene	202	10.759	10.758	0.001	496208	2.07	
86 Benzidine	184	10.845	10.849	-0.004	45	5.00	
87 Fluoranthene	202	10.879	10.921	-0.042	87	0.000951	7
89 Butyl benzyl phthalate	149	11.615	11.614	0.001	248810	2.32	
88 4,4'-DDD	235	11.711	11.710	0.001	483	0	
93 Benzo[a]anthracene	228	12.187	12.186	0.001	376126	2.44	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
94 Chrysene	228	12.187	12.186	0.001	373943	2.43	
92 Bis(2-ethylhexyl) phthalate	149	12.201	12.200	0.001	361115	2.27	
95 Di-n-octyl phthalate	149	12.749	12.753	-0.004	175	2.50	
97 Benzo[b]fluoranthene	252	13.596	13.595	0.001	282474	2.49	
98 Benzo[k]fluoranthene	252	13.596	13.595	0.001	282474	2.49	
99 Benzo[a]pyrene	252	14.447	14.456	-0.009	186	0.0927	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount
7 - Failed Limit of Detection

Report Date: 11-Sep-2009 09:01:32 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02888.D

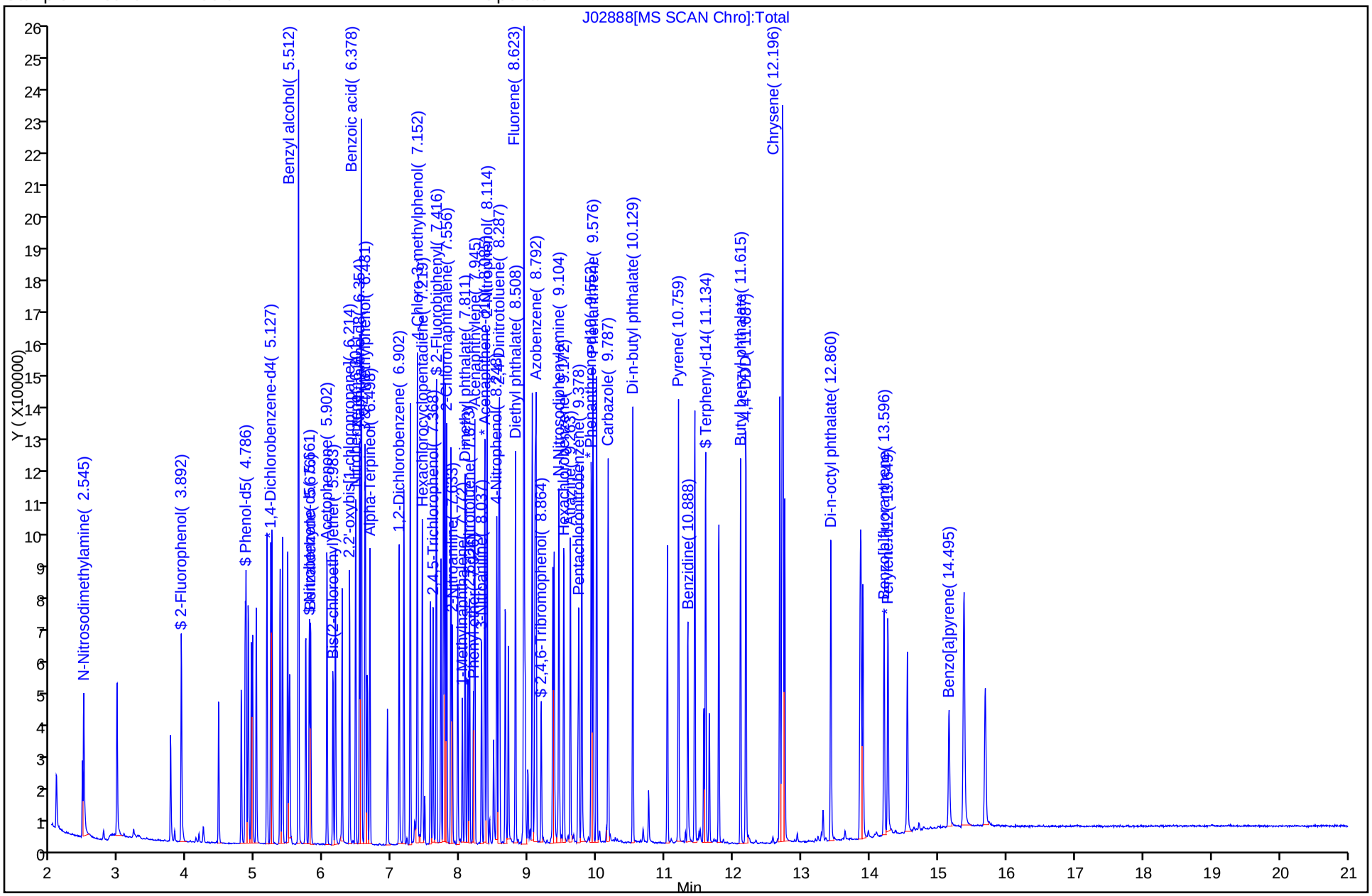
Inj Date: 10-Sep-2009 19:25:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48803 Lims Sample ID: 8

Client ID: Instrument: Inst. J

Sample Info: std25

Sample Amount: 1.00 uL Operator:



Report Date: 11-Sep-2009 09:02:17 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02889.D		
Lims ID:	STD8	Client ID:	
Inject. Date:	10-Sep-2009 19:55:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	std8		
Misc. Info.:	360-0001128-009		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	48803	Lims Sample ID:	9
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\8270NDMA.m		
Last Update:	11-Sep-2009 09:02:16	Calib Date:	10-Sep-2009 19:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02889.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By: rachtank Date: 11-Sep-2009 09:02:16

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.128	5.127	0.001	233406	2.00	
* 2 Naphthalene-d8	136	6.354	6.354	0.000	439608	2.00	
* 3 Acenaphthene-d10	164	8.085	8.084	0.001	221787	2.00	
* 4 Phenanthrene-d10	188	9.556	9.556	0.000	361431	2.00	
* 5 Chrysene-d12	240	12.201	12.198	0.003	233394	2.00	
* 6 Perylene-d12	264	13.649	13.649	0.000	162664	2.00	
$ 7 2-Fluorophenol	112	3.887	3.886	0.001	503704	6.64	
$ 8 Phenol-d5	99	4.776	4.776	0.000	614906	6.65	
$ 9 Nitrobenzene-d5	82	5.661	5.660	0.001	559444	8.44	
$ 10 2-Fluorobiphenyl	172	7.417	7.416	0.001	1061704	7.31	
$ 11 2,4,6-Tribromophenol	330	8.869	8.863	0.006	115296	8.40	
$ 12 Terphenyl-d14	244	11.134	11.133	0.001	824510	8.02	
15 N-Nitrosodimethylamine	42	2.521	2.516	0.005	213279	6.68	
16 Pyridine	79	3.791	3.785	0.006	1583	0.3041	
24 Benzyl alcohol	79	5.512	5.507	0.005	158624	6.34	
26 2-Methylphenol	108	5.512	5.507	0.005	472376	6.46	
17 Benzaldehyde	94	5.681	5.656	0.025	5960	2.09	5
30 Acetophenone	105	5.878	5.862	0.016	75	0.1527	
20 Bis(2-chloroethyl)ether	93	5.988	5.983	0.005	28062	7.78	
21 2-Chlorophenol	128	6.214	6.213	0.001	18129	7.43	
27 2,2'-oxybis[1-chloropropane]	45	6.214	6.213	0.001	1756	1.48	
31 Hexachloroethane	117	6.234	6.233	0.001	198	8.00	
22 1,4-Dichlorobenzene	146	6.301	6.300	0.001	20750	6.30	
35 2,4-Dimethylphenol	107	6.301	6.300	0.001	9452	7.89	
32 Nitrobenzene	77	6.301	6.300	0.001	912	0.1393	
23 1,3-Dichlorobenzene	146	6.301	6.300	0.001	20750	6.30	
36 Benzoic acid	105	6.359	6.358	0.001	713	0.4072	
37 Bis(2-chloroethoxy)methane	93	6.383	6.382	0.001	243392	8.14	
29 N-Nitrosodi-n-propylamine	70	6.421	6.415	0.006	58	0.1776	
28 3 & 4 Methylphenol	108	6.436	6.439	-0.003	2744	1.54	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
18 Phenol	94	6.431	6.497	-0.066	704	0.2502	
39 1,2,4-Trichlorobenzene	180	6.522	6.521	0.001	691	7.32	
40 Alpha-Terpineol	59	6.556	6.550	0.006	82	0.2351	
19 Aniline	93	6.604	6.603	0.001	161	8.00	5
42 4-Chloroaniline	127	6.657	6.656	0.001	82	8.00	
38 2,4-Dichlorophenol	162	6.666	6.706	-0.040	276	8.00	
25 1,2-Dichlorobenzene	146	6.902	6.901	0.001	519	7.43	
45 4-Chloro-3-methylphenol	107	7.114	7.132	-0.018	4452	4.04	
48 Hexachlorocyclopentadiene	237	7.210	7.209	0.001	48819	11.1	
46 2-Methylnaphthalene	142	7.330	7.329	0.001	570	9.07	
51 2,4,5-Trichlorophenol	196	7.373	7.368	0.005	275939	8.10	
50 2,4,6-Trichlorophenol	196	7.373	7.368	0.005	275939	8.11	
44 Caprolactam	55	7.441	7.435	0.006	39	0.0375	
49 1,2,4,5-Tetrachlorobenzene	216	7.503	7.495	0.008	314	8.00	
53 2-Chloronaphthalene	162	7.580	7.579	0.001	886	0.0160	
55 2-Nitroaniline	65	7.657	7.656	0.001	685	0.0344	
47 1-Methylnaphthalene	142	7.744	7.747	-0.003	125	7.96	
56 Dimethyl phthalate	163	7.816	7.815	0.001	1091862	7.92	
57 2,6-Dinitrotoluene	165	7.878	7.877	0.001	261684	8.31	
54 Phenyl ether	170	7.931	7.925	0.006	1434	8.21	
58 Acenaphthylene	152	7.945	7.945	0.000	1439218	7.91	
52 1,1'-Biphenyl	154	7.945	7.945	0.000	12004	7.58	
59 3-Nitroaniline	138	8.042	8.041	0.001	258606	8.47	
33 Isophorone	82	8.109	8.084	0.025	76	0.005886	7
34 2-Nitrophenol	139	8.119	8.113	0.006	7256	3.73	
61 Acenaphthene	153	8.119	8.118	0.001	932264	7.50	
62 4-Nitrophenol	109	8.210	8.204	0.006	104356	8.10	
63 2,4-Dinitrotoluene	165	8.277	8.276	0.001	319570	8.22	
64 Dibenzofuran	168	8.287	8.286	0.001	1284833	7.43	
66 Diethyl phthalate	149	8.513	8.507	0.006	1112570	7.92	
67 4-Chlorophenyl phenyl ether	204	8.624	8.623	0.001	457717	7.17	
69 Fluorene	166	8.628	8.627	0.001	1015067	7.49	
68 4-Nitroaniline	138	8.648	8.642	0.006	249926	8.06	
13 Benzophenone	105	8.643	8.642	0.001	2999	4.47	
70 4,6-Dinitro-2-methylphenol	198	8.681	8.680	0.001	99348	8.06	
74 Azobenzene	77	8.782	8.781	0.001	1772720	8.49	
65 2,3,4,6-Tetrachlorophenol	232	8.864	8.863	0.001	318	4.85	
71 Diphenylamine	169	8.864	8.863	0.001	5600	8.57	
60 2,4-Dinitrophenol	184	8.859	8.894	-0.035	190	0.3238	
72 N-Nitrosodiphenylamine	169	9.109	9.108	0.001	36326	7.82	
75 4-Bromophenyl phenyl ether	248	9.109	9.108	0.001	264472	7.75	
76 Hexachlorobenzene	284	9.177	9.176	0.001	264064	7.57	
77 Atrazine	200	9.287	9.286	0.001	599	0.0357	
78 Pentachlorophenol	266	9.369	9.368	0.001	102471	15.9	
79 Pentachloronitrobenzene	237	9.383	9.382	0.001	117491	8.20	
73 1,2-Diphenylhydrazine	77	9.427	9.402	0.025	2004	8.00	5
80 Phenanthrene	178	9.580	9.580	0.000	1405369	7.45	
81 Anthracene	178	9.580	9.580	0.000	1405369	7.45	
83 Carbazole	167	9.787	9.786	0.001	1158549	8.07	
84 Di-n-butyl phthalate	149	10.129	10.128	0.001	1756820	8.11	
85 Pyrene	202	10.759	10.758	0.001	1306981	7.72	
86 Benzidine	184	10.836	10.849	-0.013	165	0.0161	

Report Date: 11-Sep-2009 09:02:17 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02889.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
87 Fluoranthene	202	10.903	10.921	-0.018	72	0.001059	7
89 Butyl benzyl phthalate	149	11.615	11.614	0.001	714248	9.15	
88 4,4'-DDD	235	11.706	11.710	-0.004	186	0	
93 Benzo[a]anthracene	228	12.187	12.186	0.001	881673	8.09	
94 Chrysene	228	12.187	12.186	0.001	890288	8.13	
92 Bis(2-ethylhexyl) phthalate	149	12.201	12.200	0.001	1016134	8.52	
95 Di-n-octyl phthalate	149	12.759	12.753	0.006	783	8.00	
91 3,3'-Dichlorobenzidine	252	12.865	12.856	0.009	100	8.00	
97 Benzo[b]fluoranthene	252	13.601	13.595	0.006	582031	8.13	
98 Benzo[k]fluoranthene	252	13.601	13.595	0.006	582031	8.13	
99 Benzo[a]pyrene	252	14.457	14.456	0.001	81	0.0746	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount
7 - Failed Limit of Detection

Report Date: 11-Sep-2009 09:02:17 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02889.D

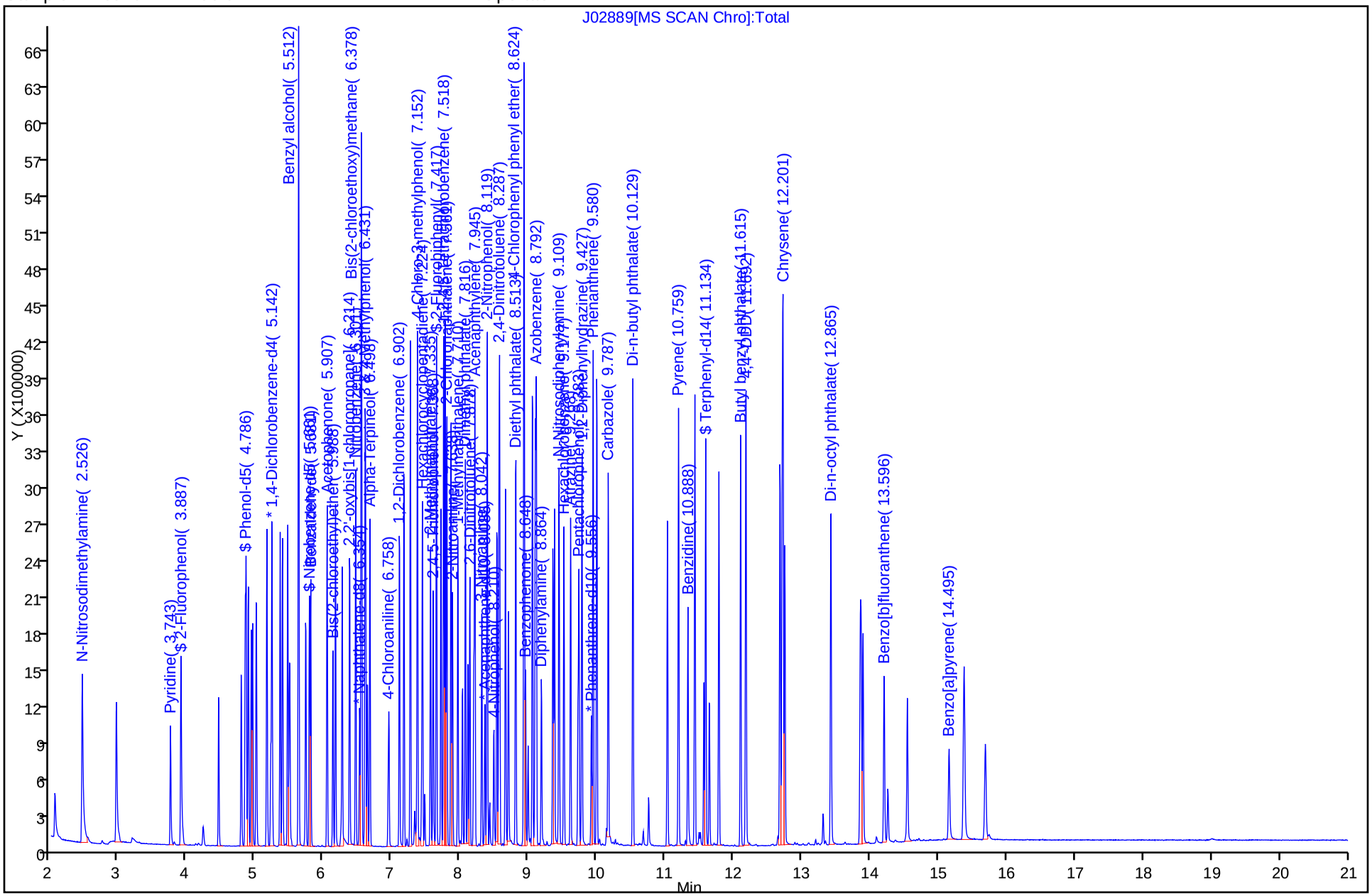
Inj Date: 10-Sep-2009 19:55:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48803 Lims Sample ID: 9

Client ID: Instrument: Inst. J

Sample Info: std8

Sample Amount: 1.00 uL Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02890.D		
Lims ID:	STD10	Client ID:	
Inject. Date:	10-Sep-2009 20:25:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	std10		
Misc. Info.:	360-0001128-010		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	48803	Lims Sample ID:	10
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\8270NDMA.m		
Last Update:	11-Sep-2009 09:03:25	Calib Date:	10-Sep-2009 20:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02890.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By: rachtank Date: 11-Sep-2009 09:03:25

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.129	5.127	0.002	262362	2.00	
* 2 Naphthalene-d8	136	6.355	6.354	0.001	466179	2.00	
* 3 Acenaphthene-d10	164	8.086	8.084	0.002	237877	2.00	
* 4 Phenanthrene-d10	188	9.558	9.556	0.002	390778	2.00	
* 5 Chrysene-d12	240	12.202	12.202	0.000	290247	2.00	M
* 6 Perylene-d12	264	13.650	13.649	0.001	246286	2.00	
$ 7 2-Fluorophenol	112	3.888	3.886	0.002	674197	8.12	
$ 8 Phenol-d5	99	4.778	4.776	0.002	815277	8.06	
$ 9 Nitrobenzene-d5	82	5.662	5.660	0.002	764975	10.8	
$ 10 2-Fluorobiphenyl	172	7.418	7.416	0.002	1396253	9.09	
$ 11 2,4,6-Tribromophenol	330	8.865	8.863	0.002	161212	10.5	
$ 12 Terphenyl-d14	244	11.135	11.133	0.002	1146573	9.14	
15 N-Nitrosodimethylamine	42	2.517	2.516	0.001	287372	8.22	
16 Pyridine	79	3.797	3.785	0.012	1126	0.2301	
24 Benzyl alcohol	79	5.513	5.507	0.006	208832	7.67	
26 2-Methylphenol	108	5.513	5.507	0.006	606351	7.62	
17 Benzaldehyde	94	5.682	5.656	0.026	7823	2.70	5
30 Acetophenone	105	5.855	5.862	-0.007	165	0.3401	
20 Bis(2-chloroethyl)ether	93	5.985	5.983	0.002	40500	9.84	
21 2-Chlorophenol	128	6.215	6.213	0.002	25301	9.41	
27 2,2'-oxybis[1-chloropropane]	45	6.220	6.213	0.007	2378	1.99	
31 Hexachloroethane	117	6.235	6.233	0.002	76	2.25	
22 1,4-Dichlorobenzene	146	6.302	6.300	0.002	26876	9.46	
35 2,4-Dimethylphenol	107	6.302	6.300	0.002	11737	9.66	
32 Nitrobenzene	77	6.297	6.300	-0.003	949	0.1636	
23 1,3-Dichlorobenzene	146	6.302	6.300	0.002	26876	9.46	
36 Benzoic acid	105	6.355	6.358	-0.003	441	0.2705	
37 Bis(2-chloroethoxy)methane	93	6.384	6.382	0.002	325690	10.2	
29 N-Nitrosodi-n-propylamine	70	6.422	6.415	0.007	157	0.4859	
28 3 & 4 Methylphenol	108	6.437	6.439	-0.002	3621	2.02	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
18 Phenol	94	6.523	6.497	0.026	272	0.1002	
39 1,2,4-Trichlorobenzene	180	6.518	6.521	-0.003	971	9.77	
40 Alpha-Terpineol	59	6.557	6.550	0.007	48	0.1617	
19 Aniline	93	6.595	6.603	-0.008	202	6.15	
41 Naphthalene	128	6.706	6.648	0.058	246	10.0	
42 4-Chloroaniline	127	6.658	6.656	0.002	89	10.0	5
38 2,4-Dichlorophenol	162	6.711	6.706	0.005	43	2.10	
25 1,2-Dichlorobenzene	146	6.908	6.901	0.007	851	9.64	
45 4-Chloro-3-methylphenol	107	7.115	7.132	-0.017	6082	5.59	
48 Hexachlorocyclopentadiene	237	7.211	7.209	0.002	92396	16.8	
46 2-Methylnaphthalene	142	7.336	7.329	0.007	549	8.54	
51 2,4,5-Trichlorophenol	196	7.374	7.368	0.006	379917	10.2	
50 2,4,6-Trichlorophenol	196	7.374	7.368	0.006	379917	10.2	
44 Caprolactam	55	7.418	7.435	-0.017	1409	1.43	
49 1,2,4,5-Tetrachlorobenzene	216	7.504	7.495	0.009	438	10.3	
53 2-Chloronaphthalene	162	7.581	7.579	0.002	679	0.0130	
55 2-Nitroaniline	65	7.658	7.656	0.002	444	0.0238	
47 1-Methylnaphthalene	142	7.740	7.747	-0.007	364	16.9	
56 Dimethyl phthalate	163	7.817	7.815	0.002	1438716	9.76	
57 2,6-Dinitrotoluene	165	7.879	7.877	0.002	352977	10.4	
54 Phenyl ether	170	7.937	7.925	0.012	1702	9.40	
58 Acenaphthylene	152	7.947	7.945	0.002	1938829	9.95	
52 1,1'-Biphenyl	154	7.947	7.945	0.002	16392	9.78	
59 3-Nitroaniline	138	8.043	8.041	0.002	358452	10.8	
33 Isophorone	82	8.110	8.084	0.026	27	0.002301	7
34 2-Nitrophenol	139	8.120	8.113	0.007	9831	5.09	5
61 Acenaphthene	153	8.120	8.118	0.002	1226458	9.29	
62 4-Nitrophenol	109	8.211	8.204	0.007	163221	10.1	
63 2,4-Dinitrotoluene	165	8.278	8.276	0.002	438516	10.4	
64 Dibenzofuran	168	8.288	8.286	0.002	1670089	9.12	
66 Diethyl phthalate	149	8.514	8.507	0.007	1449180	9.67	
67 4-Chlorophenyl phenyl ether	204	8.625	8.623	0.002	591084	8.78	
69 Fluorene	166	8.629	8.627	0.002	1333176	9.27	
68 4-Nitroaniline	138	8.649	8.642	0.007	361048	10.5	
13 Benzophenone	105	8.649	8.642	0.007	2947	4.44	5
70 4,6-Dinitro-2-methylphenol	198	8.682	8.680	0.002	179094	10.2	5
74 Azobenzene	77	8.783	8.781	0.002	2382324	10.5	
65 2,3,4,6-Tetrachlorophenol	232	8.870	8.863	0.007	367	7.49	
71 Diphenylamine	169	8.865	8.863	0.002	8658	11.7	
60 2,4-Dinitrophenol	184	8.899	8.894	0.005	164	0.3859	
72 N-Nitrosodiphenylamine	169	9.110	9.108	0.002	50495	10.0	
75 4-Bromophenyl phenyl ether	248	9.110	9.108	0.002	349620	9.54	
76 Hexachlorobenzene	284	9.178	9.176	0.002	347229	9.30	
77 Atrazine	200	9.288	9.286	0.002	1046	0.0658	
78 Pentachlorophenol	266	9.370	9.368	0.002	159653	18.8	
79 Pentachloronitrobenzene	237	9.384	9.382	0.002	160076	10.9	
73 1,2-Diphenylhydrazine	77	9.389	9.402	-0.013	507	3.73	
80 Phenanthrene	178	9.582	9.580	0.002	1889145	9.35	
81 Anthracene	178	9.582	9.580	0.002	1889145	9.35	
83 Carbazole	167	9.788	9.786	0.002	1615806	10.4	
84 Di-n-butyl phthalate	149	10.130	10.128	0.002	2348347	10.0	
85 Pyrene	202	10.760	10.758	0.002	1804568	8.73	

Report Date: 11-Sep-2009 09:03:26 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02890.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	10.846	10.849	-0.003	196	0.0221	5
87 Fluoranthene	202	10.933	10.921	0.012	241	0.003748	7
89 Butyl benzyl phthalate	149	11.616	11.614	0.002	1002593	10.3	
88 4,4'-DDD	235	11.712	11.710	0.002	527	0	
93 Benzo[a]anthracene	228	12.193	12.186	0.007	1380475	10.1	
94 Chrysene	228	12.193	12.186	0.007	1411207	10.2	
92 Bis(2-ethylhexyl) phthalate	149	12.202	12.200	0.002	1411752	9.70	
95 Di-n-octyl phthalate	149	12.755	12.753	0.002	749	6.61	
91 3,3'-Dichlorobenzidine	252	12.861	12.856	0.005	171	10.5	
97 Benzo[b]fluoranthene	252	13.602	13.595	0.007	1129682	10.3	
98 Benzo[k]fluoranthene	252	13.602	13.595	0.007	1129682	10.3	
99 Benzo[a]pyrene	252	14.448	14.456	-0.008	88	0.0612	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 11-Sep-2009 09:03:26 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02890.D

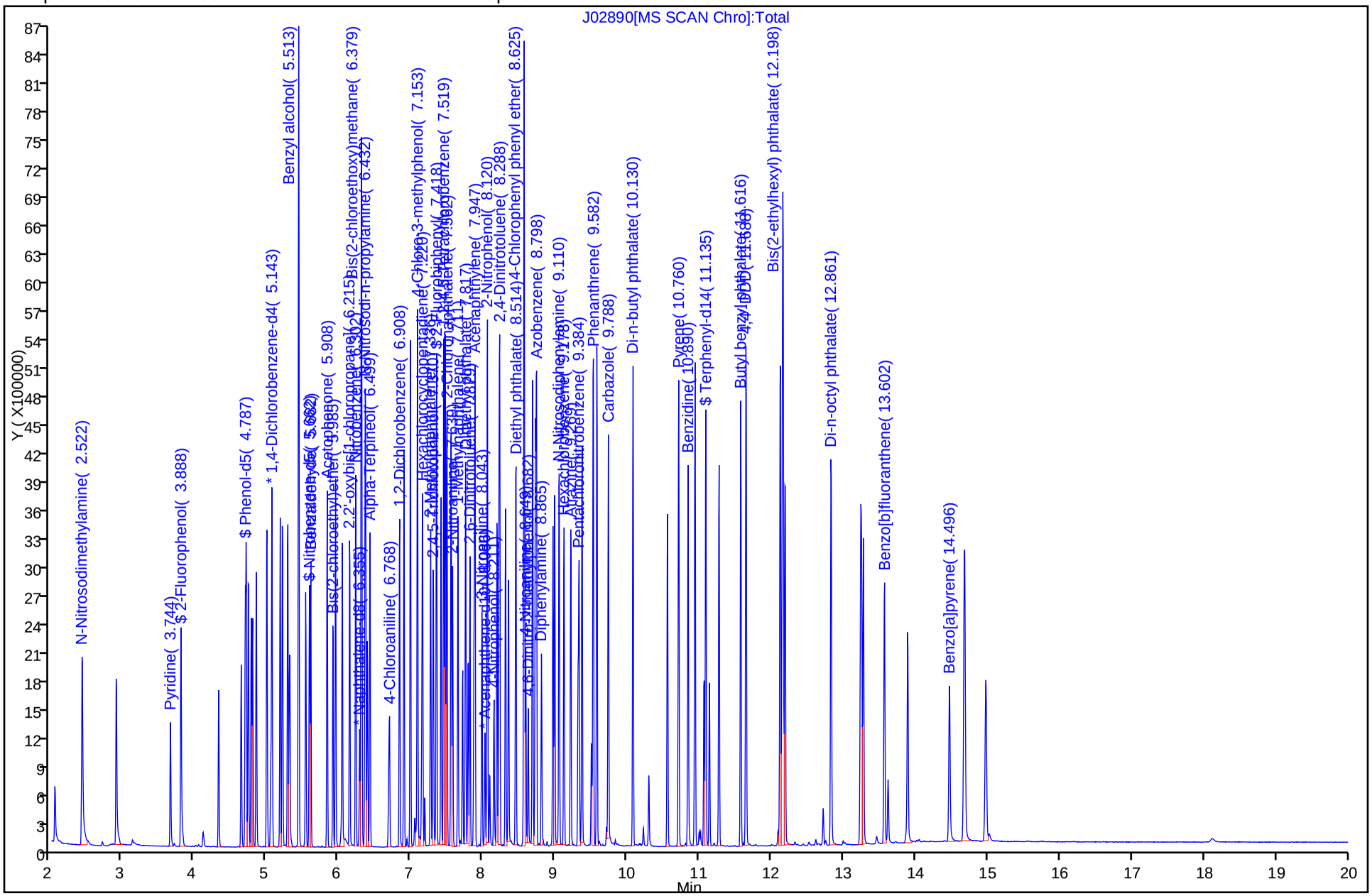
Inj Date: 10-Sep-2009 20:25:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48803 Lims Sample ID: 10

Client ID: Instrument: Inst. J

Sample Info: std10

Sample Amount: 1.00 uL Operator:



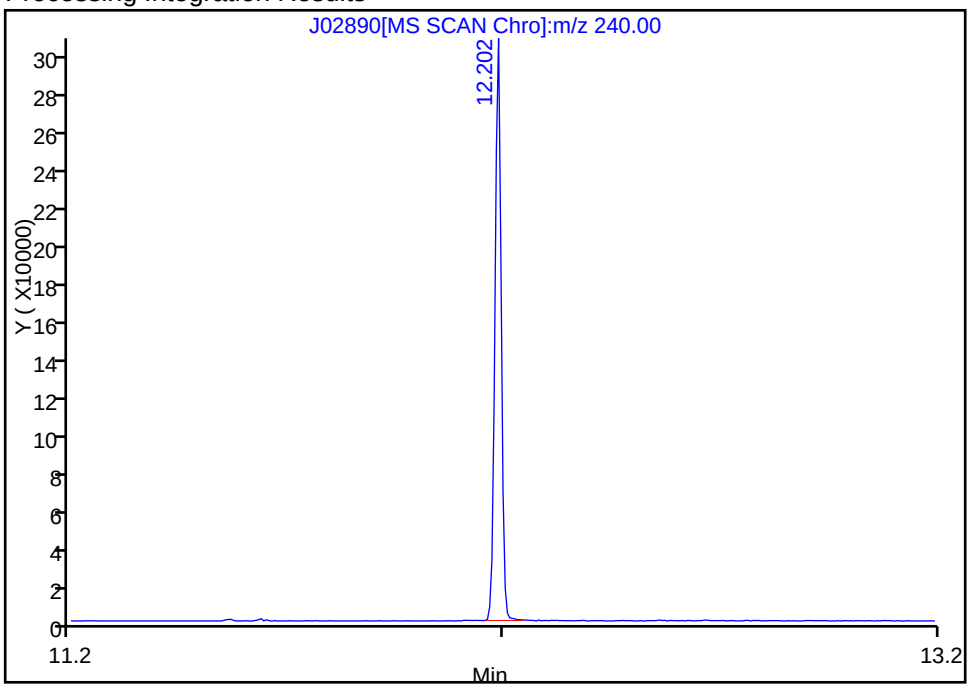
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02890.D		
Inj Date:	10-Sep-2009 20:25:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	10
Client ID:		Instrument:	Inst. J
Sample Info:	std10		
Sample Amount:	1.00 uL	Operator:	

* 5 Chrysene-d12, Number: 1, m/z: 240 Type: quant, RT: 12.20

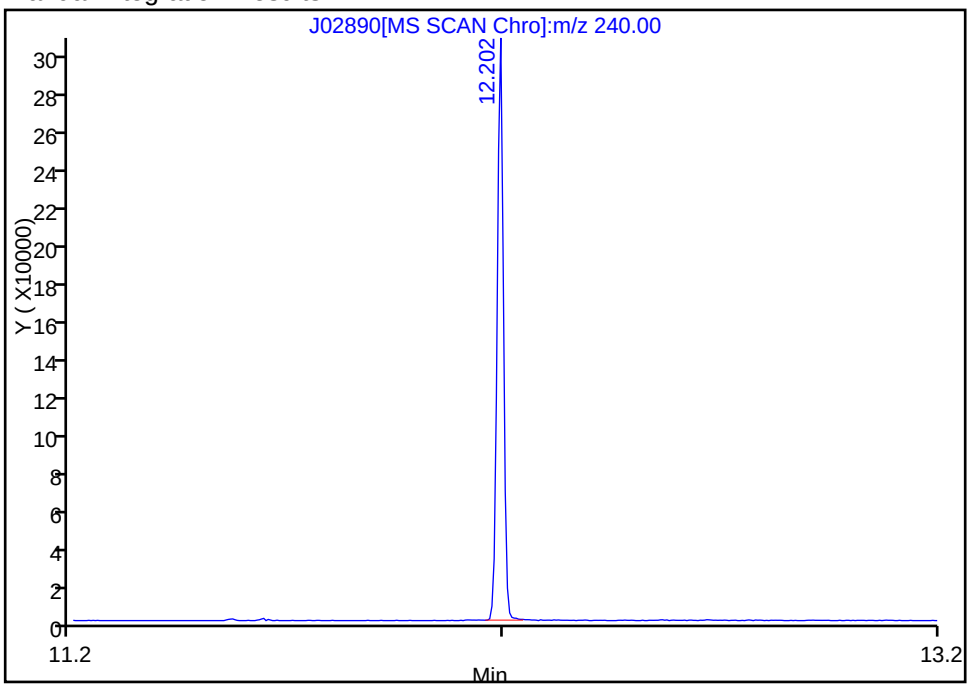
Processing Integration Results

RT: 12.20
Response: 290319
Amount: 2.000000



Manual Integration Results

RT: 12.20
Response: 290247
Amount: 2.000000



Reviewer: rachtank, 11-Sep-2009 09:03:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 11-Sep-2009 09:14:05 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02891.D		
Lims ID:	STD20	Client ID:	
Inject. Date:	10-Sep-2009 20:55:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	std20		
Misc. Info.:	360-0001128-011		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	48803	Lims Sample ID:	11
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\8270NDMA.m		
Last Update:	11-Sep-2009 09:14:04	Calib Date:	10-Sep-2009 20:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02891.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By: rachtank Date: 11-Sep-2009 09:14:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.127	5.127	0.000	181366	2.00	
* 2 Naphthalene-d8	136	6.358	6.354	0.004	431728	2.00	
* 3 Acenaphthene-d10	164	8.085	8.084	0.001	218951	2.00	
* 4 Phenanthrene-d10	188	9.556	9.556	0.000	366286	2.00	
* 5 Chrysene-d12	240	12.206	12.202	0.004	248864	2.00	
* 6 Perylene-d12	264	13.653	13.649	0.004	207471	2.00	
$ 7 2-Fluorophenol	112	3.887	3.886	0.001	1229943	20.9	
$ 8 Phenol-d5	99	4.781	4.776	0.005	1426110	19.9	
$ 9 Nitrobenzene-d5	82	5.666	5.660	0.006	1348131	20.7	
$ 10 2-Fluorobiphenyl	172	7.421	7.416	0.005	2390166	16.7	
$ 11 2,4,6-Tribromophenol	330	8.873	8.863	0.010	298485	21.3	
$ 12 Terphenyl-d14	244	11.138	11.133	0.005	2046482	18.7	
15 N-Nitrosodimethylamine	42	2.516	2.516	0.000	516202	21.2	
16 Pyridine	79	3.781	3.785	-0.004	3437	1.18	5
24 Benzyl alcohol	79	5.517	5.507	0.010	345314	18.5	
26 2-Methylphenol	108	5.517	5.507	0.010	968315	16.9	
17 Benzaldehyde	94	5.685	5.656	0.029	14173	7.62	5
30 Acetophenone	105	5.863	5.862	0.001	85	0.2847	
20 Bis(2-chloroethyl)ether	93	5.988	5.983	0.005	71607	20.1	
21 2-Chlorophenol	128	6.219	6.213	0.006	43947	22.8	
27 2,2'-oxybis[1-chloropropane]	45	6.190	6.213	-0.023	1847	2.48	
31 Hexachloroethane	117	6.219	6.233	-0.014	642	25.6	
22 1,4-Dichlorobenzene	146	6.301	6.300	0.001	47906	19.4	
35 2,4-Dimethylphenol	107	6.301	6.300	0.001	19827	19.4	
32 Nitrobenzene	77	6.382	6.300	0.082	261342	20.1	
23 1,3-Dichlorobenzene	146	6.301	6.300	0.001	47906	19.4	
36 Benzoic acid	105	6.387	6.358	0.029	39093	25.1	
37 Bis(2-chloroethoxy)methane	93	6.387	6.382	0.005	563616	19.2	
29 N-Nitrosodi-n-propylamine	70	6.416	6.415	0.001	180	0.9021	
28 3 & 4 Methylphenol	108	6.464	6.439	0.025	83954	53.5	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
18 Phenol	94	6.522	6.497	0.025	368	0.2238	
39 1,2,4-Trichlorobenzene	180	6.517	6.521	-0.004	1613	18.0	
40 Alpha-Terpineol	59	6.560	6.550	0.010	165	0.7160	
19 Aniline	93	6.618	6.603	0.015	355	20.0	
41 Naphthalene	128	6.700	6.648	0.052	141	20.0	
42 4-Chloroaniline	127	6.657	6.656	0.001	52	5.22	
38 2,4-Dichlorophenol	162	6.709	6.706	0.003	125	8.50	
25 1,2-Dichlorobenzene	146	6.911	6.901	0.010	1718	20.0	
45 4-Chloro-3-methylphenol	107	7.162	7.132	0.030	2774	3.09	
48 Hexachlorocyclopentadiene	237	7.214	7.209	0.005	153452	28.3	
46 2-Methylnaphthalene	142	7.339	7.329	0.010	487	9.07	
51 2,4,5-Trichlorophenol	196	7.378	7.368	0.010	672897	20.7	
50 2,4,6-Trichlorophenol	196	7.378	7.368	0.010	672897	19.8	
44 Caprolactam	55	7.450	7.435	0.015	223	0.2181	
49 1,2,4,5-Tetrachlorobenzene	216	7.503	7.495	0.008	835	21.7	
53 2-Chloronaphthalene	162	7.585	7.579	0.006	1647	0.0301	
55 2-Nitroaniline	65	7.662	7.656	0.006	1413	0.0720	
47 1-Methylnaphthalene	142	7.748	7.747	0.001	452	29.3	
56 Dimethyl phthalate	163	7.825	7.815	0.010	2540456	18.7	
57 2,6-Dinitrotoluene	165	7.883	7.877	0.006	638105	20.5	
54 Phenyl ether	170	7.941	7.925	0.016	3434	19.5	
58 Acenaphthylene	152	7.950	7.945	0.005	3291804	18.3	
52 1,1'-Biphenyl	154	7.950	7.945	0.005	26967	17.2	
59 3-Nitroaniline	138	8.051	8.041	0.010	652225	21.6	
33 Isophorone	82	8.085	8.084	0.001	21475	1.69	
34 2-Nitrophenol	139	8.123	8.113	0.010	16295	8.52	5
61 Acenaphthene	153	8.123	8.118	0.005	2136717	17.4	
62 4-Nitrophenol	109	8.215	8.204	0.011	308368	23.7	
63 2,4-Dinitrotoluene	165	8.282	8.276	0.006	764663	19.7	
64 Dibenzofuran	168	8.292	8.286	0.006	2801199	16.4	
66 Diethyl phthalate	149	8.518	8.507	0.011	2589432	18.7	
67 4-Chlorophenyl phenyl ether	204	8.628	8.623	0.005	1045669	16.6	
69 Fluorene	166	8.633	8.627	0.006	2282005	17.1	
68 4-Nitroaniline	138	8.657	8.642	0.015	642254	20.8	
13 Benzophenone	105	8.657	8.642	0.015	6970	10.2	5
70 4,6-Dinitro-2-methylphenol	198	8.691	8.680	0.011	333371	17.5	
74 Azobenzene	77	8.787	8.781	0.006	3162417	14.9	
65 2,3,4,6-Tetrachlorophenol	232	8.869	8.863	0.006	678	NaN	5
71 Diphenylamine	169	8.869	8.863	0.006	14562	22.0	
60 2,4-Dinitrophenol	184	8.869	8.894	-0.025	651	1.12	
72 N-Nitrosodiphenylamine	169	9.114	9.108	0.006	93239	19.8	
75 4-Bromophenyl phenyl ether	248	9.114	9.108	0.006	623499	18.0	
76 Hexachlorobenzene	284	9.181	9.176	0.005	625959	17.7	
77 Atrazine	200	9.277	9.286	-0.009	676549	39.8	
78 Pentachlorophenol	266	9.374	9.368	0.006	310505	47.5	
79 Pentachloronitrobenzene	237	9.388	9.382	0.006	295316	20.2	
73 1,2-Diphenylhydrazine	77	9.431	9.402	0.029	3940	10.7	5
80 Phenanthrene	178	9.585	9.580	0.005	3268035	17.5	
81 Anthracene	178	9.585	9.580	0.005	3268035	17.5	
83 Carbazole	167	9.792	9.786	0.006	2732617	18.8	
84 Di-n-butyl phthalate	149	10.133	10.128	0.005	4091347	18.8	
85 Pyrene	202	10.763	10.758	0.005	3179151	18.1	

Report Date: 11-Sep-2009 09:14:05 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02891.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
86 Benzidine	184	10.845	10.849	-0.004	57	0.008210	57
87 Fluoranthene	202	10.908	10.921	-0.013	814	0.0152	
89 Butyl benzyl phthalate	149	11.619	11.614	0.005	1805068	21.4	
88 4,4'-DDD	235	11.740	11.710	0.030	481	0	
94 Chrysene	228	12.192	12.186	0.006	2352419	20.0	
93 Benzo[a]anthracene	228	12.192	12.186	0.006	2367828	20.2	
92 Bis(2-ethylhexyl) phthalate	149	12.201	12.200	0.001	2410644	19.6	
95 Di-n-octyl phthalate	149	12.754	12.753	0.001	1458	16.0	
91 3,3'-Dichlorobenzidine	252	12.850	12.856	-0.006	58	6.31	
97 Benzo[b]fluoranthene	252	13.605	13.595	0.010	1796574	20.7	
98 Benzo[k]fluoranthene	252	13.605	13.595	0.010	1796574	20.7	
99 Benzo[a]pyrene	252	14.423	14.456	-0.033	343	0.3178	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount
7 - Failed Limit of Detection

Report Date: 11-Sep-2009 09:14:05 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02891.D

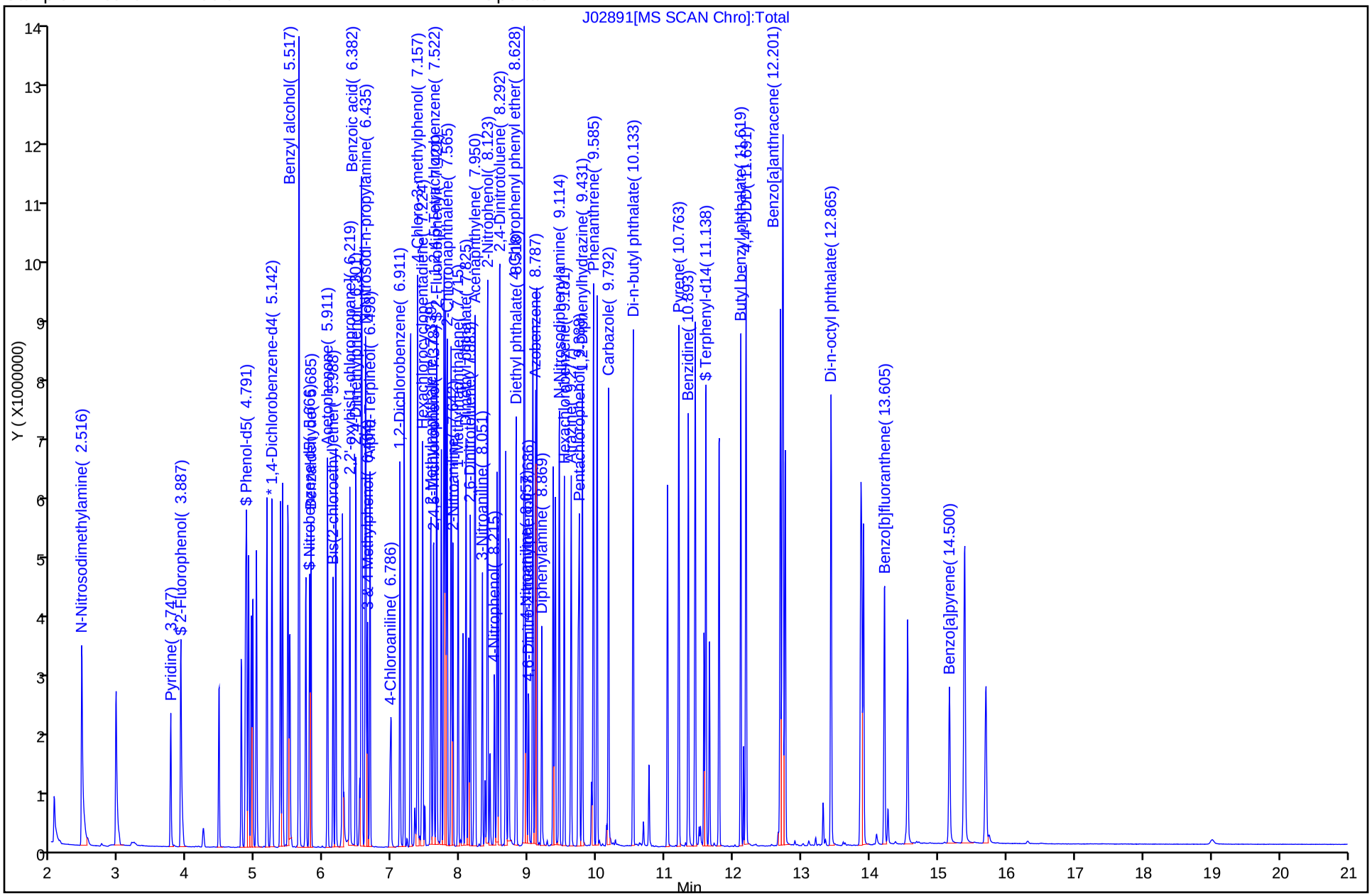
Inj Date: 10-Sep-2009 20:55:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48803 Lims Sample ID: 11

Client ID: Instrument: Inst. J

Sample Info: std20

Sample Amount: 1.00 uL Operator:



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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49259

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49259/3	J03041.D
Level 2	STD025 360-49259/4	J03042.D
Level 3	STD05 360-49259/5	J03043.D
Level 4	STD1 360-49259/6	J03044.D
Level 5	STD25 360-49259/7	J03045.D
Level 6	STD5 360-49259/2	J03040.D
Level 7	STD8 360-49259/8	J03046.D
Level 8	STD10 360-49259/9	J03047.D
Level 9	STD20 360-49259/10	J03048.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.8489 0.2155	0.4078 0.2187	0.3238 0.2342	0.2909 0.2570	0.2523	Lin1	0.0525	0.2346							0.9920		0.9900
Pyridine	+++++ 0.5069	0.4061 0.5015	0.4133 0.6051	0.7044 0.6258	0.6807	Lin	-0.174	0.6184							0.9920		0.9900
N-Nitrosodimethylamine	0.2721 0.2981	0.2831 0.2844	0.3063 0.3493	0.3542 0.3586	0.3388	Ave		0.3161				11.0		15.0			
Benzoic acid	+++++ 0.0416	+++++ 0.0760	+++++ 0.1107	0.0005 0.1262	0.0218	Qua	-0.164	0.0869	0.0024						0.9890	*	0.9900
Aniline	0.9485 0.8476	0.8692 0.8127	0.8830 0.9753	0.9267 1.0326	0.9767	Ave		0.9192				7.7		15.0			
Phenol	0.7163 0.7478	0.7886 0.7084	0.8308 0.8337	0.8774 0.8661	0.8566	Ave		0.8029				8.1		15.0			
2-Chlorophenol	0.6424 0.5989	0.6477 0.5776	0.6563 0.6757	0.6822 0.7051	0.6990	Ave		0.6539				6.6		15.0			
Bis(2-chloroethyl)ether	0.7250 0.5884	0.6976 0.5603	0.7023 0.6492	0.7206 0.6655	0.6921	Ave		0.6668				8.7		15.0			
1,4-Dichlorobenzene	0.8100 0.6798	0.8285 0.6355	0.8240 0.7467	0.8223 0.7660	0.7908	Ave		0.7671				9.0		15.0			
2,4-Dinitrophenol	+++++ 0.0516	+++++ 0.0668	+++++ 0.0877	0.0106 0.1098	0.0344	Qua	-0.082	0.0628	0.0026		0.0500				0.9970		0.9900
1,3-Dichlorobenzene	0.9148 0.6972	0.8714 0.6518	0.8555 0.7694	0.8311 0.7922	0.8216	Ave		0.8006				10.0		15.0			
1,2-Dichlorobenzene	0.9336 0.6398	0.8336 0.5994	0.8108 0.7079	0.7749 0.7406	0.7659	Ave		0.7563				13.0		15.0			
Benzyl alcohol	0.3658 0.5008	0.4083 0.4789	0.4245 0.5867	0.4679 0.6324	0.5594	Lin	-0.271	0.6231							0.9910		0.9900

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49259

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Methylphenol	0.5077 0.5440	0.5457 0.5145	0.5335 0.5978	0.5839 0.6295	0.6201	Ave		0.5641				8.0		15.0			
2,2'-oxybis[1-chloropropane]	0.7895 0.6120	0.7206 0.5737	0.7278 0.6665	0.7194 0.7136	0.7011	Ave		0.6916				9.4		15.0			
Acetophenone	0.7562 0.7954	0.7380 0.7698	0.8067 0.9012	0.8864 0.9362	0.9027	Ave		0.8325				8.9		15.0			
Benzaldehyde	0.7562 0.7954	0.7380 0.7698	0.8067 0.9012	0.8864 0.9362	0.9027	Ave		0.8325				8.9		15.0			
N-Nitrosodi-n-propylamine	0.3883 0.4338	0.4080 0.4037	0.4307 0.4909	0.4593 0.5157	0.4785	Ave		0.4454			0.0500	9.7		15.0			
3 & 4 Methylphenol	0.4921 0.5682	0.5651 0.5356	0.5497 0.6331	0.6094 0.6602	0.6454	Ave		0.5843				9.6		15.0			
Hexachloroethane	0.2821 0.2799	0.3039 0.2622	0.3039 0.3001	0.3116 0.3118	0.3202	Ave		0.2973				6.3		15.0			
Nitrobenzene	0.2491 0.3218	0.2666 0.3483	0.2965 0.3353	0.3158 0.3296	0.3544	Ave		0.3130				11.0		15.0			
Caprolactam	+++++ 0.0768	0.0181 0.0946	0.0318 0.0951	0.0486 0.0981	0.0729	Lin1	-0.030	0.0961							0.9940		0.9900
Isophorone	0.3690 0.5280	0.3794 0.6053	0.4302 0.5892	0.4964 0.5747	0.5763	Lin1	-0.038	0.5806							0.9980		0.9900
2-Nitrophenol	0.0692 0.1358	0.0751 0.1514	0.0945 0.1579	0.1129 0.1591	0.1404	Lin1	-0.017	0.1550							0.9960		0.9900
2,4-Dimethylphenol	0.2315 0.2943	0.2350 0.3168	0.2495 0.3078	0.2879 0.3087	0.3136	Ave		0.2828				12.0		15.0			
4-Nitrophenol	+++++ 0.1449	+++++ 0.1665	0.0773 0.1693	0.1022 0.1809	0.1353	Lin2	-0.050	0.1671			0.0500				0.9920		0.9900
Bis(2-chloroethoxy)methane	0.2756 0.3116	0.2958 0.3469	0.3124 0.3334	0.3269 0.3325	0.3524	Ave		0.3208				7.7		15.0			
2,4-Dichlorophenol	0.1379 0.2009	0.1446 0.2276	0.1593 0.2217	0.1860 0.2249	0.2198	Lin1	-0.016	0.2227							0.9980		0.9900
1,2,4-Trichlorobenzene	0.2832 0.2429	0.2643 0.2652	0.2578 0.2531	0.2642 0.2534	0.2785	Ave		0.2625				4.8		15.0			
Naphthalene	0.9451 0.8485	0.9252 0.9116	0.9080 0.8631	0.9179 0.8539	0.9542	Ave		0.9031				4.3		15.0			
Alpha-Terpineol	0.1321 0.2012	0.1435 0.2219	0.1613 0.2137	0.1830 0.2133	0.2094	Lin2	-0.009	0.2040							0.9910		0.9900
4-Chloroaniline	0.2475 0.3308	0.2579 0.3597	0.2905 0.3554	0.3204 0.3417	0.3599	Ave		0.3182				14.0		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.0707	+++++ 0.0867	0.0174 0.0938	0.0320 0.1057	0.0609	Lin	-0.118	0.1088							0.9940		0.9900

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49259

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.1435 0.1387	0.1464 0.1450	0.1447 0.1386	0.1458 0.1412	0.1516	Ave		0.1439				2.8		15.0			
2-Nitroaniline	+++++ 0.0442	+++++ 0.0481	0.0530 0.0435	0.0490 0.0405	0.0495	Ave		0.0468				9.2		15.0			
Benzidine	+++++ 0.1529	+++++ 0.1847	+++++ 0.1942	0.0718 0.2518	0.1380	Qua	-0.080	0.1493	0.0053						1.0000		0.9900
4-Chloro-3-methylphenol	0.1227 0.2389	0.1470 0.2704	0.1753 0.2648	0.2030 0.2658	0.2510	Lin1	-0.025	0.2642							0.9980		0.9900
Pentachlorophenol	+++++ 0.0731	+++++ 0.0915	0.0133 0.0921	0.0278 0.1053	0.0615	Lin1	-0.063	0.1011							0.9900		0.9900
2-Methylnaphthalene	0.5547 0.5505	0.5734 0.5884	0.5477 0.5710	0.5769 0.5564	0.6146	Ave		0.5704				3.8		15.0			
1-Methylnaphthalene	0.5429 0.5359	0.5428 0.5742	0.5547 0.5528	0.5767 0.5395	0.6049	Ave		0.5583				4.1		15.0			
Hexachlorocyclopentadiene	0.0454 0.1939	0.1030 0.2013	0.1152 0.2253	0.1535 0.2405	0.1963	Lin1	-0.031	0.2249			0.0500				0.9920		0.9900
1,2,4,5-Tetrachlorobenzene	0.2182 0.2048	0.2172 0.2219	0.2180 0.2157	0.2221 0.2181	0.2281	Ave		0.2182				2.9		15.0			
2,4,6-Trichlorophenol	0.1423 0.2618	0.1590 0.3011	0.1893 0.3005	0.2368 0.3066	0.2910	Lin1	-0.029	0.3005							0.9970		0.9900
2,4,5-Trichlorophenol	0.1202 0.2730	0.1759 0.3185	0.2030 0.3043	0.2532 0.3201	0.2991	Lin1	-0.030	0.3124							0.9970		0.9900
1,1'-Biphenyl	1.3756 1.2582	1.3871 1.3385	1.3458 1.2550	1.4012 1.2337	1.4219	Ave		1.3352				5.2		15.0			
2-Chloronaphthalene	1.3575 1.3235	1.4758 1.3812	1.3647 1.3555	1.4107 1.3029	1.5272	Ave		1.3888				5.2		15.0			
Phenyl ether	0.3535 0.3272	0.3474 0.3643	0.3633 0.3475	0.3604 0.3441	0.3660	Ave		0.3526				3.6		15.0			
4-Nitroaniline	0.1822 0.3086	0.1882 0.3687	0.2034 0.3602	0.2673 0.3698	0.3440	Lin1	-0.037	0.3615							0.9960		0.9900
Dimethyl phthalate	1.0753 1.1447	1.0942 1.2726	1.1783 1.1993	1.2530 1.1950	1.3237	Ave		1.1929				6.8		15.0			
2,4-Dinitrotoluene	0.1396 0.2560	0.1478 0.2884	0.2083 0.2778	0.2479 0.2807	0.2873	Lin1	-0.022	0.2809							0.9980		0.9900
Acenaphthylene	1.2818 1.5974	1.4441 1.7583	1.5065 1.6577	1.6761 1.6416	1.7884	Ave		1.5946				10.0		15.0			
Acenaphthene	1.1695 1.0084	1.1349 1.0742	1.0612 1.0416	1.1257 1.0379	1.1680	Ave		1.0913				5.5		15.0			
Dibenzofuran	1.5025 1.3765	1.5337 1.4682	1.4502 1.4134	1.5147 1.4044	1.5624	Ave		1.4696				4.3		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49259

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,6-Dinitrotoluene	0.1132 0.3096	0.1262 0.3614	0.1792 0.3500	0.2703 0.3600	0.3418	Lin1	-0.044	0.3546							0.9960		0.9900
2,3,4,6-Tetrachlorophenol	0.0563 0.1985	0.0860 0.2406	0.1342 0.2389	0.1813 0.2456	0.2247	Lin1	-0.031	0.2393							0.9960		0.9900
Diethyl phthalate	1.1210 1.2051	1.0629 1.3059	1.1101 1.2632	1.2251 1.2498	1.3414	Ave		1.2094				7.8		15.0			
Fluorene	1.0983 1.1059	1.1090 1.1914	1.0982 1.1377	1.1605 1.1395	1.2294	Ave		1.1411				4.0		15.0			
4-Chlorophenyl phenyl ether	0.5873 0.5040	0.5553 0.5474	0.5481 0.5270	0.5677 0.5344	0.5797	Ave		0.5501				4.8		15.0			
3-Nitroaniline	0.0357 0.1947	0.0899 0.2212	0.1142 0.2228	0.1669 0.2440	0.2251	Lin1	-0.032	0.2312							0.9940		0.9900
Diphenylamine	0.4964 0.6017	0.5358 0.6571	0.5601 0.6029	0.6109 0.6172	0.6727	Ave		0.5950				9.4		15.0			
N-Nitrosodiphenylamine	0.4964 0.6017	0.5358 0.6571	0.5601 0.6029	0.6109 0.6172	0.6727	Ave		0.5950				9.4		15.0			
1,2-Diphenylhydrazine	0.9046 1.3053	1.0034 1.4170	1.1256 1.2931	1.3090 1.2896	1.4389	Ave		1.2318				15.0		15.0			
Azobenzene	0.9046 1.3053	1.0034 1.4170	1.1256 1.2931	1.3090 1.2896	1.4389	Ave		1.2318				15.0		15.0			
Benzophenone	0.5453 0.7668	0.5900 0.8392	0.6694 0.7642	0.7705 0.7702	0.8567	Ave		0.7303				15.0		15.0			
4-Bromophenyl phenyl ether	0.1918 0.1784	0.1695 0.1939	0.1786 0.1793	0.1947 0.1860	0.2021	Ave		0.1860				5.6		15.0			
Hexachlorobenzene	0.2304 0.1927	0.2070 0.2143	0.2069 0.1916	0.2131 0.1982	0.2160	Ave		0.2078				6.0		15.0			
Atrazine	0.0968 0.1799	0.1073 0.2026	0.1212 0.1831	0.1623 0.1932	0.1961	Lin1	-0.016	0.1924							0.9970		0.9900
Pentachloronitrobenzene	0.0345 0.0843	0.0406 0.0960	0.0550 0.0877	0.0736 0.0911	0.0872	Lin1	-0.009	0.0909							0.9980		0.9900
Phenanthrene	1.1045 0.9340	1.0535 1.0268	0.9787 0.9554	1.0275 0.9615	1.0668	Ave		1.0121				5.7		15.0			
Anthracene	0.6694 0.8858	0.7272 0.9909	0.7714 0.9135	0.9118 0.9438	0.9972	Ave		0.8679				14.0		15.0			
Carbazole	0.6012 0.7502	0.6325 0.8517	0.6658 0.8047	0.7885 0.7847	0.8723	Ave		0.7502				13.0		15.0			
Di-n-butyl phthalate	0.9790 1.1571	0.7949 1.3603	0.8043 1.2208	1.0281 1.2365	1.2562	Lin1	-0.079	1.2499							0.9960		0.9900
Fluoranthene	0.6633 0.8180	0.6573 0.9527	0.6848 0.8601	0.8177 0.8685	0.9138	Ave		0.8040				14.0		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49259

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Pyrene	1.3861 1.2866	1.3713 1.4172	1.3532 1.3370	1.3206 1.3086	1.4849	Ave		1.3628				4.5		15.0			
Butyl benzyl phthalate	0.3452 0.6270	0.3037 0.7517	0.3096 0.7463	0.4480 0.7216	0.6741	Lin1	-0.088	0.7231							0.9940		0.9900
Benzo[a]anthracene	0.9512 0.8066	0.6375 0.9262	0.5888 0.9120	0.7340 0.9187	0.8735	Lin1	-0.044	0.9039							0.9970		0.9900
3,3'-Dichlorobenzidine	0.0952 0.2452	0.0813 0.2655	0.0927 0.2570	0.1497 0.2576	0.2369	Lin1	-0.036	0.2579							0.9950		0.9900
Chrysene	1.4170 0.8310	1.0724 0.9166	0.8829 0.8593	0.9109 0.8579	0.9611	Lin2	0.0540	0.8603							0.9960		0.9900
Bis(2-ethylhexyl) phthalate	0.6726 0.8508	0.3956 1.0385	0.4221 1.0421	0.5575 0.9900	0.8860	Lin1	-0.116	0.9921							0.9910		0.9900
Di-n-octyl phthalate	0.9473 1.4710	0.7277 2.1548	0.6587 2.0813	0.6936 2.1688	1.3581	Lin	-1.242	2.2102							0.9940		0.9900
Benzo[b]fluoranthene	1.2788 1.2307	1.1114 1.3545	1.0668 1.2448	1.1442 1.2372	1.3765	Ave		1.2272				8.5		15.0			
Benzo[k]fluoranthene	1.0285 1.0318	0.9868 1.2488	1.1664 1.1461	1.2133 1.2217	1.2759	Ave		1.1466				9.3		15.0			
Benzo[a]pyrene	0.5104 0.7835	0.4206 0.9336	0.4220 0.8988	0.5772 0.9428	0.8086	Lin1	-0.107	0.9114							0.9930		0.9900
Indeno[1,2,3-cd]pyrene	0.4695 0.7406	0.4517 0.7514	0.4212 0.8465	0.5803 0.8156	0.7643	Lin1	-0.078	0.8036							0.9960		0.9900
Dibenz(a,h)anthracene	0.2890 0.5977	0.3731 0.6005	0.3992 0.6883	0.5167 0.6736	0.6405	Lin1	-0.064	0.6582							0.9960		0.9900
Benzo[g,h,i]perylene	0.6219 0.6625	0.4900 0.6673	0.5360 0.7310	0.5920 0.6976	0.7136	Ave		0.6347				13.0		15.0			
2-Fluorophenol	0.2749 0.5135	0.4613 0.5405	0.4801 0.6461	0.5113 0.6935	0.5577	Lin	-0.330	0.6859							0.9910		0.9900
Phenol-d5	0.6920 0.6956	0.7043 0.6632	0.7352 0.7893	0.7880 0.8315	0.8042	Ave		0.7448				8.0		15.0			
Nitrobenzene-d5	0.2636 0.3158	0.2636 0.3506	0.2797 0.3384	0.3071 0.3355	0.3482	Ave		0.3114				11.0		15.0			
2-Fluorobiphenyl	1.3638 1.1606	1.3594 1.2721	1.2747 1.1833	1.2938 1.1708	1.3424	Ave		1.2690				6.3		15.0			
2,4,6-Tribromophenol	0.0448 0.0828	0.0370 0.0941	0.0510 0.0889	0.0642 0.0964	0.0858	Lin1	-0.011	0.0929							0.9950		0.9900
Terphenyl-d14	0.9091 0.7784	0.8901 0.8514	0.8878 0.8190	0.8043 0.8071	0.8930	Ave		0.8489				5.6		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49259

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49259/3	J03041.D
Level 2	STD025 360-49259/4	J03042.D
Level 3	STD05 360-49259/5	J03043.D
Level 4	STD1 360-49259/6	J03044.D
Level 5	STD25 360-49259/7	J03045.D
Level 6	STD5 360-49259/2	J03040.D
Level 7	STD8 360-49259/8	J03046.D
Level 8	STD10 360-49259/9	J03047.D
Level 9	STD20 360-49259/10	J03048.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Lin1	2446 36537	2933 75964	4600 88772	9688 177728	21370	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyridine	DCB	Lin	+++++ 85931	2921 174207	5871 229364	23456 432799	57668	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodimethylamine	DCB	Ave	784 50524	2036 98811	4351 132388	11793 247987	28697	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Qua	+++++ 15103	+++++ 48914	+++++ 94625	43 208881	4142	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
Aniline	DCB	Ave	2733 143681	6252 282324	12545 369657	30859 714143	82743	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol	DCB	Ave	2064 126754	5672 246094	11803 315986	29217 599001	72568	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chlorophenol	DCB	Ave	1851 101510	4659 200669	9324 256125	22715 487610	59219	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethyl)ether	DCB	Ave	2089 99736	5018 194655	9978 246071	23994 460211	58630	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dichlorobenzene	DCB	Ave	2334 115239	5959 220778	11707 283034	27383 529718	66990	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Qua	+++++ 9260	+++++ 21310	+++++ 38047	398 91473	3154	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
1,3-Dichlorobenzene	DCB	Ave	2636 118178	6268 226438	12154 291644	27675 547853	69602	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Dichlorobenzene	DCB	Ave	2690 108456	5996 208224	11519 268331	25803 512154	64882	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzyl alcohol	DCB	Lin	1054 84897	2937 166371	6031 222378	15581 437329	47385	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylphenol	DCB	Ave	1463 92209	3925 178745	7579 226571	19444 435312	52534	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49259

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,2'-oxybis[1-chloropropane]	DCB	Ave	2275 103746	5183 199294	10340 252640	23954 493474	59396	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acetophenone	DCB	Ave	2179 134824	5308 267423	11460 341572	29516 647450	76469	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzaldehyde	DCB	Ave	2179 134824	5308 267423	11460 341572	29516 647450	76469	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	1119 73526	2935 140238	6119 186064	15295 356628	40536	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3 & 4 Methylphenol	DCB	Ave	1418 96317	4065 186068	7810 239960	20293 456559	54678	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	813 47453	2186 91080	4317 113749	10376 215646	27126	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene	NPT	Ave	1772 116970	4761 224262	10280 286632	25120 545275	67252	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Caprolactam	NPT	Lin1	+++++ 27908	324 60942	1102 81249	3866 162288	13830	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Isophorone	NPT	Lin1	2625 191876	6776 389785	14916 503660	39491 950821	109379	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitrophenol	NPT	Lin1	492 49358	1341 97494	3275 134959	8979 263314	26641	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Ave	1647 106947	4196 204002	8651 263128	22899 510718	59513	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin2	+++++ 25994	+++++ 53110	1297 73451	3841 150808	12415	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	1961 113244	5282 223409	10831 284946	26001 550094	66875	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dichlorophenol	NPT	Lin1	981 73005	2582 146540	5524 189538	14796 372061	41709	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Ave	2015 88271	4720 170793	8939 216370	21019 419247	52849	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Ave	6724 308374	16523 587034	31481 737785	73016 1412747	181097	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Lin2	940 73138	2563 142921	5592 182701	14560 352945	39750	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloroaniline	NPT	Ave	1761 120228	4606 231618	10073 303775	25488 565430	68298	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4,6-Dinitro-2-methylphenol	PHN	Lin	+++++ 19334	+++++ 41999	450 64827	1870 139692	8582	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobutadiene	NPT	Ave	1021 50399	2615 93374	5017 118486	11597 233586	28775	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Ave	+++++ 7933	+++++ 15356	890 18862	1840 33729	4545	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49259

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzidine	PHN	Qua	+++++ 41815	+++++ 89493	+++++ 134203	4190 332832	19451	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
4-Chloro-3-methylphenol	NPT	Lin1	873 86823	2626 174107	6079 226377	16145 439743	47634	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachlorophenol	PHN	Lin1	+++++ 19998	+++++ 44326	343 63623	1622 139243	8665	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Ave	3946 200088	10239 378895	18990 488100	45895 920612	116645	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1-Methylnaphthalene	NPT	Ave	3862 194764	9694 369784	19233 472483	45878 892643	114811	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorocyclopentadiene	ANT	Lin1	150 34776	856 64194	1933 97766	5766 200421	18021	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4,5-Tetrachlorobenzene	NPT	Ave	1552 74418	3878 142917	7558 184405	17665 360885	43297	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Trichlorophenol	ANT	Lin1	470 46952	1321 96043	3177 130403	8897 255550	26714	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Lin1	397 48969	1461 101587	3407 132067	9511 266762	27455	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	4544 225668	11523 426919	22592 544573	52635 1028249	130515	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	4484 237382	12260 440513	22908 588217	52992 1085900	140181	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	2515 118920	6204 234598	12596 297042	28669 569271	69465	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitroaniline	ANT	Lin1	602 55353	1563 117597	3414 156312	10040 308206	31578	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	3552 205319	9090 405882	19779 520418	47069 995972	121505	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	461 45920	1228 91987	3496 120535	9312 233972	26368	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	4234 286518	11996 560797	25289 719326	62963 1368197	164157	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	3863 180863	9428 342601	17814 451975	42288 864997	107211	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	4963 246893	12741 468263	24343 613316	56901 1170485	143415	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Lin1	374 55537	1048 115257	3008 151861	10155 300059	31372	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,3,4,6-Tetrachlorophenol	ANT	Lin1	186 35605	714 76724	2252 103646	6812 204703	20622	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	3703 216154	8830 416520	18635 548164	46021 1041640	123130	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49259

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Fluorene	ANT	Ave	3628 198349	9213 379993	18435 493680	43595 949698	112850	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chlorophenyl phenyl ether	ANT	Ave	1940 90394	4613 174592	9200 228690	21326 445396	53210	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Lin1	118 34926	747 70539	1917 96675	6268 203360	20662	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	2415 164501	6858 318469	14486 416630	35666 815760	94787	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	2415 164501	6858 318469	14486 416630	35666 815760	94787	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	4401 356863	12844 686721	29110 893657	76425 1704539	202747	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	4401 356863	12844 686721	29110 893657	76425 1704539	202747	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzophenone	PHN	Ave	2653 209645	7552 406734	17313 528132	44986 1018074	120716	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	933 48776	2170 93976	4618 123927	11369 245846	28482	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	1121 52697	2650 103874	5351 132436	12443 261956	30437	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Lin1	471 49176	1373 98203	3134 126535	9473 255403	27629	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin1	168 23034	520 46542	1423 60611	4297 120429	12283	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	5374 255362	13485 497624	25312 660279	59987 1270870	150314	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	3257 242169	9308 480208	19951 631317	53233 1247549	140510	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	2925 205095	8096 412744	17219 556129	46035 1037262	122917	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Lin1	4763 316342	10174 659258	20800 843641	60023 1634442	177003	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	3227 223633	8413 461709	17710 594425	47737 1147988	128760	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	3493 239187	9279 480976	18763 617522	49791 1222112	135772	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Lin1	870 116573	2055 255119	4293 344693	16890 673892	61633	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]anthracene	CRY	Lin1	2397 149954	4314 314324	8164 421231	27675 857987	79867	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	240 45582	550 90093	1285 118686	5644 240609	21658	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49259

SDG No.: OCRI-10

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

Calibration Start Date: 09/21/2009 15:23 Calibration End Date: 09/21/2009 18:59 Calibration ID: 4673

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Chrysene	CRY	Lin2	3571 154498	7257 311083	12241 396899	34343 801197	87879	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Lin1	1695 158170	2677 352461	5852 481314	21017 924610	81015	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Lin	1249 181724	2600 440243	4859 644087	15489 1296013	77823	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Ave	1686 152034	3971 276732	7869 385237	25552 739297	78880	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Ave	1356 127465	3526 255150	8604 354672	27096 730053	73114	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Lin1	673 96787	1503 190737	3113 278134	12889 563390	46336	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Indeno[1,2,3-cd]pyrene	PRY	Lin1	619 91492	1614 153511	3107 261966	12959 487351	43799	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Lin1	381 73837	1333 122692	2945 213020	11539 402506	36701	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[g,h,i]perylene	PRY	Ave	820 81849	1751 136339	3954 226226	13220 416835	40891	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Lin	792 87037	3318 187787	6820 244896	17026 479585	47242	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol-d5	DCB	Ave	1994 117909	5066 230381	10445 299176	26238 575018	68131	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene-d5	NPT	Ave	1875 114781	4707 225793	9699 289274	24430 555091	66083	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorobiphenyl	ANT	Ave	4505 208172	11293 405731	21397 513489	48603 975811	123218	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	218 22630	474 45627	1318 61438	3748 127460	12086	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	2291 144719	6023 288937	12309 378296	30323 753829	81657	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

Curve Type Legend:

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03040.D		
Lims ID:	std5	Client ID:	
Inject. Date:	21-Sep-2009 15:23:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	5PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49259	Lims Sample ID:	2
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 13:24:28	Calib Date:	21-Sep-2009 17:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 13:24:28

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.296	6.296	0.000	67803	2.00	
* 2 Naphthalene-d8	136	7.637	7.637	0.000	145374	2.00	
* 3 Acenaphthene-d10	164	9.369	9.369	0.000	71745	2.00	
* 4 Phenanthrene-d10	188	10.802	10.802	0.000	109359	2.00	
* 5 Chrysene-d12	240	13.369	13.369	0.000	74364	2.00	
* 6 Perylene-d12	264	14.706	14.706	0.000	49415	2.00	
$ 7 2-Fluorophenol	112	4.430	4.430	0.000	87037	4.78	
$ 8 Phenol-d5	99	5.959	5.959	0.000	117909	4.72	
$ 9 Nitrobenzene-d5	82	6.916	6.916	0.000	114781	5.33	5
$ 10 2-Fluorobiphenyl	172	8.734	8.734	0.000	208172	4.47	
$ 11 2,4,6-Tribromophenol	330	10.138	10.138	0.000	22630	4.95	
$ 12 Terphenyl-d14	244	12.384	12.384	0.000	144719	4.72	
14 1,4-Dioxane	88	1.357	1.357	0.000	36537	4.79	
16 Pyridine	79	1.670	1.670	0.000	85931	4.99	
15 N-Nitrosodimethylamine	74	1.674	1.674	0.000	50524	4.83	
19 Aniline	93	5.921	5.921	0.000	143681	4.66	
18 Phenol	94	5.978	5.978	0.000	126754	4.66	
20 Bis(2-chloroethyl)ether	93	6.050	6.050	0.000	99736	4.28	5
21 2-Chlorophenol	128	6.050	6.050	0.000	101510	4.58	
22 1,4-Dichlorobenzene	146	6.224	6.224	0.000	115239	4.29	
23 1,3-Dichlorobenzene	146	6.315	6.315	0.000	118178	4.23	
25 1,2-Dichlorobenzene	146	6.478	6.478	0.000	108456	4.03	
24 Benzyl alcohol	79	6.498	6.498	0.000	84897	5.51	5
26 2-Methylphenol	108	6.652	6.652	0.000	92209	4.89	5
27 2,2'-oxybis[1-chloropropane]	45	6.666	6.666	0.000	103746	4.30	
30 Acetophenone	105	6.767	6.767	0.000	134824	4.88	
17 Benzaldehyde	105	6.767	6.767	0.000	134824	4.88	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.796	6.796	0.000	73526	5.01	5
28 3 & 4 Methylphenol	108	6.825	6.825	0.000	96317	4.97	
31 Hexachloroethane	117	6.839	6.839	0.000	47453	4.66	
32 Nitrobenzene	77	6.935	6.935	0.000	116970	5.35	5
33 Isophorone	82	7.200	7.200	0.000	191876	4.90	
34 2-Nitrophenol	139	7.272	7.272	0.000	49358	5.03	5
35 2,4-Dimethylphenol	107	7.363	7.363	0.000	106947	5.48	5
36 Benzoic acid	105	7.455	7.455	0.000	15103	5.01	5M
37 Bis(2-chloroethoxy)methane	93	7.455	7.455	0.000	113244	4.99	
38 2,4-Dichlorophenol	162	7.522	7.522	0.000	73005	4.91	
39 1,2,4-Trichlorobenzene	180	7.594	7.594	0.000	88271	4.58	
41 Naphthalene	128	7.661	7.661	0.000	308374	4.63	
40 Alpha-Terpineol	59	7.710	7.710	0.000	73138	5.26	5
42 4-Chloroaniline	127	7.743	7.743	0.000	120228	5.49	5
43 Hexachlorobutadiene	225	7.811	7.811	0.000	50399	4.78	
44 Caprolactam	55	8.065	8.065	0.000	27908	5.06	5
45 4-Chloro-3-methylphenol	107	8.253	8.253	0.000	86823	4.99	
46 2-Methylnaphthalene	142	8.359	8.359	0.000	200088	4.83	
47 1-Methylnaphthalene	142	8.450	8.450	0.000	194764	4.79	
48 Hexachlorocyclopentadiene	237	8.522	8.522	0.000	34776	5.07	5
49 1,2,4,5-Tetrachlorobenzene	216	8.527	8.527	0.000	74418	4.70	
50 2,4,6-Trichlorophenol	196	8.652	8.652	0.000	46952	4.89	5
51 2,4,5-Trichlorophenol	196	8.681	8.681	0.000	48969	4.90	
52 1,1'-Biphenyl	154	8.825	8.825	0.000	225668	4.61	
53 2-Chloronaphthalene	162	8.830	8.830	0.000	237382	4.69	
54 Phenyl ether	170	8.936	8.936	0.000	118920	4.64	
68 4-Nitroaniline	138	8.945	8.945	0.000	55353	4.92	
56 Dimethyl phthalate	163	9.152	9.152	0.000	205319	4.86	
63 2,4-Dinitrotoluene	165	9.200	9.200	0.000	45920	4.83	
58 Acenaphthylene	152	9.224	9.224	0.000	286518	5.16	5
61 Acenaphthene	153	9.397	9.397	0.000	180863	4.54	
60 2,4-Dinitrophenol	184	9.465	9.465	0.000	9260	8.02	5
62 4-Nitrophenol	109	9.542	9.542	0.000	25994	5.00	5
64 Dibenzofuran	168	9.571	9.571	0.000	246893	4.62	
57 2,6-Dinitrotoluene	165	9.590	9.590	0.000	55537	4.90	
65 2,3,4,6-Tetrachlorophenol	232	9.700	9.700	0.000	35605	4.84	
66 Diethyl phthalate	149	9.845	9.845	0.000	216154	5.12	5
69 Fluorene	166	9.902	9.902	0.000	198349	4.88	
67 4-Chlorophenyl phenyl ether	204	9.926	9.926	0.000	90394	4.52	
59 3-Nitroaniline	138	9.936	9.936	0.000	34926	4.85	
70 4,6-Dinitro-2-methylphenol	198	9.979	9.979	0.000	19334	5.11	5
72 N-Nitrosodiphenylamine	169	10.042	10.042	0.000	164501	5.19	5
71 Diphenylamine	169	10.042	10.042	0.000	164501	5.19	5
74 Azobenzene	77	10.075	10.075	0.000	356863	4.97	
73 1,2-Diphenylhydrazine	77	10.075	10.075	0.000	356863	4.97	
13 Benzophenone	105	10.090	10.090	0.000	209645	4.95	
75 4-Bromophenyl phenyl ether	248	10.393	10.393	0.000	48776	4.80	
55 2-Nitroaniline	65	10.393	10.393	0.000	7933	4.52	
76 Hexachlorobenzene	284	10.436	10.436	0.000	52697	4.57	
77 Atrazine	200	10.590	10.590	0.000	49176	4.93	
78 Pentachlorophenol	266	10.638	10.638	0.000	19998	5.14	5
79 Pentachloronitrobenzene	237	10.648	10.648	0.000	23034	5.01	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.826	10.826	0.000	255362	4.55	
81 Anthracene	178	10.874	10.874	0.000	242169	5.35	5
83 Carbazole	167	11.047	11.047	0.000	205095	5.22	5
84 Di-n-butyl phthalate	149	11.446	11.446	0.000	316342	4.96	
87 Fluoranthene	202	11.980	11.980	0.000	223633	5.39	5
86 Benzidine	184	12.143	12.143	0.000	41815	4.93	
85 Pyrene	202	12.191	12.191	0.000	239187	4.72	
89 Butyl benzyl phthalate	149	12.893	12.893	0.000	116573	4.92	
93 Benzo[a]anthracene	228	13.365	13.365	0.000	149954	5.01	5
91 3,3'-Dichlorobenzidine	252	13.365	13.365	0.000	45582	4.87	
94 Chrysene	228	13.394	13.394	0.000	154498	4.61	
92 Bis(2-ethylhexyl) phthalate	149	13.475	13.475	0.000	158170	4.75	
95 Di-n-octyl phthalate	149	14.091	14.091	0.000	181724	5.00	
97 Benzo[b]fluoranthene	252	14.365	14.365	0.000	152034	5.00	
98 Benzo[k]fluoranthene	252	14.389	14.389	0.000	127465	5.00	5
99 Benzo[a]pyrene	252	14.653	14.653	0.000	96787	5.00	
100 Indeno[1,2,3-cd]pyrene	276	15.610	15.610	0.000	91492	5.00	
101 Dibenz(a,h)anthracene	278	15.630	15.630	0.000	73837	5.00	
102 Benzo[g,h,i]perylene	276	15.817	15.817	0.000	81849	5.00	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 13:24:29 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03040.D

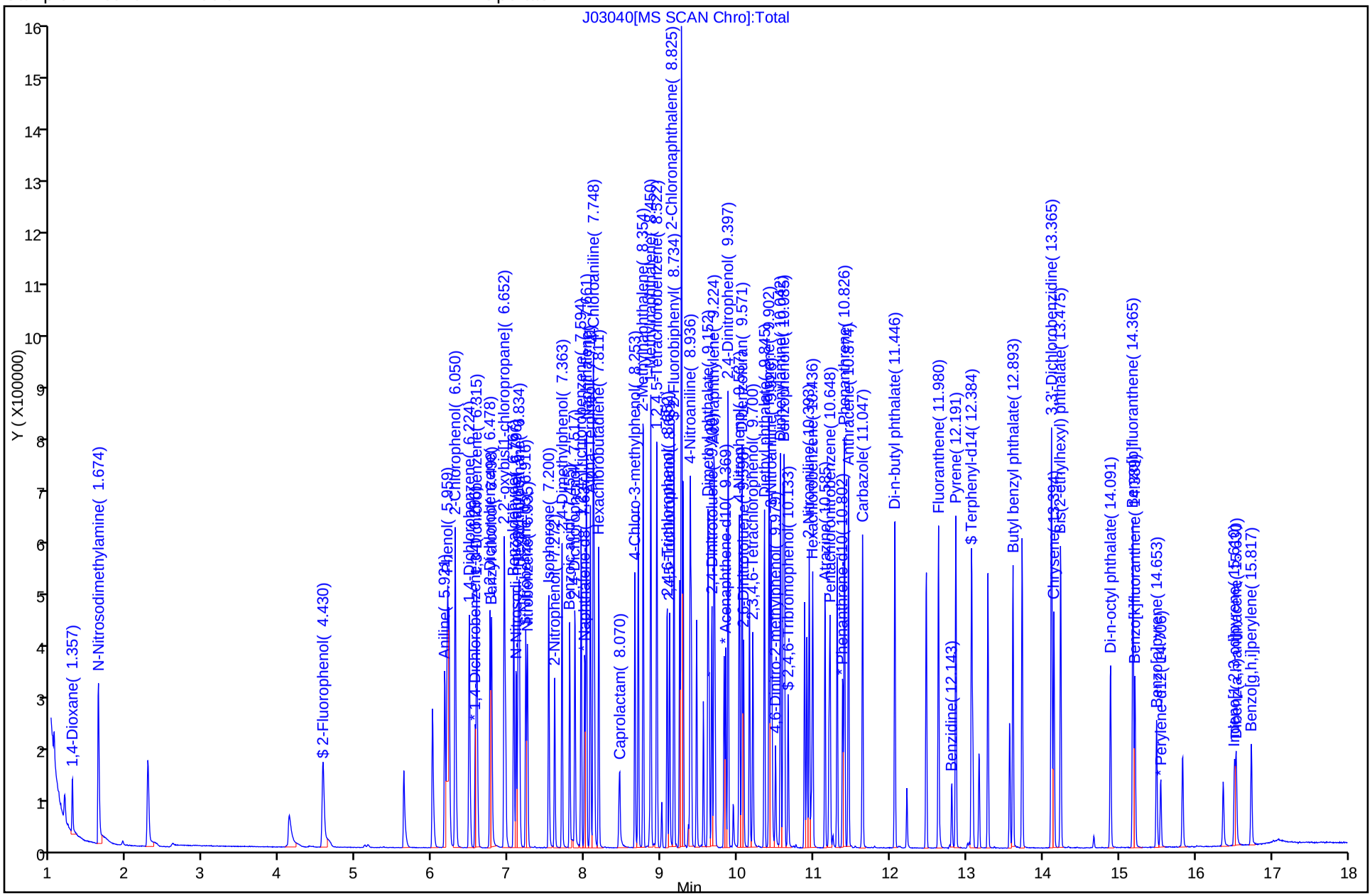
Inj Date: 21-Sep-2009 15:23:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 2

Client ID: Instrument: Inst. J

Sample Info: 5PPM

Sample Amount: 1.00 ul Operator:



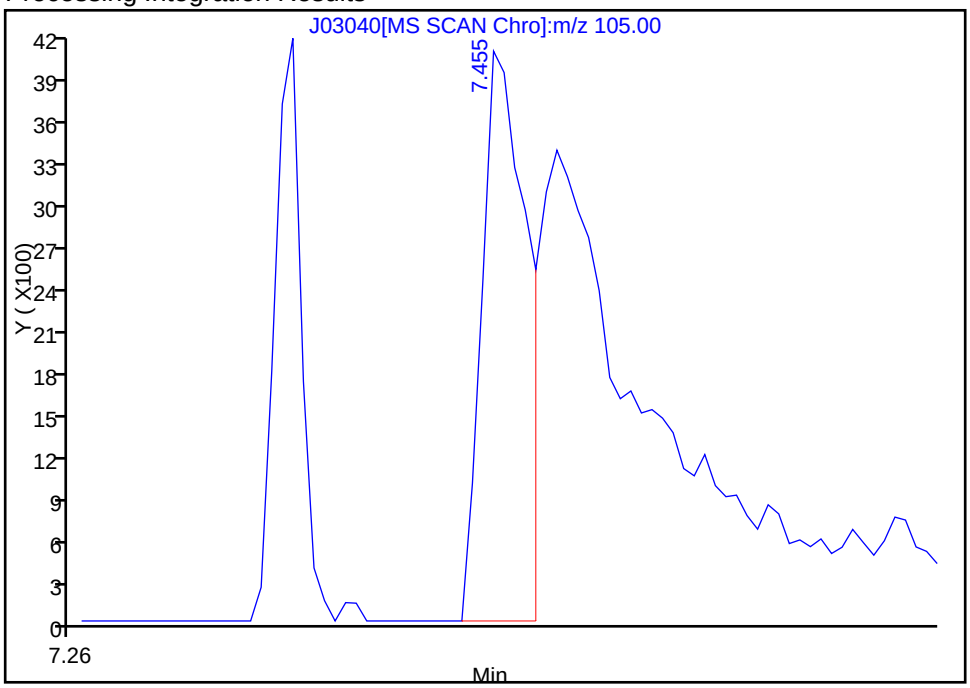
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03040.D		
Inj Date:	21-Sep-2009 15:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	5PPM		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.45

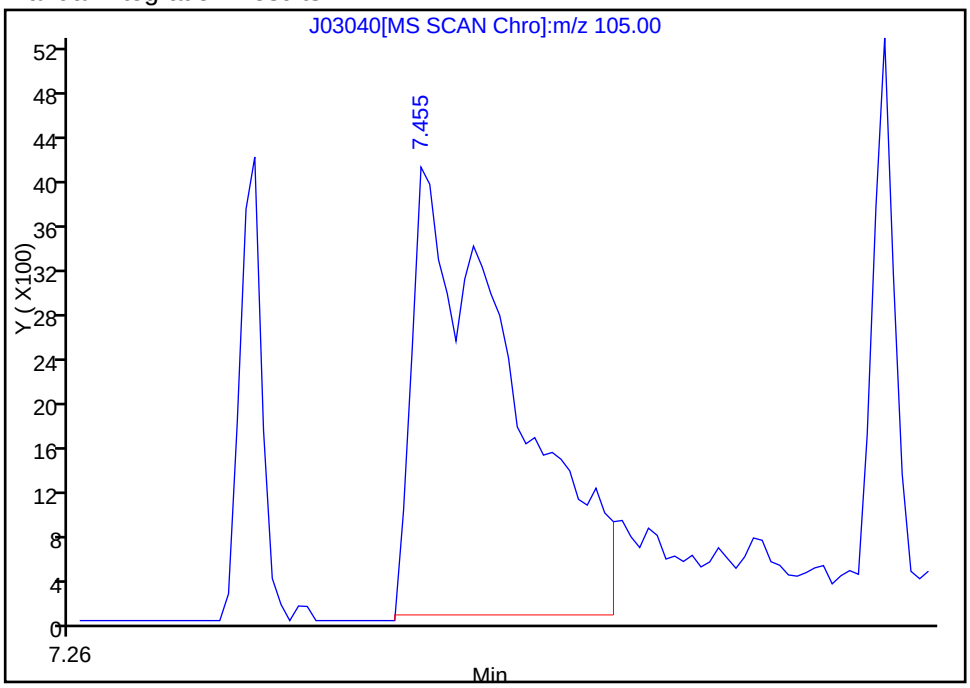
Processing Integration Results

RT: 7.45
Response: 5802
Amount: 5.003514



Manual Integration Results

RT: 7.45
Response: 15103
Amount: 5.007420



Reviewer: sullivanp, 23-Sep-2009 13:24:28
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Lims ID:	std01	Client ID:	
Inject. Date:	21-Sep-2009 15:50:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	0.1PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49259	Lims Sample ID:	3
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:22:16	Calib Date:	21-Sep-2009 17:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:22:16

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.298	6.296	0.002	57629	2.00	
* 2 Naphthalene-d8	136	7.640	7.637	0.003	142286	2.00	
* 3 Acenaphthene-d10	164	9.366	9.369	-0.003	66065	2.00	
* 4 Phenanthrene-d10	188	10.804	10.802	0.002	97308	2.00	
* 5 Chrysene-d12	240	13.372	13.369	0.003	50401	2.00	
* 6 Perylene-d12	264	14.709	14.706	0.003	26369	2.00	
$ 7 2-Fluorophenol	112	4.447	4.430	0.017	792	0.0987	
$ 8 Phenol-d5	99	5.967	5.959	0.008	1994	0.0940	
$ 9 Nitrobenzene-d5	82	6.924	6.916	0.008	1875	0.0889	
$ 10 2-Fluorobiphenyl	172	8.737	8.734	0.003	4505	0.1050	
$ 11 2,4,6-Tribromophenol	330	10.136	10.136	0.000	218	0.1894	M
$ 12 Terphenyl-d14	244	12.386	12.386	0.000	2291	0.1074	M
14 1,4-Dioxane	88	1.365	1.357	0.008	2446	0.1147	
15 N-Nitrosodimethylamine	74	1.696	1.674	0.022	784	0.0881	
19 Aniline	93	5.928	5.921	0.007	2733	0.1044	
18 Phenol	94	5.981	5.978	0.003	2064	0.0892	
20 Bis(2-chloroethyl)ether	93	6.063	6.050	0.013	2089	0.1054	
21 2-Chlorophenol	128	6.058	6.050	0.008	1851	0.0982	
22 1,4-Dichlorobenzene	146	6.226	6.224	0.002	2334	0.1022	
23 1,3-Dichlorobenzene	146	6.318	6.315	0.003	2636	0.1109	
25 1,2-Dichlorobenzene	146	6.481	6.478	0.003	2690	0.1177	
24 Benzyl alcohol	79	6.505	6.498	0.007	1054	0.0805	
26 2-Methylphenol	108	6.654	6.652	0.002	1463	0.0913	
27 2,2'-oxybis[1-chloropropane]	45	6.669	6.666	0.003	2275	0.1109	
30 Acetophenone	105	6.775	6.767	0.008	2179	0.0929	
17 Benzaldehyde	105	6.775	6.767	0.008	2179	0.0929	
29 N-Nitrosodi-n-propylamine	70	6.803	6.796	0.007	1119	0.0897	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	6.827	6.825	0.002	1418	0.0861	
31 Hexachloroethane	117	6.842	6.839	0.003	813	0.0940	
32 Nitrobenzene	77	6.943	6.935	0.008	1772	0.0828	
33 Isophorone	82	7.203	7.200	0.003	2625	0.1186	
34 2-Nitrophenol	139	7.279	7.272	0.007	492	0.1313	
35 2,4-Dimethylphenol	107	7.361	7.363	-0.002	1647	0.0862	
37 Bis(2-chloroethoxy)methane	93	7.457	7.455	0.002	1961	0.0882	
38 2,4-Dichlorophenol	162	7.525	7.522	0.003	981	0.1197	
39 1,2,4-Trichlorobenzene	180	7.597	7.594	0.003	2015	0.1068	
41 Naphthalene	128	7.659	7.661	-0.002	6724	0.1031	
40 Alpha-Terpineol	59	7.707	7.710	-0.003	940	0.1057	
42 4-Chloroaniline	127	7.746	7.743	0.003	1761	0.0822	
43 Hexachlorobutadiene	225	7.813	7.811	0.003	1021	0.0989	
45 4-Chloro-3-methylphenol	107	8.256	8.253	0.003	873	0.1252	
46 2-Methylnaphthalene	142	8.357	8.359	-0.002	3946	0.0974	
47 1-Methylnaphthalene	142	8.448	8.450	-0.002	3862	0.0970	
48 Hexachlorocyclopentadiene	237	8.525	8.522	0.003	150	0.1293	
49 1,2,4,5-Tetrachlorobenzene	216	8.525	8.527	-0.002	1552	0.1000	
50 2,4,6-Trichlorophenol	196	8.650	8.652	-0.002	470	0.1256	
51 2,4,5-Trichlorophenol	196	8.684	8.684	0.000	397	0.1180	M
52 1,1'-Biphenyl	154	8.828	8.825	0.003	4544	0.1008	
53 2-Chloronaphthalene	162	8.828	8.830	-0.002	4484	0.0963	
54 Phenyl ether	170	8.934	8.936	-0.002	2515	0.1002	
68 4-Nitroaniline	138	8.948	8.945	0.003	602	0.1318	
56 Dimethyl phthalate	163	9.150	9.152	-0.002	3552	0.0913	
63 2,4-Dinitrotoluene	165	9.198	9.200	-0.002	461	0.1207	
58 Acenaphthylene	152	9.227	9.224	0.003	4234	0.0827	
61 Acenaphthene	153	9.400	9.397	0.003	3863	0.1052	
64 Dibenzofuran	168	9.568	9.571	-0.003	4963	0.1008	
57 2,6-Dinitrotoluene	165	9.588	9.590	-0.002	374	0.1494	
65 2,3,4,6-Tetrachlorophenol	232	9.708	9.700	0.008	186	0.1288	
66 Diethyl phthalate	149	9.843	9.845	-0.002	3703	0.0952	
69 Fluorene	166	9.905	9.902	0.003	3628	0.0969	
67 4-Chlorophenyl phenyl ether	204	9.924	9.926	-0.002	1940	0.1054	
59 3-Nitroaniline	138	9.939	9.936	0.003	118	0.1243	
72 N-Nitrosodiphenylamine	169	10.045	10.042	0.003	2415	0.0856	
71 Diphenylamine	169	10.045	10.042	0.003	2415	0.0856	
74 Azobenzene	77	10.078	10.075	0.003	4401	0.1047	
73 1,2-Diphenylhydrazine	77	10.078	10.075	0.003	4401	0.1047	
13 Benzophenone	105	10.088	10.090	-0.002	2653	0.1049	
75 4-Bromophenyl phenyl ether	248	10.396	10.393	0.003	933	0.1032	
76 Hexachlorobenzene	284	10.439	10.436	0.003	1121	0.1092	
77 Atrazine	200	10.583	10.590	-0.007	471	0.1285	
79 Pentachloronitrobenzene	237	10.655	10.648	0.007	168	0.1324	
80 Phenanthrene	178	10.828	10.826	0.002	5374	0.1075	
81 Anthracene	178	10.876	10.874	0.002	3257	0.0809	
83 Carbazole	167	11.050	11.047	0.003	2925	0.0837	
84 Di-n-butyl phthalate	149	11.444	11.446	-0.002	4763	0.1336	
87 Fluoranthene	202	11.982	11.980	0.002	3227	0.0874	
85 Pyrene	202	12.194	12.191	0.003	3493	0.1012	
89 Butyl benzyl phthalate	149	12.891	12.893	-0.002	870	0.1146	
93 Benzo[a]anthracene	228	13.367	13.365	0.002	2397	0.1131	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
91 3,3'-Dichlorobenzidine	252	13.367	13.367	0.000	240	0.2478	M
94 Chrysene	228	13.396	13.394	0.002	3571	0.1000	
92 Bis(2-ethylhexyl) phthalate	149	13.478	13.478	0.000	1695	0.2116	M
95 Di-n-octyl phthalate	149	14.089	14.089	0.000	1249	0.1000	M
97 Benzo[b]fluoranthene	252	14.368	14.365	0.003	1686	0.1019	
98 Benzo[k]fluoranthene	252	14.387	14.389	-0.002	1356	0.0998	
99 Benzo[a]pyrene	252	14.656	14.653	0.003	673	0.1000	
100 Indeno[1,2,3-cd]pyrene	276	15.608	15.608	0.000	619	0.1000	M
101 Dibenz(a,h)anthracene	278	15.632	15.632	0.000	381	0.1000	M
102 Benzo[g,h,i]perylene	276	15.820	15.820	0.000	820	0.0968	M

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 14:22:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D

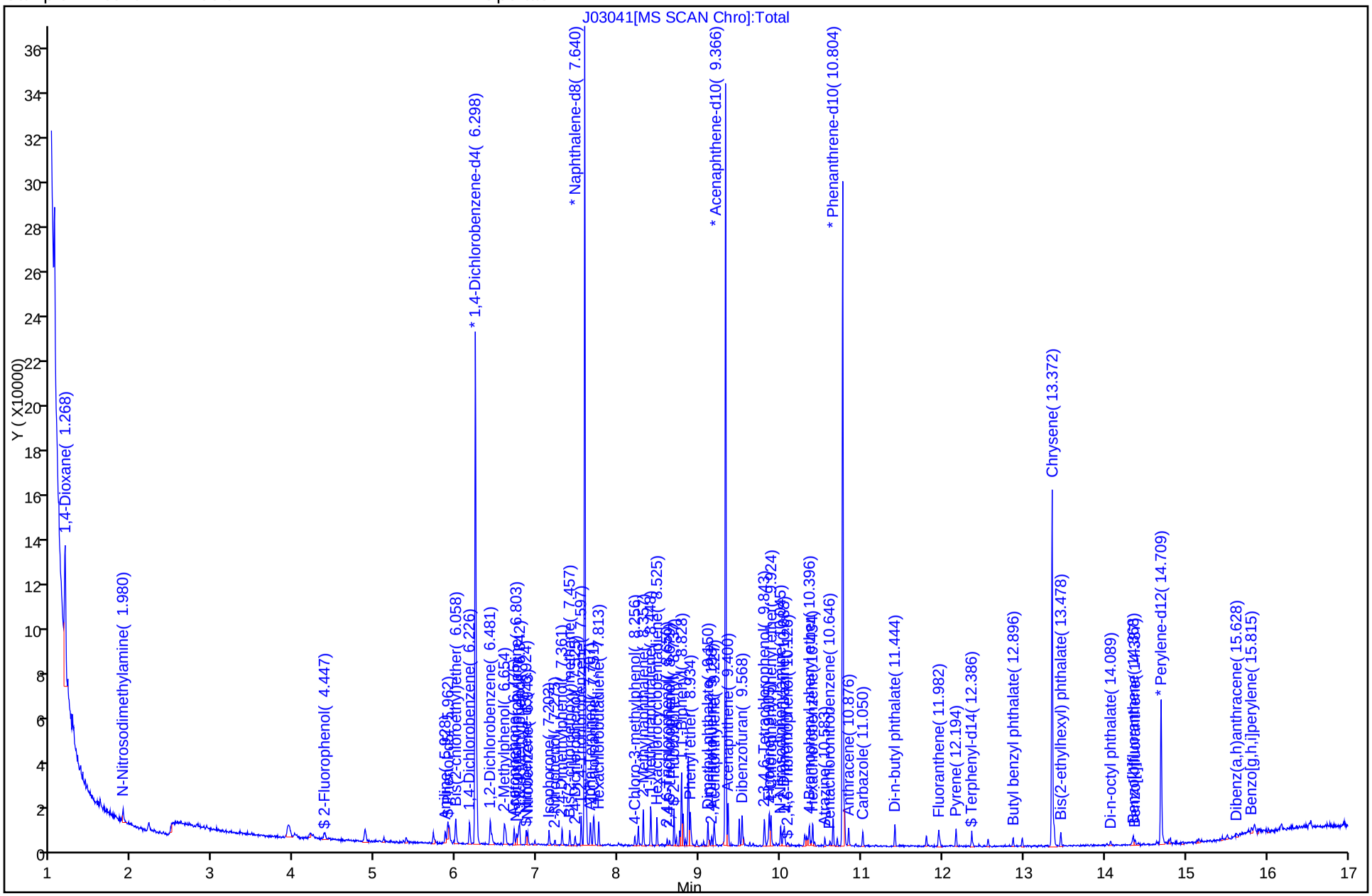
Inj Date: 21-Sep-2009 15:50:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 3

Client ID: Instrument: Inst. J

Sample Info: 0.1PPM

Sample Amount: 1.00 ul Operator:



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

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

100 Indeno[1,2,3-cd]pyrene, Number: 1, m/z: 276 Type: quant, RT: 15.61

Processing Integration Results

Not Detected

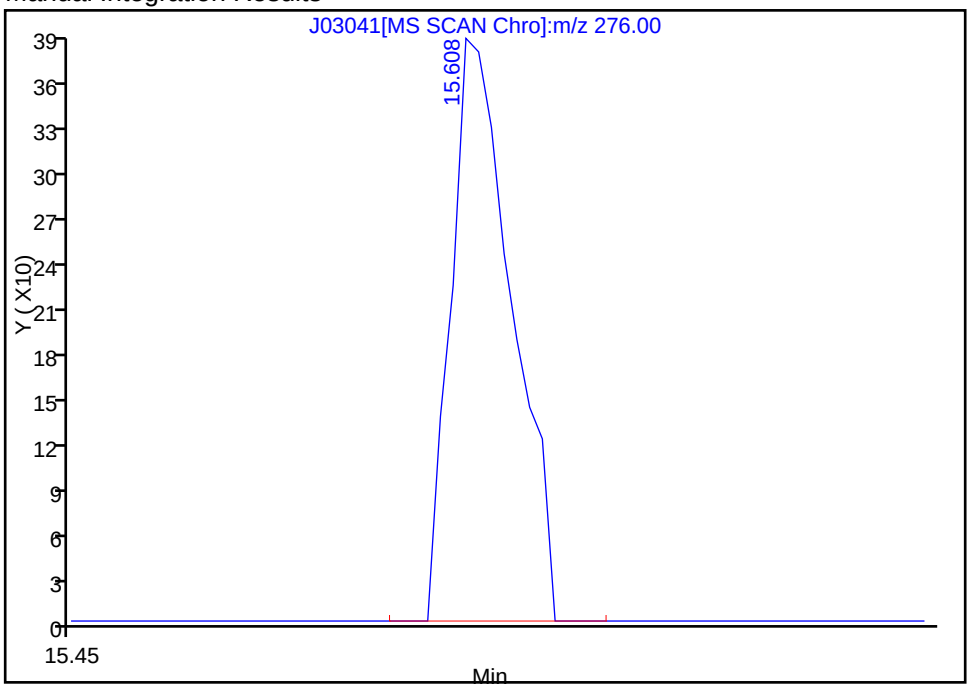
Expected RT: 15.61

Manual Integration Results

RT: 15.61

Response: 619

Amount: 0.100000



Reviewer: sullivanp, 23-Sep-2009 14:22:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

$ 11 2,4,6-Tribromophenol, Number: 1, m/z: 329.65 Type: quant, RT: 10.14

Processing Integration Results

Not Detected

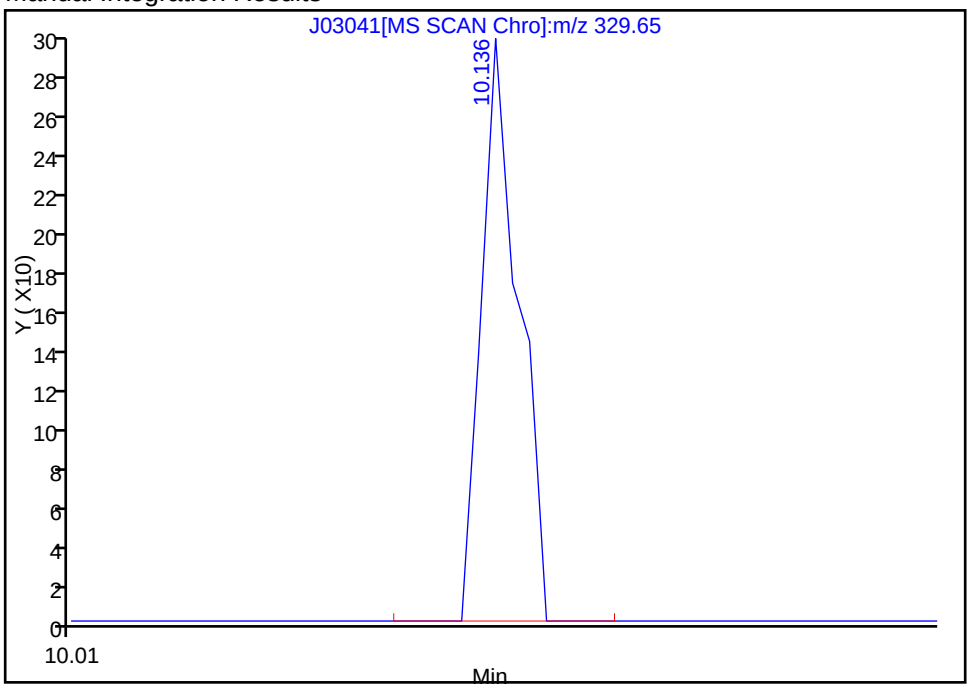
Expected RT: 10.14

Manual Integration Results

RT: 10.14

Response: 218

Amount: 0.189435



Reviewer: sullivanp, 23-Sep-2009 14:22:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

92 Bis(2-ethylhexyl) phthalate, Number: 1, m/z: 149 Type: quant, RT: 13.48

Processing Integration Results

Not Detected

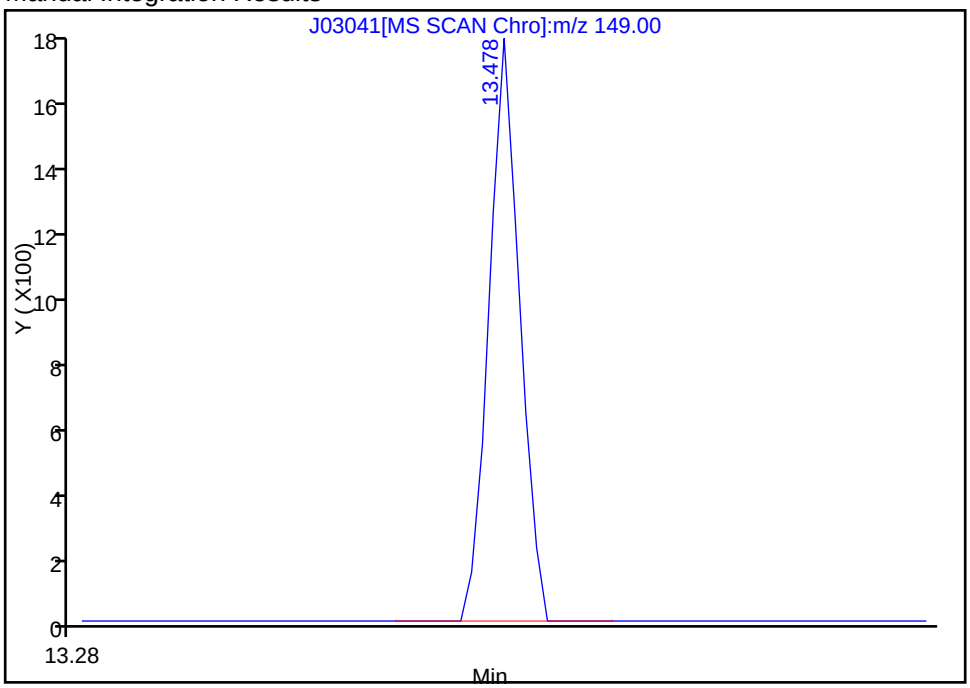
Expected RT: 13.48

Manual Integration Results

RT: 13.48

Response: 1695

Amount: 0.211563



Reviewer: sullivanp, 23-Sep-2009 14:22:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

102 Benzo[g,h,i]perylene, Number: 1, m/z: 276 Type: quant, RT: 15.82

Processing Integration Results

Not Detected

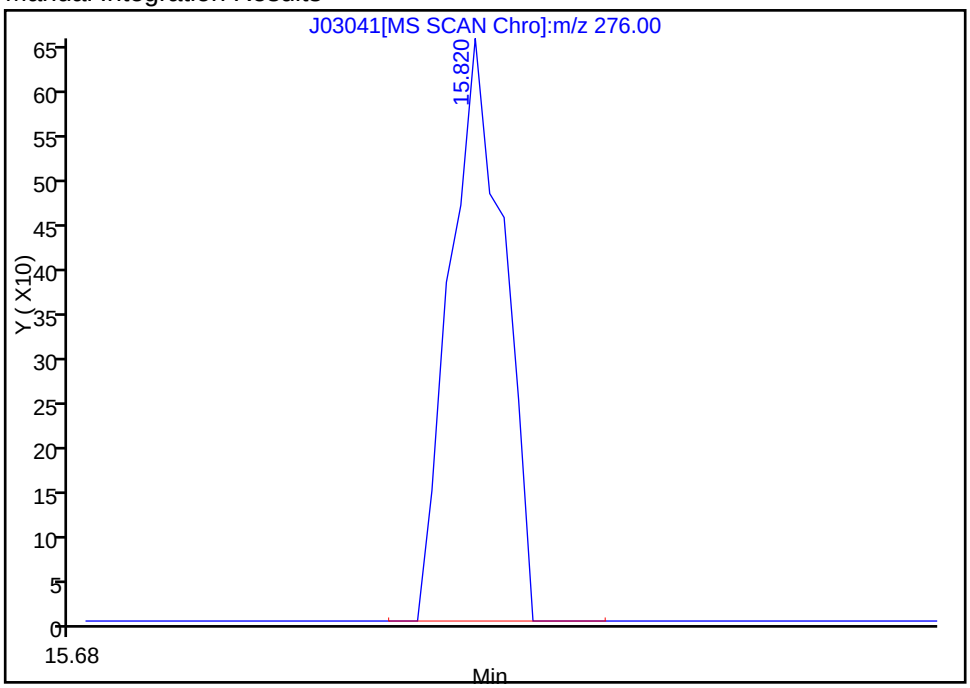
Expected RT: 15.82

Manual Integration Results

RT: 15.82

Response: 820

Amount: 0.096839



Reviewer: sullivanp, 23-Sep-2009 14:22:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

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

Processing Integration Results

Not Detected

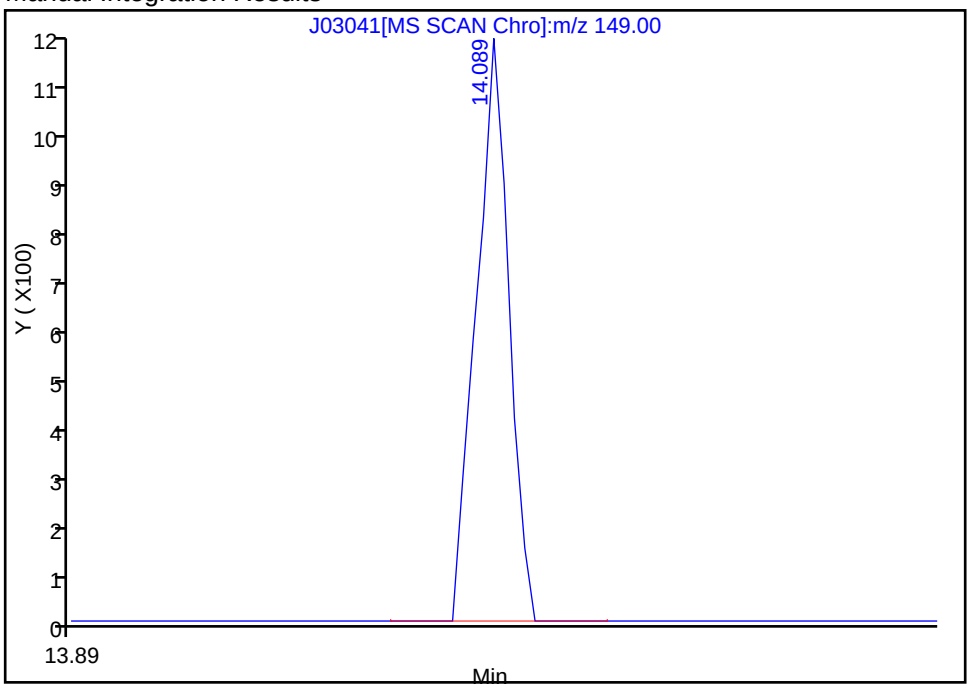
Expected RT: 14.09

Manual Integration Results

RT: 14.09

Response: 1249

Amount: 0.100000



Reviewer: sullivanp, 23-Sep-2009 14:22:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

101 Dibenz(a,h)anthracene, Number: 1, m/z: 278 Type: quant, RT: 15.63

Processing Integration Results

Not Detected

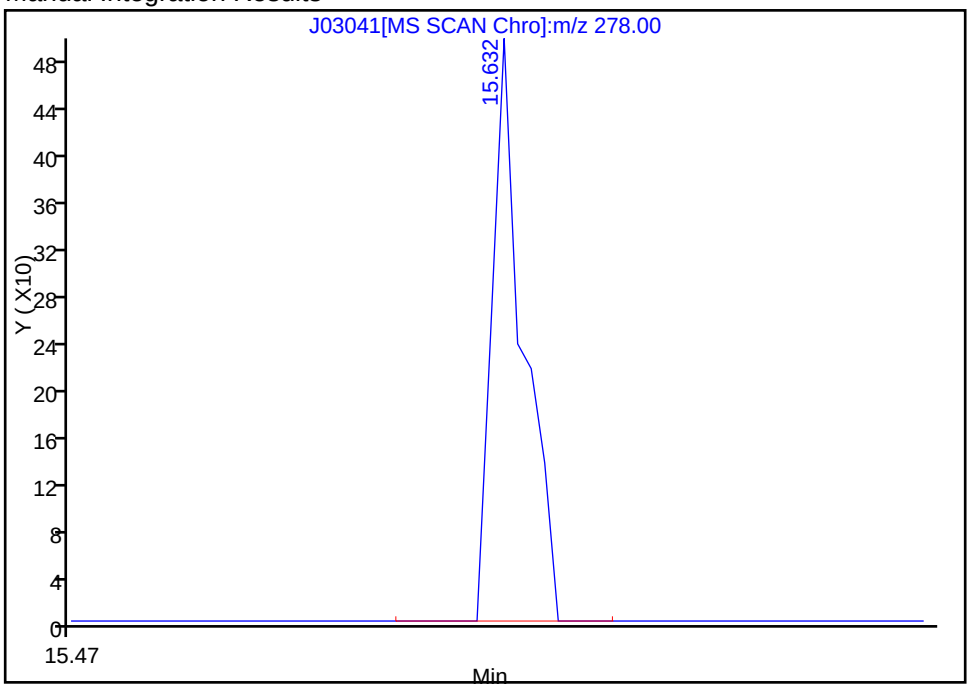
Expected RT: 15.63

Manual Integration Results

RT: 15.63

Response: 381

Amount: 0.100000



Reviewer: sullivanp, 23-Sep-2009 14:22:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

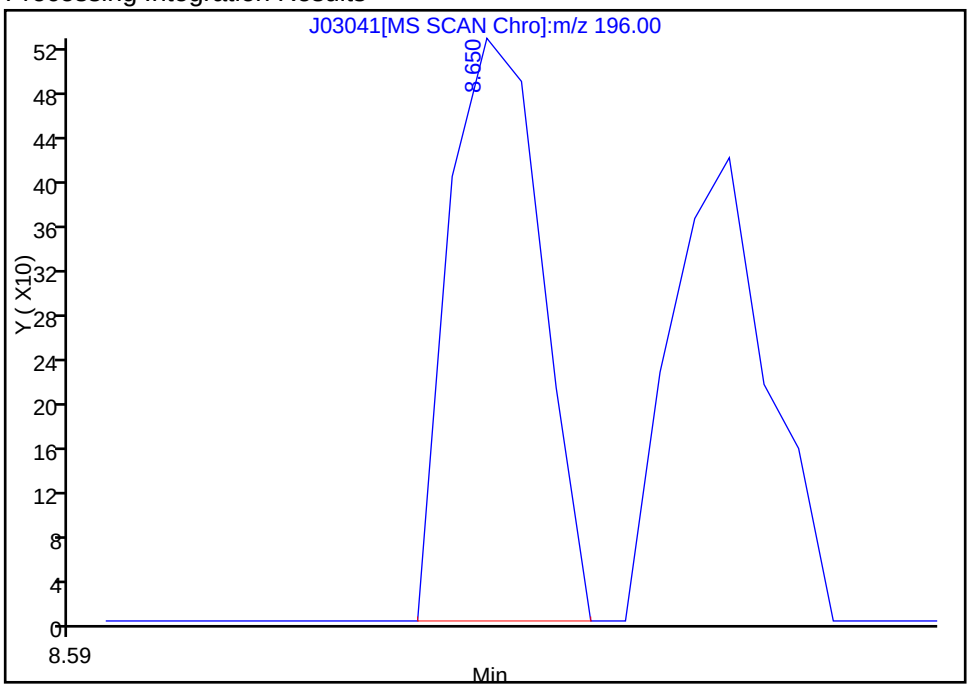
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

51 2,4,5-Trichlorophenol, Number: 1, m/z: 196 Type: quant, RT: 8.68

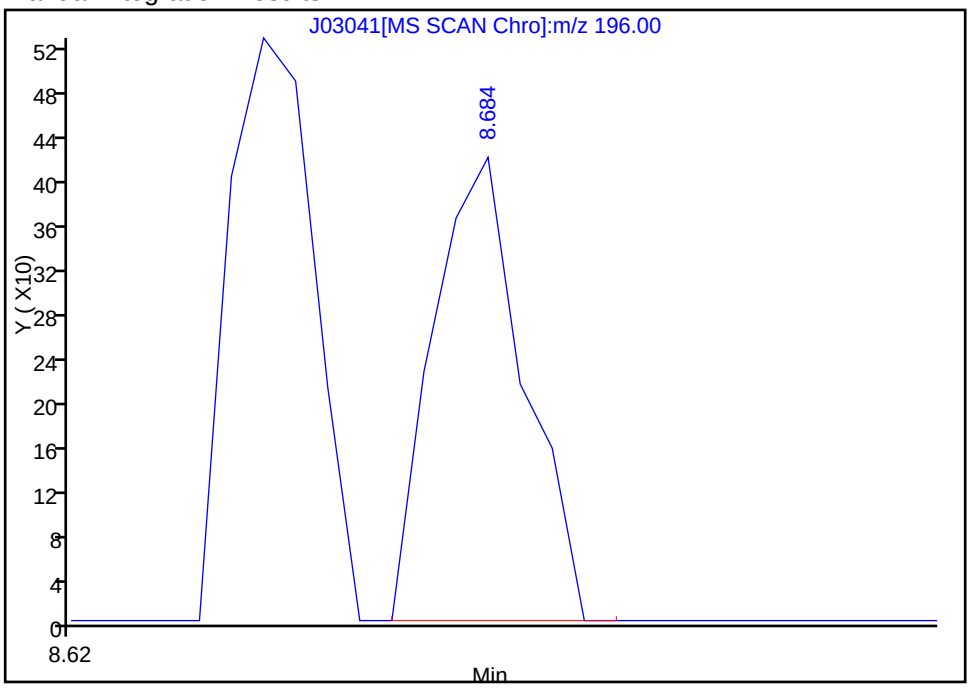
Processing Integration Results

RT: 8.65
Response: 470
Amount: 0.120812



Manual Integration Results

RT: 8.68
Response: 397
Amount: 0.118013



Reviewer: sullivanp, 23-Sep-2009 14:22:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

$ 12 Terphenyl-d14, Number: 1, m/z: 244 Type: quant, RT: 12.39

Processing Integration Results

Not Detected

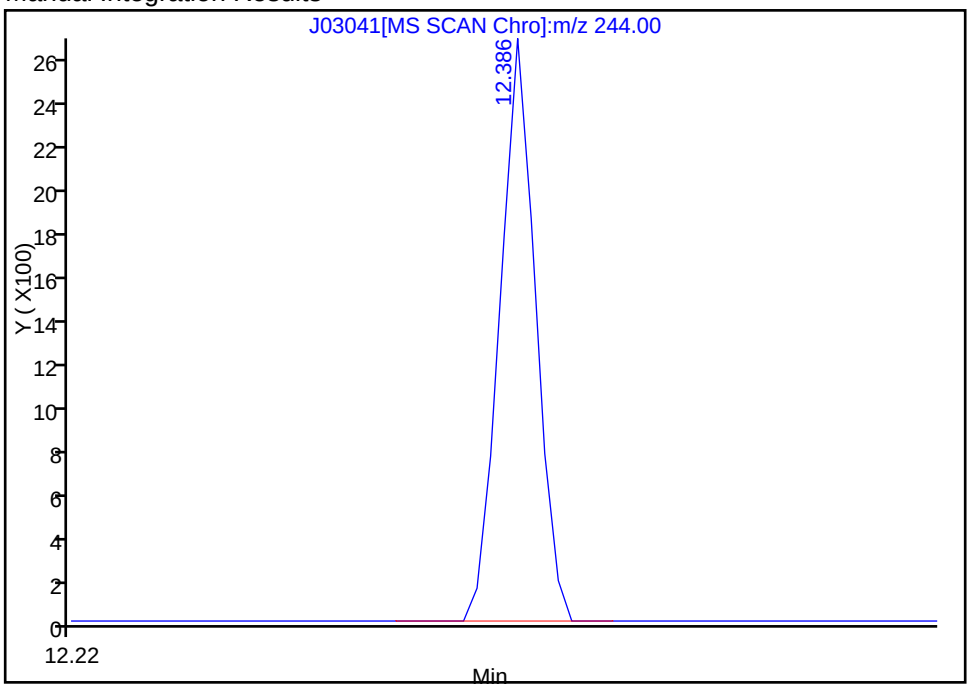
Expected RT: 12.39

Manual Integration Results

RT: 12.39

Response: 2291

Amount: 0.107432



Reviewer: sullivanp, 23-Sep-2009 14:22:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

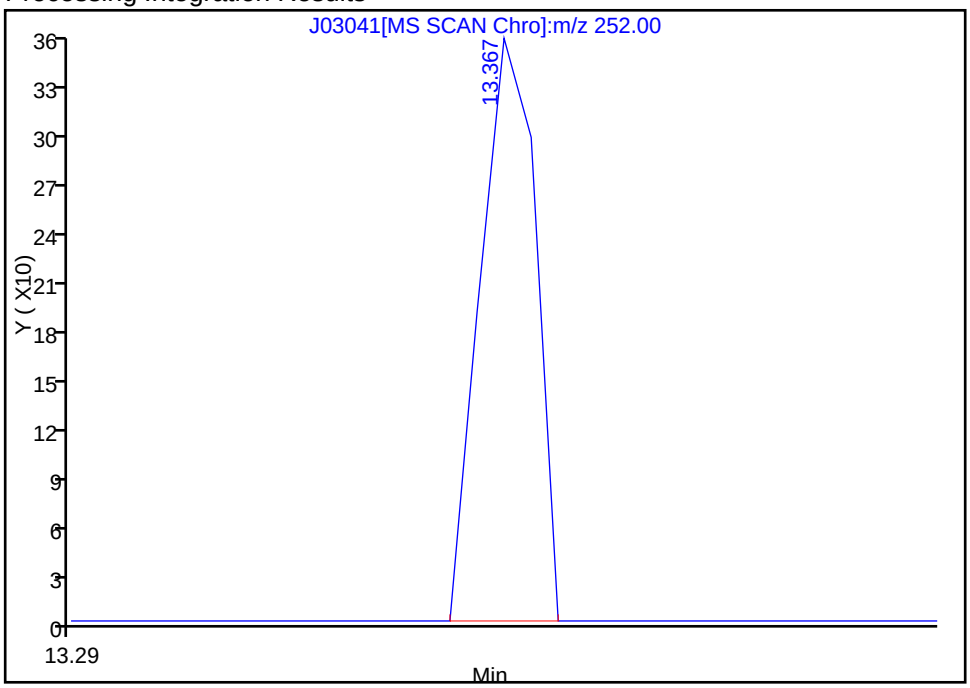
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03041.D		
Inj Date:	21-Sep-2009 15:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	3
Client ID:		Instrument:	Inst. J
Sample Info:	0.1PPM		
Sample Amount:	1.00 ul	Operator:	

91 3,3'-Dichlorobenzidine, Number: 1, m/z: 252 Type: quant, RT: 13.37

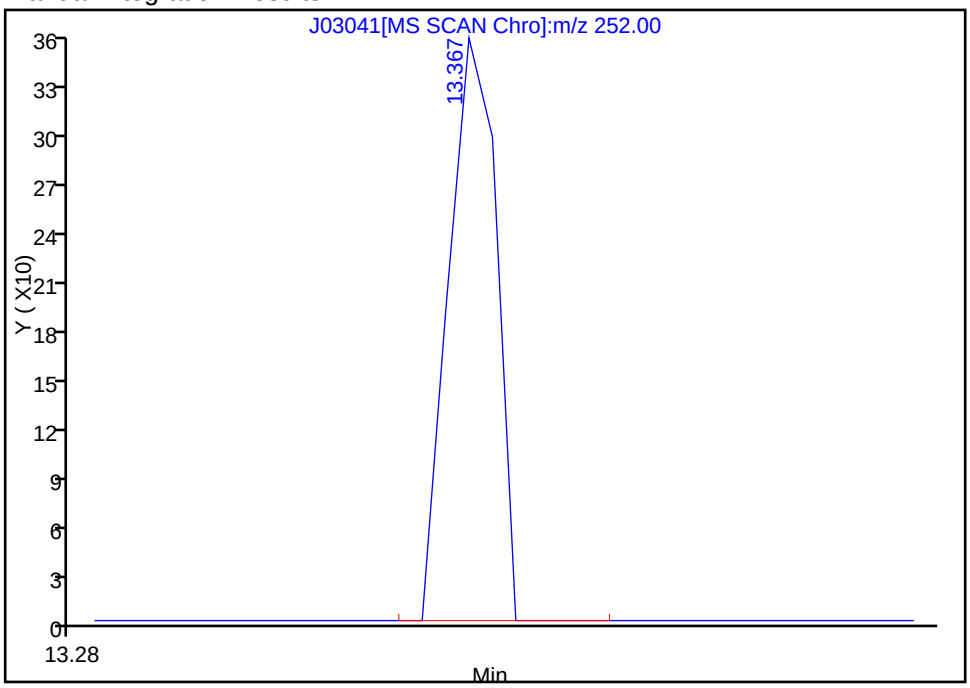
Processing Integration Results

RT: 13.37
Response: 240
Amount: 0.247781



Manual Integration Results

RT: 13.37
Response: 240
Amount: 0.247781



Reviewer: sullivanp, 23-Sep-2009 14:22:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D		
Lims ID:	std025	Client ID:	
Inject. Date:	21-Sep-2009 16:17:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	0.25PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49259	Lims Sample ID:	4
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:24:54	Calib Date:	21-Sep-2009 17:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:24:54

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.296	6.296	0.000	57543	2.00	
* 2 Naphthalene-d8	136	7.638	7.637	0.001	142864	2.00	
* 3 Acenaphthene-d10	164	9.369	9.369	0.000	66457	2.00	
* 4 Phenanthrene-d10	188	10.802	10.802	0.000	102399	2.00	
* 5 Chrysene-d12	240	13.370	13.369	0.001	54134	2.00	
* 6 Perylene-d12	264	14.707	14.706	0.001	28585	2.00	
$ 7 2-Fluorophenol	112	4.445	4.430	0.015	3318	0.2605	
$ 8 Phenol-d5	99	5.965	5.959	0.006	5066	0.2391	
$ 9 Nitrobenzene-d5	82	6.922	6.916	0.006	4707	0.2224	
$ 10 2-Fluorobiphenyl	172	8.734	8.734	0.000	11293	0.2616	
$ 11 2,4,6-Tribromophenol	330	10.139	10.136	0.003	474	0.2451	
$ 12 Terphenyl-d14	244	12.384	12.386	-0.002	6023	0.2603	
14 1,4-Dioxane	88	1.358	1.357	0.001	2933	0.1950	
16 Pyridine	79	1.723	1.670	0.053	2921	0.3055	
15 N-Nitrosodimethylamine	74	1.690	1.674	0.016	2036	0.2292	
19 Aniline	93	5.926	5.921	0.005	6252	0.2391	
18 Phenol	94	5.979	5.978	0.001	5672	0.2455	
20 Bis(2-chloroethyl)ether	93	6.061	6.050	0.011	5018	0.2536	
21 2-Chlorophenol	128	6.056	6.050	0.006	4659	0.2474	
22 1,4-Dichlorobenzene	146	6.224	6.224	0.000	5959	0.2613	
23 1,3-Dichlorobenzene	146	6.320	6.320	0.000	6268	0.2619	M
25 1,2-Dichlorobenzene	146	6.484	6.478	0.006	5996	0.2628	
24 Benzyl alcohol	79	6.503	6.498	0.005	2937	0.2246	
26 2-Methylphenol	108	6.652	6.652	0.000	3925	0.2454	
27 2,2'-oxybis[1-chloropropane]	45	6.672	6.666	0.006	5183	0.2531	
30 Acetophenone	105	6.772	6.767	0.005	5308	0.2266	
17 Benzaldehyde	105	6.772	6.767	0.005	5308	0.2266	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.801	6.796	0.005	2935	0.2355	
28 3 & 4 Methylphenol	108	6.825	6.825	0.000	4065	0.2471	
31 Hexachloroethane	117	6.840	6.839	0.001	2186	0.2530	
32 Nitrobenzene	77	6.941	6.935	0.006	4761	0.2217	
33 Isophorone	82	7.200	7.200	0.000	6776	0.2251	
34 2-Nitrophenol	139	7.277	7.272	0.005	1341	0.2177	
35 2,4-Dimethylphenol	107	7.359	7.363	-0.004	4196	0.2187	
37 Bis(2-chloroethoxy)methane	93	7.455	7.455	0.000	5282	0.2367	
38 2,4-Dichlorophenol	162	7.523	7.522	0.001	2582	0.2277	
39 1,2,4-Trichlorobenzene	180	7.595	7.594	0.001	4720	0.2492	
41 Naphthalene	128	7.662	7.661	0.001	16523	0.2524	
40 Alpha-Terpineol	59	7.710	7.710	0.000	2563	0.2233	
42 4-Chloroaniline	127	7.749	7.743	0.006	4606	0.2141	
43 Hexachlorobutadiene	225	7.811	7.811	0.001	2615	0.2523	
44 Caprolactam	55	8.052	8.052	0.000	324	0.3027	M
45 4-Chloro-3-methylphenol	107	8.254	8.253	0.001	2626	0.2260	
46 2-Methylnaphthalene	142	8.359	8.359	0.000	10239	0.2516	
47 1-Methylnaphthalene	142	8.451	8.450	0.001	9694	0.2425	
48 Hexachlorocyclopentadiene	237	8.523	8.522	0.001	856	0.2379	
49 1,2,4,5-Tetrachlorobenzene	216	8.528	8.527	0.001	3878	0.2490	
50 2,4,6-Trichlorophenol	196	8.653	8.652	0.001	1321	0.2196	
51 2,4,5-Trichlorophenol	196	8.682	8.684	-0.002	1461	0.2306	
52 1,1'-Biphenyl	154	8.826	8.825	0.001	11523	0.2541	
53 2-Chloronaphthalene	162	8.831	8.830	0.001	12260	0.2617	
54 Phenyl ether	170	8.936	8.936	0.000	6204	0.2461	
68 4-Nitroaniline	138	8.946	8.945	0.001	1563	0.2222	
56 Dimethyl phthalate	163	9.153	9.152	0.001	9090	0.2322	
63 2,4-Dinitrotoluene	165	9.196	9.200	-0.004	1228	0.2063	
58 Acenaphthylene	152	9.225	9.224	0.001	11996	0.2331	
61 Acenaphthene	153	9.398	9.397	0.001	9428	0.2553	
64 Dibenzofuran	168	9.571	9.571	0.000	12741	0.2573	
57 2,6-Dinitrotoluene	165	9.590	9.590	0.000	1048	0.2118	
65 2,3,4,6-Tetrachlorophenol	232	9.706	9.700	0.006	714	0.2045	
66 Diethyl phthalate	149	9.845	9.845	0.000	8830	0.2257	
69 Fluorene	166	9.903	9.902	0.001	9213	0.2446	
67 4-Chlorophenyl phenyl ether	204	9.922	9.926	-0.004	4613	0.2492	
59 3-Nitroaniline	138	9.937	9.936	0.001	747	0.2164	
72 N-Nitrosodiphenylamine	169	10.042	10.042	0.000	6858	0.2311	
71 Diphenylamine	169	10.042	10.042	0.000	6858	0.2311	
74 Azobenzene	77	10.076	10.075	0.001	12844	0.2261	
73 1,2-Diphenylhydrazine	77	10.076	10.075	0.001	12844	0.2261	
13 Benzophenone	105	10.086	10.090	-0.004	7552	0.2241	
75 4-Bromophenyl phenyl ether	248	10.394	10.393	0.001	2170	0.2280	
76 Hexachlorobenzene	284	10.437	10.436	0.001	2650	0.2453	
77 Atrazine	200	10.586	10.590	-0.004	1373	0.2210	
79 Pentachloronitrobenzene	237	10.648	10.648	0.000	520	0.2107	
80 Phenanthrene	178	10.826	10.826	0.000	13485	0.2563	
81 Anthracene	178	10.879	10.874	0.005	9308	0.2198	
83 Carbazole	167	11.048	11.047	0.001	8096	0.2201	
84 Di-n-butyl phthalate	149	11.447	11.446	0.001	10174	0.2192	
87 Fluoranthene	202	11.980	11.980	0.000	8413	0.2165	
85 Pyrene	202	12.192	12.191	0.001	9279	0.2503	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
89 Butyl benzyl phthalate	149	12.894	12.893	0.001	2055	0.2334	
93 Benzo[a]anthracene	228	13.365	13.365	0.000	4314	0.1991	
91 3,3'-Dichlorobenzidine	252	13.365	13.367	-0.002	550	0.2766	
94 Chrysene	228	13.394	13.394	0.000	7257	0.2460	
92 Bis(2-ethylhexyl) phthalate	149	13.476	13.476	0.000	2677	0.2484	M
95 Di-n-octyl phthalate	149	14.087	14.089	-0.002	2600	0.1844	
97 Benzo[b]fluoranthene	252	14.366	14.365	0.001	3971	0.2302	
98 Benzo[k]fluoranthene	252	14.385	14.389	-0.004	3526	0.2429	
99 Benzo[a]pyrene	252	14.654	14.653	0.001	1503	0.1915	
100 Indeno[1,2,3-cd]pyrene	276	15.611	15.608	0.003	1614	0.2058	
101 Dibenz(a,h)anthracene	278	15.630	15.632	-0.002	1333	0.2188	
102 Benzo[g,h,i]perylene	276	15.818	15.818	0.000	1751	0.2071	M

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 14:24:54 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D

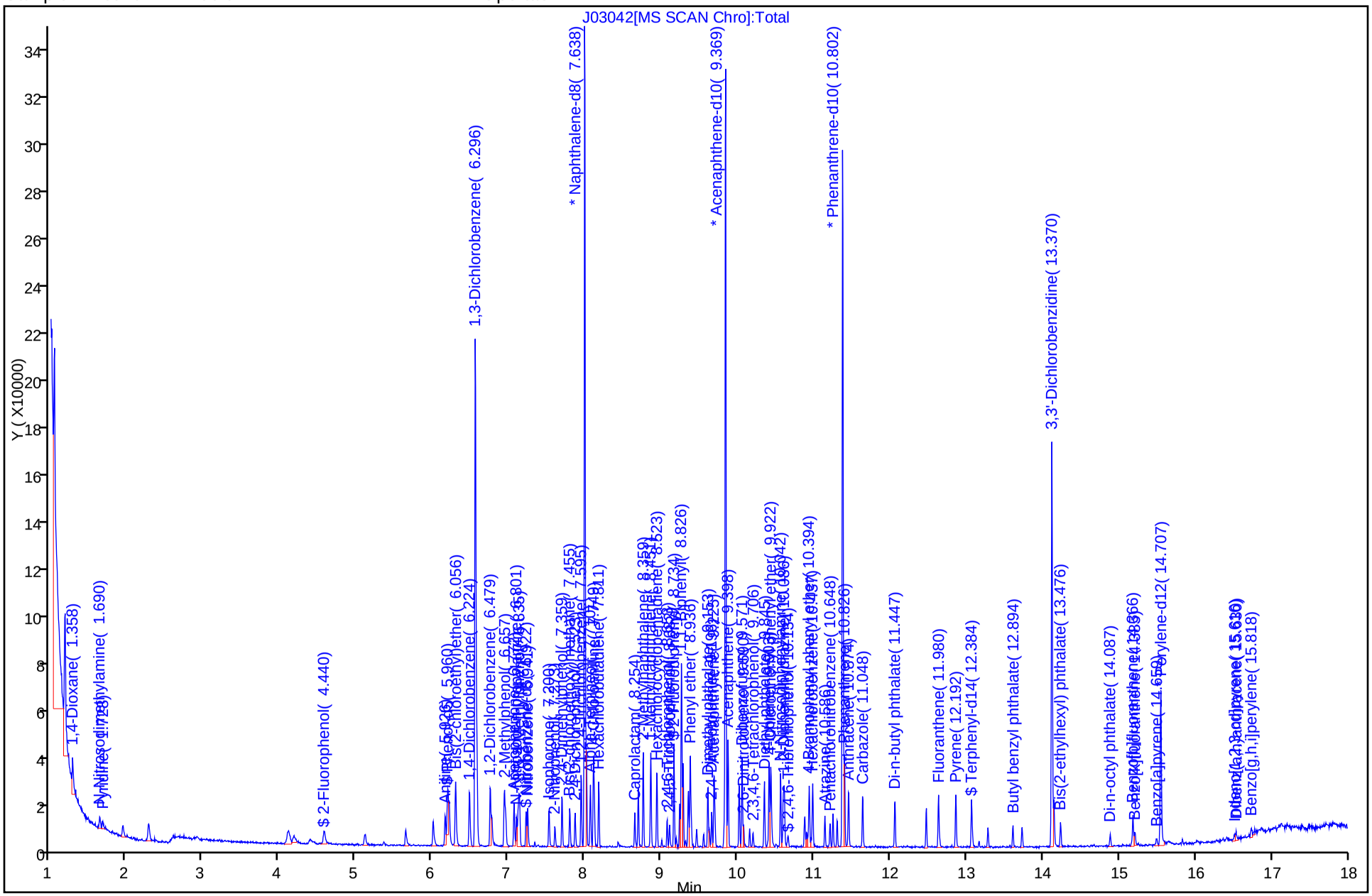
Inj Date: 21-Sep-2009 16:17:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 4

Client ID: Instrument: Inst. J

Sample Info: 0.25PPM

Sample Amount: 1.00 ul Operator:



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

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D		
Inj Date:	21-Sep-2009 16:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25PPM		
Sample Amount:	1.00 ul	Operator:	

92 Bis(2-ethylhexyl) phthalate, Number: 1, m/z: 149 Type: quant, RT: 13.48

Processing Integration Results

Not Detected

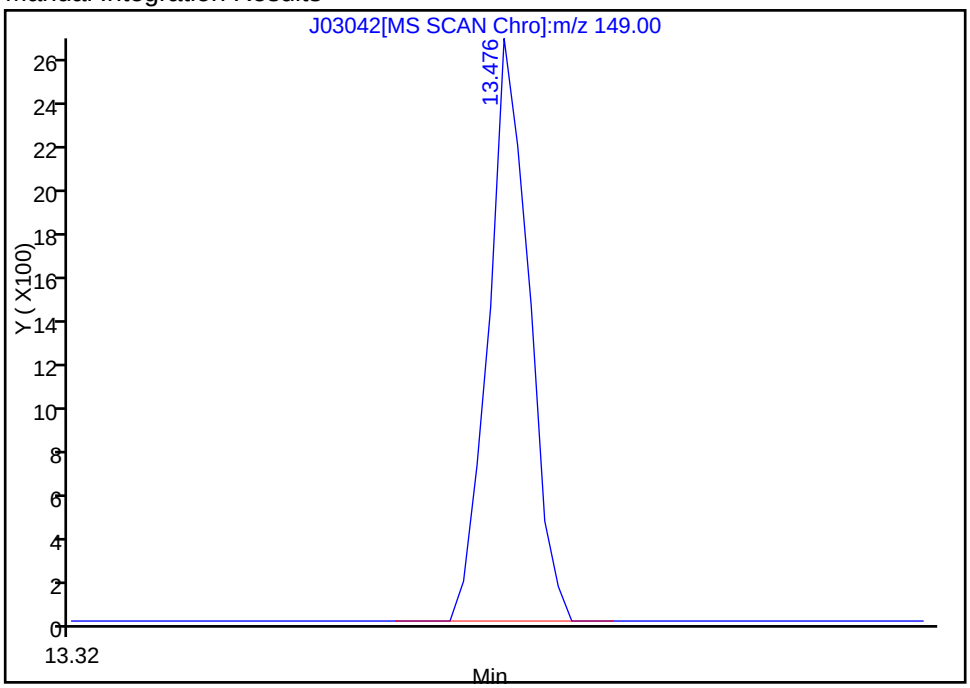
Expected RT: 13.48

Manual Integration Results

RT: 13.48

Response: 2677

Amount: 0.248356



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

Audit Action: Manually Integrated

Audit Reason: Assign Peak

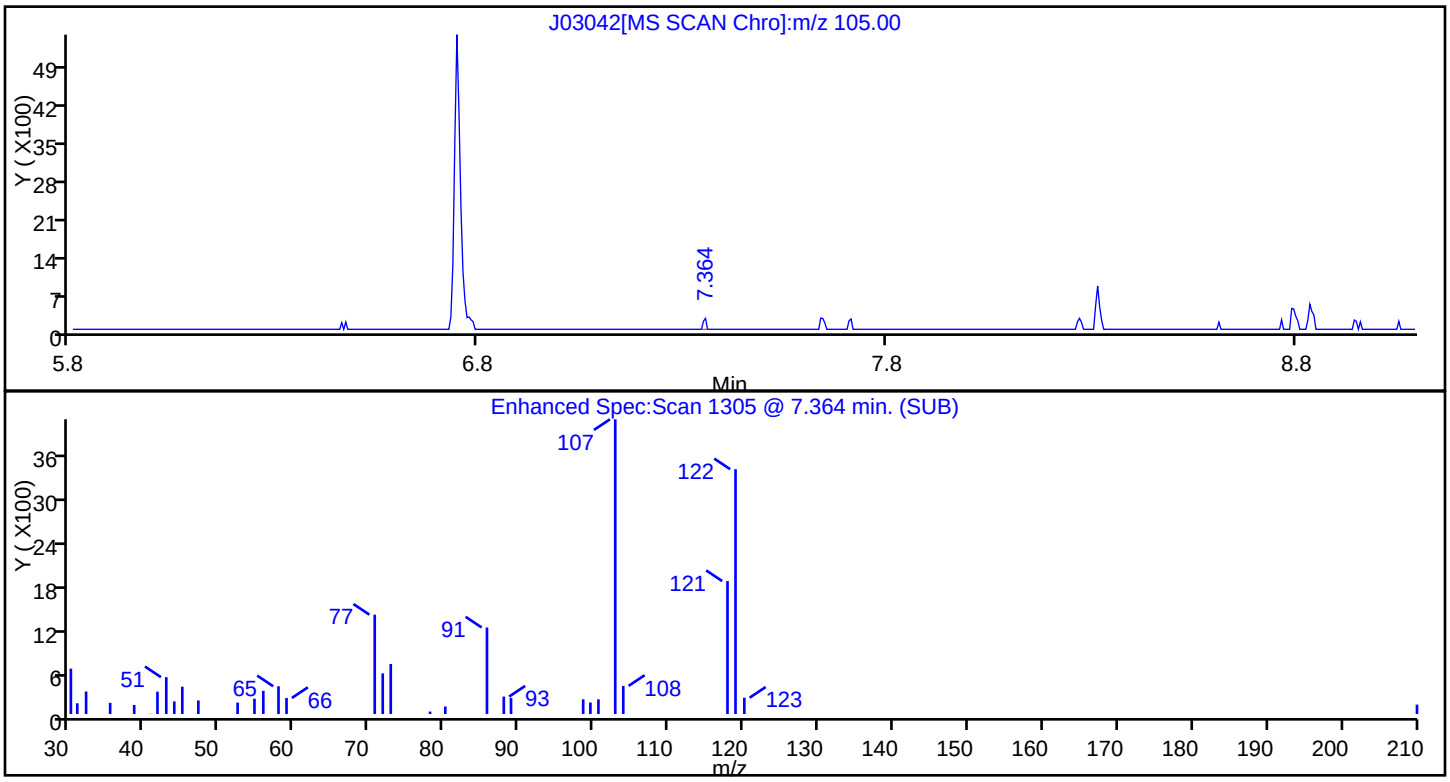
Chrom Revision: 1.1 20-Sep-2009 21:03:36

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D		
Inj Date:	21-Sep-2009 16:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25PPM		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
7.36	105.00	102	2.077647
7.36	122.00	3195	
7.36	77.00	1481	

Reviewer: sullivanp, 23-Sep-2009 14:24:54
Audit Action: Marked Compound Undetected
Audit Reason:

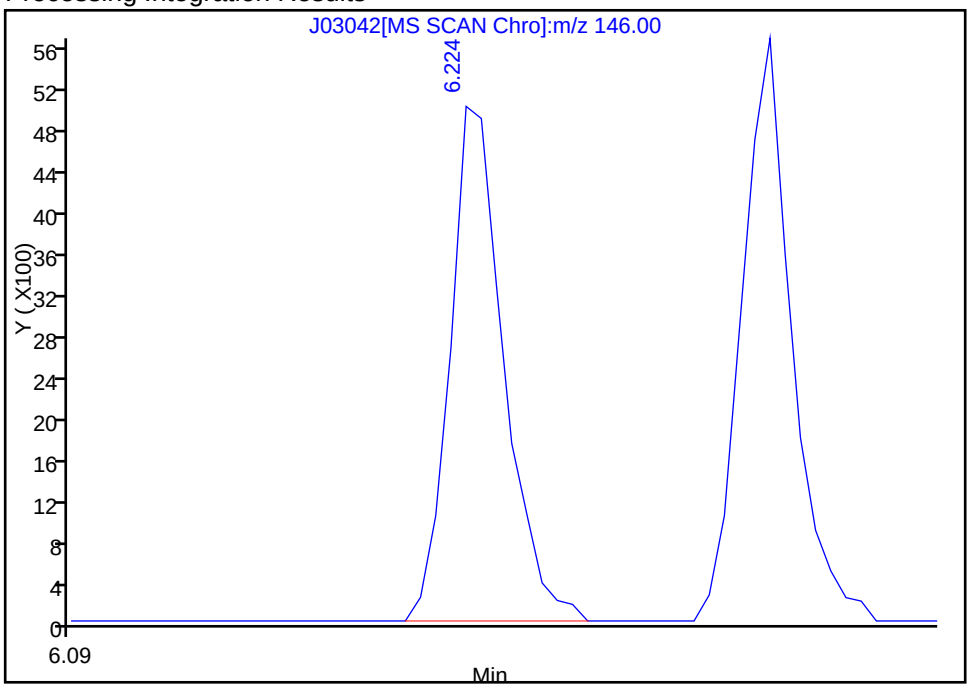
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D		
Inj Date:	21-Sep-2009 16:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25PPM		
Sample Amount:	1.00 ul	Operator:	

23 1,3-Dichlorobenzene, Number: 1, m/z: 146 Type: quant, RT: 6.32

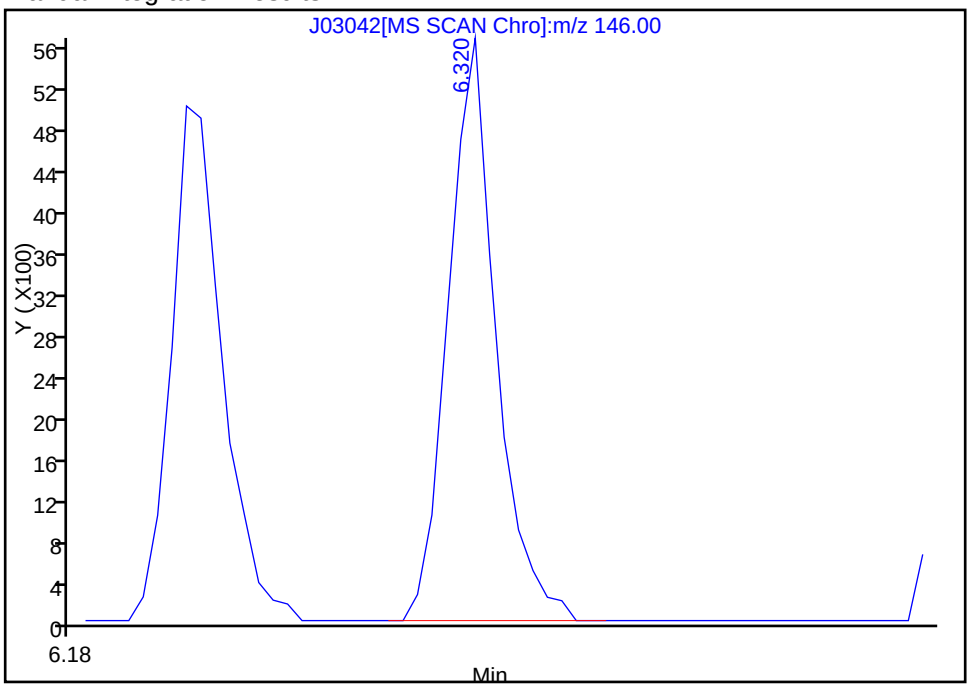
Processing Integration Results

RT: 6.22
Response: 5959
Amount: 0.251114



Manual Integration Results

RT: 6.32
Response: 6268
Amount: 0.261862



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

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

Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D		
Inj Date:	21-Sep-2009 16:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25PPM		
Sample Amount:	1.00 ul	Operator:	

102 Benzo[g,h,i]perylene, Number: 1, m/z: 276 Type: quant, RT: 15.82

Processing Integration Results

Not Detected

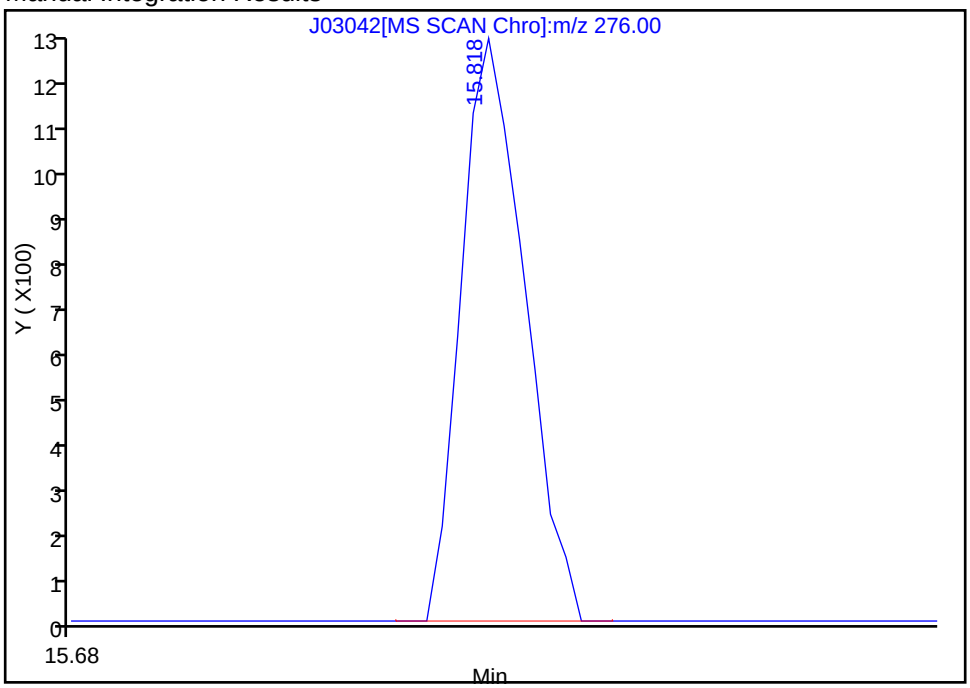
Expected RT: 15.82

Manual Integration Results

RT: 15.82

Response: 1751

Amount: 0.207117



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

Audit Action: Manually Integrated

Audit Reason: Assign Peak

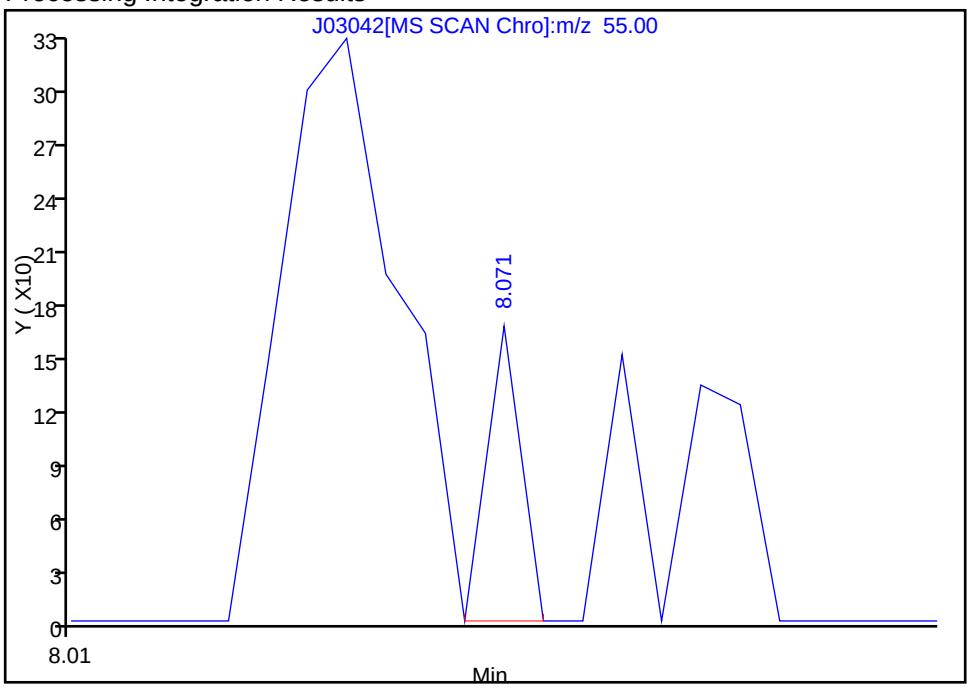
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D		
Inj Date:	21-Sep-2009 16:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25PPM		
Sample Amount:	1.00 ul	Operator:	

44 Caprolactam, Number: 1, m/z: 55 Type: quant, RT: 8.05

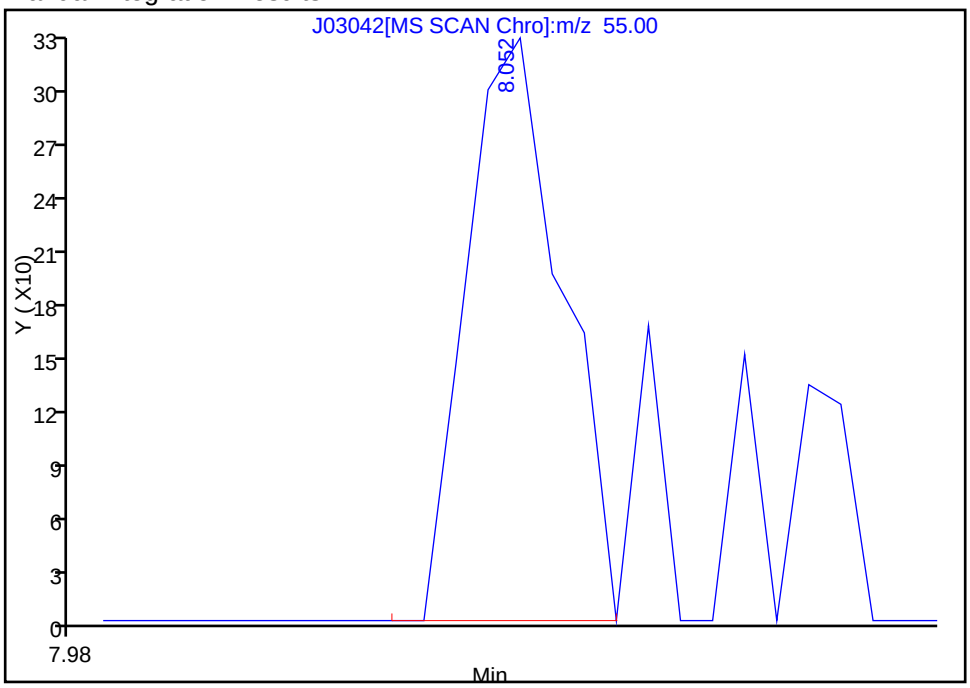
Processing Integration Results

RT: 8.07
Response: 48
Amount: 0.284557



Manual Integration Results

RT: 8.05
Response: 324
Amount: 0.302688



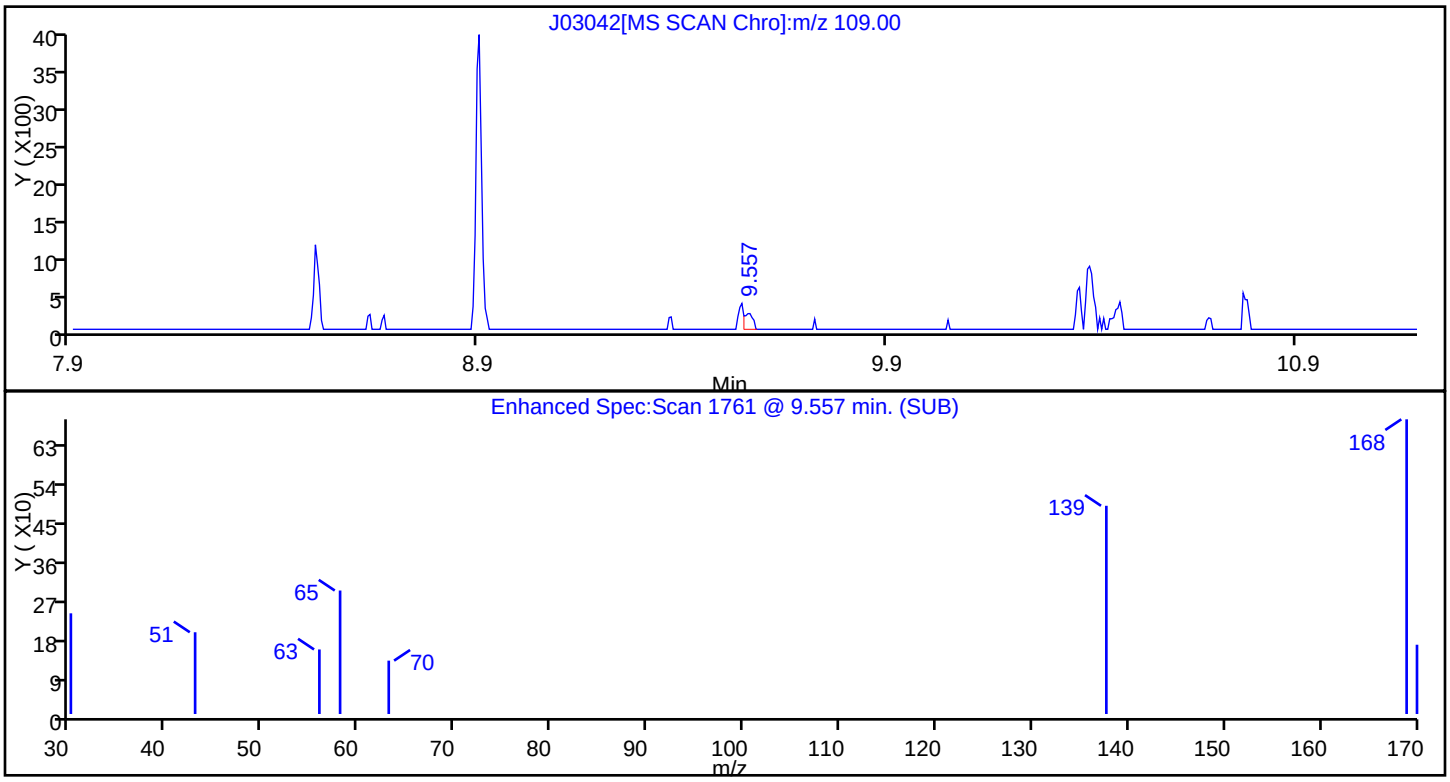
Reviewer: sullivanp, 23-Sep-2009 14:24:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03042.D		
Inj Date:	21-Sep-2009 16:17:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	0.25PPM		
Sample Amount:	1.00 ul	Operator:	

62 4-Nitrophenol

Processing Results



RT	Mass	Response	Amount
9.56	109.00	309	0.388294
9.55	139.00	227	
9.57	64.00	103	

Reviewer: sullivanp, 23-Sep-2009 14:24:54
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03043.D		
Lims ID:	std05	Client ID:	
Inject. Date:	21-Sep-2009 16:44:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	0.5PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49259	Lims Sample ID:	5
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:26:20	Calib Date:	21-Sep-2009 17:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:26:20

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.299	6.296	0.003	56827	2.00	
* 2 Naphthalene-d8	136	7.641	7.637	0.004	138686	2.00	
* 3 Acenaphthene-d10	164	9.367	9.369	-0.002	67146	2.00	
* 4 Phenanthrene-d10	188	10.805	10.802	0.003	103447	2.00	
* 5 Chrysene-d12	240	13.373	13.369	0.004	55461	2.00	
* 6 Perylene-d12	264	14.705	14.706	-0.001	29506	2.00	
$ 7 2-Fluorophenol	112	4.438	4.430	0.008	6820	0.4901	
$ 8 Phenol-d5	99	5.962	5.959	0.003	10445	0.4991	
$ 9 Nitrobenzene-d5	82	6.919	6.916	0.003	9699	0.4720	
$ 10 2-Fluorobiphenyl	172	8.737	8.734	0.003	21397	0.4906	
$ 11 2,4,6-Tribromophenol	330	10.137	10.136	0.001	1318	0.4342	
$ 12 Terphenyl-d14	244	12.387	12.386	0.001	12309	0.5159	
14 1,4-Dioxane	88	1.360	1.357	0.003	4600	0.4775	
16 Pyridine	79	1.697	1.670	0.027	5871	0.4225	
15 N-Nitrosodimethylamine	74	1.687	1.674	0.013	4351	0.4960	
19 Aniline	93	5.929	5.921	0.008	12545	0.4859	
18 Phenol	94	5.977	5.978	-0.001	11803	0.5174	
20 Bis(2-chloroethyl)ether	93	6.059	6.050	0.009	9978	0.5107	
21 2-Chlorophenol	128	6.054	6.050	0.004	9324	0.5014	
22 1,4-Dichlorobenzene	146	6.227	6.224	0.003	11707	0.5198	
23 1,3-Dichlorobenzene	146	6.318	6.320	-0.002	12154	0.5142	
25 1,2-Dichlorobenzene	146	6.482	6.478	0.004	11519	0.5112	
24 Benzyl alcohol	79	6.501	6.498	0.003	6031	0.4671	
26 2-Methylphenol	108	6.655	6.652	0.003	7579	0.4799	
27 2,2'-oxybis[1-chloropropane]	45	6.669	6.666	0.003	10340	0.5113	
30 Acetophenone	105	6.770	6.767	0.003	11460	0.4954	
17 Benzaldehyde	105	6.770	6.767	0.003	11460	0.4954	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.804	6.796	0.008	6119	0.4972	
28 3 & 4 Methylphenol	108	6.828	6.825	0.003	7810	0.4808	
31 Hexachloroethane	117	6.838	6.839	-0.001	4317	0.5060	
32 Nitrobenzene	77	6.939	6.935	0.004	10280	0.4930	
33 Isophorone	82	7.203	7.200	0.003	14916	0.4460	
34 2-Nitrophenol	139	7.275	7.272	0.003	3275	0.4252	
35 2,4-Dimethylphenol	107	7.362	7.363	-0.001	8651	0.4644	
37 Bis(2-chloroethoxy)methane	93	7.458	7.455	0.003	10831	0.4999	
38 2,4-Dichlorophenol	162	7.521	7.522	-0.001	5524	0.4380	
39 1,2,4-Trichlorobenzene	180	7.597	7.594	0.003	8939	0.4862	
41 Naphthalene	128	7.660	7.661	-0.001	31481	0.4954	
40 Alpha-Terpineol	59	7.708	7.710	-0.002	5592	0.4555	
42 4-Chloroaniline	127	7.747	7.743	0.004	10073	0.4823	
43 Hexachlorobutadiene	225	7.814	7.811	0.004	5017	0.4986	
44 Caprolactam	55	8.050	8.052	-0.002	1102	0.4461	
45 4-Chloro-3-methylphenol	107	8.256	8.253	0.003	6079	0.4357	
46 2-Methylnaphthalene	142	8.357	8.359	-0.002	18990	0.4808	
47 1-Methylnaphthalene	142	8.453	8.450	0.003	19233	0.4956	
48 Hexachlorocyclopentadiene	237	8.521	8.522	-0.001	1933	0.4009	
49 1,2,4,5-Tetrachlorobenzene	216	8.526	8.527	-0.001	7558	0.4999	
50 2,4,6-Trichlorophenol	196	8.651	8.652	-0.001	3177	0.4214	
51 2,4,5-Trichlorophenol	196	8.679	8.684	-0.005	3407	0.4334	
52 1,1'-Biphenyl	154	8.824	8.825	-0.001	22592	0.4930	
53 2-Chloronaphthalene	162	8.829	8.830	-0.001	22908	0.4840	
54 Phenyl ether	170	8.934	8.936	-0.002	12596	0.5146	
68 4-Nitroaniline	138	8.949	8.945	0.004	3414	0.3937	
56 Dimethyl phthalate	163	9.151	9.152	-0.001	19779	0.5000	
63 2,4-Dinitrotoluene	165	9.199	9.200	-0.001	3496	0.4564	
58 Acenaphthylene	152	9.228	9.224	0.004	25289	0.4863	
61 Acenaphthene	153	9.401	9.397	0.004	17814	0.4775	
62 4-Nitrophenol	109	9.535	9.535	0.000	1297	0.5127	M
64 Dibenzofuran	168	9.569	9.571	-0.002	24343	0.4866	
57 2,6-Dinitrotoluene	165	9.588	9.590	-0.002	3008	0.3911	
65 2,3,4,6-Tetrachlorophenol	232	9.704	9.700	0.004	2252	0.4222	
66 Diethyl phthalate	149	9.843	9.845	-0.002	18635	0.4713	
69 Fluorene	166	9.901	9.902	-0.001	18435	0.4844	
67 4-Chlorophenyl phenyl ether	204	9.925	9.926	-0.001	9200	0.4920	
59 3-Nitroaniline	138	9.939	9.936	0.003	1917	0.3852	
70 4,6-Dinitro-2-methylphenol	198	9.983	9.979	0.004	450	0.5626	
72 N-Nitrosodiphenylamine	169	10.040	10.042	-0.002	14486	0.4832	
71 Diphenylamine	169	10.040	10.042	-0.002	14486	0.4832	
74 Azobenzene	77	10.074	10.075	-0.001	29110	0.4621	
73 1,2-Diphenylhydrazine	77	10.074	10.075	-0.001	29110	0.4621	
13 Benzophenone	105	10.088	10.090	-0.002	17313	0.4642	
75 4-Bromophenyl phenyl ether	248	10.396	10.393	0.003	4618	0.4804	
55 2-Nitroaniline	65	10.391	10.393	-0.002	890	0.5417	
76 Hexachlorobenzene	284	10.435	10.436	-0.001	5351	0.4902	
77 Atrazine	200	10.589	10.590	-0.001	3134	0.4031	
78 Pentachlorophenol	266	10.641	10.638	0.003	343	0.5755	
79 Pentachloronitrobenzene	237	10.651	10.648	0.003	1423	0.4132	
80 Phenanthrene	178	10.824	10.826	-0.002	25312	0.4763	
81 Anthracene	178	10.877	10.874	0.003	19951	0.4663	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.050	11.047	0.003	17219	0.4634	
84 Di-n-butyl phthalate	149	11.445	11.446	-0.001	20800	0.3920	
87 Fluoranthene	202	11.978	11.980	-0.002	17710	0.4510	
85 Pyrene	202	12.195	12.191	0.004	18763	0.4949	
89 Butyl benzyl phthalate	149	12.892	12.893	-0.001	4293	0.3888	
93 Benzo[a]anthracene	228	13.363	13.365	-0.002	8164	0.3822	
91 3,3'-Dichlorobenzidine	252	13.368	13.367	0.001	1285	0.4074	
94 Chrysene	228	13.397	13.394	0.003	12241	0.4542	
92 Bis(2-ethylhexyl) phthalate	149	13.479	13.476	0.003	5852	0.4049	
95 Di-n-octyl phthalate	149	14.089	14.089	0.000	4859	0.3640	
97 Benzo[b]fluoranthene	252	14.368	14.365	0.003	7869	0.4551	
98 Benzo[k]fluoranthene	252	14.388	14.389	-0.001	8604	0.5537	
99 Benzo[a]pyrene	252	14.657	14.653	0.004	3113	0.3908	
100 Indeno[1,2,3-cd]pyrene	276	15.614	15.608	0.006	3107	0.3957	
101 Dibenz(a,h)anthracene	278	15.633	15.632	0.001	2945	0.4099	
102 Benzo[g,h,i]perylene	276	15.821	15.818	0.003	3954	0.4640	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 14:26:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03043.D

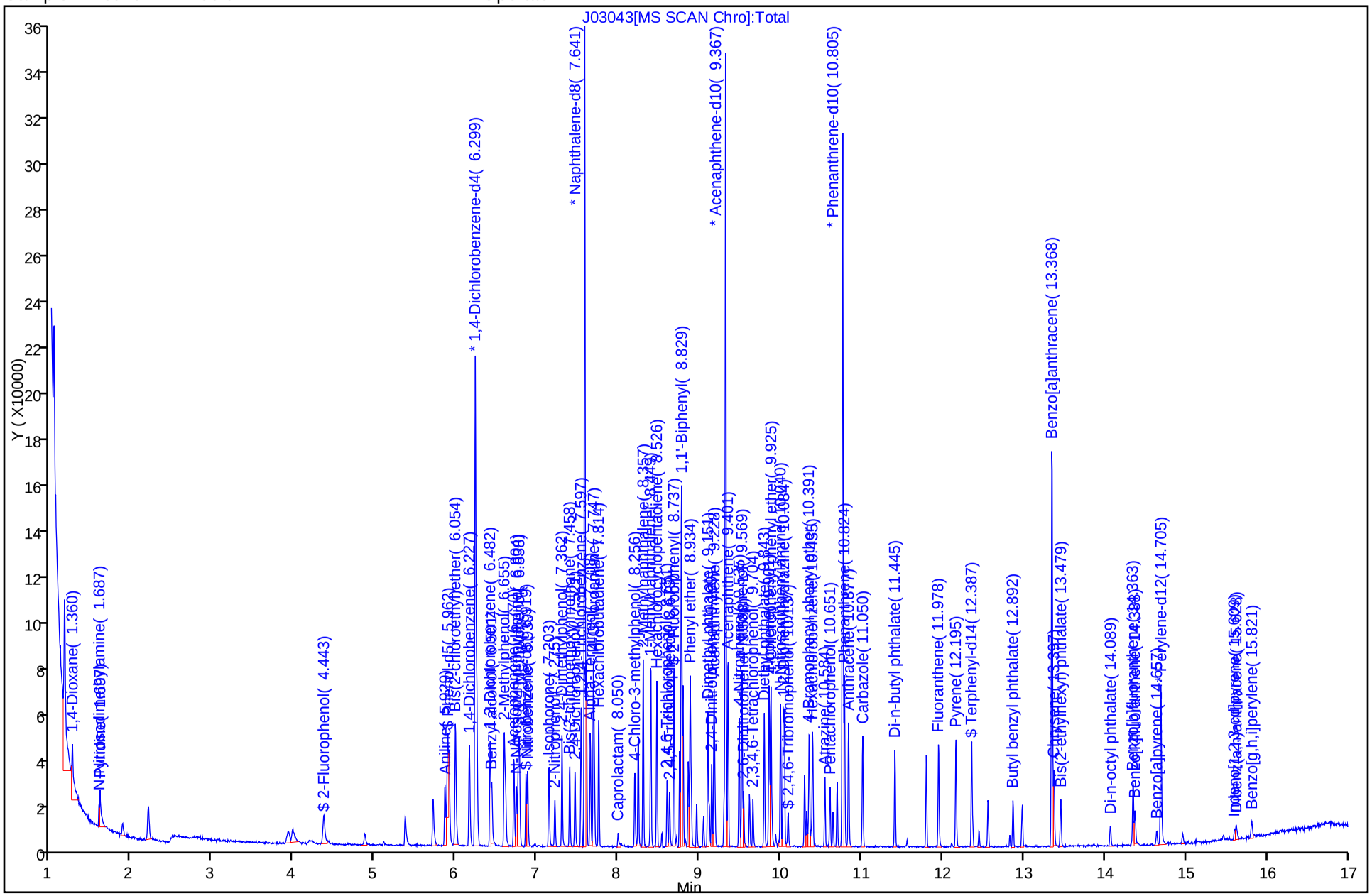
Inj Date: 21-Sep-2009 16:44:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 5

Client ID: Instrument: Inst. J

Sample Info: 0.5PPM

Sample Amount: 1.00 ul Operator:

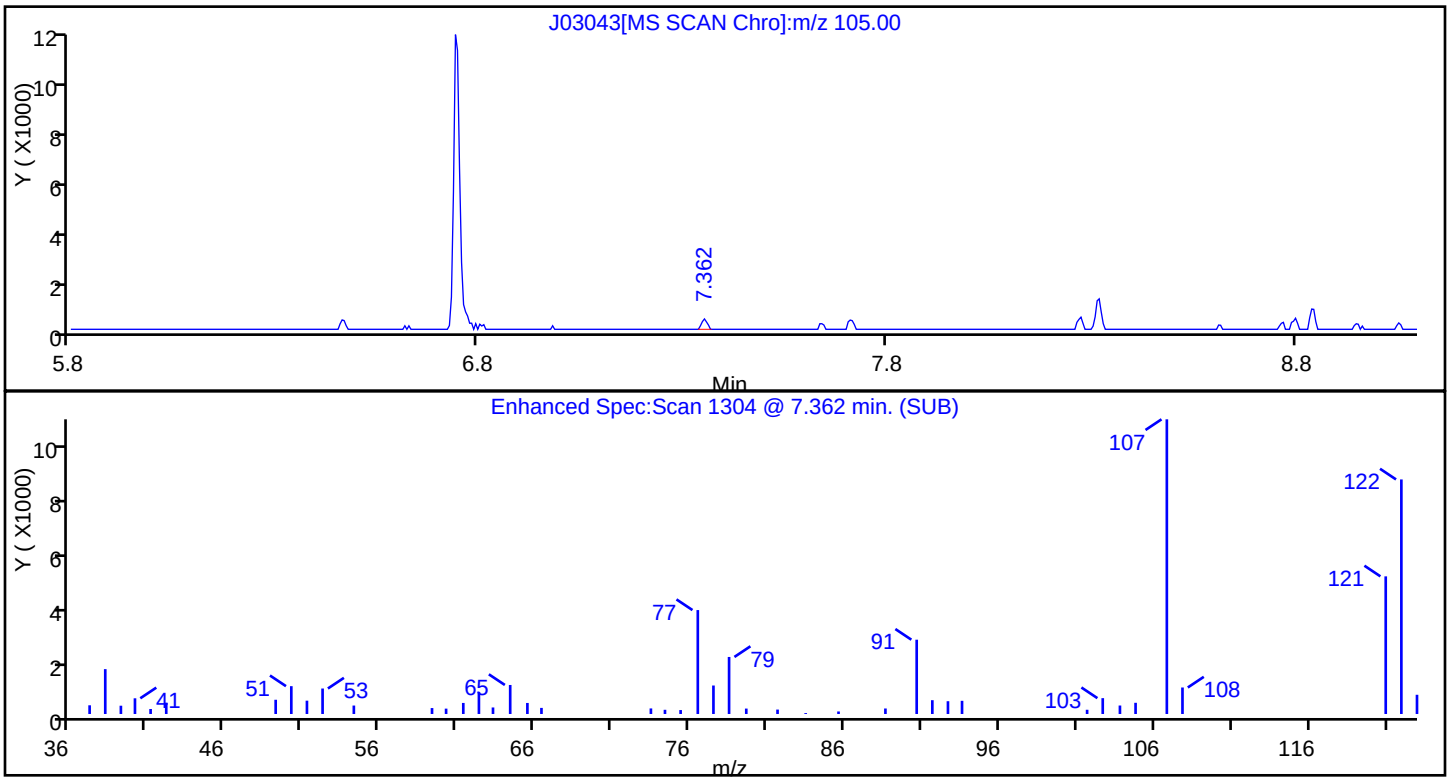


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03043.D		
Inj Date:	21-Sep-2009 16:44:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	0.5PPM		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
7.36	105.00	365	2.304335
7.36	122.00	7116	
7.36	77.00	2887	

Reviewer: sullivanp, 23-Sep-2009 14:26:20
Audit Action: Marked Compound Undetected
Audit Reason:

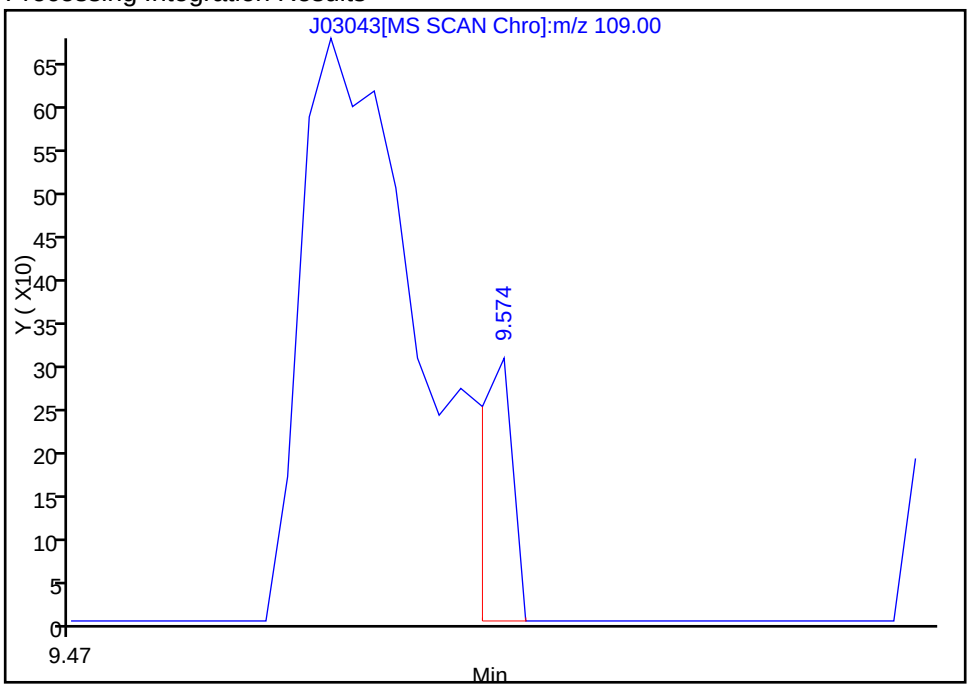
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03043.D		
Inj Date:	21-Sep-2009 16:44:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	0.5PPM		
Sample Amount:	1.00 ul	Operator:	

62 4-Nitrophenol, Number: 1, m/z: 109 Type: quant, RT: 9.54

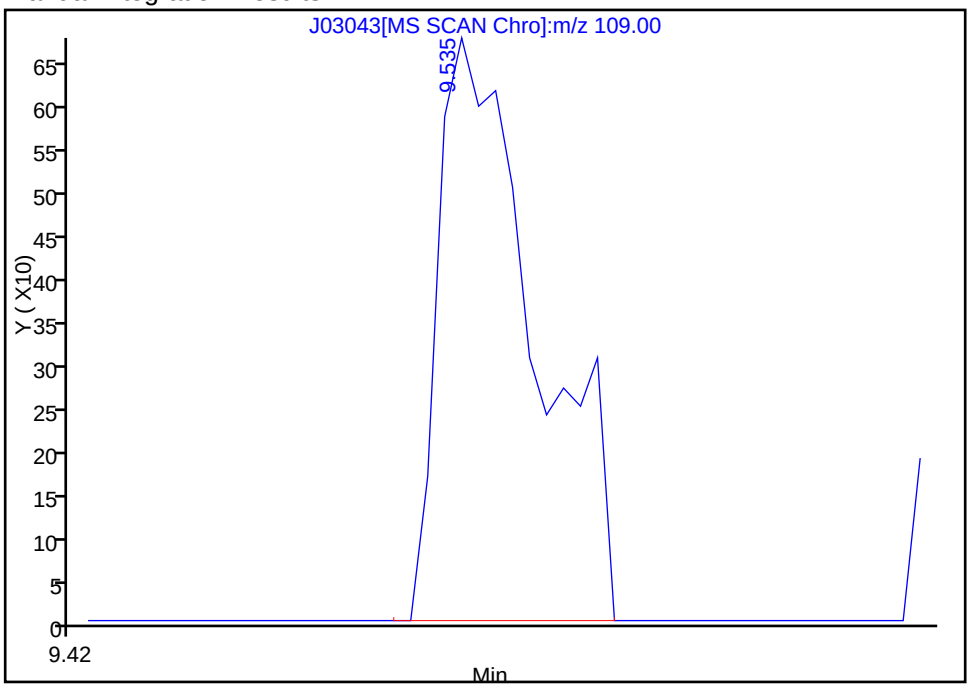
Processing Integration Results

RT: 9.57
Response: 159
Amount: 0.484350



Manual Integration Results

RT: 9.54
Response: 1297
Amount: 0.512742



Reviewer: sullivanp, 23-Sep-2009 14:26:20
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03044.D		
Lims ID:	std1	Client ID:	
Inject. Date:	21-Sep-2009 17:11:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	1 PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49259	Lims Sample ID:	6
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:27:25	Calib Date:	21-Sep-2009 17:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:27:25

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.300	6.296	0.004	66597	2.00	
* 2 Naphthalene-d8	136	7.641	7.637	0.004	159099	2.00	
* 3 Acenaphthene-d10	164	9.368	9.369	-0.001	75131	2.00	
* 4 Phenanthrene-d10	188	10.806	10.802	0.004	116765	2.00	
* 5 Chrysene-d12	240	13.373	13.369	0.004	75404	2.00	
* 6 Perylene-d12	264	14.705	14.706	-0.001	44664	2.00	
$ 7 2-Fluorophenol	112	4.443	4.430	0.013	17026	0.9896	
$ 8 Phenol-d5	99	5.963	5.959	0.004	26238	1.07	
$ 9 Nitrobenzene-d5	82	6.920	6.916	0.004	24430	1.04	
$ 10 2-Fluorobiphenyl	172	8.738	8.734	0.004	48603	1.00	
$ 11 2,4,6-Tribromophenol	330	10.137	10.136	0.001	3748	0.8853	
$ 12 Terphenyl-d14	244	12.388	12.386	0.002	30323	0.9347	
14 1,4-Dioxane	88	1.366	1.357	0.009	9688	1.09	
16 Pyridine	79	1.688	1.670	0.018	23456	1.02	
15 N-Nitrosodimethylamine	74	1.688	1.674	0.014	11793	1.15	
19 Aniline	93	5.925	5.921	0.004	30859	1.02	
18 Phenol	94	5.977	5.978	-0.001	29217	1.09	
20 Bis(2-chloroethyl)ether	93	6.059	6.050	0.009	23994	1.05	
21 2-Chlorophenol	128	6.054	6.050	0.004	22715	1.04	
22 1,4-Dichlorobenzene	146	6.228	6.224	0.004	27383	1.04	
23 1,3-Dichlorobenzene	146	6.319	6.320	-0.001	27675	1.00	
25 1,2-Dichlorobenzene	146	6.482	6.478	0.004	25803	0.9771	
24 Benzyl alcohol	79	6.502	6.498	0.004	15581	1.03	
26 2-Methylphenol	108	6.656	6.652	0.004	19444	1.05	
27 2,2'-oxybis[1-chloropropane]	45	6.665	6.666	-0.001	23954	1.01	
30 Acetophenone	105	6.771	6.767	0.004	29516	1.09	
17 Benzaldehyde	105	6.771	6.767	0.004	29516	1.09	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.800	6.796	0.004	15295	1.06	
28 3 & 4 Methylphenol	108	6.824	6.825	-0.001	20293	1.07	
31 Hexachloroethane	117	6.838	6.839	-0.001	10376	1.04	
32 Nitrobenzene	77	6.939	6.935	0.004	25120	1.05	
33 Isophorone	82	7.199	7.200	-0.001	39491	0.9628	
34 2-Nitrophenol	139	7.276	7.272	0.004	8979	0.9039	
35 2,4-Dimethylphenol	107	7.362	7.363	-0.001	22899	1.07	
36 Benzoic acid	105	7.468	7.455	0.013	43	2.16	
37 Bis(2-chloroethoxy)methane	93	7.459	7.455	0.004	26001	1.05	
38 2,4-Dichlorophenol	162	7.521	7.522	-0.001	14796	0.9517	
39 1,2,4-Trichlorobenzene	180	7.598	7.594	0.004	21019	1.00	
41 Naphthalene	128	7.661	7.661	0.000	73016	1.00	
40 Alpha-Terpineol	59	7.709	7.710	-0.001	14560	0.9866	
42 4-Chloroaniline	127	7.747	7.743	0.004	25488	1.06	
43 Hexachlorobutadiene	225	7.814	7.811	0.004	11597	1.00	
44 Caprolactam	55	8.050	8.052	-0.002	3866	0.8593	
45 4-Chloro-3-methylphenol	107	8.252	8.253	-0.001	16145	0.9105	
46 2-Methylnaphthalene	142	8.358	8.359	-0.001	45895	1.01	
47 1-Methylnaphthalene	142	8.449	8.450	-0.001	45878	1.03	
48 Hexachlorocyclopentadiene	237	8.521	8.522	-0.001	5766	0.8920	
49 1,2,4,5-Tetrachlorobenzene	216	8.526	8.527	-0.001	17665	1.02	
50 2,4,6-Trichlorophenol	196	8.651	8.652	-0.001	8897	0.9446	
51 2,4,5-Trichlorophenol	196	8.680	8.684	-0.004	9511	0.9682	
52 1,1'-Biphenyl	154	8.824	8.825	-0.001	52635	1.03	
53 2-Chloronaphthalene	162	8.829	8.830	-0.001	52992	1.00	
54 Phenyl ether	170	8.935	8.936	-0.001	28669	1.02	
68 4-Nitroaniline	138	8.949	8.945	0.004	10040	0.9132	
56 Dimethyl phthalate	163	9.151	9.152	-0.001	47069	1.06	
63 2,4-Dinitrotoluene	165	9.199	9.200	-0.001	9312	0.99	
58 Acenaphthylene	152	9.228	9.224	0.004	62963	1.08	
61 Acenaphthene	153	9.401	9.397	0.004	42288	1.01	
60 2,4-Dinitrophenol	184	9.473	9.465	0.008	398	0.3291	
62 4-Nitrophenol	109	9.541	9.535	0.006	3841	0.9402	
64 Dibenzofuran	168	9.570	9.571	-0.001	56901	1.02	
57 2,6-Dinitrotoluene	165	9.589	9.590	-0.001	10155	0.9492	
65 2,3,4,6-Tetrachlorophenol	232	9.704	9.700	0.004	6812	0.9679	
66 Diethyl phthalate	149	9.844	9.845	-0.001	46021	1.04	
69 Fluorene	166	9.901	9.902	-0.001	43595	1.02	
67 4-Chlorophenyl phenyl ether	204	9.926	9.926	0.000	21326	1.02	
59 3-Nitroaniline	138	9.940	9.936	0.004	6268	0.9203	
70 4,6-Dinitro-2-methylphenol	198	9.983	9.979	0.004	1870	0.8702	
72 N-Nitrosodiphenylamine	169	10.041	10.042	-0.001	35666	1.05	
71 Diphenylamine	169	10.041	10.042	-0.001	35666	1.05	
74 Azobenzene	77	10.075	10.075	0.000	76425	1.03	
73 1,2-Diphenylhydrazine	77	10.075	10.075	0.000	76425	1.03	
13 Benzophenone	105	10.089	10.090	-0.001	44986	1.02	
75 4-Bromophenyl phenyl ether	248	10.397	10.393	0.004	11369	1.05	
55 2-Nitroaniline	65	10.392	10.393	-0.001	1840	1.00	
76 Hexachlorobenzene	284	10.435	10.436	-0.001	12443	1.01	
77 Atrazine	200	10.589	10.590	-0.001	9473	0.9513	
78 Pentachlorophenol	266	10.637	10.638	-0.001	1622	0.8441	
79 Pentachloronitrobenzene	237	10.652	10.648	0.004	4297	0.9510	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.825	10.826	-0.001	59987	1.00	
81 Anthracene	178	10.878	10.874	0.004	53233	1.10	
83 Carbazole	167	11.051	11.047	0.004	46035	1.10	
84 Di-n-butyl phthalate	149	11.445	11.446	-0.001	60023	0.9236	
87 Fluoranthene	202	11.979	11.980	-0.001	47737	1.08	
86 Benzidine	184	12.142	12.143	-0.001	4190	1.00	
85 Pyrene	202	12.195	12.191	0.004	49791	0.9660	
89 Butyl benzyl phthalate	149	12.897	12.893	0.004	16890	0.8356	
93 Benzo[a]anthracene	228	13.364	13.365	-0.001	27675	0.9233	
91 3,3'-Dichlorobenzidine	252	13.369	13.367	0.002	5644	0.8116	
94 Chrysene	228	13.397	13.394	0.003	34343	1.01	
92 Bis(2-ethylhexyl) phthalate	149	13.479	13.476	0.003	21017	0.7955	
95 Di-n-octyl phthalate	149	14.090	14.089	0.001	15489	0.6898	
97 Benzo[b]fluoranthene	252	14.364	14.365	-0.001	25552	0.9810	
98 Benzo[k]fluoranthene	252	14.388	14.389	-0.001	27096	1.12	
99 Benzo[a]pyrene	252	14.657	14.653	0.004	12889	0.8793	
100 Indeno[1,2,3-cd]pyrene	276	15.614	15.608	0.006	12959	0.9083	
101 Dibenz(a,h)anthracene	278	15.634	15.632	0.002	11539	0.9499	
102 Benzo[g,h,i]perylene	276	15.821	15.818	0.003	13220	1.02	

Report Date: 23-Sep-2009 14:27:25 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03044.D

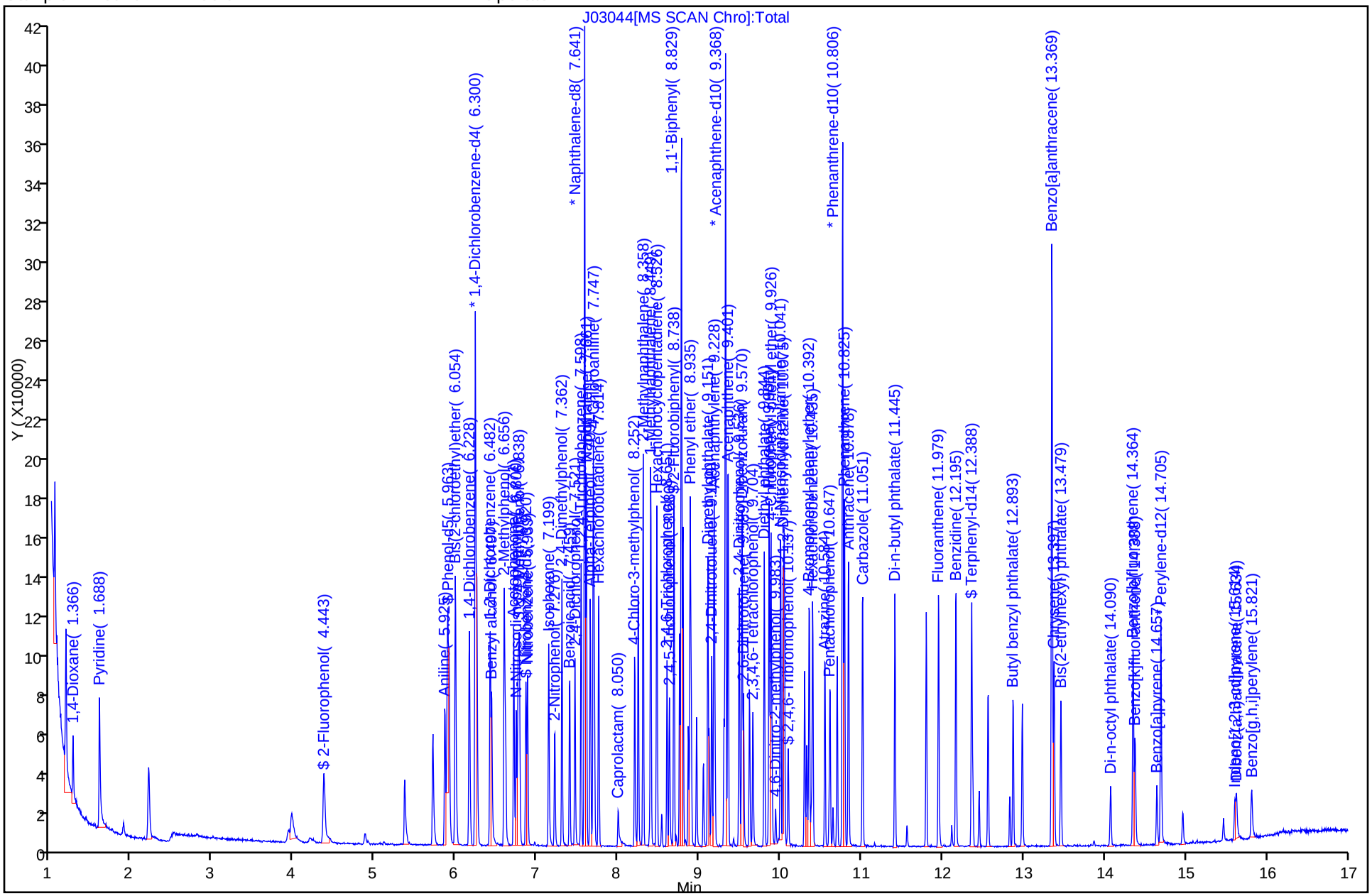
Inj Date: 21-Sep-2009 17:11:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 6

Client ID: Instrument: Inst. J

Sample Info: 1 PPM

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Lims ID:	std2.5	Client ID:	
Inject. Date:	21-Sep-2009 17:39:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	2.5 PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49259	Lims Sample ID:	7
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:34:04	Calib Date:	21-Sep-2009 17:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:34:04

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.302	6.296	0.006	67771	2.00	
* 2 Naphthalene-d8	136	7.643	7.637	0.006	151829	2.00	
* 3 Acenaphthene-d10	164	9.370	9.369	0.001	73432	2.00	
* 4 Phenanthrene-d10	188	10.808	10.802	0.006	112723	2.00	
* 5 Chrysene-d12	240	13.371	13.369	0.002	73149	2.00	
* 6 Perylene-d12	264	14.708	14.706	0.002	45843	2.00	
$ 7 2-Fluorophenol	112	4.436	4.430	0.006	47242	2.62	
$ 8 Phenol-d5	99	5.965	5.959	0.006	68131	2.73	
$ 9 Nitrobenzene-d5	82	6.917	6.916	0.001	66083	2.94	
$ 10 2-Fluorobiphenyl	172	8.735	8.734	0.001	123218	2.58	
$ 11 2,4,6-Tribromophenol	330	10.139	10.139	0.000	12086	2.64	
$ 12 Terphenyl-d14	244	12.385	12.385	0.000	81657	2.59	
14 1,4-Dioxane	88	1.363	1.357	0.006	21370	2.69	
16 Pyridine	79	1.681	1.670	0.010	57668	2.51	
15 N-Nitrosodimethylamine	74	1.685	1.674	0.011	28697	2.74	
19 Aniline	93	5.927	5.921	0.006	82743	2.69	
18 Phenol	94	5.980	5.978	0.002	72568	2.67	
20 Bis(2-chloroethyl)ether	93	6.057	6.050	0.006	58630	2.52	
21 2-Chlorophenol	128	6.052	6.050	0.002	59219	2.67	
22 1,4-Dichlorobenzene	146	6.225	6.224	0.001	66990	2.49	
23 1,3-Dichlorobenzene	146	6.321	6.321	0.000	69602	2.47	
25 1,2-Dichlorobenzene	146	6.480	6.478	0.002	64882	2.41	
24 Benzyl alcohol	79	6.499	6.498	0.001	47385	3.08	
26 2-Methylphenol	108	6.653	6.652	0.001	52534	2.79	
27 2,2'-oxybis[1-chloropropane]	45	6.662	6.666	-0.004	59396	2.46	
30 Acetophenone	105	6.768	6.767	0.001	76469	2.77	
17 Benzaldehyde	105	6.768	6.767	0.001	76469	2.77	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.802	6.796	0.006	40536	2.76	
28 3 & 4 Methylphenol	108	6.826	6.825	0.001	54678	2.82	
31 Hexachloroethane	117	6.840	6.839	0.001	27126	2.67	
32 Nitrobenzene	77	6.937	6.935	0.002	67252	2.95	
33 Isophorone	82	7.201	7.200	0.001	109379	2.70	
34 2-Nitrophenol	139	7.273	7.272	0.001	26641	2.64	
35 2,4-Dimethylphenol	107	7.360	7.363	-0.003	59513	2.92	
36 Benzoic acid	105	7.475	7.475	0.000	4142	2.50	M
37 Bis(2-chloroethoxy)methane	93	7.456	7.455	0.001	66875	2.82	
38 2,4-Dichlorophenol	162	7.523	7.522	0.001	41709	2.71	
39 1,2,4-Trichlorobenzene	180	7.595	7.594	0.001	52849	2.63	
41 Naphthalene	128	7.663	7.661	0.002	181097	2.60	
40 Alpha-Terpineol	59	7.711	7.710	0.001	39750	2.75	
42 4-Chloroaniline	127	7.744	7.743	0.001	68298	2.99	
43 Hexachlorobutadiene	225	7.812	7.811	0.002	28775	2.61	
44 Caprolactam	55	8.057	8.057	0.000	13830	2.55	
45 4-Chloro-3-methylphenol	107	8.254	8.253	0.001	47634	2.66	
46 2-Methylnaphthalene	142	8.360	8.359	0.001	116645	2.70	
47 1-Methylnaphthalene	142	8.451	8.450	0.001	114811	2.70	
48 Hexachlorocyclopentadiene	237	8.523	8.522	0.001	18021	2.62	
49 1,2,4,5-Tetrachlorobenzene	216	8.528	8.527	0.001	43297	2.62	
50 2,4,6-Trichlorophenol	196	8.653	8.652	0.001	26714	2.75	
51 2,4,5-Trichlorophenol	196	8.682	8.682	0.000	27455	2.71	
52 1,1'-Biphenyl	154	8.826	8.825	0.001	130515	2.60	
53 2-Chloronaphthalene	162	8.831	8.830	0.001	140181	2.71	
54 Phenyl ether	170	8.937	8.936	0.001	69465	2.59	
68 4-Nitroaniline	138	8.947	8.945	0.002	31578	2.77	
56 Dimethyl phthalate	163	9.153	9.152	0.001	121505	2.81	
63 2,4-Dinitrotoluene	165	9.201	9.200	0.001	26368	2.74	
58 Acenaphthylene	152	9.226	9.224	0.002	164157	2.89	
61 Acenaphthene	153	9.399	9.397	0.002	107211	2.63	
60 2,4-Dinitrophenol	184	9.466	9.465	0.001	3154	2.67	
62 4-Nitrophenol	109	9.543	9.543	0.000	12415	2.53	
64 Dibenzofuran	168	9.572	9.571	0.001	143415	2.62	
57 2,6-Dinitrotoluene	165	9.591	9.590	0.001	31372	2.75	
65 2,3,4,6-Tetrachlorophenol	232	9.706	9.700	0.006	20622	2.78	
66 Diethyl phthalate	149	9.846	9.845	0.001	123130	2.85	
69 Fluorene	166	9.904	9.902	0.002	112850	2.71	
67 4-Chlorophenyl phenyl ether	204	9.928	9.926	0.002	53210	2.60	
59 3-Nitroaniline	138	9.937	9.936	0.001	20662	2.85	
70 4,6-Dinitro-2-methylphenol	198	9.980	9.979	0.001	8582	2.46	
72 N-Nitrosodiphenylamine	169	10.043	10.042	0.001	94787	2.90	
71 Diphenylamine	169	10.043	10.042	0.001	94787	2.90	
74 Azobenzene	77	10.077	10.075	0.002	202747	2.76	
73 1,2-Diphenylhydrazine	77	10.077	10.075	0.002	202747	2.76	
13 Benzophenone	105	10.091	10.090	0.001	120716	2.78	
75 4-Bromophenyl phenyl ether	248	10.399	10.393	0.006	28482	2.72	
55 2-Nitroaniline	65	10.394	10.393	0.001	4545	2.53	
76 Hexachlorobenzene	284	10.437	10.436	0.001	30437	2.56	
77 Atrazine	200	10.591	10.590	0.001	27629	2.72	
78 Pentachlorophenol	266	10.639	10.638	0.001	8665	2.44	
79 Pentachloronitrobenzene	237	10.649	10.648	0.001	12283	2.64	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.827	10.826	0.001	150314	2.60	
81 Anthracene	178	10.880	10.874	0.006	140510	3.01	
83 Carbazole	167	11.048	11.047	0.001	122917	3.04	
84 Di-n-butyl phthalate	149	11.447	11.446	0.001	177003	2.72	
87 Fluoranthene	202	11.981	11.980	0.001	128760	3.01	
86 Benzidine	184	12.144	12.143	0.001	19451	2.55	
85 Pyrene	202	12.193	12.191	0.002	135772	2.72	
89 Butyl benzyl phthalate	149	12.895	12.893	0.002	61633	2.72	
93 Benzo[a]anthracene	228	13.366	13.365	0.001	79867	2.71	
91 3,3'-Dichlorobenzidine	252	13.371	13.371	0.000	21658	2.54	
94 Chrysene	228	13.395	13.394	0.001	87879	2.76	
92 Bis(2-ethylhexyl) phthalate	149	13.481	13.481	0.000	81015	2.66	
95 Di-n-octyl phthalate	149	14.092	14.092	0.000	77823	2.47	
97 Benzo[b]fluoranthene	252	14.366	14.365	0.001	78880	2.86	
98 Benzo[k]fluoranthene	252	14.390	14.389	0.001	73114	2.86	
99 Benzo[a]pyrene	252	14.659	14.653	0.006	46336	2.63	
100 Indeno[1,2,3-cd]pyrene	276	15.616	15.616	0.000	43799	2.63	
101 Dibenz(a,h)anthracene	278	15.631	15.631	0.000	36701	2.70	
102 Benzo[g,h,i]perylene	276	15.818	15.818	0.000	40891	2.96	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 14:34:05 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D

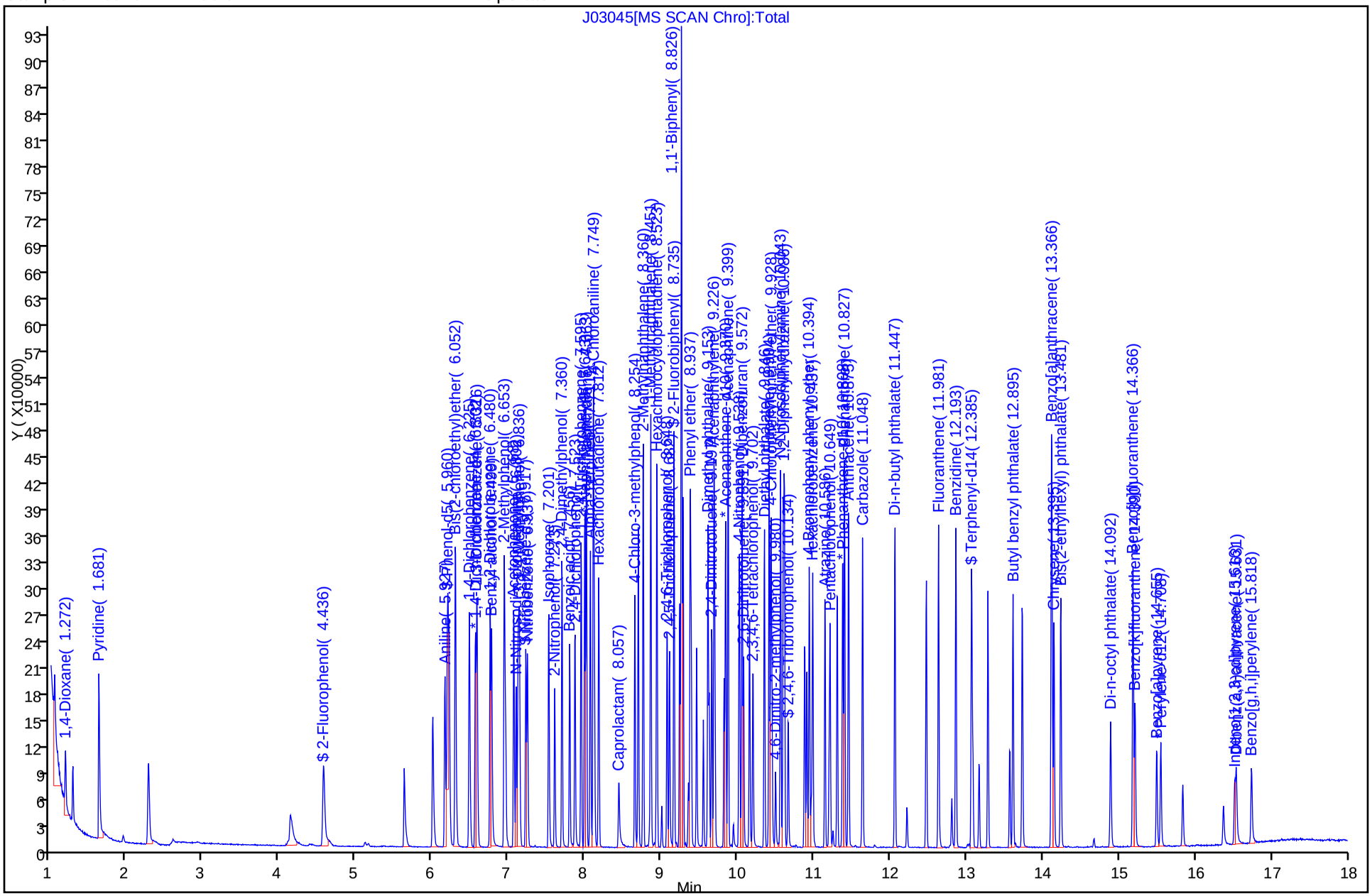
Inj Date: 21-Sep-2009 17:39:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 7

Client ID: Instrument: Inst. J

Sample Info: 2.5 PPM

Sample Amount: 1.00 ul Operator:



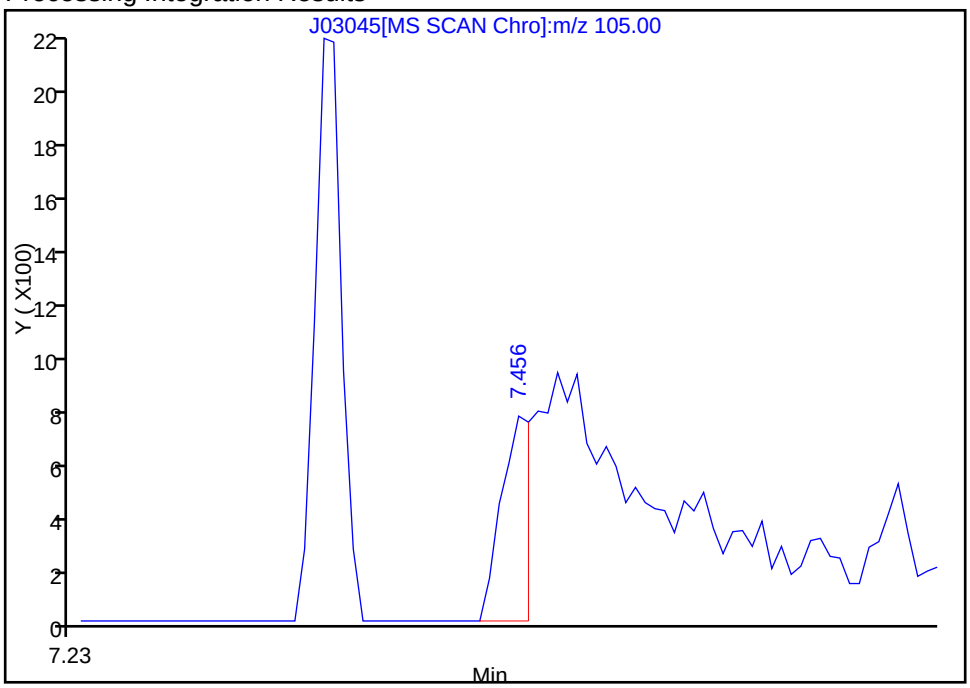
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03045.D		
Inj Date:	21-Sep-2009 17:39:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	7
Client ID:		Instrument:	Inst. J
Sample Info:	2.5 PPM		
Sample Amount:	1.00 ul	Operator:	

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

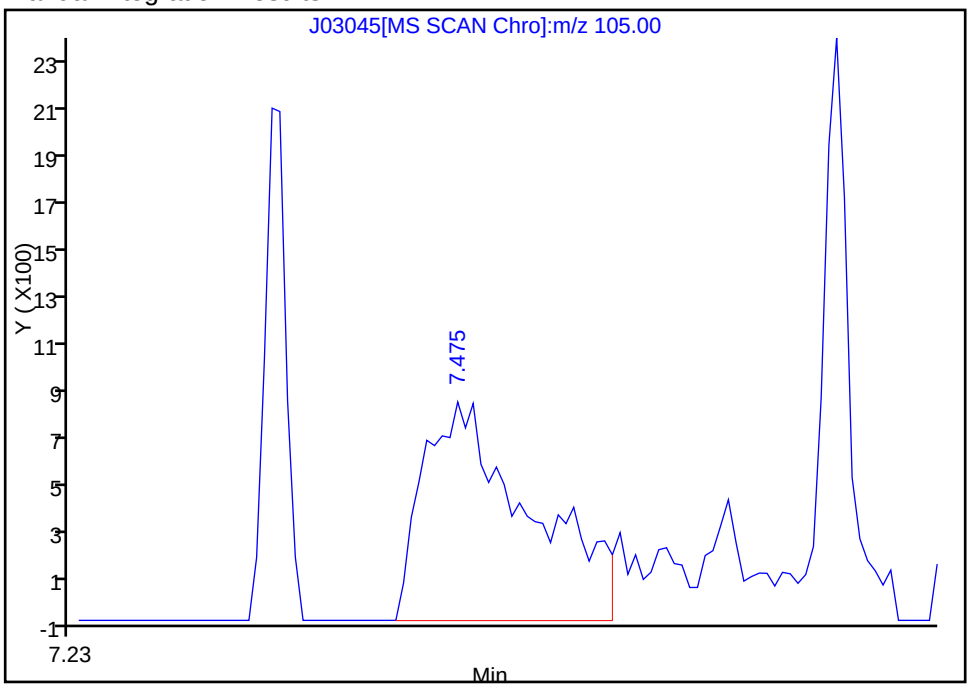
Processing Integration Results

RT: 7.46
Response: 751
Amount: 2.500000



Manual Integration Results

RT: 7.48
Response: 4142
Amount: 2.500000



Reviewer: sullivanp, 23-Sep-2009 14:34:04
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03046.D		
Lims ID:	std8	Client ID:	
Inject. Date:	21-Sep-2009 18:06:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	8 PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49259	Lims Sample ID:	8
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:35:18	Calib Date:	21-Sep-2009 18:06:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03046.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:35:18

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.303	6.296	0.006	86851	2.00	
* 2 Naphthalene-d8	136	7.644	7.637	0.007	160990	2.00	
* 3 Acenaphthene-d10	164	9.371	9.369	0.002	79736	2.00	
* 4 Phenanthrene-d10	188	10.804	10.802	0.002	121160	2.00	
* 5 Chrysene-d12	240	13.371	13.369	0.002	84846	2.00	
* 6 Perylene-d12	264	14.708	14.706	0.002	51078	2.00	
$ 7 2-Fluorophenol	112	4.441	4.430	0.011	187787	8.01	5
$ 8 Phenol-d5	99	5.966	5.959	0.007	230381	7.31	
$ 9 Nitrobenzene-d5	82	6.918	6.916	0.002	225793	9.22	5
$ 10 2-Fluorobiphenyl	172	8.736	8.734	0.002	405731	7.86	
$ 11 2,4,6-Tribromophenol	330	10.140	10.136	0.004	45627	8.53	5
$ 12 Terphenyl-d14	244	12.386	12.386	0.000	288937	7.93	
14 1,4-Dioxane	88	1.369	1.357	0.012	75964	7.98	
16 Pyridine	79	1.681	1.670	0.011	174207	8.17	5
15 N-Nitrosodimethylamine	74	1.691	1.674	0.017	98811	7.45	
19 Aniline	93	5.927	5.921	0.006	282324	7.26	
18 Phenol	94	5.980	5.978	0.002	246094	7.18	
20 Bis(2-chloroethyl)ether	93	6.057	6.050	0.007	194655	6.70	5
21 2-Chlorophenol	128	6.052	6.050	0.002	200669	7.18	
22 1,4-Dichlorobenzene	146	6.226	6.224	0.002	220778	6.60	
23 1,3-Dichlorobenzene	146	6.322	6.320	0.002	226438	6.47	
25 1,2-Dichlorobenzene	146	6.480	6.478	0.002	208224	6.26	
24 Benzyl alcohol	79	6.500	6.498	0.002	166371	8.37	5
26 2-Methylphenol	108	6.654	6.652	0.002	178745	7.48	
27 2,2'-oxybis[1-chloropropane]	45	6.668	6.666	0.002	199294	6.63	
30 Acetophenone	105	6.774	6.767	0.007	267423	7.62	
17 Benzaldehyde	105	6.774	6.767	0.007	267423	7.62	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.803	6.796	0.007	140238	7.53	
28 3 & 4 Methylphenol	108	6.827	6.825	0.002	186068	7.56	
31 Hexachloroethane	117	6.841	6.839	0.002	91080	7.11	
32 Nitrobenzene	77	6.937	6.935	0.002	224262	9.06	5
33 Isophorone	82	7.202	7.200	0.002	389785	8.44	5
34 2-Nitrophenol	139	7.274	7.272	0.002	97494	8.43	5
35 2,4-Dimethylphenol	107	7.365	7.363	0.002	204002	9.20	5
37 Bis(2-chloroethoxy)methane	93	7.457	7.455	0.002	223409	8.75	5
36 Benzoic acid	105	7.476	7.476	0.000	48914	8.01	5M
38 2,4-Dichlorophenol	162	7.524	7.522	0.002	146540	8.40	5
39 1,2,4-Trichlorobenzene	180	7.601	7.594	0.007	170793	8.00	5
41 Naphthalene	128	7.663	7.661	0.002	587034	7.96	
40 Alpha-Terpineol	59	7.711	7.710	0.001	142921	8.36	5
42 4-Chloroaniline	127	7.745	7.743	0.002	231618	9.30	5
43 Hexachlorobutadiene	225	7.812	7.811	0.002	93374	7.99	
44 Caprolactam	55	8.082	8.052	0.030	60942	8.03	5
45 4-Chloro-3-methylphenol	107	8.260	8.253	0.007	174107	8.46	5
46 2-Methylnaphthalene	142	8.361	8.359	0.002	378895	8.22	5
47 1-Methylnaphthalene	142	8.452	8.450	0.002	369784	8.18	5
48 Hexachlorocyclopentadiene	237	8.524	8.522	0.002	64194	8.17	5
49 1,2,4,5-Tetrachlorobenzene	216	8.529	8.527	0.002	142917	8.12	5
50 2,4,6-Trichlorophenol	196	8.654	8.652	0.002	96043	8.44	5
51 2,4,5-Trichlorophenol	196	8.683	8.684	-0.001	101587	8.49	5
52 1,1'-Biphenyl	154	8.827	8.825	0.002	426919	7.87	
53 2-Chloronaphthalene	162	8.832	8.830	0.002	440513	7.86	
54 Phenyl ether	170	8.938	8.936	0.002	234598	8.22	5
68 4-Nitroaniline	138	8.952	8.945	0.007	117597	8.33	5
56 Dimethyl phthalate	163	9.159	9.152	0.007	405882	8.54	5
63 2,4-Dinitrotoluene	165	9.202	9.200	0.002	91987	8.31	5
58 Acenaphthylene	152	9.231	9.224	0.007	560797	8.91	5
61 Acenaphthene	153	9.404	9.397	0.007	342601	7.77	
60 2,4-Dinitrophenol	184	9.467	9.465	0.002	21310	13.1	5
62 4-Nitrophenol	109	9.544	9.535	0.009	53110	8.73	5
64 Dibenzofuran	168	9.572	9.571	0.001	468263	7.90	
57 2,6-Dinitrotoluene	165	9.592	9.590	0.002	115257	8.51	5
65 2,3,4,6-Tetrachlorophenol	232	9.707	9.700	0.007	76724	8.59	5
66 Diethyl phthalate	149	9.847	9.845	0.002	416520	8.74	5
69 Fluorene	166	9.904	9.902	0.002	379993	8.35	5
67 4-Chlorophenyl phenyl ether	204	9.928	9.926	0.002	174592	7.88	
59 3-Nitroaniline	138	9.943	9.936	0.007	70539	8.33	5
70 4,6-Dinitro-2-methylphenol	198	9.986	9.979	0.007	41999	8.30	5
72 N-Nitrosodiphenylamine	169	10.044	10.042	0.002	318469	8.90	5
71 Diphenylamine	169	10.044	10.042	0.002	318469	8.90	5
74 Azobenzene	77	10.077	10.075	0.002	686721	8.47	5
73 1,2-Diphenylhydrazine	77	10.077	10.075	0.002	686721	8.47	5
13 Benzophenone	105	10.092	10.090	0.002	406734	8.49	5
75 4-Bromophenyl phenyl ether	248	10.400	10.393	0.007	93976	8.30	5
55 2-Nitroaniline	65	10.395	10.393	0.002	15356	7.90	
76 Hexachlorobenzene	284	10.438	10.436	0.002	103874	8.11	5
77 Atrazine	200	10.592	10.590	0.002	98203	8.39	5
78 Pentachlorophenol	266	10.640	10.638	0.002	44326	8.01	5
79 Pentachloronitrobenzene	237	10.650	10.648	0.002	46542	8.49	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.828	10.826	0.002	497624	8.00	
81 Anthracene	178	10.876	10.874	0.002	480208	9.32	5
83 Carbazole	167	11.049	11.047	0.002	412744	9.24	5
84 Di-n-butyl phthalate	149	11.448	11.446	0.002	659258	8.59	5
87 Fluoranthene	202	11.982	11.980	0.002	461709	9.69	5
86 Benzidine	184	12.145	12.143	0.002	89493	8.50	5
85 Pyrene	202	12.193	12.191	0.002	480976	8.25	5
89 Butyl benzyl phthalate	149	12.895	12.893	0.002	255119	8.33	5
93 Benzo[a]anthracene	228	13.367	13.365	0.002	314324	8.53	5
91 3,3'-Dichlorobenzidine	252	13.371	13.367	0.004	90093	8.14	5
94 Chrysene	228	13.400	13.394	0.006	311083	8.44	5
92 Bis(2-ethylhexyl) phthalate	149	13.482	13.476	0.006	352461	8.04	5
95 Di-n-octyl phthalate	149	14.093	14.089	0.004	440243	8.04	5
97 Benzo[b]fluoranthene	252	14.367	14.365	0.002	276732	8.86	5
98 Benzo[k]fluoranthene	252	14.391	14.389	0.002	255150	8.80	5
99 Benzo[a]pyrene	252	14.655	14.653	0.002	190737	8.34	5
100 Indeno[1,2,3-cd]pyrene	276	15.612	15.608	0.004	153511	8.10	5
101 Dibenz(a,h)anthracene	278	15.632	15.632	0.000	122692	7.97	
102 Benzo[g,h,i]perylene	276	15.819	15.818	0.001	136339	8.72	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 14:35:19 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03046.D

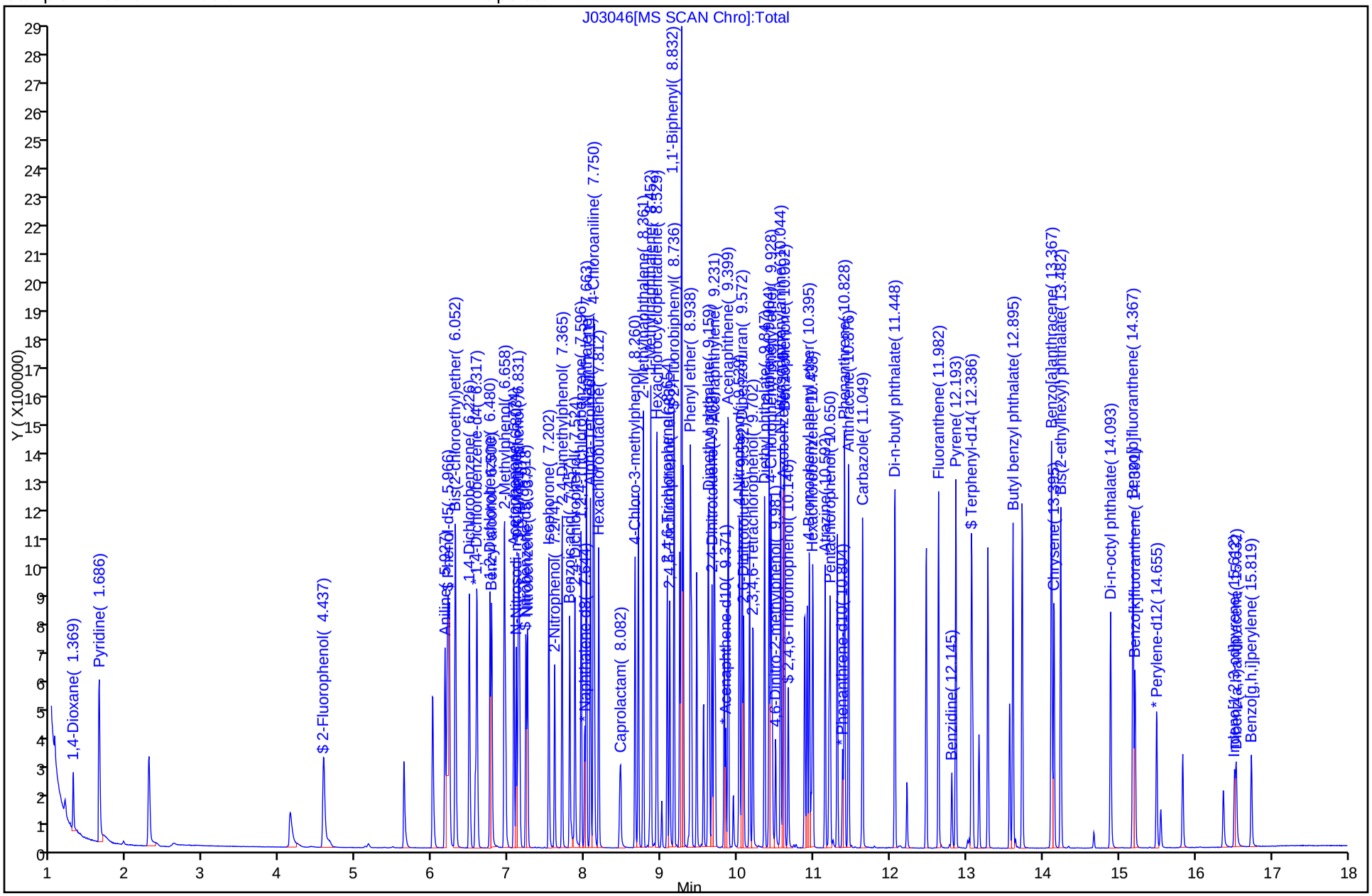
Inj Date: 21-Sep-2009 18:06:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 8

Client ID: Instrument: Inst. J

Sample Info: 8 PPM

Sample Amount: 1.00 ul Operator:



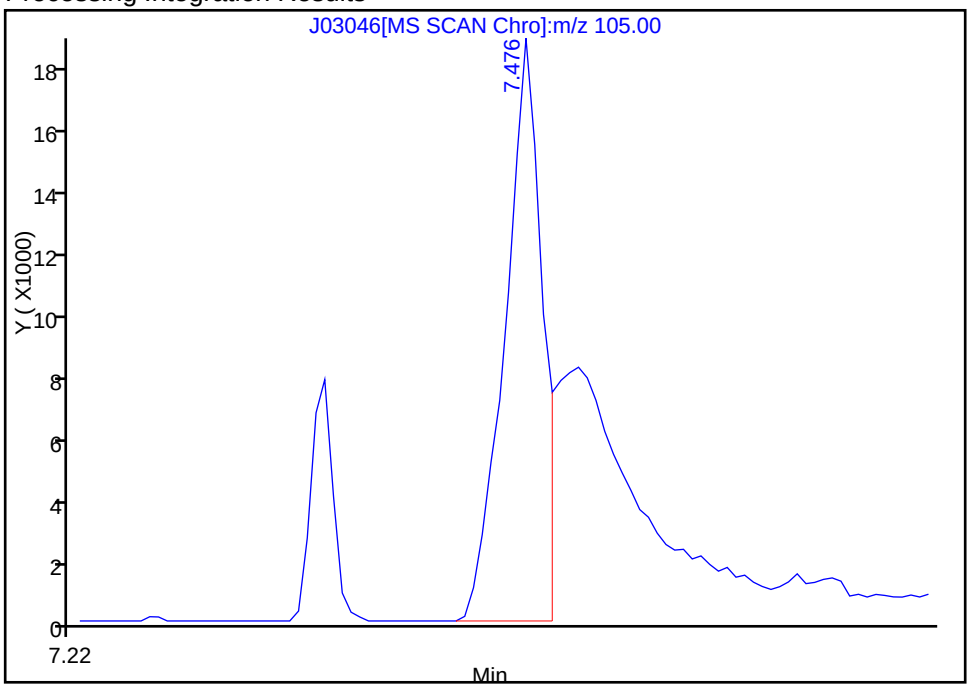
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03046.D		
Inj Date:	21-Sep-2009 18:06:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	8
Client ID:		Instrument:	Inst. J
Sample Info:	8 PPM		
Sample Amount:	1.00 ul	Operator:	

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

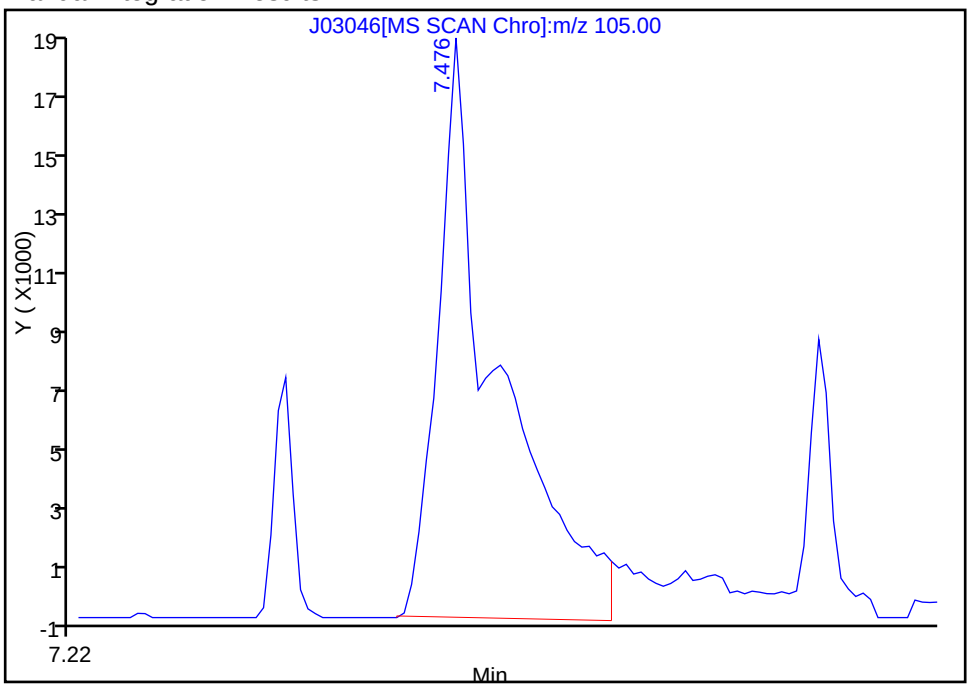
Processing Integration Results

RT: 7.48
Response: 25915
Amount: 7.920483



Manual Integration Results

RT: 7.48
Response: 48914
Amount: 8.012494



Reviewer: sullivanp, 23-Sep-2009 14:35:18
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03047.D		
Lims ID:	std10	Client ID:	
Inject. Date:	21-Sep-2009 18:33:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	10 PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49259	Lims Sample ID:	9
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:37:09	Calib Date:	21-Sep-2009 18:33:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03047.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:37:08

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.299	6.296	0.003	75806	2.00	
* 2 Naphthalene-d8	136	7.641	7.637	0.004	170952	2.00	
* 3 Acenaphthene-d10	164	9.372	9.369	0.003	86787	2.00	
* 4 Phenanthrene-d10	188	10.805	10.802	0.003	138216	2.00	
* 5 Chrysene-d12	240	13.373	13.369	0.004	92375	2.00	
* 6 Perylene-d12	264	14.710	14.706	0.004	61893	2.00	
$ 7 2-Fluorophenol	112	4.433	4.430	0.003	244896	11.5	5
$ 8 Phenol-d5	99	5.967	5.959	0.008	299176	10.8	5
$ 9 Nitrobenzene-d5	82	6.920	6.916	0.004	289274	11.0	5
$ 10 2-Fluorobiphenyl	172	8.737	8.734	0.003	513489	9.24	
$ 11 2,4,6-Tribromophenol	330	10.142	10.136	0.006	61438	10.0	5
$ 12 Terphenyl-d14	244	12.387	12.386	0.001	378296	9.59	
14 1,4-Dioxane	88	1.361	1.357	0.004	88772	10.5	5
16 Pyridine	79	1.673	1.670	0.003	229364	11.1	5
15 N-Nitrosodimethylamine	74	1.678	1.674	0.004	132388	11.2	5
19 Aniline	93	5.929	5.921	0.008	369657	10.8	5
18 Phenol	94	5.982	5.978	0.004	315986	10.5	5
20 Bis(2-chloroethyl)ether	93	6.054	6.050	0.004	246071	9.73	5
21 2-Chlorophenol	128	6.054	6.050	0.004	256125	10.4	5
22 1,4-Dichlorobenzene	146	6.222	6.224	-0.002	283034	9.73	5
23 1,3-Dichlorobenzene	146	6.319	6.320	-0.001	291644	9.60	
25 1,2-Dichlorobenzene	146	6.482	6.478	0.004	268331	9.34	5
24 Benzyl alcohol	79	6.501	6.498	0.003	222378	11.0	5
26 2-Methylphenol	108	6.655	6.652	0.003	226571	10.8	5
27 2,2'-oxybis[1-chloropropane]	45	6.665	6.666	-0.001	252640	9.68	
30 Acetophenone	105	6.771	6.767	0.004	341572	11.0	5
17 Benzaldehyde	105	6.771	6.767	0.004	341572	11.0	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.804	6.796	0.008	186064	11.2	5
28 3 & 4 Methylphenol	108	6.828	6.825	0.003	239960	11.0	5
31 Hexachloroethane	117	6.838	6.839	-0.001	113749	10.2	5
32 Nitrobenzene	77	6.939	6.935	0.004	286632	10.8	5
33 Isophorone	82	7.203	7.200	0.003	503660	10.2	5
34 2-Nitrophenol	139	7.271	7.272	-0.001	134959	10.6	5
35 2,4-Dimethylphenol	107	7.362	7.363	-0.001	263128	11.0	5
37 Bis(2-chloroethoxy)methane	93	7.458	7.455	0.003	284946	10.4	5
36 Benzoic acid	105	7.492	7.476	0.016	94625	10.1	5
38 2,4-Dichlorophenol	162	7.521	7.522	-0.001	189538	10.1	5
39 1,2,4-Trichlorobenzene	180	7.598	7.594	0.004	216370	9.60	
41 Naphthalene	128	7.665	7.661	0.004	737785	9.49	
40 Alpha-Terpineol	59	7.713	7.710	0.003	182701	10.6	5
42 4-Chloroaniline	127	7.747	7.743	0.004	303775	11.3	5
43 Hexachlorobutadiene	225	7.814	7.811	0.004	118486	9.61	
44 Caprolactam	55	8.088	8.052	0.036	81249	10.5	5
45 4-Chloro-3-methylphenol	107	8.261	8.253	0.008	226377	10.2	5
46 2-Methylnaphthalene	142	8.357	8.359	-0.002	488100	9.98	
47 1-Methylnaphthalene	142	8.454	8.450	0.004	472483	9.86	5
48 Hexachlorocyclopentadiene	237	8.526	8.522	0.004	97766	10.8	5
49 1,2,4,5-Tetrachlorobenzene	216	8.531	8.527	0.004	184405	9.89	
50 2,4,6-Trichlorophenol	196	8.656	8.652	0.004	130403	10.3	5
51 2,4,5-Trichlorophenol	196	8.684	8.684	0.000	132067	10.1	5
52 1,1'-Biphenyl	154	8.829	8.825	0.004	544573	9.31	
53 2-Chloronaphthalene	162	8.834	8.830	0.004	588217	9.69	
54 Phenyl ether	170	8.939	8.936	0.003	297042	9.82	
68 4-Nitroaniline	138	8.954	8.945	0.009	156312	10.3	5
56 Dimethyl phthalate	163	9.161	9.152	0.009	520418	10.1	5
63 2,4-Dinitrotoluene	165	9.204	9.200	0.004	120535	10.0	
58 Acenaphthylene	152	9.228	9.224	0.004	719326	10.4	5
61 Acenaphthene	153	9.401	9.397	0.004	451975	9.49	
60 2,4-Dinitrophenol	184	9.463	9.465	-0.002	38047	10.1	5
62 4-Nitrophenol	109	9.545	9.535	0.010	73451	10.7	5
64 Dibenzofuran	168	9.574	9.571	0.003	613316	9.56	
57 2,6-Dinitrotoluene	165	9.593	9.590	0.003	151861	10.2	5
65 2,3,4,6-Tetrachlorophenol	232	9.704	9.700	0.004	103646	10.4	5
66 Diethyl phthalate	149	9.848	9.845	0.003	548164	10.5	5
69 Fluorene	166	9.906	9.902	0.004	493680	9.97	
67 4-Chlorophenyl phenyl ether	204	9.925	9.926	-0.001	228690	9.55	
59 3-Nitroaniline	138	9.944	9.936	0.008	96675	10.3	5
70 4,6-Dinitro-2-methylphenol	198	9.988	9.979	0.009	64827	10.4	5
72 N-Nitrosodiphenylamine	169	10.045	10.042	0.003	416630	10.2	5
71 Diphenylamine	169	10.045	10.042	0.003	416630	10.2	5
74 Azobenzene	77	10.079	10.075	0.004	893657	9.72	
73 1,2-Diphenylhydrazine	77	10.079	10.075	0.004	893657	9.72	
13 Benzophenone	105	10.093	10.090	0.003	528132	9.72	
75 4-Bromophenyl phenyl ether	248	10.396	10.393	0.003	123927	9.64	
55 2-Nitroaniline	65	10.396	10.393	0.003	18862	9.08	
76 Hexachlorobenzene	284	10.440	10.436	0.004	132436	9.17	
77 Atrazine	200	10.594	10.590	0.004	126535	9.66	
78 Pentachlorophenol	266	10.642	10.638	0.004	63623	10.4	5
79 Pentachloronitrobenzene	237	10.651	10.648	0.003	60611	9.80	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.829	10.826	0.003	660279	9.38	
81 Anthracene	178	10.877	10.874	0.003	631317	10.6	5
83 Carbazole	167	11.050	11.047	0.003	556129	10.8	5
84 Di-n-butyl phthalate	149	11.445	11.446	-0.001	843641	9.77	
87 Fluoranthene	202	11.983	11.980	0.003	594425	10.8	5
86 Benzidine	184	12.147	12.143	0.004	134203	10.6	5
85 Pyrene	202	12.195	12.191	0.004	617522	9.76	
89 Butyl benzyl phthalate	149	12.892	12.893	-0.001	344693	10.1	5
93 Benzo[a]anthracene	228	13.368	13.365	0.003	421231	10.3	5
91 3,3'-Dichlorobenzidine	252	13.368	13.367	0.001	118686	10.1	5
94 Chrysene	228	13.397	13.394	0.003	396899	9.91	5
92 Bis(2-ethylhexyl) phthalate	149	13.479	13.476	0.003	481314	10.2	5
95 Di-n-octyl phthalate	149	14.090	14.089	0.001	644087	9.75	
97 Benzo[b]fluoranthene	252	14.368	14.365	0.003	385237	10.2	5
98 Benzo[k]fluoranthene	252	14.393	14.389	0.003	354672	10.1	5
99 Benzo[a]pyrene	252	14.657	14.653	0.004	278134	10.3	5
100 Indeno[1,2,3-cd]pyrene	276	15.614	15.608	0.006	261966	10.8	5
101 Dibenz(a,h)anthracene	278	15.633	15.632	0.001	213020	10.8	5
102 Benzo[g,h,i]perylene	276	15.821	15.818	0.003	226226	11.7	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 23-Sep-2009 14:37:09 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03047.D

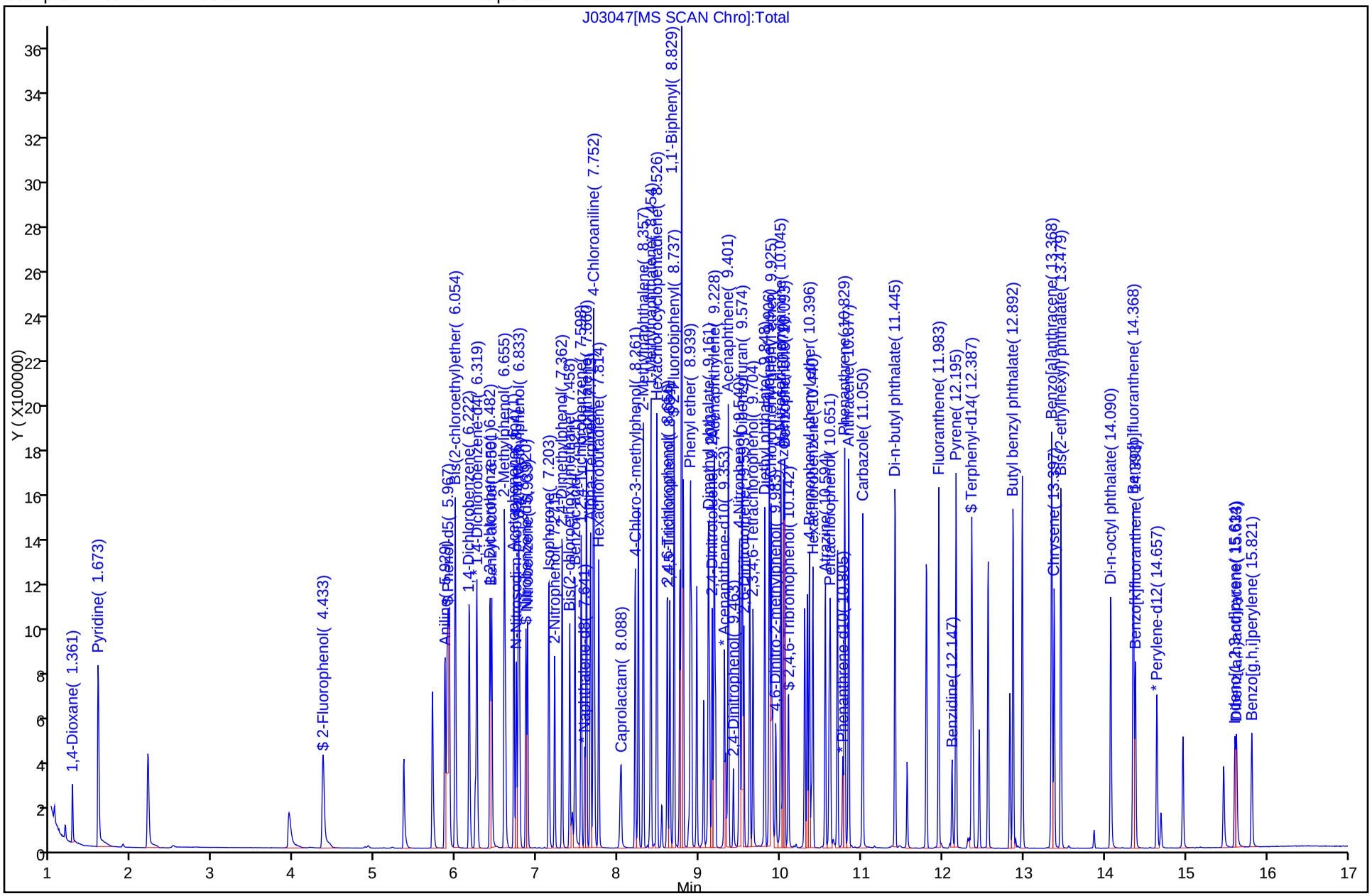
Inj Date: 21-Sep-2009 18:33:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 9

Client ID: Instrument: Inst. J

Sample Info: 10 PPM

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Lims ID:	std20	Client ID:	
Inject. Date:	21-Sep-2009 18:59:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	20 PPM		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49259	Lims Sample ID:	10
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:47:55	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:47:55

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.301	6.296	0.005	69157	2.00	
* 2 Naphthalene-d8	136	7.643	7.637	0.006	165456	2.00	
* 3 Acenaphthene-d10	164	9.374	9.369	0.005	83344	2.00	
* 4 Phenanthrene-d10	188	10.807	10.802	0.005	132179	2.00	
* 5 Chrysene-d12	240	13.375	13.369	0.006	93394	2.00	
* 6 Perylene-d12	264	14.707	14.706	0.001	59757	2.00	
$ 7 2-Fluorophenol	112	4.436	4.430	0.006	479585	20.7	5
$ 8 Phenol-d5	99	5.974	5.959	0.015	575018	22.3	5
$ 9 Nitrobenzene-d5	82	6.922	6.916	0.006	555091	21.5	5
$ 10 2-Fluorobiphenyl	172	8.739	8.734	0.005	975811	18.5	
$ 11 2,4,6-Tribromophenol	330	10.144	10.136	0.008	127460	20.9	5
$ 12 Terphenyl-d14	244	12.389	12.386	0.003	753829	19.0	
14 1,4-Dioxane	88	1.363	1.357	0.006	177728	21.7	5
16 Pyridine	79	1.675	1.670	0.005	432799	20.5	5
15 N-Nitrosodimethylamine	74	1.685	1.674	0.011	247987	22.7	5
19 Aniline	93	5.931	5.921	0.010	714143	22.5	5
18 Phenol	94	5.989	5.978	0.011	599001	21.6	5
20 Bis(2-chloroethyl)ether	93	6.061	6.050	0.011	460211	20.0	
21 2-Chlorophenol	128	6.056	6.050	0.006	487610	21.6	5
22 1,4-Dichlorobenzene	146	6.224	6.224	0.000	529718	20.0	5
23 1,3-Dichlorobenzene	146	6.321	6.320	0.001	547853	19.8	
25 1,2-Dichlorobenzene	146	6.479	6.478	0.001	512154	19.6	5
24 Benzyl alcohol	79	6.503	6.498	0.005	437329	20.7	5
26 2-Methylphenol	108	6.657	6.652	0.005	435312	22.3	5
27 2,2'-oxybis[1-chloropropane]	45	6.667	6.666	0.001	493474	20.6	5
30 Acetophenone	105	6.777	6.767	0.010	647450	22.5	5
17 Benzaldehyde	105	6.777	6.767	0.010	647450	22.5	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.806	6.796	0.010	356628	23.2	5
28 3 & 4 Methylphenol	108	6.835	6.825	0.010	456559	22.6	5
31 Hexachloroethane	117	6.840	6.839	0.001	215646	21.0	5
32 Nitrobenzene	77	6.941	6.935	0.006	545275	21.1	5
33 Isophorone	82	7.205	7.200	0.005	950821	19.9	
34 2-Nitrophenol	139	7.273	7.272	0.001	263314	20.6	5
35 2,4-Dimethylphenol	107	7.369	7.363	0.006	510718	21.8	5
37 Bis(2-chloroethoxy)methane	93	7.460	7.455	0.005	550094	20.7	5
36 Benzoic acid	105	7.523	7.476	0.047	208881	19.9	
38 2,4-Dichlorophenol	162	7.528	7.522	0.006	372061	20.3	5
39 1,2,4-Trichlorobenzene	180	7.600	7.594	0.006	419247	19.3	
41 Naphthalene	128	7.667	7.661	0.006	1412747	18.9	
40 Alpha-Terpineol	59	7.715	7.710	0.005	352945	21.0	5
42 4-Chloroaniline	127	7.754	7.743	0.011	565430	21.5	5
43 Hexachlorobutadiene	225	7.816	7.811	0.006	233586	19.6	
44 Caprolactam	55	8.114	8.052	0.062	162288	20.7	5
45 4-Chloro-3-methylphenol	107	8.263	8.253	0.010	439743	20.2	5
46 2-Methylnaphthalene	142	8.359	8.359	0.000	920612	19.5	
47 1-Methylnaphthalene	142	8.456	8.450	0.006	892643	19.3	
48 Hexachlorocyclopentadiene	237	8.528	8.522	0.006	200421	21.5	5
49 1,2,4,5-Tetrachlorobenzene	216	8.533	8.527	0.006	360885	20.0	
50 2,4,6-Trichlorophenol	196	8.658	8.652	0.006	255550	20.5	5
51 2,4,5-Trichlorophenol	196	8.691	8.684	0.007	266762	20.6	5
52 1,1'-Biphenyl	154	8.831	8.825	0.006	1028249	18.5	
53 2-Chloronaphthalene	162	8.836	8.830	0.006	1085900	18.8	
54 Phenyl ether	170	8.941	8.936	0.005	569271	19.5	
68 4-Nitroaniline	138	8.956	8.945	0.011	308206	20.6	5
56 Dimethyl phthalate	163	9.163	9.152	0.011	995972	20.0	5
63 2,4-Dinitrotoluene	165	9.211	9.200	0.011	233972	20.1	5
58 Acenaphthylene	152	9.235	9.224	0.011	1368197	20.6	5
61 Acenaphthene	153	9.408	9.397	0.011	864997	19.0	
60 2,4-Dinitrophenol	184	9.470	9.465	0.005	91473	20.0	
62 4-Nitrophenol	109	9.552	9.535	0.017	150808	22.0	5
64 Dibenzofuran	168	9.576	9.571	0.005	1170485	19.1	
57 2,6-Dinitrotoluene	165	9.595	9.590	0.005	300059	20.4	5
65 2,3,4,6-Tetrachlorophenol	232	9.711	9.700	0.011	204703	20.7	5
66 Diethyl phthalate	149	9.855	9.845	0.010	1041640	20.7	5
69 Fluorene	166	9.908	9.902	0.006	949698	20.0	
67 4-Chlorophenyl phenyl ether	204	9.927	9.926	0.001	445396	19.4	
59 3-Nitroaniline	138	9.951	9.936	0.015	203360	21.2	5
70 4,6-Dinitro-2-methylphenol	198	9.990	9.979	0.011	139692	20.5	5
72 N-Nitrosodiphenylamine	169	10.052	10.042	0.010	815760	20.7	5
71 Diphenylamine	169	10.052	10.042	0.010	815760	20.7	5
74 Azobenzene	77	10.081	10.075	0.006	1704539	20.9	5
73 1,2-Diphenylhydrazine	77	10.081	10.075	0.006	1704539	20.9	5
13 Benzophenone	105	10.095	10.090	0.005	1018074	21.1	5
75 4-Bromophenyl phenyl ether	248	10.398	10.393	0.005	245846	20.0	
55 2-Nitroaniline	65	10.398	10.393	0.005	33729	17.3	
76 Hexachlorobenzene	284	10.442	10.436	0.006	261956	19.1	
77 Atrazine	200	10.600	10.590	0.010	255403	20.2	5
78 Pentachlorophenol	266	10.644	10.638	0.006	139243	21.5	5
79 Pentachloronitrobenzene	237	10.658	10.648	0.010	120429	20.1	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.831	10.826	0.005	1270870	19.0	
81 Anthracene	178	10.884	10.874	0.010	1247549	21.7	5
83 Carbazole	167	11.052	11.047	0.005	1037262	20.9	5
84 Di-n-butyl phthalate	149	11.447	11.446	0.001	1634442	19.8	
87 Fluoranthene	202	11.985	11.980	0.005	1147988	21.6	5
86 Benzidine	184	12.149	12.143	0.006	332832	20.0	
85 Pyrene	202	12.197	12.191	0.006	1222112	19.2	
89 Butyl benzyl phthalate	149	12.899	12.893	0.006	673892	20.1	5
93 Benzo[a]anthracene	228	13.370	13.365	0.005	857987	20.4	5
91 3,3'-Dichlorobenzidine	252	13.370	13.367	0.003	240609	20.1	5
94 Chrysene	228	13.404	13.394	0.010	801197	19.9	5
92 Bis(2-ethylhexyl) phthalate	149	13.481	13.476	0.005	924610	20.1	5
95 Di-n-octyl phthalate	149	14.092	14.089	0.003	1296013	20.2	5
97 Benzo[b]fluoranthene	252	14.375	14.365	0.010	739297	20.2	5
98 Benzo[k]fluoranthene	252	14.399	14.389	0.010	730053	21.3	5
99 Benzo[a]pyrene	252	14.659	14.653	0.006	563390	20.8	5
100 Indeno[1,2,3-cd]pyrene	276	15.616	15.608	0.008	487351	20.4	5
101 Dibenz(a,h)anthracene	278	15.635	15.632	0.003	402506	20.6	5
102 Benzo[g,h,i]perylene	276	15.823	15.818	0.005	416835	22.0	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Report Date: 23-Sep-2009 14:47:56 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D

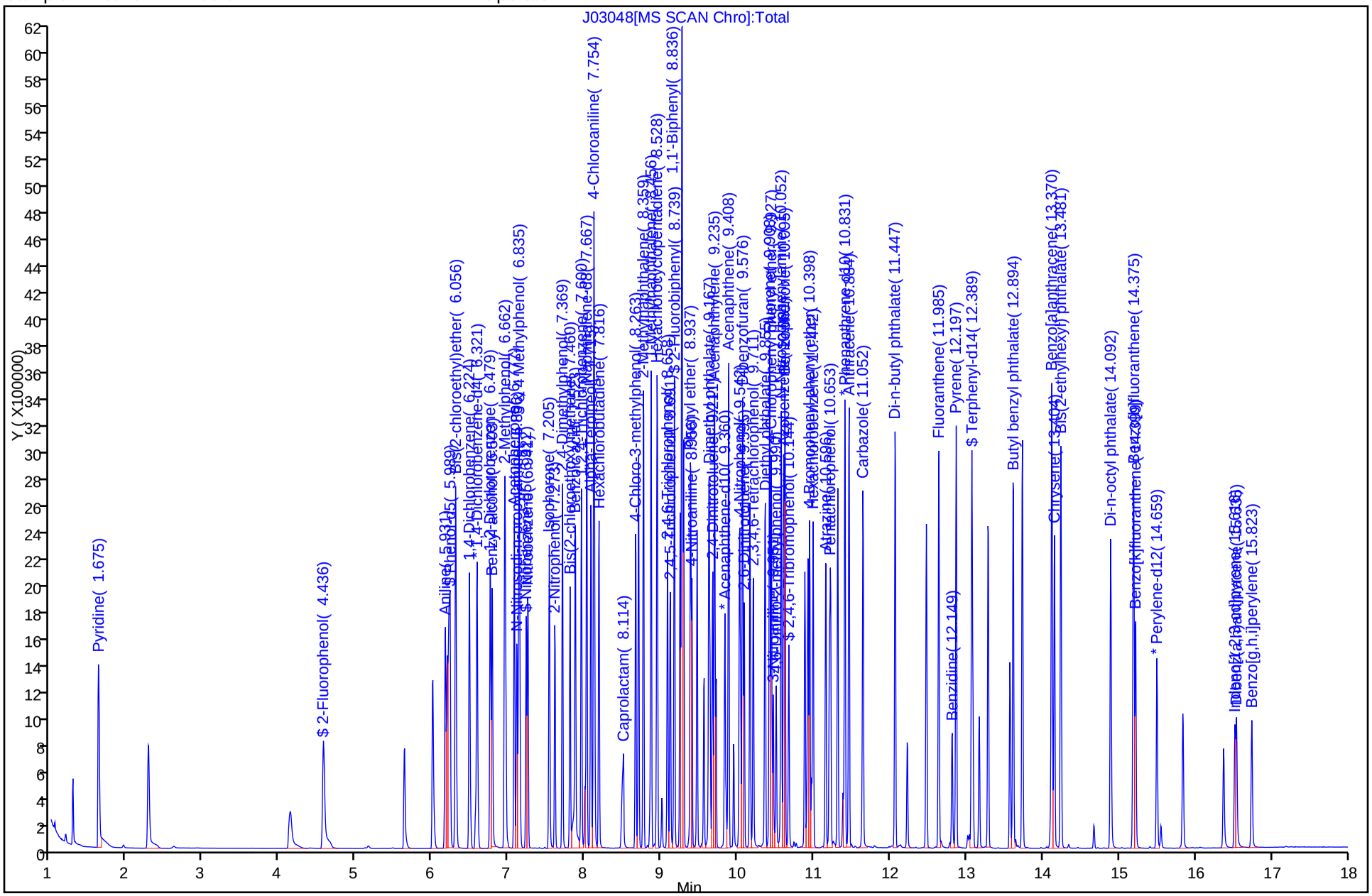
Inj Date: 21-Sep-2009 18:59:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 10

Client ID: Instrument: Inst. J

Sample Info: 20 PPM

Sample Amount: 1.00 ul Operator:

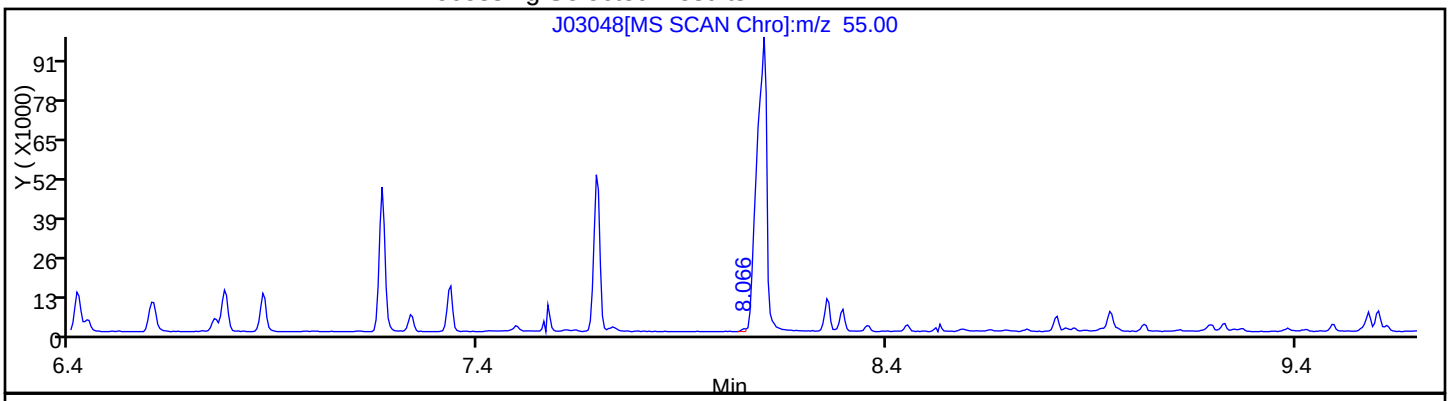


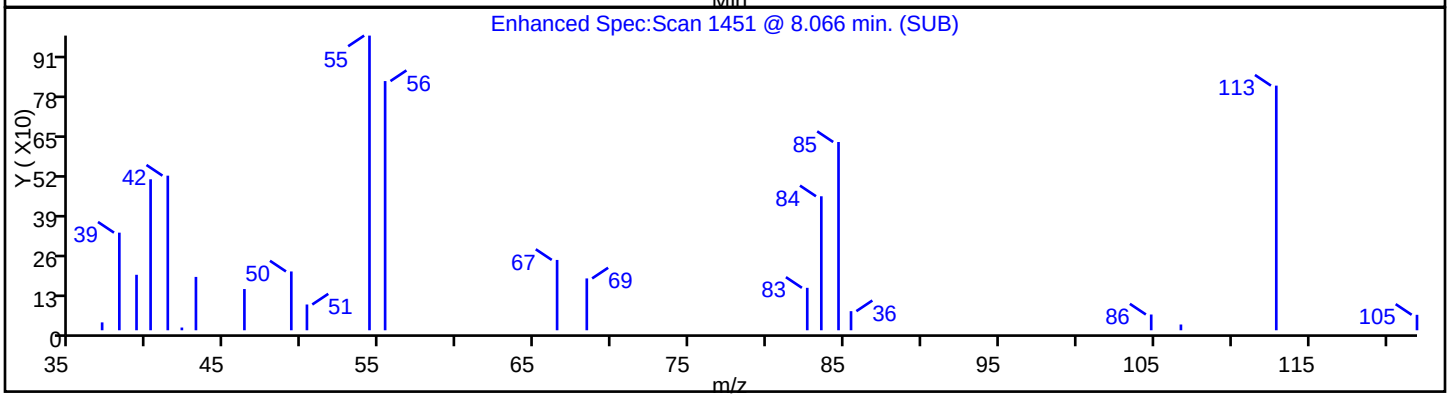
Chrom Revision: 1.1 20-Sep-2009 21:03:36
User Selected Alternate Hit Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Inj Date:	21-Sep-2009 18:59:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	10
Client ID:		Instrument:	Inst. J
Sample Info:	20 PPM		
Sample Amount:	1.00 ul	Operator:	

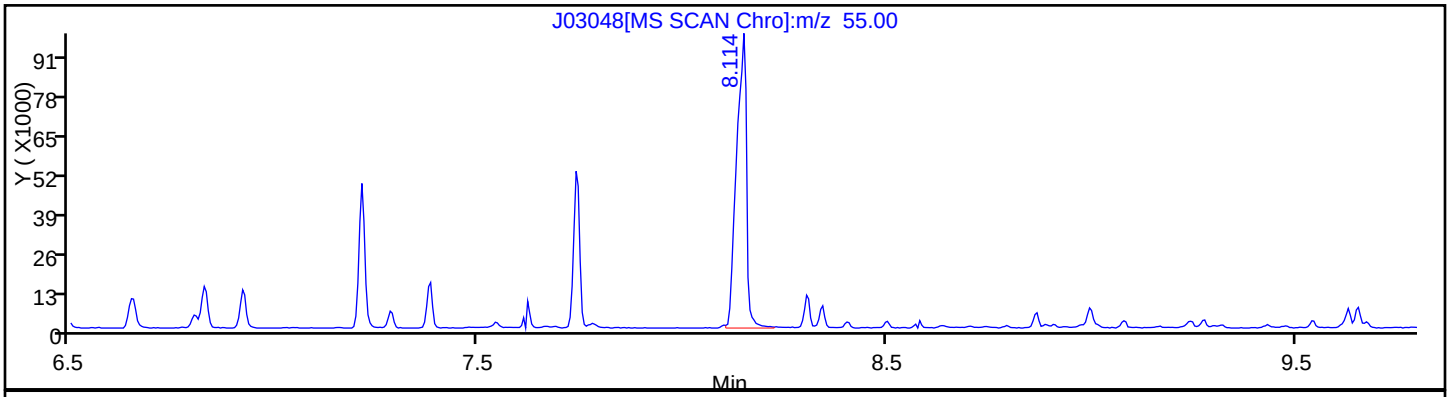
44 Caprolactam

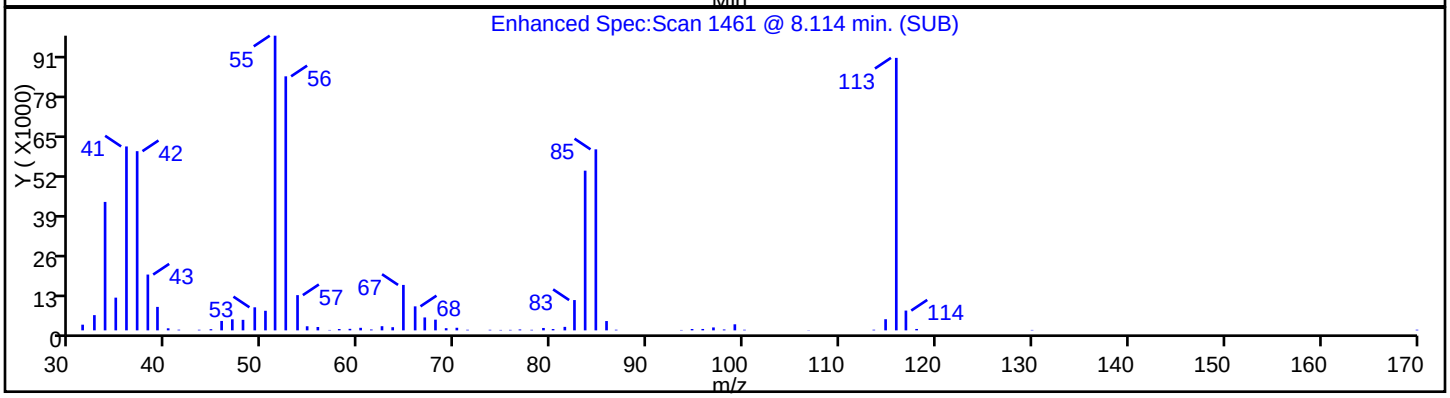
Processing Selected Results





Manual Selected Results





Reviewer: sullivanp, 23-Sep-2009 14:47:55
Audit Action: Selected Alternate Hit
Audit Reason:

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49396

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49396/3	J03092.D
Level 2	STD025 360-49396/4	J03093.D
Level 3	STD05 360-49396/5	J03094.D
Level 4	STD1 360-49396/6	J03095.D
Level 5	STD25 360-49396/7	J03096.D
Level 6	STD5 360-49396/2	J03091.D
Level 7	STD8 360-49396/8	J03097.D
Level 8	STD10 360-49396/9	J03098.D
Level 9	STD20 360-49396/10	J03099.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	0.6721 0.2368	0.4334 0.2250	0.3691 0.2546	0.3106 0.2770	0.2926	Lin2	0.0424	0.2570							0.9910		0.9900
Pyridine	0.6825 0.6289	0.6933 0.5887	0.6385 0.6790	0.7085 0.7420	0.7193	Ave		0.6756				7.2		15.0			
N-Nitrosodimethylamine	0.3777 0.3207	0.3453 0.3026	0.3641 0.3449	0.3634 0.3845	0.3637	Ave		0.3519				7.6		15.0			
Benzoic acid	+++++ 0.1077	+++++ 0.0727	0.0136 0.0586	0.0356 0.1208	0.0296	Qua	0.0102	0.0158	0.0052						0.9950		0.9900
2,4-Dinitrophenol	+++++ 0.0639	+++++ 0.0476	+++++ 0.0467	0.0173 0.0803	0.0166	Qua	-0.014	0.0209	0.0030	*	0.0500				0.9990		0.9900
Benzaldehyde	0.4770 0.3889	0.4220 0.3643	0.4235 0.4226	0.4283 0.4477	0.4383	Ave		0.4236				7.6		15.0			
Phenol	0.8394 0.7411	0.8378 0.7106	0.8533 0.8100	0.8645 0.8725	0.8569	Ave		0.8207				7.0		15.0			
Aniline	0.9568 0.8803	0.9553 0.8385	0.9450 0.9788	0.9512 1.0655	1.0073	Ave		0.9532				6.9		15.0			
Bis(2-chloroethyl)ether	0.7921 0.5981	0.7060 0.5753	0.7409 0.6442	0.7145 0.6887	0.7100	Ave		0.6855				10.0		15.0			
2-Chlorophenol	0.6525 0.5996	0.6720 0.5790	0.6509 0.6547	0.6763 0.7156	0.6979	Ave		0.6554				6.6		15.0			
1,4-Dichlorobenzene	0.8572 0.6654	0.8481 0.6425	0.8191 0.7355	0.8142 0.7899	0.8006	Ave		0.7747				10.0		15.0			
1,3-Dichlorobenzene	0.9153 0.6846	0.8701 0.6581	0.8524 0.7537	0.8479 0.8079	0.8191	Ave		0.8010				11.0		15.0			
Benzyl alcohol	0.5662 0.5037	0.5124 0.4793	0.4934 0.5479	0.4992 0.6194	0.5582	Ave		0.5311				8.5		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.: 360-24417-1 Analy Batch No.: 49396

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

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	0.9018 0.6335	0.8485 0.6076	0.8203 0.6934	0.7861 0.7323	0.7613	Ave		0.7539				13.0		15.0			
2-Methylphenol	0.6154 0.5455	0.5680 0.5219	0.5933 0.6010	0.5991 0.6508	0.6272	Ave		0.5914				6.8		15.0			
2,2'-oxybis[1-chloropropane]	0.7426 0.5864	0.7015 0.5465	0.7138 0.6245	0.6734 0.6832	0.6630	Ave		0.6595				9.5		15.0			
3 & 4 Methylphenol	0.6215 0.5732	0.6213 0.5448	0.5973 0.6212	0.6233 0.6770	0.6482	Ave		0.6142				6.3		15.0			
N-Nitrosodi-n-propylamine	0.4516 0.4251	0.4240 0.3993	0.4289 0.4552	0.4413 0.5055	0.4683	Ave		0.4443			0.0500	6.9		15.0			
Acetophenone	0.8952 0.7772	0.9128 0.7418	0.8977 0.8500	0.8883 0.9139	0.9120	Ave		0.8654				7.4		15.0			
Hexachloroethane	0.2847 0.2509	0.2677 0.2421	0.2752 0.2710	0.2775 0.3054	0.2842	Ave		0.2732				6.9		15.0			
Nitrobenzene	0.2983 0.3151	0.2825 0.3370	0.2949 0.3311	0.3124 0.3323	0.3343	Ave		0.3153				6.3		15.0			
Isophorone	0.4506 0.5527	0.4512 0.5908	0.4564 0.5868	0.4989 0.5802	0.5661	Ave		0.5260				12.0		15.0			
2,4-Dimethylphenol	0.2572 0.2840	0.2599 0.2942	0.2474 0.2877	0.2672 0.2886	0.2937	Ave		0.2755				6.4		15.0			
2-Nitrophenol	0.0997 0.1586	0.1046 0.1710	0.1050 0.1602	0.1280 0.1663	0.1435	Lin1	-0.014	0.1644							0.9970		0.9900
4,6-Dinitro-2-methylphenol	+++++ 0.0719	+++++ 0.0508	0.0149 0.0479	0.0253 0.0764	0.0213	Qua	-0.010	0.0272	0.0025						0.9980		0.9900
Bis(2-chloroethoxy)methane	0.3507 0.3275	0.3385 0.3518	0.3301 0.3459	0.3331 0.3391	0.3535	Ave		0.3411				2.9		15.0			
2,4-Dichlorophenol	0.1808 0.2207	0.1861 0.2402	0.1940 0.2390	0.2100 0.2348	0.2355	Ave		0.2157				11.0		15.0			
1,2,4-Trichlorobenzene	0.2909 0.2558	0.2797 0.2757	0.2759 0.2701	0.2779 0.2577	0.2856	Ave		0.2744				4.2		15.0			
Alpha-Terpineol	0.1805 0.1993	0.1687 0.2152	0.1741 0.2121	0.1820 0.2130	0.2074	Ave		0.1947				9.4		15.0			
Naphthalene	0.9667 0.8538	0.9178 0.9044	0.9020 0.8950	0.9169 0.8567	0.9518	Ave		0.9072				4.1		15.0			
4-Chloroaniline	0.3184 0.3242	0.2978 0.3574	0.3114 0.3659	0.3176 0.3634	0.3572	Ave		0.3348				7.8		15.0			
Hexachlorobutadiene	0.1512 0.1373	0.1485 0.1463	0.1352 0.1469	0.1444 0.1387	0.1561	Ave		0.1449				4.7		15.0			
Caprolactam	0.0648 0.0826	0.0460 0.0884	0.0474 0.0891	0.0542 0.0932	0.0734	Lin1	-0.009	0.0895							0.9930		0.9900

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49396

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.1901 0.2439	0.2012 0.2603	0.1941 0.2568	0.2161 0.2610	0.2487	Ave		0.2303				13.0		15.0			
2-Methylnaphthalene	0.6018 0.5370	0.5767 0.5722	0.5512 0.5712	0.5692 0.5472	0.5964	Ave		0.5692				3.8		15.0			
1-Methylnaphthalene	0.5842 0.5344	0.5801 0.5624	0.5561 0.5564	0.5495 0.5366	0.5805	Ave		0.5600				3.3		15.0			
1,2,4,5-Tetrachlorobenzene	0.2285 0.2102	0.2231 0.2180	0.2187 0.2196	0.2232 0.2030	0.2275	Ave		0.2191				3.7		15.0			
Hexachlorocyclopentadiene	0.1578 0.2233	0.1663 0.1941	0.1635 0.1812	0.1707 0.2045	0.1611	Ave		0.1803			0.0500	13.0		15.0			
2,4,6-Trichlorophenol	0.2281 0.3086	0.2356 0.3382	0.2478 0.3206	0.2730 0.3261	0.3289	Ave		0.2897				15.0		15.0			
2,4,5-Trichlorophenol	0.2386 0.3095	0.2481 0.3469	0.2623 0.3306	0.2799 0.3340	0.3278	Ave		0.2975				14.0		15.0			
1,1'-Biphenyl	1.5333 1.3052	1.4393 1.3932	1.4172 1.3527	1.3817 1.2827	1.5149	Ave		1.4023				6.1		15.0			
2-Chloronaphthalene	1.3038 1.1604	1.2616 1.2552	1.2543 1.2042	1.2326 1.1726	1.3278	Ave		1.2414				4.5		15.0			
Phenyl ether	0.3935 0.3450	0.3777 0.3714	0.3666 0.3704	0.3717 0.3540	0.3831	Ave		0.3704				3.9		15.0			
2-Nitroaniline	0.2123 0.3025	0.1992 0.3319	0.2088 0.3121	0.2342 0.3287	0.3104	Lin1	-0.026	0.3227							0.9970		0.9900
Benzidine	+++++ 0.1585	+++++ 0.1497	0.0681 0.1858	0.0907 0.1812	0.1639	Lin1	-0.069	0.1806							0.9940		0.9900
Dimethyl phthalate	1.1186 1.1692	1.1606 1.2670	1.2000 1.2173	1.2218 1.1958	1.3140	Ave		1.2071				4.8		15.0			
2,6-Dinitrotoluene	0.1741 0.2748	0.1994 0.3050	0.2211 0.2896	0.2572 0.2952	0.3060	Lin2	-0.013	0.2839							0.9910		0.9900
Acenaphthylene	1.4498 1.5883	1.5110 1.7414	1.5431 1.6635	1.6040 1.6428	1.8169	Ave		1.6179				7.0		15.0			
Pentachlorophenol	+++++ 0.0950	0.0320 0.0798	0.0360 0.0728	0.0474 0.0963	0.0501	Qua	-0.009	0.0671	0.0015						0.9930		0.9900
3-Nitroaniline	0.1764 0.2740	0.1920 0.3019	0.2201 0.2885	0.2360 0.3000	0.3006	Lin1	-0.021	0.2961							0.9980		0.9900
Acenaphthene	1.1547 1.0168	1.1184 1.1006	1.1063 1.0664	1.0694 1.0238	1.1651	Ave		1.0913				4.8		15.0			
4-Nitrophenol	0.0429 0.1494	0.0720 0.1472	0.0753 0.1360	0.0883 0.1612	0.1021	Lin	-0.074	0.1601			0.0500				0.9940		0.9900
Dibenzofuran	1.6177 1.3887	1.5267 1.5230	1.4851 1.4575	1.4747 1.3909	1.6074	Ave		1.4969				5.5		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.: 360-24417-1 Analy Batch No.: 49396

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4-Dinitrotoluene	0.1611 0.3274	0.1813 0.3715	0.2045 0.3579	0.2517 0.3637	0.3369	Lin1	-0.038	0.3604							0.9970		0.9900
2,3,4,6-Tetrachlorophenol	0.0918 0.2314	0.1281 0.2409	0.1390 0.2312	0.1808 0.2507	0.1954	Lin1	-0.027	0.2415							0.9960		0.9900
Diethyl phthalate	1.3140 1.1681	1.1601 1.2499	1.1644 1.2063	1.1561 1.2159	1.3040	Ave		1.2154				5.1		15.0			
4-Chlorophenyl phenyl ether	0.5774 0.5432	0.5860 0.5843	0.5766 0.5619	0.5526 0.5484	0.6231	Ave		0.5726				4.3		15.0			
Fluorene	1.1893 1.1244	1.1475 1.2287	1.1487 1.1670	1.1394 1.1552	1.3057	Ave		1.1784				4.8		15.0			
4-Nitroaniline	0.1403 0.2045	0.1459 0.2386	0.1547 0.2419	0.1770 0.2551	0.2356	Lin1	-0.022	0.2439							0.9950		0.9900
Diphenylamine	0.5968 0.6151	0.5802 0.6641	0.5954 0.6179	0.6473 0.6126	0.6791	Ave		0.6232				5.4		15.0			
N-Nitrosodiphenylamine	0.5968 0.6151	0.5802 0.6641	0.5954 0.6179	0.6473 0.6126	0.6791	Ave		0.6232				5.4		15.0			
1,2-Diphenylhydrazine	0.6240 0.7611	0.6417 0.8217	0.7061 0.7730	0.7593 0.7973	0.8271	Ave		0.7457				9.9		15.0			
Azobenzene	0.6240 0.7611	0.6417 0.8217	0.7061 0.7730	0.7593 0.7973	0.8271	Ave		0.7457				9.9		15.0			
4-Bromophenyl phenyl ether	0.1915 0.1736	0.1725 0.1919	0.1852 0.1787	0.1897 0.1780	0.1996	Ave		0.1845				5.1		15.0			
Atrazine	0.1308 0.1810	0.1437 0.2022	0.1510 0.1890	0.1689 0.1901	0.2003	Ave		0.1730				15.0		15.0			
Hexachlorobenzene	0.2011 0.1748	0.1784 0.1931	0.1969 0.1811	0.1976 0.1763	0.2077	Ave		0.1897				6.4		15.0			
Pentachloronitrobenzene	0.0492 0.0692	0.0463 0.0763	0.0519 0.0732	0.0621 0.0763	0.0748	Lin1	-0.005	0.0751							0.9980		0.9900
Phenanthrene	1.1476 0.9468	1.0519 1.0357	1.0620 0.9817	1.0352 0.9535	1.0813	Ave		1.0329				6.2		15.0			
Anthracene	0.8620 0.9168	0.8390 1.0052	0.8887 0.9530	0.9041 0.9434	1.0098	Ave		0.9247				6.4		15.0			
Carbazole	0.7512 0.8029	0.7839 0.8834	0.7795 0.8189	0.8254 0.8266	0.8854	Ave		0.8175				5.5		15.0			
Di-n-butyl phthalate	1.5284 1.1429	1.1485 1.2522	1.0759 1.1743	1.0474 1.1996	1.2384	Ave		1.2008				12.0		15.0			
Pyrene	1.4357 1.1000	1.2500 1.3510	1.2258 1.2485	1.2165 1.2933	1.4595	Ave		1.2867				8.8		15.0			
Fluoranthene	0.9959 0.9318	0.8929 1.0112	0.9292 0.9558	0.9449 0.9255	1.0349	Ave		0.9580				4.8		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49396

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

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								
Butyl benzyl phthalate	0.6131 0.5968	0.4816 0.7287	0.5124 0.6831	0.5683 0.7224	0.7639	Lin1	-0.037	0.7042							0.9950		0.9900
Benzo[a]pyrene	+++++ 0.7860	0.6523 0.9694	0.6302 0.9468	0.7346 0.9661	0.8626	Lin1	-0.134	0.9506							0.9960		0.9900
Bis(2-ethylhexyl) phthalate	0.8504 0.7982	0.5431 0.9075	0.5519 0.8624	0.6240 0.9191	0.8606	Lin1	-0.060	0.8886							0.9950		0.9900
3,3'-Dichlorobenzidine	0.1963 0.2281	0.1593 0.2300	0.1615 0.2501	0.2004 0.2375	0.2542	Lin1	-0.013	0.2392							0.9970		0.9900
Benzo[a]anthracene	0.8951 0.8590	0.7945 0.9399	0.8247 0.8930	0.8638 0.8973	0.9430	Ave		0.8789				5.6		15.0			
Chrysene	1.0256 0.8217	0.9454 0.8885	0.8496 0.8432	0.8686 0.8362	0.9258	Ave		0.8894				7.4		15.0			
Di-n-octyl phthalate	0.9002 1.7203	0.8024 2.4899	0.8630 2.2936	1.1243 2.4694	2.1427	Lin	-1.105	2.4919							0.9950		0.9900
Benzo[b]fluoranthene	0.0409 1.2206	1.2862 1.5285	1.2390 1.4786	1.3135 1.2957	1.5467	Lin1	-0.089	1.3929							0.9920		0.9900
Benzo[k]fluoranthene	0.0409 1.0519	1.2862 1.3331	1.0280 1.2947	1.0646 1.3371	1.4220	Lin1	-0.108	1.3104							0.9940		0.9900
Dibenz(a,h)anthracene	+++++ 0.3634	0.1853 0.5147	0.2280 0.5195	0.3290 0.6195	0.4469	Qua	-0.109	0.4201	0.0103						0.9980		0.9900
Benzo[g,h,i]perylene	+++++ 0.4565	0.4005 0.5717	0.4226 0.5539	0.5554 0.6454	0.5459	Lin	-0.335	0.6395							0.9920		0.9900
Indeno[1,2,3-cd]pyrene	0.0875 0.4949	0.3007 0.6518	0.3164 0.6592	0.4604 0.7698	0.5577	Lin	-0.479	0.7621							0.9900		0.9900
2-Fluorophenol	0.6292 0.5840	0.6238 0.5618	0.6062 0.6402	0.6406 0.6946	0.6612	Ave		0.6268				6.3		15.0			
Phenol-d5	0.8192 0.7090	0.7430 0.6781	0.7719 0.7707	0.7851 0.8323	0.8113	Ave		0.7689				6.7		15.0			
Nitrobenzene-d5	0.3069 0.3119	0.2910 0.3345	0.2739 0.3291	0.2964 0.3308	0.3236	Ave		0.3109				6.7		15.0			
2-Fluorobiphenyl	1.3700 1.2244	1.3648 1.3418	1.3893 1.2918	1.3333 1.2209	1.4324	Ave		1.3299				5.4		15.0			
2,4,6-Tribromophenol	0.0591 0.0809	0.0537 0.0908	0.0565 0.0826	0.0666 0.0884	0.0765	Lin1	-0.007	0.0864							0.9970		0.9900
Terphenyl-d14	0.8939 0.7283	0.8227 0.8622	0.8153 0.8024	0.7885 0.8136	0.9542	Ave		0.8312				7.8		15.0			

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

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

Lab Name: TestAmerica Westfield Job No.: 360-24417-1 Analy Batch No.: 49396

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-49396/3	J03092.D
Level 2	STD025 360-49396/4	J03093.D
Level 3	STD05 360-49396/5	J03094.D
Level 4	STD1 360-49396/6	J03095.D
Level 5	STD25 360-49396/7	J03096.D
Level 6	STD5 360-49396/2	J03091.D
Level 7	STD8 360-49396/8	J03097.D
Level 8	STD10 360-49396/9	J03098.D
Level 9	STD20 360-49396/10	J03099.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Lin2	2335 52469	3974 91100	6341 82454	10362 219425	29647	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyridine	DCB	Ave	2371 139346	6358 238381	10967 219939	23636 587683	72876	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodimethylamine	DCB	Ave	1312 71053	3166 122509	6254 111736	12122 304523	36850	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzoic acid	NPT	Qua	+++++ 48816	+++++ 53468	557 40193	2711 224331	6632	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrophenol	ANT	Qua	+++++ 14094	+++++ 16775	+++++ 15951	628 73615	1722	+++++ 5.00	+++++ 8.00	+++++ 10.0	1.00 20.0	2.50
Benzaldehyde	DCB	Ave	1657 86166	3870 147523	7274 136902	14288 354559	44410	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol	DCB	Ave	2916 164201	7683 287740	14657 262366	28838 691050	86822	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Aniline	DCB	Ave	3324 195038	8760 339537	16233 317062	31731 843876	102055	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethyl)ether	DCB	Ave	2752 132518	6474 232970	12727 208662	23836 545442	71937	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chlorophenol	DCB	Ave	2267 132853	6162 234461	11180 212084	22561 566781	70712	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,4-Dichlorobenzene	DCB	Ave	2978 147435	7777 260153	14070 238255	27161 625642	81109	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,3-Dichlorobenzene	DCB	Ave	3180 151691	7979 266473	14642 244127	28284 639869	82988	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzyl alcohol	DCB	Ave	1967 111606	4699 194085	8476 177482	16653 490545	56553	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Dichlorobenzene	DCB	Ave	3133 140359	7781 246044	14091 224603	26224 579998	77137	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.: 360-24417-1 Analy Batch No.: 49396

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

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	2138 120866	5209 211347	10191 194663	19984 515444	63545	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,2'-oxybis[1-chloropropane]	DCB	Ave	2580 129928	6433 221300	12262 202298	22462 541137	67171	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3 & 4 Methylphenol	DCB	Ave	2159 127002	5697 220605	10260 201229	20794 536187	65669	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodi-n-propylamine	DCB	Ave	1569 94180	3888 161665	7368 147442	14721 400330	47442	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acetophenone	DCB	Ave	3110 172209	8370 300377	15420 275334	29633 723832	92401	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachloroethane	DCB	Ave	989 55581	2455 98020	4728 87769	9257 241906	28791	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene	NPT	Ave	2489 142741	6153 247953	12106 227171	23789 616989	74856	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Isophorone	NPT	Ave	3759 250401	9830 434745	18735 402572	37994 1077260	126741	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dimethylphenol	NPT	Ave	2146 128670	5661 216487	10158 197346	20346 535823	65762	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitrophenol	NPT	Lin1	832 71846	2279 125838	4311 109921	9748 308704	32129	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	+++++ 25613	+++++ 28674	448 26767	1404 114956	3565	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-chloroethoxy)methane	NPT	Ave	2926 148387	7375 258859	13551 237295	25364 629695	79143	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dichlorophenol	NPT	Ave	1508 99990	4055 176724	7965 163946	15990 435981	52736	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2,4-Trichlorobenzene	NPT	Ave	2427 115898	6093 202853	11327 185304	21160 478405	63933	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Alpha-Terpineol	NPT	Ave	1506 90274	3674 158338	7147 145534	13857 395511	46435	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Naphthalene	NPT	Ave	8065 386804	19994 665484	37029 613972	69822 1590671	213094	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloroaniline	NPT	Ave	2656 146890	6488 262963	12782 251005	24184 674792	79976	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobutadiene	NPT	Ave	1261 62197	3235 107617	5551 100787	10997 257437	34945	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Caprolactam	NPT	Lin1	541 37409	1001 65044	1945 61126	4131 172985	16438	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Chloro-3-methylphenol	NPT	Ave	1586 110508	4384 191559	7969 176141	16458 484578	55673	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Methylnaphthalene	NPT	Ave	5021 243296	12562 421070	22628 391886	43348 1015979	133528	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.: 360-24417-1 Analy Batch No.: 49396

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1-Methylnaphthalene	NPT	Ave	4874 242119	12637 413805	22830 381670	41847 996316	129966	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	1906 95237	4861 160435	8977 150658	17000 376956	50925	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorocyclopentadiene	ANT	Ave	629 49231	1719 68457	3133 61875	6192 187429	16728	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Trichlorophenol	ANT	Ave	909 68024	2435 119298	4749 109466	9904 298958	34145	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,5-Trichlorophenol	ANT	Ave	951 68223	2564 122365	5027 112896	10154 306195	34033	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,1'-Biphenyl	ANT	Ave	6111 287717	14874 491438	27158 461945	50122 1175836	157292	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Chloronaphthalene	ANT	Ave	5196 255785	13037 442774	24037 411212	44713 1074893	137859	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenyl ether	NPT	Ave	3283 156285	8228 273265	15050 254125	28305 657262	85777	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Nitroaniline	ANT	Lin1	846 66673	2059 117088	4002 106585	8495 301289	32228	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzidine	PHN	Lin1	+++++ 56472	+++++ 84586	2052 103873	5022 272774	27485	+++++ 5.00	+++++ 8.00	0.500 10.0	1.00 20.0	2.50
Dimethyl phthalate	ANT	Ave	4458 257733	11994 446933	22997 415702	44319 1096147	136430	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,6-Dinitrotoluene	ANT	Lin2	694 60568	2061 107580	4237 98900	9331 270639	31772	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthylene	ANT	Ave	5778 350128	15614 614292	29572 568052	58185 1505909	188647	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachlorophenol	PHN	Qua	+++++ 33849	526 45066	1084 40693	2623 144989	8409	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3-Nitroaniline	ANT	Lin1	703 60408	1984 106486	4218 98513	8562 275002	31206	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Acenaphthene	ANT	Ave	4602 224133	11557 388249	21201 364159	38793 938532	120968	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitrophenol	ANT	Lin	171 32942	744 51933	1443 46446	3202 147748	10604	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenzofuran	ANT	Ave	6447 306124	15777 537246	28461 497711	53493 1275031	166897	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4-Dinitrotoluene	ANT	Lin1	642 72163	1874 131054	3919 122207	9130 333409	34984	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,3,4,6-Tetrachlorophenol	ANT	Lin1	366 50999	1324 84995	2663 78954	6560 229822	20286	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diethyl phthalate	ANT	Ave	5237 257495	11988 440888	22315 411939	41936 1114618	135392	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.: 360-24417-1 Analy Batch No.: 49396

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chlorophenyl phenyl ether	ANT	Ave	2301 119735	6056 206118	11049 191869	20044 502685	64698	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluorene	ANT	Ave	4740 247867	11858 433421	22013 398525	41331 1058905	135567	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Nitroaniline	ANT	Lin1	559 45089	1508 84166	2965 82604	6422 233875	24458	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Diphenylamine	PHN	Ave	3709 219155	9551 375207	17947 345340	35851 922038	113882	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
N-Nitrosodiphenylamine	PHN	Ave	3709 219155	9551 375207	17947 345340	35851 922038	113882	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
1,2-Diphenylhydrazine	PHN	Ave	3878 271184	10564 464232	21284 432039	42058 1200124	138716	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Azobenzene	PHN	Ave	3878 271184	10564 464232	21284 432039	42058 1200124	138716	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
4-Bromophenyl phenyl ether	PHN	Ave	1190 61861	2840 108400	5584 99880	10505 267972	33480	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Atrazine	PHN	Ave	813 64500	2365 114254	4551 105613	9353 286078	33587	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Hexachlorobenzene	PHN	Ave	1250 62263	2936 109117	5936 101215	10946 265443	34827	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pentachloronitrobenzene	PHN	Lin1	306 24641	763 43126	1564 40940	3439 114830	12544	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenanthrene	PHN	Ave	7132 337336	17316 585121	32013 548703	57339 1435212	181339	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Anthracene	PHN	Ave	5357 326660	13812 567916	26788 532662	50078 1420085	169356	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Carbazole	PHN	Ave	4668 286088	12905 499105	23498 457687	45716 1244280	148484	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-butyl phthalate	PHN	Ave	9498 407218	18907 707440	32430 656365	58010 1805707	207680	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Pyrene	CRY	Ave	5580 314946	14681 549157	26374 501474	49811 1352874	162928	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Fluoranthene	PHN	Ave	6189 331993	14699 571286	28010 534213	52337 1393027	173558	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Butyl benzyl phthalate	CRY	Lin1	2383 170864	5656 296221	11025 274383	23271 755722	85277	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[a]pyrene	PRY	Lin1	+++++ 145702	4288 175440	7751 171125	16828 486989	42234	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Bis(2-ethylhexyl) phthalate	CRY	Lin1	3305 228528	6379 368890	11875 346395	25551 961483	96072	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
3,3'-Dichlorobenzidine	CRY	Lin1	763 65312	1871 93475	3474 100441	8206 248417	28376	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.: 360-24417-1 Analy Batch No.: 49396

SDG No.: OCRI-10

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

Calibration Start Date: 09/23/2009 16:23 Calibration End Date: 09/23/2009 20:48 Calibration ID: 4771

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzo[a]anthracene	CRY	Ave	3479 245958	9332 382040	17743 358671	35368 938654	105274	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Chrysene	CRY	Ave	3986 235274	11104 361160	18280 338655	35567 874764	103347	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Di-n-octyl phthalate	PRY	Lin	2068 318881	5275 450597	10614 414548	25753 1244825	104914	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[b]fluoranthene	PRY	Lin1	94 226249	8455 276624	15238 267242	30088 653170	75731	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[k]fluoranthene	PRY	Lin1	94 194989	8455 241262	12643 234013	24386 674055	69628	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Dibenz(a,h)anthracene	PRY	Qua	+++++ 67357	1218 93152	2804 93897	7536 312311	21884	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Benzo[g,h,i]perylene	PRY	Lin	+++++ 84624	2633 103457	5198 100108	12722 325352	26729	+++++ 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Indeno[1,2,3-cd]pyrene	PRY	Lin	201 91728	1977 117962	3891 119142	10547 388032	27307	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorophenol	DCB	Ave	2186 129387	5720 227477	10413 207372	21371 550118	66988	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Phenol-d5	DCB	Ave	2846 157085	6813 274575	13259 249631	26190 659207	82200	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Nitrobenzene-d5	NPT	Ave	2560 141295	6340 246121	11242 225785	22568 614260	72444	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2-Fluorobiphenyl	ANT	Ave	5460 269912	14104 473319	26624 441120	48367 1119193	148727	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
2,4,6-Tribromophenol	PHN	Lin1	367 28839	884 51274	1703 46181	3689 133076	12826	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50
Terphenyl-d14	CRY	Ave	3474 208518	9663 350468	17542 322292	32285 851109	106527	0.100 5.00	0.250 8.00	0.500 10.0	1.00 20.0	2.50

Curve Type Legend:

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03091.D		
Lims ID:	std5	Client ID:	
Inject. Date:	23-Sep-2009 16:23:30	Dil. Factor:	1.0000
Sample Type:	ICIS, ICal ISTD Check	Calib Level:	6
Sample ID:	STD5		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	49396	Lims Sample ID:	2
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:52:12	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 16:28:11
Reviewed By:	rachtank	Date:	25-Sep-2009 17:58:19
Reviewed By:	rachtank	Date:	25-Sep-2009 18:30:59
Reviewed By:	rachtank	Date:	25-Sep-2009 18:52:12

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	8.575	8.575	0.000	88625	2.00	
* 2 Naphthalene-d8	136	9.888	9.888	0.000	181224	2.00	
* 3 Acenaphthene-d10	164	11.686	11.686	0.000	88175	2.00	
* 4 Phenanthrene-d10	188	13.182	13.182	0.000	142519	2.00	
* 5 Chrysene-d12	240	16.004	16.004	0.000	114527	2.00	
* 6 Perylene-d12	264	17.909	17.909	0.000	74145	2.00	
$ 7 2-Fluorophenol	112	7.233	7.233	0.000	129387	4.66	
$ 8 Phenol-d5	99	8.190	8.190	0.000	157085	4.61	
$ 9 Nitrobenzene-d5	82	9.171	9.171	0.000	141295	5.02	
$ 10 2-Fluorobiphenyl	172	10.960	10.960	0.000	269912	4.60	
$ 11 2,4,6-Tribromophenol	330	12.489	12.489	0.000	28839	4.76	
$ 12 Terphenyl-d14	244	14.778	14.778	0.000	208518	4.38	
14 1,4-Dioxane	88	4.867	4.867	0.000	52469	4.44	
16 Pyridine	79	5.492	5.492	0.000	139346	4.65	
15 N-Nitrosodimethylamine	74	5.516	5.516	0.000	71053	4.56	
17 Benzaldehyde	105	8.142	8.142	0.000	86166	4.59	
18 Phenol	94	8.205	8.205	0.000	164201	4.52	
19 Aniline	93	8.277	8.277	0.000	195038	4.62	
20 Bis(2-chloroethyl)ether	93	8.310	8.310	0.000	132518	4.36	
21 2-Chlorophenol	128	8.387	8.387	0.000	132853	4.57	
22 1,4-Dichlorobenzene	146	8.536	8.536	0.000	147435	4.29	
23 1,3-Dichlorobenzene	146	8.589	8.589	0.000	151691	4.27	
24 Benzyl alcohol	79	8.709	8.709	0.000	111606	4.74	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
25 1,2-Dichlorobenzene	146	8.791	8.791	0.000	140359	4.20	
26 2-Methylphenol	108	8.815	8.815	0.000	120866	4.61	M
27 2,2'-oxybis[1-chloropropane]	45	8.854	8.854	0.000	129928	4.45	
28 3 & 4 Methylphenol	108	8.950	8.950	0.000	127002	4.67	
29 N-Nitrosodi-n-propylamine	70	8.998	8.998	0.000	94180	4.78	
30 Acetophenone	105	8.998	8.998	0.000	172209	4.49	
31 Hexachloroethane	117	9.104	9.104	0.000	55581	4.59	
32 Nitrobenzene	77	9.190	9.190	0.000	142741	5.00	
33 Isophorone	82	9.402	9.402	0.000	250401	5.25	
35 2,4-Dimethylphenol	107	9.489	9.489	0.000	128670	5.15	
34 2-Nitrophenol	139	9.513	9.513	0.000	71846	4.90	
36 Benzoic acid	105	9.532	9.532	0.000	48816	10.2	5
37 Bis(2-chloroethoxy)methane	93	9.594	9.594	0.000	148387	4.80	
38 2,4-Dichlorophenol	162	9.729	9.729	0.000	99990	5.12	
39 1,2,4-Trichlorobenzene	180	9.835	9.835	0.000	115898	4.66	
40 Alpha-Terpineol	59	9.849	9.849	0.000	90274	5.12	
41 Naphthalene	128	9.907	9.907	0.000	386804	4.71	
42 4-Chloroaniline	127	9.960	9.960	0.000	146890	4.84	
43 Hexachlorobutadiene	225	10.056	10.056	0.000	62197	4.74	
44 Caprolactam	55	10.268	10.268	0.000	37409	4.72	
45 4-Chloro-3-methylphenol	107	10.397	10.397	0.000	110508	5.30	
46 2-Methylnaphthalene	142	10.595	10.595	0.000	243296	4.72	
47 1-Methylnaphthalene	142	10.715	10.715	0.000	242119	4.77	
49 1,2,4,5-Tetrachlorobenzene	216	10.806	10.806	0.000	95237	4.80	
48 Hexachlorocyclopentadiene	237	10.811	10.811	0.000	49231	6.19	
50 2,4,6-Trichlorophenol	196	10.893	10.893	0.000	68024	5.33	
51 2,4,5-Trichlorophenol	196	10.931	10.931	0.000	68223	5.20	
52 1,1'-Biphenyl	154	11.061	11.061	0.000	287717	4.65	
53 2-Chloronaphthalene	162	11.099	11.099	0.000	255785	4.67	
54 Phenyl ether	170	11.162	11.162	0.000	156285	4.66	
55 2-Nitroaniline	65	11.220	11.220	0.000	66673	4.77	
56 Dimethyl phthalate	163	11.378	11.378	0.000	257733	4.84	
57 2,6-Dinitrotoluene	165	11.479	11.479	0.000	60568	4.89	
58 Acenaphthylene	152	11.537	11.537	0.000	350128	4.91	
59 3-Nitroaniline	138	11.633	11.633	0.000	60408	4.70	
61 Acenaphthene	153	11.720	11.720	0.000	224133	4.66	
60 2,4-Dinitrophenol	184	11.729	11.729	0.000	14094	7.00	M
62 4-Nitrophenol	109	11.739	11.739	0.000	32942	5.13	
64 Dibenzofuran	168	11.874	11.874	0.000	306124	4.64	
63 2,4-Dinitrotoluene	165	11.878	11.878	0.000	72163	4.65	
65 2,3,4,6-Tetrachlorophenol	232	11.979	11.979	0.000	50999	4.90	
66 Diethyl phthalate	149	12.071	12.071	0.000	257495	4.81	
67 4-Chlorophenyl phenyl ether	204	12.177	12.177	0.000	119735	4.74	
69 Fluorene	166	12.225	12.225	0.000	247867	4.77	
68 4-Nitroaniline	138	12.263	12.263	0.000	45089	4.29	
70 4,6-Dinitro-2-methylphenol	198	12.287	12.287	0.000	25613	8.16	
71 Diphenylamine	169	12.306	12.306	0.000	219155	4.94	
72 N-Nitrosodiphenylamine	169	12.306	12.306	0.000	219155	4.94	
74 Azobenzene	77	12.340	12.340	0.000	271184	5.10	
73 1,2-Diphenylhydrazine	77	12.340	12.340	0.000	271184	5.10	
75 4-Bromophenyl phenyl ether	248	12.677	12.677	0.000	61861	4.70	
77 Atrazine	200	12.821	12.821	0.000	64500	5.23	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
76 Hexachlorobenzene	284	12.864	12.864	0.000	62263	4.61	
78 Pentachlorophenol	266	13.028	13.028	0.000	33849	6.34	
79 Pentachloronitrobenzene	237	13.105	13.105	0.000	24641	4.68	
80 Phenanthrene	178	13.206	13.206	0.000	337336	4.58	
81 Anthracene	178	13.249	13.249	0.000	326660	4.96	
83 Carbazole	167	13.398	13.398	0.000	286088	4.91	
84 Di-n-butyl phthalate	149	13.682	13.682	0.000	407218	4.76	
85 Pyrene	202	14.437	14.437	0.000	314946	4.27	
86 Benzidine	184	14.528	14.528	0.000	56472	4.77	
87 Fluoranthene	202	14.692	14.692	0.000	331993	4.86	
89 Butyl benzyl phthalate	149	15.273	15.273	0.000	170864	4.29	
92 Bis(2-ethylhexyl) phthalate	149	15.851	15.851	0.000	228528	4.56	
91 3,3'-Dichlorobenzidine	252	15.923	15.923	0.000	65312	4.82	
93 Benzo[a]anthracene	228	15.985	15.985	0.000	245958	4.89	
94 Chrysene	228	16.038	16.038	0.000	235274	4.62	
95 Di-n-octyl phthalate	149	16.524	16.524	0.000	318881	3.90	
97 Benzo[b]fluoranthene	252	17.327	17.327	0.000	226249	4.45	
98 Benzo[k]fluoranthene	252	17.356	17.356	0.000	194989	4.10	
99 Benzo[a]pyrene	252	17.822	17.822	0.000	145702	4.28	
101 Dibenz(a,h)anthracene	278	19.823	19.823	0.000	67357	4.16	
100 Indeno[1,2,3-cd]pyrene	276	19.837	19.837	0.000	91728	3.88	
102 Benzo[g,h,i]perylene	276	20.433	20.433	0.000	84624	4.09	

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 18:52:14 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03091.D

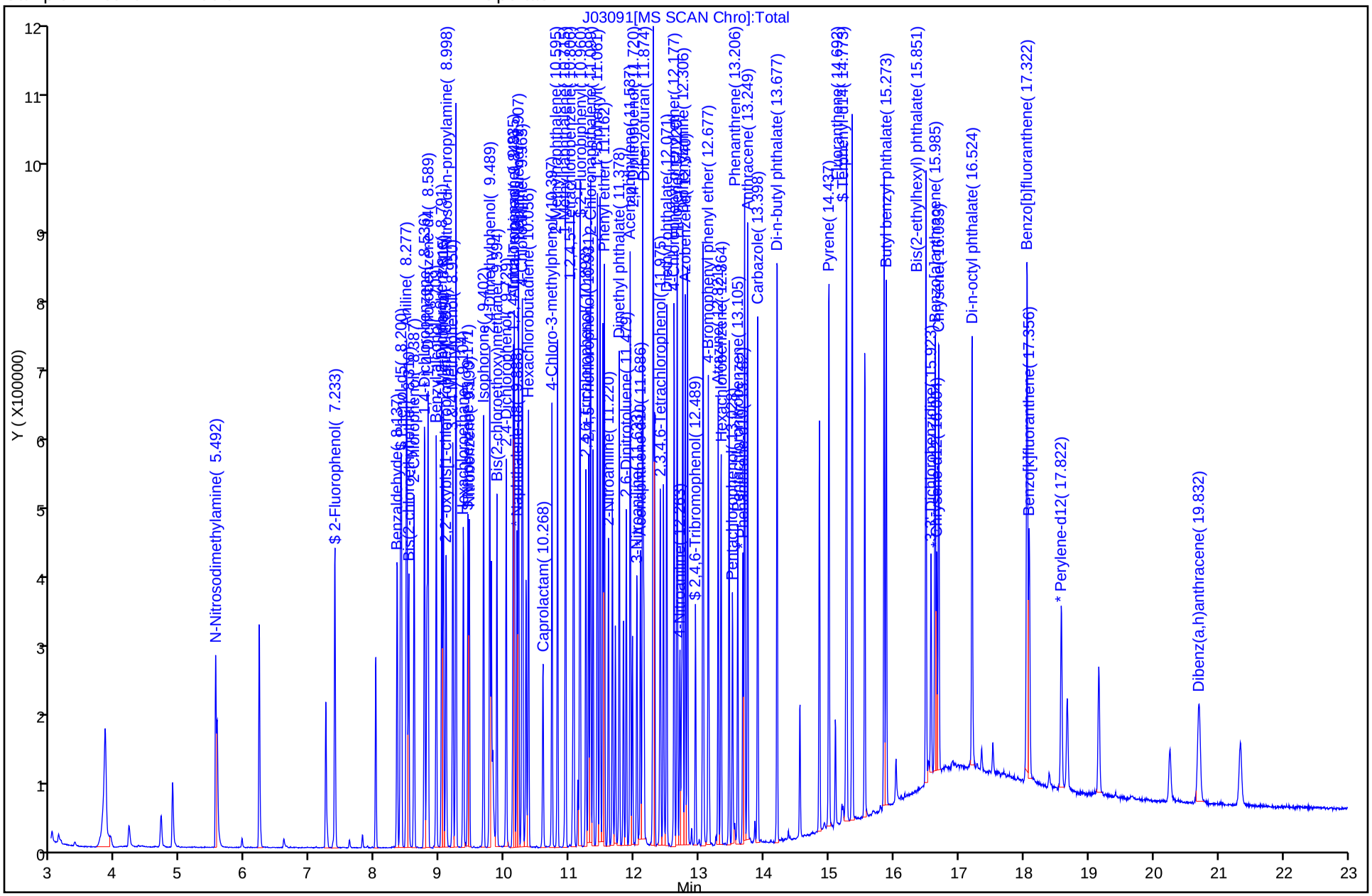
Inj Date: 23-Sep-2009 16:23:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 2

Client ID: Instrument: Inst. J

Sample Info: STD5

Sample Amount: 1.00 ul Operator:



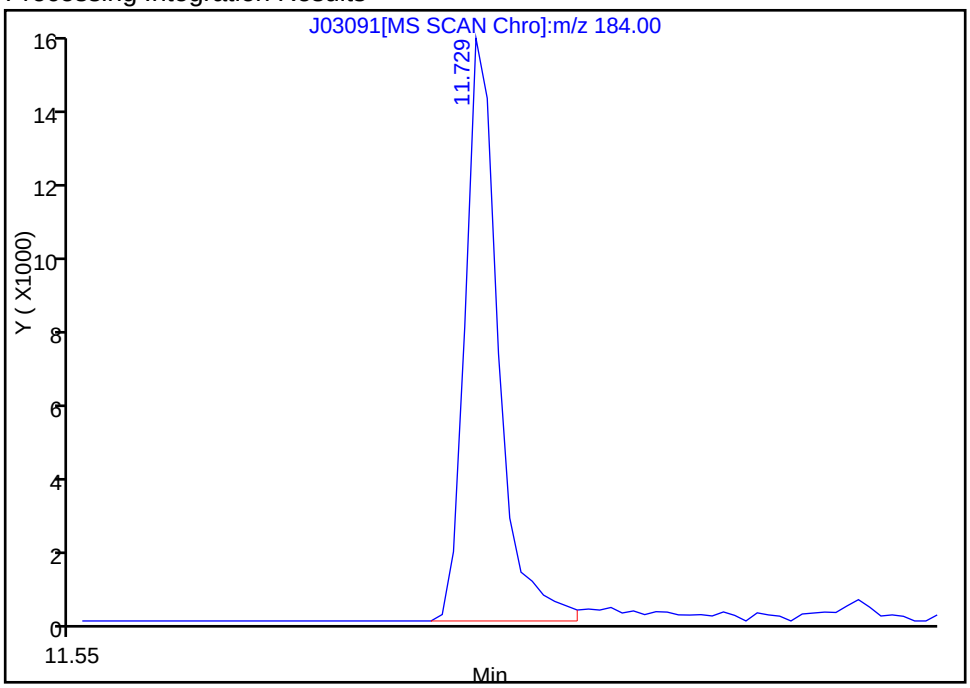
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03091.D		
Inj Date:	23-Sep-2009 16:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	STD5		
Sample Amount:	1.00 ul	Operator:	

60 2,4-Dinitrophenol, Number: 1, m/z: 184 Type: quant, RT: 11.73

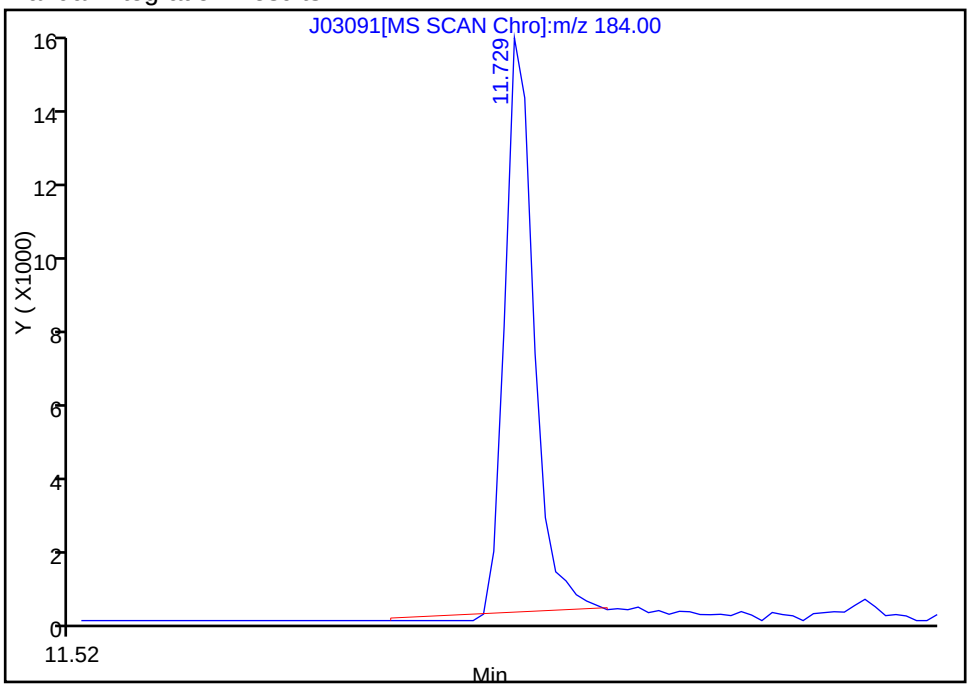
Processing Integration Results

RT: 11.73
Response: 15402
Amount: 7.484823



Manual Integration Results

RT: 11.73
Response: 14094
Amount: 6.997444



Reviewer: rachtank, 25-Sep-2009 18:52:12
Audit Action: Manually Integrated
Audit Reason: Assign Peak

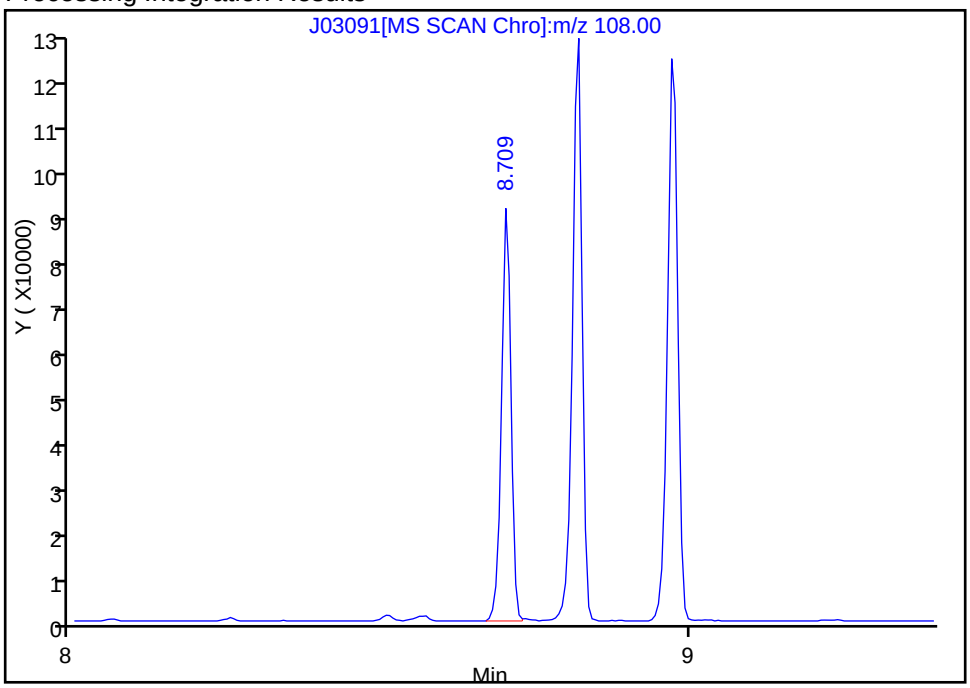
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03091.D		
Inj Date:	23-Sep-2009 16:23:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	STD5		
Sample Amount:	1.00 ul	Operator:	

26 2-Methylphenol, Number: 1, m/z: 108 Type: quant, RT: 8.82

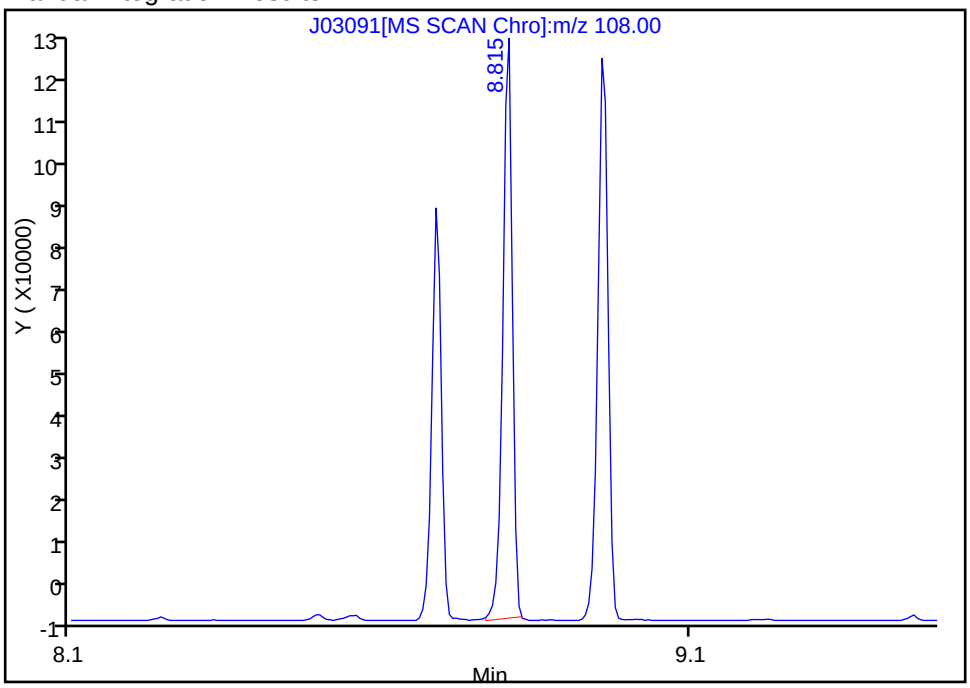
Processing Integration Results

RT: 8.71
Response: 85752
Amount: 3.842565



Manual Integration Results

RT: 8.82
Response: 120866
Amount: 4.612408



Reviewer: rachtank, 25-Sep-2009 18:30:59
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03092.D		
Lims ID:	std01	Client ID:	
Inject. Date:	23-Sep-2009 16:56:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	1
Sample ID:	STD01		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	49396	Lims Sample ID:	3
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:31:33	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 16:34:48
Reviewed By:	rachtank	Date:	25-Sep-2009 17:54:49
Reviewed By:	rachtank	Date:	25-Sep-2009 18:31:33

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	8.571	8.575	-0.004	69482	2.00	
* 2 Naphthalene-d8	136	9.889	9.888	0.000	166853	2.00	
* 3 Acenaphthene-d10	164	11.682	11.686	-0.004	79708	2.00	
* 4 Phenanthrene-d10	188	13.178	13.182	-0.004	124289	2.00	
* 5 Chrysene-d12	240	16.005	16.004	0.001	77730	2.00	
* 6 Perylene-d12	264	17.910	17.909	0.001	45944	2.00	
$ 7 2-Fluorophenol	112	7.229	7.233	-0.004	2186	0.1004	
$ 8 Phenol-d5	99	8.186	8.190	-0.004	2846	0.1065	
$ 9 Nitrobenzene-d5	82	9.172	9.171	0.001	2560	0.0987	
$ 10 2-Fluorobiphenyl	172	10.956	10.960	-0.004	5460	0.1030	
$ 11 2,4,6-Tribromophenol	330	12.490	12.489	0.001	367	0.1478	
$ 12 Terphenyl-d14	244	14.774	14.778	-0.004	3474	0.1075	
14 1,4-Dioxane	88	4.878	4.867	0.011	2335	0.0965	
16 Pyridine	79	5.537	5.492	0.045	2371	0.1017	
15 N-Nitrosodimethylamine	74	5.532	5.516	0.016	1312	0.1073	
17 Benzaldehyde	105	8.143	8.142	0.001	1657	0.1126	
18 Phenol	94	8.201	8.205	-0.004	2916	0.1023	
19 Aniline	93	8.273	8.277	-0.004	3324	0.1004	
20 Bis(2-chloroethyl)ether	93	8.311	8.310	0.001	2752	0.1155	
21 2-Chlorophenol	128	8.388	8.387	0.001	2267	0.0996	
22 1,4-Dichlorobenzene	146	8.537	8.536	0.001	2978	0.1106	
23 1,3-Dichlorobenzene	146	8.590	8.589	0.001	3180	0.1143	
24 Benzyl alcohol	79	8.710	8.709	0.001	1967	0.1066	
25 1,2-Dichlorobenzene	146	8.792	8.791	0.001	3133	0.1196	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	8.811	8.815	-0.004	2138	0.1041	
27 2,2'-oxybis[1-chloropropane]	45	8.855	8.854	0.001	2580	0.1126	
28 3 & 4 Methylphenol	108	8.951	8.950	0.001	2159	0.1012	
29 N-Nitrosodi-n-propylamine	70	8.994	8.998	-0.004	1569	0.1016	
30 Acetophenone	105	8.999	8.998	0.001	3110	0.3362	
31 Hexachloroethane	117	9.105	9.104	0.001	989	0.1042	
32 Nitrobenzene	77	9.186	9.190	-0.004	2489	0.0946	
33 Isophorone	82	9.398	9.402	-0.004	3759	0.0857	
35 2,4-Dimethylphenol	107	9.489	9.489	0.001	2146	0.0934	
34 2-Nitrophenol	139	9.509	9.513	-0.004	832	0.1433	
37 Bis(2-chloroethoxy)methane	93	9.595	9.594	0.001	2926	0.1028	
38 2,4-Dichlorophenol	162	9.730	9.729	0.001	1508	0.0838	
39 1,2,4-Trichlorobenzene	180	9.831	9.835	-0.004	2427	0.1060	
40 Alpha-Terpineol	59	9.845	9.849	-0.004	1506	0.0927	
41 Naphthalene	128	9.908	9.907	0.001	8065	0.1066	
42 4-Chloroaniline	127	9.961	9.960	0.001	2656	0.0951	
43 Hexachlorobutadiene	225	10.052	10.056	-0.004	1261	0.1043	
44 Caprolactam	55	10.254	10.268	-0.014	541	0.1765	
45 4-Chloro-3-methylphenol	107	10.393	10.397	-0.004	1586	0.0826	
46 2-Methylnaphthalene	142	10.591	10.595	-0.004	5021	0.1057	
47 1-Methylnaphthalene	142	10.711	10.715	-0.004	4874	0.1043	
49 1,2,4,5-Tetrachlorobenzene	216	10.802	10.806	-0.004	1906	0.1043	
48 Hexachlorocyclopentadiene	237	10.807	10.811	-0.004	629	0.0875	
50 2,4,6-Trichlorophenol	196	10.889	10.893	-0.004	909	0.0787	
51 2,4,5-Trichlorophenol	196	10.927	10.931	-0.004	951	0.0802	
52 1,1'-Biphenyl	154	11.057	11.061	-0.004	6111	0.1093	
53 2-Chloronaphthalene	162	11.096	11.099	-0.003	5196	0.1050	
54 Phenyl ether	170	11.163	11.162	0.001	3283	0.1062	
55 2-Nitroaniline	65	11.216	11.220	-0.004	846	0.1463	
56 Dimethyl phthalate	163	11.374	11.378	-0.004	4458	0.0927	
57 2,6-Dinitrotoluene	165	11.480	11.479	0.001	694	0.1072	
58 Acenaphthylene	152	11.538	11.537	0.001	5778	0.0896	
59 3-Nitroaniline	138	11.634	11.633	0.001	703	0.3512	
61 Acenaphthene	153	11.716	11.720	-0.004	4602	0.1058	
62 4-Nitrophenol	109	11.735	11.739	-0.004	171	0.0475	
64 Dibenzofuran	168	11.870	11.874	-0.004	6447	0.1081	
63 2,4-Dinitrotoluene	165	11.875	11.878	-0.003	642	0.1514	
65 2,3,4,6-Tetrachlorophenol	232	11.976	11.979	-0.003	366	0.1502	
66 Diethyl phthalate	149	12.067	12.071	-0.004	5237	0.1081	
67 4-Chlorophenyl phenyl ether	204	12.177	12.177	0.000	2301	0.1008	
69 Fluorene	166	12.221	12.225	-0.004	4740	0.1009	
68 4-Nitroaniline	138	12.254	12.263	-0.009	559	0.1496	
71 Diphenylamine	169	12.303	12.306	-0.004	3709	0.2071	
72 N-Nitrosodiphenylamine	169	12.303	12.306	-0.004	3709	0.0958	
74 Azobenzene	77	12.336	12.340	-0.004	3878	0.0837	
73 1,2-Diphenylhydrazine	77	12.336	12.340	-0.004	3878	0.0837	
75 4-Bromophenyl phenyl ether	248	12.673	12.677	-0.004	1190	0.1038	
77 Atrazine	200	12.822	12.821	0.001	813	0.0756	
76 Hexachlorobenzene	284	12.860	12.864	-0.004	1250	0.1060	
79 Pentachloronitrobenzene	237	13.106	13.105	0.001	306	0.1373	
80 Phenanthrene	178	13.202	13.206	-0.004	7132	0.1111	
81 Anthracene	178	13.250	13.249	0.001	5357	0.0932	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	13.394	13.398	-0.004	4668	0.0919	
84 Di-n-butyl phthalate	149	13.678	13.682	-0.004	9498	0.1273	
85 Pyrene	202	14.433	14.437	-0.004	5580	0.1116	
87 Fluoranthene	202	14.688	14.692	-0.004	6189	0.1040	
89 Butyl benzyl phthalate	149	15.270	15.273	-0.003	2383	0.1401	
92 Bis(2-ethylhexyl) phthalate	149	15.851	15.851	0.000	3305	0.1637	
91 3,3'-Dichlorobenzidine	252	15.919	15.923	-0.004	763	0.1371	
93 Benzo[a]anthracene	228	15.981	15.985	-0.004	3479	0.1018	
94 Chrysene	228	16.034	16.038	-0.004	3986	0.1153	
95 Di-n-octyl phthalate	149	16.520	16.524	-0.004	2068	0.4794	
97 Benzo[b]fluoranthene	252	17.289	17.327	-0.038	94	0.0667	
98 Benzo[k]fluoranthene	252	17.289	17.356	-0.067	94	0.0857	
100 Indeno[1,2,3-cd]pyrene	276	19.852	19.837	0.015	201	0.6402	

Report Date: 25-Sep-2009 18:31:34 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03092.D

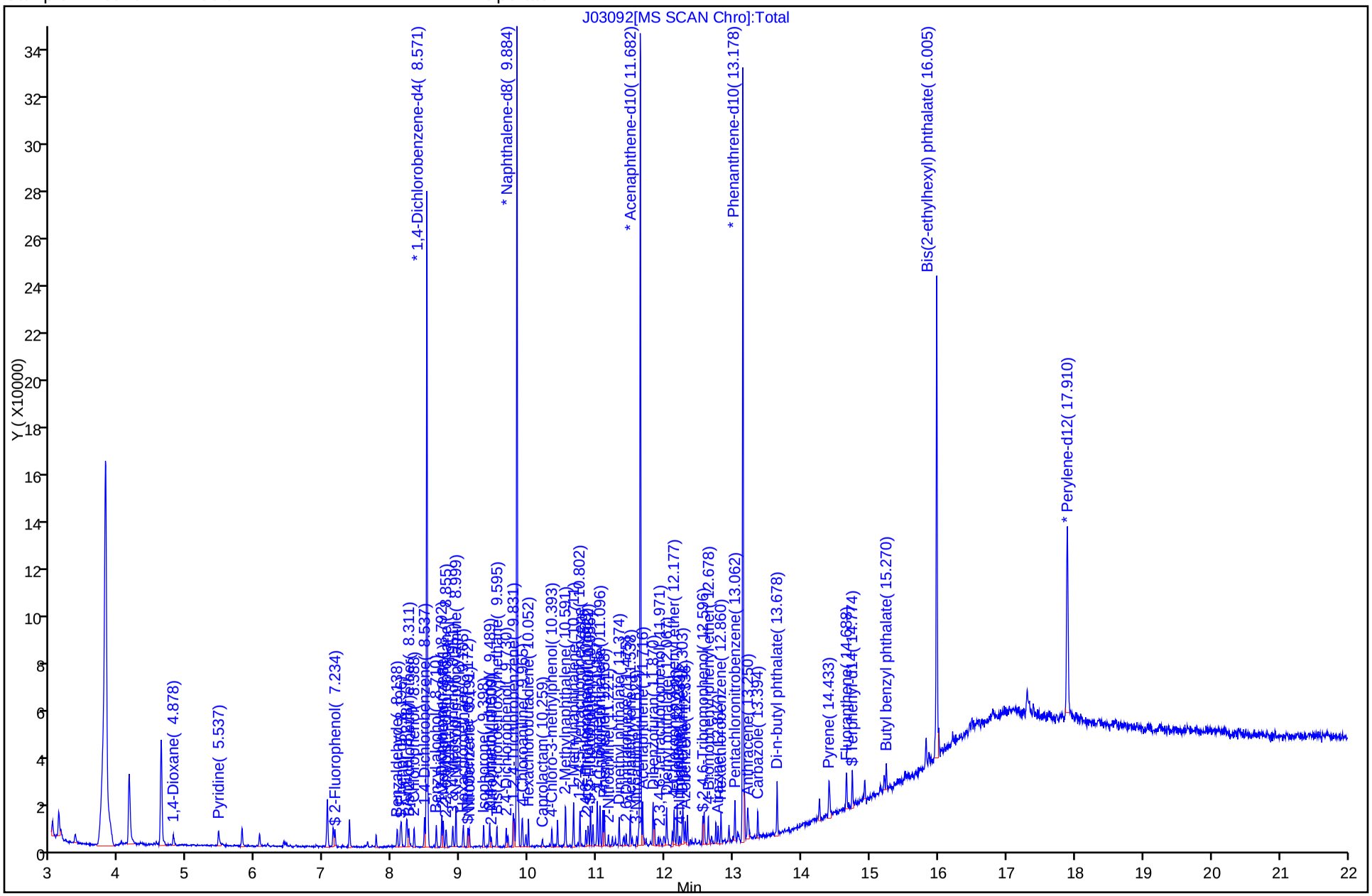
Inj Date: 23-Sep-2009 16:56:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 3

Client ID: Instrument: Inst. J

Sample Info: STD01

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03093.D		
Lims ID:	std025	Client ID:	
Inject. Date:	23-Sep-2009 17:29:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	2
Sample ID:	STD025		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	49396	Lims Sample ID:	4
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:54:04	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 16:42:45
Reviewed By:	rachtank	Date:	25-Sep-2009 18:32:55
Reviewed By:	rachtank	Date:	25-Sep-2009 18:54:04

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.572	8.575	-0.003	73360	2.00	
* 2 Naphthalene-d8	136	9.889	9.888	0.001	174273	2.00	
* 3 Acenaphthene-d10	164	11.683	11.686	-0.003	82671	2.00	
* 4 Phenanthrene-d10	188	13.178	13.182	-0.004	131694	2.00	
* 5 Chrysene-d12	240	16.006	16.004	0.002	93961	2.00	
* 6 Perylene-d12	264	17.910	17.909	0.001	52591	2.00	
$ 7 2-Fluorophenol	112	7.235	7.233	0.002	5720	0.2488	
$ 8 Phenol-d5	99	8.187	8.190	-0.003	6813	0.2416	
$ 9 Nitrobenzene-d5	82	9.173	9.171	0.002	6340	0.2340	
$ 10 2-Fluorobiphenyl	172	10.957	10.960	-0.003	14104	0.2566	
$ 11 2,4,6-Tribromophenol	330	12.486	12.489	-0.003	884	0.2348	
$ 12 Terphenyl-d14	244	14.775	14.778	-0.003	9663	0.2474	
14 1,4-Dioxane	88	4.878	4.867	0.011	3974	0.2565	
16 Pyridine	79	5.523	5.492	0.031	6358	0.2566	
15 N-Nitrosodimethylamine	74	5.532	5.516	0.016	3166	0.2453	
17 Benzaldehyde	105	8.139	8.142	-0.003	3870	0.2491	
18 Phenol	94	8.201	8.205	-0.004	7683	0.2552	
19 Aniline	93	8.274	8.277	-0.003	8760	0.2506	
20 Bis(2-chloroethyl)ether	93	8.312	8.310	0.002	6474	0.2575	
21 2-Chlorophenol	128	8.389	8.387	0.002	6162	0.2563	
22 1,4-Dichlorobenzene	146	8.538	8.536	0.002	7777	0.2737	
23 1,3-Dichlorobenzene	146	8.591	8.589	0.002	7979	0.2716	
24 Benzyl alcohol	79	8.711	8.709	0.002	4699	0.2412	
25 1,2-Dichlorobenzene	146	8.793	8.791	0.002	7781	0.2814	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	8.812	8.815	-0.003	5209	0.2401	
27 2,2'-oxybis[1-chloropropane]	45	8.855	8.854	0.001	6433	0.2660	
28 3 & 4 Methylphenol	108	8.952	8.950	0.002	5697	0.2529	
29 N-Nitrosodi-n-propylamine	70	8.995	8.998	-0.003	3888	0.2386	
30 Acetophenone	105	9.000	8.998	0.002	8370	0.2637	
31 Hexachloroethane	117	9.105	9.104	0.001	2455	0.2450	
32 Nitrobenzene	77	9.192	9.190	0.002	6153	0.2239	
33 Isophorone	82	9.399	9.402	-0.003	9830	0.2145	
35 2,4-Dimethylphenol	107	9.490	9.489	0.002	5661	0.2358	
34 2-Nitrophenol	139	9.514	9.513	0.001	2279	0.2417	
37 Bis(2-chloroethoxy)methane	93	9.591	9.594	-0.003	7375	0.2481	
38 2,4-Dichlorophenol	162	9.731	9.729	0.002	4055	0.2158	
39 1,2,4-Trichlorobenzene	180	9.832	9.835	-0.003	6093	0.2549	
40 Alpha-Terpineol	59	9.846	9.849	-0.003	3674	0.2166	
41 Naphthalene	128	9.908	9.907	0.001	19994	0.2529	
42 4-Chloroaniline	127	9.961	9.960	0.001	6488	0.2224	
43 Hexachlorobutadiene	225	10.053	10.056	-0.003	3235	0.2561	
44 Caprolactam	55	10.260	10.268	-0.008	1001	0.2324	
45 4-Chloro-3-methylphenol	107	10.394	10.397	-0.003	4384	0.2185	
46 2-Methylnaphthalene	142	10.596	10.595	0.001	12562	0.2533	
47 1-Methylnaphthalene	142	10.712	10.715	-0.003	12637	0.2590	
49 1,2,4,5-Tetrachlorobenzene	216	10.803	10.806	-0.003	4861	0.2546	
48 Hexachlorocyclopentadiene	237	10.808	10.811	-0.003	1719	0.2307	
50 2,4,6-Trichlorophenol	196	10.889	10.893	-0.004	2435	0.2034	
51 2,4,5-Trichlorophenol	196	10.928	10.931	-0.003	2564	0.2085	
52 1,1'-Biphenyl	154	11.058	11.061	-0.003	14874	0.2566	
53 2-Chloronaphthalene	162	11.096	11.099	-0.003	13037	0.2541	
54 Phenyl ether	170	11.159	11.162	-0.003	8228	0.2549	
55 2-Nitroaniline	65	11.221	11.220	0.001	2059	0.2349	
56 Dimethyl phthalate	163	11.375	11.378	-0.003	11994	0.2404	
57 2,6-Dinitrotoluene	165	11.476	11.479	-0.003	2061	0.2214	
58 Acenaphthylene	152	11.539	11.537	0.002	15614	0.2335	
59 3-Nitroaniline	138	11.635	11.633	0.002	1984	0.2331	
61 Acenaphthene	153	11.717	11.720	-0.003	11557	0.2561	
62 4-Nitrophenol	109	11.736	11.748	-0.012	744	0.5753	
64 Dibenzofuran	168	11.870	11.874	-0.004	15777	0.2550	
63 2,4-Dinitrotoluene	165	11.875	11.878	-0.003	1874	0.2325	
65 2,3,4,6-Tetrachlorophenol	232	11.976	11.979	-0.003	1324	0.2448	
66 Diethyl phthalate	149	12.068	12.071	-0.003	11988	0.2386	
67 4-Chlorophenyl phenyl ether	204	12.178	12.177	0.001	6056	0.2559	
69 Fluorene	166	12.222	12.225	-0.003	11858	0.2434	
68 4-Nitroaniline	138	12.260	12.263	-0.003	1508	0.2417	
71 Diphenylamine	169	12.303	12.306	-0.003	9551	0.2328	
72 N-Nitrosodiphenylamine	169	12.303	12.306	-0.003	9551	0.2328	
74 Azobenzene	77	12.337	12.340	-0.003	10564	0.2151	
73 1,2-Diphenylhydrazine	77	12.337	12.340	-0.003	10564	0.2151	
75 4-Bromophenyl phenyl ether	248	12.678	12.677	0.001	2840	0.2337	
77 Atrazine	200	12.818	12.821	-0.003	2365	0.2076	
76 Hexachlorobenzene	284	12.861	12.864	-0.003	2936	0.2351	
78 Pentachlorophenol	266	13.029	13.028	0.001	526	0.2534	
79 Pentachloronitrobenzene	237	13.106	13.105	0.001	763	0.2261	
80 Phenanthrene	178	13.203	13.206	-0.003	17316	0.2546	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
81 Anthracene	178	13.251	13.249	0.002	13812	0.2268	
83 Carbazole	167	13.395	13.398	-0.003	12905	0.2397	
84 Di-n-butyl phthalate	149	13.679	13.682	-0.003	18907	0.2391	
85 Pyrene	202	14.434	14.437	-0.003	14681	0.2429	
87 Fluoranthene	202	14.688	14.692	-0.004	14699	0.2330	
89 Butyl benzyl phthalate	149	15.270	15.273	-0.003	5656	0.2240	
92 Bis(2-ethylhexyl) phthalate	149	15.852	15.851	0.001	6379	0.2208	
91 3,3'-Dichlorobenzidine	252	15.924	15.923	0.001	1871	0.2215	
93 Benzo[a]anthracene	228	15.982	15.985	-0.003	9332	0.2260	
94 Chrysene	228	16.035	16.038	-0.003	11104	0.2657	
95 Di-n-octyl phthalate	149	16.521	16.524	-0.003	5275	0.5238	
97 Benzo[b]fluoranthene	252	17.324	17.327	-0.003	8455	0.2946	
98 Benzo[k]fluoranthene	252	17.324	17.356	-0.032	8455	0.3280	
99 Benzo[a]pyrene	252	17.824	17.822	0.002	4288	0.3127	
101 Dibenz(a,h)anthracene	278	19.819	19.823	-0.004	1218	0.3665	
100 Indeno[1,2,3-cd]pyrene	276	19.839	19.837	0.002	1977	0.7274	
102 Benzo[g,h,i]perylene	276	20.430	20.433	-0.003	2633	0.6805	

Report Date: 25-Sep-2009 18:54:05 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03093.D

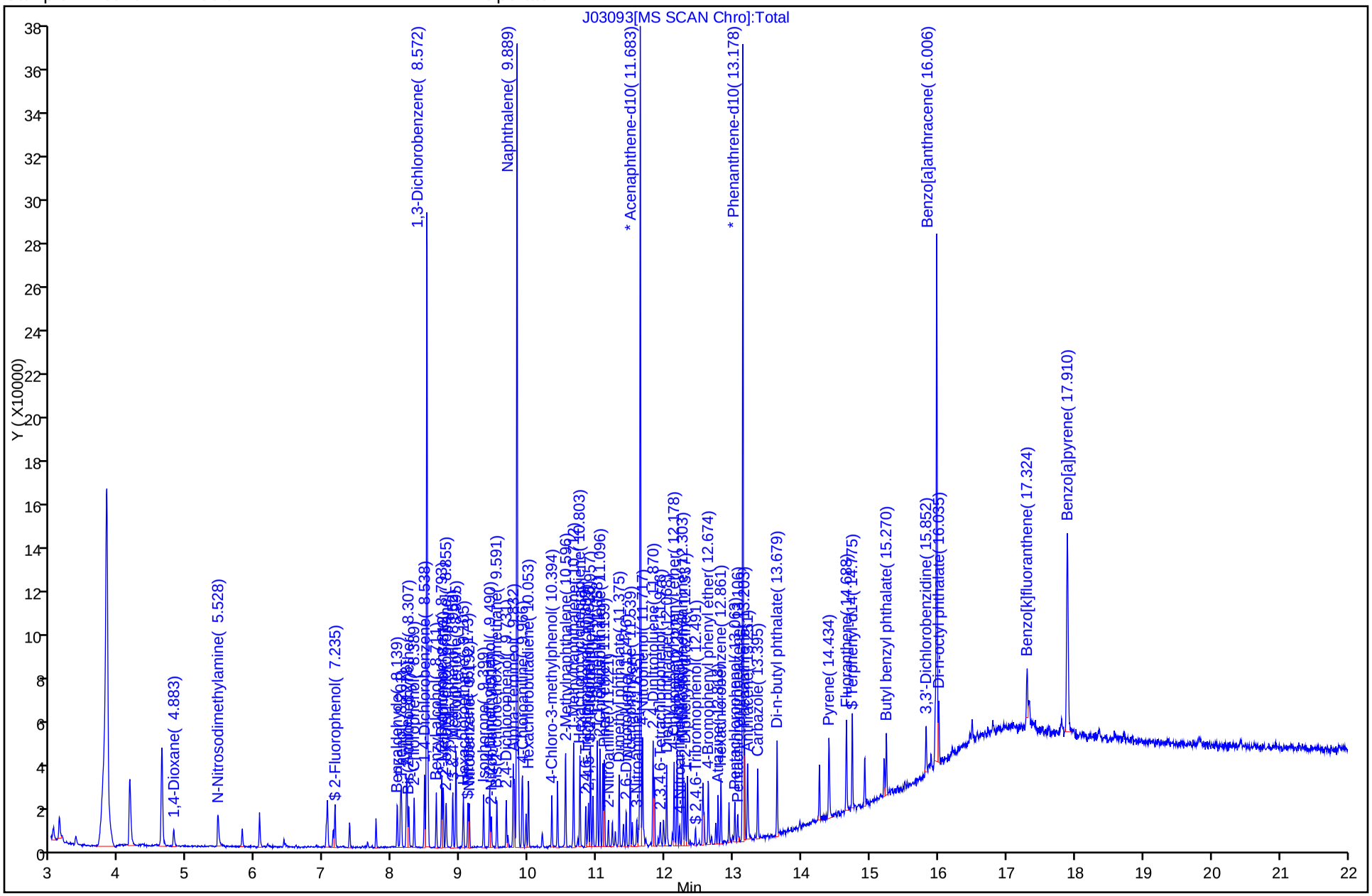
Inj Date: 23-Sep-2009 17:29:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 4

Client ID: Instrument: Inst. J

Sample Info: STD025

Sample Amount: 1.00 ul Operator:

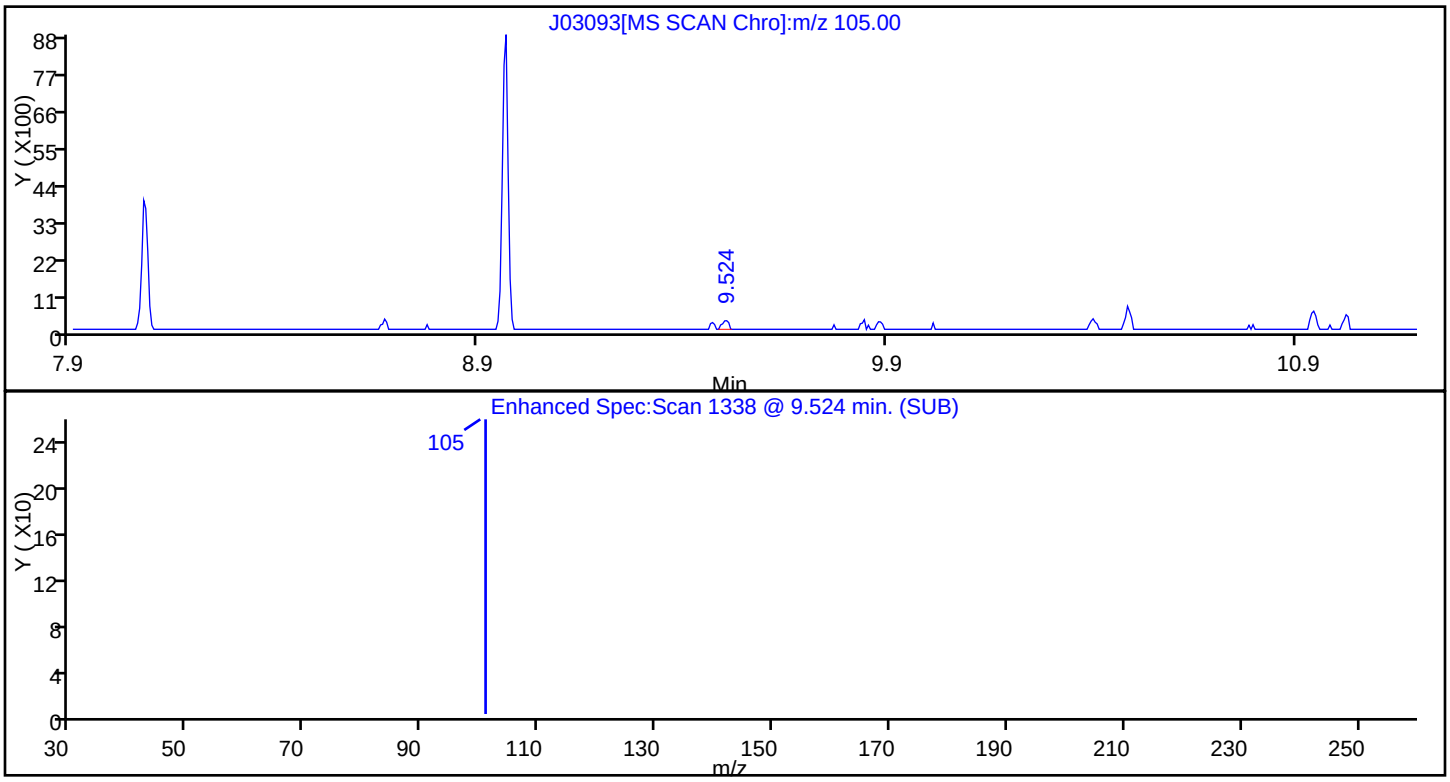


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03093.D		
Inj Date:	23-Sep-2009 17:29:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	STD025		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid

Processing Results



RT	Mass	Response	Amount
9.52	105.00	291	0.061403
9.52	122.00	327	
9.53	77.00	140	

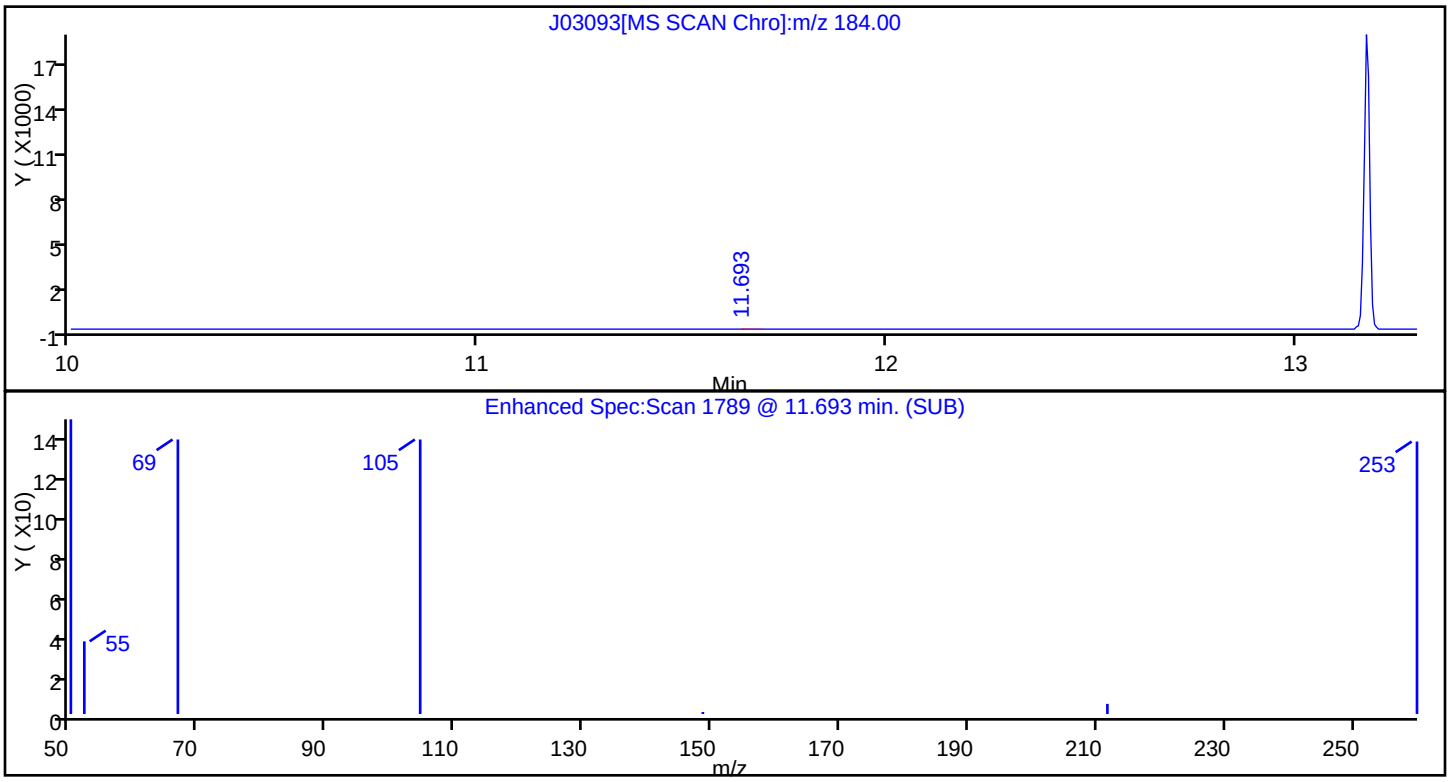
Reviewer: rachtank, 25-Sep-2009 18:32:55
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03093.D		
Inj Date:	23-Sep-2009 17:29:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	4
Client ID:		Instrument:	Inst. J
Sample Info:	STD025		
Sample Amount:	1.00 ul	Operator:	

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
11.69	184.00	21	0.012878
0.00	63.00	0	
0.00	154.00	0	

Reviewer: rachtank, 25-Sep-2009 18:54:04
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03094.D		
Lims ID:	std05	Client ID:	
Inject. Date:	23-Sep-2009 18:02:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	3
Sample ID:	STD05		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	49396	Lims Sample ID:	5
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:54:41	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 16:43:37
Reviewed By:	rachtank	Date:	25-Sep-2009 18:33:31
Reviewed By:	rachtank	Date:	25-Sep-2009 18:54:41

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
* 1 1,4-Dichlorobenzene-d4	150	8.573	8.575	-0.002	68710	2.00	
* 2 Naphthalene-d8	136	9.890	9.888	0.002	164204	2.00	
* 3 Acenaphthene-d10	164	11.684	11.686	-0.002	76655	2.00	
* 4 Phenanthrene-d10	188	13.180	13.182	-0.002	120574	2.00	
* 5 Chrysene-d12	240	16.007	16.004	0.003	86062	2.00	
* 6 Perylene-d12	264	17.911	17.909	0.002	49196	2.00	
$ 7 2-Fluorophenol	112	7.231	7.233	-0.002	10413	0.4835	
$ 8 Phenol-d5	99	8.188	8.190	-0.002	13259	0.5019	
$ 9 Nitrobenzene-d5	82	9.174	9.171	0.003	11242	0.4404	
$ 10 2-Fluorobiphenyl	172	10.958	10.960	-0.002	26624	0.5223	
$ 11 2,4,6-Tribromophenol	330	12.492	12.489	0.003	1703	0.4063	
$ 12 Terphenyl-d14	244	14.776	14.778	-0.002	17542	0.4904	
14 1,4-Dioxane	88	4.875	4.867	0.008	6341	0.5531	
16 Pyridine	79	5.514	5.492	0.022	10967	0.4725	
15 N-Nitrosodimethylamine	74	5.524	5.516	0.008	6254	0.5174	
17 Benzaldehyde	105	8.140	8.142	-0.002	7274	0.4998	
18 Phenol	94	8.202	8.205	-0.003	14657	0.5199	
19 Aniline	93	8.275	8.277	-0.002	16233	0.4957	
20 Bis(2-chloroethyl)ether	93	8.308	8.310	-0.002	12727	0.5404	
21 2-Chlorophenol	128	8.390	8.387	0.003	11180	0.4965	
22 1,4-Dichlorobenzene	146	8.539	8.536	0.003	14070	0.5286	
23 1,3-Dichlorobenzene	146	8.592	8.589	0.003	14642	0.5321	
24 Benzyl alcohol	79	8.707	8.709	-0.002	8476	0.4646	
25 1,2-Dichlorobenzene	146	8.794	8.791	0.003	14091	0.5441	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	8.813	8.815	-0.002	10191	0.5016	
27 2,2'-oxybis[1-chloropropane]	45	8.856	8.854	0.002	12262	0.5412	
28 3 & 4 Methylphenol	108	8.953	8.950	0.003	10260	0.4862	
29 N-Nitrosodi-n-propylamine	70	8.996	8.998	-0.002	7368	0.4827	
30 Acetophenone	105	9.001	8.998	0.003	15420	0.5186	
31 Hexachloroethane	117	9.106	9.104	0.002	4728	0.5038	
32 Nitrobenzene	77	9.193	9.190	0.003	12106	0.4676	
33 Isophorone	82	9.400	9.402	-0.002	18735	0.4338	
35 2,4-Dimethylphenol	107	9.491	9.489	0.003	10158	0.4490	
34 2-Nitrophenol	139	9.515	9.513	0.002	4311	0.4020	
36 Benzoic acid	105	9.515	9.565	-0.049	557	0.1281	
37 Bis(2-chloroethoxy)methane	93	9.592	9.594	-0.002	13551	0.4838	
38 2,4-Dichlorophenol	162	9.732	9.729	0.003	7965	0.4498	
39 1,2,4-Trichlorobenzene	180	9.833	9.835	-0.002	11327	0.5029	
40 Alpha-Terpineol	59	9.847	9.849	-0.002	7147	0.4471	
41 Naphthalene	128	9.910	9.907	0.003	37029	0.4971	
42 4-Chloroaniline	127	9.962	9.960	0.002	12782	0.4650	
43 Hexachlorobutadiene	225	10.054	10.056	-0.002	5551	0.4665	
44 Caprolactam	55	10.256	10.268	-0.012	1945	0.3687	
45 4-Chloro-3-methylphenol	107	10.395	10.397	-0.002	7969	0.4216	
46 2-Methylnaphthalene	142	10.597	10.595	0.002	22628	0.4842	
47 1-Methylnaphthalene	142	10.713	10.715	-0.002	22830	0.4965	
49 1,2,4,5-Tetrachlorobenzene	216	10.804	10.806	-0.002	8977	0.4990	
48 Hexachlorocyclopentadiene	237	10.809	10.811	-0.002	3133	0.4534	
50 2,4,6-Trichlorophenol	196	10.891	10.893	-0.002	4749	0.4278	
51 2,4,5-Trichlorophenol	196	10.929	10.931	-0.002	5027	0.4408	
52 1,1'-Biphenyl	154	11.059	11.061	-0.002	27158	0.5053	
53 2-Chloronaphthalene	162	11.097	11.099	-0.002	24037	0.5052	
54 Phenyl ether	170	11.160	11.162	-0.002	15050	0.4949	
55 2-Nitroaniline	65	11.218	11.220	-0.002	4002	0.4041	
56 Dimethyl phthalate	163	11.376	11.378	-0.002	22997	0.4971	
57 2,6-Dinitrotoluene	165	11.482	11.479	0.003	4237	0.4352	
58 Acenaphthylene	152	11.540	11.537	0.003	29572	0.4769	
59 3-Nitroaniline	138	11.631	11.633	-0.002	4218	0.4426	
61 Acenaphthene	153	11.718	11.720	-0.002	21201	0.5066	
62 4-Nitrophenol	109	11.737	11.748	-0.011	1443	0.6981	
64 Dibenzofuran	168	11.872	11.874	-0.002	28461	0.4961	
63 2,4-Dinitrotoluene	165	11.876	11.878	-0.002	3919	0.3905	
65 2,3,4,6-Tetrachlorophenol	232	11.977	11.979	-0.002	2663	0.3998	
66 Diethyl phthalate	149	12.069	12.071	-0.002	22315	0.4790	
67 4-Chlorophenyl phenyl ether	204	12.179	12.177	0.002	11049	0.5035	
69 Fluorene	166	12.223	12.225	-0.002	22013	0.4874	
68 4-Nitroaniline	138	12.261	12.263	-0.002	2965	0.4093	
70 4,6-Dinitro-2-methylphenol	198	12.290	12.287	0.003	448	0.1687	
71 Diphenylamine	169	12.304	12.306	-0.002	17947	0.4777	
72 N-Nitrosodiphenylamine	169	12.304	12.306	-0.002	17947	0.4777	
74 Azobenzene	77	12.338	12.340	-0.002	21284	0.4734	
73 1,2-Diphenylhydrazine	77	12.338	12.340	-0.002	21284	0.4734	
75 4-Bromophenyl phenyl ether	248	12.675	12.677	-0.002	5584	0.5019	
77 Atrazine	200	12.819	12.821	-0.002	4551	0.4364	
76 Hexachlorobenzene	284	12.862	12.864	-0.002	5936	0.5191	
78 Pentachlorophenol	266	13.030	13.028	0.002	1084	0.4003	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	13.107	13.105	0.002	1564	0.4173	
80 Phenanthrene	178	13.204	13.206	-0.002	32013	0.5141	
81 Anthracene	178	13.247	13.249	-0.002	26788	0.4805	
83 Carbazole	167	13.396	13.398	-0.002	23498	0.4768	
84 Di-n-butyl phthalate	149	13.680	13.682	-0.002	32430	0.4480	
85 Pyrene	202	14.435	14.437	-0.002	26374	0.4763	
86 Benzidine	184	14.531	14.528	0.003	2052	0.5690	
87 Fluoranthene	202	14.690	14.692	-0.002	28010	0.4850	
89 Butyl benzyl phthalate	149	15.271	15.273	-0.002	11025	0.4169	
92 Bis(2-ethylhexyl) phthalate	149	15.848	15.851	-0.003	11875	0.3786	
91 3,3'-Dichlorobenzidine	252	15.925	15.923	0.002	3474	0.3926	
93 Benzo[a]anthracene	228	15.983	15.985	-0.002	17743	0.4691	
94 Chrysene	228	16.036	16.038	-0.002	18280	0.4776	
95 Di-n-octyl phthalate	149	16.522	16.524	-0.002	10614	0.6165	
97 Benzo[b]fluoranthene	252	17.325	17.327	-0.002	15238	0.5085	
98 Benzo[k]fluoranthene	252	17.358	17.356	0.002	12643	0.4748	
99 Benzo[a]pyrene	252	17.825	17.822	0.003	7751	0.4727	
101 Dibenz(a,h)anthracene	278	19.825	19.823	0.002	2804	0.5241	
100 Indeno[1,2,3-cd]pyrene	276	19.840	19.837	0.003	3891	0.8363	
102 Benzo[g,h,i]perylene	276	20.426	20.433	-0.007	5198	0.8543	

Report Date: 25-Sep-2009 18:54:42 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03094.D

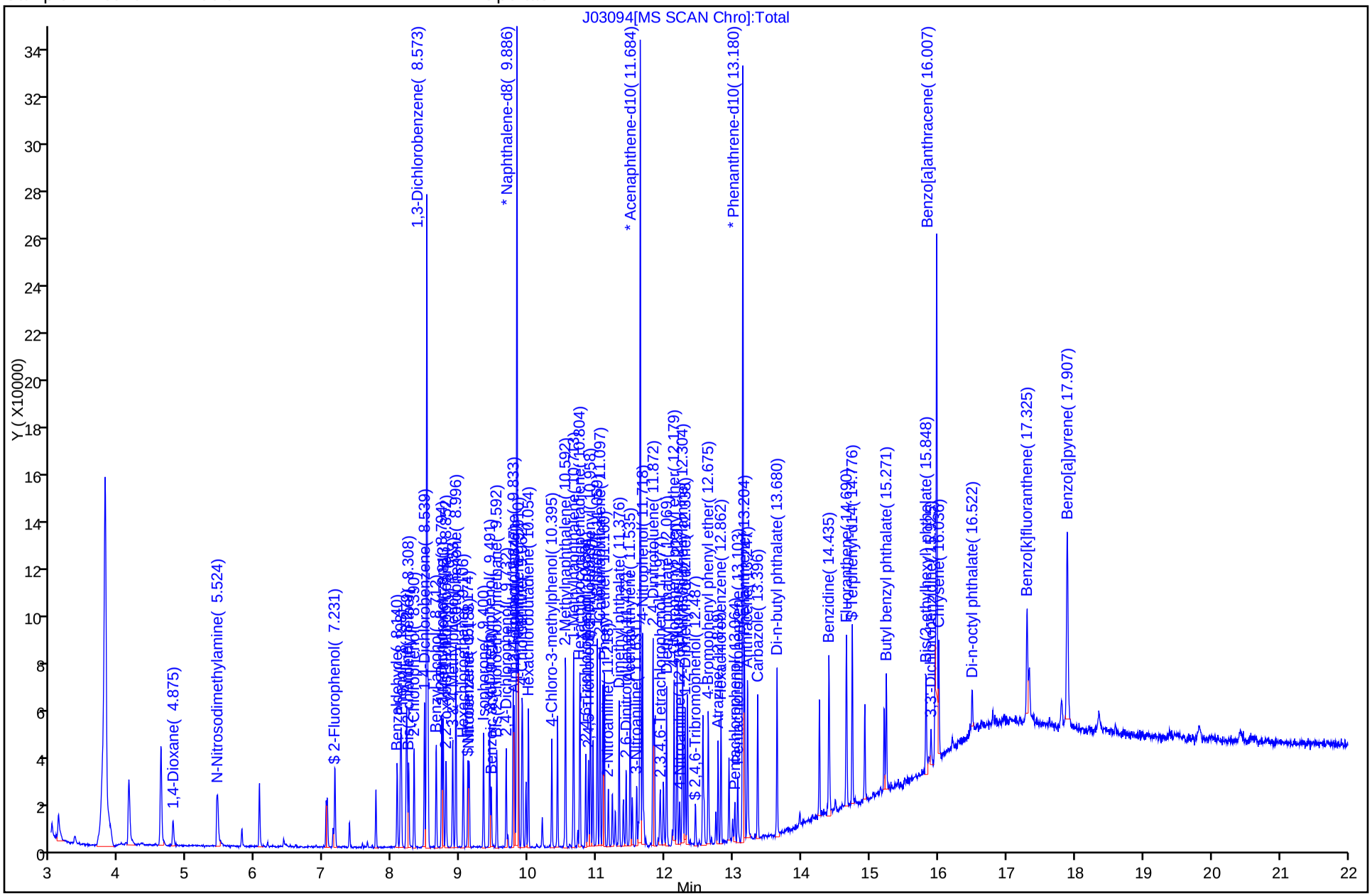
Inj Date: 23-Sep-2009 18:02:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 5

Client ID: Instrument: Inst. J

Sample Info: STD05

Sample Amount: 1.00 ul Operator:

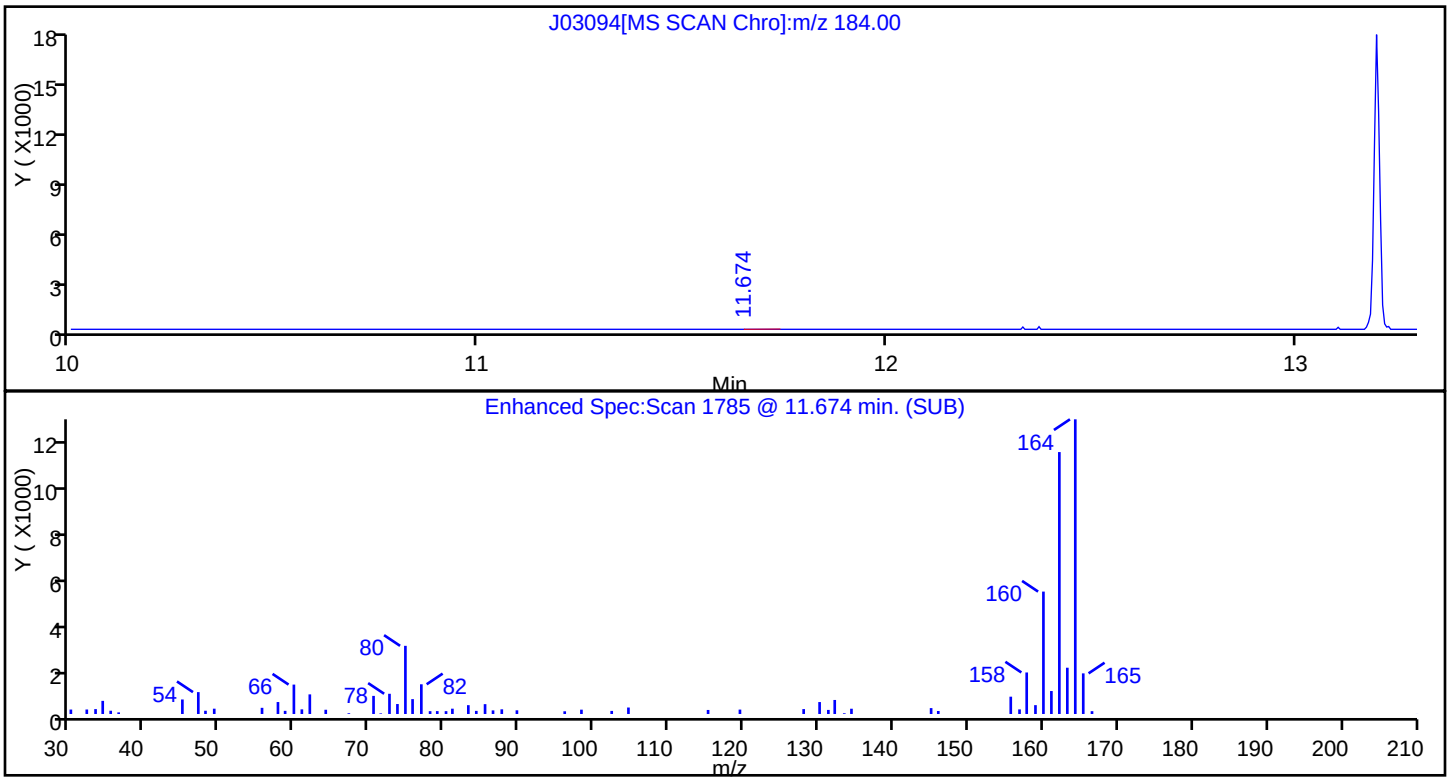


User Disabled Compound Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03094.D		
Inj Date:	23-Sep-2009 18:02:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	5
Client ID:		Instrument:	Inst. J
Sample Info:	STD05		
Sample Amount:	1.00 ul	Operator:	

60 2,4-Dinitrophenol

Processing Results



RT	Mass	Response	Amount
11.67	184.00	-46	-0.030920
0.00	63.00	0	
0.00	154.00	0	

Reviewer: rachtank, 25-Sep-2009 18:54:41
Audit Action: Marked Compound Undetected
Audit Reason:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03095.D		
Lims ID:	std1	Client ID:	
Inject. Date:	23-Sep-2009 18:35:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	4
Sample ID:	STD1		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	49396	Lims Sample ID:	6
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:55:55	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 16:44:20
Reviewed By:	rachtank	Date:	25-Sep-2009 18:34:04
Reviewed By:	rachtank	Date:	25-Sep-2009 18:55:55

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.575	8.575	0.000	66717	2.00	
* 2 Naphthalene-d8	136	9.888	9.888	0.000	152301	2.00	
* 3 Acenaphthene-d10	164	11.686	11.686	0.000	72550	2.00	
* 4 Phenanthrene-d10	188	13.182	13.182	0.000	110774	2.00	
* 5 Chrysene-d12	240	16.005	16.004	0.001	81891	2.00	
* 6 Perylene-d12	264	17.909	17.909	0.000	45813	2.00	
$ 7 2-Fluorophenol	112	7.234	7.233	0.001	21371	1.02	
$ 8 Phenol-d5	99	8.190	8.190	0.000	26190	1.02	
$ 9 Nitrobenzene-d5	82	9.171	9.171	0.000	22568	0.9533	
$ 10 2-Fluorobiphenyl	172	10.960	10.960	0.000	48367	1.00	
$ 11 2,4,6-Tribromophenol	330	12.490	12.489	0.001	3689	0.8501	
$ 12 Terphenyl-d14	244	14.779	14.778	0.001	32285	0.9486	
14 1,4-Dioxane	88	4.868	4.867	0.001	10362	1.04	
16 Pyridine	79	5.502	5.492	0.010	23636	1.05	
15 N-Nitrosodimethylamine	74	5.522	5.516	0.006	12122	1.03	
17 Benzaldehyde	105	8.142	8.142	0.000	14288	1.01	
18 Phenol	94	8.200	8.205	-0.005	28838	1.05	
19 Aniline	93	8.277	8.277	0.000	31731	1.00	
20 Bis(2-chloroethyl)ether	93	8.311	8.310	0.001	23836	1.04	
21 2-Chlorophenol	128	8.388	8.387	0.001	22561	1.03	
22 1,4-Dichlorobenzene	146	8.542	8.536	0.006	27161	1.05	
23 1,3-Dichlorobenzene	146	8.590	8.589	0.001	28284	1.06	
24 Benzyl alcohol	79	8.710	8.709	0.001	16653	0.9400	
25 1,2-Dichlorobenzene	146	8.792	8.791	0.001	26224	1.04	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	8.816	8.815	0.001	19984	1.01	
27 2,2'-oxybis[1-chloropropane]	45	8.854	8.854	0.000	22462	1.02	
28 3 & 4 Methylphenol	108	8.950	8.950	0.000	20794	1.01	
29 N-Nitrosodi-n-propylamine	70	8.994	8.998	-0.004	14721	0.99	
30 Acetophenone	105	8.998	8.998	0.000	29633	1.03	
31 Hexachloroethane	117	9.104	9.104	0.000	9257	1.02	
32 Nitrobenzene	77	9.191	9.190	0.001	23789	0.99	
33 Isophorone	82	9.402	9.402	0.000	37994	0.9486	
35 2,4-Dimethylphenol	107	9.489	9.489	0.001	20346	0.9696	
34 2-Nitrophenol	139	9.513	9.513	0.000	9748	0.8611	
36 Benzoic acid	105	9.518	9.565	-0.046	2711	0.6722	
37 Bis(2-chloroethoxy)methane	93	9.595	9.594	0.001	25364	0.9764	
38 2,4-Dichlorophenol	162	9.729	9.729	0.000	15990	0.9736	
39 1,2,4-Trichlorobenzene	180	9.830	9.835	-0.005	21160	1.01	
40 Alpha-Terpineol	59	9.850	9.849	0.001	13857	0.9346	
41 Naphthalene	128	9.907	9.907	0.000	69822	1.01	
42 4-Chloroaniline	127	9.960	9.960	0.000	24184	0.9486	
43 Hexachlorobutadiene	225	10.056	10.056	0.000	10997	1.00	
44 Caprolactam	55	10.258	10.268	-0.010	4131	0.7102	
45 4-Chloro-3-methylphenol	107	10.393	10.397	-0.004	16458	0.9386	
46 2-Methylnaphthalene	142	10.595	10.595	0.000	43348	1.00	
47 1-Methylnaphthalene	142	10.715	10.715	0.000	41847	0.9813	
49 1,2,4,5-Tetrachlorobenzene	216	10.806	10.806	0.000	17000	1.02	
48 Hexachlorocyclopentadiene	237	10.811	10.811	0.000	6192	0.9468	
50 2,4,6-Trichlorophenol	196	10.893	10.893	0.000	9904	0.9426	
51 2,4,5-Trichlorophenol	196	10.931	10.931	0.000	10154	0.9408	
52 1,1'-Biphenyl	154	11.057	11.061	-0.004	50122	0.9854	
53 2-Chloronaphthalene	162	11.100	11.099	0.001	44713	0.99	
54 Phenyl ether	170	11.162	11.162	0.000	28305	1.00	
55 2-Nitroaniline	65	11.220	11.220	0.000	8495	0.8061	
56 Dimethyl phthalate	163	11.379	11.378	0.001	44319	1.01	
57 2,6-Dinitrotoluene	165	11.480	11.479	0.001	9331	0.9519	
58 Acenaphthylene	152	11.537	11.537	0.000	58185	0.99	
59 3-Nitroaniline	138	11.634	11.633	0.001	8562	0.8680	
60 2,4-Dinitrophenol	184	11.735	11.735	0.000	628	0.3813	M
61 Acenaphthene	153	11.720	11.720	0.000	38793	0.9800	M
62 4-Nitrophenol	109	11.739	11.748	-0.009	3202	1.01	
64 Dibenzofuran	168	11.869	11.874	-0.005	53493	0.9852	
63 2,4-Dinitrotoluene	165	11.879	11.878	0.001	9130	0.8051	
65 2,3,4,6-Tetrachlorophenol	232	11.980	11.979	0.001	6560	0.8610	
66 Diethyl phthalate	149	12.071	12.071	0.000	41936	0.9512	
67 4-Chlorophenyl phenyl ether	204	12.177	12.177	0.000	20044	0.9650	
69 Fluorene	166	12.220	12.225	-0.005	41331	0.9669	
68 4-Nitroaniline	138	12.259	12.263	-0.004	6422	0.8179	
70 4,6-Dinitro-2-methylphenol	198	12.288	12.287	0.001	1404	0.5754	
71 Diphenylamine	169	12.302	12.306	-0.004	35851	1.04	
72 N-Nitrosodiphenylamine	169	12.302	12.306	-0.004	35851	1.04	
74 Azobenzene	77	12.340	12.340	0.000	42058	1.02	
73 1,2-Diphenylhydrazine	77	12.340	12.340	0.000	42058	1.02	
75 4-Bromophenyl phenyl ether	248	12.677	12.677	0.000	10505	1.03	
77 Atrazine	200	12.821	12.821	0.000	9353	0.9762	
76 Hexachlorobenzene	284	12.865	12.864	0.001	10946	1.04	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	13.028	13.028	0.000	2623	0.8269	
79 Pentachloronitrobenzene	237	13.105	13.105	0.000	3439	0.8988	
80 Phenanthrene	178	13.206	13.206	0.000	57339	1.00	
81 Anthracene	178	13.249	13.249	0.000	50078	0.9778	
83 Carbazole	167	13.398	13.398	0.000	45716	1.01	
84 Di-n-butyl phthalate	149	13.677	13.682	-0.005	58010	0.8722	
85 Pyrene	202	14.437	14.437	0.000	49811	0.9455	
86 Benzidine	184	14.528	14.528	0.000	5022	0.8826	
87 Fluoranthene	202	14.687	14.692	-0.005	52337	0.9863	
89 Butyl benzyl phthalate	149	15.274	15.273	0.001	23271	0.8601	
92 Bis(2-ethylhexyl) phthalate	149	15.851	15.851	0.000	25551	0.7703	
91 3,3'-Dichlorobenzidine	252	15.923	15.923	0.000	8206	0.8930	
93 Benzo[a]anthracene	228	15.986	15.985	0.001	35368	0.9828	
94 Chrysene	228	16.038	16.038	0.000	35567	0.9767	
95 Di-n-octyl phthalate	149	16.524	16.524	0.000	25753	0.8945	
97 Benzo[b]fluoranthene	252	17.327	17.327	0.000	30088	1.01	
98 Benzo[k]fluoranthene	252	17.356	17.356	0.000	24386	0.8950	
99 Benzo[a]pyrene	252	17.827	17.822	0.005	16828	0.9140	
101 Dibenz(a,h)anthracene	278	19.828	19.823	0.005	7536	1.02	
100 Indeno[1,2,3-cd]pyrene	276	19.837	19.837	0.000	10547	1.23	
102 Benzo[g,h,i]perylene	276	20.434	20.433	0.001	12722	1.39	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 18:55:56 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03095.D

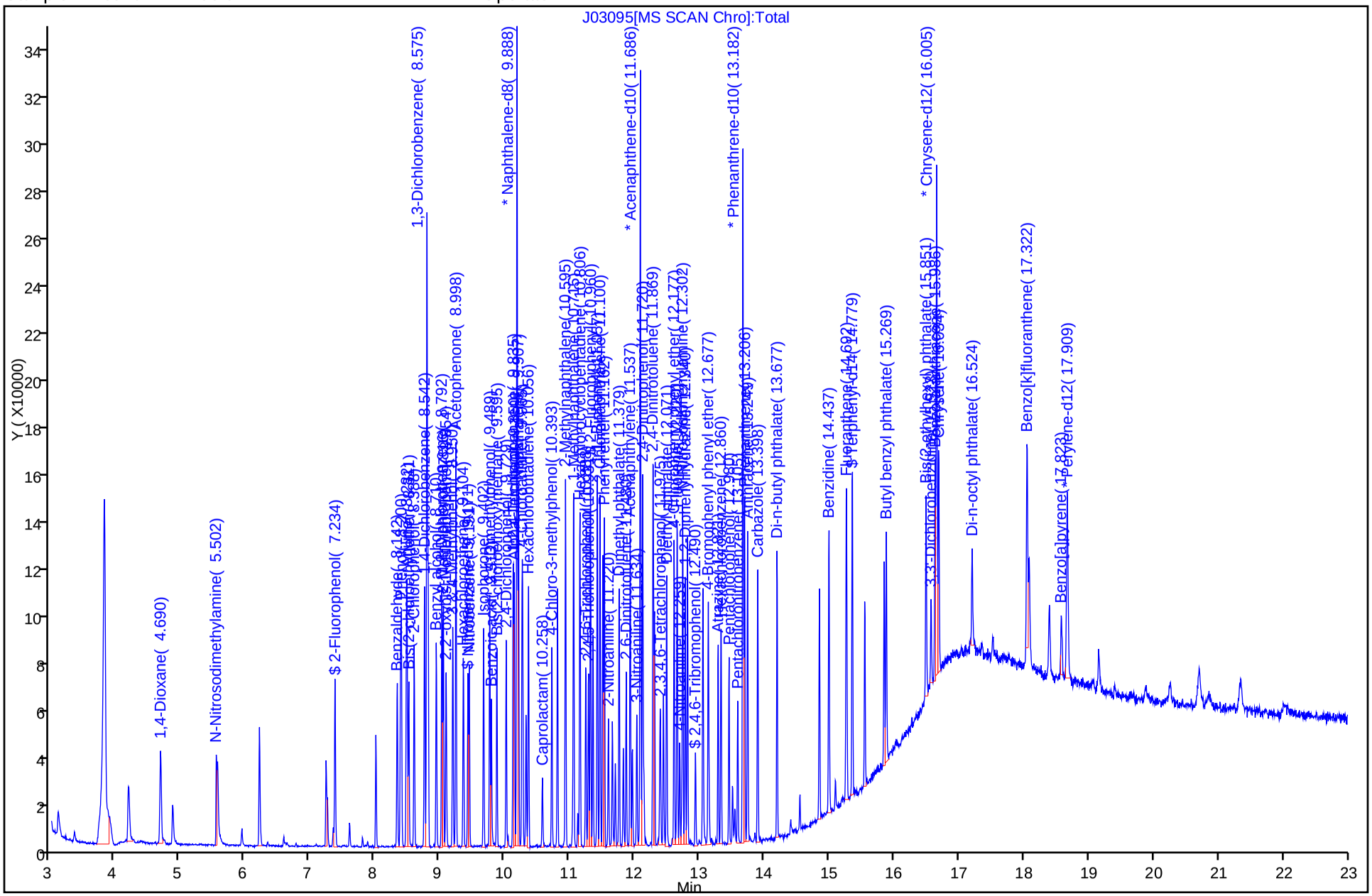
Inj Date: 23-Sep-2009 18:35:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 6

Client ID: Instrument: Inst. J

Sample Info: STD1

Sample Amount: 1.00 ul Operator:



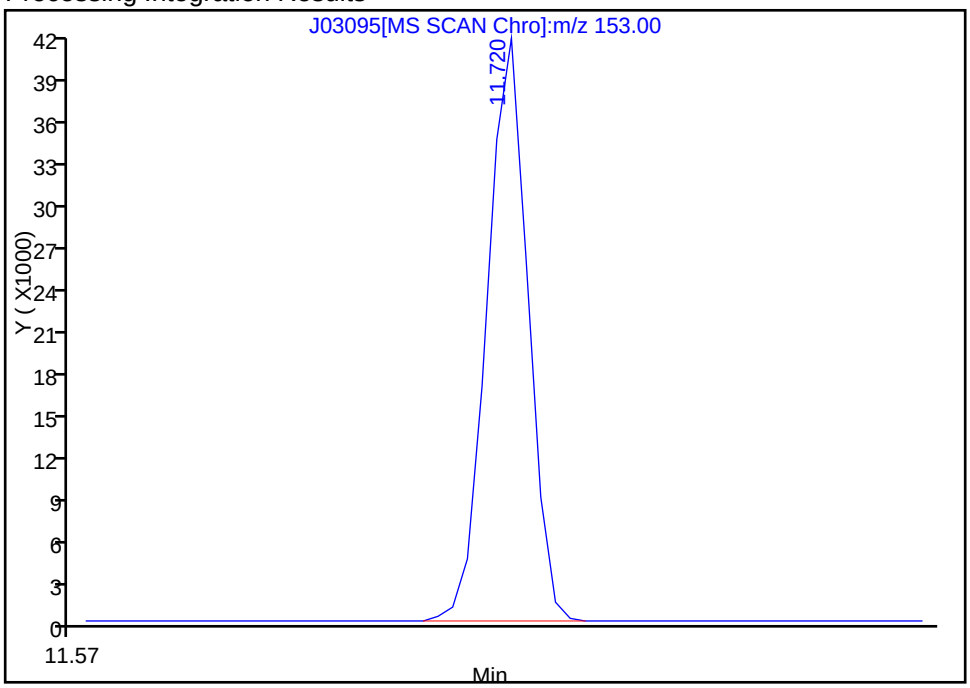
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03095.D		
Inj Date:	23-Sep-2009 18:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	6
Client ID:		Instrument:	Inst. J
Sample Info:	STD1		
Sample Amount:	1.00 ul	Operator:	

61 Acenaphthene, Number: 1, m/z: 153 Type: quant, RT: 11.72

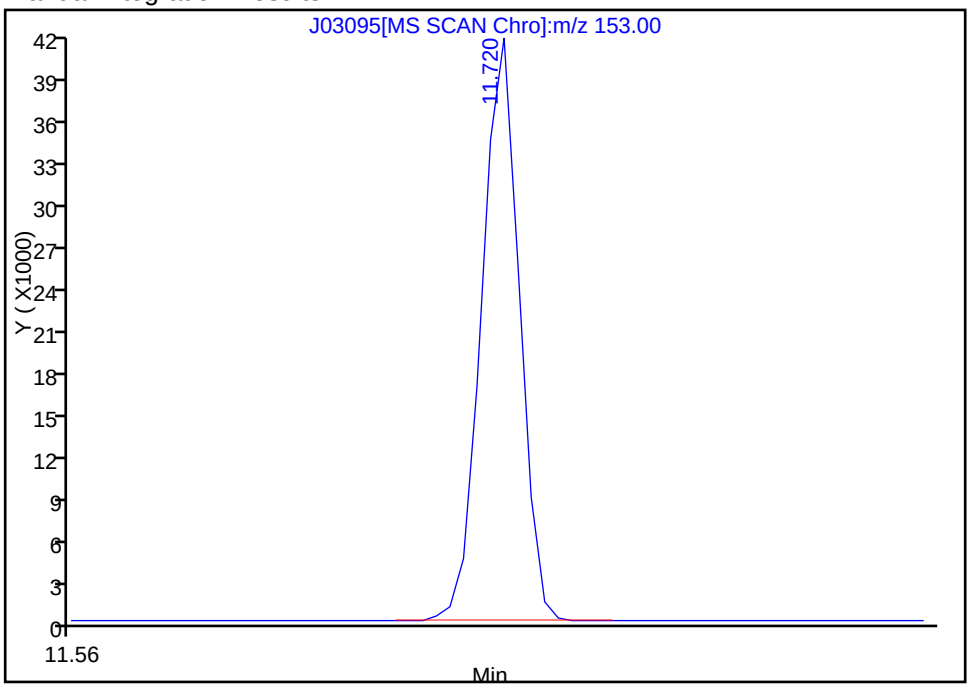
Processing Integration Results

RT: 11.72
Response: 38996
Amount: 0.984534



Manual Integration Results

RT: 11.72
Response: 38793
Amount: 0.979967



Reviewer: rachtank, 25-Sep-2009 18:55:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

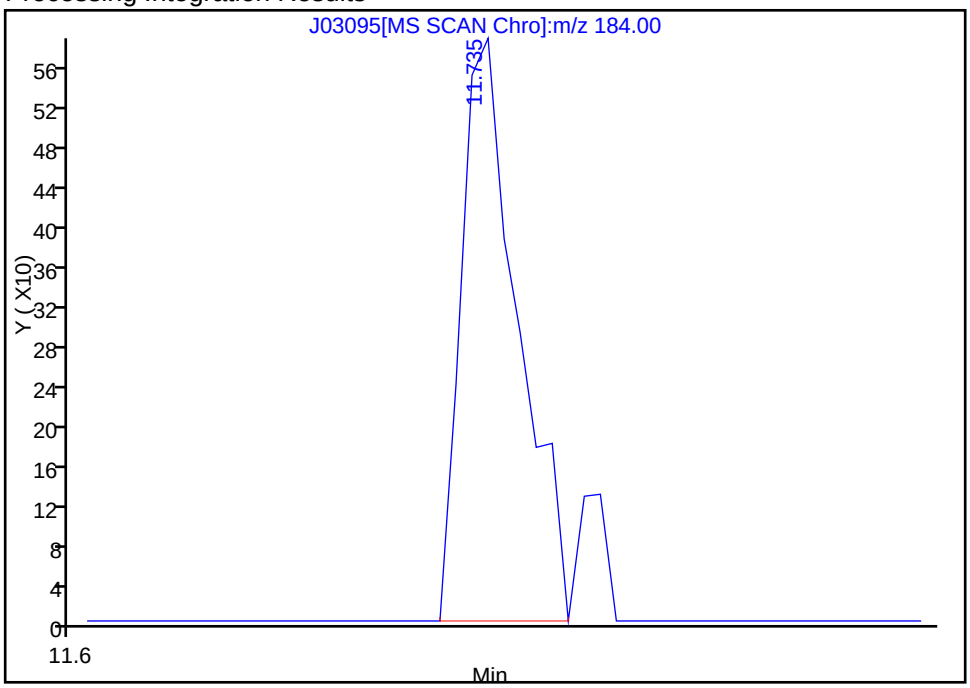
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03095.D		
Inj Date:	23-Sep-2009 18:35:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	6
Client ID:		Instrument:	Inst. J
Sample Info:	STD1		
Sample Amount:	1.00 ul	Operator:	

60 2,4-Dinitrophenol, Number: 1, m/z: 184 Type: quant, RT: 11.73

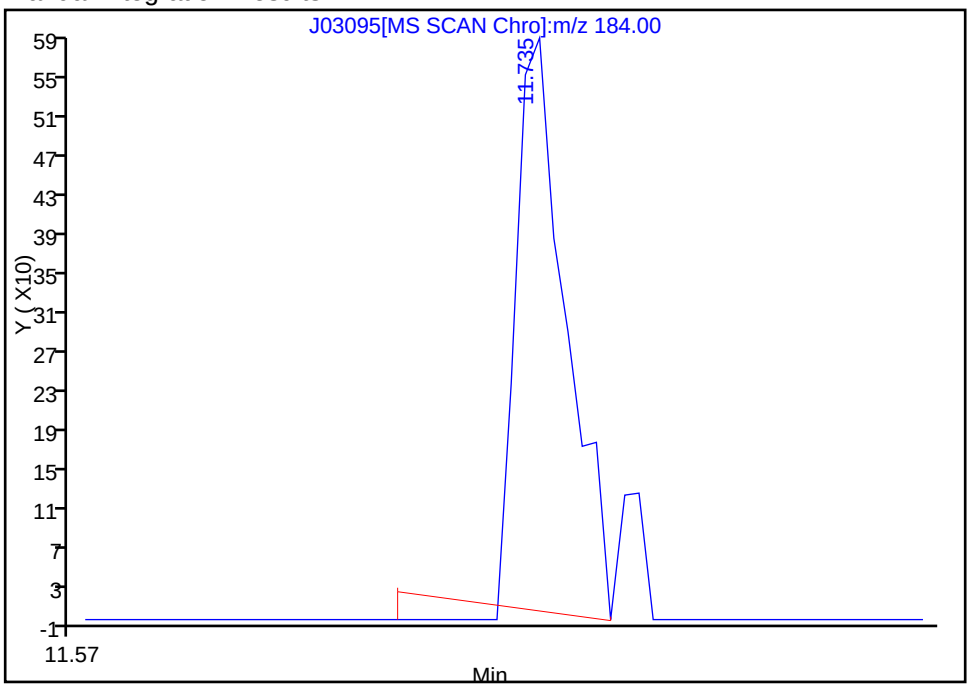
Processing Integration Results

RT: 11.73
Response: 690
Amount: 0.416354



Manual Integration Results

RT: 11.73
Response: 628
Amount: 0.381320



Reviewer: rachtank, 25-Sep-2009 18:55:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03096.D		
Lims ID:	std2.5	Client ID:	
Inject. Date:	23-Sep-2009 19:08:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	5
Sample ID:	STD25		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	49396	Lims Sample ID:	7
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:35:33	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 16:45:35
Reviewed By:	rachtank	Date:	25-Sep-2009 18:35:33

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	8.573	8.575	-0.002	81053	2.00	
* 2 Naphthalene-d8	136	9.890	9.888	0.002	179110	2.00	
* 3 Acenaphthene-d10	164	11.689	11.686	0.003	83063	2.00	
* 4 Phenanthrene-d10	188	13.179	13.182	-0.003	134165	2.00	
* 5 Chrysene-d12	240	16.007	16.004	0.003	89308	2.00	
* 6 Perylene-d12	264	17.911	17.909	0.002	39171	2.00	
$ 7 2-Fluorophenol	112	7.236	7.233	0.003	66988	2.64	
$ 8 Phenol-d5	99	8.193	8.190	0.003	82200	2.64	
$ 9 Nitrobenzene-d5	82	9.174	9.171	0.003	72444	2.60	
$ 10 2-Fluorobiphenyl	172	10.958	10.960	-0.002	148727	2.69	
$ 11 2,4,6-Tribromophenol	330	12.492	12.489	0.003	12826	2.29	
$ 12 Terphenyl-d14	244	14.776	14.778	-0.002	106527	2.87	
14 1,4-Dioxane	88	4.870	4.867	0.003	29647	2.68	
16 Pyridine	79	5.500	5.492	0.008	72876	2.66	
15 N-Nitrosodimethylamine	74	5.524	5.516	0.008	36850	2.58	
17 Benzaldehyde	105	8.140	8.142	-0.002	44410	2.59	
18 Phenol	94	8.202	8.205	-0.003	86822	2.61	
19 Aniline	93	8.274	8.277	-0.003	102055	2.64	
20 Bis(2-chloroethyl)ether	93	8.308	8.310	-0.002	71937	2.59	
21 2-Chlorophenol	128	8.390	8.387	0.003	70712	2.66	
22 1,4-Dichlorobenzene	146	8.539	8.536	0.003	81109	2.58	
23 1,3-Dichlorobenzene	146	8.592	8.589	0.003	82988	2.56	
24 Benzyl alcohol	79	8.712	8.709	0.003	56553	2.63	
25 1,2-Dichlorobenzene	146	8.794	8.791	0.003	77137	2.52	
26 2-Methylphenol	108	8.813	8.815	-0.002	63545	2.65	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	8.851	8.854	-0.003	67171	2.51	
28 3 & 4 Methylphenol	108	8.952	8.950	0.002	65669	2.64	
29 N-Nitrosodi-n-propylamine	70	8.996	8.998	-0.002	47442	2.63	
30 Acetophenone	105	9.001	8.998	0.002	92401	3.52	
31 Hexachloroethane	117	9.106	9.104	0.002	28791	2.60	
32 Nitrobenzene	77	9.193	9.190	0.003	74856	2.65	
33 Isophorone	82	9.400	9.402	-0.002	126741	2.69	
35 2,4-Dimethylphenol	107	9.491	9.489	0.003	65762	2.66	
34 2-Nitrophenol	139	9.510	9.513	-0.003	32129	2.26	
36 Benzoic acid	105	9.520	9.520	0.000	6632	1.18	M
37 Bis(2-chloroethoxy)methane	93	9.592	9.594	-0.002	79143	2.59	
38 2,4-Dichlorophenol	162	9.731	9.729	0.002	52736	2.73	
39 1,2,4-Trichlorobenzene	180	9.832	9.835	-0.003	63933	2.60	
40 Alpha-Terpineol	59	9.847	9.849	-0.002	46435	2.66	
41 Naphthalene	128	9.909	9.907	0.002	213094	2.62	
42 4-Chloroaniline	127	9.962	9.960	0.002	79976	2.67	
43 Hexachlorobutadiene	225	10.054	10.056	-0.002	34945	2.69	
44 Caprolactam	55	10.260	10.268	-0.008	16438	2.15	
45 4-Chloro-3-methylphenol	107	10.395	10.397	-0.002	55673	2.70	
46 2-Methylnaphthalene	142	10.597	10.595	0.002	133528	2.62	
47 1-Methylnaphthalene	142	10.712	10.715	-0.003	129966	2.59	
49 1,2,4,5-Tetrachlorobenzene	216	10.804	10.806	-0.002	50925	2.60	
48 Hexachlorocyclopentadiene	237	10.809	10.811	-0.002	16728	2.23	
50 2,4,6-Trichlorophenol	196	10.890	10.893	-0.003	34145	2.84	
51 2,4,5-Trichlorophenol	196	10.929	10.931	-0.002	34033	2.75	
52 1,1'-Biphenyl	154	11.059	11.061	-0.002	157292	2.70	
53 2-Chloronaphthalene	162	11.097	11.099	-0.002	137859	2.67	
54 Phenyl ether	170	11.164	11.162	0.002	85777	2.59	
55 2-Nitroaniline	65	11.222	11.220	0.002	32228	2.48	
56 Dimethyl phthalate	163	11.376	11.378	-0.002	136430	2.72	
57 2,6-Dinitrotoluene	165	11.482	11.479	0.003	31772	2.74	
58 Acenaphthylene	152	11.540	11.537	0.003	188647	2.81	
59 3-Nitroaniline	138	11.636	11.633	0.003	31206	2.30	
61 Acenaphthene	153	11.717	11.720	-0.003	120968	2.67	
60 2,4-Dinitrophenol	184	11.732	11.729	0.003	1722	0.8883	
62 4-Nitrophenol	109	11.737	11.739	-0.002	10604	2.82	
64 Dibenzofuran	168	11.871	11.874	-0.003	166897	2.68	
63 2,4-Dinitrotoluene	165	11.876	11.878	-0.002	34984	2.44	
65 2,3,4,6-Tetrachlorophenol	232	11.977	11.979	-0.002	20286	2.13	
66 Diethyl phthalate	149	12.069	12.071	-0.002	135392	2.68	
67 4-Chlorophenyl phenyl ether	204	12.179	12.177	0.002	64698	2.72	
69 Fluorene	166	12.222	12.225	-0.003	135567	2.77	
68 4-Nitroaniline	138	12.261	12.263	-0.002	24458	2.51	
70 4,6-Dinitro-2-methylphenol	198	12.290	12.287	0.003	3565	1.21	
71 Diphenylamine	169	12.304	12.306	-0.002	113882	3.98	
72 N-Nitrosodiphenylamine	169	12.304	12.306	-0.002	113882	2.72	
74 Azobenzene	77	12.338	12.340	-0.002	138716	2.77	
73 1,2-Diphenylhydrazine	77	12.338	12.340	-0.002	138716	2.77	
75 4-Bromophenyl phenyl ether	248	12.679	12.677	0.002	33480	2.70	
77 Atrazine	200	12.824	12.821	0.003	33587	2.89	
76 Hexachlorobenzene	284	12.862	12.864	-0.002	34827	2.74	
78 Pentachlorophenol	266	13.030	13.028	0.002	8409	1.92	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	13.107	13.105	0.002	12544	2.56	
80 Phenanthrene	178	13.203	13.206	-0.003	181339	2.62	
81 Anthracene	178	13.251	13.249	0.002	169356	2.73	
83 Carbazole	167	13.396	13.398	-0.002	148484	2.71	
84 Di-n-butyl phthalate	149	13.679	13.682	-0.003	207680	2.58	
85 Pyrene	202	14.434	14.437	-0.003	162928	2.84	
86 Benzidine	184	14.531	14.528	0.003	27485	2.65	
87 Fluoranthene	202	14.689	14.692	-0.003	173558	2.70	
89 Butyl benzyl phthalate	149	15.271	15.273	-0.002	85277	2.76	
92 Bis(2-ethylhexyl) phthalate	149	15.853	15.851	0.002	96072	2.49	
91 3,3'-Dichlorobenzidine	252	15.925	15.923	0.002	28376	2.71	
93 Benzo[a]anthracene	228	15.983	15.985	-0.002	105274	2.68	
94 Chrysene	228	16.036	16.038	-0.002	103347	2.60	
95 Di-n-octyl phthalate	149	16.521	16.524	-0.003	104914	2.59	
97 Benzo[b]fluoranthene	252	17.325	17.327	-0.002	75731	2.84	
98 Benzo[k]fluoranthene	252	17.353	17.356	-0.003	69628	2.80	
99 Benzo[a]pyrene	252	17.820	17.822	-0.002	42234	2.41	
101 Dibenz(a,h)anthracene	278	19.820	19.823	-0.003	21884	2.74	
100 Indeno[1,2,3-cd]pyrene	276	19.835	19.837	-0.002	27307	2.46	
102 Benzo[g,h,i]perylene	276	20.431	20.433	-0.002	26729	2.66	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 18:35:34 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03096.D

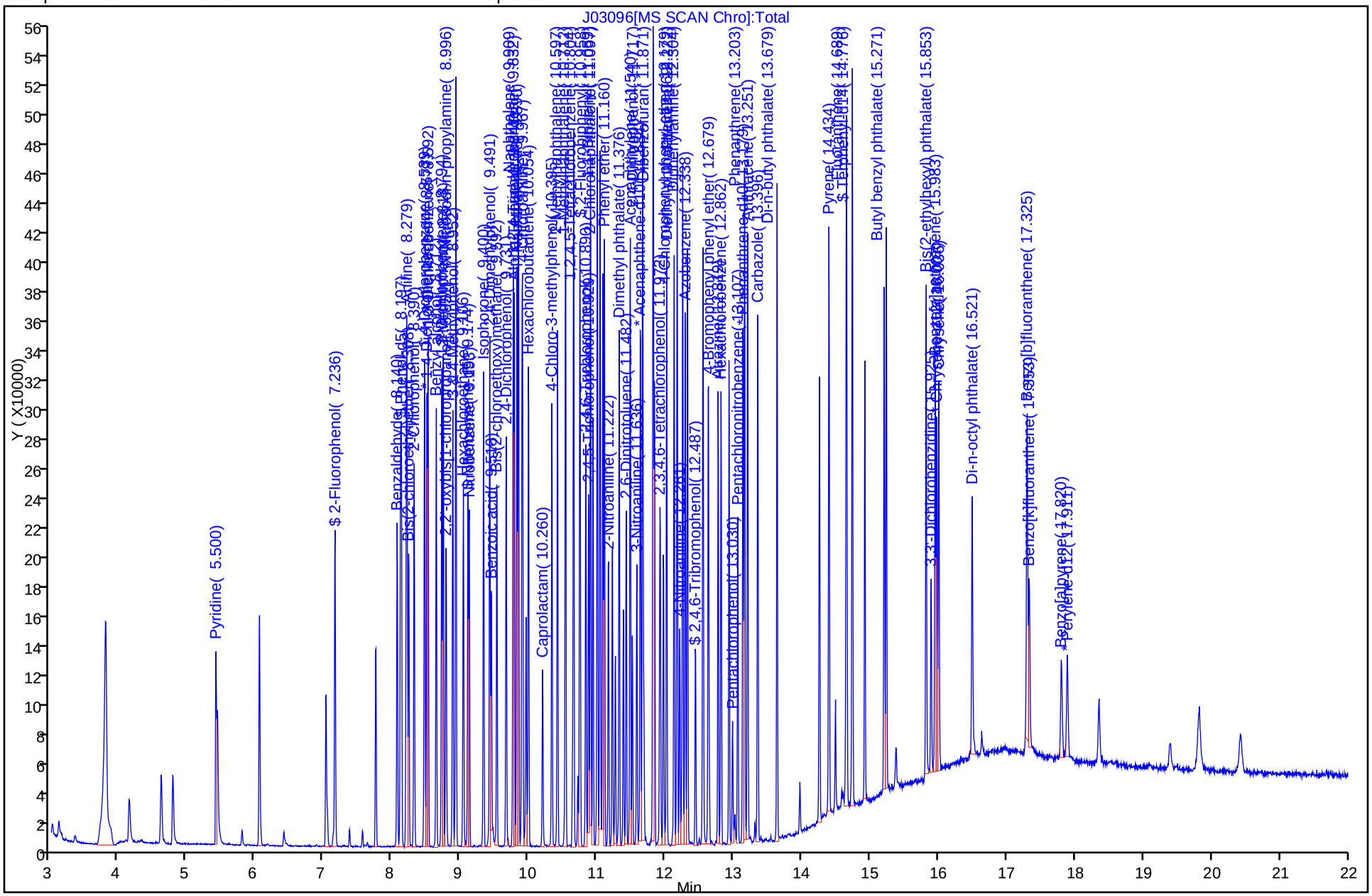
Inj Date: 23-Sep-2009 19:08:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 7

Client ID: Instrument: Inst. J

Sample Info: STD25

Sample Amount: 1.00 ul Operator:



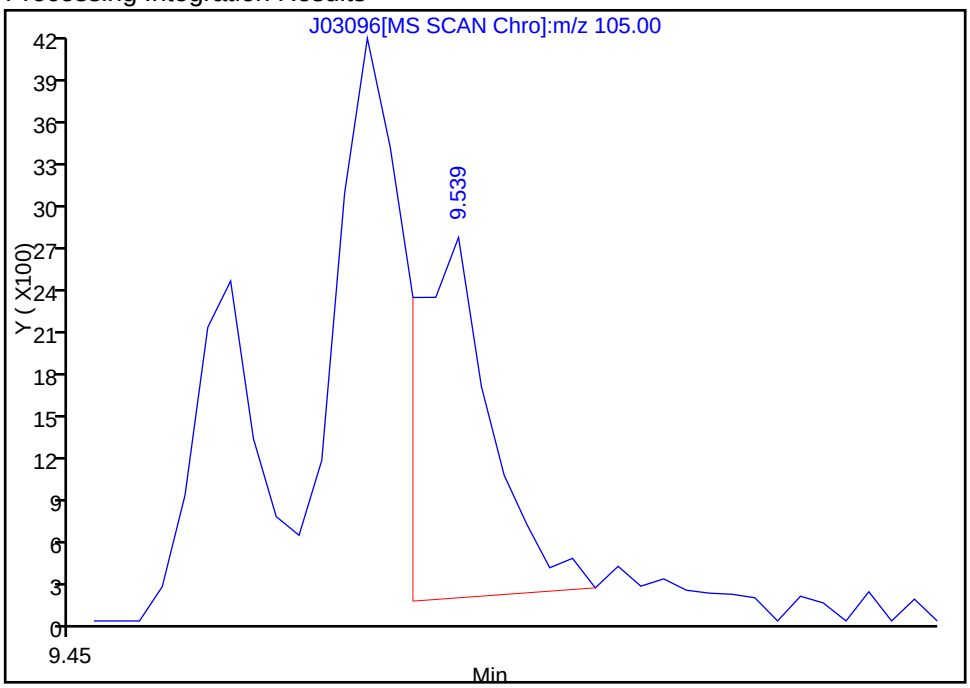
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03096.D		
Inj Date:	23-Sep-2009 19:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	7
Client ID:		Instrument:	Inst. J
Sample Info:	STD25		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 9.52

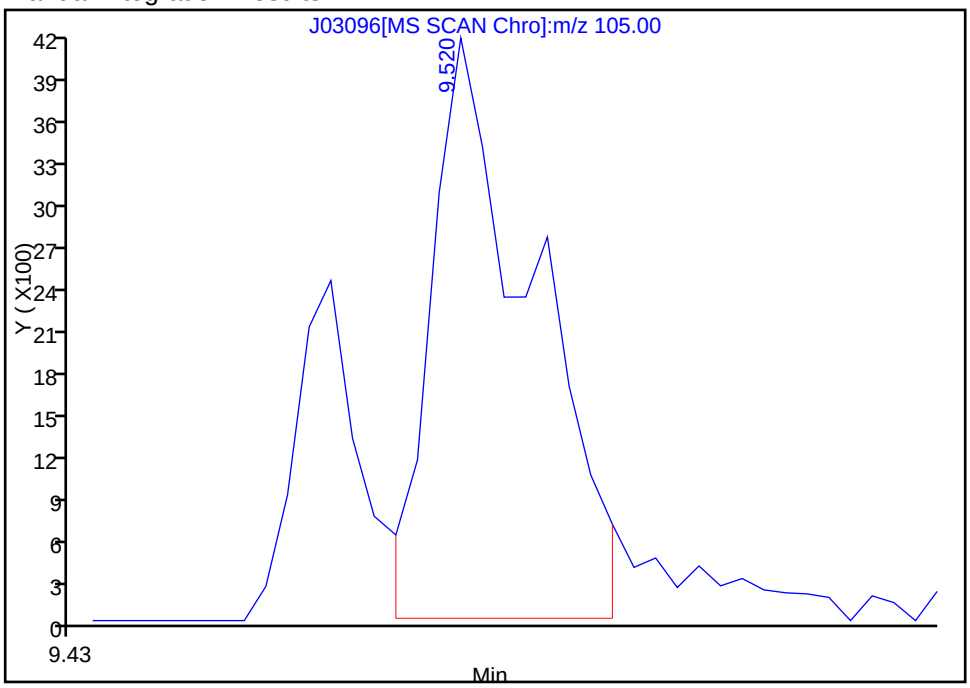
Processing Integration Results

RT: 9.54
Response: 2928
Amount: 0.542661



Manual Integration Results

RT: 9.52
Response: 6632
Amount: 1.182745



Reviewer: rachtank, 25-Sep-2009 18:35:33
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03097.D		
Lims ID:	std8	Client ID:	
Inject. Date:	23-Sep-2009 19:41:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	7
Sample ID:	STD8		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	49396	Lims Sample ID:	8
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:36:11	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 16:46:24
Reviewed By:	rachtank	Date:	25-Sep-2009 17:57:31
Reviewed By:	rachtank	Date:	25-Sep-2009 18:36:11

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.573	8.575	-0.002	101230	2.00	
* 2 Naphthalene-d8	136	9.891	9.888	0.003	183960	2.00	
* 3 Acenaphthene-d10	164	11.689	11.686	0.003	88188	2.00	
* 4 Phenanthrene-d10	188	13.185	13.182	0.003	141239	2.00	
* 5 Chrysene-d12	240	16.008	16.004	0.004	101622	2.00	
* 6 Perylene-d12	264	17.912	17.909	0.003	45243	2.00	
$ 7 2-Fluorophenol	112	7.236	7.233	0.003	227477	7.17	
$ 8 Phenol-d5	99	8.193	8.190	0.003	274575	7.05	
$ 9 Nitrobenzene-d5	82	9.174	9.171	0.003	246121	8.61	
$ 10 2-Fluorobiphenyl	172	10.963	10.960	0.003	473319	8.07	
$ 11 2,4,6-Tribromophenol	330	12.492	12.489	0.003	51274	8.48	
$ 12 Terphenyl-d14	244	14.777	14.778	-0.001	350468	8.30	
14 1,4-Dioxane	88	4.871	4.867	0.003	91100	6.84	
16 Pyridine	79	5.496	5.492	0.004	238381	6.97	
15 N-Nitrosodimethylamine	74	5.525	5.516	0.008	122509	6.88	
17 Benzaldehyde	105	8.140	8.142	-0.002	147523	6.88	
18 Phenol	94	8.208	8.205	0.003	287740	6.93	
19 Aniline	93	8.275	8.277	-0.002	339537	7.04	
20 Bis(2-chloroethyl)ether	93	8.314	8.310	0.004	232970	6.71	
21 2-Chlorophenol	128	8.391	8.387	0.004	234461	7.07	
22 1,4-Dichlorobenzene	146	8.540	8.536	0.004	260153	6.63	
23 1,3-Dichlorobenzene	146	8.593	8.589	0.004	266473	6.57	
24 Benzyl alcohol	79	8.713	8.709	0.004	194085	7.22	
25 1,2-Dichlorobenzene	146	8.794	8.791	0.003	246044	6.45	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
26 2-Methylphenol	108	8.819	8.815	0.004	211347	7.06	
27 2,2'-oxybis[1-chloropropane]	45	8.852	8.854	-0.002	221300	6.63	
28 3 & 4 Methylphenol	108	8.953	8.950	0.003	220605	7.10	
29 N-Nitrosodi-n-propylamine	70	8.996	8.998	-0.002	161665	7.19	
30 Acetophenone	105	9.001	8.998	0.003	300377	8.30	
31 Hexachloroethane	117	9.107	9.104	0.003	98020	7.09	
32 Nitrobenzene	77	9.194	9.190	0.004	247953	8.55	
33 Isophorone	82	9.400	9.402	-0.002	434745	8.99	
35 2,4-Dimethylphenol	107	9.492	9.489	0.004	216487	8.54	
34 2-Nitrophenol	139	9.516	9.513	0.003	125838	8.40	
36 Benzoic acid	105	9.540	9.520	0.020	53468	9.28	
37 Bis(2-chloroethoxy)methane	93	9.598	9.594	0.004	258859	8.25	
38 2,4-Dichlorophenol	162	9.732	9.729	0.003	176724	8.91	
39 1,2,4-Trichlorobenzene	180	9.833	9.835	-0.002	202853	8.04	
40 Alpha-Terpineol	59	9.852	9.849	0.003	158338	8.84	
41 Naphthalene	128	9.910	9.907	0.003	665484	7.97	
42 4-Chloroaniline	127	9.963	9.960	0.003	262963	8.54	
43 Hexachlorobutadiene	225	10.054	10.056	-0.002	107617	8.07	
44 Caprolactam	55	10.276	10.268	0.008	65044	8.01	
45 4-Chloro-3-methylphenol	107	10.401	10.397	0.004	191559	9.04	
46 2-Methylnaphthalene	142	10.598	10.595	0.003	421070	8.04	
47 1-Methylnaphthalene	142	10.713	10.715	-0.002	413805	8.03	
49 1,2,4,5-Tetrachlorobenzene	216	10.805	10.806	-0.001	160435	7.96	
48 Hexachlorocyclopentadiene	237	10.809	10.811	-0.002	68457	8.61	
50 2,4,6-Trichlorophenol	196	10.891	10.893	-0.002	119298	9.34	
51 2,4,5-Trichlorophenol	196	10.934	10.931	0.003	122365	9.33	
52 1,1'-Biphenyl	154	11.059	11.061	-0.002	491438	7.95	
53 2-Chloronaphthalene	162	11.103	11.099	0.004	442774	8.09	
54 Phenyl ether	170	11.160	11.162	-0.002	273265	8.02	
55 2-Nitroaniline	65	11.223	11.220	0.003	117088	8.31	
56 Dimethyl phthalate	163	11.382	11.378	0.004	446933	8.40	
57 2,6-Dinitrotoluene	165	11.483	11.479	0.004	107580	8.64	
58 Acenaphthylene	152	11.540	11.537	0.003	614292	8.61	
59 3-Nitroaniline	138	11.636	11.633	0.003	106486	6.80	
61 Acenaphthene	153	11.718	11.720	-0.002	388249	8.06	
60 2,4-Dinitrophenol	184	11.733	11.729	0.004	16775	8.15	
62 4-Nitrophenol	109	11.742	11.739	0.003	51933	13.0	
64 Dibenzofuran	168	11.872	11.874	-0.002	537246	8.14	
63 2,4-Dinitrotoluene	165	11.882	11.878	0.004	131054	8.35	
65 2,3,4,6-Tetrachlorophenol	232	11.978	11.979	-0.001	84995	8.09	
66 Diethyl phthalate	149	12.069	12.071	-0.002	440888	8.23	
67 4-Chlorophenyl phenyl ether	204	12.180	12.177	0.003	206118	8.16	
69 Fluorene	166	12.223	12.225	-0.002	433421	8.34	
68 4-Nitroaniline	138	12.266	12.263	0.003	84166	7.92	
70 4,6-Dinitro-2-methylphenol	198	12.290	12.287	0.003	28674	9.22	
71 Diphenylamine	169	12.305	12.306	-0.001	375207	10.7	
72 N-Nitrosodiphenylamine	169	12.305	12.306	-0.001	375207	8.53	
74 Azobenzene	77	12.339	12.340	-0.001	464232	8.82	
73 1,2-Diphenylhydrazine	77	12.339	12.340	-0.001	464232	8.82	
75 4-Bromophenyl phenyl ether	248	12.680	12.677	0.003	108400	8.32	
77 Atrazine	200	12.824	12.821	0.003	114254	9.35	
76 Hexachlorobenzene	284	12.863	12.864	-0.001	109117	8.15	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	13.031	13.028	0.003	45066	8.19	
79 Pentachloronitrobenzene	237	13.108	13.105	0.003	43126	8.21	
80 Phenanthrene	178	13.209	13.206	0.003	585121	8.02	
81 Anthracene	178	13.252	13.249	0.003	567916	8.70	
83 Carbazole	167	13.401	13.398	0.003	499105	8.65	
84 Di-n-butyl phthalate	149	13.680	13.682	-0.002	707440	8.34	
85 Pyrene	202	14.435	14.437	-0.002	549157	8.40	
86 Benzidine	184	14.531	14.528	0.003	84586	7.01	
87 Fluoranthene	202	14.690	14.692	-0.002	571286	8.44	
89 Butyl benzyl phthalate	149	15.272	15.273	-0.001	296221	8.33	
92 Bis(2-ethylhexyl) phthalate	149	15.849	15.851	-0.002	368890	8.24	
91 3,3'-Dichlorobenzidine	252	15.926	15.923	0.003	93475	7.75	
93 Benzo[a]anthracene	228	15.984	15.985	-0.001	382040	8.55	
94 Chrysene	228	16.037	16.038	-0.001	361160	7.99	
95 Di-n-octyl phthalate	149	16.522	16.524	-0.002	450597	8.44	
97 Benzo[b]fluoranthene	252	17.325	17.327	-0.002	276624	8.84	
98 Benzo[k]fluoranthene	252	17.359	17.356	0.003	241262	8.22	
99 Benzo[a]pyrene	252	17.825	17.822	0.003	175440	8.30	
101 Dibenz(a,h)anthracene	278	19.821	19.823	-0.002	93152	8.35	
100 Indeno[1,2,3-cd]pyrene	276	19.835	19.837	-0.002	117962	7.47	
102 Benzo[g,h,i]perylene	276	20.437	20.433	0.004	103457	7.68	

Report Date: 25-Sep-2009 18:36:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03097.D

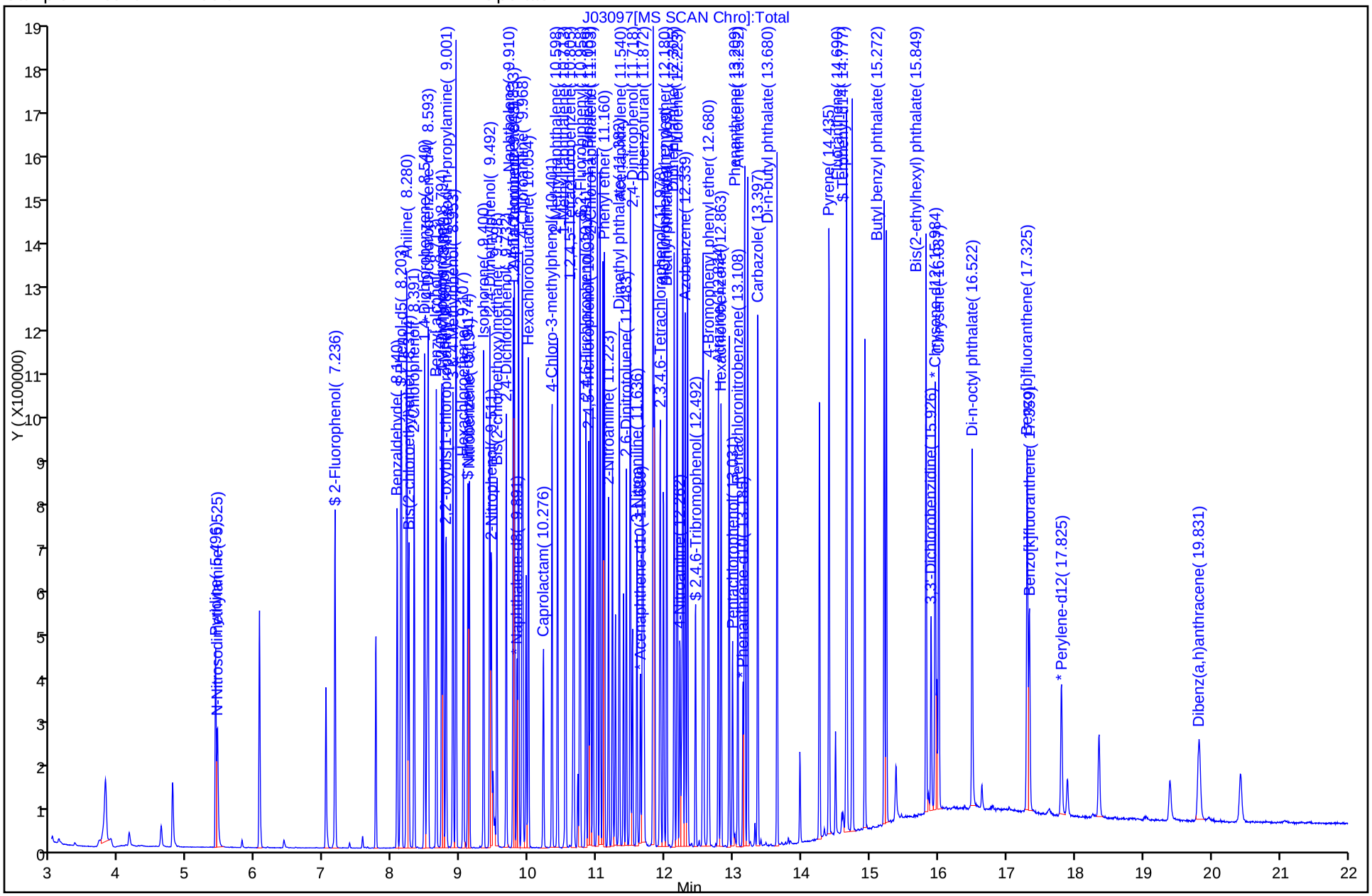
Inj Date: 23-Sep-2009 19:41:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 8

Client ID: Instrument: Inst. J

Sample Info: STD8

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03098.D		
Lims ID:	std10	Client ID:	
Inject. Date:	23-Sep-2009 20:14:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	8
Sample ID:	STD10		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	49396	Lims Sample ID:	9
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 18:36:52	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 16:48:02
Reviewed By:	rachtank	Date:	25-Sep-2009 18:36:52

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	8.576	8.575	0.001	64784	2.00	
* 2 Naphthalene-d8	136	9.889	9.888	0.001	137203	2.00	
* 3 Acenaphthene-d10	164	11.687	11.686	0.001	68298	2.00	
* 4 Phenanthrene-d10	188	13.183	13.182	0.001	111787	2.00	
* 5 Chrysene-d12	240	16.010	16.004	0.006	80330	2.00	
* 6 Perylene-d12	264	17.910	17.909	0.001	36149	2.00	s
$ 7 2-Fluorophenol	112	7.234	7.233	0.001	207372	10.2	
$ 8 Phenol-d5	99	8.191	8.190	0.001	249631	10.0	
$ 9 Nitrobenzene-d5	82	9.172	9.171	0.001	225785	10.6	
$ 10 2-Fluorobiphenyl	172	10.961	10.960	0.001	441120	9.71	
$ 11 2,4,6-Tribromophenol	330	12.490	12.489	0.001	46181	9.64	
$ 12 Terphenyl-d14	244	14.779	14.778	0.001	322292	9.65	
14 1,4-Dioxane	88	4.854	4.867	-0.013	82454	9.74	
16 Pyridine	79	5.484	5.492	-0.008	219939	10.0	
15 N-Nitrosodimethylamine	74	5.517	5.516	0.001	111736	9.80	
17 Benzaldehyde	105	8.143	8.142	0.001	136902	9.98	
18 Phenol	94	8.205	8.205	0.000	262366	9.87	
19 Aniline	93	8.278	8.277	0.001	317062	10.3	
20 Bis(2-chloroethyl)ether	93	8.311	8.310	0.001	208662	9.40	
21 2-Chlorophenol	128	8.388	8.387	0.001	212084	9.99	
22 1,4-Dichlorobenzene	146	8.542	8.536	0.006	238255	9.49	
23 1,3-Dichlorobenzene	146	8.590	8.589	0.001	244127	9.41	
24 Benzyl alcohol	79	8.710	8.709	0.001	177482	10.3	
25 1,2-Dichlorobenzene	146	8.792	8.791	0.001	224603	9.20	
26 2-Methylphenol	108	8.816	8.815	0.001	194663	10.2	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	8.855	8.854	0.001	202298	9.47	
28 3 & 4 Methylphenol	108	8.956	8.950	0.006	201229	10.1	
29 N-Nitrosodi-n-propylamine	70	8.999	8.998	0.001	147442	10.2	
30 Acetophenone	105	8.999	8.998	0.001	275334	10.7	
31 Hexachloroethane	117	9.105	9.104	0.001	87769	9.92	
32 Nitrobenzene	77	9.191	9.190	0.001	227171	10.5	
33 Isophorone	82	9.403	9.402	0.001	402572	11.2	
35 2,4-Dimethylphenol	107	9.494	9.489	0.006	197346	10.4	
34 2-Nitrophenol	139	9.513	9.513	0.000	109921	9.83	
36 Benzoic acid	105	9.538	9.520	0.018	40193	9.36	
37 Bis(2-chloroethoxy)methane	93	9.595	9.594	0.001	237295	10.1	
38 2,4-Dichlorophenol	162	9.735	9.729	0.006	163946	11.1	
39 1,2,4-Trichlorobenzene	180	9.836	9.835	0.001	185304	9.85	
40 Alpha-Terpineol	59	9.850	9.849	0.001	145534	10.9	
41 Naphthalene	128	9.913	9.907	0.006	613972	9.86	
42 4-Chloroaniline	127	9.961	9.960	0.001	251005	10.9	
43 Hexachlorobutadiene	225	10.057	10.056	0.001	100787	10.1	
44 Caprolactam	55	10.273	10.268	0.005	61126	10.1	
45 4-Chloro-3-methylphenol	107	10.398	10.397	0.001	176141	11.2	
46 2-Methylnaphthalene	142	10.595	10.595	0.000	391886	10.0	
47 1-Methylnaphthalene	142	10.716	10.715	0.001	381670	9.93	
49 1,2,4,5-Tetrachlorobenzene	216	10.807	10.806	0.001	150658	10.0	
48 Hexachlorocyclopentadiene	237	10.812	10.811	0.001	61875	10.1	
50 2,4,6-Trichlorophenol	196	10.894	10.893	0.001	109466	11.1	
51 2,4,5-Trichlorophenol	196	10.932	10.931	0.001	112896	11.1	
52 1,1'-Biphenyl	154	11.062	11.061	0.001	461945	9.65	
53 2-Chloronaphthalene	162	11.100	11.099	0.001	411212	9.70	
54 Phenyl ether	170	11.163	11.162	0.001	254125	10.0	
55 2-Nitroaniline	65	11.221	11.220	0.001	106585	9.75	
56 Dimethyl phthalate	163	11.379	11.378	0.001	415702	10.1	
57 2,6-Dinitrotoluene	165	11.485	11.479	0.006	98900	10.2	
58 Acenaphthylene	152	11.538	11.537	0.001	568052	10.3	
59 3-Nitroaniline	138	11.639	11.633	0.006	98513	9.56	
61 Acenaphthene	153	11.721	11.720	0.001	364159	9.77	
60 2,4-Dinitrophenol	184	11.730	11.729	0.001	15951	10.0	
62 4-Nitrophenol	109	11.740	11.739	0.001	46446	15.0	
64 Dibenzofuran	168	11.875	11.874	0.001	497711	9.74	
63 2,4-Dinitrotoluene	165	11.879	11.878	0.001	122207	10.0	
65 2,3,4,6-Tetrachlorophenol	232	11.980	11.979	0.001	78954	9.69	
66 Diethyl phthalate	149	12.072	12.071	0.001	411939	9.92	
67 4-Chlorophenyl phenyl ether	204	12.182	12.177	0.005	191869	9.81	
69 Fluorene	166	12.226	12.225	0.001	398525	9.90	
68 4-Nitroaniline	138	12.264	12.263	0.001	82604	10.0	
70 4,6-Dinitro-2-methylphenol	198	12.288	12.287	0.001	26767	10.9	
71 Diphenylamine	169	12.307	12.306	0.001	345340	11.0	
72 N-Nitrosodiphenylamine	169	12.307	12.306	0.001	345340	9.91	
74 Azobenzene	77	12.341	12.340	0.001	432039	10.4	
73 1,2-Diphenylhydrazine	77	12.341	12.340	0.001	432039	10.4	
75 4-Bromophenyl phenyl ether	248	12.678	12.677	0.001	99880	9.68	
77 Atrazine	200	12.822	12.821	0.001	105613	10.9	
76 Hexachlorobenzene	284	12.865	12.864	0.001	101215	9.55	
78 Pentachlorophenol	266	13.029	13.028	0.001	40693	9.16	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
79 Pentachloronitrobenzene	237	13.106	13.105	0.001	40940	9.83	
80 Phenanthrene	178	13.207	13.206	0.001	548703	9.50	
81 Anthracene	178	13.250	13.249	0.001	532662	10.3	
83 Carbazole	167	13.399	13.398	0.001	457687	10.0	
84 Di-n-butyl phthalate	149	13.678	13.682	-0.004	656365	9.78	
85 Pyrene	202	14.438	14.437	0.001	501474	9.70	
86 Benzidine	184	14.529	14.528	0.001	103873	10.7	
87 Fluoranthene	202	14.693	14.692	0.001	534213	9.98	
89 Butyl benzyl phthalate	149	15.274	15.273	0.001	274383	9.75	
92 Bis(2-ethylhexyl) phthalate	149	15.851	15.851	0.000	346395	9.77	
91 3,3'-Dichlorobenzidine	252	15.924	15.923	0.001	100441	10.5	
93 Benzo[a]anthracene	228	15.986	15.985	0.001	358671	10.2	
94 Chrysene	228	16.039	16.038	0.001	338655	9.48	
95 Di-n-octyl phthalate	149	16.525	16.524	0.001	414548	9.65	
97 Benzo[b]fluoranthene	252	17.328	17.327	0.001	267242	10.7	
98 Benzo[k]fluoranthene	252	17.357	17.356	0.001	234013	9.96	
99 Benzo[a]pyrene	252	17.828	17.822	0.006	171125	10.1	
101 Dibenz(a,h)anthracene	278	19.819	19.823	-0.004	93897	10.1	
100 Indeno[1,2,3-cd]pyrene	276	19.833	19.837	-0.004	119142	9.28	
102 Benzo[g,h,i]perylene	276	20.434	20.433	0.001	100108	9.19	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Report Date: 25-Sep-2009 18:36:53 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03098.D

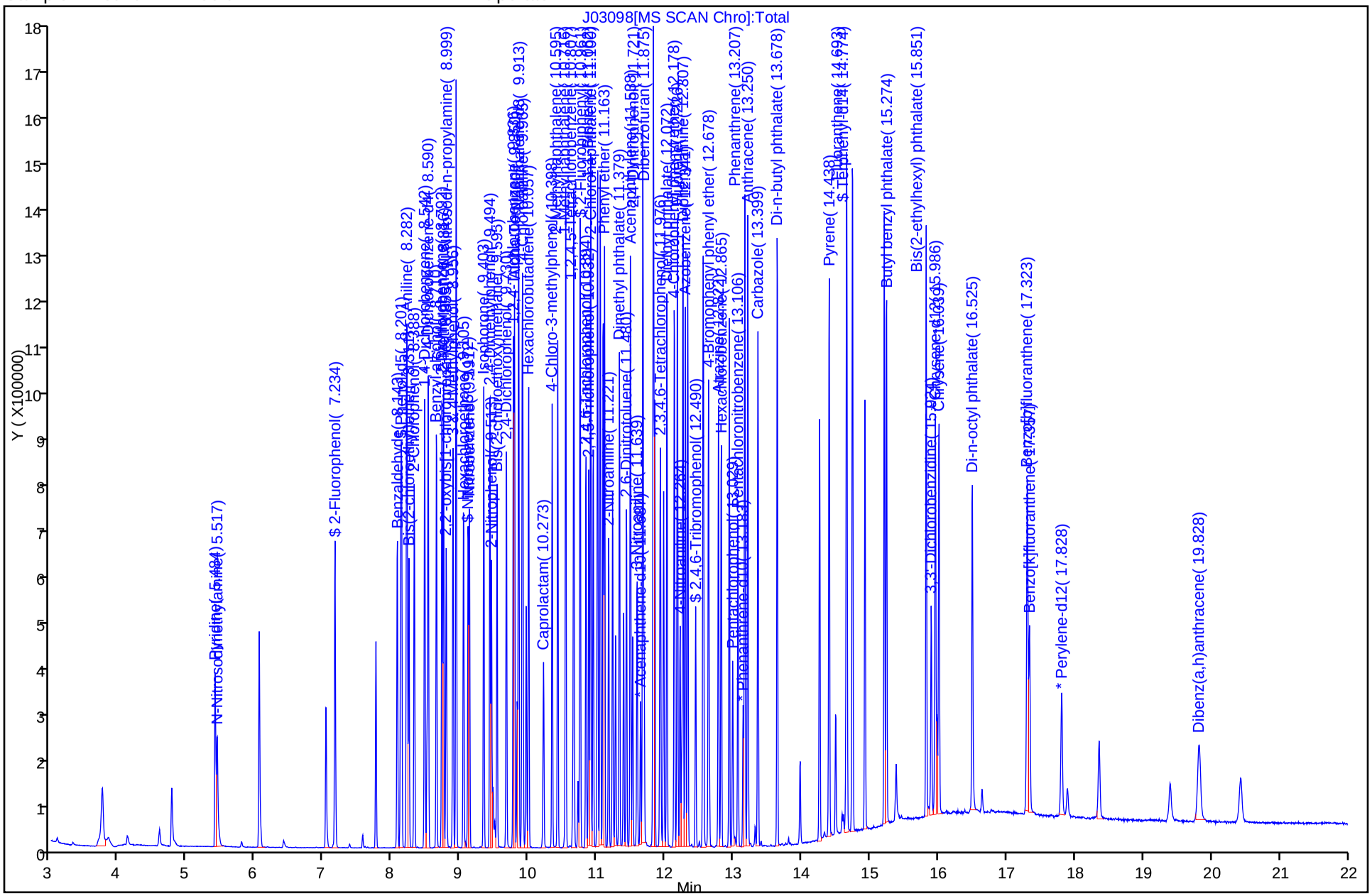
Inj Date: 23-Sep-2009 20:14:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 9

Client ID: Instrument: Inst. J

Sample Info: STD10

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Lims ID:	std20	Client ID:	
Inject. Date:	23-Sep-2009 20:48:30	Dil. Factor:	1.0000
Sample Type:	IC, ICal Standard	Calib Level:	9
Sample ID:	ICV		
Misc. Info.:	360-00001269-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	49396	Lims Sample ID:	10
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 19:06:05	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	25-Sep-2009 16:48:50
Reviewed By:	rachtank	Date:	25-Sep-2009 18:43:41
Reviewed By:	rachtank	Date:	25-Sep-2009 18:59:22
Reviewed By:	rachtank	Date:	25-Sep-2009 19:06:05

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.579	8.575	0.004	79202	2.00	
* 2 Naphthalene-d8	136	9.891	9.888	0.003	185673	2.00	
* 3 Acenaphthene-d10	164	11.690	11.686	0.004	91668	2.00	
* 4 Phenanthrene-d10	188	13.186	13.182	0.004	150523	2.00	
* 5 Chrysene-d12	240	16.008	16.004	0.004	104606	2.00	
* 6 Perylene-d12	264	17.913	17.909	0.004	50410	2.00	
$ 7 2-Fluorophenol	112	7.237	7.233	0.004	550118	22.2	5
$ 8 Phenol-d5	99	8.199	8.190	0.009	659207	21.6	5
$ 9 Nitrobenzene-d5	82	9.180	9.171	0.009	614260	21.3	5
$ 10 2-Fluorobiphenyl	172	10.964	10.960	0.004	1119193	18.4	
$ 11 2,4,6-Tribromophenol	330	12.493	12.489	0.004	133076	20.5	5
$ 12 Terphenyl-d14	244	14.782	14.778	0.004	851109	19.6	
14 1,4-Dioxane	88	4.866	4.867	-0.001	219425	21.4	5
16 Pyridine	79	5.491	5.492	-0.001	587683	22.0	5
15 N-Nitrosodimethylamine	74	5.525	5.516	0.009	304523	21.9	5
17 Benzaldehyde	105	8.146	8.142	0.004	354559	21.1	5
18 Phenol	94	8.208	8.205	0.003	691050	21.3	5
19 Aniline	93	8.281	8.277	0.004	843876	22.4	5
20 Bis(2-chloroethyl)ether	93	8.314	8.310	0.004	545442	20.1	5
21 2-Chlorophenol	128	8.391	8.387	0.004	566781	21.8	5
22 1,4-Dichlorobenzene	146	8.545	8.536	0.009	625642	20.4	5
23 1,3-Dichlorobenzene	146	8.593	8.589	0.004	639869	20.2	5
24 Benzyl alcohol	79	8.718	8.709	0.009	490545	23.3	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
25 1,2-Dichlorobenzene	146	8.795	8.791	0.004	579998	19.4	
26 2-Methylphenol	108	8.819	8.815	0.004	515444	22.0	5
27 2,2'-oxybis[1-chloropropane]	45	8.858	8.854	0.004	541137	20.7	5
28 3 & 4 Methylphenol	108	8.959	8.950	0.009	536187	22.0	5
29 N-Nitrosodi-n-propylamine	70	9.007	8.998	0.009	400330	22.8	5
30 Acetophenone	105	9.007	8.998	0.009	723832	21.1	5
31 Hexachloroethane	117	9.108	9.104	0.004	241906	22.4	5
32 Nitrobenzene	77	9.199	9.190	0.009	616989	21.1	5
33 Isophorone	82	9.406	9.402	0.004	1077260	22.1	5
35 2,4-Dimethylphenol	107	9.497	9.489	0.009	535823	20.9	5
34 2-Nitrophenol	139	9.516	9.513	0.003	308704	20.3	5
36 Benzoic acid	105	9.565	9.565	0.000	224331	20.0	5M
37 Bis(2-chloroethoxy)methane	93	9.598	9.594	0.004	629695	19.9	
38 2,4-Dichlorophenol	162	9.738	9.729	0.009	435981	21.8	5
39 1,2,4-Trichlorobenzene	180	9.834	9.835	-0.001	478405	18.8	
40 Alpha-Terpineol	59	9.853	9.849	0.004	395511	21.9	5
41 Naphthalene	128	9.916	9.907	0.009	1590671	18.9	
42 4-Chloroaniline	127	9.964	9.960	0.004	674792	21.7	5
43 Hexachlorobutadiene	225	10.060	10.056	0.004	257437	19.1	
44 Caprolactam	55	10.295	10.268	0.027	172985	20.9	5
45 4-Chloro-3-methylphenol	107	10.406	10.397	0.009	484578	22.7	5
46 2-Methylnaphthalene	142	10.598	10.595	0.003	1015979	19.2	
47 1-Methylnaphthalene	142	10.719	10.715	0.004	996316	19.2	
49 1,2,4,5-Tetrachlorobenzene	216	10.805	10.806	-0.001	376956	18.5	
48 Hexachlorocyclopentadiene	237	10.810	10.811	-0.001	187429	22.7	5
50 2,4,6-Trichlorophenol	196	10.897	10.893	0.004	298958	22.5	5
51 2,4,5-Trichlorophenol	196	10.940	10.931	0.009	306195	22.5	5
52 1,1'-Biphenyl	154	11.065	11.061	0.004	1175836	18.3	
53 2-Chloronaphthalene	162	11.103	11.099	0.004	1074893	18.9	
54 Phenyl ether	170	11.166	11.162	0.004	657262	19.1	
55 2-Nitroaniline	65	11.228	11.220	0.008	301289	20.4	5
56 Dimethyl phthalate	163	11.387	11.378	0.009	1096147	19.8	
57 2,6-Dinitrotoluene	165	11.488	11.479	0.009	270639	20.8	5
58 Acenaphthylene	152	11.541	11.537	0.004	1505909	20.3	5
59 3-Nitroaniline	138	11.642	11.633	0.009	275002	20.3	5
61 Acenaphthene	153	11.724	11.720	0.004	938532	18.8	
60 2,4-Dinitrophenol	184	11.733	11.735	-0.002	73615	20.0	5
62 4-Nitrophenol	109	11.748	11.748	0.000	147748	20.6	5M
64 Dibenzofuran	168	11.878	11.874	0.004	1275031	18.6	
63 2,4-Dinitrotoluene	165	11.882	11.878	0.004	333409	20.3	5
65 2,3,4,6-Tetrachlorophenol	232	11.983	11.979	0.004	229822	20.9	5
66 Diethyl phthalate	149	12.075	12.071	0.004	1114618	20.0	5
67 4-Chlorophenyl phenyl ether	204	12.180	12.177	0.003	502685	19.2	
69 Fluorene	166	12.229	12.225	0.004	1058905	19.6	
68 4-Nitroaniline	138	12.272	12.263	0.009	233875	21.0	5
70 4,6-Dinitro-2-methylphenol	198	12.296	12.287	0.009	114956	20.0	5
71 Diphenylamine	169	12.310	12.306	0.004	922038	19.7	
72 N-Nitrosodiphenylamine	169	12.310	12.306	0.004	922038	19.7	
74 Azobenzene	77	12.344	12.340	0.004	1200124	21.4	5
73 1,2-Diphenylhydrazine	77	12.344	12.340	0.004	1200124	21.4	5
75 4-Bromophenyl phenyl ether	248	12.681	12.677	0.004	267972	19.3	
77 Atrazine	200	12.830	12.821	0.009	286078	22.0	5

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
76 Hexachlorobenzene	284	12.868	12.864	0.004	265443	18.6	
78 Pentachlorophenol	266	13.032	13.028	0.004	144989	20.1	5
79 Pentachloronitrobenzene	237	13.113	13.105	0.008	114830	20.4	5
80 Phenanthrene	178	13.210	13.206	0.004	1435212	18.5	
81 Anthracene	178	13.253	13.249	0.004	1420085	20.4	5
83 Carbazole	167	13.402	13.398	0.004	1244280	20.2	5
84 Di-n-butyl phthalate	149	13.681	13.682	-0.001	1805707	20.0	
85 Pyrene	202	14.441	14.437	0.004	1352874	20.1	5
86 Benzidine	184	14.532	14.528	0.004	272774	20.4	5
87 Fluoranthene	202	14.695	14.692	0.003	1393027	19.3	
89 Butyl benzyl phthalate	149	15.273	15.273	0.000	755722	20.6	5
92 Bis(2-ethylhexyl) phthalate	149	15.854	15.851	0.003	961483	20.8	5
91 3,3'-Dichlorobenzidine	252	15.927	15.923	0.004	248417	19.9	
93 Benzo[a]anthracene	228	15.989	15.985	0.004	938654	20.4	5
94 Chrysene	228	16.042	16.038	0.004	874764	18.8	5
95 Di-n-octyl phthalate	149	16.523	16.524	-0.001	1244825	20.3	5
97 Benzo[b]fluoranthene	252	17.331	17.327	0.004	653170	18.7	
98 Benzo[k]fluoranthene	252	17.360	17.356	0.004	674055	20.5	5
99 Benzo[a]pyrene	252	17.831	17.822	0.009	486989	20.5	5
101 Dibenz(a,h)anthracene	278	19.826	19.823	0.003	312311	20.0	
100 Indeno[1,2,3-cd]pyrene	276	19.846	19.837	0.009	388032	20.8	5
102 Benzo[g,h,i]perylene	276	20.442	20.433	0.009	325352	20.7	5

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

Report Date: 25-Sep-2009 19:06:07 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D

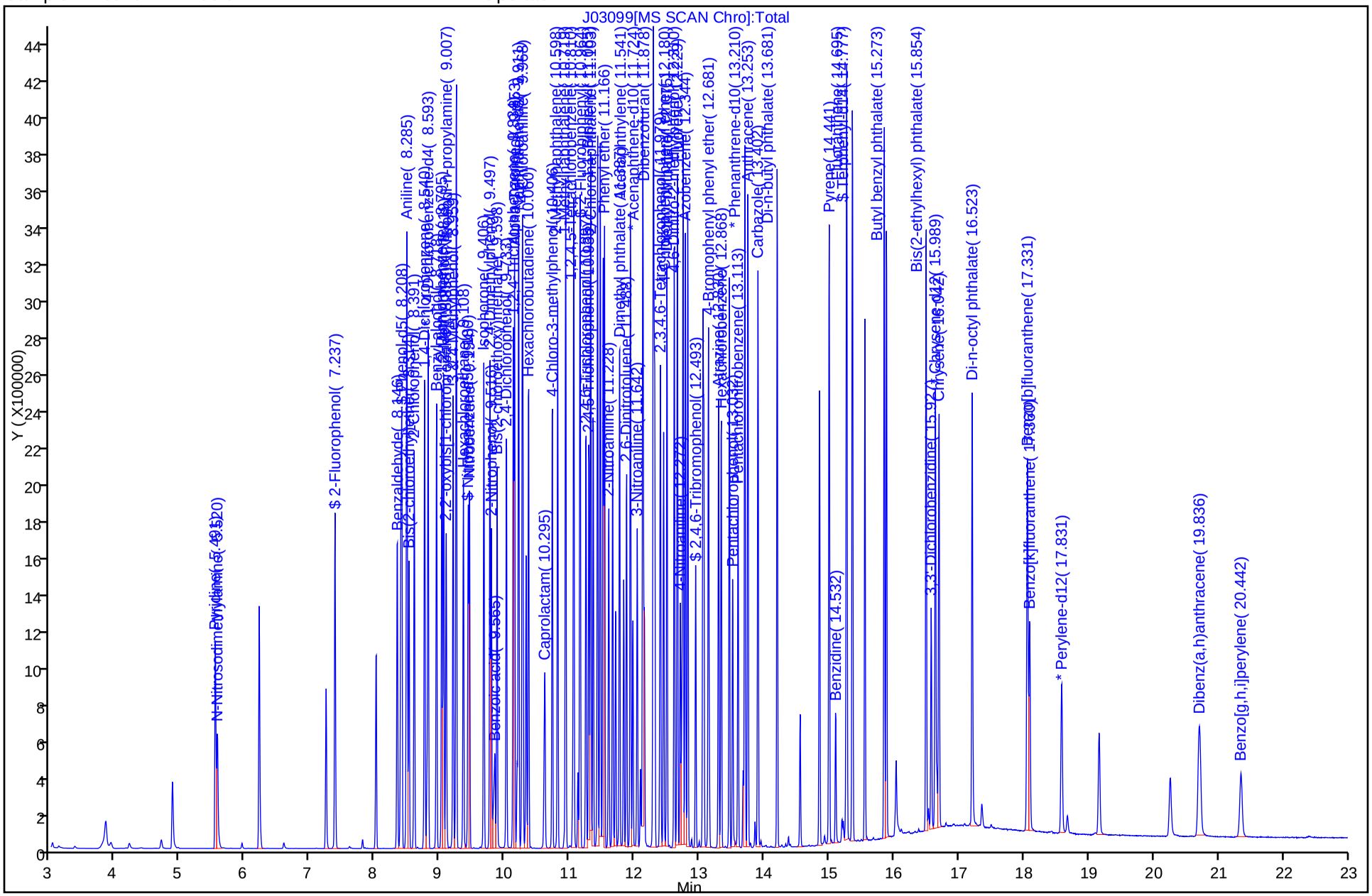
Inj Date: 23-Sep-2009 20:48:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49396 Lims Sample ID: 10

Client ID: Instrument: Inst. J

Sample Info: ICV

Sample Amount: 1.00 ul Operator:



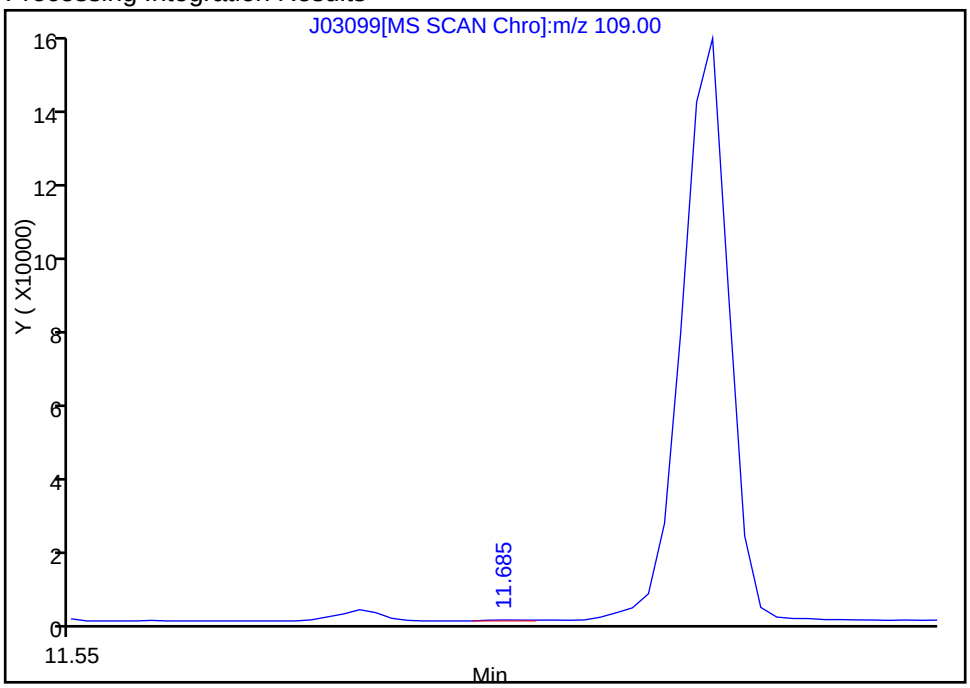
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Inj Date:	23-Sep-2009 20:48:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	10
Client ID:		Instrument:	Inst. J
Sample Info:	ICV		
Sample Amount:	1.00 ul	Operator:	

62 4-Nitrophenol, Number: 1, m/z: 109 Type: quant, RT: 11.75

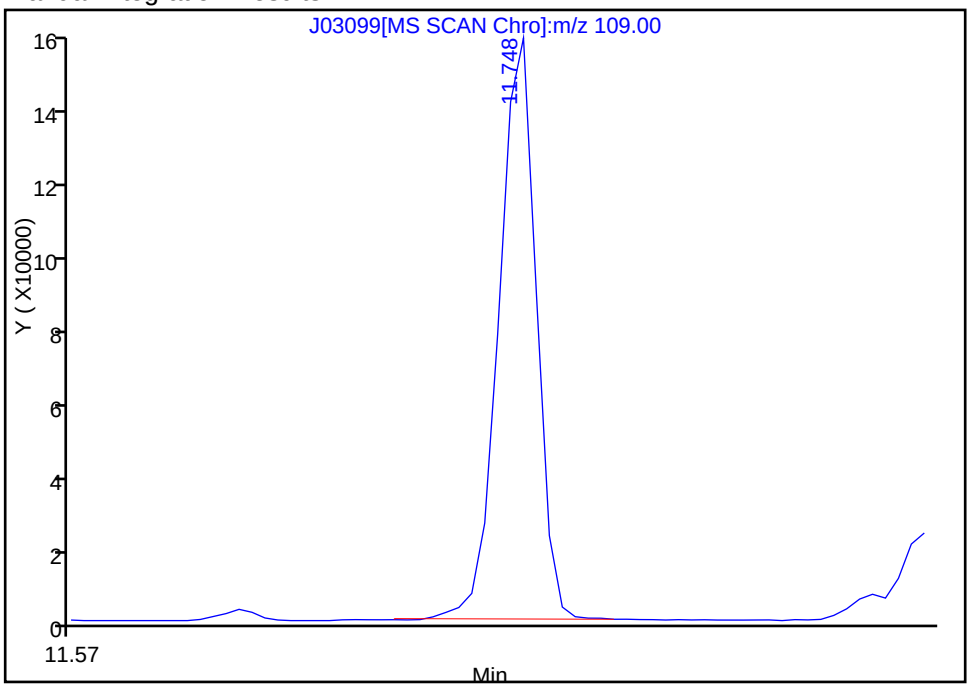
Processing Integration Results

RT: 11.69
Response: 259
Amount: 0.062513



Manual Integration Results

RT: 11.75
Response: 147748
Amount: 20.602255



Reviewer: rachtank, 25-Sep-2009 18:43:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

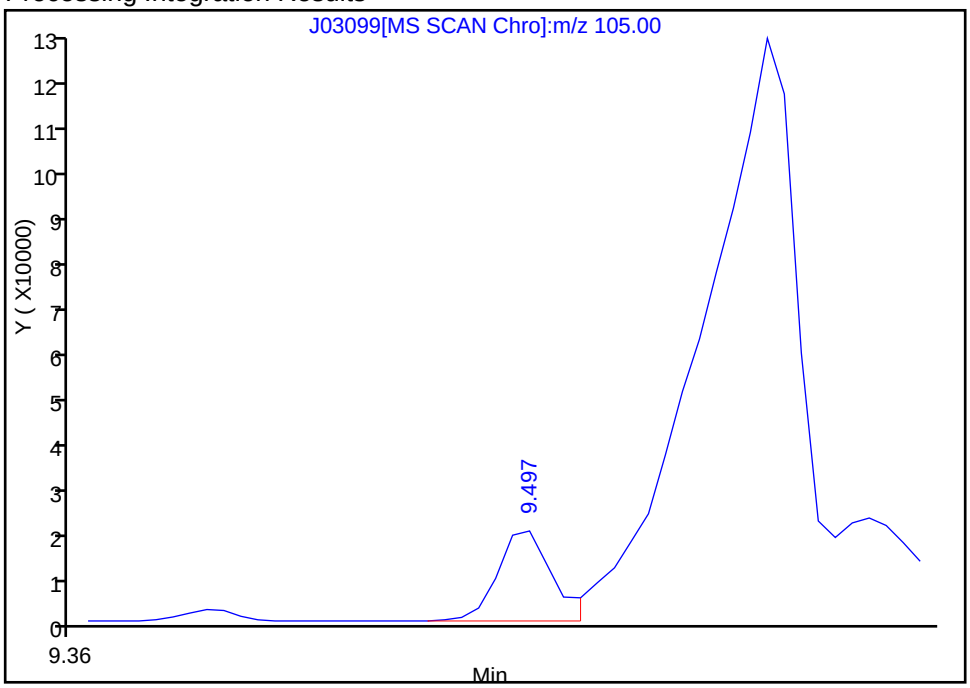
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Inj Date:	23-Sep-2009 20:48:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	10
Client ID:		Instrument:	Inst. J
Sample Info:	ICV		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 9.56

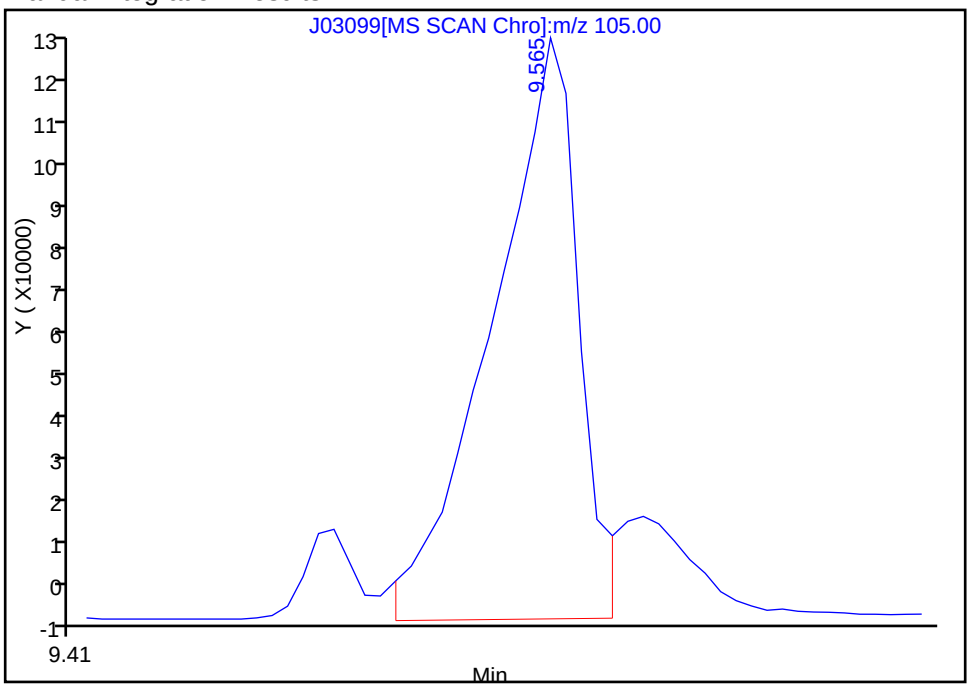
Processing Integration Results

RT: 9.50
Response: 20214
Amount: 4.637270



Manual Integration Results

RT: 9.56
Response: 224331
Amount: 20.035861



Reviewer: rachtank, 25-Sep-2009 18:43:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCV 360-49444/16 Calibration Date: 09/24/2009 00:08

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

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

Lab File ID: B10523.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2		0.0001			5000	-100.0*	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10523.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	24-Sep-2009 00:08:30	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:	49444	Lims Sample ID:	16
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	30-Sep-2009 13:28:04	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	CORPWALTERS		
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:44:39
Reviewed By:	sullivanp	Date:	25-Sep-2009 11:50:12
Reviewed By:	waltersg	Date:	30-Sep-2009 13:28:04

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

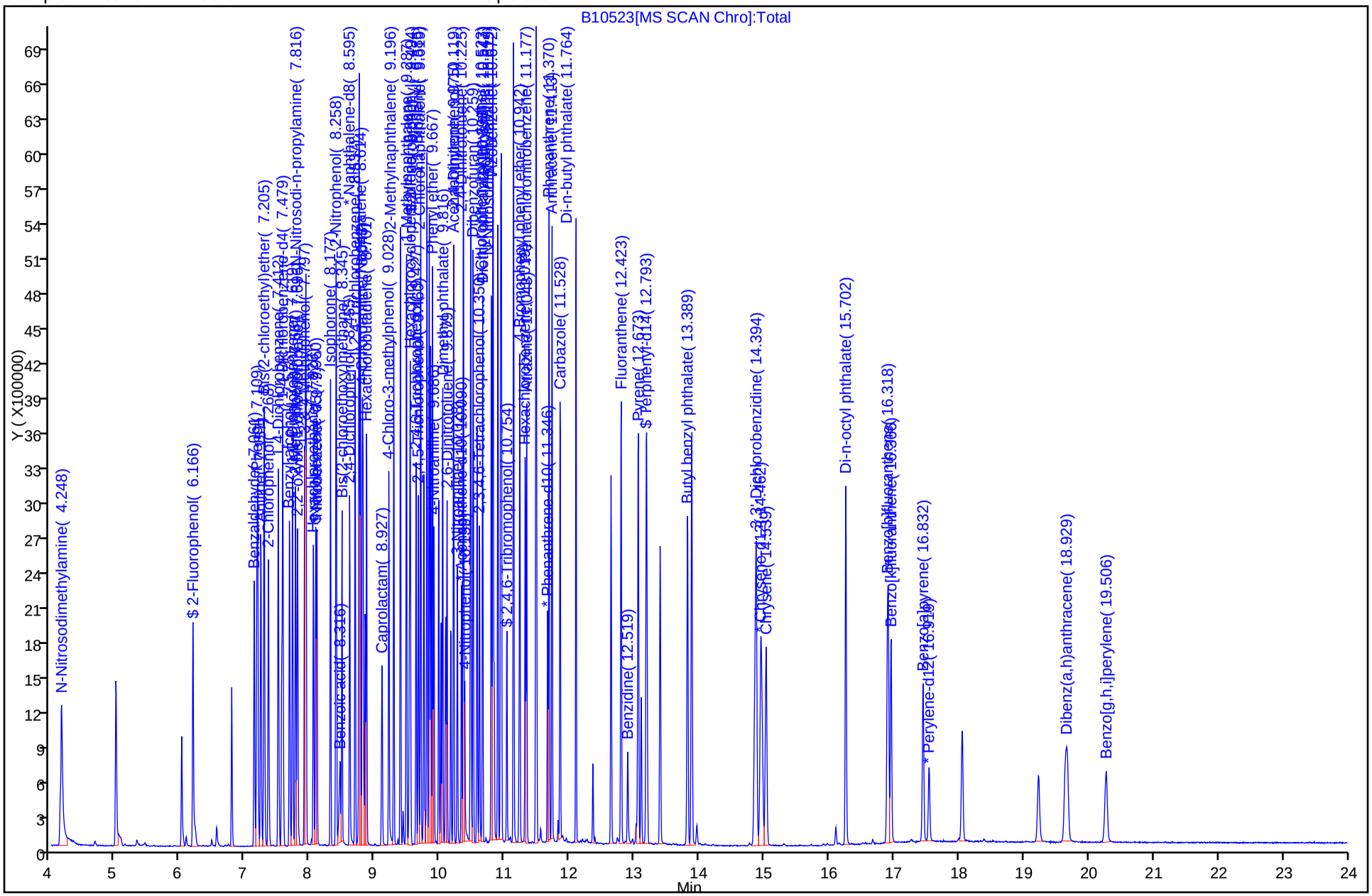
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.465	7.465	0.000	436165	2.00	
* 2 Naphthalene-d8	136	8.595	8.595	0.000	1093530	2.00	
* 3 Acenaphthene-d10	164	10.090	10.090	0.000	411129	2.00	
* 4 Phenanthrene-d10	188	11.346	11.346	0.000	669397	2.00	
* 5 Chrysene-d12	240	14.481	14.481	0.000	461348	2.00	
* 6 Perylene-d12	264	16.919	16.919	0.000	338613	2.00	
$ 7 2-Fluorophenol	112	6.166	6.166	0.000	559830	5.05	
$ 8 Phenol-d5	99	7.099	7.099	0.000	672611	4.52	
$ 9 Nitrobenzene-d5	82	7.960	7.960	0.000	672046	4.81	
$ 10 2-Fluorobiphenyl	172	9.494	9.494	0.000	1378952	5.21	
$ 11 2,4,6-Tribromophenol	330	10.754	10.754	0.000	116449	4.58	
$ 12 Terphenyl-d14	244	12.788	12.788	0.000	941862	4.87	
14 1,4-Dioxane	88	4.228	4.228	0.000	88		
15 N-Nitrosodimethylamine	42	4.233	4.233	0.000	387732	4.62	
16 Pyridine	79	4.248	4.248	0.000	474062	5.77	
17 Benzaldehyde	105	7.061	7.061	0.000	386371	4.66	
18 Phenol	94	7.114	7.114	0.000	695855	4.45	
19 Aniline	93	7.157	7.157	0.000	844921	4.69	
20 Bis(2-chloroethyl)ether	93	7.210	7.210	0.000	564305	4.52	
21 2-Chlorophenol	128	7.268	7.268	0.000	617602	4.65	
22 1,4-Dichlorobenzene	146	7.412	7.412	0.000	734595	4.50	
23 1,3-Dichlorobenzene	146	7.479	7.479	0.000	759869	4.47	
24 Benzyl alcohol	79	7.575	7.575	0.000	508178	5.75	
25 1,2-Dichlorobenzene	146	7.624	7.624	0.000	691104	5.83	
26 2-Methylphenol	108	7.667	7.667	0.000	541848	4.57	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.696	7.696	0.000	1010803	4.42	
28 3 & 4 Methylphenol	108	7.797	7.797	0.000	563843	4.53	
29 N-Nitrosodi-n-propylamine	70	7.811	7.811	0.000	424938	5.81	
30 Acetophenone	105	7.821	7.821	0.000	812158	4.54	
31 Hexachloroethane	117	7.926	7.926	0.000	266416	4.61	
32 Nitrobenzene	77	7.979	7.979	0.000	650967	5.04	
33 Isophorone	82	8.177	8.177	0.000	1100532	5.01	
34 2-Nitrophenol	139	8.253	8.253	0.000	331615	5.13	
35 2,4-Dimethylphenol	107	8.263	8.263	0.000	591375	4.91	
36 Benzoic acid	105	8.316	8.316	0.000	216490	4.51	
37 Bis(2-chloroethoxy)methane	93	8.345	8.345	0.000	627890	5.02	
38 2,4-Dichlorophenol	162	8.455	8.455	0.000	483140	4.88	
39 1,2,4-Trichlorobenzene	180	8.537	8.537	0.000	577446	5.14	
40 Alpha-Terpineol	59	8.595	8.595	0.000	567053	4.98	
41 Naphthalene	128	8.614	8.614	0.000	1820440	5.02	
42 4-Chloroaniline	127	8.643	8.643	0.000	736895	4.98	
43 Hexachlorobutadiene	225	8.705	8.705	0.000	297058	5.13	
44 Caprolactam	55	8.927	8.927	0.000	261401	5.53	
45 4-Chloro-3-methylphenol	107	9.028	9.028	0.000	506701	5.11	
46 2-Methylnaphthalene	142	9.196	9.196	0.000	1250872	5.04	
47 1-Methylnaphthalene	142	9.287	9.287	0.000	1207949	5.02	
48 Hexachlorocyclopentadiene	237	9.326	9.326	0.000	194978	4.41	
49 1,2,4,5-Tetrachlorobenzene	216	9.340	9.340	0.000	494000	5.12	
50 2,4,6-Trichlorophenol	196	9.427	9.427	0.000	329939	5.34	
51 2,4,5-Trichlorophenol	196	9.460	9.460	0.000	347424	5.00	
52 1,1'-Biphenyl	154	9.585	9.585	0.000	1443957	5.14	
53 2-Chloronaphthalene	162	9.619	9.619	0.000	1339803	4.97	
54 Phenyl ether	170	9.667	9.667	0.000	781360	5.11	
68 4-Nitroaniline	138	9.686	9.686	0.000	389042	4.86	
56 Dimethyl phthalate	163	9.816	9.816	0.000	1295553	5.19	
57 2,6-Dinitrotoluene	165	9.879	9.879	0.000	294986	5.25	
58 Acenaphthylene	152	9.975	9.975	0.000	1834907	5.36	
59 3-Nitroaniline	138	10.028	10.028	0.000	291387	5.06	
60 2,4-Dinitrophenol	184	10.114	10.114	0.000	91237	4.98	
61 Acenaphthene	153	10.119	10.119	0.000	1232360	5.22	
62 4-Nitrophenol	109	10.139	10.139	0.000	156317	4.53	
63 2,4-Dinitrotoluene	165	10.220	10.220	0.000	392159	4.71	
64 Dibenzofuran	168	10.259	10.259	0.000	1592433	5.14	
65 2,3,4,6-Tetrachlorophenol	232	10.355	10.355	0.000	247075	4.53	
66 Diethyl phthalate	149	10.398	10.398	0.000	1331835	5.10	
67 4-Chlorophenyl phenyl ether	204	10.528	10.528	0.000	598069	5.22	
55 2-Nitroaniline	65	10.547	10.547	0.000	313808	4.33	
69 Fluorene	166	10.552	10.552	0.000	1381754	5.28	
70 4,6-Dinitro-2-methylphenol	198	10.566	10.566	0.000	143863	5.01	
71 Diphenylamine	169	10.619	10.619	0.000	1129707	5.25	
72 N-Nitrosodiphenylamine	169	10.619	10.619	0.000	1129707	5.25	
73 1,2-Diphenylhydrazine	77	10.663	10.663	0.000	2191503	5.53	
74 Azobenzene	77	10.663	10.663	0.000	2191503	5.53	
13 Benzophenone	105	10.672	10.672	0.000	1292305	5.40	
75 4-Bromophenyl phenyl ether	248	10.942	10.942	0.000	310581	5.20	
76 Hexachlorobenzene	284	11.023	11.023	0.000	291665	5.10	
77 Atrazine	200	11.043	11.043	0.000	328593	5.37	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.177	11.177	0.000	135932	4.89	
79 Pentachloronitrobenzene	237	11.187	11.187	0.000	144403	4.73	
80 Phenanthrene	178	11.370	11.370	0.000	1748371	5.14	
81 Anthracene	178	11.413	11.413	0.000	1715325	5.37	
83 Carbazole	167	11.528	11.528	0.000	1363625	5.00	
84 Di-n-butyl phthalate	149	11.764	11.764	0.000	2162827	5.20	
87 Fluoranthene	202	12.423	12.423	0.000	1518307	5.15	
86 Benzidine	184	12.519	12.519	0.000	316523	5.87	
85 Pyrene	202	12.673	12.673	0.000	1588996	4.90	
89 Butyl benzyl phthalate	149	13.389	13.389	0.000	802495	5.41	
91 3,3'-Dichlorobenzidine	252	14.370	14.370	0.000	328604	4.95	
92 Bis(2-ethylhexyl) phthalate	149	14.394	14.394	0.000	1109926	5.38	
93 Benzo[a]anthracene	228	14.462	14.462	0.000	1070652	5.29	
94 Chrysene	228	14.539	14.539	0.000	991646	5.02	
95 Di-n-octyl phthalate	149	15.702	15.702	0.000	1689416	4.65	
97 Benzo[b]fluoranthene	252	16.323	16.323	0.000	950413	4.98	
98 Benzo[k]fluoranthene	252	16.366	16.366	0.000	909838	5.18	
99 Benzo[a]pyrene	252	16.832	16.832	0.000	750123	5.39	
100 Indeno[1,2,3-cd]pyrene	276	18.915	18.915	0.000	628430	5.10	
101 Dibenz(a,h)anthracene	278	18.939	18.939	0.000	494124	4.98	
102 Benzo[g,h,i]perylene	276	19.506	19.506	0.000	517384	5.13	

Report Date: 30-Sep-2009 13:28:05 Chrom Revision: 1.1 28-Sep-2009 07:28:04

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10523.D		
Inj Date:	24-Sep-2009 00:08:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	16
Client ID:		Instrument:	Inst. B
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	MZ



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCV 360-49444/16 Calibration Date: 09/24/2009 00:08

Instrument ID: Inst. B Calib Start Date: 09/23/2009 18:20

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/23/2009 22:32

Lab File ID: B10523.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.3851	0.3556		4620	5000	-7.7	30.0
Pyridine	Qua		0.4348		5770	5000	15.3	30.0
Benzaldehyde	Ave	0.3799	0.3543		4660	5000	-6.7	30.0
Phenol	Ave	0.7169	0.6382		4450	5000	-11.0	20.0
Aniline	Ave	0.8253	0.7749		4690	5000	-6.1	30.0
Bis(2-chloroethyl)ether	Ave	0.5718	0.5175		4520	5000	-9.5	30.0
2-Chlorophenol	Ave	0.6085	0.5664		4650	5000	-6.9	30.0
1,4-Dichlorobenzene	Ave	0.7493	0.6737		4500	5000	-10.1	20.0
1,3-Dichlorobenzene	Ave	0.7792	0.6969		4470	5000	-10.6	30.0
Benzyl alcohol	Qua		0.4660		5750	5000	14.9	30.0
1,2-Dichlorobenzene	Qua		0.6338		5830	5000	16.7	30.0
2-Methylphenol	Ave	0.5436	0.4969		4570	5000	-8.6	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.050	0.9270		4420	5000	-11.7	30.0
3 & 4 Methylphenol	Ave	0.5704	0.5171		4530	5000	-9.4	30.0
N-Nitrosodi-n-propylamine	Qua		0.3897	0.0500	5810	5000	16.2	30.0
Acetophenone	Ave	0.8206	0.7448		4540	5000	-9.2	30.0
Hexachloroethane	Ave	0.2652	0.2443		4610	5000	-7.9	30.0
Nitrobenzene	Qua		0.2381		5040	5000	0.9	30.0
Isophorone	Qua		0.4026		5010	5000	0.2	30.0
2-Nitrophenol	Ave	0.1182	0.1213		5130	5000	2.6	20.0
2,4-Dimethylphenol	Qua		0.2163		4910	5000	-1.9	30.0
Benzoic acid	Qua		0.0792		4510	5000	-9.9	30.0
Bis(2-chloroethoxy)methane	Qua		0.2297		5020	5000	0.4	30.0
2,4-Dichlorophenol	Qua		0.1767		4880	5000	-2.4	20.0
1,2,4-Trichlorobenzene	Qua		0.2112		5140	5000	2.8	30.0
Alpha-Terpineol	Qua		0.2074		4980	5000	-0.3	30.0
Naphthalene	Qua		0.6659		5020	5000	0.4	30.0
4-Chloroaniline	Qua		0.2696		4980	5000	-0.3	30.0
Hexachlorobutadiene	Qua		0.1087		5130	5000	2.6	20.0
Caprolactam	Ave	0.0864	0.0956		5530	5000	10.7	30.0
4-Chloro-3-methylphenol	Ave	0.1814	0.1854		5110	5000	2.2	20.0
2-Methylnaphthalene	Qua		0.4576		5040	5000	0.8	30.0
1-Methylnaphthalene	Qua		0.4419		5020	5000	0.4	30.0
Hexachlorocyclopentadiene	Lin		0.1897	0.0500	4410	5000	-11.7	30.0
1,2,4,5-Tetrachlorobenzene	Qua		0.1807		5120	5000	2.4	30.0
2,4,6-Trichlorophenol	Ave	0.3004	0.3210		5340	5000	6.9	20.0
2,4,5-Trichlorophenol	Lin2		0.3380		5000	5000	0.1	30.0
1,1'-Biphenyl	Ave	1.367	1.405		5140	5000	2.8	30.0
2-Chloronaphthalene	Ave	1.311	1.304		4970	5000	-0.6	30.0
Phenyl ether	Qua		0.2858		5110	5000	2.1	30.0
4-Nitroaniline	Lin1		0.3785		4860	5000	-2.8	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCV 360-49444/16 Calibration Date: 09/24/2009 00:08

Instrument ID: Inst. B Calib Start Date: 09/23/2009 18:20

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/23/2009 22:32

Lab File ID: B10523.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.213	1.260		5190	5000	3.9	30.0
2,6-Dinitrotoluene	Ave	0.2733	0.2870		5250	5000	5.0	30.0
Acenaphthylene	Ave	1.666	1.785		5360	5000	7.1	30.0
3-Nitroaniline	Lin2		0.2835		5060	5000	1.2	30.0
2,4-Dinitrophenol	Qua		0.0888	0.0500	4980	5000	-0.4	30.0
Acenaphthene	Ave	1.148	1.199		5220	5000	4.4	20.0
4-Nitrophenol	Lin2		0.1521	0.0500	4530	5000	-9.5	30.0
2,4-Dinitrotoluene	Lin1		0.3815		4710	5000	-5.9	30.0
Dibenzofuran	Ave	1.508	1.549		5140	5000	2.7	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2404		4530	5000	-9.5	30.0
Diethyl phthalate	Ave	1.269	1.296		5100	5000	2.1	30.0
4-Chlorophenyl phenyl ether	Ave	0.5578	0.5819		5220	5000	4.3	30.0
2-Nitroaniline	Lin1		0.3053		4330	5000	-13.5	30.0
Fluorene	Ave	1.273	1.344		5280	5000	5.6	30.0
4,6-Dinitro-2-methylphenol	Qua		0.0860		5010	5000	0.3	30.0
Diphenylamine	Ave	0.6434	0.6751		5250	5000	4.9	30.0
N-Nitrosodiphenylamine	Ave	0.6434	0.6751		5250	5000	4.9	20.0
1,2-Diphenylhydrazine	Ave	1.183	1.310		5530	5000	10.7	30.0
Azobenzene	Ave	1.183	1.310		5530	5000	10.7	30.0
Benzophenone	Ave	0.7148	0.7722		5400	5000	8.0	30.0
4-Bromophenyl phenyl ether	Ave	0.1783	0.1856		5200	5000	4.1	30.0
Hexachlorobenzene	Ave	0.1708	0.1743		5100	5000	2.1	30.0
Atrazine	Ave	0.1828	0.1964		5370	5000	7.4	30.0
Pentachlorophenol	Qua		0.0812		4890	5000	-2.2	20.0
Pentachloronitrobenzene	Lin1		0.0863		4730	5000	-5.4	30.0
Phenanthrene	Ave	1.016	1.045		5140	5000	2.9	30.0
Anthracene	Ave	0.9543	1.025		5370	5000	7.4	30.0
Carbazole	Ave	0.8144	0.8148		5000	5000	0.0	30.0
Di-n-butyl phthalate	Ave	1.242	1.292		5200	5000	4.0	30.0
Fluoranthene	Ave	0.8816	0.9073		5150	5000	2.9	20.0
Benzidine	Qua		0.1891		5870	5000	17.5	30.0
Pyrene	Ave	1.407	1.378		4900	5000	-2.1	30.0
Butyl benzyl phthalate	Ave	0.6425	0.6958		5410	5000	8.3	30.0
3,3'-Dichlorobenzidine	Lin1		0.2849		4950	5000	-0.9	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.8947	0.9623		5380	5000	7.6	30.0
Benzo[a]anthracene	Ave	0.8775	0.9283		5290	5000	5.8	30.0
Chrysene	Ave	0.8568	0.8598		5020	5000	0.3	30.0
Di-n-octyl phthalate	Lin1		1.996		4650	5000	-7.1	20.0
Benzo[b]fluoranthene	Ave	1.128	1.123		4980	5000	-0.5	30.0
Benzo[k]fluoranthene	Ave	1.038	1.075		5180	5000	3.6	30.0
Benzo[a]pyrene	Ave	0.8216	0.8861		5390	5000	7.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCV 360-49444/16 Calibration Date: 09/24/2009 00:08

Instrument ID: Inst. B Calib Start Date: 09/23/2009 18:20

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/23/2009 22:32

Lab File ID: B10523.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Indeno[1,2,3-cd]pyrene	Lin1		0.7424		5100	5000	2.0	30.0
Dibenz(a,h)anthracene	Lin1		0.5837		4980	5000	-0.3	30.0
Benzo[g,h,i]perylene	Ave	0.5952	0.6112		5130	5000	2.7	30.0
2-Fluorophenol	Ave	0.5080	0.5134		5050	5000	1.1	30.0
Phenol-d5	Ave	0.6822	0.6168		4520	5000	-9.6	30.0
Nitrobenzene-d5	Ave	0.2553	0.2458		4810	5000	-3.7	30.0
2-Fluorobiphenyl	Ave	1.288	1.342		5210	5000	4.1	30.0
2,4,6-Tribromophenol	Lin1		0.0696		4580	5000	-8.3	30.0
Terphenyl-d14	Ave	0.8384	0.8166		4870	5000	-2.6	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10523.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	24-Sep-2009 00:08:30	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:	49444	Lims Sample ID:	16
Sublist:	chrom-8270B*sub15		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	30-Sep-2009 13:28:04	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	CORPWALTERS		
Reviewed By:	sullivanp	Date:	25-Sep-2009 10:44:39
Reviewed By:	sullivanp	Date:	25-Sep-2009 11:50:12
Reviewed By:	waltersg	Date:	30-Sep-2009 13:28:04

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.465	7.465	0.000	436165	2.00	
* 2 Naphthalene-d8	136	8.595	8.595	0.000	1093530	2.00	
* 3 Acenaphthene-d10	164	10.090	10.090	0.000	411129	2.00	
* 4 Phenanthrene-d10	188	11.346	11.346	0.000	669397	2.00	
* 5 Chrysene-d12	240	14.481	14.481	0.000	461348	2.00	
* 6 Perylene-d12	264	16.919	16.919	0.000	338613	2.00	
$ 7 2-Fluorophenol	112	6.166	6.166	0.000	559830	5.05	
$ 8 Phenol-d5	99	7.099	7.099	0.000	672611	4.52	
$ 9 Nitrobenzene-d5	82	7.960	7.960	0.000	672046	4.81	
$ 10 2-Fluorobiphenyl	172	9.494	9.494	0.000	1378952	5.21	
$ 11 2,4,6-Tribromophenol	330	10.754	10.754	0.000	116449	4.58	
$ 12 Terphenyl-d14	244	12.788	12.788	0.000	941862	4.87	
14 1,4-Dioxane	88	4.228	4.228	0.000	88		
15 N-Nitrosodimethylamine	42	4.233	4.233	0.000	387732	4.62	
16 Pyridine	79	4.248	4.248	0.000	474062	5.77	
17 Benzaldehyde	105	7.061	7.061	0.000	386371	4.66	
18 Phenol	94	7.114	7.114	0.000	695855	4.45	
19 Aniline	93	7.157	7.157	0.000	844921	4.69	
20 Bis(2-chloroethyl)ether	93	7.210	7.210	0.000	564305	4.52	
21 2-Chlorophenol	128	7.268	7.268	0.000	617602	4.65	
22 1,4-Dichlorobenzene	146	7.412	7.412	0.000	734595	4.50	
23 1,3-Dichlorobenzene	146	7.479	7.479	0.000	759869	4.47	
24 Benzyl alcohol	79	7.575	7.575	0.000	508178	5.75	
25 1,2-Dichlorobenzene	146	7.624	7.624	0.000	691104	5.83	
26 2-Methylphenol	108	7.667	7.667	0.000	541848	4.57	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
27 2,2'-oxybis[1-chloropropane]	45	7.696	7.696	0.000	1010803	4.42	
28 3 & 4 Methylphenol	108	7.797	7.797	0.000	563843	4.53	
29 N-Nitrosodi-n-propylamine	70	7.811	7.811	0.000	424938	5.81	
30 Acetophenone	105	7.821	7.821	0.000	812158	4.54	
31 Hexachloroethane	117	7.926	7.926	0.000	266416	4.61	
32 Nitrobenzene	77	7.979	7.979	0.000	650967	5.04	
33 Isophorone	82	8.177	8.177	0.000	1100532	5.01	
34 2-Nitrophenol	139	8.253	8.253	0.000	331615	5.13	
35 2,4-Dimethylphenol	107	8.263	8.263	0.000	591375	4.91	
36 Benzoic acid	105	8.316	8.316	0.000	216490	4.51	
37 Bis(2-chloroethoxy)methane	93	8.345	8.345	0.000	627890	5.02	
38 2,4-Dichlorophenol	162	8.455	8.455	0.000	483140	4.88	
39 1,2,4-Trichlorobenzene	180	8.537	8.537	0.000	577446	5.14	
40 Alpha-Terpineol	59	8.595	8.595	0.000	567053	4.98	
41 Naphthalene	128	8.614	8.614	0.000	1820440	5.02	
42 4-Chloroaniline	127	8.643	8.643	0.000	736895	4.98	
43 Hexachlorobutadiene	225	8.705	8.705	0.000	297058	5.13	
44 Caprolactam	55	8.927	8.927	0.000	261401	5.53	
45 4-Chloro-3-methylphenol	107	9.028	9.028	0.000	506701	5.11	
46 2-Methylnaphthalene	142	9.196	9.196	0.000	1250872	5.04	
47 1-Methylnaphthalene	142	9.287	9.287	0.000	1207949	5.02	
48 Hexachlorocyclopentadiene	237	9.326	9.326	0.000	194978	4.41	
49 1,2,4,5-Tetrachlorobenzene	216	9.340	9.340	0.000	494000	5.12	
50 2,4,6-Trichlorophenol	196	9.427	9.427	0.000	329939	5.34	
51 2,4,5-Trichlorophenol	196	9.460	9.460	0.000	347424	5.00	
52 1,1'-Biphenyl	154	9.585	9.585	0.000	1443957	5.14	
53 2-Chloronaphthalene	162	9.619	9.619	0.000	1339803	4.97	
54 Phenyl ether	170	9.667	9.667	0.000	781360	5.11	
68 4-Nitroaniline	138	9.686	9.686	0.000	389042	4.86	
56 Dimethyl phthalate	163	9.816	9.816	0.000	1295553	5.19	
57 2,6-Dinitrotoluene	165	9.879	9.879	0.000	294986	5.25	
58 Acenaphthylene	152	9.975	9.975	0.000	1834907	5.36	
59 3-Nitroaniline	138	10.028	10.028	0.000	291387	5.06	
60 2,4-Dinitrophenol	184	10.114	10.114	0.000	91237	4.98	
61 Acenaphthene	153	10.119	10.119	0.000	1232360	5.22	
62 4-Nitrophenol	109	10.139	10.139	0.000	156317	4.53	
63 2,4-Dinitrotoluene	165	10.220	10.220	0.000	392159	4.71	
64 Dibenzofuran	168	10.259	10.259	0.000	1592433	5.14	
65 2,3,4,6-Tetrachlorophenol	232	10.355	10.355	0.000	247075	4.53	
66 Diethyl phthalate	149	10.398	10.398	0.000	1331835	5.10	
67 4-Chlorophenyl phenyl ether	204	10.528	10.528	0.000	598069	5.22	
55 2-Nitroaniline	65	10.547	10.547	0.000	313808	4.33	
69 Fluorene	166	10.552	10.552	0.000	1381754	5.28	
70 4,6-Dinitro-2-methylphenol	198	10.566	10.566	0.000	143863	5.01	
71 Diphenylamine	169	10.619	10.619	0.000	1129707	5.25	
72 N-Nitrosodiphenylamine	169	10.619	10.619	0.000	1129707	5.25	
73 1,2-Diphenylhydrazine	77	10.663	10.663	0.000	2191503	5.53	
74 Azobenzene	77	10.663	10.663	0.000	2191503	5.53	
13 Benzophenone	105	10.672	10.672	0.000	1292305	5.40	
75 4-Bromophenyl phenyl ether	248	10.942	10.942	0.000	310581	5.20	
76 Hexachlorobenzene	284	11.023	11.023	0.000	291665	5.10	
77 Atrazine	200	11.043	11.043	0.000	328593	5.37	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.177	11.177	0.000	135932	4.89	
79 Pentachloronitrobenzene	237	11.187	11.187	0.000	144403	4.73	
80 Phenanthrene	178	11.370	11.370	0.000	1748371	5.14	
81 Anthracene	178	11.413	11.413	0.000	1715325	5.37	
83 Carbazole	167	11.528	11.528	0.000	1363625	5.00	
84 Di-n-butyl phthalate	149	11.764	11.764	0.000	2162827	5.20	
87 Fluoranthene	202	12.423	12.423	0.000	1518307	5.15	
86 Benzidine	184	12.519	12.519	0.000	316523	5.87	
85 Pyrene	202	12.673	12.673	0.000	1588996	4.90	
89 Butyl benzyl phthalate	149	13.389	13.389	0.000	802495	5.41	
91 3,3'-Dichlorobenzidine	252	14.370	14.370	0.000	328604	4.95	
92 Bis(2-ethylhexyl) phthalate	149	14.394	14.394	0.000	1109926	5.38	
93 Benzo[a]anthracene	228	14.462	14.462	0.000	1070652	5.29	
94 Chrysene	228	14.539	14.539	0.000	991646	5.02	
95 Di-n-octyl phthalate	149	15.702	15.702	0.000	1689416	4.65	
97 Benzo[b]fluoranthene	252	16.323	16.323	0.000	950413	4.98	
98 Benzo[k]fluoranthene	252	16.366	16.366	0.000	909838	5.18	
99 Benzo[a]pyrene	252	16.832	16.832	0.000	750123	5.39	
100 Indeno[1,2,3-cd]pyrene	276	18.915	18.915	0.000	628430	5.10	
101 Dibenz(a,h)anthracene	278	18.939	18.939	0.000	494124	4.98	
102 Benzo[g,h,i]perylene	276	19.506	19.506	0.000	517384	5.13	

Report Date: 30-Sep-2009 13:28:05 Chrom Revision: 1.1 28-Sep-2009 07:28:04

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10523.D

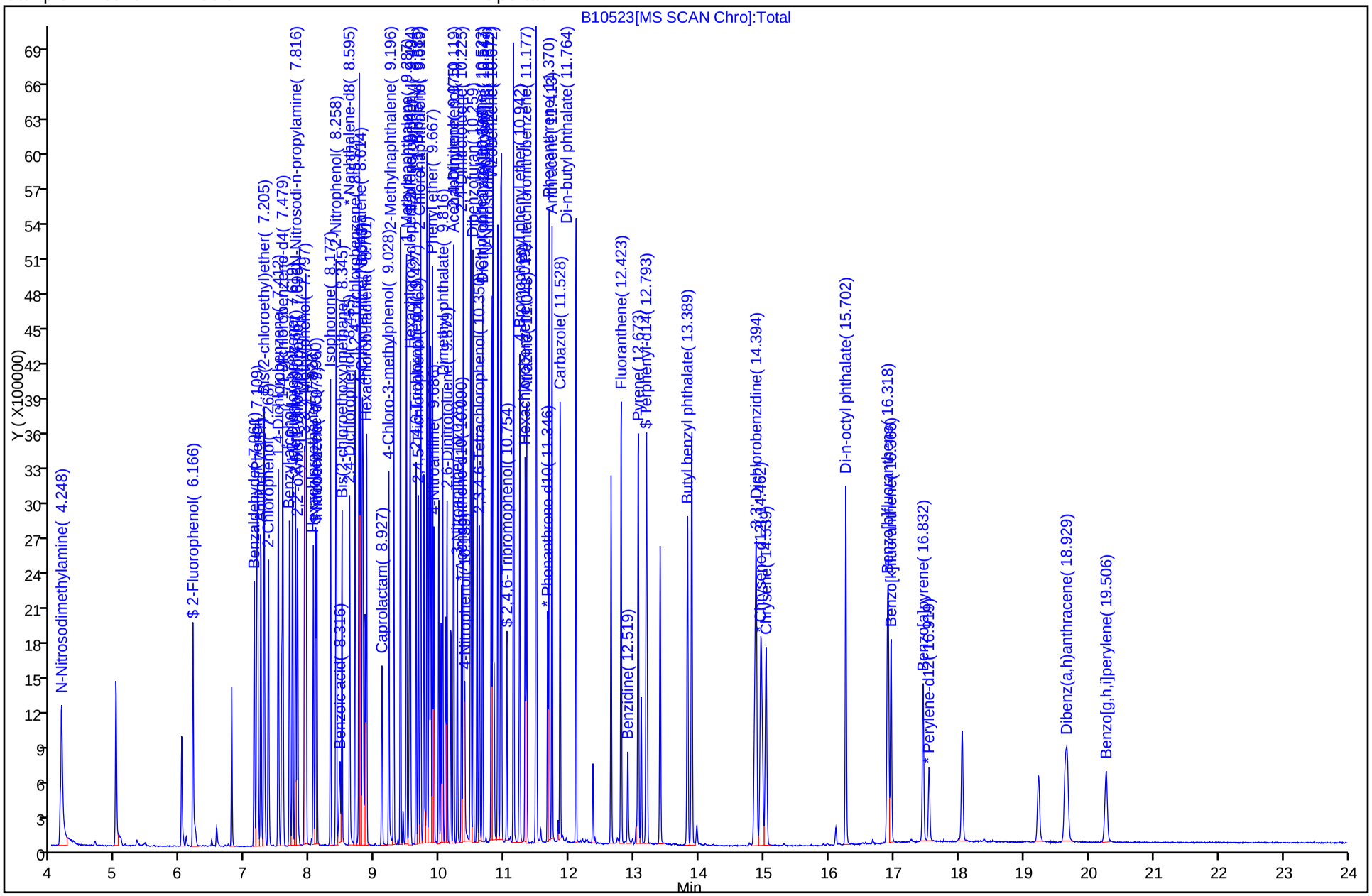
Inj Date: 24-Sep-2009 00:08:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49444 Lims Sample ID: 16

Client ID: Instrument: Inst. B

Sample Info: CCV

Sample Amount: 1.00 ul Operator: MZ



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCV 360-48876/2 Calibration Date: 09/12/2009 11:16

Instrument ID: Inst. J Calib Start Date: 09/10/2009 16:55

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/10/2009 20:55

Lab File ID: J02916.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.2687	0.2723		5070	5000	1.4	30.0
N-Nitrosodiphenylamine	Ave	0.0257	0.0277		5380	5000	7.6	20.0
2-Fluorophenol	Ave	0.6496	0.6166		4750	5000	-5.1	30.0
Phenol-d5	Ave	0.7919	0.7455		4710	5000	-5.9	30.0
Nitrobenzene-d5	Ave	0.3016	0.3289		5450	5000	9.1	30.0
2-Fluorobiphenyl	Ave	1.309	1.246		4760	5000	-4.8	30.0
2,4,6-Tribromophenol	Lin1		0.0806		5350	5000	6.9	30.0
Terphenyl-d14	Lin2		0.9821		5560	5000	11.2	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02916.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	12-Sep-2009 11:16:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCV		
Misc. Info.:	360-0001151-002		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	48876	Lims Sample ID:	2
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\8270NDMA.m		
Last Update:	12-Sep-2009 11:38:32	Calib Date:	10-Sep-2009 20:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02891.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	12-Sep-2009 11:38:32

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.009	5.009	0.000	219125	2.00	
* 2 Naphthalene-d8	136	6.230	6.230	0.000	454555	2.00	
* 3 Acenaphthene-d10	164	7.957	7.957	0.000	230681	2.00	
* 4 Phenanthrene-d10	188	9.423	9.423	0.000	375463	2.00	
* 5 Chrysene-d12	240	12.054	12.054	0.000	224762	2.00	
* 6 Perylene-d12	264	13.491	13.491	0.000	118939	2.00	
$ 7 2-Fluorophenol	112	3.773	3.773	0.000	337765	4.75	
$ 8 Phenol-d5	99	4.663	4.663	0.000	408370	4.71	
$ 9 Nitrobenzene-d5	82	5.538	5.538	0.000	373803	5.45	M
$ 10 2-Fluorobiphenyl	172	7.293	7.293	0.000	718587	4.76	
$ 11 2,4,6-Tribromophenol	330	8.736	8.736	0.000	75683	5.35	
$ 12 Terphenyl-d14	244	11.001	11.001	0.000	551839	5.56	
15 N-Nitrosodimethylamine	42	2.388	2.388	0.000	149167	5.07	
16 Pyridine	79	3.677	3.677	0.000	1119		
24 Benzyl alcohol	79	5.393	5.393	0.000	111492		
26 2-Methylphenol	108	5.393	5.393	0.000	324433	4.70	
17 Benzaldehyde	94	5.557	5.557	0.000	4060		
30 Acetophenone	105	5.720	5.720	0.000	133		
20 Bis(2-chloroethyl)ether	93	5.836	5.836	0.000	63		
21 2-Chlorophenol	128	6.096	6.096	0.000	12051		
27 2,2'-oxybis[1-chloropropane]	45	6.076	6.076	0.000	66		
31 Hexachloroethane	117	6.100	6.100	0.000	291		
32 Nitrobenzene	77	6.177	6.177	0.000	940		
22 1,4-Dichlorobenzene	146	6.177	6.177	0.000	13598		
23 1,3-Dichlorobenzene	146	6.177	6.177	0.000	13598		
35 2,4-Dimethylphenol	107	6.177	6.177	0.000	6257		
37 Bis(2-chloroethoxy)methane	93	6.264	6.264	0.000	168679		
36 Benzoic acid	105	6.264	6.264	0.000	12463		
18 Phenol	94	6.264	6.264	0.000	24193		
29 N-Nitrosodi-n-propylamine	70	6.264	6.264	0.000	1525		

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	6.317	6.317	0.000	1910		
40 Alpha-Terpineol	59	6.374	6.374	0.000	6342		
39 1,2,4-Trichlorobenzene	180	6.374	6.374	0.000	225		
19 Aniline	93	6.365	6.365	0.000	133		
38 2,4-Dichlorophenol	162	6.524	6.524	0.000	40		
25 1,2-Dichlorobenzene	146	6.788	6.788	0.000	443		
45 4-Chloro-3-methylphenol	107	6.990	6.990	0.000	3398		
48 Hexachlorocyclopentadiene	237	7.086	7.086	0.000	41247		
46 2-Methylnaphthalene	142	7.221	7.221	0.000	40		
50 2,4,6-Trichlorophenol	196	7.245	7.245	0.000	175723		
51 2,4,5-Trichlorophenol	196	7.245	7.245	0.000	175723		
44 Caprolactam	55	7.298	7.298	0.000	1238	1.15	
49 1,2,4,5-Tetrachlorobenzene	216	7.375	7.375	0.000	196	4.83	
53 2-Chloronaphthalene	162	7.432	7.432	0.000	601571	10.4	
55 2-Nitroaniline	65	7.514	7.514	0.000	196433	9.50	
47 1-Methylnaphthalene	142	7.610	7.610	0.000	46	2.83	
56 Dimethyl phthalate	163	7.692	7.692	0.000	724207	5.05	
57 2,6-Dinitrotoluene	165	7.755	7.755	0.000	173860	5.33	
54 Phenyl ether	170	7.807	7.807	0.000	922	5.24	
52 1,1'-Biphenyl	154	7.817	7.817	0.000	8191	4.97	
58 Acenaphthylene	152	7.817	7.817	0.000	986340	5.21	
59 3-Nitroaniline	138	7.918	7.918	0.000	169355	5.35	
33 Isophorone	82	7.908	7.908	0.000	407	0.0305	
34 2-Nitrophenol	139	7.961	7.961	0.000	91	0.0452	
61 Acenaphthene	153	7.990	7.990	0.000	631369	4.88	
62 4-Nitrophenol	109	8.086	8.086	0.000	62056	4.75	
63 2,4-Dinitrotoluene	165	8.154	8.154	0.000	206973	5.16	
64 Dibenzofuran	168	8.240	8.240	0.000	32901	0.1830	
66 Diethyl phthalate	149	8.389	8.389	0.000	734034	5.03	
67 4-Chlorophenyl phenyl ether	204	8.500	8.500	0.000	316509	4.77	
69 Fluorene	166	8.495	8.495	0.000	701165	4.98	
68 4-Nitroaniline	138	8.519	8.519	0.000	146117	4.56	
13 Benzophenone	105	8.519	8.519	0.000	2055	2.95	
70 4,6-Dinitro-2-methylphenol	198	8.558	8.558	0.000	40882	4.19	
65 2,3,4,6-Tetrachlorophenol	232	8.649	8.649	0.000	94	2.35	
74 Azobenzene	77	8.654	8.654	0.000	1216333	5.60	
60 2,4-Dinitrophenol	184	8.668	8.668	0.000	5944	9.74	
71 Diphenylamine	169	8.736	8.736	0.000	3680	5.42	
75 4-Bromophenyl phenyl ether	248	9.043	9.043	0.000	3161	0.0892	
72 N-Nitrosodiphenylamine	169	8.981	8.981	0.000	25967	5.38	
76 Hexachlorobenzene	284	9.048	9.048	0.000	178578	4.93	
77 Atrazine	200	9.164	9.164	0.000	223	0.0128	
79 Pentachloronitrobenzene	237	9.255	9.255	0.000	79826	5.39	
73 1,2-Diphenylhydrazine	77	9.245	9.245	0.000	564	4.58	
80 Phenanthrene	178	9.447	9.447	0.000	939084		
81 Anthracene	178	9.447	9.447	0.000	939084		
83 Carbazole	167	9.659	9.659	0.000	755835		
84 Di-n-butyl phthalate	149	10.005	10.005	0.000	1185865		
85 Pyrene	202	10.625	10.625	0.000	866735		
86 Benzidine	184	10.625	10.625	0.000	94		
87 Fluoranthene	202	10.746	10.746	0.000	157		
88 4,4'-DDD	235	11.284	11.286	-0.002	2120		

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
89 Butyl benzyl phthalate	149	11.486	11.486	0.000	468663		
93 Benzo[a]anthracene	228	12.044	12.044	0.000	546640		
94 Chrysene	228	12.044	12.044	0.000	542430		
92 Bis(2-ethylhexyl) phthalate	149	12.073	12.073	0.000	684360		
95 Di-n-octyl phthalate	149	12.607	12.607	0.000	325		
98 Benzo[k]fluoranthene	252	13.439	13.439	0.000	260551		
97 Benzo[b]fluoranthene	252	13.439	13.439	0.000	260551		
99 Benzo[a]pyrene	252	14.266	14.266	0.000	137		

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 12-Sep-2009 11:38:34 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02916.D

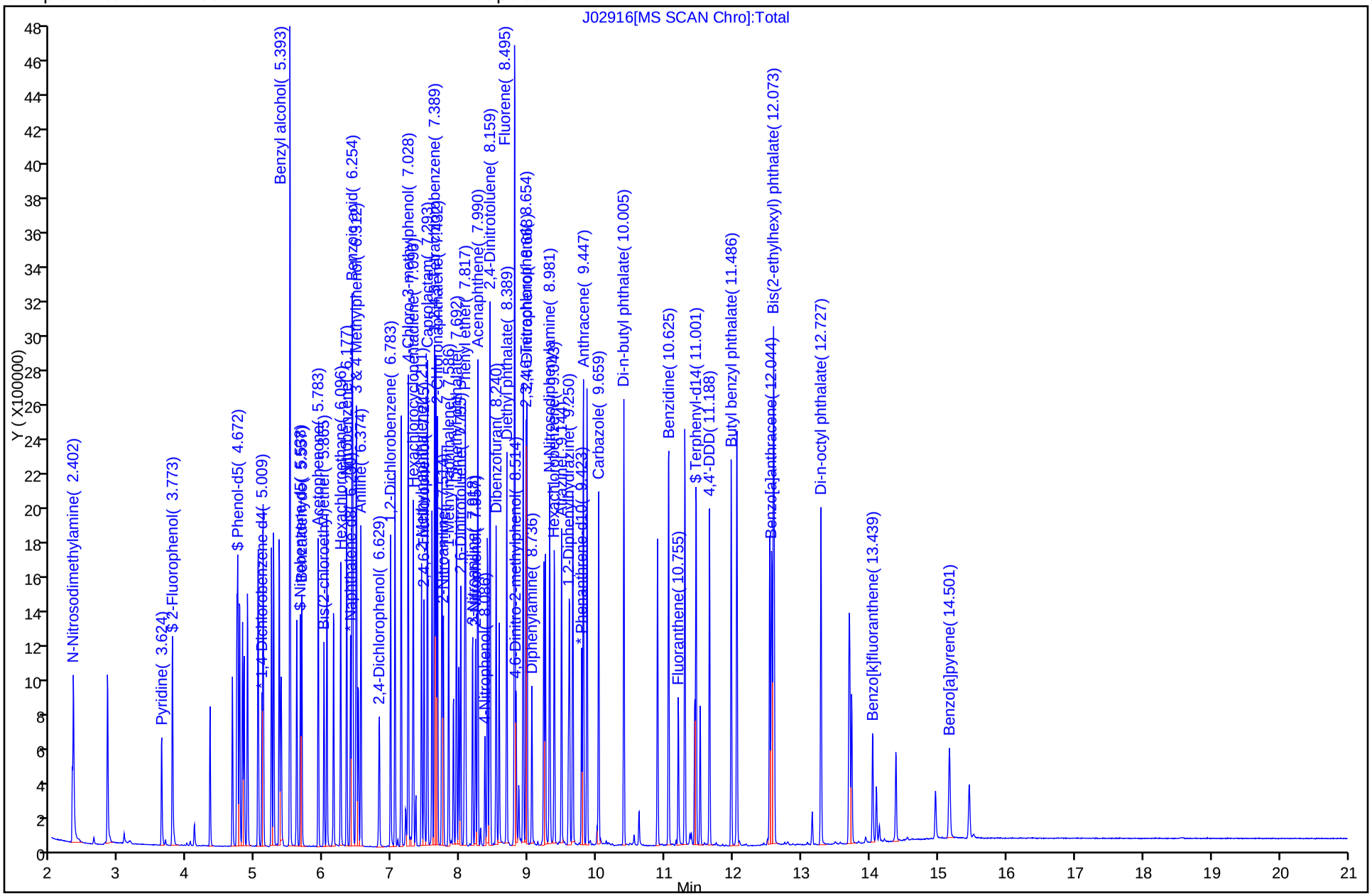
Inj Date: 12-Sep-2009 11:16:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48876 Lims Sample ID: 2

Client ID: Instrument: Inst. J

Sample Info: CCV

Sample Amount: 1.00 uL Operator:



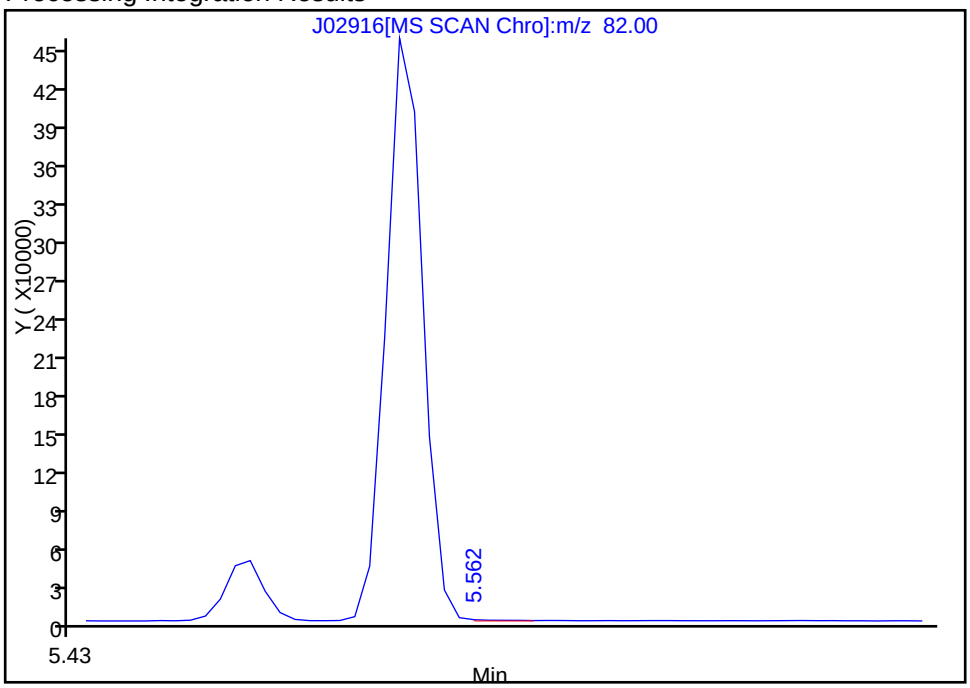
Chrom Revision: 1.0.2009.910
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02916.D		
Inj Date:	12-Sep-2009 11:16:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48876	Lims Sample ID:	2
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 uL	Operator:	

$ 9 Nitrobenzene-d5, Number: 1, m/z: 82 Type: quant, RT: 5.54

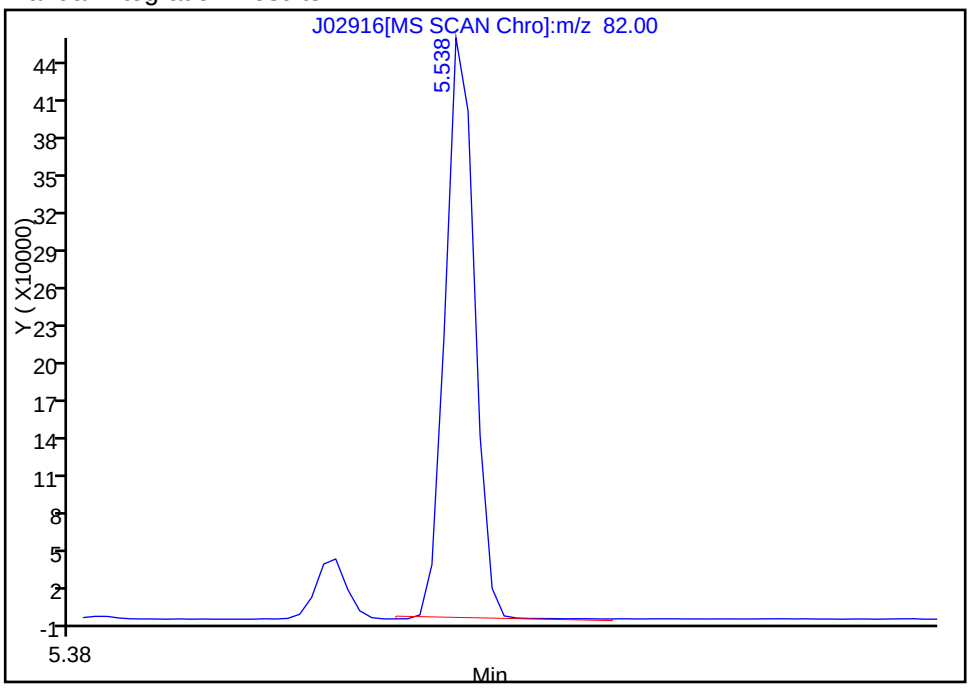
Processing Integration Results

RT: 5.56
Response: 823
Amount: 0.012008



Manual Integration Results

RT: 5.54
Response: 373803
Amount: 5.454129



Reviewer: rachtank, 12-Sep-2009 11:38:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCV 360-49260/16 Calibration Date: 09/21/2009 21:41

Instrument ID: Inst. J Calib Start Date: 09/21/2009 15:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/21/2009 18:59

Lab File ID: J03054.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin1		0.2275		4630	5000	-7.5	30.0
Pyridine	Lin		0.5379		4630	5000	-7.4	30.0
N-Nitrosodimethylamine	Ave	0.3161	0.3117		4930	5000	-1.4	30.0
Aniline	Ave	0.9192	0.8894		4840	5000	-3.2	30.0
Phenol	Ave	0.8029	0.7722		4810	5000	-3.8	20.0
2-Chlorophenol	Ave	0.6539	0.6097		4660	5000	-6.8	30.0
Bis(2-chloroethyl)ether	Ave	0.6668	0.6020		4510	5000	-9.7	30.0
1,4-Dichlorobenzene	Ave	0.7671	0.6821		4450	5000	-11.1	20.0
1,3-Dichlorobenzene	Ave	0.8006	0.7037		4390	5000	-12.1	30.0
1,2-Dichlorobenzene	Ave	0.7563	0.6370		4210	5000	-15.8	30.0
Benzyl alcohol	Lin		0.5052		4490	5000	-10.2	30.0
2-Methylphenol	Ave	0.5641	0.5434		4820	5000	-3.7	30.0
2,2'-oxybis[1-chloropropane]	Ave	0.6916	0.6143		4440	5000	-11.2	30.0
Acetophenone	Ave	0.8325	0.8183		4910	5000	-1.7	30.0
Benzaldehyde	Ave	0.8325	0.8183		4910	5000	-1.7	30.0
N-Nitrosodi-n-propylamine	Ave	0.4454	0.4370	0.0500	4910	5000	-1.9	30.0
3 & 4 Methylphenol	Ave	0.5843	0.5739		4910	5000	-1.8	30.0
Hexachloroethane	Ave	0.2973	0.2711		4560	5000	-8.8	30.0
Nitrobenzene	Ave	0.3130	0.3317		5300	5000	6.0	30.0
Isophorone	Lin1		0.5665		4940	5000	-1.1	30.0
2-Nitrophenol	Lin1		0.1484		4900	5000	-2.1	20.0
2,4-Dimethylphenol	Ave	0.2828	0.3026		5350	5000	7.0	30.0
Benzoic acid	Qua		0.0559		4530	5000	-9.3	30.0
Bis(2-chloroethoxy)methane	Ave	0.3208	0.3315		5170	5000	3.3	30.0
2,4-Dichlorophenol	Lin1		0.2154		4910	5000	-1.9	20.0
1,2,4-Trichlorobenzene	Ave	0.2625	0.2535		4830	5000	-3.4	30.0
Naphthalene	Ave	0.9031	0.8747		4840	5000	-3.1	30.0
Alpha-Terpineol	Lin2		0.2065		5100	5000	2.1	30.0
4-Chloroaniline	Ave	0.3182	0.3472		5460	5000	9.1	30.0
Hexachlorobutadiene	Ave	0.1439	0.1363		4730	5000	-5.3	20.0
Caprolactam	Lin1		0.0886		4920	5000	-1.6	30.0
4-Chloro-3-methylphenol	Lin1		0.2535		4890	5000	-2.2	20.0
2-Methylnaphthalene	Ave	0.5704	0.5632		4940	5000	-1.3	30.0
1-Methylnaphthalene	Ave	0.5583	0.5560		4980	5000	-0.4	30.0
Hexachlorocyclopentadiene	Lin1		0.2135	0.0500	4880	5000	-2.3	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2182	0.2112		4840	5000	-3.2	30.0
2,4,6-Trichlorophenol	Lin1		0.2887		4900	5000	-2.0	20.0
2,4,5-Trichlorophenol	Lin1		0.2933		4790	5000	-4.1	30.0
1,1'-Biphenyl	Ave	1.335	1.294		4850	5000	-3.1	30.0
2-Chloronaphthalene	Ave	1.389	1.286		4630	5000	-7.4	30.0
Phenyl ether	Ave	0.3526	0.3402		4820	5000	-3.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCV 360-49260/16 Calibration Date: 09/21/2009 21:41

Instrument ID: Inst. J Calib Start Date: 09/21/2009 15:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/21/2009 18:59

Lab File ID: J03054.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Lin1		0.3546		5010	5000	0.1	30.0
Dimethyl phthalate	Ave	1.193	1.221		5120	5000	2.4	30.0
2,4-Dinitrotoluene	Lin1		0.2809		5080	5000	1.6	30.0
Acenaphthylene	Ave	1.595	1.678		5260	5000	5.2	30.0
Acenaphthene	Ave	1.091	1.057		4840	5000	-3.2	20.0
2,4-Dinitrophenol	Qua		0.0625	0.0500	5190	5000	3.7	30.0
4-Nitrophenol	Lin2		0.1680	0.0500	5320	5000	6.5	30.0
Dibenzofuran	Ave	1.470	1.456		4960	5000	-0.9	30.0
2,6-Dinitrotoluene	Lin1		0.3551		5130	5000	2.6	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2320		4970	5000	-0.5	30.0
Diethyl phthalate	Ave	1.209	1.257		5190	5000	3.9	30.0
Fluorene	Ave	1.141	1.165		5100	5000	2.1	30.0
4-Chlorophenyl phenyl ether	Ave	0.5501	0.5353		4870	5000	-2.7	30.0
3-Nitroaniline	Lin1		0.2454		5440	5000	8.9	30.0
4,6-Dinitro-2-methylphenol	Lin		0.0833		4910	5000	-1.9	30.0
Diphenylamine	Ave	0.5950	0.6307		5300	5000	6.0	30.0
N-Nitrosodiphenylamine	Ave	0.5950	0.6307		5300	5000	6.0	20.0
1,2-Diphenylhydrazine	Ave	1.232	1.315		5340	5000	6.7	30.0
Azobenzene	Ave	1.232	1.315		5340	5000	6.7	30.0
Benzophenone	Ave	0.7303	0.7877		5390	5000	7.9	30.0
2-Nitroaniline	Ave	0.0468	0.0454		4850	5000	-3.0	30.0
4-Bromophenyl phenyl ether	Ave	0.1860	0.1861		5000	5000	0.0	30.0
Hexachlorobenzene	Ave	0.2078	0.1933		4650	5000	-7.0	30.0
Atrazine	Lin1		0.1896		5010	5000	0.2	30.0
Pentachlorophenol	Lin1		0.0826		4710	5000	-5.9	20.0
Pentachloronitrobenzene	Lin1		0.0855		4810	5000	-3.9	30.0
Phenanthrene	Ave	1.012	0.9960		4920	5000	-1.6	30.0
Anthracene	Ave	0.8679	0.9677		5580	5000	11.5	30.0
Carbazole	Ave	0.7502	0.8215		5480	5000	9.5	30.0
Di-n-butyl phthalate	Lin1		1.247		5050	5000	1.0	30.0
Fluoranthene	Ave	0.8040	0.8858		5510	5000	10.2	20.0
Benzidine	Qua		0.2048		6080	5000	21.6	30.0
Pyrene	Ave	1.363	1.493		5480	5000	9.5	30.0
Butyl benzyl phthalate	Lin1		0.7764		5490	5000	9.8	30.0
Benzo[a]anthracene	Lin1		0.9220		5150	5000	3.0	30.0
3,3'-Dichlorobenzidine	Lin1		0.2898		5760	5000	15.1	30.0
Chrysene	Lin2		0.8839		5070	5000	1.5	30.0
Bis(2-ethylhexyl) phthalate	Lin1		1.079		5560	5000	11.1	30.0
Di-n-octyl phthalate	Lin		2.113		5340	5000	6.8	20.0
Benzo[b]fluoranthene	Ave	1.227	1.181		4810	5000	-3.8	30.0
Benzo[k]fluoranthene	Ave	1.147	1.250		5450	5000	9.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCV 360-49260/16 Calibration Date: 09/21/2009 21:41

Instrument ID: Inst. J Calib Start Date: 09/21/2009 15:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/21/2009 18:59

Lab File ID: J03054.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Lin1		0.8647		4860	5000	-2.8	20.0
Indeno[1,2,3-cd]pyrene	Lin1		0.8001		5070	5000	1.5	30.0
Dibenz(a,h)anthracene	Lin1		0.6625		5130	5000	2.6	30.0
Benzo[g,h,i]perylene	Ave	0.6347	0.7029		5540	5000	10.8	30.0
2-Fluorophenol	Lin		0.5868		4760	5000	-4.8	30.0
Phenol-d5	Ave	0.7448	0.7179		4820	5000	-3.6	30.0
Nitrobenzene-d5	Ave	0.3114	0.3345		5370	5000	7.4	30.0
2-Fluorobiphenyl	Ave	1.269	1.211		4770	5000	-4.5	30.0
2,4,6-Tribromophenol	Lin1		0.0847		4670	5000	-6.5	30.0
Terphenyl-d14	Ave	0.8489	0.8864		5220	5000	4.4	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03054.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	21-Sep-2009 21:41:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCV		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	49260	Lims Sample ID:	16
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:05:26	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 15:05:25

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.299	6.302	-0.003	83372	2.00	
* 2 Naphthalene-d8	136	7.641	7.643	-0.002	174508	2.00	
* 3 Acenaphthene-d10	164	9.367	9.370	-0.003	86226	2.00	
* 4 Phenanthrene-d10	188	10.805	10.808	-0.003	135967	2.00	
* 5 Chrysene-d12	240	13.373	13.371	0.002	86128	2.00	
* 6 Perylene-d12	264	14.705	14.708	-0.003	56168	2.00	
$ 7 2-Fluorophenol	112	4.433	4.436	-0.003	122302	4.76	
$ 8 Phenol-d5	99	5.963	5.965	-0.002	149630	4.82	
$ 9 Nitrobenzene-d5	82	6.920	6.917	0.003	145945	5.37	
$ 10 2-Fluorobiphenyl	172	8.737	8.735	0.002	261143	4.77	
$ 11 2,4,6-Tribromophenol	330	10.141	10.139	0.002	28794	4.67	
$ 12 Terphenyl-d14	244	12.387	12.385	0.002	190851	5.22	
14 1,4-Dioxane	88	1.361	1.363	-0.002	47413	4.63	
16 Pyridine	79	1.673	1.681	-0.007	112107	4.63	
15 N-Nitrosodimethylamine	74	1.678	1.685	-0.007	64962	4.93	
19 Aniline	93	5.924	5.927	-0.003	185368	4.84	
18 Phenol	94	5.977	5.980	-0.003	160951	4.81	
20 Bis(2-chloroethyl)ether	93	6.054	6.057	-0.002	125476	4.51	
21 2-Chlorophenol	128	6.054	6.052	0.002	127072	4.66	
22 1,4-Dichlorobenzene	146	6.227	6.225	0.002	142169	4.45	
23 1,3-Dichlorobenzene	146	6.318	6.321	-0.003	146671	4.39	
25 1,2-Dichlorobenzene	146	6.482	6.480	0.002	132772	4.21	
24 Benzyl alcohol	79	6.501	6.499	0.002	105298	4.49	
26 2-Methylphenol	108	6.655	6.653	0.002	113268	4.82	
27 2,2'-oxybis[1-chloropropane]	45	6.669	6.662	0.007	128038	4.44	
30 Acetophenone	105	6.770	6.768	0.002	170562	4.91	
17 Benzaldehyde	105	6.770	6.768	0.002	170562	4.91	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
29 N-Nitrosodi-n-propylamine	70	6.799	6.802	-0.003	91084	4.91	
28 3 & 4 Methylphenol	108	6.828	6.826	0.002	119614	4.91	
31 Hexachloroethane	117	6.838	6.840	-0.002	56504	4.56	
32 Nitrobenzene	77	6.939	6.937	0.002	144707	5.30	
33 Isophorone	82	7.198	7.201	-0.003	247135	4.94	
34 2-Nitrophenol	139	7.275	7.273	0.002	64749	4.90	
35 2,4-Dimethylphenol	107	7.362	7.360	0.002	131993	5.35	
37 Bis(2-chloroethoxy)methane	93	7.458	7.456	0.002	144631	5.17	
36 Benzoic acid	105	7.458	7.458	0.000	24398	4.53	M
38 2,4-Dichlorophenol	162	7.521	7.523	-0.002	93968	4.91	
39 1,2,4-Trichlorobenzene	180	7.598	7.595	0.003	110611	4.83	
41 Naphthalene	128	7.660	7.663	-0.003	381615	4.84	
40 Alpha-Terpineol	59	7.713	7.711	0.002	90103	5.10	
42 4-Chloroaniline	127	7.747	7.744	0.003	151490	5.46	
43 Hexachlorobutadiene	225	7.814	7.812	0.002	59442	4.73	
44 Caprolactam	55	8.074	8.057	0.017	38668	4.92	
45 4-Chloro-3-methylphenol	107	8.256	8.254	0.002	110600	4.89	
46 2-Methylnaphthalene	142	8.357	8.360	-0.003	245704	4.94	
47 1-Methylnaphthalene	142	8.454	8.451	0.003	242544	4.98	
48 Hexachlorocyclopentadiene	237	8.526	8.523	0.003	46031	4.88	
49 1,2,4,5-Tetrachlorobenzene	216	8.530	8.528	0.002	92131	4.84	
50 2,4,6-Trichlorophenol	196	8.651	8.653	-0.002	62225	4.90	
51 2,4,5-Trichlorophenol	196	8.684	8.682	0.002	63234	4.79	
52 1,1'-Biphenyl	154	8.829	8.826	0.003	279010	4.85	
53 2-Chloronaphthalene	162	8.833	8.831	0.002	277300	4.63	
54 Phenyl ether	170	8.934	8.937	-0.003	148418	4.82	
68 4-Nitroaniline	138	8.949	8.947	0.002	76439	5.01	
56 Dimethyl phthalate	163	9.156	9.153	0.003	263207	5.12	
63 2,4-Dinitrotoluene	165	9.204	9.201	0.003	60541	5.08	
58 Acenaphthylene	152	9.228	9.226	0.002	361717	5.26	
61 Acenaphthene	153	9.401	9.399	0.002	227755	4.84	
60 2,4-Dinitrophenol	184	9.463	9.466	-0.003	13476	5.19	
62 4-Nitrophenol	109	9.545	9.543	0.002	36204	5.32	
64 Dibenzofuran	168	9.574	9.572	0.002	313942	4.96	
57 2,6-Dinitrotoluene	165	9.588	9.591	-0.003	76544	5.13	
65 2,3,4,6-Tetrachlorophenol	232	9.704	9.706	-0.002	50001	4.97	
66 Diethyl phthalate	149	9.848	9.846	0.002	270863	5.19	
69 Fluorene	166	9.906	9.904	0.002	251056	5.10	
67 4-Chlorophenyl phenyl ether	204	9.925	9.928	-0.003	115389	4.87	
59 3-Nitroaniline	138	9.939	9.937	0.002	52901	5.44	
70 4,6-Dinitro-2-methylphenol	198	9.983	9.980	0.003	28306	4.91	
72 N-Nitrosodiphenylamine	169	10.045	10.043	0.002	214391	5.30	
71 Diphenylamine	169	10.045	10.043	0.002	214391	5.30	
74 Azobenzene	77	10.079	10.077	0.002	446847	5.34	
73 1,2-Diphenylhydrazine	77	10.079	10.077	0.002	446847	5.34	
13 Benzophenone	105	10.089	10.091	-0.002	267766	5.39	
75 4-Bromophenyl phenyl ether	248	10.396	10.399	-0.003	63261	5.00	
55 2-Nitroaniline	65	10.396	10.394	0.002	9792	4.85	
76 Hexachlorobenzene	284	10.440	10.437	0.003	65689	4.65	
77 Atrazine	200	10.589	10.591	-0.002	64457	5.01	
78 Pentachlorophenol	266	10.642	10.644	-0.002	28077	4.71	
79 Pentachloronitrobenzene	237	10.651	10.649	0.002	29073	4.81	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	10.829	10.827	0.002	338571	4.92	
81 Anthracene	178	10.877	10.880	-0.003	328948	5.58	
83 Carbazole	167	11.050	11.048	0.002	279256	5.48	
84 Di-n-butyl phthalate	149	11.445	11.447	-0.002	423782	5.05	
87 Fluoranthene	202	11.983	11.981	0.002	301086	5.51	
86 Benzidine	184	12.142	12.149	-0.007	69599	6.08	
85 Pyrene	202	12.195	12.193	0.002	321410	5.48	
89 Butyl benzyl phthalate	149	12.897	12.895	0.002	167170	5.49	
93 Benzo[a]anthracene	228	13.363	13.366	-0.003	198527	5.15	
91 3,3'-Dichlorobenzidine	252	13.368	13.371	-0.003	62403	5.76	
94 Chrysene	228	13.397	13.395	0.002	190321	5.07	
92 Bis(2-ethylhexyl) phthalate	149	13.479	13.481	-0.002	232404	5.56	
95 Di-n-octyl phthalate	149	14.089	14.092	-0.003	296709	5.34	
97 Benzo[b]fluoranthene	252	14.364	14.366	-0.002	165860	4.81	
98 Benzo[k]fluoranthene	252	14.392	14.390	0.002	175474	5.45	
99 Benzo[a]pyrene	252	14.657	14.659	-0.002	121425	4.86	
100 Indeno[1,2,3-cd]pyrene	276	15.614	15.616	-0.002	112350	5.07	
101 Dibenz(a,h)anthracene	278	15.633	15.631	0.002	93025	5.13	
102 Benzo[g,h,i]perylene	276	15.821	15.818	0.003	98704	5.54	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Sep-2009 15:05:26 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03054.D

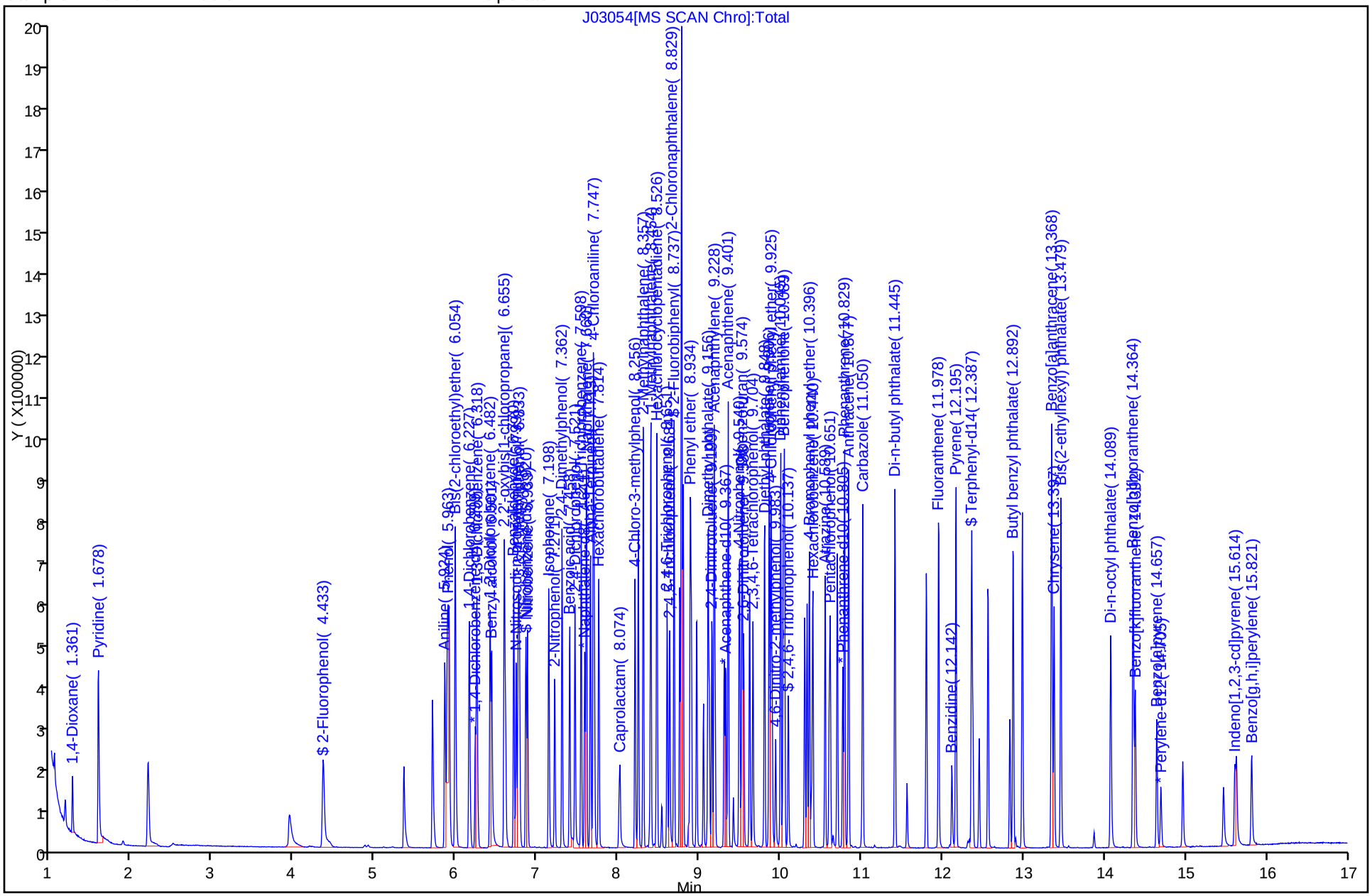
Inj Date: 21-Sep-2009 21:41:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49260 Lims Sample ID: 16

Client ID: Instrument: Inst. J

Sample Info: CCV

Sample Amount: 1.00 ul Operator:



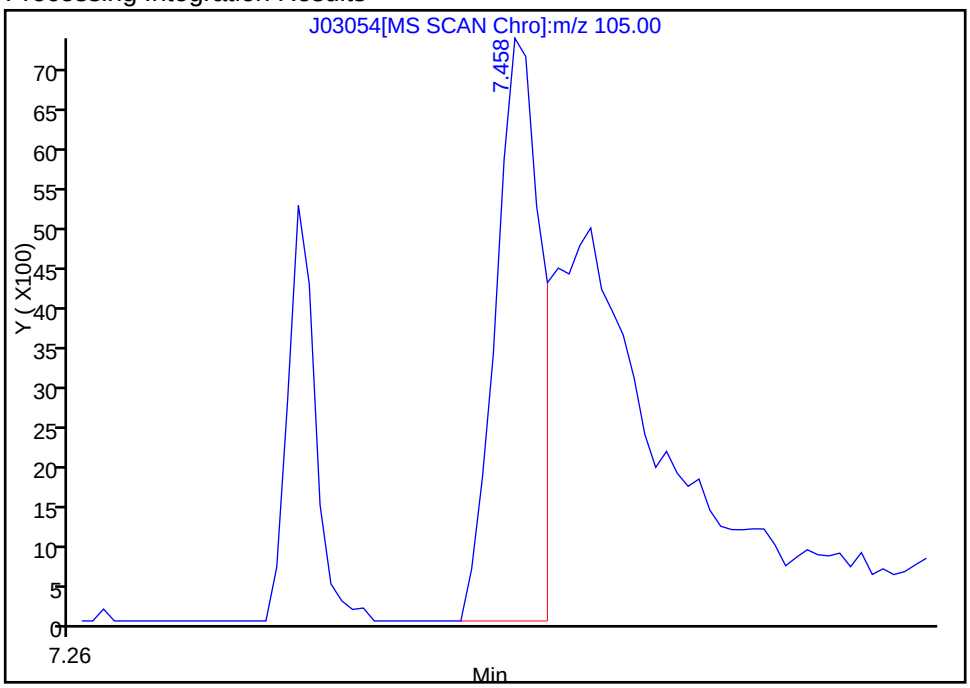
Chrom Revision: 1.1 20-Sep-2009 21:03:36
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03054.D		
Inj Date:	21-Sep-2009 21:41:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	16
Client ID:		Instrument:	Inst. J
Sample Info:	CCV		
Sample Amount:	1.00 ul	Operator:	

36 Benzoic acid, Number: 1, m/z: 105 Type: quant, RT: 7.46

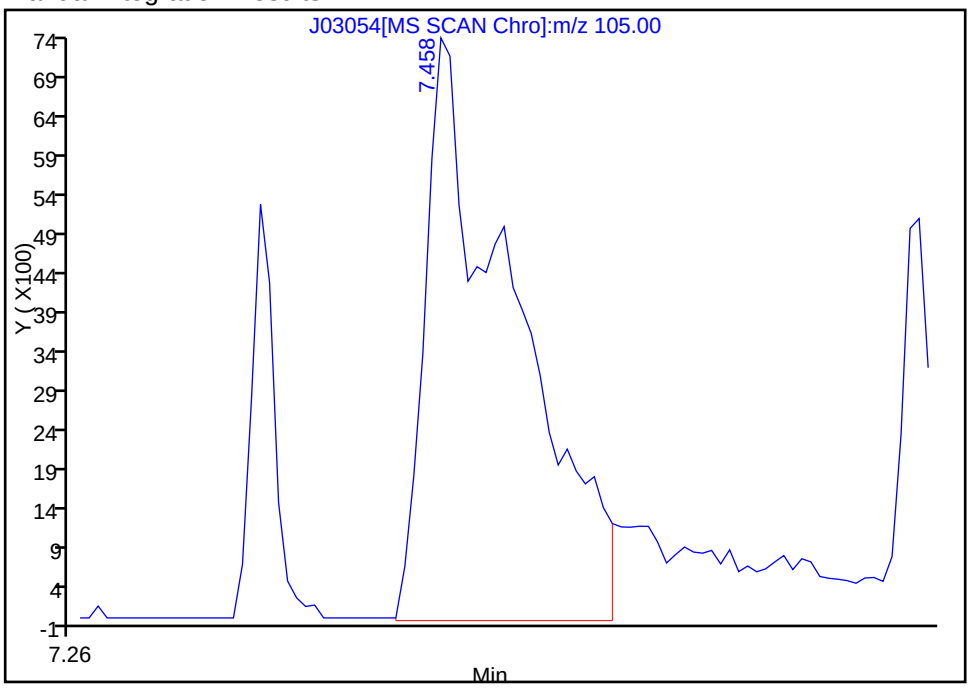
Processing Integration Results

RT: 7.46
Response: 10330
Amount: 3.000939



Manual Integration Results

RT: 7.46
Response: 24398
Amount: 4.533500



Reviewer: sullivanp, 23-Sep-2009 15:05:25
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCV 360-49397/13 Calibration Date: 09/23/2009 22:29

Instrument ID: Inst. J Calib Start Date: 09/21/2009 15:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/21/2009 18:59

Lab File ID: J03101.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzophenone	Ave	0.7303				5000		30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03101.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	23-Sep-2009 22:29:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCV		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49397	Lims Sample ID:	13
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 19:04:34	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 18:09:52
Reviewed By:	rachtank	Date:	25-Sep-2009 19:04:34

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	8.576	8.573	0.003	105434	2.00	
* 2 Naphthalene-d8	136	9.888	9.890	-0.002	209604	2.00	
* 3 Acenaphthene-d10	164	11.687	11.689	-0.002	103801	2.00	
* 4 Phenanthrene-d10	188	13.182	13.179	0.003	171898	2.00	
* 5 Chrysene-d12	240	16.010	16.007	0.003	133032	2.00	
* 6 Perylene-d12	264	17.914	17.911	0.003	77671	2.00	
$ 7 2-Fluorophenol	112	7.239	7.236	0.003	149856	4.53	
$ 8 Phenol-d5	99	8.191	8.193	-0.002	185351	4.57	
$ 9 Nitrobenzene-d5	82	9.177	9.174	0.003	166116	5.10	
$ 10 2-Fluorobiphenyl	172	10.961	10.958	0.003	336337	4.87	
$ 11 2,4,6-Tribromophenol	330	12.495	12.492	0.003	34172	4.68	
$ 12 Terphenyl-d14	244	14.779	14.776	0.003	263158	4.76	
14 1,4-Dioxane	88	4.882	4.870	0.012	61994	4.41	
16 Pyridine	79	5.503	5.500	0.003	160775	4.51	
15 N-Nitrosodimethylamine	74	5.527	5.524	0.003	84140	4.54	
17 Benzaldehyde	105	8.143	8.140	0.003	100528	4.50	
18 Phenol	94	8.205	8.202	0.003	193921	4.48	
19 Aniline	93	8.277	8.274	0.003	236263	4.70	
20 Bis(2-chloroethyl)ether	93	8.311	8.308	0.003	155338	4.30	
21 2-Chlorophenol	128	8.393	8.390	0.003	157880	4.57	
22 1,4-Dichlorobenzene	146	8.542	8.539	0.003	179763	4.40	
23 1,3-Dichlorobenzene	146	8.595	8.592	0.003	184800	4.38	
24 Benzyl alcohol	79	8.715	8.712	0.003	125944	4.50	
25 1,2-Dichlorobenzene	146	8.792	8.794	-0.002	170336	4.29	
26 2-Methylphenol	108	8.715	8.813	-0.098	97071	3.11	
27 2,2'-oxybis[1-chloropropane]	45	8.854	8.851	0.003	152591	4.39	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.955	8.952	0.003	147913	4.57	
29 N-Nitrosodi-n-propylamine	70	8.999	8.996	0.003	110131	4.70	
30 Acetophenone	105	8.999	9.001	-0.001	207747	4.55	
31 Hexachloroethane	117	9.109	9.106	0.003	65909	4.58	
32 Nitrobenzene	77	9.196	9.193	0.003	168761	5.11	
33 Isophorone	82	9.403	9.400	0.003	295297	5.36	
35 2,4-Dimethylphenol	107	9.494	9.491	0.003	149906	5.19	
34 2-Nitrophenol	139	9.513	9.510	0.003	81125	4.79	
36 Benzoic acid	105	9.533	9.532	0.001	22309	4.02	
37 Bis(2-chloroethoxy)methane	93	9.595	9.592	0.003	177765	4.97	
38 2,4-Dichlorophenol	162	9.734	9.731	0.003	121893	5.39	
39 1,2,4-Trichlorobenzene	180	9.835	9.832	0.003	141641	4.93	
40 Alpha-Terpineol	59	9.850	9.847	0.003	109079	5.35	
41 Naphthalene	128	9.912	9.909	0.003	469127	4.93	
42 4-Chloroaniline	127	9.965	9.962	0.003	181775	5.18	
43 Hexachlorobutadiene	225	10.057	10.054	0.003	75219	4.95	
44 Caprolactam	55	10.268	10.260	0.008	42588	4.64	
45 4-Chloro-3-methylphenol	107	10.398	10.395	0.003	131156	5.44	
46 2-Methylnaphthalene	142	10.595	10.597	-0.002	302045	5.06	
47 1-Methylnaphthalene	142	10.715	10.712	0.003	294900	5.02	
49 1,2,4,5-Tetrachlorobenzene	216	10.807	10.804	0.003	115661	5.04	
48 Hexachlorocyclopentadiene	237	10.812	10.809	0.003	49533	5.29	
50 2,4,6-Trichlorophenol	196	10.893	10.890	0.003	81881	5.45	
51 2,4,5-Trichlorophenol	196	10.932	10.929	0.003	82527	5.34	
52 1,1'-Biphenyl	154	11.062	11.059	0.003	355714	4.89	
53 2-Chloronaphthalene	162	11.100	11.097	0.003	316838	4.92	
54 Phenyl ether	170	11.163	11.164	-0.001	195308	5.03	
55 2-Nitroaniline	65	11.220	11.222	-0.002	80115	4.86	
56 Dimethyl phthalate	163	11.379	11.376	0.003	321670	5.13	
57 2,6-Dinitrotoluene	165	11.485	11.482	0.003	75576	5.18	
58 Acenaphthylene	152	11.543	11.540	0.003	438466	5.22	
59 3-Nitroaniline	138	11.639	11.636	0.003	75827	5.00	
61 Acenaphthene	153	11.721	11.721	0.000	279010	4.93	
60 2,4-Dinitrophenol	184	11.735	11.735	0.000	13908	6.97	
62 4-Nitrophenol	109	11.740	11.739	0.001	34212	4.58	
64 Dibenzofuran	168	11.874	11.871	0.003	385082	4.96	
63 2,4-Dinitrotoluene	165	11.879	11.876	0.003	91094	4.98	
65 2,3,4,6-Tetrachlorophenol	232	11.980	11.977	0.003	57264	4.68	
66 Diethyl phthalate	149	12.072	12.069	0.003	316626	5.02	
67 4-Chlorophenyl phenyl ether	204	12.182	12.179	0.003	148154	4.99	
69 Fluorene	166	12.225	12.222	0.003	314066	5.14	
68 4-Nitroaniline	138	12.264	12.261	0.003	64242	5.17	
70 4,6-Dinitro-2-methylphenol	198	12.288	12.290	-0.002	22736	6.00	
71 Diphenylamine	169	12.307	12.304	0.003	273146	5.10	
72 N-Nitrosodiphenylamine	169	12.307	12.304	0.003	273146	5.10	
74 Azobenzene	77	12.341	12.338	0.003	334726	5.22	
73 1,2-Diphenylhydrazine	77	12.341	12.338	0.003	334726	5.22	
75 4-Bromophenyl phenyl ether	248	12.677	12.679	-0.002	79063	4.98	
77 Atrazine	200	12.822	12.824	-0.002	80933	5.44	
76 Hexachlorobenzene	284	12.865	12.862	0.003	79808	4.90	
78 Pentachlorophenol	266	13.033	13.030	0.003	30672	4.93	
79 Pentachloronitrobenzene	237	13.105	13.107	-0.002	31195	4.91	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	13.206	13.203	0.003	430531	4.85	
81 Anthracene	178	13.250	13.251	-0.001	418436	5.26	
83 Carbazole	167	13.399	13.396	0.003	372867	5.31	
84 Di-n-butyl phthalate	149	13.683	13.679	0.004	505100	4.89	
85 Pyrene	202	14.437	14.434	0.003	410200	4.79	
86 Benzidine	184	14.534	14.531	0.003	88536	6.08	
87 Fluoranthene	202	14.692	14.689	0.003	433008	5.26	
89 Butyl benzyl phthalate	149	15.274	15.271	0.003	213234	4.61	
92 Bis(2-ethylhexyl) phthalate	149	15.851	15.853	-0.002	257072	4.42	
91 3,3'-Dichlorobenzidine	252	15.928	15.925	0.003	84902	5.39	
93 Benzo[a]anthracene	228	15.986	15.983	0.003	302971	5.18	
94 Chrysene	228	16.039	16.036	0.003	282880	4.78	
95 Di-n-octyl phthalate	149	16.525	16.521	0.004	316078	3.71	
97 Benzo[b]fluoranthene	252	17.328	17.325	0.003	237703	4.46	
98 Benzo[k]fluoranthene	252	17.356	17.353	0.003	239933	4.80	
99 Benzo[a]pyrene	252	17.828	17.820	0.008	175761	4.90	
101 Dibenz(a,h)anthracene	278	19.823	19.820	0.003	119975	6.56	
100 Indeno[1,2,3-cd]pyrene	276	19.843	19.835	0.008	150968	5.73	
102 Benzo[g,h,i]perylene	276	20.439	20.431	0.008	130791	5.79	

Report Date: 25-Sep-2009 19:04:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03101.D

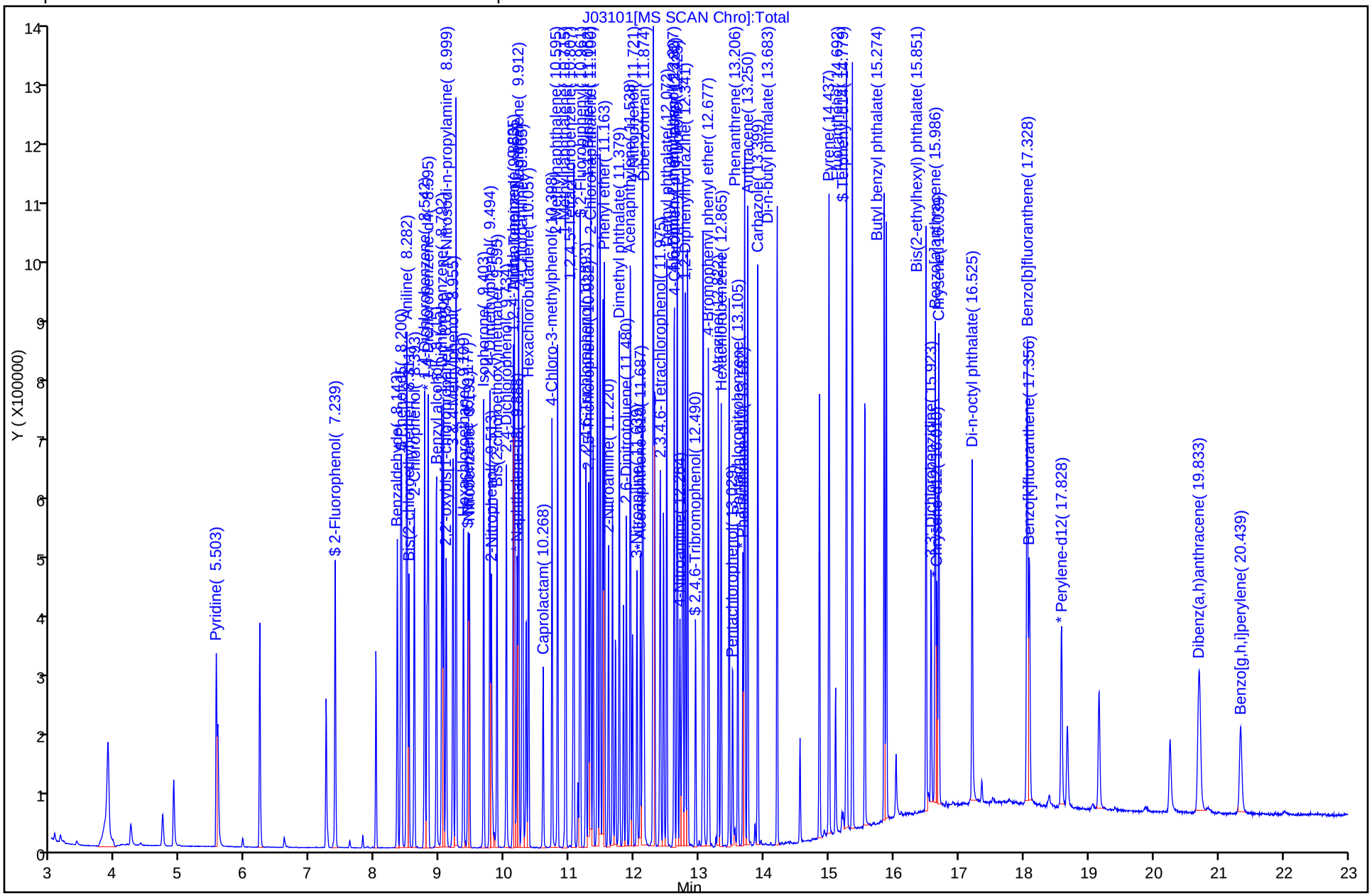
Inj Date: 23-Sep-2009 22:29:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49397 Lims Sample ID: 13

Client ID: Instrument: Inst. J

Sample Info: CCV

Sample Amount: 1.00 ul Operator:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCV 360-49397/13 Calibration Date: 09/23/2009 22:29

Instrument ID: Inst. J Calib Start Date: 09/23/2009 16:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/23/2009 20:48

Lab File ID: J03101.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2		0.2352		4410	5000	-11.8	30.0
Pyridine	Ave	0.6756	0.6100		4510	5000	-9.7	30.0
N-Nitrosodimethylamine	Ave	0.3519	0.3192		4540	5000	-9.3	30.0
Benzaldehyde	Ave	0.4236	0.3814		4500	5000	-10.0	30.0
Phenol	Ave	0.8207	0.7357		4480	5000	-10.4	20.0
Aniline	Ave	0.9532	0.8963		4700	5000	-6.0	30.0
Bis(2-chloroethyl)ether	Ave	0.6855	0.5893		4300	5000	-14.0	30.0
2-Chlorophenol	Ave	0.6554	0.5990		4570	5000	-8.6	30.0
1,4-Dichlorobenzene	Ave	0.7747	0.6820		4400	5000	-12.0	20.0
1,3-Dichlorobenzene	Ave	0.8010	0.7011		4380	5000	-12.5	30.0
2-Methylphenol	Ave	0.5914	0.3683		3110	5000	-37.7*	30.0
Benzyl alcohol	Ave	0.5311	0.4778		4500	5000	-10.0	30.0
1,2-Dichlorobenzene	Ave	0.7539	0.6462		4290	5000	-14.3	30.0
2,2'-oxybis[1-chloropropane]	Ave	0.6595	0.5789		4390	5000	-12.2	30.0
3 & 4 Methylphenol	Ave	0.6142	0.5612		4570	5000	-8.6	30.0
Acetophenone	Ave	0.8654	0.7882		4550	5000	-8.9	30.0
N-Nitrosodi-n-propylamine	Ave	0.4443	0.4178	0.0500	4700	5000	-6.0	30.0
Hexachloroethane	Ave	0.2732	0.2501		4580	5000	-8.5	30.0
Nitrobenzene	Ave	0.3153	0.3221		5110	5000	2.1	30.0
Isophorone	Ave	0.5260	0.5635		5360	5000	7.1	30.0
2,4-Dimethylphenol	Ave	0.2755	0.2861		5190	5000	3.8	30.0
2-Nitrophenol	Lin1		0.1548		4790	5000	-4.2	20.0
Benzoic acid	Qua		0.0426		4020	5000	-19.6	30.0
Bis(2-chloroethoxy)methane	Ave	0.3411	0.3392		4970	5000	-0.6	30.0
2,4-Dichlorophenol	Ave	0.2157	0.2326		5390	5000	7.9	20.0
1,2,4-Trichlorobenzene	Ave	0.2744	0.2703		4930	5000	-1.5	30.0
Alpha-Terpineol	Ave	0.1947	0.2082		5350	5000	6.9	30.0
Naphthalene	Ave	0.9072	0.8953		4930	5000	-1.3	30.0
4-Chloroaniline	Ave	0.3348	0.3469		5180	5000	3.6	30.0
Hexachlorobutadiene	Ave	0.1449	0.1435		4950	5000	-1.0	20.0
Caprolactam	Lin1		0.0813		4640	5000	-7.1	30.0
4-Chloro-3-methylphenol	Ave	0.2303	0.2503		5440	5000	8.7	20.0
2-Methylnaphthalene	Ave	0.5692	0.5764		5060	5000	1.3	30.0
1-Methylnaphthalene	Ave	0.5600	0.5628		5020	5000	0.5	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2191	0.2207		5040	5000	0.7	30.0
Hexachlorocyclopentadiene	Ave	0.1803	0.1909	0.0500	5290	5000	5.9	30.0
2,4,6-Trichlorophenol	Ave	0.2897	0.3155		5450	5000	8.9	20.0
2,4,5-Trichlorophenol	Ave	0.2975	0.3180		5340	5000	6.9	30.0
1,1'-Biphenyl	Ave	1.402	1.371		4890	5000	-2.2	30.0
2-Chloronaphthalene	Ave	1.241	1.221		4920	5000	-1.6	30.0
2-Nitroaniline	Lin1		0.3087		4860	5000	-2.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCV 360-49397/13 Calibration Date: 09/23/2009 22:29

Instrument ID: Inst. J Calib Start Date: 09/23/2009 16:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/23/2009 20:48

Lab File ID: J03101.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl phthalate	Ave	1.207	1.240		5130	5000	2.7	30.0
2,6-Dinitrotoluene	Lin2		0.2912		5180	5000	3.5	30.0
Acenaphthylene	Ave	1.618	1.690		5220	5000	4.4	30.0
3-Nitroaniline	Lin1		0.2922		5000	5000	0.1	30.0
Acenaphthene	Ave	1.091	1.075		4930	5000	-1.5	20.0
2,4-Dinitrophenol	Qua		0.0536	0.0500	6970	5000	39.5*	30.0
4-Nitrophenol	Lin		0.1318	0.0500	4580	5000	-8.4	30.0
Dibenzofuran	Ave	1.497	1.484		4960	5000	-0.9	30.0
2,4-Dinitrotoluene	Lin1		0.3510		4980	5000	-0.5	30.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2207		4680	5000	-6.4	30.0
Diethyl phthalate	Ave	1.215	1.220		5020	5000	0.4	30.0
4-Chlorophenyl phenyl ether	Ave	0.5726	0.5709		4990	5000	-0.3	30.0
Fluorene	Ave	1.178	1.210		5140	5000	2.7	30.0
4-Nitroaniline	Lin1		0.2476		5170	5000	3.3	30.0
4,6-Dinitro-2-methylphenol	Qua		0.0529		6000	5000	20.1	30.0
Diphenylamine	Ave	0.6232	0.6356		5100	5000	2.0	30.0
N-Nitrosodiphenylamine	Ave	0.6232	0.6356		5100	5000	2.0	20.0
1,2-Diphenylhydrazine	Ave	0.7457	0.7789		5220	5000	4.4	30.0
Azobenzene	Ave	0.7457	0.7789		5220	5000	4.4	30.0
4-Bromophenyl phenyl ether	Ave	0.1845	0.1840		4980	5000	-0.3	30.0
Atrazine	Ave	0.1730	0.1883		5440	5000	8.9	30.0
Hexachlorobenzene	Ave	0.1897	0.1857		4900	5000	-2.1	30.0
Pentachlorophenol	Qua		0.0714		4930	5000	-1.4	20.0
Pentachloronitrobenzene	Lin1		0.0726		4910	5000	-1.9	30.0
Phenanthrene	Ave	1.033	1.002		4850	5000	-3.0	30.0
Anthracene	Ave	0.9247	0.9737		5260	5000	5.3	30.0
Carbazole	Ave	0.8175	0.8677		5310	5000	6.1	30.0
Di-n-butyl phthalate	Ave	1.201	1.175		4890	5000	-2.1	30.0
Pyrene	Ave	1.287	1.233		4790	5000	-4.1	30.0
Benzidine	Lin1		0.2060		6080	5000	21.7	30.0
Fluoranthene	Ave	0.9580	1.008		5260	5000	5.2	20.0
Butyl benzyl phthalate	Lin1		0.6412		4610	5000	-7.9	30.0
Bis(2-ethylhexyl) phthalate	Lin1		0.7730		4420	5000	-11.7	30.0
3,3'-Dichlorobenzidine	Lin1		0.2553		5390	5000	7.8	30.0
Benzo[a]anthracene	Ave	0.8789	0.9110		5180	5000	3.6	30.0
Chrysene	Ave	0.8894	0.8506		4780	5000	-4.4	30.0
Di-n-octyl phthalate	Lin		1.628		3710	5000	-25.8*	20.0
Benzo[b]fluoranthene	Lin1		1.224		4460	5000	-10.8	30.0
Benzo[k]fluoranthene	Lin1		1.236		4800	5000	-4.1	30.0
Benzo[a]pyrene	Lin1		0.9052		4900	5000	-2.0	20.0
Dibenz(a,h)anthracene	Qua		0.6179		6560	5000	31.2*	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCV 360-49397/13 Calibration Date: 09/23/2009 22:29

Instrument ID: Inst. J Calib Start Date: 09/23/2009 16:23

GC Column: Rtx-5ms ID: 0.25(um) Calib End Date: 09/23/2009 20:48

Lab File ID: J03101.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Indeno[1,2,3-cd]pyrene	Lin		0.7775		5730	5000	14.6	30.0
Benzo[g,h,i]perylene	Lin		0.6736		5790	5000	15.8	30.0
2-Fluorophenol	Ave	0.6268	0.5685		4530	5000	-9.3	30.0
Phenol-d5	Ave	0.7689	0.7032		4570	5000	-8.6	30.0
Nitrobenzene-d5	Ave	0.3109	0.3170		5100	5000	2.0	30.0
2-Fluorobiphenyl	Ave	1.330	1.296		4870	5000	-2.5	30.0
2,4,6-Tribromophenol	Lin1		0.0795		4680	5000	-6.4	30.0
Terphenyl-d14	Ave	0.8312	0.7913		4760	5000	-4.8	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03101.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	23-Sep-2009 22:29:30	Dil. Factor:	1.0000
Sample Type:	CCVIS, Cal Verification ISTD Check		
Sample ID:	CCV		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49397	Lims Sample ID:	13
Sublist:	chrom-8270NDMA*sub1		
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 19:04:34	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	25-Sep-2009 18:09:52
Reviewed By:	rachtank	Date:	25-Sep-2009 19:04:34

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	8.576	8.573	0.003	105434	2.00	
* 2 Naphthalene-d8	136	9.888	9.890	-0.002	209604	2.00	
* 3 Acenaphthene-d10	164	11.687	11.689	-0.002	103801	2.00	
* 4 Phenanthrene-d10	188	13.182	13.179	0.003	171898	2.00	
* 5 Chrysene-d12	240	16.010	16.007	0.003	133032	2.00	
* 6 Perylene-d12	264	17.914	17.911	0.003	77671	2.00	
$ 7 2-Fluorophenol	112	7.239	7.236	0.003	149856	4.53	
$ 8 Phenol-d5	99	8.191	8.193	-0.002	185351	4.57	
$ 9 Nitrobenzene-d5	82	9.177	9.174	0.003	166116	5.10	
$ 10 2-Fluorobiphenyl	172	10.961	10.958	0.003	336337	4.87	
$ 11 2,4,6-Tribromophenol	330	12.495	12.492	0.003	34172	4.68	
$ 12 Terphenyl-d14	244	14.779	14.776	0.003	263158	4.76	
14 1,4-Dioxane	88	4.882	4.870	0.012	61994	4.41	
16 Pyridine	79	5.503	5.500	0.003	160775	4.51	
15 N-Nitrosodimethylamine	74	5.527	5.524	0.003	84140	4.54	
17 Benzaldehyde	105	8.143	8.140	0.003	100528	4.50	
18 Phenol	94	8.205	8.202	0.003	193921	4.48	
19 Aniline	93	8.277	8.274	0.003	236263	4.70	
20 Bis(2-chloroethyl)ether	93	8.311	8.308	0.003	155338	4.30	
21 2-Chlorophenol	128	8.393	8.390	0.003	157880	4.57	
22 1,4-Dichlorobenzene	146	8.542	8.539	0.003	179763	4.40	
23 1,3-Dichlorobenzene	146	8.595	8.592	0.003	184800	4.38	
24 Benzyl alcohol	79	8.715	8.712	0.003	125944	4.50	
25 1,2-Dichlorobenzene	146	8.792	8.794	-0.002	170336	4.29	
26 2-Methylphenol	108	8.715	8.813	-0.098	97071	3.11	
27 2,2'-oxybis[1-chloropropane]	45	8.854	8.851	0.003	152591	4.39	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	8.955	8.952	0.003	147913	4.57	
29 N-Nitrosodi-n-propylamine	70	8.999	8.996	0.003	110131	4.70	
30 Acetophenone	105	8.999	9.001	-0.001	207747	4.55	
31 Hexachloroethane	117	9.109	9.106	0.003	65909	4.58	
32 Nitrobenzene	77	9.196	9.193	0.003	168761	5.11	
33 Isophorone	82	9.403	9.400	0.003	295297	5.36	
35 2,4-Dimethylphenol	107	9.494	9.491	0.003	149906	5.19	
34 2-Nitrophenol	139	9.513	9.510	0.003	81125	4.79	
36 Benzoic acid	105	9.533	9.532	0.001	22309	4.02	
37 Bis(2-chloroethoxy)methane	93	9.595	9.592	0.003	177765	4.97	
38 2,4-Dichlorophenol	162	9.734	9.731	0.003	121893	5.39	
39 1,2,4-Trichlorobenzene	180	9.835	9.832	0.003	141641	4.93	
40 Alpha-Terpineol	59	9.850	9.847	0.003	109079	5.35	
41 Naphthalene	128	9.912	9.909	0.003	469127	4.93	
42 4-Chloroaniline	127	9.965	9.962	0.003	181775	5.18	
43 Hexachlorobutadiene	225	10.057	10.054	0.003	75219	4.95	
44 Caprolactam	55	10.268	10.260	0.008	42588	4.64	
45 4-Chloro-3-methylphenol	107	10.398	10.395	0.003	131156	5.44	
46 2-Methylnaphthalene	142	10.595	10.597	-0.002	302045	5.06	
47 1-Methylnaphthalene	142	10.715	10.712	0.003	294900	5.02	
49 1,2,4,5-Tetrachlorobenzene	216	10.807	10.804	0.003	115661	5.04	
48 Hexachlorocyclopentadiene	237	10.812	10.809	0.003	49533	5.29	
50 2,4,6-Trichlorophenol	196	10.893	10.890	0.003	81881	5.45	
51 2,4,5-Trichlorophenol	196	10.932	10.929	0.003	82527	5.34	
52 1,1'-Biphenyl	154	11.062	11.059	0.003	355714	4.89	
53 2-Chloronaphthalene	162	11.100	11.097	0.003	316838	4.92	
54 Phenyl ether	170	11.163	11.164	-0.001	195308	5.03	
55 2-Nitroaniline	65	11.220	11.222	-0.002	80115	4.86	
56 Dimethyl phthalate	163	11.379	11.376	0.003	321670	5.13	
57 2,6-Dinitrotoluene	165	11.485	11.482	0.003	75576	5.18	
58 Acenaphthylene	152	11.543	11.540	0.003	438466	5.22	
59 3-Nitroaniline	138	11.639	11.636	0.003	75827	5.00	
61 Acenaphthene	153	11.721	11.721	0.000	279010	4.93	
60 2,4-Dinitrophenol	184	11.735	11.735	0.000	13908	6.97	
62 4-Nitrophenol	109	11.740	11.739	0.001	34212	4.58	
64 Dibenzofuran	168	11.874	11.871	0.003	385082	4.96	
63 2,4-Dinitrotoluene	165	11.879	11.876	0.003	91094	4.98	
65 2,3,4,6-Tetrachlorophenol	232	11.980	11.977	0.003	57264	4.68	
66 Diethyl phthalate	149	12.072	12.069	0.003	316626	5.02	
67 4-Chlorophenyl phenyl ether	204	12.182	12.179	0.003	148154	4.99	
69 Fluorene	166	12.225	12.222	0.003	314066	5.14	
68 4-Nitroaniline	138	12.264	12.261	0.003	64242	5.17	
70 4,6-Dinitro-2-methylphenol	198	12.288	12.290	-0.002	22736	6.00	
71 Diphenylamine	169	12.307	12.304	0.003	273146	5.10	
72 N-Nitrosodiphenylamine	169	12.307	12.304	0.003	273146	5.10	
74 Azobenzene	77	12.341	12.338	0.003	334726	5.22	
73 1,2-Diphenylhydrazine	77	12.341	12.338	0.003	334726	5.22	
75 4-Bromophenyl phenyl ether	248	12.677	12.679	-0.002	79063	4.98	
77 Atrazine	200	12.822	12.824	-0.002	80933	5.44	
76 Hexachlorobenzene	284	12.865	12.862	0.003	79808	4.90	
78 Pentachlorophenol	266	13.033	13.030	0.003	30672	4.93	
79 Pentachloronitrobenzene	237	13.105	13.107	-0.002	31195	4.91	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
80 Phenanthrene	178	13.206	13.203	0.003	430531	4.85	
81 Anthracene	178	13.250	13.251	-0.001	418436	5.26	
83 Carbazole	167	13.399	13.396	0.003	372867	5.31	
84 Di-n-butyl phthalate	149	13.683	13.679	0.004	505100	4.89	
85 Pyrene	202	14.437	14.434	0.003	410200	4.79	
86 Benzidine	184	14.534	14.531	0.003	88536	6.08	
87 Fluoranthene	202	14.692	14.689	0.003	433008	5.26	
89 Butyl benzyl phthalate	149	15.274	15.271	0.003	213234	4.61	
92 Bis(2-ethylhexyl) phthalate	149	15.851	15.853	-0.002	257072	4.42	
91 3,3'-Dichlorobenzidine	252	15.928	15.925	0.003	84902	5.39	
93 Benzo[a]anthracene	228	15.986	15.983	0.003	302971	5.18	
94 Chrysene	228	16.039	16.036	0.003	282880	4.78	
95 Di-n-octyl phthalate	149	16.525	16.521	0.004	316078	3.71	
97 Benzo[b]fluoranthene	252	17.328	17.325	0.003	237703	4.46	
98 Benzo[k]fluoranthene	252	17.356	17.353	0.003	239933	4.80	
99 Benzo[a]pyrene	252	17.828	17.820	0.008	175761	4.90	
101 Dibenz(a,h)anthracene	278	19.823	19.820	0.003	119975	6.56	
100 Indeno[1,2,3-cd]pyrene	276	19.843	19.835	0.008	150968	5.73	
102 Benzo[g,h,i]perylene	276	20.439	20.431	0.008	130791	5.79	

Report Date: 25-Sep-2009 19:04:35 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03101.D

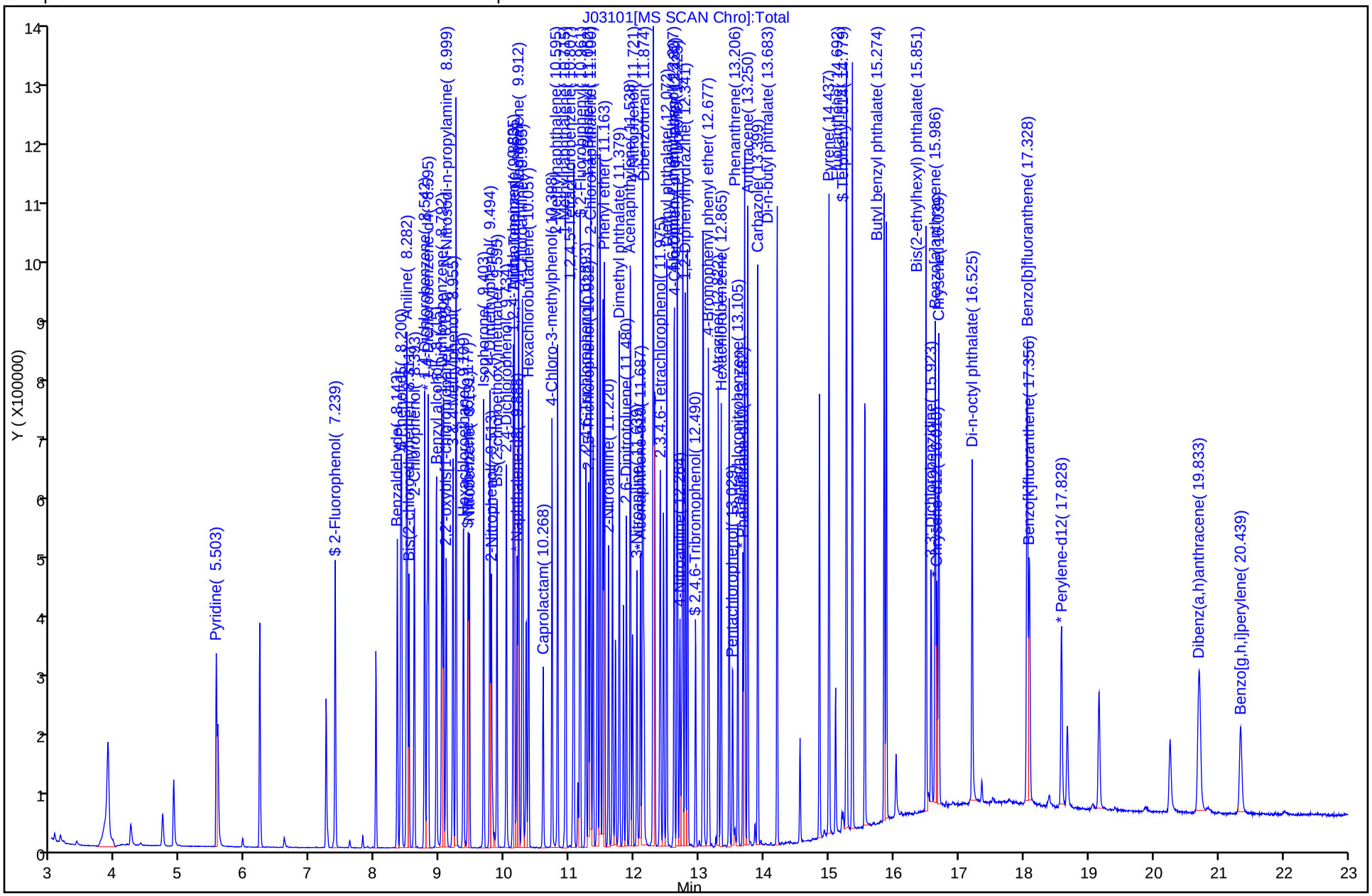
Inj Date: 23-Sep-2009 22:29:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49397 Lims Sample ID: 13

Client ID: Instrument: Inst. J

Sample Info: CCV

Sample Amount: 1.00 ul Operator:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10452.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	21-Sep-2009 22:07:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49266	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:05:19	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:05:19

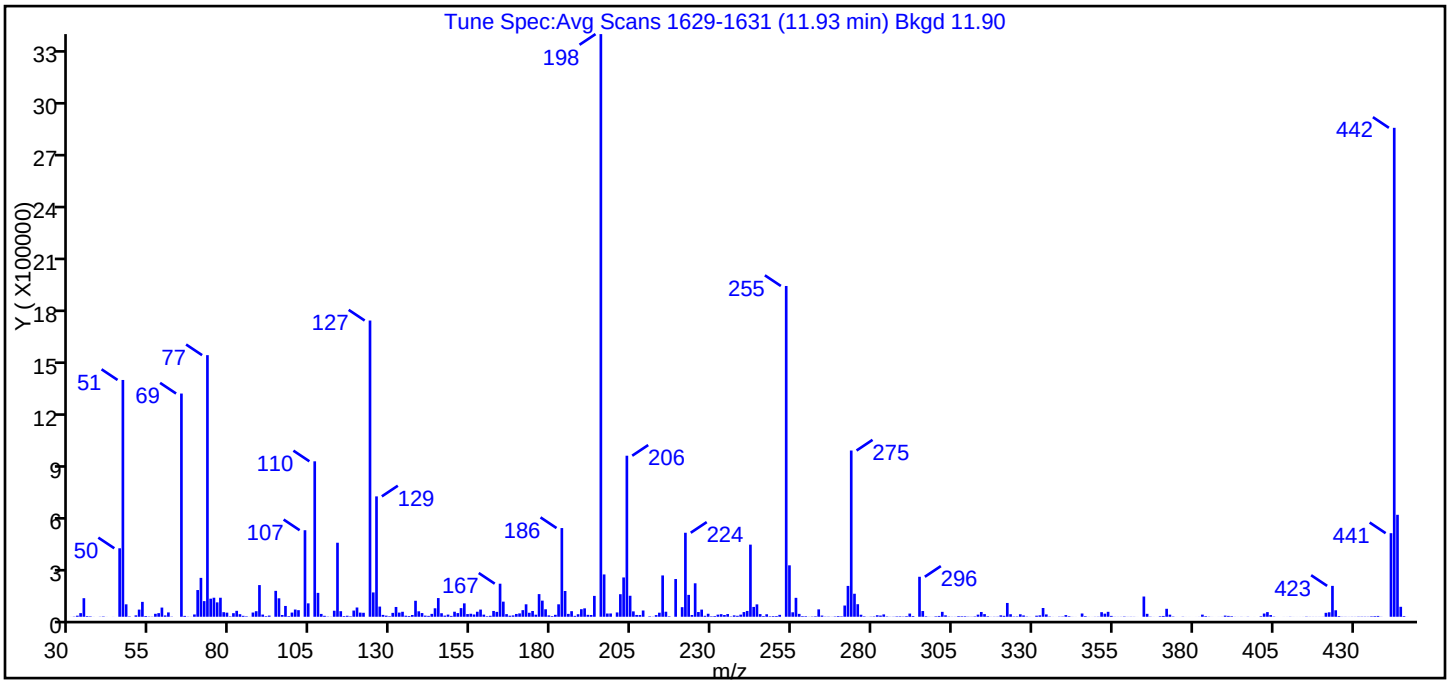
WARNING: Sample Limit Group Activation Date Newer Than Method Date
Please re-read the Limit Groups into the Method
Sample Activation Date: 01-Jan-2049 00:00:00
Method Activation Date: 10-Dec-2008 14:06:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.629	11.629	0.000	3200586		
82 DFTPP	198	11.927	11.932	-0.005	3580884		
86 Benzidine	184	13.119	13.119	0.000	11208978		
88 4,4'-DDD	235	13.841	13.846	-0.005	404589		
90 4,4'-DDT	235	14.398	14.399	-0.001	7062950		

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10452.D		
Inj Date:	21-Sep-2009 22:07:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49266	Lims Sample ID:	15
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.64
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.31
70	Less than 2.00% of mass 69	0.15 (0.39)
127	40.00 - 60.00% of mass 198	50.84
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.26
275	10.00 - 30.00% of mass 198	28.53
365	Greater than 1.00% of mass 198	3.47
441	Present, but less than mass 443%	14.35 (81.97)
442	Greater than 40.00% of mass 198	83.92
443	17.00 - 23.00% of mass 442	17.50 (20.86)

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10452.D\8270B.rslt\spectra.d
Injection Date: 21-Sep-2009 22:07:30
Spectrum: Tune Spec:Avg Scans 1629-1631 (11.93 min) Bkgd 11.90
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	106584	108.00	77048	181.00	42984	246.00	71120
50.00	392832	110.00	891712	185.00	71512	255.00	1897472
51.00	1358336	111.00	137024	186.00	508864	256.00	295104
52.00	71448	116.00	34688	187.00	147840	258.00	108616
56.00	41072	117.00	424704	192.00	43480	265.00	42464
57.00	85448	122.00	35616	193.00	48304	273.00	64480
63.00	52768	123.00	53184	196.00	119728	274.00	176960
69.00	1280512	127.00	1699328	198.00	3342336	275.00	953664
74.00	153280	128.00	139584	199.00	242816	276.00	132032
75.00	223104	129.00	690560	204.00	129464	277.00	72120
76.00	89800	130.00	58456	205.00	225536	296.00	229440
77.00	1500672	135.00	56208	206.00	923840	323.00	79192
78.00	103744	141.00	91800	207.00	120472	334.00	50320
79.00	109192	147.00	48696	211.00	36000	365.00	116136
80.00	82632	148.00	107320	217.00	237120	372.00	45760
81.00	109144	155.00	49632	221.00	216512	423.00	177152
86.00	34048	156.00	76880	223.00	55096	424.00	37312
93.00	181760	161.00	41280	224.00	481920	441.00	479488
98.00	148672	167.00	189760	225.00	125544	442.00	2804736
99.00	105928	168.00	86776	227.00	192000	443.00	584960
101.00	62024	174.00	38008	229.00	41160	444.00	57160
104.00	41432	175.00	71544	243.00	33440		
105.00	37808	179.00	129984	244.00	413824		
107.00	496448	180.00	92552	245.00	56520		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10511.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	23-Sep-2009 17:49:30	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:	49442	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 10:10:43	Calib Date:	23-Sep-2009 22:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10519.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	25-Sep-2009 10:10:43

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

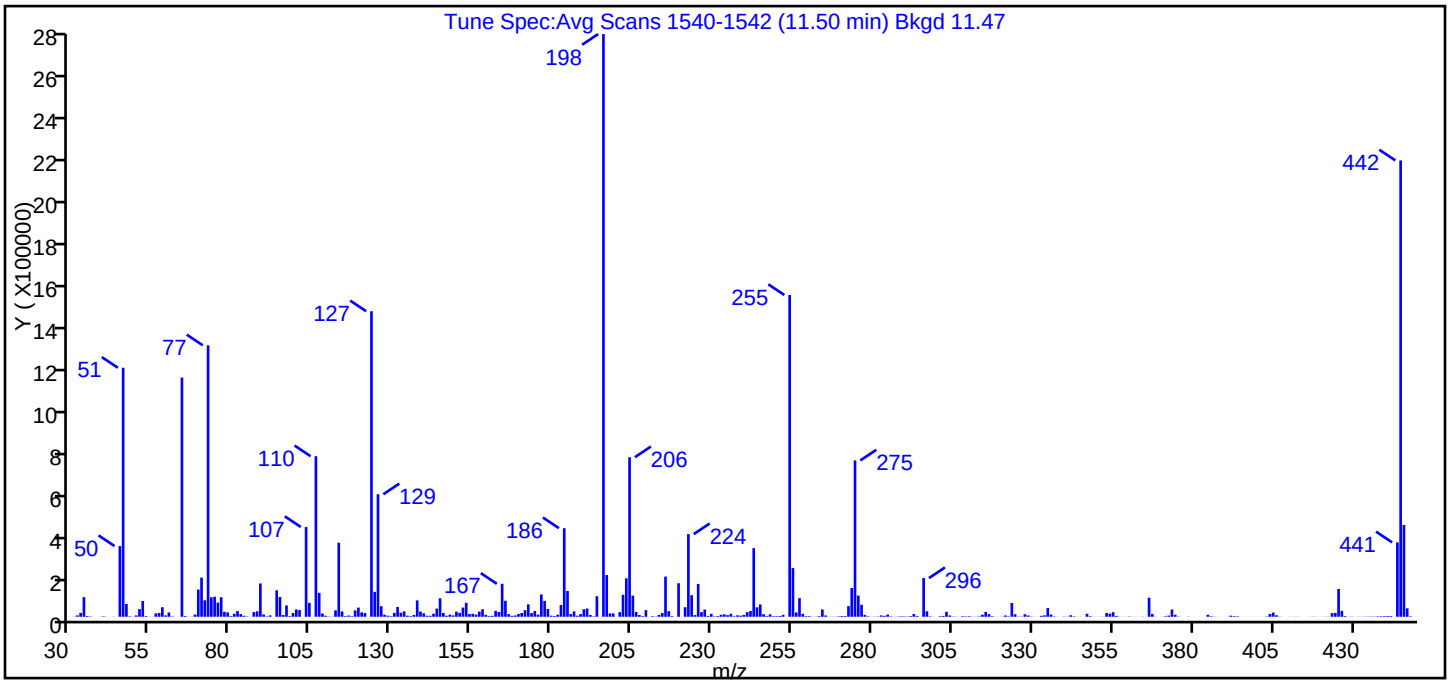
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.180	11.180	0.000	1958442		
82 DFTPP	198	11.502	11.502	0.000	2755818		
86 Benzidine	184	12.527	12.527	0.000	6780379		
88 4,4'-DDD	235	13.137	13.137	0.000	365069		
90 4,4'-DDT	235	13.585	13.585	0.000	4916347		

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

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10511.D		
Inj Date:	23-Sep-2009 17:49:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49442	Lims Sample ID:	1
Client ID:		Instrument:	Inst. B
Sample Info:	dftpp		
Sample Amount:	1.00 ul	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	42.74
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	41.06
70	Less than 2.00% of mass 69	0.14 (0.33)
127	40.00 - 60.00% of mass 198	52.44
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.16
275	10.00 - 30.00% of mass 198	26.83
365	Greater than 1.00% of mass 198	3.27
441	Present, but less than mass 443%	12.78 (81.08)
442	Greater than 40.00% of mass 198	78.32
443	17.00 - 23.00% of mass 442	15.76 (20.12)

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10511.D\8270B.rslt\spectra.d
Injection Date: 23-Sep-2009 17:49:30
Spectrum: Tune Spec:Avg Scans 1540-1542 (11.50 min) Bkgd 11.47
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	92256	108.00	65432	179.00	104832	244.00	322624
50.00	332480	110.00	754944	180.00	74688	245.00	44496
51.00	1170944	111.00	112672	181.00	36816	246.00	58056
52.00	60456	116.00	30112	185.00	55360	255.00	1512960
56.00	35976	117.00	347968	186.00	416576	256.00	228800
57.00	74424	122.00	29936	187.00	121240	258.00	87448
63.00	44920	123.00	43080	192.00	35096	265.00	34456
69.00	1124864	127.00	1436672	193.00	38824	273.00	49952
74.00	127904	128.00	117136	196.00	96552	274.00	135424
75.00	184064	129.00	576064	198.00	2739712	275.00	735168
76.00	77592	130.00	49672	199.00	196288	276.00	99744
77.00	1276416	135.00	46304	204.00	103408	277.00	56440
78.00	91600	141.00	76944	205.00	180544	296.00	181824
79.00	94312	147.00	38424	206.00	750336	323.00	64800
80.00	66736	148.00	87056	207.00	99432	334.00	41096
81.00	91880	155.00	43352	211.00	31088	365.00	89584
93.00	156608	156.00	65592	217.00	188992	372.00	34112
98.00	124360	161.00	35352	221.00	157696	423.00	130528
99.00	93136	165.00	27696	223.00	44856	424.00	28016
101.00	53312	167.00	155008	224.00	388608	441.00	350016
104.00	34528	168.00	75312	225.00	101288	442.00	2145792
105.00	31352	174.00	30992	227.00	154368	443.00	431680
107.00	422144	175.00	58240	229.00	34128	444.00	39664

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10522.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	23-Sep-2009 23:36:30	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:	49444	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\8270B.m		
Last Update:	25-Sep-2009 11:50:06	Calib Date:	23-Sep-2009 22:32:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10520.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	25-Sep-2009 10:43:51
Reviewed By:	sullivanp	Date:	25-Sep-2009 11:50:06

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

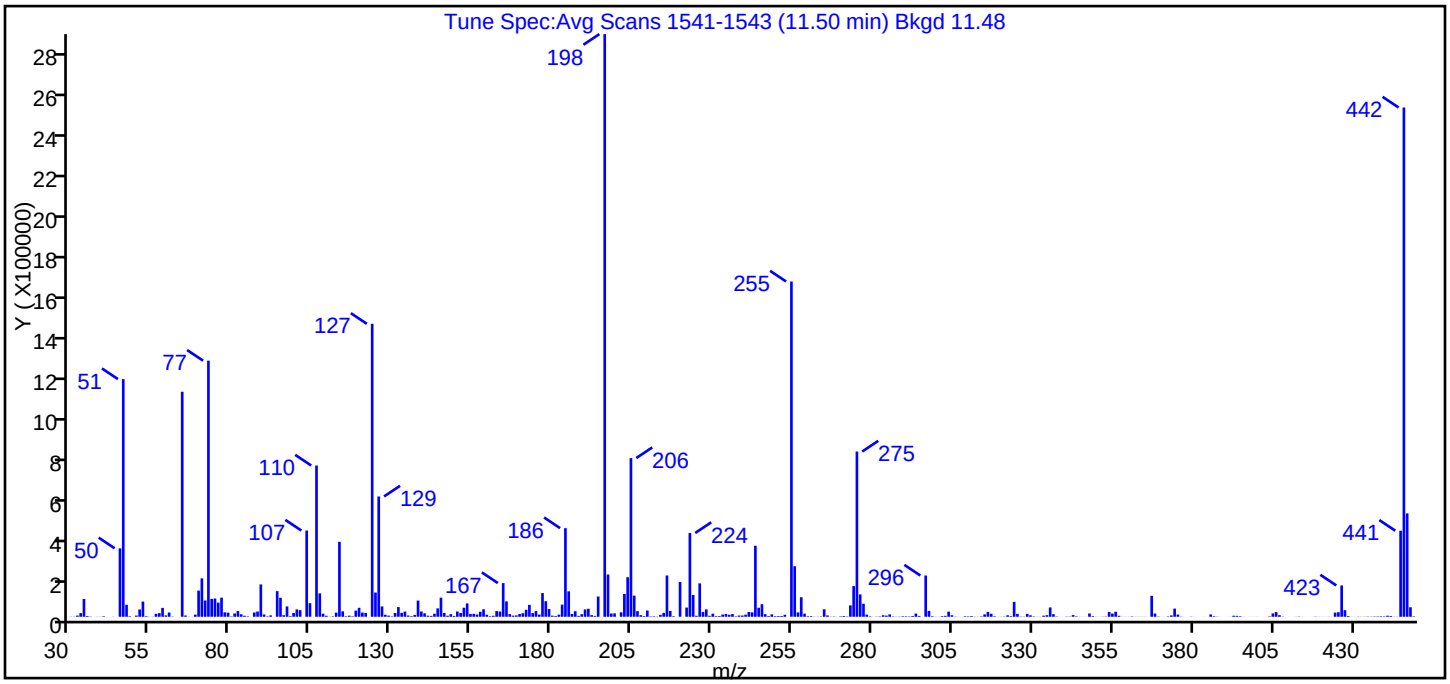
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	11.182	11.180	0.002	2405790		
82 DFTPP	198	11.504	11.502	0.002	2919860		
86 Benzidine	184	12.528	12.527	0.001	8977471		
88 4,4'-DDD	235	13.134	13.137	-0.003	401302		
90 4,4'-DDT	235	13.586	13.585	0.001	5646014		

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

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090924-2.b\B10522.D		
Inj Date:	23-Sep-2009 23:36:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49444	Lims Sample ID:	15
Client ID:		Instrument:	Inst. B
Sample Info:	DFTPP		
Sample Amount:	1.00 ul	Operator:	MZ

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.79
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.62
70	Less than 2.00% of mass 69	0.22 (0.57)
127	40.00 - 60.00% of mass 198	50.28
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.25
275	10.00 - 30.00% of mass 198	28.36
365	Greater than 1.00% of mass 198	3.60
441	Present, but less than mass 443%	14.77 (83.25)
442	Greater than 40.00% of mass 198	87.40
443	17.00 - 23.00% of mass 442	17.74 (20.29)

Report Date: 25-Sep-2009 11:50:07 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090924-2.b\B10522.D\8270B.rslt\spectra.d
Injection Date: 23-Sep-2009 23:36:30
Spectrum: Tune Spec:Avg Scans 1541-1543 (11.50 min) Bkgd 11.48
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	88032	108.00	67264	181.00	38152	246.00	62280
50.00	338560	110.00	748224	185.00	60032	255.00	1658368
51.00	1175552	111.00	115664	186.00	438272	256.00	250048
52.00	59088	117.00	370688	187.00	125688	258.00	96608
56.00	36152	122.00	30392	192.00	36384	265.00	37144
57.00	75176	123.00	44472	193.00	39584	273.00	56336
63.00	43936	127.00	1448960	196.00	100368	274.00	151872
69.00	1113088	128.00	119952	198.00	2882048	275.00	817408
74.00	129400	129.00	595072	199.00	209024	276.00	110416
75.00	189952	130.00	51032	204.00	113168	277.00	64480
76.00	80592	135.00	48064	205.00	195712	296.00	203968
77.00	1266688	141.00	80088	206.00	784960	323.00	73728
78.00	88488	147.00	41424	207.00	104528	334.00	46200
79.00	90160	148.00	94480	211.00	30896	365.00	103696
80.00	69984	155.00	44720	217.00	204288	372.00	40352
81.00	94480	156.00	66096	221.00	172224	423.00	154880
93.00	160000	161.00	37064	223.00	45592	424.00	32656
98.00	126896	167.00	166656	224.00	414400	441.00	425600
99.00	93888	168.00	76136	225.00	107624	442.00	2519040
101.00	51152	174.00	34344	227.00	165184	443.00	511232
104.00	36472	175.00	59040	229.00	36632	444.00	47168
105.00	32736	179.00	117192	244.00	351168		
107.00	426496	180.00	77120	245.00	44592		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02880.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	10-Sep-2009 12:50:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	360-0001128-001		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	48803	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\8270NDMA.m		
Last Update:	10-Sep-2009 13:43:16	Calib Date:	01-Sep-2009 16:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090901-1.b\J02783.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	10-Sep-2009 13:43:16

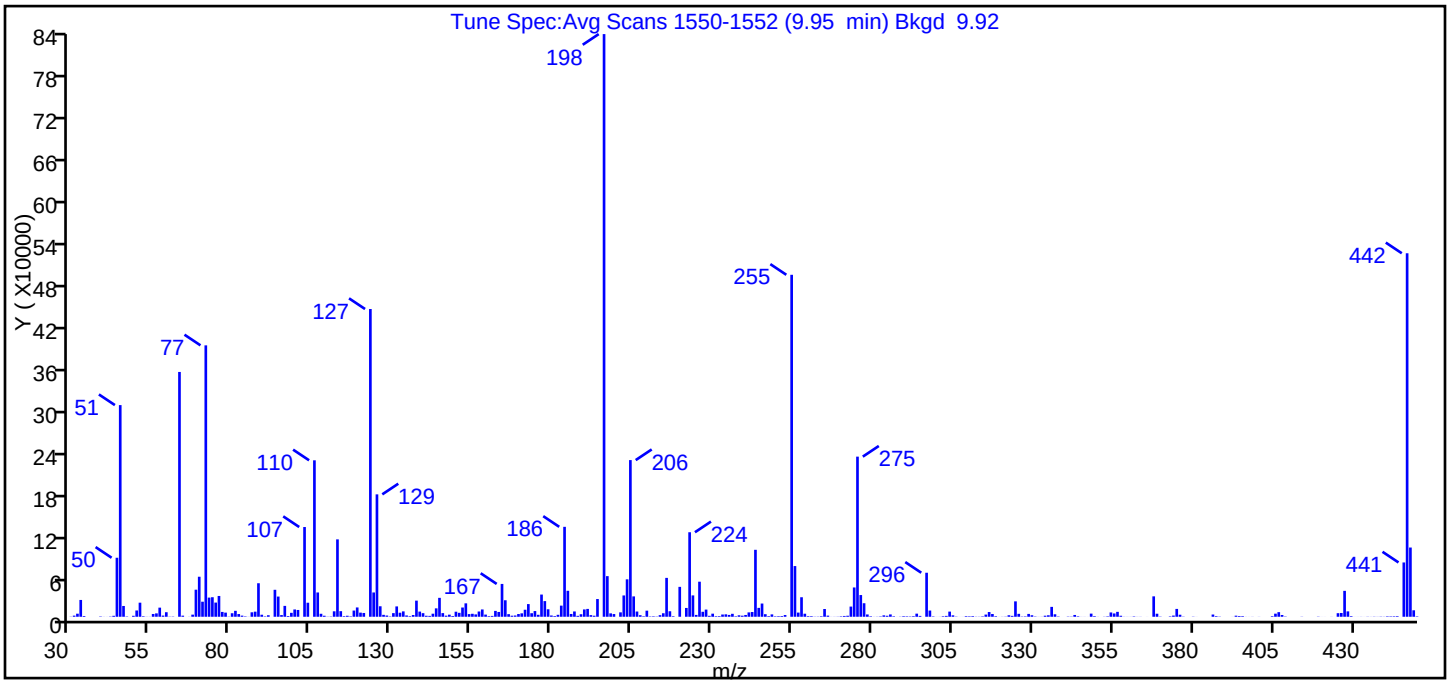
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	9.489	9.489	0.000	664790		
82 DFTPP	198	9.946	9.946	0.000	895858		
86 Benzidine	184	11.009	11.009	0.000	1184625		
88 4,4'-DDD	235	11.533	11.533	0.000	364782		
90 4,4'-DDT	235	11.836	11.836	0.000	1022296		

Chrom Revision: 1.0.2009.827

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02880.D		
Inj Date:	10-Sep-2009 12:50:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	1
Client ID:		Instrument:	Inst. J
Sample Info:	dftpp		
Sample Amount:	1.00 uL	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	36.33
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	42.02
70	Less than 2.00% of mass 69	0.19 (0.45)
127	40.00 - 60.00% of mass 198	52.82
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.97
275	10.00 - 30.00% of mass 198	27.48
365	Greater than 1.00% of mass 198	3.50
441	Present, but less than mass 443%	9.32 (78.44)
442	Greater than 40.00% of mass 198	62.39
443	17.00 - 23.00% of mass 442	11.88 (19.05)

Report Date: 10-Sep-2009 13:43:17 Chrom Revision: 1.0.2009.827

Data File: \\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02880.D\8270NDMA.rslt\spectra.d
Injection Date: 10-Sep-2009 12:50:30
Spectrum: Tune Spec:Avg Scans 1550-1552 (9.95 min) Bkgd 9.92
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	23992	107.00	128048	179.00	31696	244.00	95544
50.00	84208	108.00	20032	180.00	22352	245.00	12683
51.00	302016	110.00	223232	181.00	10705	246.00	18880
52.00	15396	111.00	34672	185.00	15886	255.00	487936
56.00	8975	117.00	110440	186.00	128328	256.00	72336
57.00	20104	122.00	8867	187.00	37080	258.00	27856
63.00	13017	123.00	13302	192.00	10468	265.00	11089
69.00	349312	127.00	439104	193.00	11201	273.00	14540
74.00	38624	128.00	34672	196.00	25296	274.00	41800
75.00	57120	129.00	174656	198.00	831360	275.00	228480
76.00	21488	130.00	14986	199.00	57968	276.00	30984
77.00	387264	135.00	14780	204.00	30424	277.00	19312
78.00	27344	141.00	23016	205.00	53416	296.00	62816
79.00	27880	147.00	12015	206.00	223552	297.00	8876
80.00	20248	148.00	27000	207.00	29064	323.00	21984
81.00	29672	155.00	13209	211.00	8701	334.00	14104
86.00	8474	156.00	19168	217.00	55480	365.00	29136
93.00	47840	161.00	10425	221.00	42672	372.00	11199
98.00	38488	165.00	8370	223.00	12580	423.00	36968
99.00	28832	167.00	46856	224.00	120600	441.00	77488
101.00	15525	168.00	23552	225.00	30496	442.00	518656
104.00	10412	174.00	10031	227.00	50040	443.00	98792
105.00	9706	175.00	18088	229.00	10248	444.00	9244

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02882.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	10-Sep-2009 16:26:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	360-0001128-013		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	48803	Lims Sample ID:	13
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\8270NDMA.m		
Last Update:	10-Sep-2009 17:45:07	Calib Date:	01-Sep-2009 16:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090901-1.b\J02783.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	10-Sep-2009 17:45:07

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	9.373	9.373	0.000	638647		
82 DFTPP	198	9.839	9.839	0.000	1025162		
86 Benzidine	184	10.893	10.893	0.000	2455125		
88 4,4'-DDD	235	11.417	11.417	0.000	385146		
90 4,4'-DDT	235	11.715	11.715	0.000	1718582		

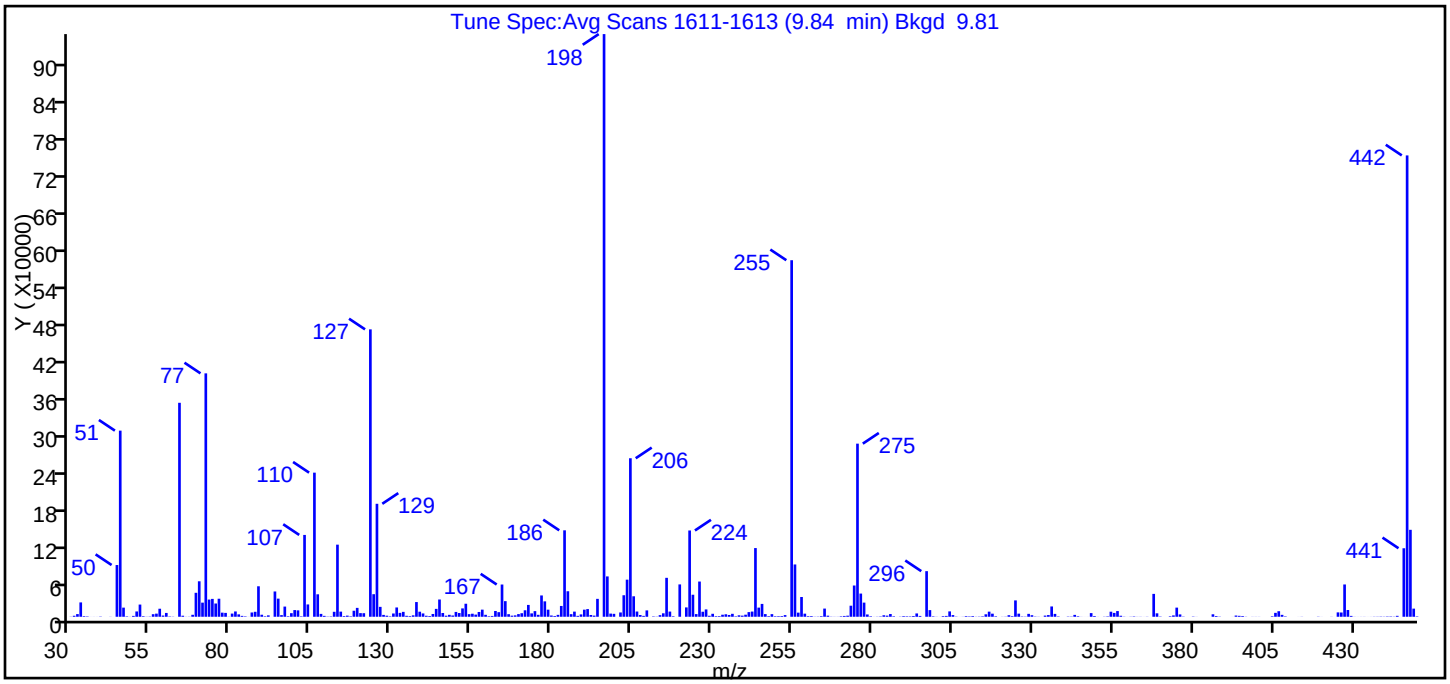
Report Date: 10-Sep-2009 17:45:07

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02882.D		
Inj Date:	10-Sep-2009 16:26:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48803	Lims Sample ID:	13
Client ID:		Instrument:	Inst. J
Sample Info:	dftpp		
Sample Amount:	1.00 uL	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	31.94
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	36.72
70	Less than 2.00% of mass 69	0.18 (0.49)
127	40.00 - 60.00% of mass 198	49.33
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.92
275	10.00 - 30.00% of mass 198	29.71
365	Greater than 1.00% of mass 198	3.93
441	Present, but less than mass 443%	11.76 (78.79)
442	Greater than 40.00% of mass 198	79.18
443	17.00 - 23.00% of mass 442	14.92 (18.85)

Report Date: 10-Sep-2009 17:45:07 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02882.D\8270NDMA.rslt\spectra.d
Injection Date: 10-Sep-2009 16:26:30
Spectrum: Tune Spec:Avg Scans 1611-1613 (9.84 min) Bkgd 9.81
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	23160	110.00	232512	185.00	17432	255.00	575232
50.00	83480	111.00	36248	186.00	139456	256.00	84384
51.00	300288	117.00	116336	187.00	41184	258.00	31888
52.00	14741	122.00	9721	192.00	11451	265.00	13210
57.00	19688	123.00	14335	193.00	12397	273.00	17840
63.00	12960	127.00	463680	196.00	28896	274.00	50432
69.00	345216	128.00	36416	198.00	940032	275.00	279296
74.00	38672	129.00	182272	199.00	65096	276.00	37432
75.00	57248	130.00	15977	204.00	34744	277.00	22832
76.00	22784	135.00	14999	205.00	59864	296.00	73584
77.00	392704	141.00	23736	206.00	255744	297.00	10722
78.00	27752	147.00	12723	207.00	33040	323.00	26400
79.00	28840	148.00	27872	211.00	10270	334.00	16624
80.00	21392	155.00	13492	217.00	62824	365.00	36928
81.00	29104	156.00	21024	221.00	52200	372.00	14756
93.00	49192	161.00	11495	223.00	15098	423.00	52120
98.00	40816	167.00	52032	224.00	139200	424.00	10899
99.00	29256	168.00	25192	225.00	35536	441.00	110536
101.00	16440	174.00	10454	227.00	56832	442.00	744320
104.00	10792	175.00	19112	229.00	11853	443.00	140288
105.00	10338	179.00	34392	244.00	110832	444.00	13128
107.00	132032	180.00	24872	245.00	14761		
108.00	19896	181.00	11451	246.00	20744		

Report Date: 15-Sep-2009 08:59:05 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02915.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	12-Sep-2009 10:45:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	360-0001151-001		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	48876	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\8270NDMA.m		
Last Update:	15-Sep-2009 08:59:04	Calib Date:	10-Sep-2009 20:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02891.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	rachtank	Date:	12-Sep-2009 11:25:41
Reviewed By:	sullivanp	Date:	15-Sep-2009 08:59:04

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	9.247	9.247	0.000	754185		
82 DFTPP	198	9.723	9.723	0.000	1229440		A
86 Benzidine	184	10.766	10.766	0.000	2495762		
88 4,4'-DDD	235	11.286	11.286	0.000	476338		
90 4,4'-DDT	235	11.584	11.584	0.000	1943908		

QC Flag Legend

Review Flags
A - User Assigned ID

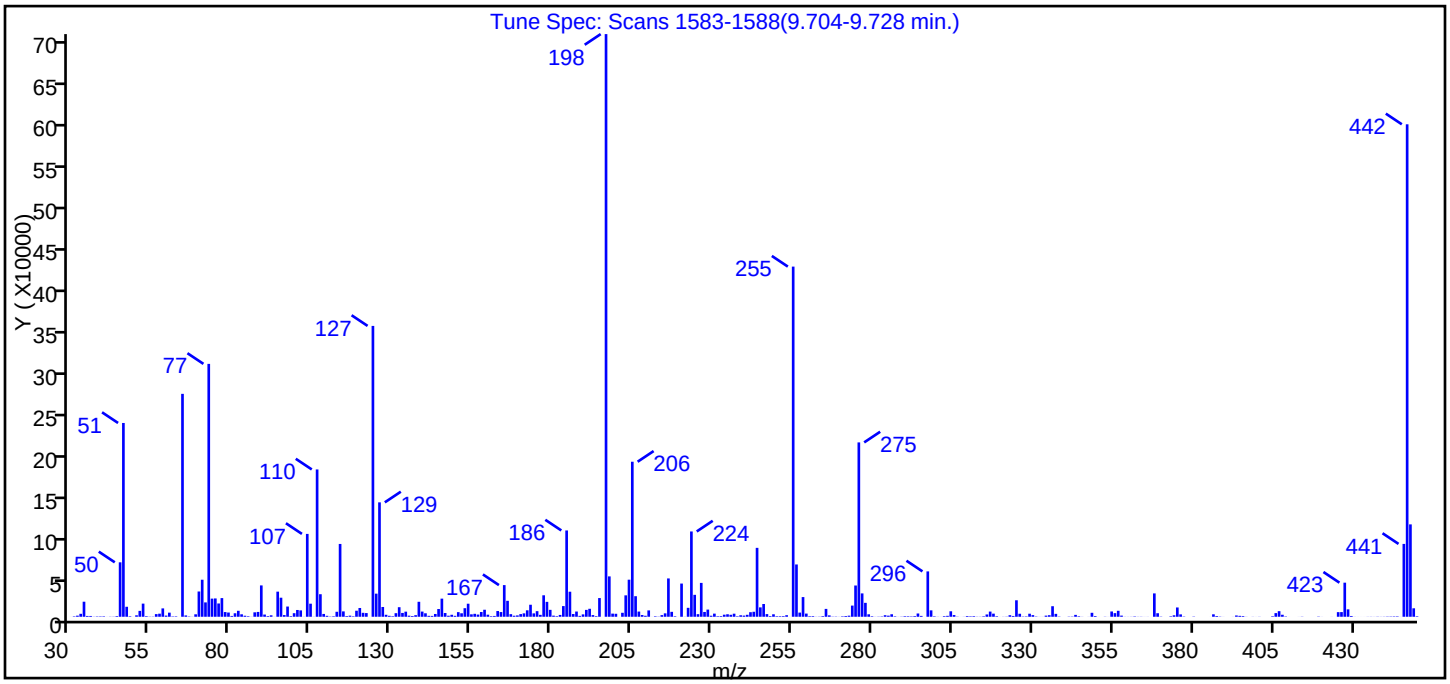
Report Date: 15-Sep-2009 08:59:05

Chrom Revision: 1.0.2009.910

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02915.D		
Inj Date:	12-Sep-2009 10:45:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	48876	Lims Sample ID:	1
Client ID:		Instrument:	Inst. J
Sample Info:	DFTPP		
Sample Amount:	1.00 uL	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	33.26
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.26
70	Less than 2.00% of mass 69	0.23 (0.60)
127	40.00 - 60.00% of mass 198	49.92
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.93
275	10.00 - 30.00% of mass 198	29.93
365	Greater than 1.00% of mass 198	4.01
441	Present, but less than mass 443%	12.50 (78.86)
442	Greater than 40.00% of mass 198	84.52
443	17.00 - 23.00% of mass 442	15.86 (18.76)

Report Date: 15-Sep-2009 08:59:05 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02915.D\8270NDMA.rslt\spectra.d
Injection Date: 12-Sep-2009 10:45:30
Spectrum: Tune Spec: Scans 1583-1588(9.704-9.728 min.)
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	18104	108.00	15710	185.00	12845	256.00	62872
50.00	65448	110.00	177088	186.00	103752	258.00	23664
51.00	232960	111.00	27104	187.00	30112	265.00	9457
52.00	12020	117.00	87536	192.00	8268	273.00	13435
56.00	7083	122.00	7261	193.00	9596	274.00	37584
57.00	15802	123.00	10547	196.00	22488	275.00	209600
63.00	10071	127.00	349632	198.00	700416	276.00	28088
69.00	267968	128.00	27784	199.00	48536	277.00	16744
74.00	30384	129.00	137536	204.00	25752	296.00	54536
75.00	44528	130.00	11753	205.00	44568	297.00	7705
76.00	17280	135.00	11504	206.00	186368	323.00	19824
77.00	304000	141.00	18016	207.00	24728	334.00	12675
78.00	21824	147.00	9303	211.00	7643	354.00	7189
79.00	22024	148.00	21792	217.00	46080	365.00	28088
80.00	15970	155.00	10302	221.00	39928	372.00	11177
81.00	22440	156.00	15693	223.00	10750	423.00	40984
86.00	7181	161.00	8441	224.00	102544	424.00	8927
93.00	37696	167.00	38064	225.00	26368	441.00	87584
98.00	30184	168.00	19184	227.00	40712	442.00	592000
99.00	22912	174.00	7774	229.00	8630	443.00	111056
101.00	12295	175.00	14463	244.00	82840	444.00	10181
104.00	8156	179.00	25816	245.00	11291		
105.00	7669	180.00	17920	246.00	15347		
107.00	99608	181.00	8326	255.00	420928		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03039.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	21-Sep-2009 14:57:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49259	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:50:03	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 14:50:03

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	10.641	10.641	0.000	411530		
82 DFTPP	198	11.170	11.170	0.000	515422		
86 Benzidine	184	12.146	12.146	0.000	1093630		
88 4,4'-DDD	235	12.665	12.665	0.000	29213		
90 4,4'-DDT	235	12.959	12.959	0.000	1198068		

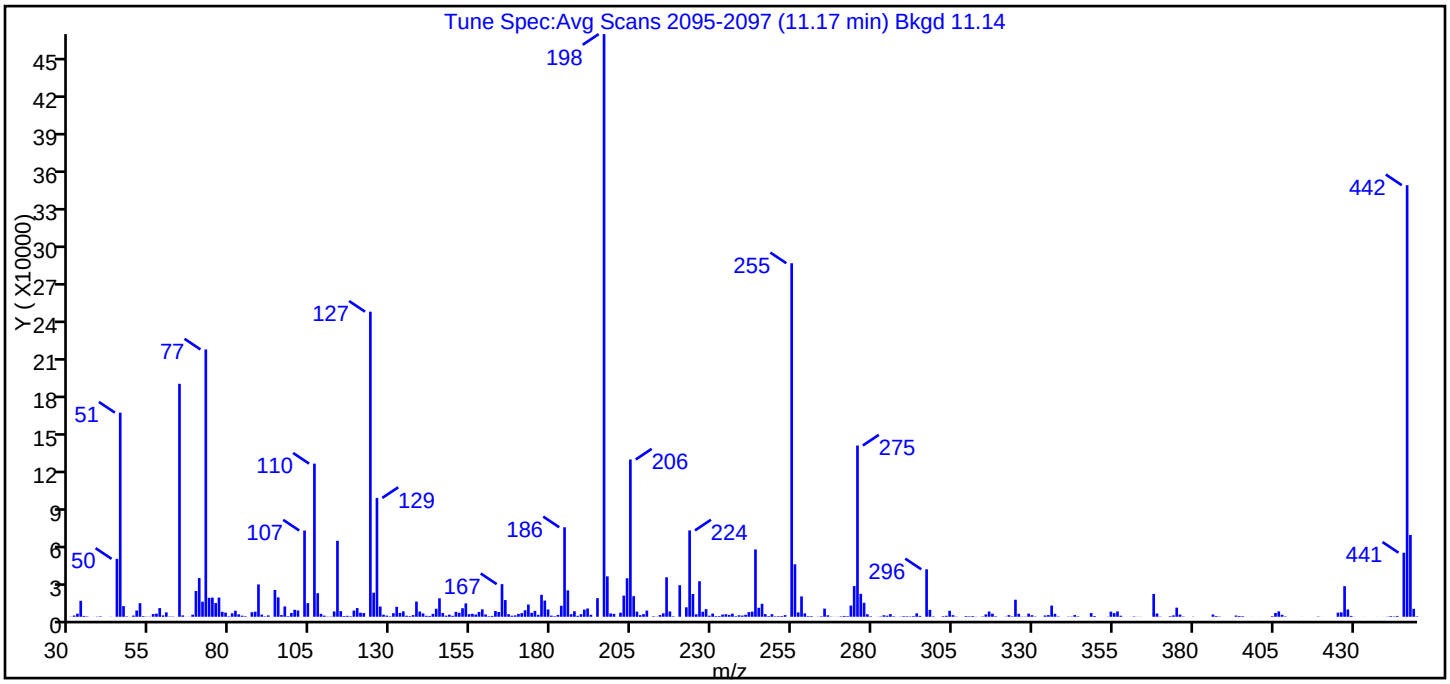
Report Date: 23-Sep-2009 14:50:03

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

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03039.D		
Inj Date:	21-Sep-2009 14:57:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49259	Lims Sample ID:	1
Client ID:		Instrument:	Inst. J
Sample Info:	DFTPP		
Sample Amount:	1.00 ul	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.04
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.98
70	Less than 2.00% of mass 69	0.24 (0.59)
127	40.00 - 60.00% of mass 198	52.36
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.94
275	10.00 - 30.00% of mass 198	29.39
365	Greater than 1.00% of mass 198	3.92
441	Present, but less than mass 443%	11.00 (78.29)
442	Greater than 40.00% of mass 198	74.07
443	17.00 - 23.00% of mass 442	14.04 (18.96)

Report Date: 23-Sep-2009 14:50:03 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03039.D\8270NDMA.rslt\spectra.d
Injection Date: 21-Sep-2009 14:57:30
Spectrum: Tune Spec:Avg Scans 2095-2097 (11.17 min) Bkgd 11.14
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 94

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	12760	108.00	10925	181.00	5828	255.00	282624
50.00	46296	110.00	122424	185.00	8793	256.00	41944
51.00	163200	111.00	18848	186.00	71552	258.00	16289
52.00	8507	117.00	60744	187.00	21120	265.00	6514
56.00	5013	122.00	4918	192.00	5736	273.00	8973
57.00	10845	123.00	6965	193.00	6621	274.00	24528
63.00	6947	127.00	243904	196.00	14906	275.00	136896
69.00	186240	128.00	19256	198.00	465792	276.00	18360
74.00	20616	129.00	95008	199.00	32304	277.00	11141
75.00	30944	130.00	8194	204.00	16912	296.00	37952
76.00	12062	135.00	7956	205.00	30792	297.00	5513
77.00	213696	141.00	12148	206.00	125720	303.00	4785
78.00	15138	147.00	6406	207.00	16448	323.00	13613
79.00	15335	148.00	14760	211.00	4941	334.00	8947
80.00	10969	155.00	6832	217.00	31584	365.00	18256
81.00	15343	156.00	10706	221.00	25240	372.00	7277
86.00	4808	161.00	5956	223.00	7594	423.00	24464
93.00	25848	167.00	26088	224.00	69024	424.00	5858
98.00	21440	168.00	13353	225.00	18184	441.00	51216
99.00	15490	174.00	5217	227.00	28400	442.00	345024
101.00	8245	175.00	9768	229.00	6108	443.00	65416
104.00	5580	177.00	4711	244.00	53824	444.00	6323
105.00	5037	179.00	17560	245.00	7194		
107.00	68952	180.00	12910	246.00	10395		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03053.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	21-Sep-2009 21:14:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49260	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:04:14	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 15:04:14

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

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

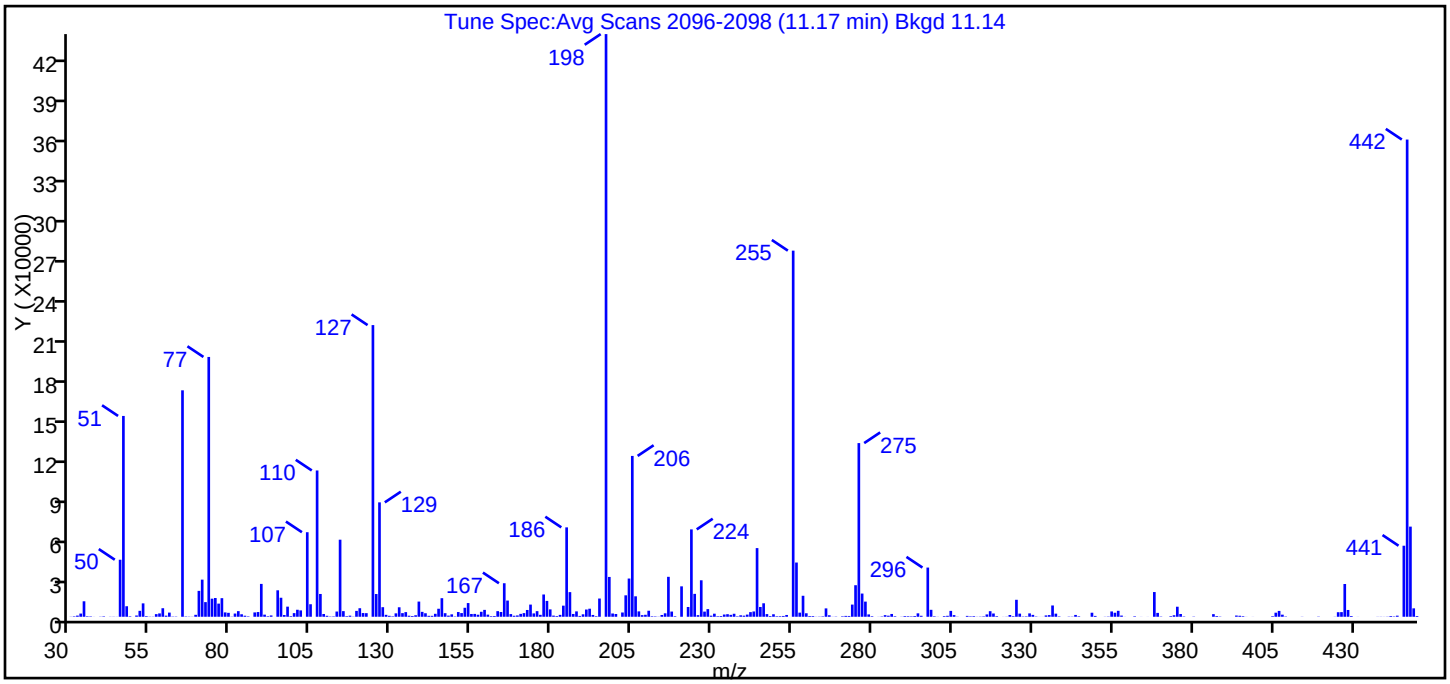
Report Date: 23-Sep-2009 15:04:15

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

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03053.D		
Inj Date:	21-Sep-2009 21:14:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	15
Client ID:		Instrument:	Inst. J
Sample Info:	DFTPP		
Sample Amount:	1.00 ul	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	34.47
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.86
70	Less than 2.00% of mass 69	0.06 (0.15)
127	40.00 - 60.00% of mass 198	50.06
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.83
275	10.00 - 30.00% of mass 198	29.81
365	Greater than 1.00% of mass 198	4.24
441	Present, but less than mass 443%	12.19 (78.81)
442	Greater than 40.00% of mass 198	81.90
443	17.00 - 23.00% of mass 442	15.47 (18.89)

Report Date: 23-Sep-2009 15:04:15 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03053.D\8270NDMA.rslt\spectra.d
Injection Date: 21-Sep-2009 21:14:30
Spectrum: Tune Spec:Avg Scans 2096-2098 (11.17 min) Bkgd 11.14
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 94

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	11608	110.00	109656	186.00	67008	258.00	15739
50.00	42752	111.00	17088	187.00	18472	265.00	6286
51.00	150528	117.00	57768	192.00	5428	273.00	9136
52.00	7896	122.00	4405	193.00	6038	274.00	23648
56.00	4452	123.00	6405	196.00	13672	275.00	130176
57.00	10042	127.00	218624	198.00	436736	276.00	17400
63.00	6406	128.00	17048	199.00	29848	277.00	11357
69.00	169728	129.00	85752	204.00	16075	296.00	36880
74.00	19408	130.00	7182	205.00	28656	297.00	5216
75.00	27832	135.00	7119	206.00	120560	303.00	4408
76.00	10985	141.00	11390	207.00	15338	323.00	12725
77.00	194752	147.00	6014	211.00	4523	334.00	8468
78.00	13568	148.00	13922	217.00	29944	354.00	4462
79.00	14058	155.00	6741	221.00	22808	365.00	18536
80.00	9857	156.00	10276	223.00	7329	372.00	7522
81.00	13940	161.00	5165	224.00	65496	403.00	4386
93.00	24632	167.00	25128	225.00	17168	423.00	24560
98.00	19840	168.00	12152	227.00	27344	424.00	5093
99.00	14256	174.00	5091	229.00	5735	441.00	53248
101.00	7584	175.00	9132	244.00	51472	442.00	357696
104.00	5254	179.00	16704	245.00	7344	443.00	67568
105.00	4776	180.00	11879	246.00	10108	444.00	6315
107.00	63376	181.00	5536	255.00	274432		
108.00	9392	185.00	8326	256.00	40648		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03090.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	23-Sep-2009 14:44:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49396	Lims Sample ID:	1
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	24-Sep-2009 15:15:50	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	24-Sep-2009 15:15:50

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	13.031	13.031	0.000	377926		
82 DFTPP	198	13.387	13.387	0.000	446888		A
86 Benzidine	184	14.531	14.531	0.000	1216565		
88 4,4'-DDD	235	15.094	15.094	0.000	67358		
90 4,4'-DDT	235	15.421	15.421	0.000	900790		

QC Flag Legend

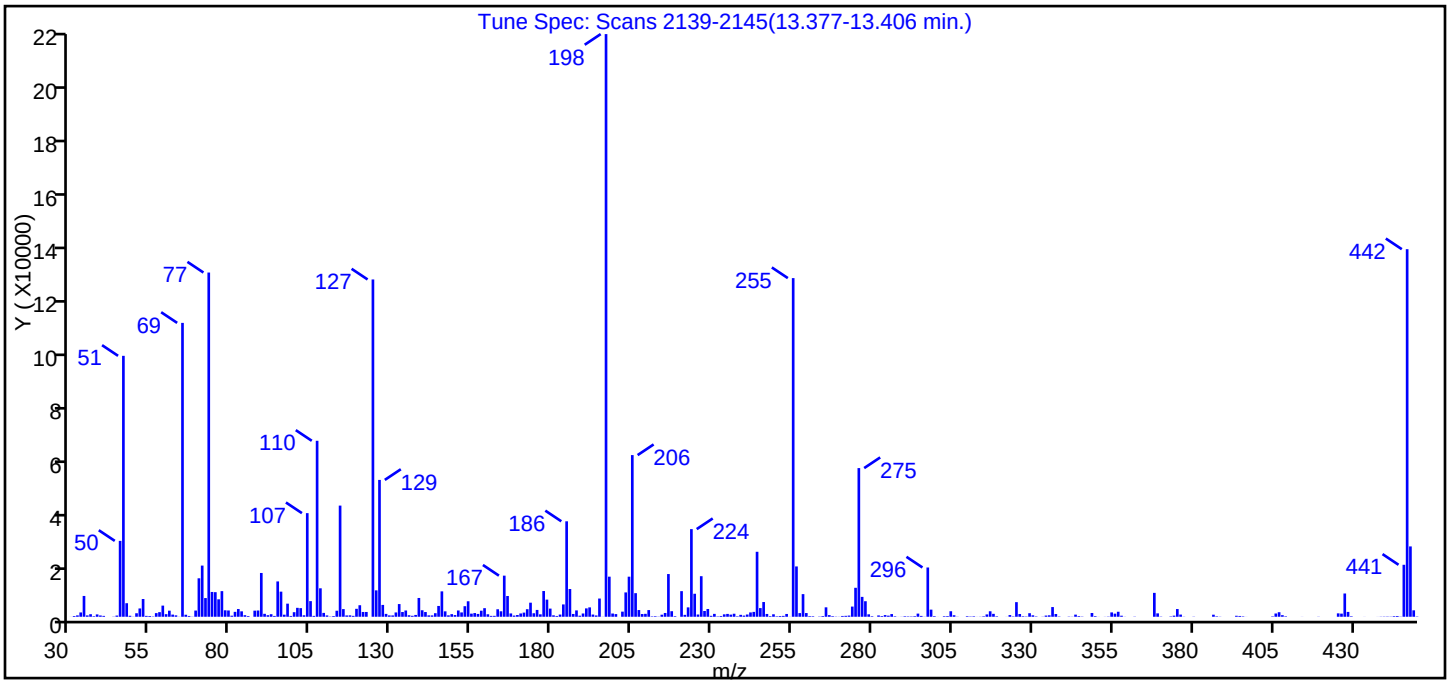
Review Flags
A - User Assigned ID

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

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03090.D		
Inj Date:	23-Sep-2009 14:44:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49396	Lims Sample ID:	1
Client ID:		Instrument:	Inst. J
Sample Info:	DFTPP		
Sample Amount:	1.00 ul	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	44.78
68	Less than 2.00% of mass 69	0.02 (0.04)
69	Mass 69 relative abundance	50.44
70	Less than 2.00% of mass 69	0.35 (0.69)
127	40.00 - 60.00% of mass 198	57.89
197	Less than 1.00% of mass 198	0.02
199	5.00 - 9.00% of mass 198	6.88
275	10.00 - 30.00% of mass 198	25.52
365	Greater than 1.00% of mass 198	4.10
441	Present, but less than mass 443%	8.92 (73.90)
442	Greater than 40.00% of mass 198	63.08
443	17.00 - 23.00% of mass 442	12.07 (19.14)

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03090.D\8270NDMA.rslt\spectra.d
Injection Date: 23-Sep-2009 14:44:30
Spectrum: Tune Spec: Scans 2139-2145(13.377-13.406 min.)
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 107

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	7636	104.00	3278	167.00	15085	225.00	8441
50.00	27840	105.00	3164	168.00	7617	227.00	14885
51.00	95728	107.00	38016	174.00	2774	229.00	2854
52.00	4971	108.00	5736	175.00	5165	244.00	23840
56.00	3050	110.00	64560	177.00	2508	245.00	3181
57.00	6515	111.00	10444	179.00	9445	246.00	5405
63.00	4092	116.00	2214	180.00	6290	255.00	124240
65.00	2237	117.00	40784	181.00	2996	256.00	18464
69.00	107816	118.00	2814	185.00	4530	258.00	8308
73.00	2279	122.00	2917	186.00	35024	265.00	3464
74.00	14114	123.00	4233	187.00	10185	273.00	3739
75.00	18776	127.00	123744	189.00	2333	274.00	10628
76.00	6862	128.00	9692	192.00	3076	275.00	54544
77.00	126288	129.00	50208	193.00	3443	276.00	7295
78.00	9099	130.00	4347	196.00	6689	277.00	5701
79.00	9023	135.00	4662	198.00	213760	296.00	18080
80.00	6406	137.00	2300	199.00	14708	297.00	2618
81.00	9403	141.00	6894	204.00	8932	323.00	5364
82.00	2373	142.00	2389	205.00	14705	334.00	3559
83.00	2309	147.00	3967	206.00	59312	365.00	8768
86.00	2837	148.00	9322	207.00	8659	372.00	2833
91.00	2245	153.00	2307	208.00	2464	423.00	8538
92.00	2302	155.00	3878	211.00	2450	441.00	19072
93.00	16067	156.00	5685	217.00	15673	442.00	134848
98.00	12966	160.00	2228	221.00	9400	443.00	25808
99.00	9215	161.00	3152	223.00	3447	444.00	2364
101.00	4811	165.00	2752	224.00	32160		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03100.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	23-Sep-2009 21:55:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	360-00001278-012		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	49397	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	26-Sep-2009 11:02:52	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	25-Sep-2009 16:51:48
Reviewed By:	rachtank	Date:	26-Sep-2009 11:02:52

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

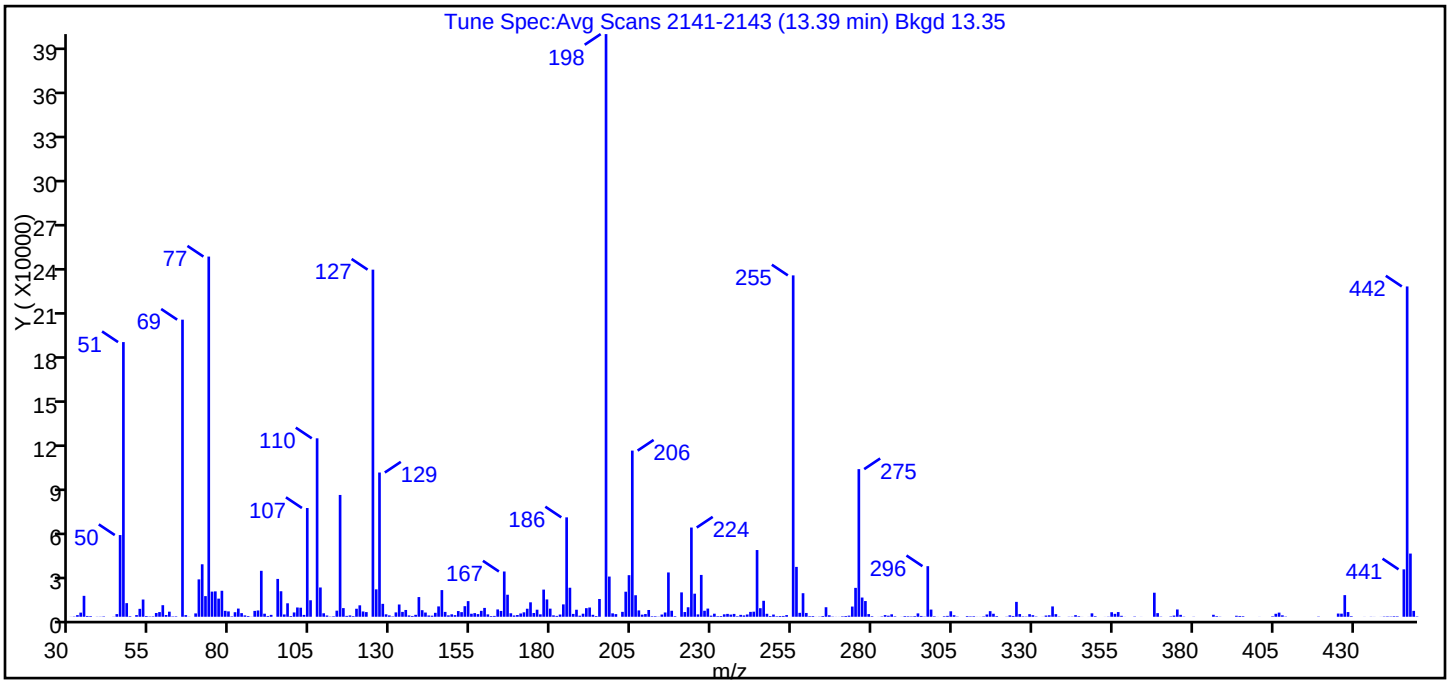
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
78 Pentachlorophenol	266	13.034	13.030	0.004	301795		
82 DFTPP	198	13.390	13.390	0.000	427312		
86 Benzidine	184	14.534	14.531	0.003	1317727		
88 4,4'-DDD	235	15.097	15.094	0.003	203059		
90 4,4'-DDT	235	15.424	15.424	0.000	572067		

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

MS Tune Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03100.D		
Inj Date:	23-Sep-2009 21:55:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49397	Lims Sample ID:	12
Client ID:		Instrument:	Inst. J
Sample Info:	DFTPP		
Sample Amount:	1.00 ul	Operator:	

82 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	47.14
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	50.99
70	Less than 2.00% of mass 69	0.28 (0.55)
127	40.00 - 60.00% of mass 198	59.57
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.90
275	10.00 - 30.00% of mass 198	25.34
365	Greater than 1.00% of mass 198	4.13
441	Present, but less than mass 443%	8.14 (75.03)
442	Greater than 40.00% of mass 198	56.69
443	17.00 - 23.00% of mass 442	10.85 (19.13)

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03100.D\8270NDMA.rslt\spectra.d
Injection Date: 23-Sep-2009 21:55:30
Spectrum: Tune Spec:Avg Scans 2141-2143 (13.39 min) Bkgd 13.35
Base Peak: 198.00
Minimum % Base Peak: 1
Number of Points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	14032	108.00	11074	175.00	9696	228.00	4029
50.00	54792	110.00	119664	177.00	4742	229.00	5493
51.00	184192	111.00	19640	179.00	18224	244.00	44744
52.00	9134	116.00	4093	180.00	11623	245.00	5748
56.00	5316	117.00	81688	181.00	5448	246.00	10714
57.00	11567	118.00	5809	185.00	8310	255.00	228928
63.00	7762	122.00	5379	186.00	66664	256.00	33440
69.00	199232	123.00	7677	187.00	19472	258.00	15796
74.00	25072	127.00	232768	189.00	4714	265.00	6398
75.00	35200	128.00	18392	192.00	5771	273.00	6847
76.00	13856	129.00	96728	193.00	6202	274.00	19376
77.00	241536	130.00	8666	196.00	11924	275.00	99000
78.00	16864	135.00	8230	198.00	390720	276.00	12897
79.00	17024	137.00	4556	199.00	26960	277.00	10536
80.00	12160	141.00	13209	204.00	16800	296.00	33928
81.00	17432	142.00	4418	205.00	27888	297.00	4830
82.00	3986	147.00	6946	206.00	111424	323.00	9987
86.00	5494	148.00	17888	207.00	14437	334.00	6937
91.00	3946	155.00	7102	208.00	4279	365.00	16126
92.00	4233	156.00	10491	211.00	4543	372.00	4894
93.00	30816	160.00	3978	217.00	29720	423.00	14512
98.00	25376	161.00	5943	218.00	4032	441.00	31800
99.00	17120	165.00	4923	221.00	16351	442.00	221504
101.00	9039	166.00	3909	223.00	6370	443.00	42384
104.00	6223	167.00	30360	224.00	59840	444.00	3948
105.00	6077	168.00	14781	225.00	15478		
107.00	72936	174.00	5387	227.00	28056		

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name:	TestAmerica Westfield	Job No.:	360-24417-1
SDG No.:	OCRI-10		
Client Sample ID:		Lab Sample ID:	MB 360-48800/1-A
Matrix:	Solid	Lab File ID:	J02917.D
Analysis Method:	8270C LL	Date Collected:	
Extract. Method:	3550B	Date Extracted:	09/10/2009 12:11
Sample wt/vol:	100.00(g)	Date Analyzed:	09/12/2009 11:46
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.:	48876	Units:	ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	ND		5.0	1.2

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	79	30-130	
367-12-4	2-Fluorophenol	72	30-130	
321-60-8	2-Fluorobiphenyl	72	30-130	
4165-60-0	Nitrobenzene-d5	68	30-130	
4165-62-2	Phenol-d5	78	30-130	
1718-51-0	Terphenyl-d14	90	30-130	

Report Date: 12-Sep-2009 13:41:58 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02917.D		
Lims ID:	MB 360-48800/1-A	Client ID:	
Inject. Date:	12-Sep-2009 11:46:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB 360-48800/1A		
Misc. Info.:	360-0001151-003		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	48876	Lims Sample ID:	3
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\8270NDMA.m		
Last Update:	12-Sep-2009 11:38:32	Calib Date:	10-Sep-2009 20:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02891.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By: rachtank Date: 12-Sep-2009 13:41:58

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.010	5.009	0.001	177354	2.00	
* 2 Naphthalene-d8	136	6.232	6.230	0.002	444697	2.00	
* 3 Acenaphthene-d10	164	7.953	7.957	-0.004	226547	2.00	
* 4 Phenanthrene-d10	188	9.425	9.423	0.002	371928	2.00	
* 5 Chrysene-d12	240	12.055	12.054	0.001	231542	2.00	
* 6 Perylene-d12	264	13.493	13.491	0.002	135808	2.00	
$ 7 2-Fluorophenol	112	3.769	3.773	-0.004	416447	7.23	
$ 8 Phenol-d5	99	4.659	4.663	-0.004	547534	7.80	
$ 9 Nitrobenzene-d5	82	5.539	5.538	0.001	228125	3.40	
$ 10 2-Fluorobiphenyl	172	7.294	7.293	0.001	535108	3.61	
$ 11 2,4,6-Tribromophenol	330	8.737	8.736	0.001	111407	7.89	
$ 12 Terphenyl-d14	244	11.002	11.001	0.001	458586	4.48	
14 1,4-Dioxane	88	3.620	3.575	0.045	77		
16 Pyridine	79	3.769	3.677	0.092	2979		
24 Benzyl alcohol	79	5.409	5.393	0.016	302		
26 2-Methylphenol	108	5.395	5.393	0.002	612	0.0109	
17 Benzaldehyde	94	5.539	5.557	-0.018	228		
30 Acetophenone	105	5.751	5.720	0.031	396		
20 Bis(2-chloroethyl)ether	93	5.866	5.836	0.030	159		
27 2,2'-oxybis[1-chloropropane]	45	6.082	6.076	0.006	100		
32 Nitrobenzene	77	6.179	6.177	0.002	818		
35 2,4-Dimethylphenol	107	6.174	6.177	-0.003	99		
18 Phenol	94	6.260	6.264	-0.004	2133		
29 N-Nitrosodi-n-propylamine	70	6.232	6.264	-0.032	1979		
37 Bis(2-chloroethoxy)methane	93	6.260	6.264	-0.004	10773		
36 Benzoic acid	105	6.260	6.264	-0.004	854		
28 3 & 4 Methylphenol	108	6.337	6.317	0.020	39		
19 Aniline	93	6.366	6.365	0.001	276		
40 Alpha-Terpineol	59	6.385	6.374	0.011	176		
42 4-Chloroaniline	127	6.688	6.701	-0.013	236		
25 1,2-Dichlorobenzene	146	6.727	6.788	-0.061	131		

Report Date: 12-Sep-2009 13:41:58 Chrom Revision: 1.0.2009.910
Data File: \\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02917.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
46 2-Methylnaphthalene	142	7.241	7.221	0.020	150		
44 Caprolactam	55	7.304	7.298	0.006	1600	1.52	
53 2-Chloronaphthalene	162	7.410	7.432	-0.022	950	0.0168	
55 2-Nitroaniline	65	7.530	7.514	0.016	391	0.0192	
47 1-Methylnaphthalene	142	7.621	7.610	0.011	638	40.2	
56 Dimethyl phthalate	163	7.689	7.692	-0.003	3552	0.0252	
57 2,6-Dinitrotoluene	165	7.732	7.755	-0.023	5412	0.2104	
52 1,1'-Biphenyl	154	7.814	7.817	-0.003	155	0.1006	
33 Isophorone	82	7.915	7.908	0.007	522	0.0400	
59 3-Nitroaniline	138	7.929	7.918	0.011	103	0.0492	
34 2-Nitrophenol	139	7.968	7.961	0.007	45	0.0228	
61 Acenaphthene	153	7.987	7.990	-0.003	2243	0.0177	
62 4-Nitrophenol	109	8.078	8.086	-0.008	39	0.2911	
63 2,4-Dinitrotoluene	165	8.141	8.154	-0.013	452	0.1349	
64 Dibenzofuran	168	8.160	8.240	-0.080	4222	0.0239	
66 Diethyl phthalate	149	8.386	8.389	-0.003	22972	0.1602	
69 Fluorene	166	8.496	8.495	0.001	2079	0.0150	
13 Benzophenone	105	8.516	8.519	-0.003	187	0.2707	
68 4-Nitroaniline	138	8.516	8.519	-0.003	306	0.0908	
74 Azobenzene	77	8.665	8.654	0.011	15973	0.0743	
60 2,4-Dinitrophenol	184	8.670	8.668	0.002	274	0.4571	
71 Diphenylamine	169	8.732	8.736	-0.004	5168	7.69	
72 N-Nitrosodiphenylamine	169	8.982	8.981	0.001	189	0.0395	
77 Atrazine	200	9.146	9.164	-0.018	171	0.009898	7
73 1,2-Diphenylhydrazine	77	9.280	9.245	0.035	3957	10.6	
79 Pentachloronitrobenzene	237	9.256	9.255	0.001	115	0.0757	
80 Phenanthrene	178	9.444	9.447	-0.003	15012		
81 Anthracene	178	9.444	9.447	-0.003	15012		
83 Carbazole	167	9.655	9.659	-0.004	1094		
82 DFTPP	198	9.752	9.723	0.029	924		
84 Di-n-butyl phthalate	149	10.006	10.005	0.001	2033357		
86 Benzidine	184	10.632	10.625	0.007	149		
85 Pyrene	202	10.622	10.625	-0.003	6007		
87 Fluoranthene	202	10.747	10.746	0.001	171		
88 4,4'-DDD	235	11.281	11.286	-0.005	628		
89 Butyl benzyl phthalate	149	11.488	11.486	0.002	22068		
90 4,4'-DDT	235	11.579	11.584	-0.005	863		
93 Benzo[a]anthracene	228	12.045	12.044	0.001	7109		
94 Chrysene	228	12.045	12.044	0.001	7109		
92 Bis(2-ethylhexyl) phthalate	149	12.074	12.073	0.001	71493		
95 Di-n-octyl phthalate	149	12.613	12.607	0.006	236		
91 3,3'-Dichlorobenzidine	252	12.671	12.678	-0.007	43		
97 Benzo[b]fluoranthene	252	13.440	13.439	0.001	3251		
98 Benzo[k]fluoranthene	252	13.440	13.439	0.001	3251		
99 Benzo[a]pyrene	252	14.267	14.266	0.001	47		

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Sep-2009 13:42:00 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02917.D

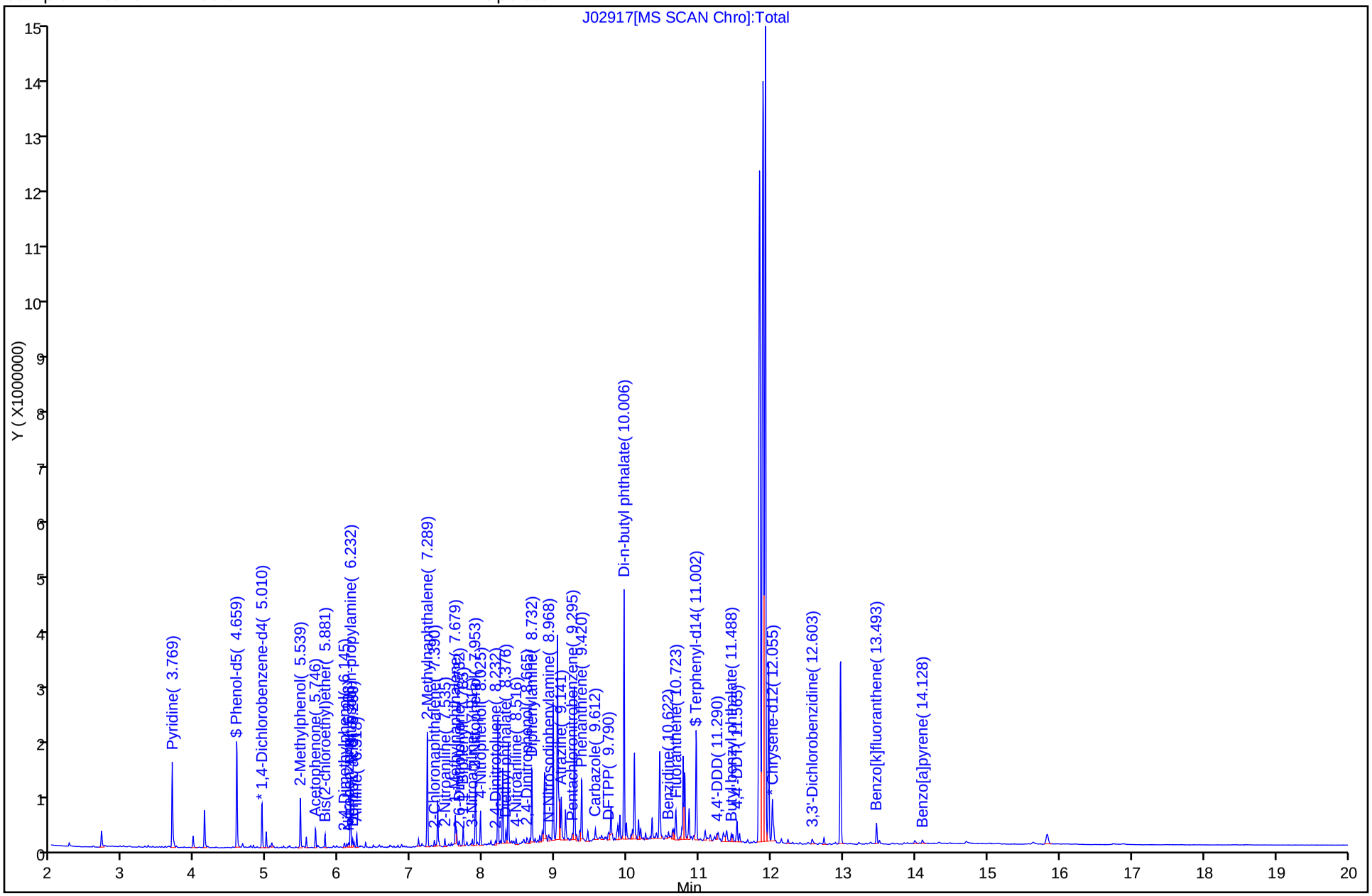
Inj Date: 12-Sep-2009 11:46:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48876 Lims Sample ID: 3

Client ID: Instrument: Inst. J

Sample Info: MB 360-48800/1A

Sample Amount: 1.00 uL Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48854/1-A

Matrix: Solid | Lab File ID: B10449.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:33

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.: 49265 | 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.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48854/1-A

Matrix: Solid | Lab File ID: B10449.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:33

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.: 49265 | 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	70.4	J	170	15
119-61-9	Benzophenone	ND		33	10
100-51-6	Benzyl alcohol	ND		67	28
111-91-1	Bis(2-chloroethoxy)methane	ND		33	10
111-44-4	Bis(2-chloroethyl)ether	ND		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	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	ND		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.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48854/1-A

Matrix: Solid | Lab File ID: B10449.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:33

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.: 49265 | 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	71	30-130	
367-12-4	2-Fluorophenol	89	30-130	
321-60-8	2-Fluorobiphenyl	71	30-130	
4165-60-0	Nitrobenzene-d5	83	30-130	
4165-62-2	Phenol-d5	91	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.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48854/1-A

Matrix: Solid | Lab File ID: B10449.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:33

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.: 49265 | Units: ug/Kg

Number TICs Found: 8 | TIC Result Total: 170.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.06	23.2	T J
121-33-5	Vanillin	10.03	12.5	T J N
615-22-5	Benzothiazole, 2-(methylthio)-	11.07	12.0	T J N
593-45-3	Octadecane	11.58	42.1	T J N
112-95-8	Eicosane	12.30	24.2	T J N
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	15.61	10.5	T J N
593-49-7	Heptacosane	16.12	14.3	T J N
7683-64-9	Squalene	16.78	31.8	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D		
Lims ID:	MB 360-48854/1-A	Client ID:	
Inject. Date:	21-Sep-2009 20:33:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48742/1-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49265	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:09:16	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:09:16

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.902	7.900	0.002	431193	2.00	
* 2 Naphthalene-d8	136	9.028	9.030	-0.002	1058960	2.00	
* 3 Acenaphthene-d10	164	10.533	10.535	-0.002	541443	2.00	
* 4 Phenanthrene-d10	188	11.802	11.800	0.002	929828	2.00	
* 5 Chrysene-d12	240	15.399	15.397	0.002	577103	2.00	
* 6 Perylene-d12	264	17.837	17.840	-0.003	361051	2.00	
$ 7 2-Fluorophenol	112	6.671	6.630	0.041	1084883	8.94	
$ 8 Phenol-d5	99	7.527	7.520	0.007	1267242	9.07	
$ 9 Nitrobenzene-d5	82	8.388	8.390	-0.002	566036	4.17	
$ 10 2-Fluorobiphenyl	172	9.927	9.924	0.003	1264880	3.54	
$ 11 2,4,6-Tribromophenol	330	11.201	11.204	-0.003	240732	7.09	
$ 12 Terphenyl-d14	244	13.428	13.425	0.003	984548	3.58	
22 1,4-Dichlorobenzene	146	7.854	7.852	0.002	2126	0.0133	
30 Acetophenone	105	8.244	8.246	-0.002	10827	0.0649	
36 Benzoic acid	105	8.706	8.713	-0.007	41377	2.11	
66 Diethyl phthalate	149	10.821	10.824	-0.003	10770	0.0315	
80 Phenanthrene	178	11.822	11.824	-0.002	8627	0.0179	
89 Butyl benzyl phthalate	149	14.135	14.142	-0.007	3952	0.0203	
92 Bis(2-ethylhexyl) phthalate	149	15.279	15.281	-0.002	61107	0.2762	
100 Indeno[1,2,3-cd]pyrene	276	20.261	20.268	-0.007	15007	0.1233	
101 Dibenz(a,h)anthracene	278	20.295	20.302	-0.007	12034	0.1201	
102 Benzo[g,h,i]perylene	276	21.011	20.999	0.012	15614	0.1363	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D		
Lims ID:	MB 360-48854/1-A	Client ID:	
Inject. Date:	21-Sep-2009 20:33:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48742/1-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49265	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:09:16	Calib Date:	21-Sep-2009 19:31:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	85		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:09:16

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

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
7.061	669447	0.6946	1			
	121-33-5	Vanillin				
10.033	444689	0.3740	3	97	68312	
	615-22-5	Benzothiazole, 2-(methylthio)-				
11.067	428574	0.3604	3	99	125390	
	593-45-3	Octadecane				
11.576	1614630	1.26	4	98	112329	
	112-95-8	Eicosane				
12.303	927402	0.7260	4	98	112343	
	54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-				
15.606	259041	0.3165	5	93	17067	
	593-49-7	Heptacosane				
16.116	351703	0.4297	5	99	109643	
	7683-64-9	Squalene				
16.775	539108	0.9540	6	91	114263	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 1 1,4-Dichlorobenzene-d4	7.902	1927650	2.00

Report Date: 22-Sep-2009 11:09:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

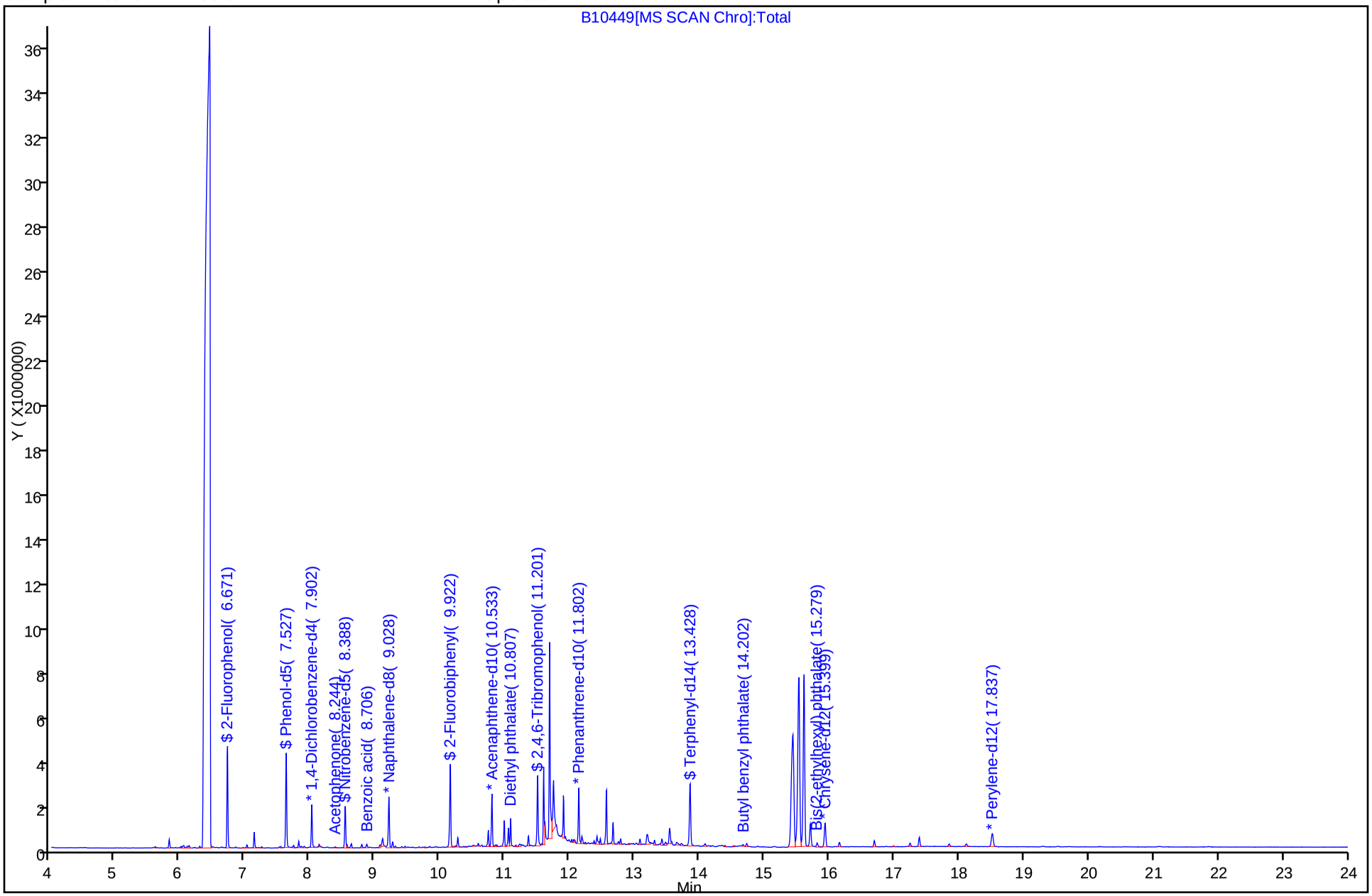
Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	10.533	2378211	2.00
* 4 Phenanthrene-d10	11.802	2554734	2.00
* 5 Chrysene-d12	15.399	1636993	2.00
* 6 Perylene-d12	17.837	1130155	2.00

QC Flag Legend

Processing Flags

Report Date: 22-Sep-2009 11:09:17 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D		
Inj Date:	21-Sep-2009 20:33:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	12
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-48742/1-a		
Sample Amount:	1.00 ul	Operator:	MZ



Report Date: 22-Sep-2009 11:09:18 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

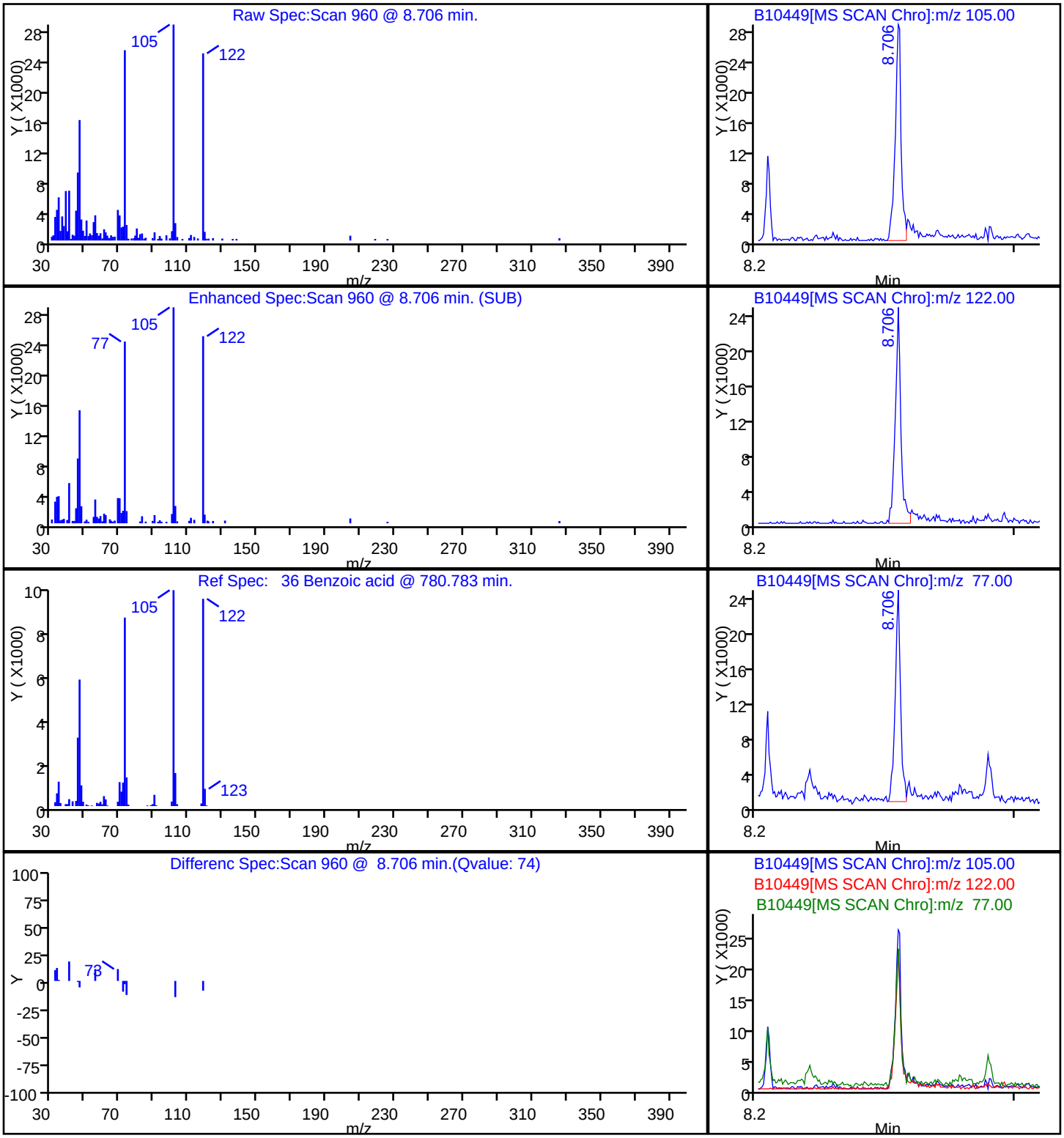
Lims Batch ID: 49265 Lims Sample ID: 12

Client ID: Instrument: Inst. B

Sample Info: mb 360-48742/1-a

Sample Amount: 1.00 ul Operator: MZ

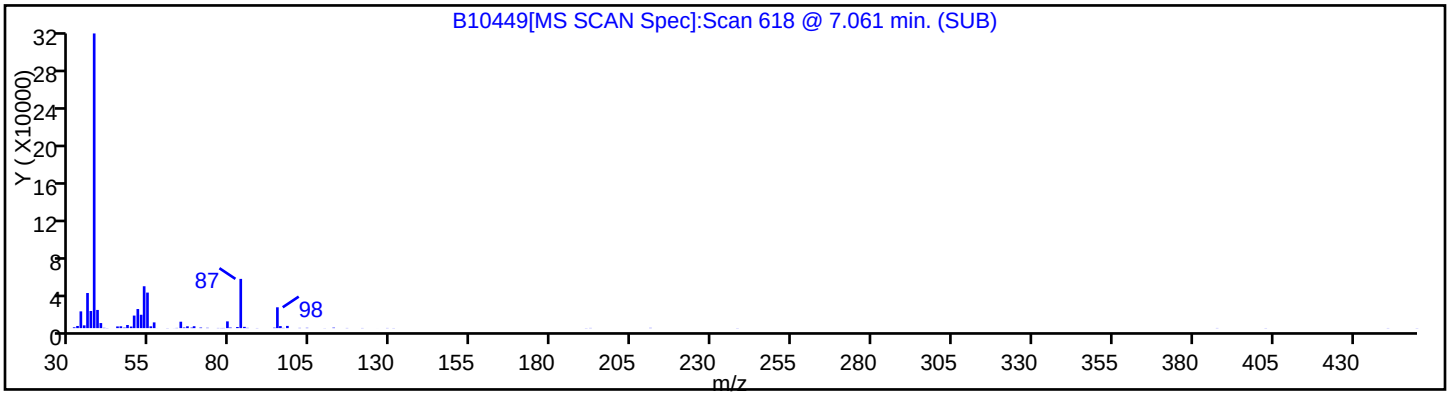
36 Benzoic acid



Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D		
Inj Date:	21-Sep-2009 20:33:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	12
Client ID:		Instrument:	Inst. B
Sample Info:	mb 360-48742/1-a		
Sample Amount:	1.00 ul	Operator:	MZ

No Library Matches Found above the Threshold: 85



Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

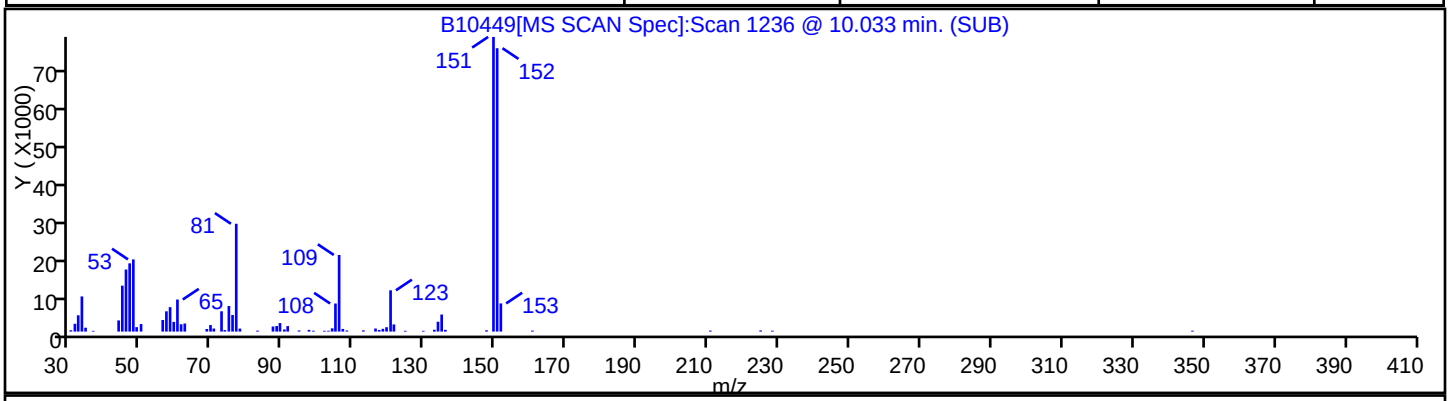
Lims Batch ID: 49265 Lims Sample ID: 12

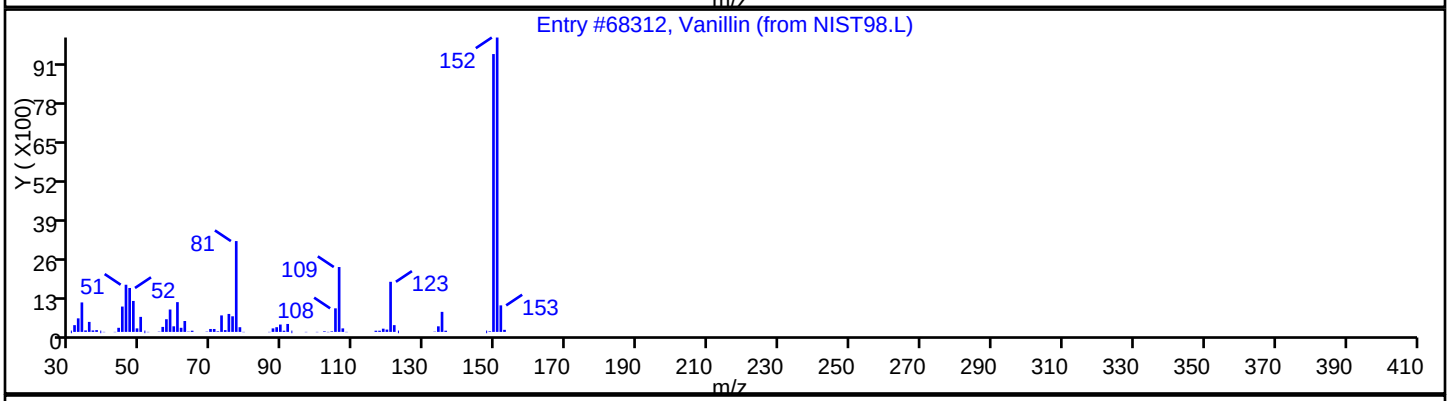
Client ID: Instrument: Inst. B

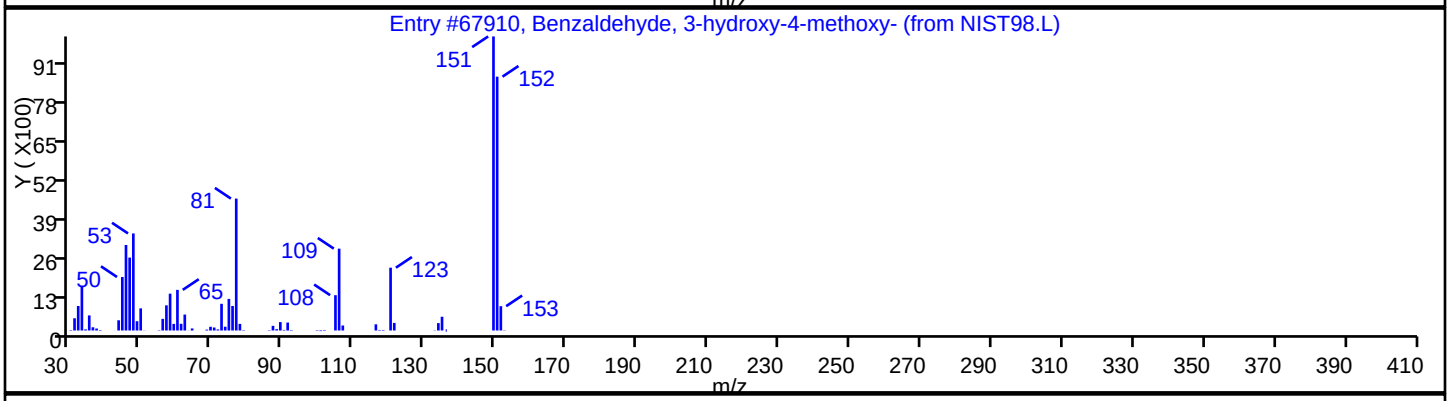
Sample Info: mb 360-48742/1-a

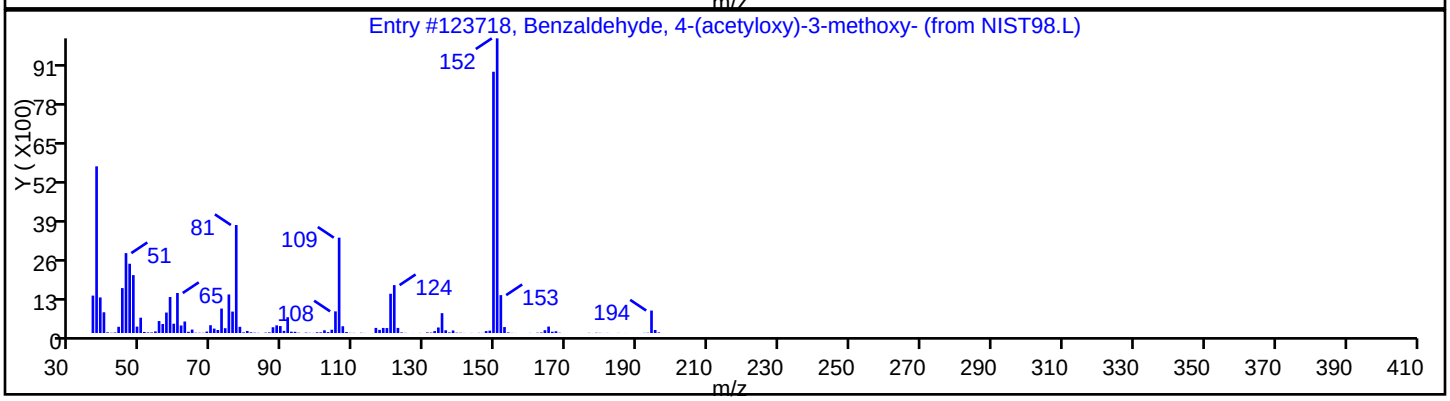
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Vanillin	121-33-5	NIST98.L	68312	97
Benzaldehyde, 3-hydroxy-4-methoxy-	621-59-0	NIST98.L	67910	94
Benzaldehyde, 4-(acetyloxy)-3-methoxy-	881-68-5	NIST98.L	123718	72









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

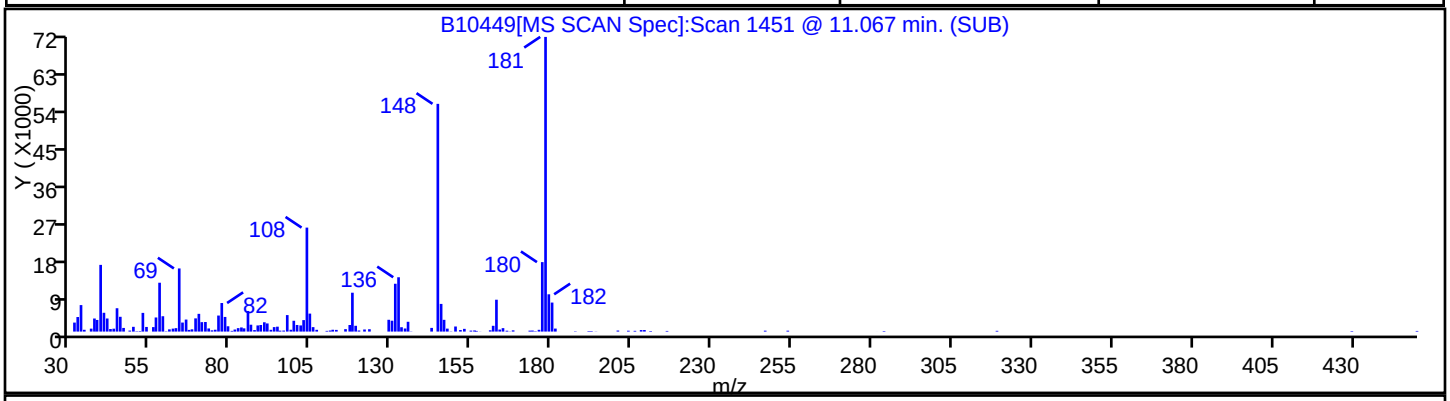
Lims Batch ID: 49265 Lims Sample ID: 12

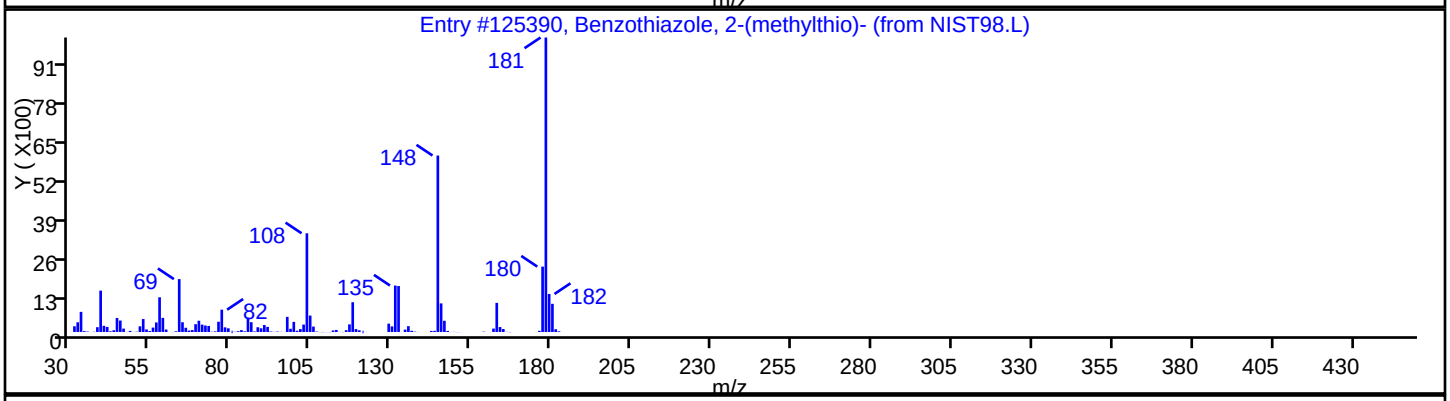
Client ID: Instrument: Inst. B

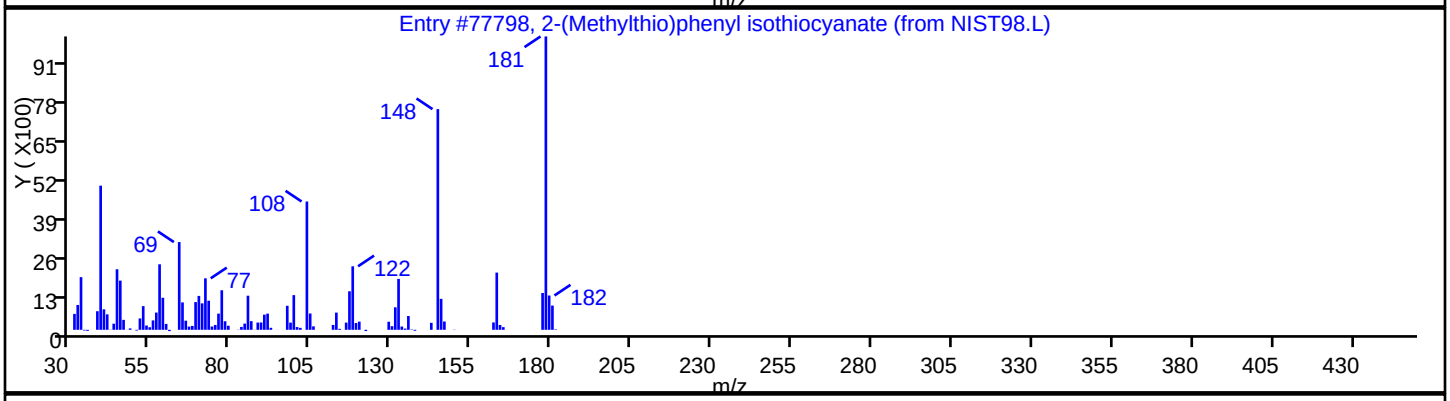
Sample Info: mb 360-48742/1-a

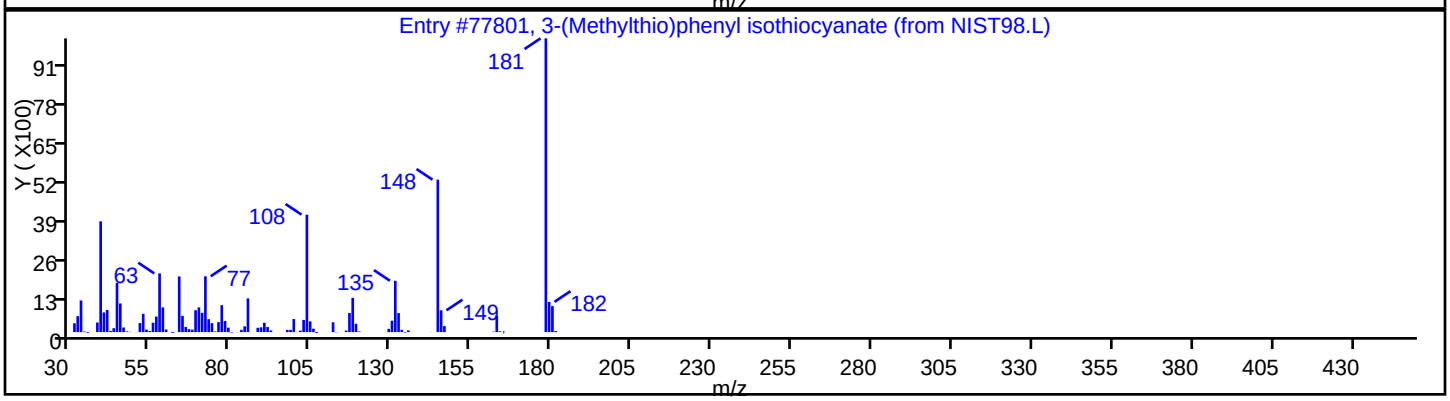
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzothiazole, 2-(methylthio)-	615-22-5	NIST98.L	125390	99
2-(Methylthio)phenyl isothiocyanate	51333-75-6	NIST98.L	77798	80
3-(Methylthio)phenyl isothiocyanate	51333-80-3	NIST98.L	77801	64









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 12

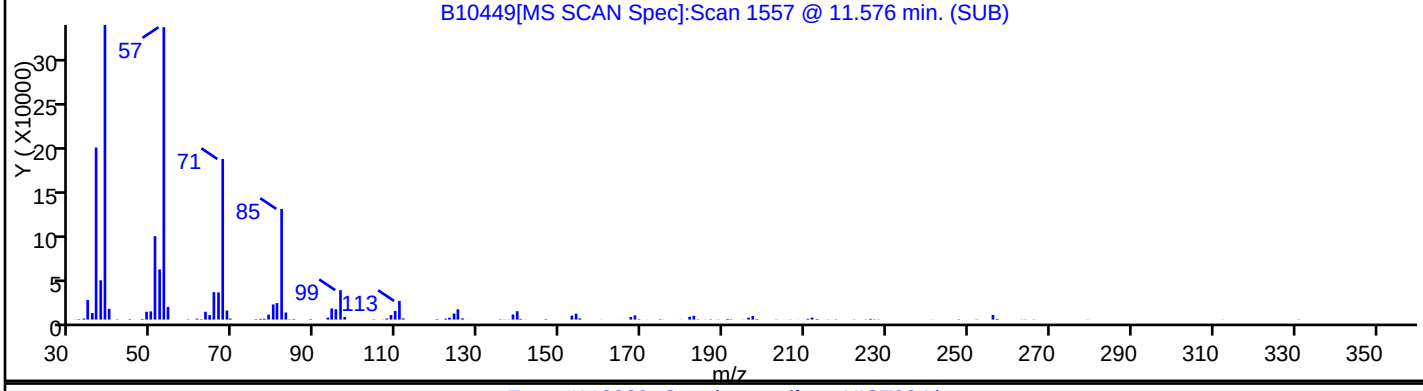
Client ID: Instrument: Inst. B

Sample Info: mb 360-48742/1-a

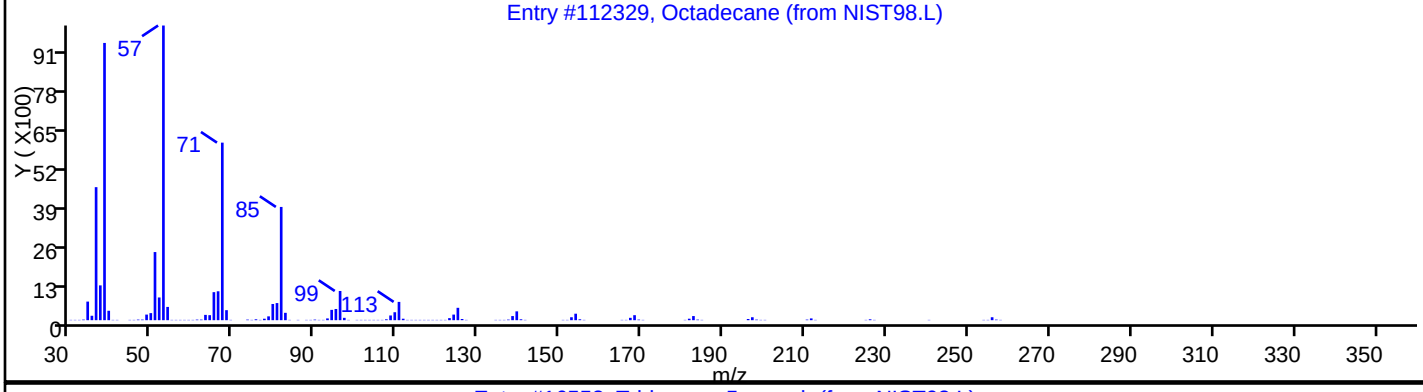
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	112329	98
Tridecane, 5-propyl-	55045-11-9	NIST98.L	16558	91
Eicosane	112-95-8	NIST98.L	112343	91

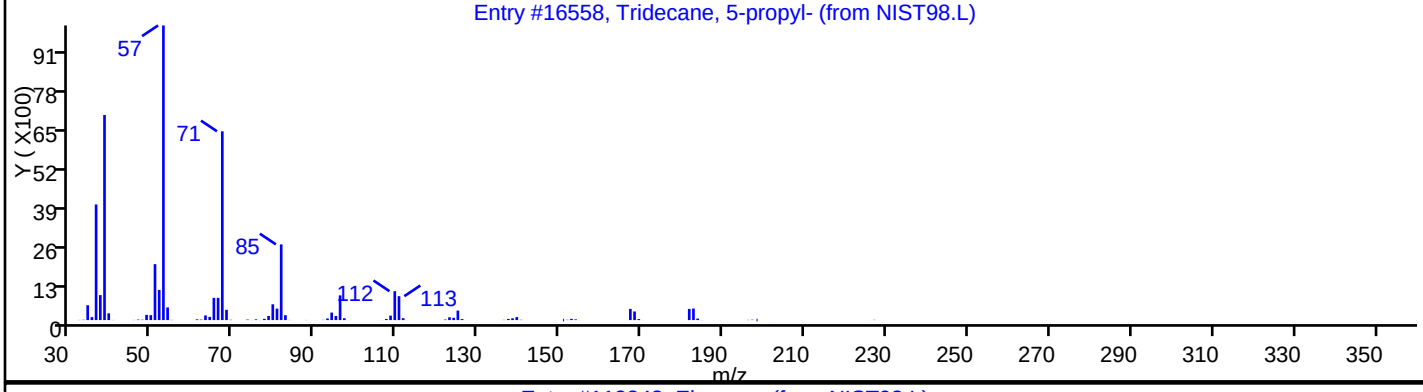
B10449[MS SCAN Spec]:Scan 1557 @ 11.576 min. (SUB)



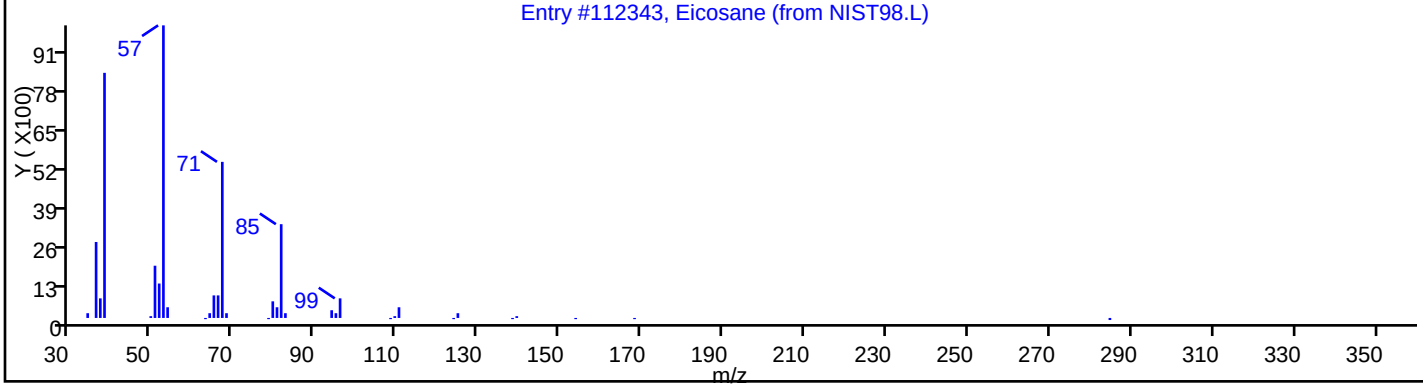
Entry #112329, Octadecane (from NIST98.L)



Entry #16558, Tridecane, 5-propyl- (from NIST98.L)



Entry #112343, Eicosane (from NIST98.L)



Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

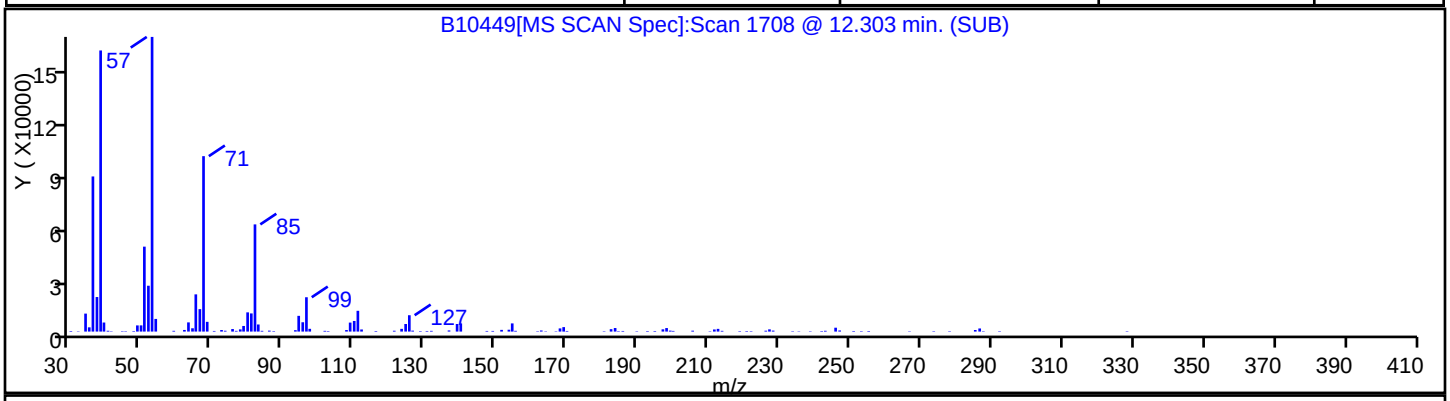
Lims Batch ID: 49265 Lims Sample ID: 12

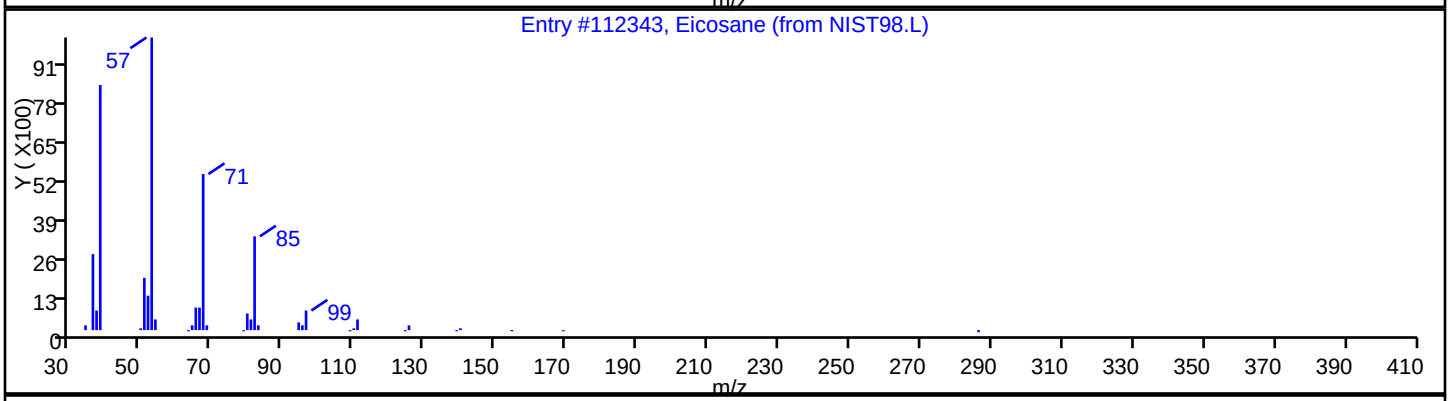
Client ID: Instrument: Inst. B

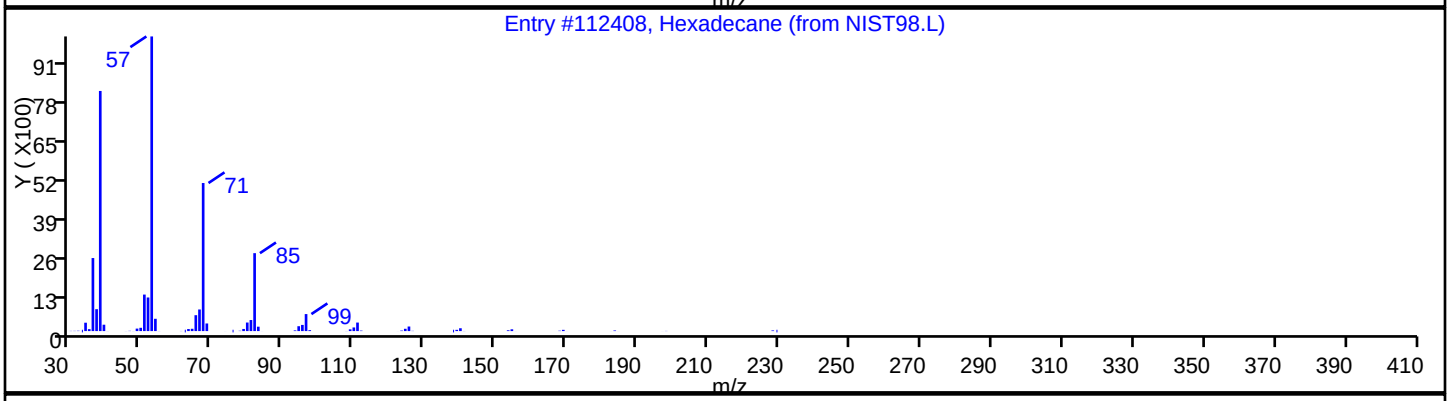
Sample Info: mb 360-48742/1-a

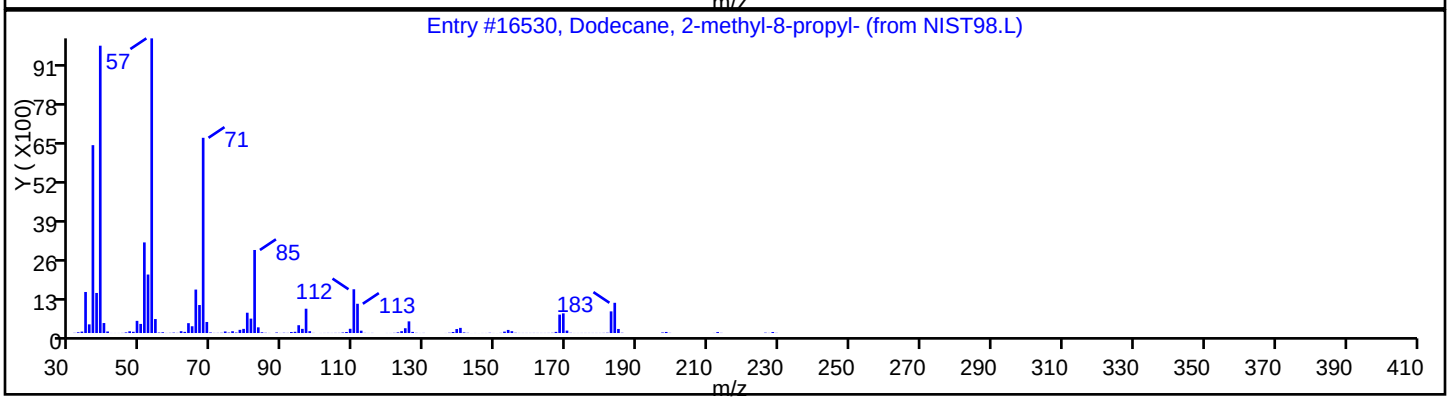
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112343	98
Hexadecane	544-76-3	NIST98.L	112408	94
Dodecane, 2-methyl-8-propyl-	55045-7-3	NIST98.L	16530	93









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

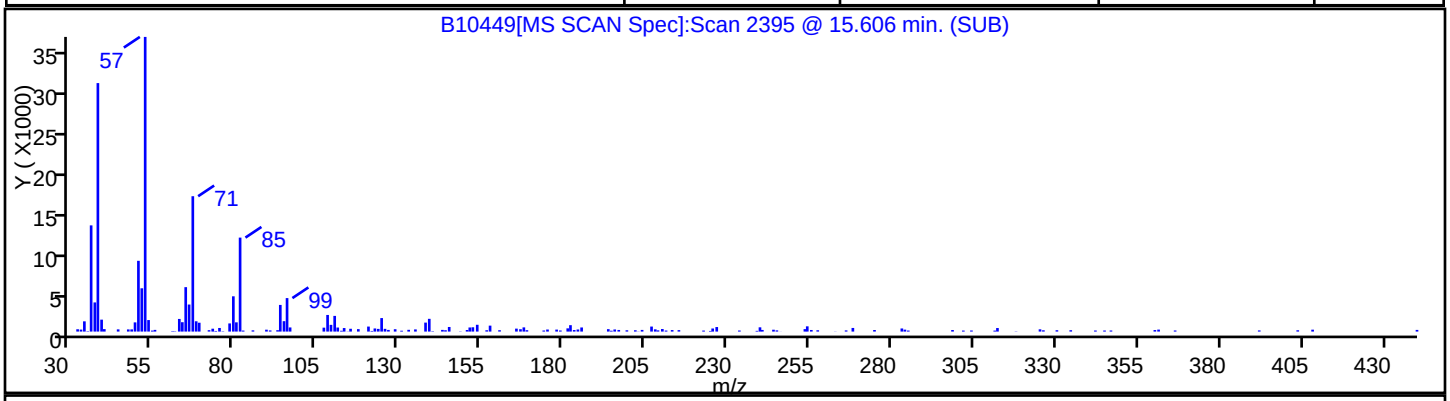
Lims Batch ID: 49265 Lims Sample ID: 12

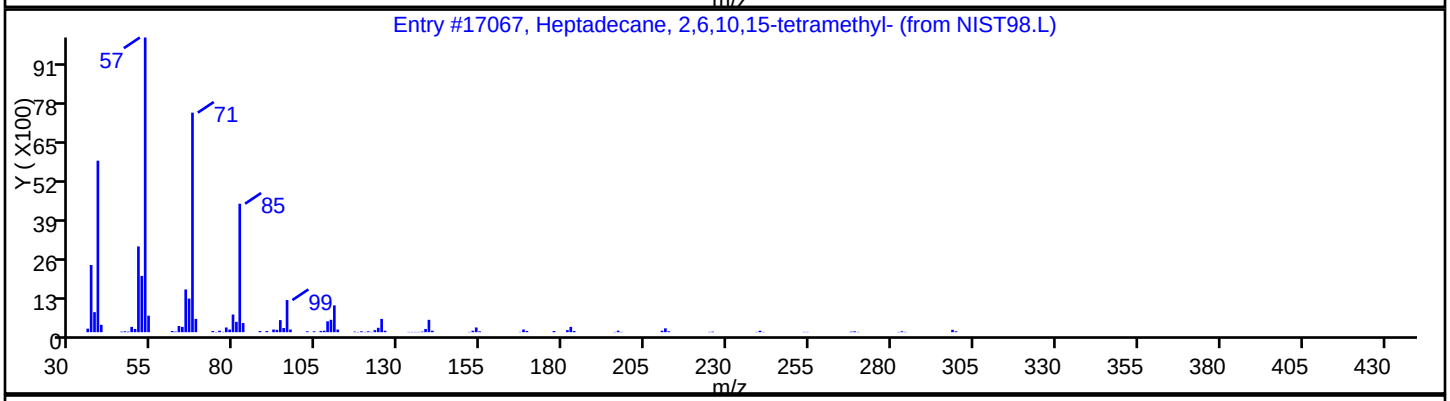
Client ID: Instrument: Inst. B

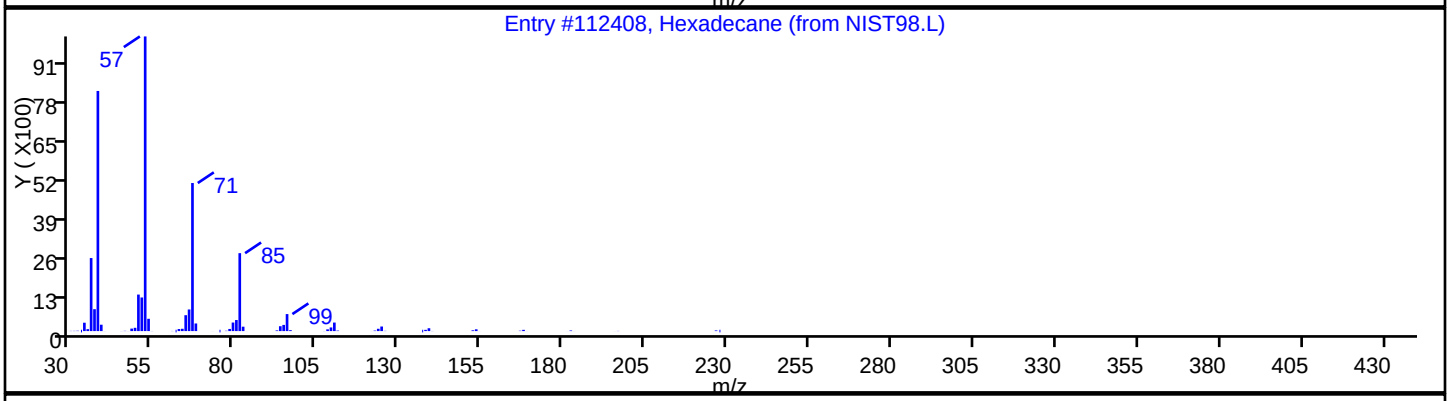
Sample Info: mb 360-48742/1-a

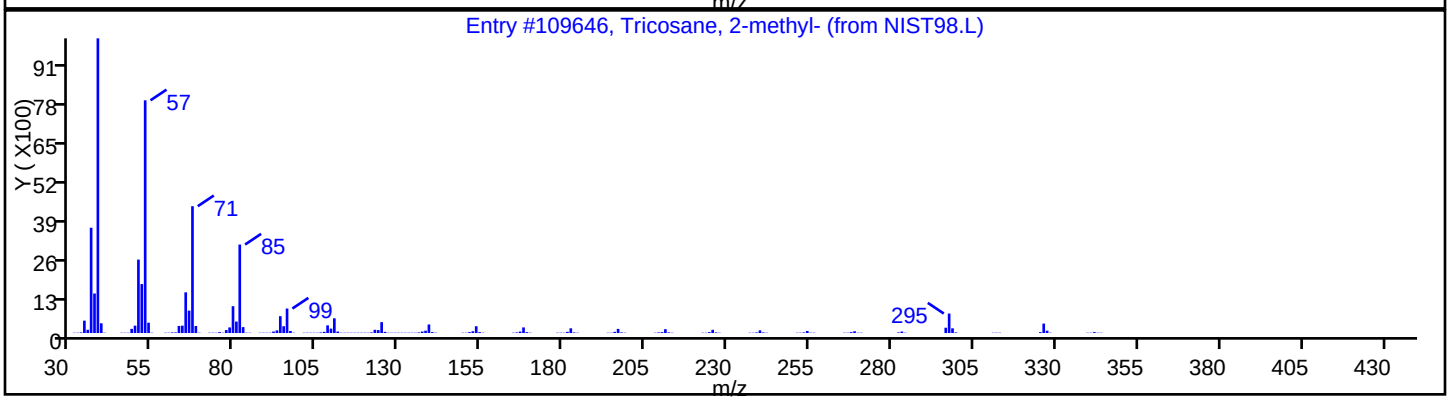
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	NIST98.L	17067	93
Hexadecane	544-76-3	NIST98.L	112408	93
Tricosane, 2-methyl-	1928-30-9	NIST98.L	109646	93









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

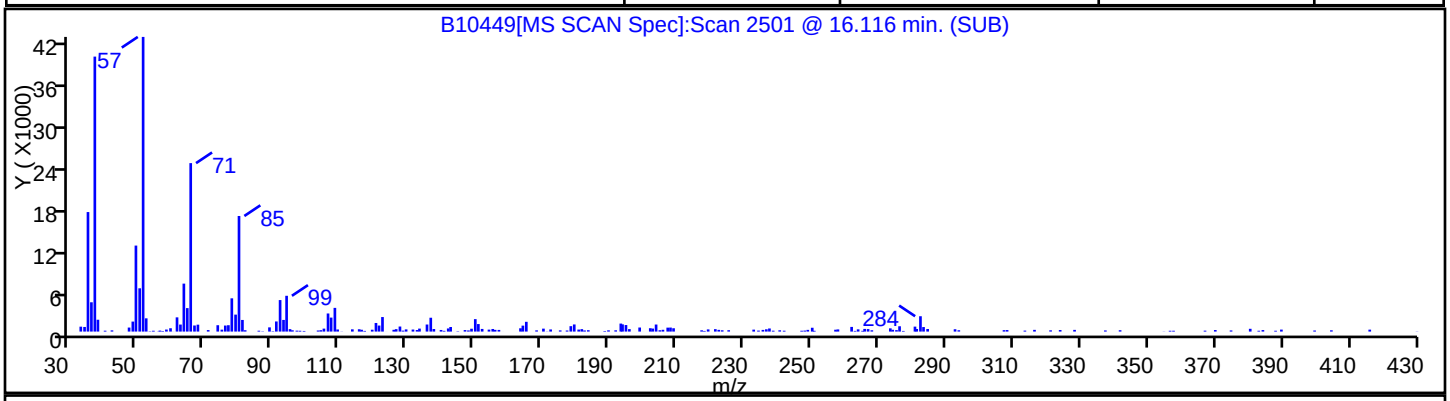
Lims Batch ID: 49265 Lims Sample ID: 12

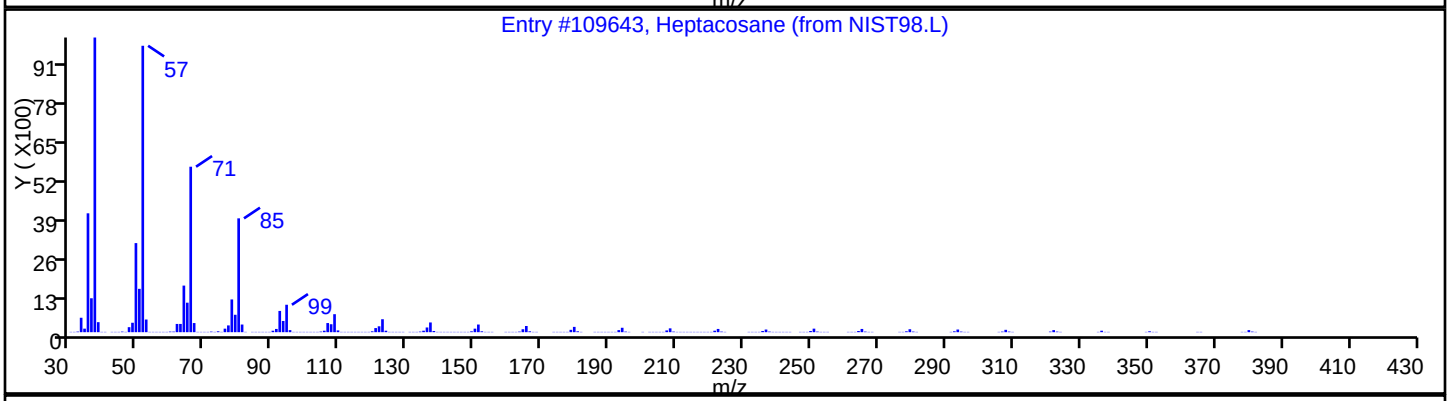
Client ID: Instrument: Inst. B

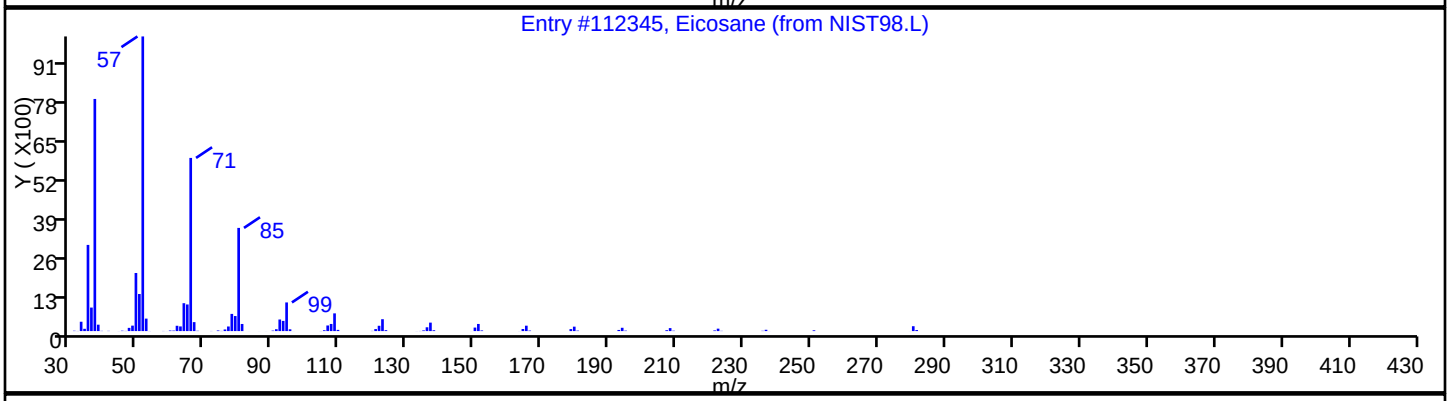
Sample Info: mb 360-48742/1-a

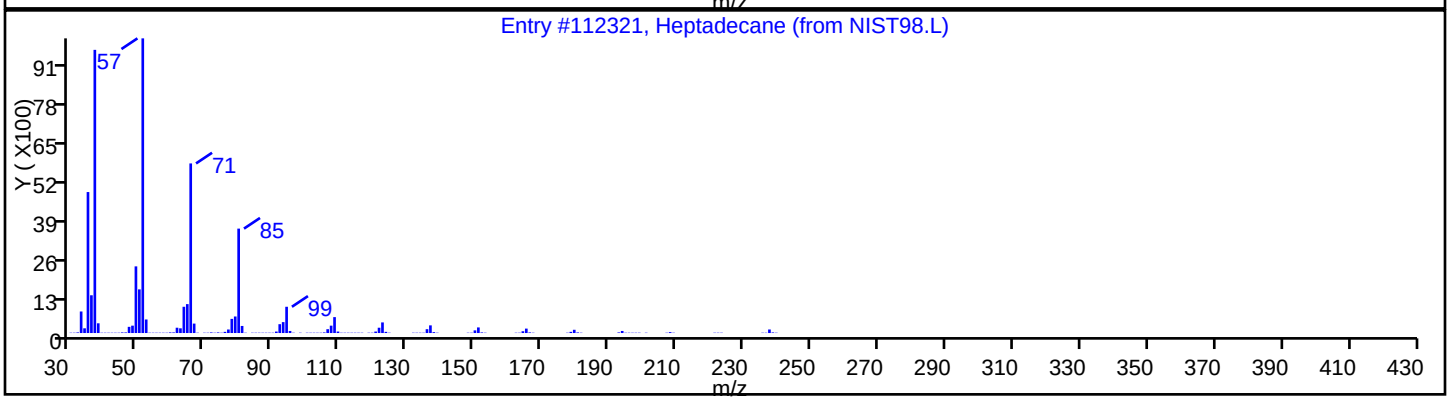
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Heptacosane	593-49-7	NIST98.L	109643	99
Eicosane	112-95-8	NIST98.L	112345	97
Heptadecane	629-78-7	NIST98.L	112321	95









Report Date: 22-Sep-2009 11:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10449.D

Inj Date: 21-Sep-2009 20:33:30 Limit Group: SMS - 8270LL SVOA Calibration

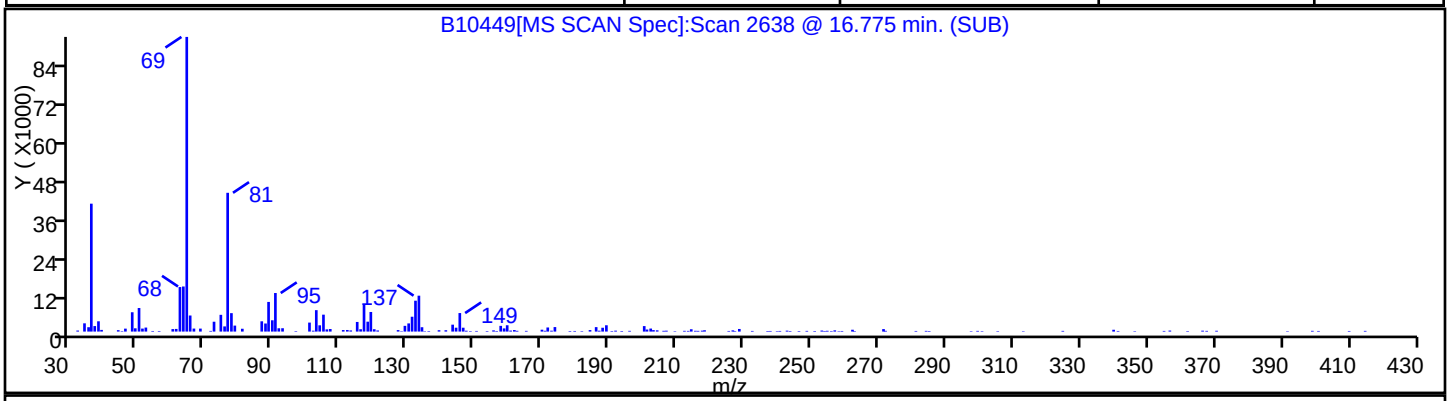
Lims Batch ID: 49265 Lims Sample ID: 12

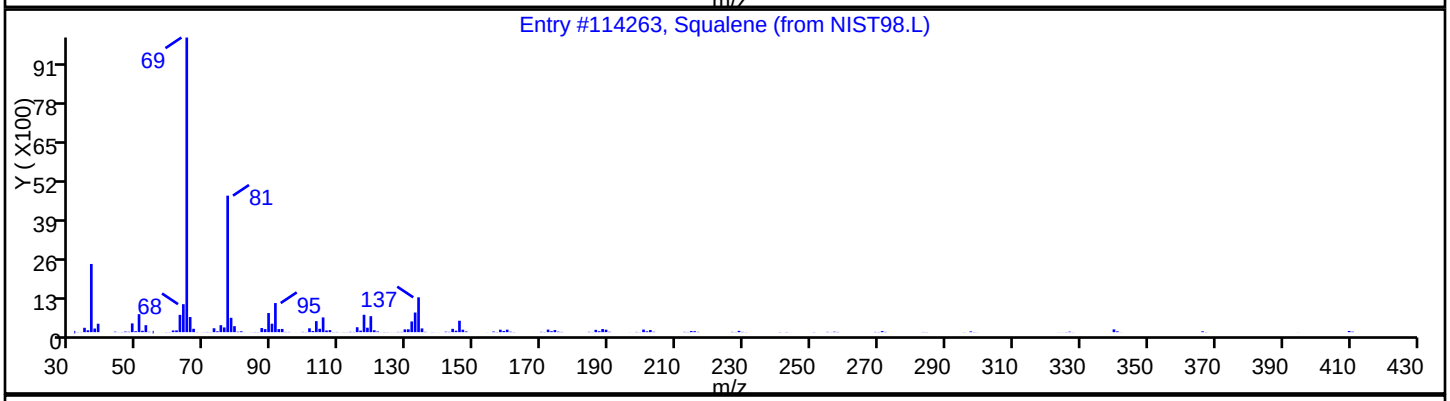
Client ID: Instrument: Inst. B

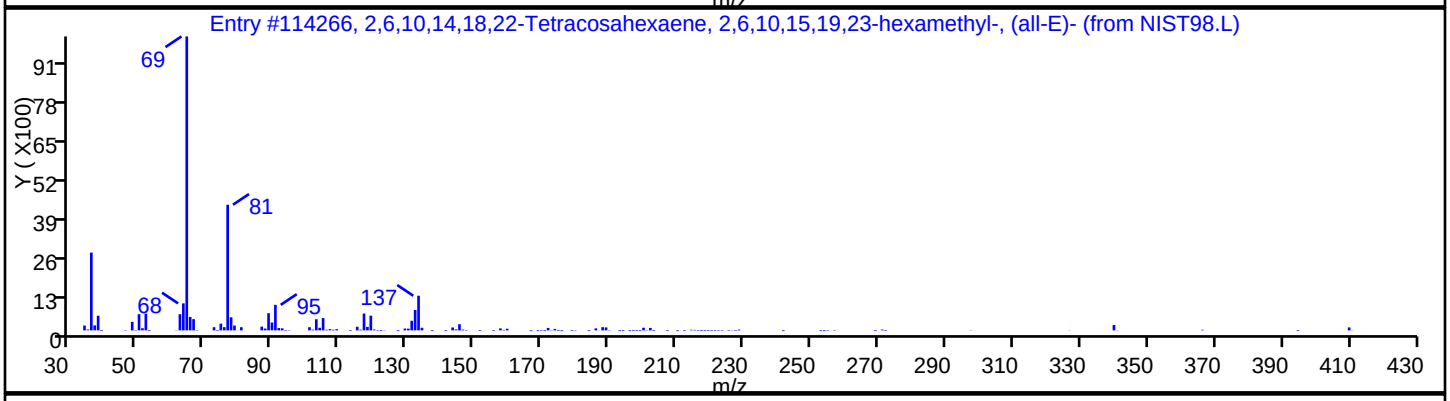
Sample Info: mb 360-48742/1-a

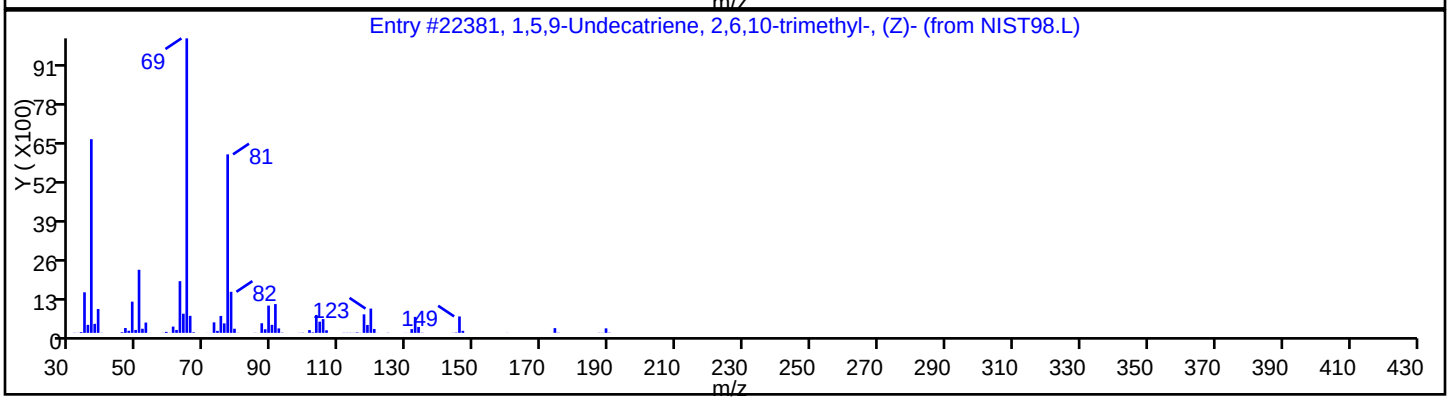
Sample Amount: 1.00 ul Operator: MZ

Library Search Compound Match	CAS Number	Library	Entry	Quality
Squalene	7683-64-9	NIST98.L	114263	91
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	111-2-4	NIST98.L	114266	91
1,5,9-Undecatriene, 2,6,10-trimethyl-, (	62951-96-6	NIST98.L	22381	83









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48924/1-A

Matrix: Solid | Lab File ID: J03050.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 19:53

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

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

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

Analysis Batch No.: 49259 | Units: ug/Kg

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: MB 360-48924/1-A

Matrix: Solid | Lab File ID: J03050.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 19:53

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

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

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

Analysis Batch No.: 49259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	ND		33	10
62-53-3	Aniline	ND		33	10
120-12-7	Anthracene	ND		33	10
1912-24-9	Atrazine	ND		33	10
103-33-3	Azobenzene	ND		33	10
100-52-7	Benzaldehyde	ND		33	10
56-55-3	Benzo[a]anthracene	ND		33	10
50-32-8	Benzo[a]pyrene	ND		33	10
205-99-2	Benzo[b]fluoranthene	ND		33	10
191-24-2	Benzo[g,h,i]perylene	ND		33	10
207-08-9	Benzo[k]fluoranthene	ND		33	10
65-85-0	Benzoic acid	ND		170	15
119-61-9	Benzophenone	ND		33	10
100-51-6	Benzyl alcohol	ND		67	28
111-91-1	Bis(2-chloroethoxy)methane	ND		33	10
111-44-4	Bis(2-chloroethyl)ether	ND		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	19.4	J	33	10
85-68-7	Butyl benzyl phthalate	ND		33	10
105-60-2	Caprolactam	ND		33	10
86-74-8	Carbazole	ND		33	10
218-01-9	Chrysene	ND		33	10
53-70-3	Dibenz(a,h)anthracene	ND		33	10
132-64-9	Dibenzofuran	ND		33	10
84-66-2	Diethyl phthalate	ND		33	10
131-11-3	Dimethyl phthalate	ND		33	10
84-74-2	Di-n-butyl phthalate	82.2		33	29
117-84-0	Di-n-octyl phthalate	ND		33	17
101-84-8	Diphenyl oxide	ND		33	10
122-39-4	Diphenylamine	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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID:
Lab Sample ID: MB 360-48924/1-A
Matrix: Solid
Lab File ID: J03050.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3546
Date Extracted: 09/14/2009 13:00
Sample wt/vol: 30.00(g)
Date Analyzed: 09/21/2009 19:53
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1.0(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49259
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	ND		33	10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		33	10
78-59-1	Isophorone	ND		33	10
91-20-3	Naphthalene	ND		80	10
98-95-3	Nitrobenzene	ND		33	10
62-75-9	N-Nitrosodimethylamine	ND		33	12
621-64-7	N-Nitrosodi-n-propylamine	ND		33	10
86-30-6	N-Nitrosodiphenylamine	ND		33	10
87-86-5	Pentachlorophenol	ND		33	10
85-01-8	Phenanthrene	ND		40	10
108-95-2	Phenol	ND		33	10
129-00-0	Pyrene	ND		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	78	30-130	
367-12-4	2-Fluorophenol	88	30-130	
321-60-8	2-Fluorobiphenyl	79	30-130	
4165-60-0	Nitrobenzene-d5	78	30-130	
4165-62-2	Phenol-d5	93	30-130	
1718-51-0	Terphenyl-d14	86	30-130	

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

Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID:
Lab Sample ID: MB 360-48924/1-A
Matrix: Solid
Lab File ID: J03050.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3546
Date Extracted: 09/14/2009 13:00
Sample wt/vol: 30.00(g)
Date Analyzed: 09/21/2009 19:53
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1.0(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49259
Units: ug/Kg
Number TICs Found: 5
TIC Result Total: 73.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
121-33-5	Vanillin	8.88	13.3	T J N
111-82-0	Dodecanoic acid, methyl ester	9.51	10.8	T J N
544-76-3	Hexadecane	9.88	22.6	T J N
112-95-8	Eicosane	11.61	15.9	T J N
593-45-3	Octadecane	12.36	11.0	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D		
Lims ID:	MB 360-48924/1-A	Client ID:	
Inject. Date:	21-Sep-2009 19:53:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48924/1-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49259	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:52:10	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	23-Sep-2009 14:52:10

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.302	6.296	0.006	71419	2.00	
* 2 Naphthalene-d8	136	7.639	7.637	0.002	180351	2.00	
* 3 Acenaphthene-d10	164	9.370	9.369	0.001	86657	2.00	
* 4 Phenanthrene-d10	188	10.803	10.802	0.001	139571	2.00	
* 5 Chrysene-d12	240	13.371	13.369	0.002	94839	2.00	
* 6 Perylene-d12	264	14.708	14.706	0.002	66978	2.00	
$ 7 2-Fluorophenol	112	4.494	4.430	0.064	204338	8.82	
$ 8 Phenol-d5	99	5.970	5.959	0.011	246637	9.27	
$ 9 Nitrobenzene-d5	82	6.917	6.916	0.001	109826	3.91	
$ 10 2-Fluorobiphenyl	172	8.735	8.734	0.001	216608	3.94	
$ 11 2,4,6-Tribromophenol	330	10.139	10.136	0.003	49585	7.76	
$ 12 Terphenyl-d14	244	12.385	12.386	-0.001	174036	4.32	
30 Acetophenone	105	6.773	6.767	0.006	923	0.0310	
66 Diethyl phthalate	149	9.841	9.845	-0.004	2160	0.0412	
80 Phenanthrene	178	10.827	10.826	0.001	1279	0.0181	
84 Di-n-butyl phthalate	149	11.442	11.446	-0.004	209645	2.47	
92 Bis(2-ethylhexyl) phthalate	149	13.481	13.476	0.005	21830	0.5810	
97 Benzo[b]fluoranthene	252	14.366	14.365	0.001	2208	0.0537	
99 Benzo[a]pyrene	252	14.655	14.653	0.002	1312	0.1599	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D		
Lims ID:	MB 360-48924/1-A	Client ID:	
Inject. Date:	21-Sep-2009 19:53:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	mb 360-48924/1-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	49259	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:52:10	Calib Date:	21-Sep-2009 18:59:30
Tic RT Window:	0.000 -30.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\wessvr06\chromdata\DATABASE\NIST98.L		
Min. Match:	50		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 14:52:10

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

Tentative Identified Compound Results

RT	Response	Amount ug/mL	Quant Cpnd	Qual	Lib Entry	Flags
121-33-5 Vanillin						
8.884	76718	0.3986	3	98	123636	
111-82-0 Dodecanoic acid, methyl ester						
9.509	62602	0.3253	3	97	115462	
544-76-3 Hexadecane						
9.884	130476	0.6780	3	98	112410	
112-95-8 Eicosane						
11.606	152775	0.4784	4	96	112345	
593-45-3 Octadecane						
12.356	58730	0.3287	5	91	16439	

Quantitation Compounds

Compound	RT	Response	Amount ug/mL
* 3 Acenaphthene-d10	9.365	384907	2.00
* 4 Phenanthrene-d10	10.803	638723	2.00
* 5 Chrysene-d12	13.371	357312	2.00

QC Flag Legend

Processing Flags

Report Date: 23-Sep-2009 14:52:11 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D

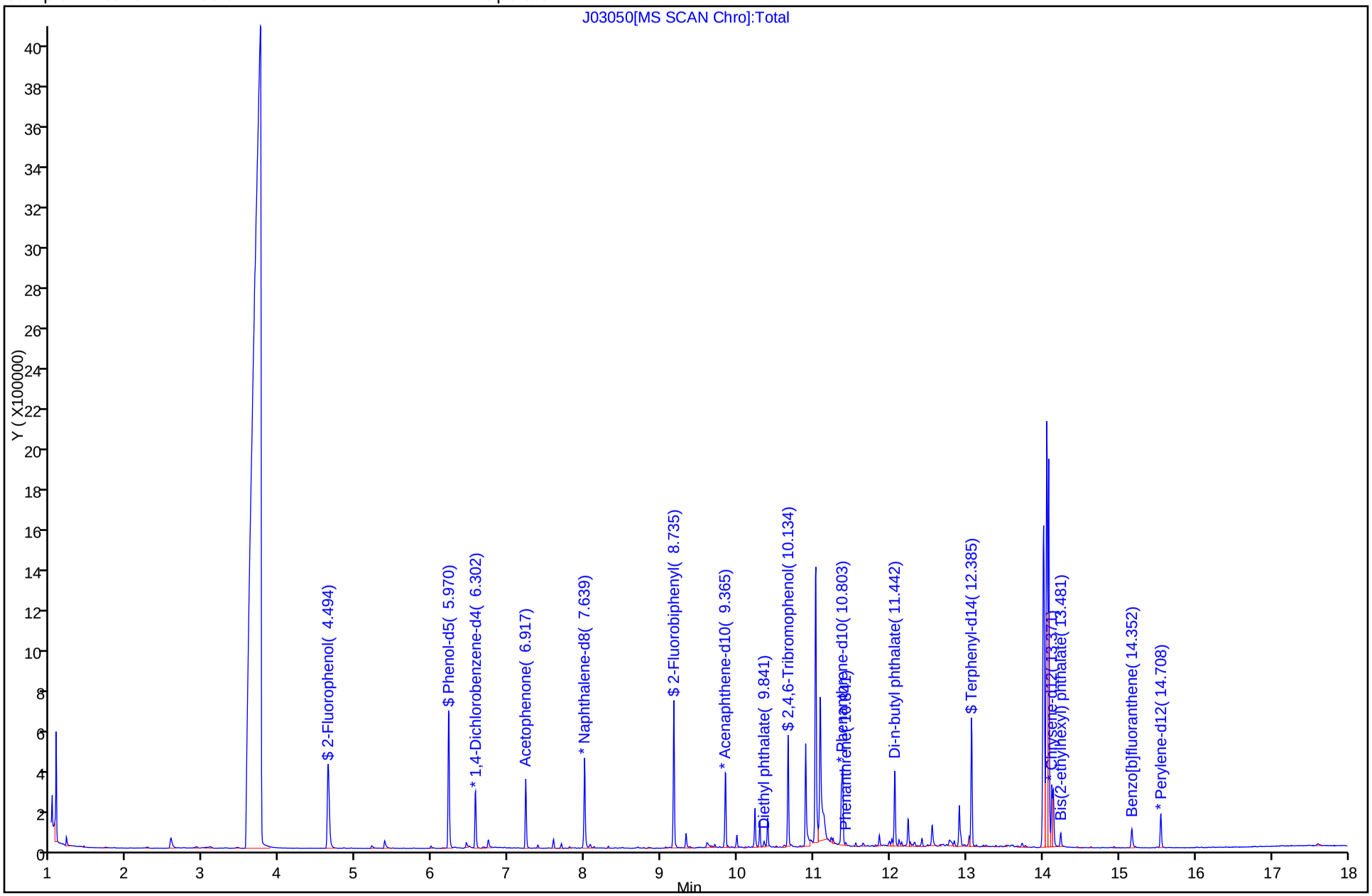
Inj Date: 21-Sep-2009 19:53:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 12

Client ID: Instrument: Inst. J

Sample Info: mb 360-48924/1-a

Sample Amount: 1.00 ul Operator:



Report Date: 23-Sep-2009 14:52:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D

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

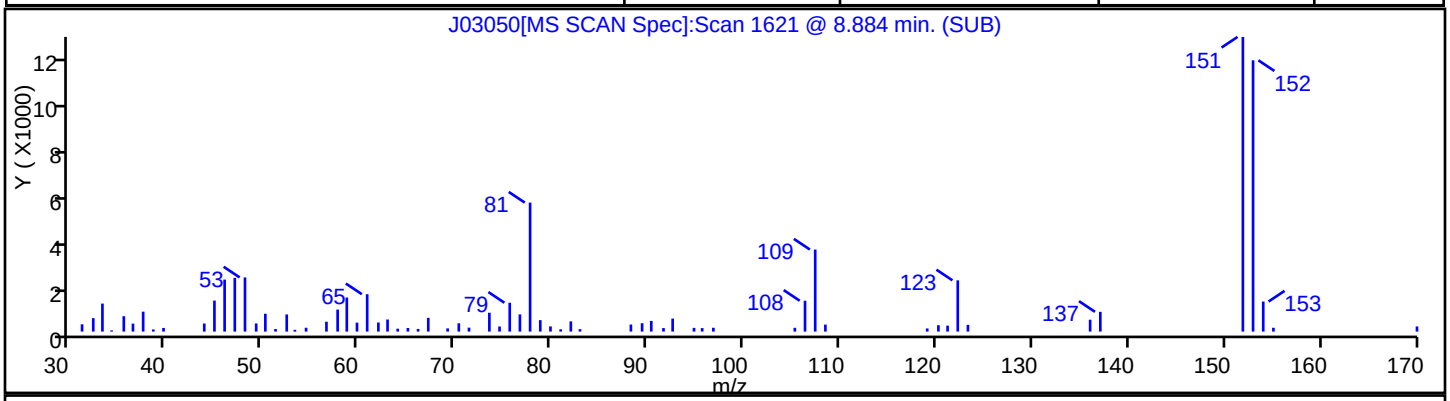
Lims Batch ID: 49259 Lims Sample ID: 12

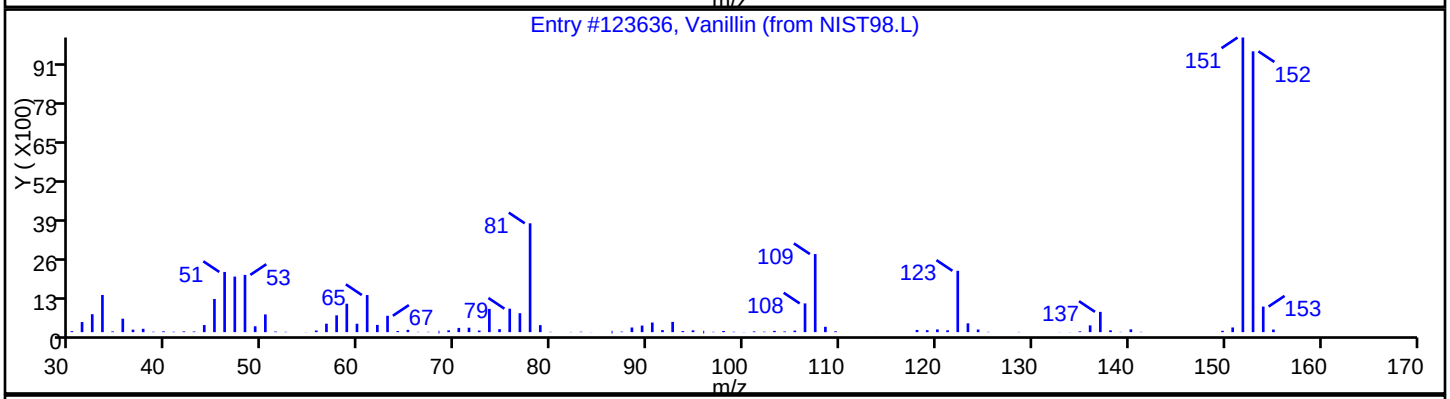
Client ID: Instrument: Inst. J

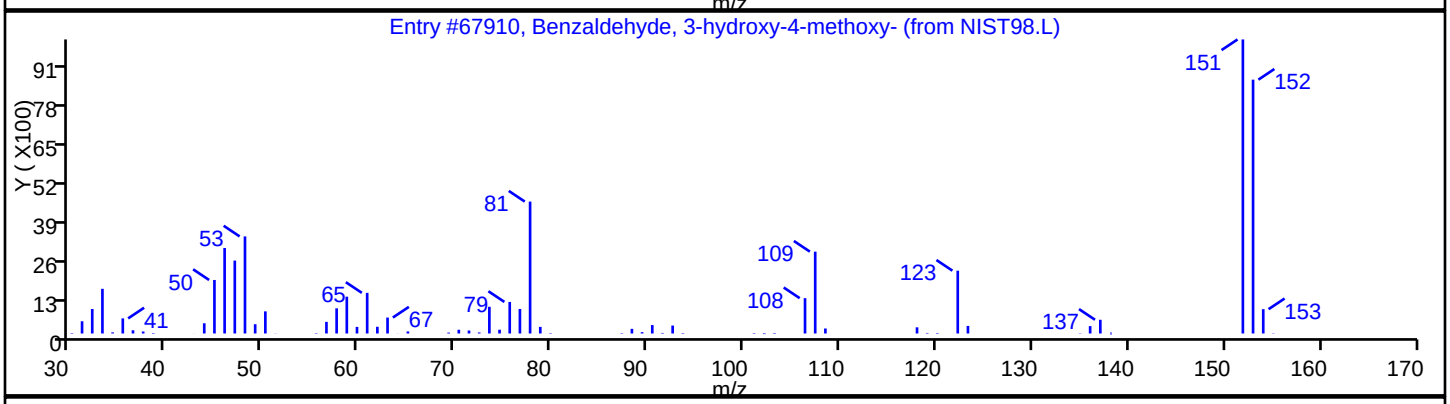
Sample Info: mb 360-48924/1-a

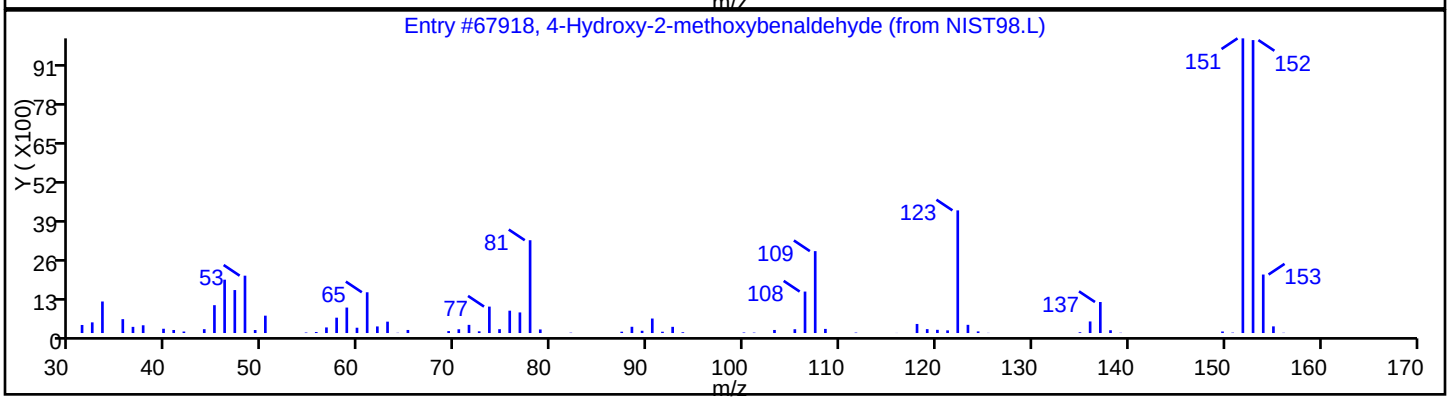
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Vanillin	121-33-5	NIST98.L	123636	98
Benzaldehyde, 3-hydroxy-4-methoxy-	621-59-0	NIST98.L	67910	95
4-Hydroxy-2-methoxybenaldehyde	18278-34-7	NIST98.L	67918	91









Report Date: 23-Sep-2009 14:52:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D

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

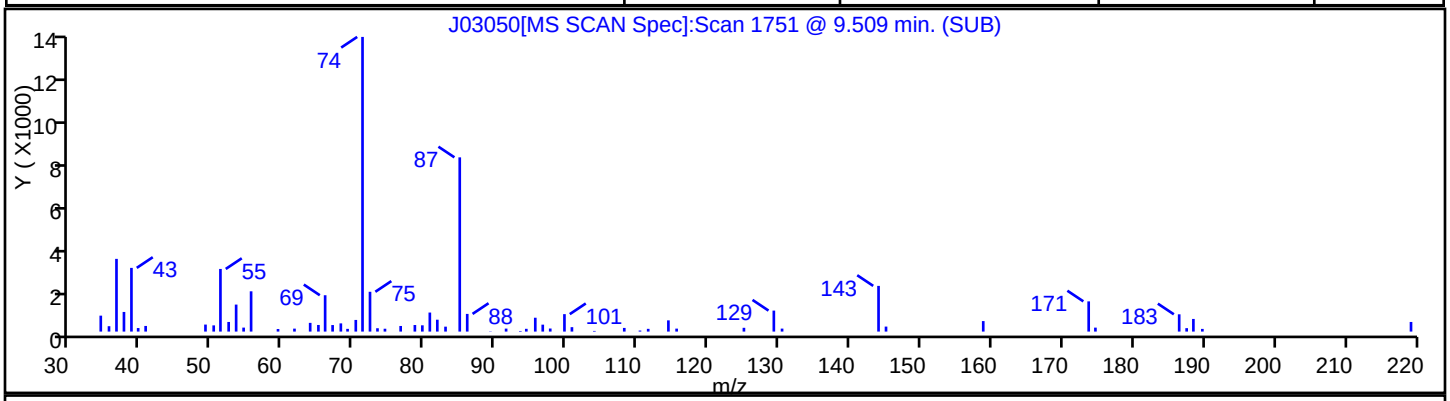
Lims Batch ID: 49259 Lims Sample ID: 12

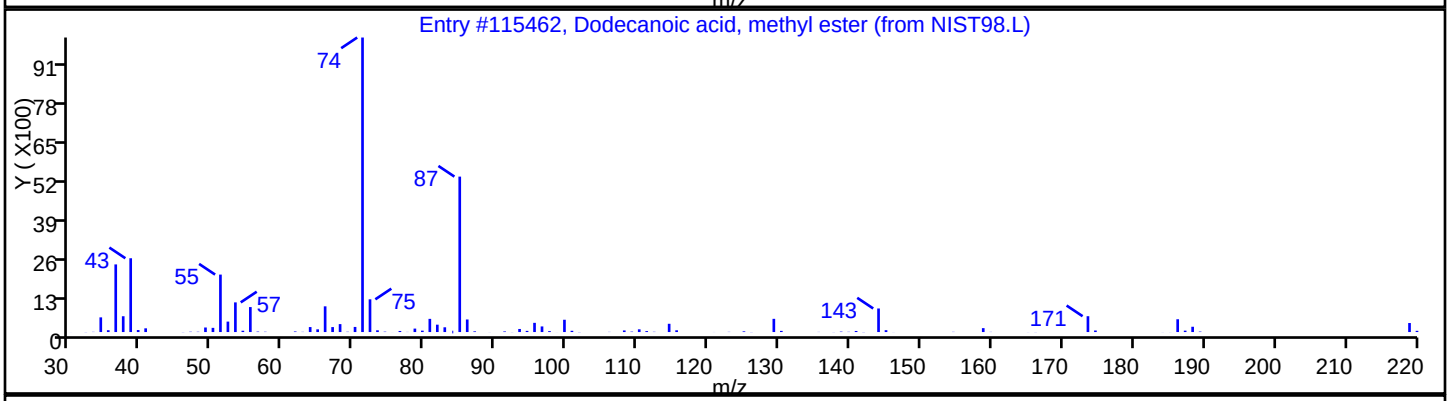
Client ID: Instrument: Inst. J

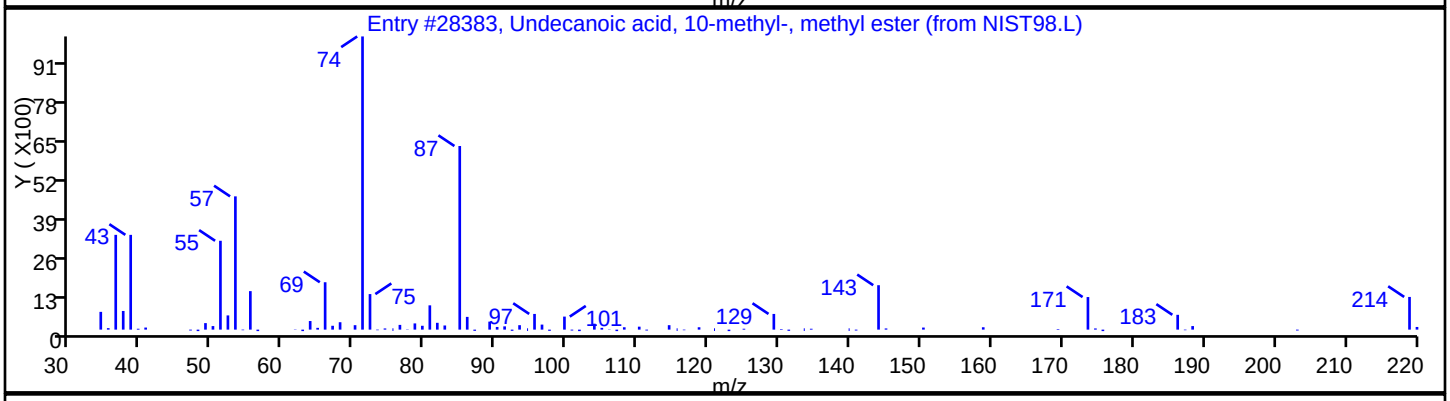
Sample Info: mb 360-48924/1-a

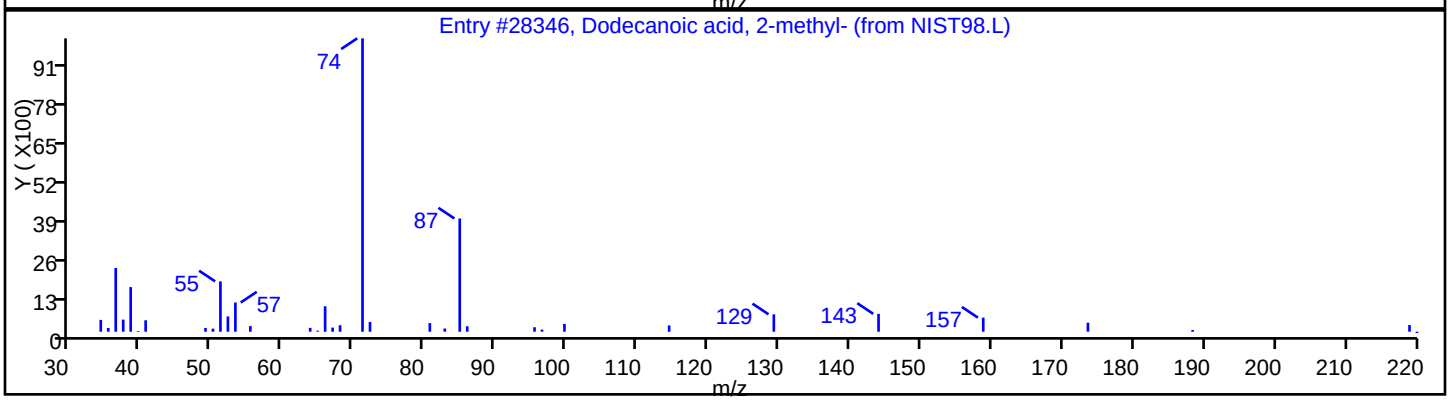
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Dodecanoic acid, methyl ester	111-82-0	NIST98.L	115462	97
Undecanoic acid, 10-methyl-, methyl este	5129-56-6	NIST98.L	28383	90
Dodecanoic acid, 2-methyl-	2874-74-0	NIST98.L	28346	87









Report Date: 23-Sep-2009 14:52:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D

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

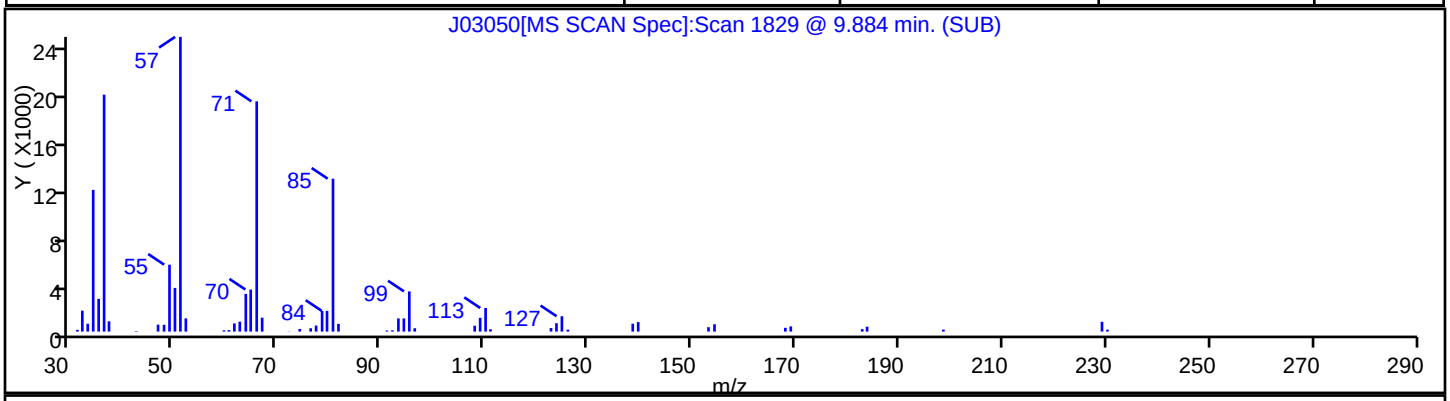
Lims Batch ID: 49259 Lims Sample ID: 12

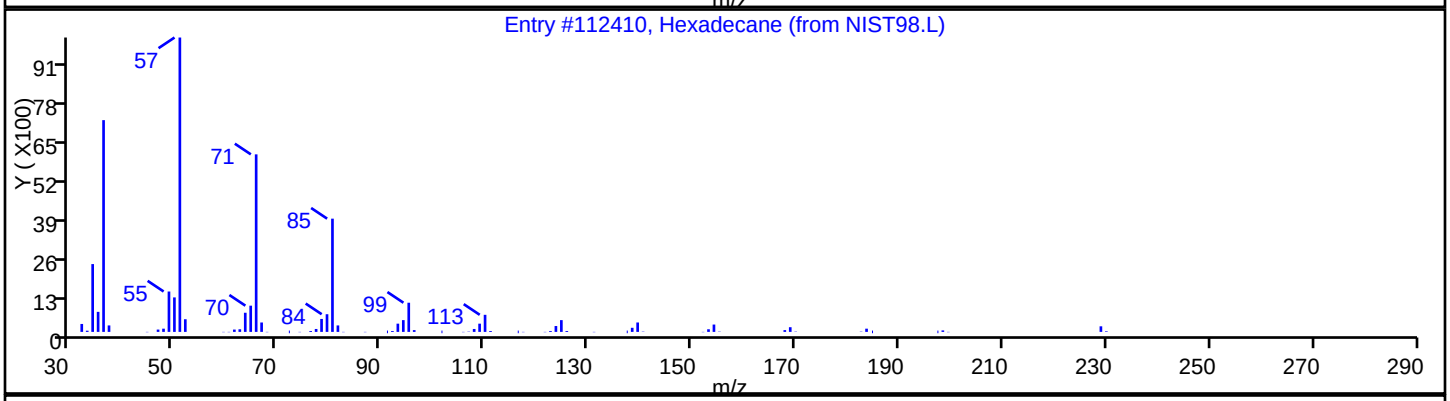
Client ID: Instrument: Inst. J

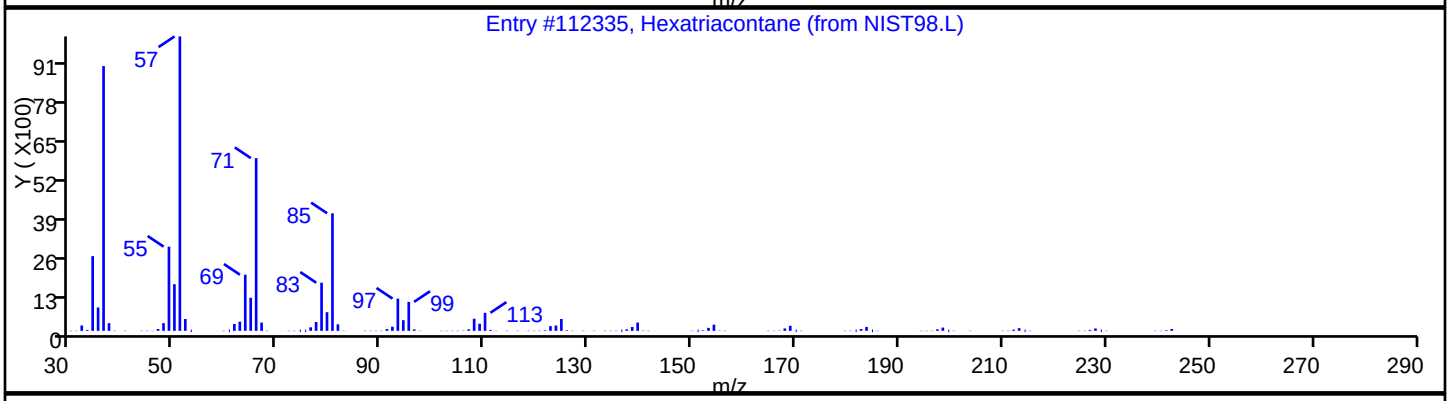
Sample Info: mb 360-48924/1-a

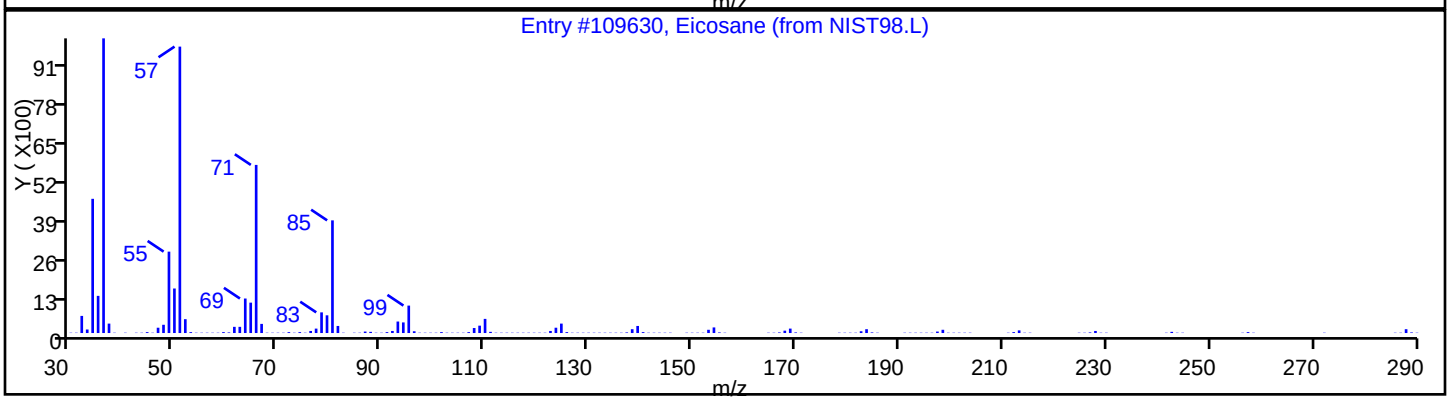
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecane	544-76-3	NIST98.L	112410	98
Hexatriacontane	630-6-8	NIST98.L	112335	91
Eicosane	112-95-8	NIST98.L	109630	91









Report Date: 23-Sep-2009 14:52:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D

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

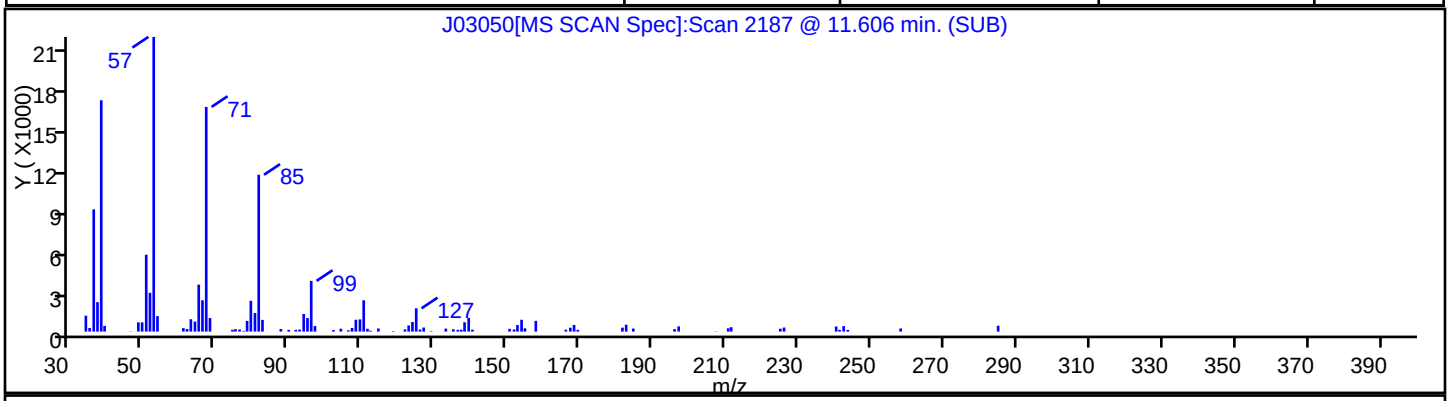
Lims Batch ID: 49259 Lims Sample ID: 12

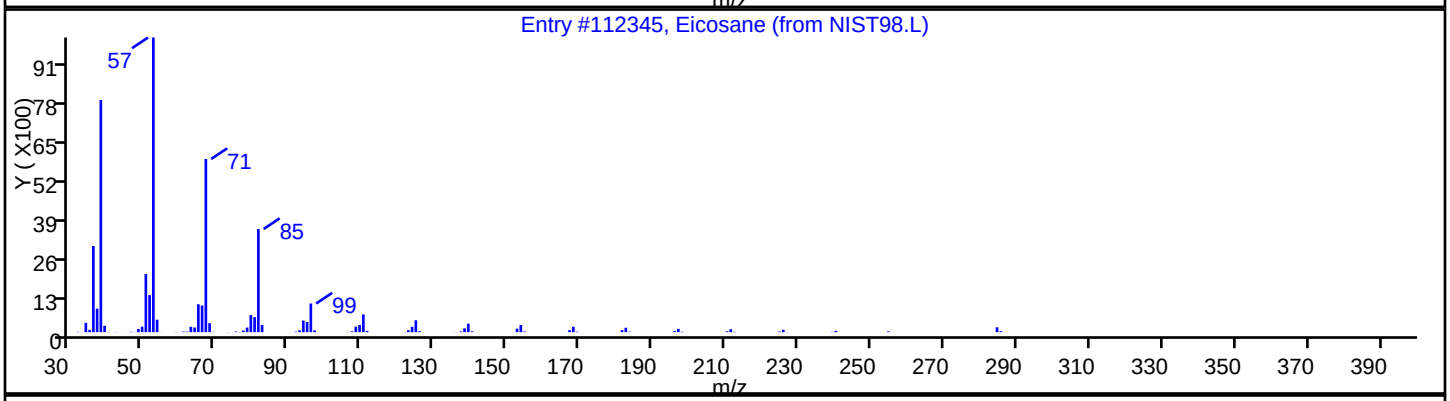
Client ID: Instrument: Inst. J

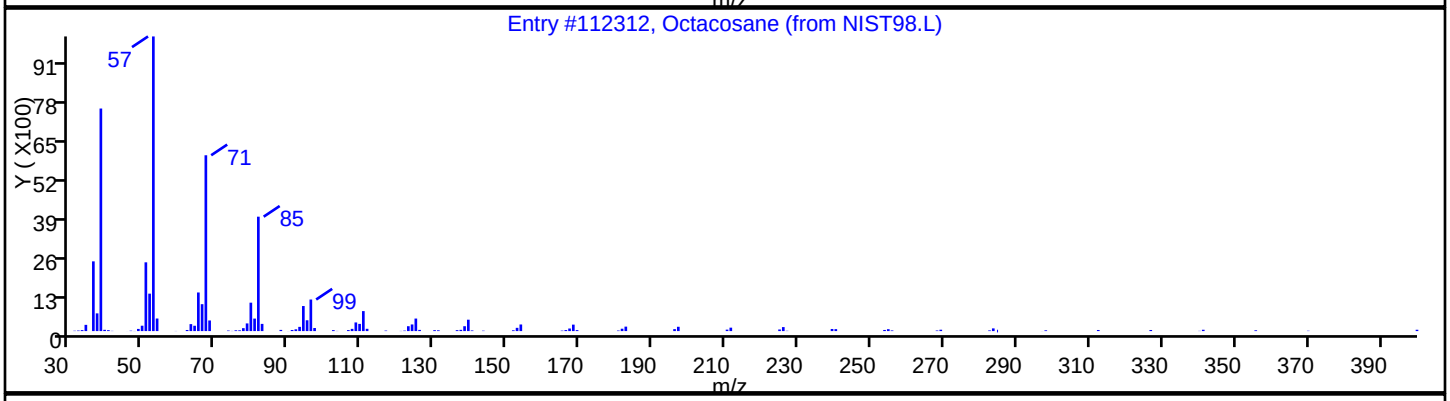
Sample Info: mb 360-48924/1-a

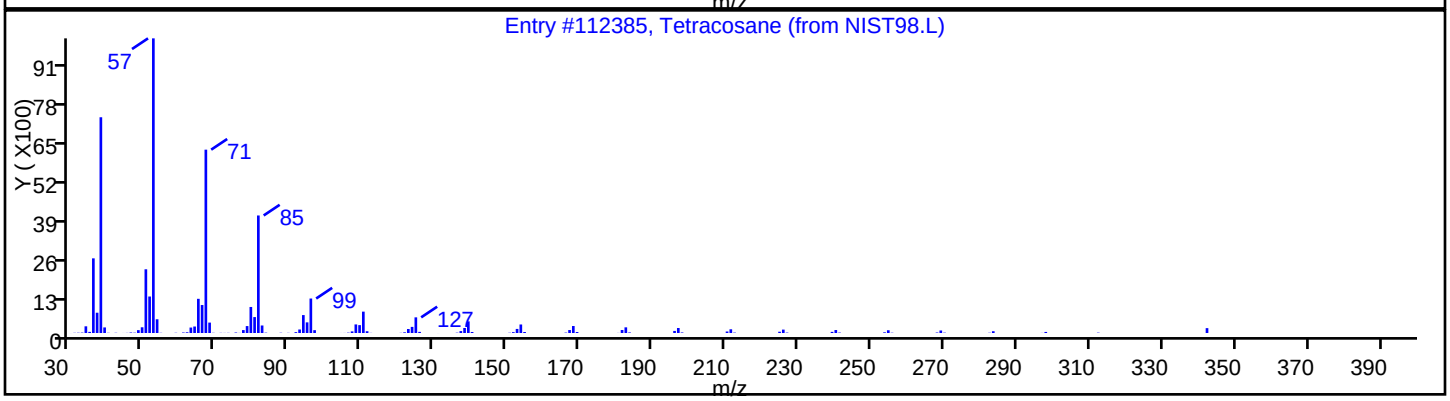
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112345	96
Octacosane	630-2-4	NIST98.L	112312	90
Tetracosane	646-31-1	NIST98.L	112385	90









Report Date: 23-Sep-2009 14:52:12 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03050.D

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

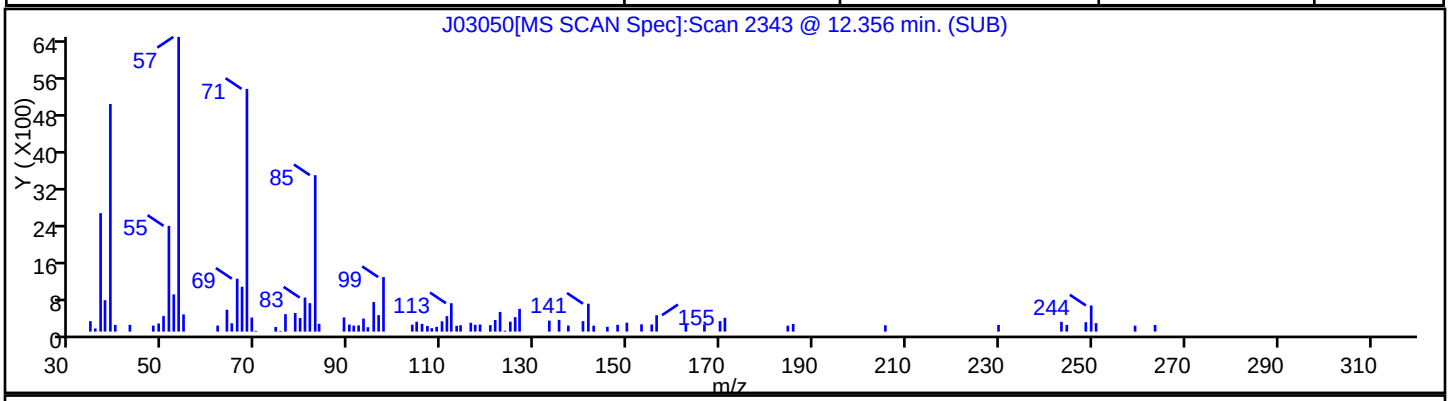
Lims Batch ID: 49259 Lims Sample ID: 12

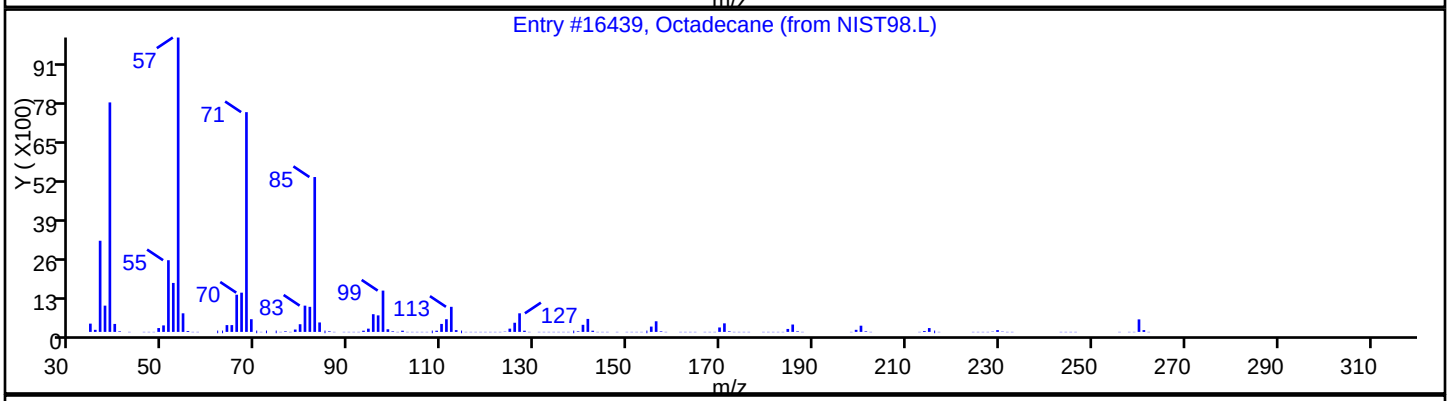
Client ID: Instrument: Inst. J

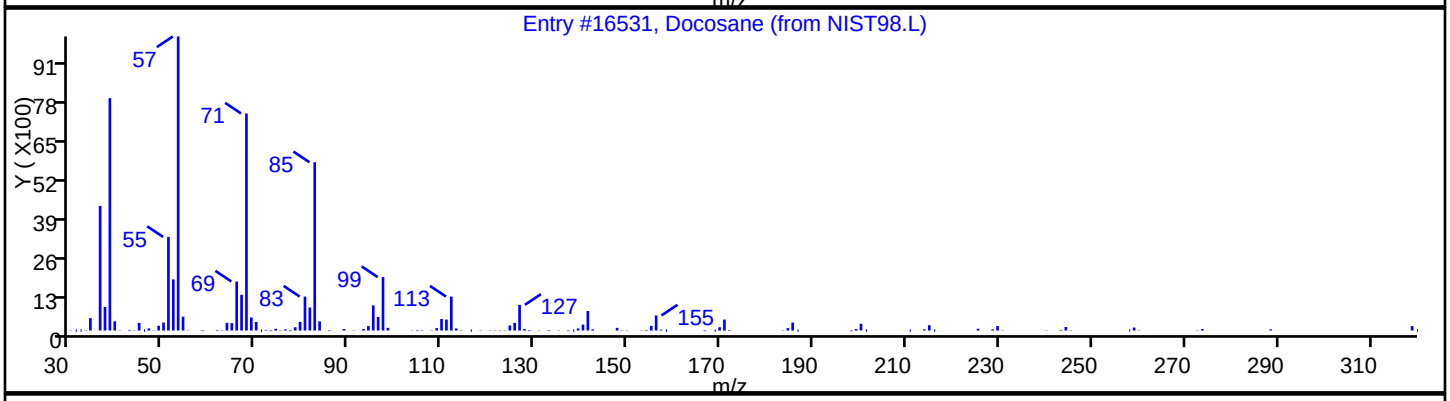
Sample Info: mb 360-48924/1-a

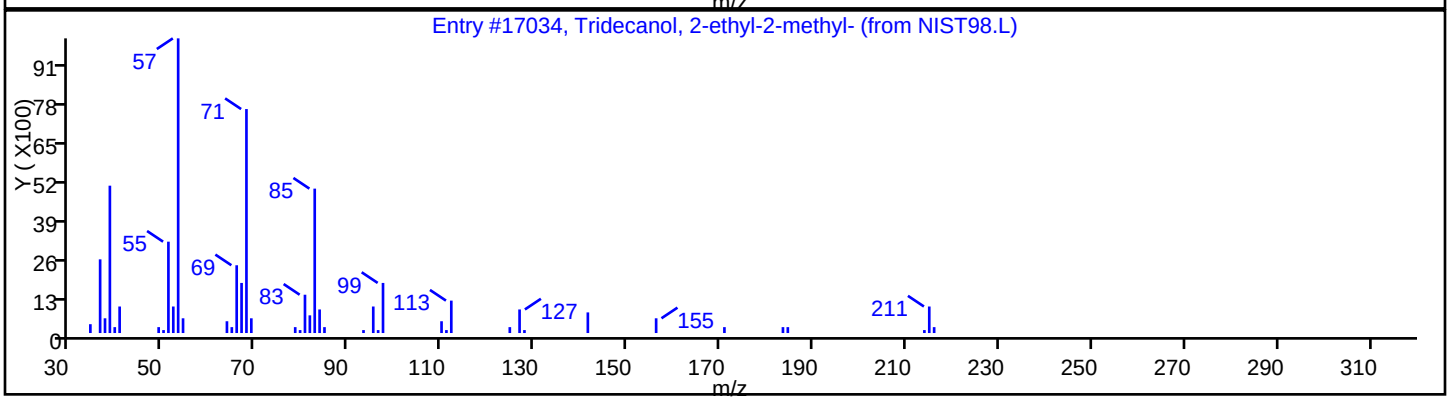
Sample Amount: 1.00 ul Operator:

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecane	593-45-3	NIST98.L	16439	91
Docosane	629-97-0	NIST98.L	16531	91
Tridecanol, 2-ethyl-2-methyl-	1000115-66-1	NIST98.L	17034	91









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID:
Lab Sample ID: MB 360-48958/1-A
Matrix: Solid
Lab File ID: J03102.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3550B
Date Extracted: 09/15/2009 12:06
Sample wt/vol: 100.00(g)
Date Analyzed: 09/23/2009 23:03
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.: 49397
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	ND		5.0	1.2

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	61	30-130	
367-12-4	2-Fluorophenol	63	30-130	
321-60-8	2-Fluorobiphenyl	64	30-130	
4165-60-0	Nitrobenzene-d5	51	30-130	
4165-62-2	Phenol-d5	69	30-130	
1718-51-0	Terphenyl-d14	82	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03102.D		
Lims ID:	MB 360-48958/1-A	Client ID:	
Inject. Date:	23-Sep-2009 23:03:30	Dil. Factor:	1.0000
Sample Type:	MB, Method Blank		
Sample ID:	MB		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49397	Lims Sample ID:	14
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 19:04:34	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	25-Sep-2009 19:05:22

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	8.576	8.573	0.003	70839	2.00	
* 2 Naphthalene-d8	136	9.889	9.890	-0.001	170081	2.00	
* 3 Acenaphthene-d10	164	11.687	11.689	-0.002	84787	2.00	
* 4 Phenanthrene-d10	188	13.183	13.179	0.004	138626	2.00	
* 5 Chrysene-d12	240	16.011	16.007	0.003	92215	2.00	
* 6 Perylene-d12	264	17.910	17.911	-0.001	46698	2.00	
$ 7 2-Fluorophenol	112	7.234	7.236	-0.002	140448	6.33	
$ 8 Phenol-d5	99	8.191	8.193	-0.002	187986	6.90	
$ 9 Nitrobenzene-d5	82	9.172	9.174	-0.002	66910	2.53	
$ 10 2-Fluorobiphenyl	172	10.961	10.958	0.003	180884	3.21	
$ 11 2,4,6-Tribromophenol	330	12.490	12.492	-0.002	35987	6.09	
$ 12 Terphenyl-d14	244	14.779	14.776	0.003	157655	4.11	
17 Benzaldehyde	105	8.143	8.140	0.003	1200	0.0800	
18 Phenol	94	8.206	8.202	0.004	2637	0.0907	
19 Aniline	93	8.283	8.274	0.009	797	0.0236	
20 Bis(2-chloroethyl)ether	93	8.312	8.308	0.004	368	0.0152	
22 1,4-Dichlorobenzene	146	8.542	8.539	0.003	406	0.0148	
23 1,3-Dichlorobenzene	146	8.591	8.592	-0.001	453	0.0160	
24 Benzyl alcohol	79	8.711	8.712	-0.001	1142	0.0607	
25 1,2-Dichlorobenzene	146	8.792	8.794	-0.002	393	0.0147	
26 2-Methylphenol	108	8.711	8.813	-0.102	747	0.0357	
27 2,2'-oxybis[1-chloropropane]	45	8.850	8.851	-0.001	288	0.0123	
29 N-Nitrosodi-n-propylamine	70	9.172	8.996	0.176	10734	0.6820	
30 Acetophenone	105	8.999	9.001	-0.001	1460	0.0476	
32 Nitrobenzene	77	9.187	9.193	-0.006	711	0.0265	
36 Benzoic acid	105	9.519	9.532	-0.013	1425	0.3164	
40 Alpha-Terpineol	59	9.850	9.847	0.003	5358	0.3236	
41 Naphthalene	128	9.913	9.909	0.004	1710	0.0222	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
44 Caprolactam	55	10.259	10.260	-0.001	322	0.1463	
46 2-Methylnaphthalene	142	10.596	10.597	-0.001	632	0.0131	
47 1-Methylnaphthalene	142	10.596	10.712	-0.116	632	0.0133	
52 1,1'-Biphenyl	154	11.062	11.059	0.003	341	0.005736	7
55 2-Nitroaniline	65	11.226	11.222	0.004	44	0.0837	
57 2,6-Dinitrotoluene	165	11.303	11.482	-0.179	412	0.0800	
59 3-Nitroaniline	138	11.711	11.636	0.075	142	0.0823	
61 Acenaphthene	153	11.721	11.720	0.001	515	0.0111	
62 4-Nitrophenol	109	11.721	11.739	-0.018	207	0.4934	
64 Dibenzofuran	168	11.870	11.871	-0.001	685	0.0108	
63 2,4-Dinitrotoluene	165	11.875	11.876	-0.001	151	0.1166	
66 Diethyl phthalate	149	12.067	12.069	-0.002	5790	0.1124	
69 Fluorene	166	12.221	12.222	-0.001	623	0.0125	
71 Diphenylamine	169	12.490	12.304	0.186	1938	0.0449	
72 N-Nitrosodiphenylamine	169	12.490	12.304	0.186	1938	0.0449	
74 Azobenzene	77	12.375	12.338	0.037	3349	0.0648	
73 1,2-Diphenylhydrazine	77	12.375	12.338	0.037	3349	0.0648	
75 4-Bromophenyl phenyl ether	248	12.490	12.679	-0.189	2494	0.1950	
80 Phenanthrene	178	13.207	13.203	0.004	4350	0.0608	
81 Anthracene	178	13.207	13.251	-0.044	4350	0.0679	
83 Carbazole	167	13.289	13.396	-0.107	788	0.0139	
84 Di-n-butyl phthalate	149	13.678	13.679	-0.001	417482	5.02	
85 Pyrene	202	14.433	14.434	-0.001	1630	0.0275	
86 Benzidine	184	14.515	14.531	-0.016	91	0.3878	
87 Fluoranthene	202	14.688	14.689	-0.001	1262	0.0190	
89 Butyl benzyl phthalate	149	15.275	15.271	0.004	4391	0.1883	
92 Bis(2-ethylhexyl) phthalate	149	15.852	15.853	-0.001	158252	3.93	
91 3,3'-Dichlorobenzidine	252	15.934	15.925	0.009	367	0.0883	
93 Benzo[a]anthracene	228	15.986	15.983	0.003	774	0.0191	
95 Di-n-octyl phthalate	149	16.539	16.521	0.018	2922	0.4935	
97 Benzo[b]fluoranthene	252	17.218	17.325	-0.107	74	0.0660	
98 Benzo[k]fluoranthene	252	17.458	17.353	0.105	145	0.0874	
99 Benzo[a]pyrene	252	17.872	17.820	0.052	54	0.1436	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 25-Sep-2009 19:05:23 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03102.D

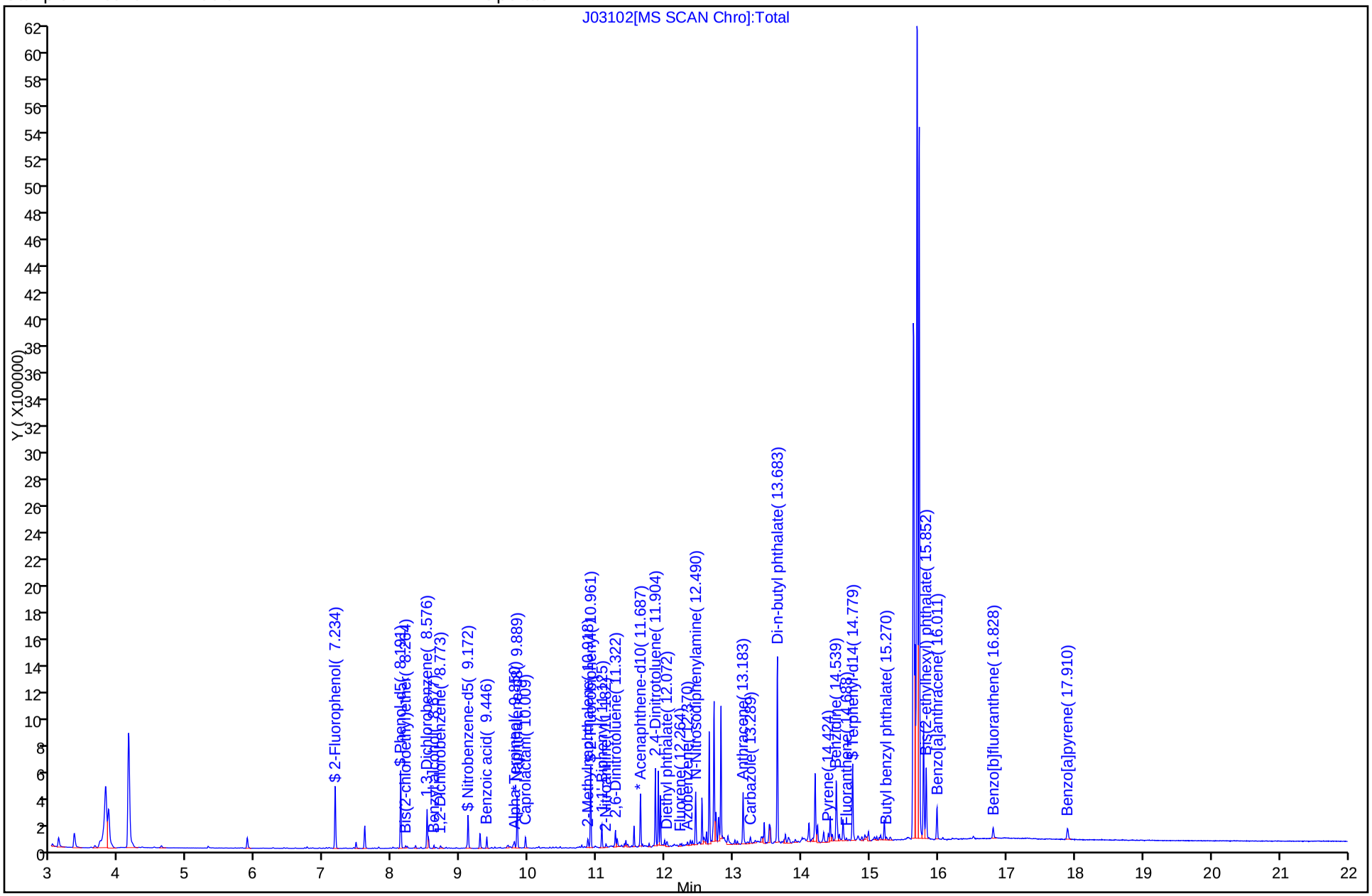
Inj Date: 23-Sep-2009 23:03:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49397 Lims Sample ID: 14

Client ID: Instrument: Inst. J

Sample Info: MB

Sample Amount: 1.00 ul Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID:
Lab Sample ID: LCS 360-48800/2-A
Matrix: Solid
Lab File ID: J02918.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3550B
Date Extracted: 09/10/2009 12:11
Sample wt/vol: 100.00(g)
Date Analyzed: 09/12/2009 12:17
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.: 48876
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	68.8		5.0	1.2

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	85	30-130	
367-12-4	2-Fluorophenol	56	30-130	
321-60-8	2-Fluorobiphenyl	72	30-130	
4165-60-0	Nitrobenzene-d5	70	30-130	
4165-62-2	Phenol-d5	59	30-130	
1718-51-0	Terphenyl-d14	84	30-130	

Report Date: 12-Sep-2009 13:42:53 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02918.D		
Lims ID:	LCS 360-48800/2-A	Client ID:	
Inject. Date:	12-Sep-2009 12:17:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS 360-48800/2A		
Misc. Info.:	360-0001151-004		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	48876	Lims Sample ID:	4
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\8270NDMA.m		
Last Update:	12-Sep-2009 13:42:52	Calib Date:	10-Sep-2009 20:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02891.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By: rachtank Date: 12-Sep-2009 13:42:52

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.008	5.009	-0.001	255013	2.00	
* 2 Naphthalene-d8	136	6.234	6.230	0.004	495437	2.00	
* 3 Acenaphthene-d10	164	7.956	7.957	-0.001	250491	2.00	
* 4 Phenanthrene-d10	188	9.422	9.423	-0.001	404559	2.00	
* 5 Chrysene-d12	240	12.058	12.054	0.004	242819	2.00	
* 6 Perylene-d12	264	13.496	13.491	0.005	147765	2.00	
$ 7 2-Fluorophenol	112	3.777	3.773	0.004	465244	5.62	
$ 8 Phenol-d5	99	4.667	4.663	0.004	600765	5.95	
$ 9 Nitrobenzene-d5	82	5.542	5.538	0.004	262150	3.51	
$ 10 2-Fluorobiphenyl	172	7.292	7.293	-0.001	586162	3.58	
$ 11 2,4,6-Tribromophenol	330	8.740	8.736	0.004	129931	8.45	
$ 12 Terphenyl-d14	244	11.005	11.001	0.004	453256	4.22	
15 N-Nitrosodimethylamine	42	2.392	2.388	0.004	235823	6.88	
14 1,4-Dioxane	88	3.570	3.575	-0.005	149		
16 Pyridine	79	3.772	3.677	0.095	3710		
24 Benzyl alcohol	79	5.393	5.393	0.000	162253		
26 2-Methylphenol	108	5.398	5.393	0.005	544348	6.77	
30 Acetophenone	105	5.720	5.720	0.000	296		
20 Bis(2-chloroethyl)ether	93	5.840	5.836	0.004	46		
27 2,2'-oxybis[1-chloropropane]	45	6.095	6.076	0.019	2105		
21 2-Chlorophenol	128	6.095	6.096	-0.001	21399		
31 Hexachloroethane	117	6.095	6.100	-0.005	229		
23 1,3-Dichlorobenzene	146	6.177	6.177	0.000	20960		
22 1,4-Dichlorobenzene	146	6.177	6.177	0.000	20960		
32 Nitrobenzene	77	6.148	6.177	-0.029	1367		
35 2,4-Dimethylphenol	107	6.177	6.177	0.000	8976		
18 Phenol	94	6.263	6.264	-0.001	42283		
29 N-Nitrosodi-n-propylamine	70	6.263	6.264	-0.001	2700		
37 Bis(2-chloroethoxy)methane	93	6.263	6.264	-0.001	289640		
36 Benzoic acid	105	6.263	6.264	-0.001	20215		
28 3 & 4 Methylphenol	108	6.302	6.317	-0.015	385		

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
19 Aniline	93	6.364	6.365	-0.001	889		
40 Alpha-Terpineol	59	6.374	6.374	0.000	8828		
39 1,2,4-Trichlorobenzene	180	6.374	6.374	0.000	306		
38 2,4-Dichlorophenol	162	6.571	6.524	0.047	79		
41 Naphthalene	128	6.657	6.648	0.009	46		
42 4-Chloroaniline	127	6.710	6.701	0.009	130		
25 1,2-Dichlorobenzene	146	6.782	6.788	-0.006	828		
45 4-Chloro-3-methylphenol	107	6.989	6.990	-0.001	5535		
48 Hexachlorocyclopentadiene	237	7.085	7.086	-0.001	75006		
46 2-Methylnaphthalene	142	7.244	7.221	0.023	760		
50 2,4,6-Trichlorophenol	196	7.244	7.245	-0.001	331036		
51 2,4,5-Trichlorophenol	196	7.244	7.245	-0.001	331036		
49 1,2,4,5-Tetrachlorobenzene	216	7.379	7.375	0.004	430	9.72	
53 2-Chloronaphthalene	162	7.432	7.432	0.000	1104	0.0176	
55 2-Nitroaniline	65	7.513	7.514	-0.001	333283	14.8	
56 Dimethyl phthalate	163	7.696	7.692	0.004	1306531	8.39	
57 2,6-Dinitrotoluene	165	7.754	7.755	-0.001	289719	8.15	
58 Acenaphthylene	152	7.816	7.817	-0.001	1670453	8.13	
33 Isophorone	82	7.913	7.908	0.004	784	0.0539	
59 3-Nitroaniline	138	7.917	7.918	-0.001	264908	7.69	
34 2-Nitrophenol	139	7.946	7.961	-0.015	487	0.2219	
61 Acenaphthene	153	7.989	7.990	-0.001	1217670	8.67	
62 4-Nitrophenol	109	8.090	8.086	0.004	121371	8.33	
63 2,4-Dinitrotoluene	165	8.153	8.154	-0.001	342041	7.79	
64 Dibenzofuran	168	8.163	8.240	-0.077	1484630	7.61	
66 Diethyl phthalate	149	8.393	8.389	0.004	1393801	8.79	
69 Fluorene	166	8.499	8.495	0.004	1358633	8.88	
67 4-Chlorophenyl phenyl ether	204	8.499	8.500	-0.001	546057	7.57	
68 4-Nitroaniline	138	8.523	8.519	0.004	236450	6.76	
70 4,6-Dinitro-2-methylphenol	198	8.557	8.558	-0.001	72218	5.97	
74 Azobenzene	77	8.658	8.654	0.004	1356399	5.80	
60 2,4-Dinitrophenol	184	8.658	8.668	-0.010	4415	6.66	
72 N-Nitrosodiphenylamine	169	8.980	8.981	-0.001	45068	8.67	
75 4-Bromophenyl phenyl ether	248	9.047	9.043	0.004	5497	0.1439	
76 Hexachlorobenzene	284	9.047	9.048	-0.001	324909	8.32	
73 1,2-Diphenylhydrazine	77	9.283	9.245	0.038	5081	11.4	
78 Pentachlorophenol	266	9.245	9.247	-0.002	117114	16.2	
79 Pentachloronitrobenzene	237	9.254	9.255	-0.001	147395	9.18	
80 Phenanthrene	178	9.451	9.447	0.004	1824428		
81 Anthracene	178	9.451	9.447	0.004	1824428		
83 Carbazole	167	9.658	9.659	-0.001	1381519		
84 Di-n-butyl phthalate	149	10.009	10.005	0.004	3937077		
86 Benzidine	184	10.649	10.625	0.024	98		
85 Pyrene	202	10.625	10.625	0.000	1577481		
87 Fluoranthene	202	10.721	10.746	-0.025	667		
88 4,4'-DDD	235	11.279	11.286	-0.007	499		
89 Butyl benzyl phthalate	149	11.490	11.486	0.004	906950		
93 Benzo[a]anthracene	228	12.048	12.044	0.004	1172151		
94 Chrysene	228	12.048	12.044	0.004	1169550		
92 Bis(2-ethylhexyl) phthalate	149	12.072	12.073	-0.001	1367901		
95 Di-n-octyl phthalate	149	12.606	12.607	-0.001	1721		
91 3,3'-Dichlorobenzidine	252	12.678	12.678	0.000	52		

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
97 Benzo[b]fluoranthene	252	13.443	13.439	0.004	613535		
98 Benzo[k]fluoranthene	252	13.443	13.439	0.004	613535		
99 Benzo[a]pyrene	252	14.270	14.266	0.004	120		

Report Date: 12-Sep-2009 13:42:53 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02918.D

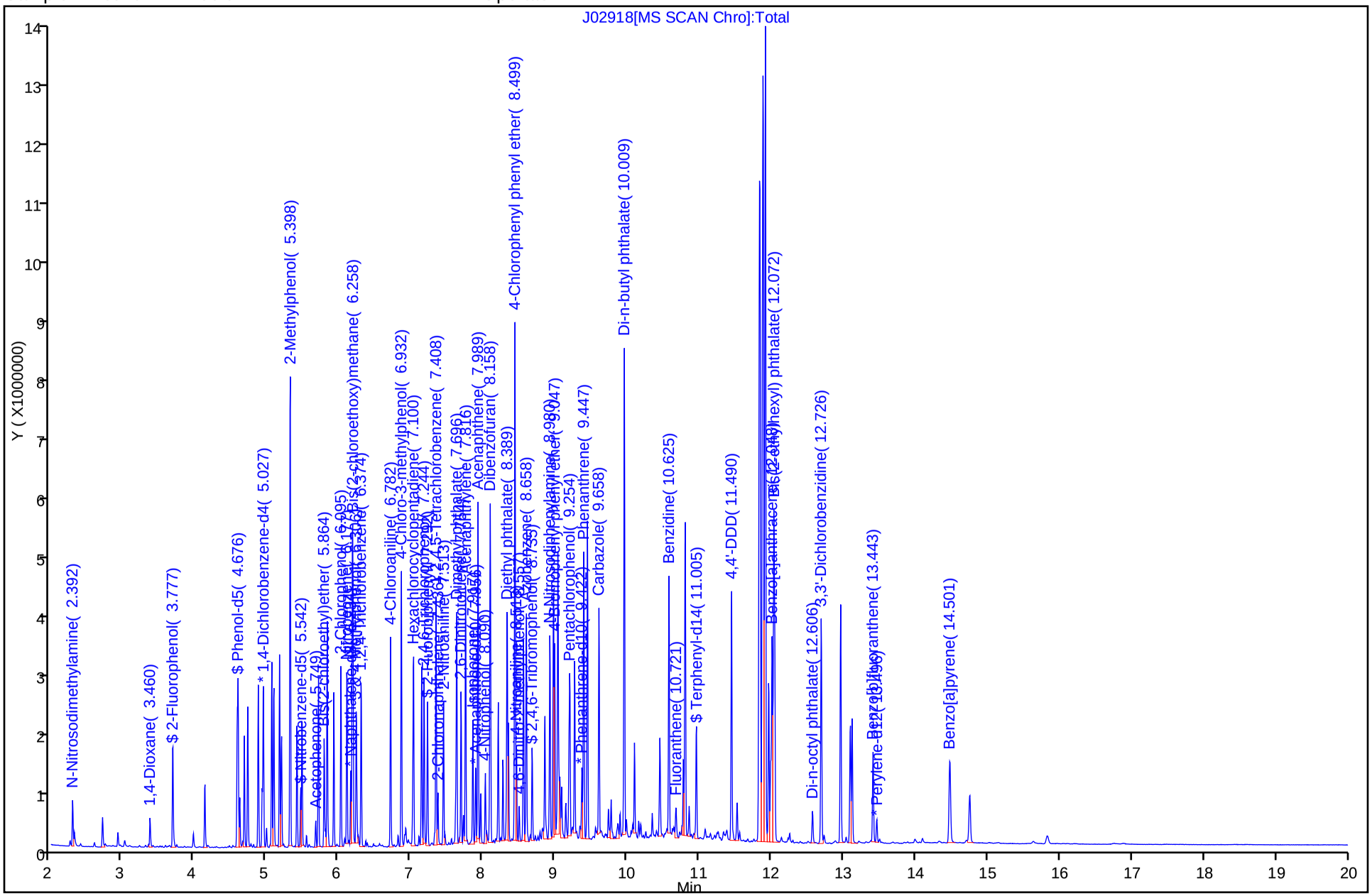
Inj Date: 12-Sep-2009 12:17:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48876 Lims Sample ID: 4

Client ID: Instrument: Inst. J

Sample Info: LCS 360-48800/2A

Sample Amount: 1.00 uL Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48854/2-A

Matrix: Solid | Lab File ID: B10450.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:05

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.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	263		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	218		33	10
120-82-1	1,2,4-Trichlorobenzene	222		33	10
95-50-1	1,2-Dichlorobenzene	230		33	10
541-73-1	1,3-Dichlorobenzene	190		33	10
106-46-7	1,4-Dichlorobenzene	190		33	10
90-12-0	1-Methylnaphthalene	218		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	208		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	228		33	10
95-95-4	2,4,5-Trichlorophenol	264		33	10
88-06-2	2,4,6-Trichlorophenol	250		33	10
120-83-2	2,4-Dichlorophenol	240		33	10
105-67-9	2,4-Dimethylphenol	241		33	13
51-28-5	2,4-Dinitrophenol	192		33	10
121-14-2	2,4-Dinitrotoluene	246		33	10
606-20-2	2,6-Dinitrotoluene	268		33	10
91-58-7	2-Chloronaphthalene	199		33	10
95-57-8	2-Chlorophenol	223		33	10
91-57-6	2-Methylnaphthalene	209		33	10
95-48-7	2-Methylphenol	240		33	20
88-74-4	2-Nitroaniline	268		170	10
88-75-5	2-Nitrophenol	250		33	10
15831-10-4	3 & 4 Methylphenol	249		33	10
91-94-1	3,3'-Dichlorobenzidine	242		67	10
99-09-2	3-Nitroaniline	247		170	10
534-52-1	4,6-Dinitro-2-methylphenol	232		170	10
101-55-3	4-Bromophenyl phenyl ether	263		33	10
59-50-7	4-Chloro-3-methylphenol	274		67	10
106-47-8	4-Chloroaniline	171		67	10
7005-72-3	4-Chlorophenyl phenyl ether	262		33	10
100-01-6	4-Nitroaniline	263		170	10
100-02-7	4-Nitrophenol	281		170	10
83-32-9	Acenaphthene	294		33	10
208-96-8	Acenaphthylene	251		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48854/2-A

Matrix: Solid | Lab File ID: B10450.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:05

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.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	228		33	10
62-53-3	Aniline	91.1		33	10
120-12-7	Anthracene	310		33	10
1912-24-9	Atrazine	282		33	10
103-33-3	Azobenzene	264		33	10
100-52-7	Benzaldehyde	248		33	10
56-55-3	Benzo[a]anthracene	314		33	10
50-32-8	Benzo[a]pyrene	327		33	10
205-99-2	Benzo[b]fluoranthene	267		33	10
191-24-2	Benzo[g,h,i]perylene	329		33	10
207-08-9	Benzo[k]fluoranthene	289		33	10
65-85-0	Benzoic acid	118	J	170	15
119-61-9	Benzophenone	285		33	10
100-51-6	Benzyl alcohol	256		67	28
111-91-1	Bis(2-chloroethoxy)methane	208		33	10
111-44-4	Bis(2-chloroethyl)ether	201		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	271		33	10
85-68-7	Butyl benzyl phthalate	259		33	10
105-60-2	Caprolactam	271		33	10
86-74-8	Carbazole	286		33	10
218-01-9	Chrysene	296		33	10
53-70-3	Dibenz(a,h)anthracene	350		33	10
132-64-9	Dibenzofuran	251		33	10
84-66-2	Diethyl phthalate	270		33	10
131-11-3	Dimethyl phthalate	260		33	10
84-74-2	Di-n-butyl phthalate	321		33	29
117-84-0	Di-n-octyl phthalate	238		33	17
101-84-8	Diphenyl oxide	229		33	10
206-44-0	Fluoranthene	293		33	10
86-73-7	Fluorene	312		33	10
118-74-1	Hexachlorobenzene	261		33	10
87-68-3	Hexachlorobutadiene	193		33	10
77-47-4	Hexachlorocyclopentadiene	181		67	10
67-72-1	Hexachloroethane	203		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48854/2-A

Matrix: Solid | Lab File ID: B10450.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:05

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.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	351		33	10
78-59-1	Isophorone	196		33	10
91-20-3	Naphthalene	243		80	10
98-95-3	Nitrobenzene	212		33	10
62-75-9	N-Nitrosodimethylamine	219		33	12
621-64-7	N-Nitrosodi-n-propylamine	244		33	10
86-30-6	N-Nitrosodiphenylamine	187		33	10
87-86-5	Pentachlorophenol	239		33	10
85-01-8	Phenanthrene	279		40	10
108-95-2	Phenol	232		33	10
129-00-0	Pyrene	241		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	71	30-130	
367-12-4	2-Fluorophenol	64	30-130	
321-60-8	2-Fluorobiphenyl	68	30-130	
4165-60-0	Nitrobenzene-d5	58	30-130	
4165-62-2	Phenol-d5	67	30-130	
1718-51-0	Terphenyl-d14	57	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10450.D		
Lims ID:	LCS 360-48854/2-A	Client ID:	
Inject. Date:	21-Sep-2009 21:05:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-48742/2-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49265	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:10:56	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:10:56

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.905	7.900	0.005	581995	2.00	
* 2 Naphthalene-d8	136	9.030	9.030	0.000	1527961	2.00	
* 3 Acenaphthene-d10	164	10.535	10.535	0.000	572280	2.00	
* 4 Phenanthrene-d10	188	11.805	11.800	0.005	973557	2.00	
* 5 Chrysene-d12	240	15.407	15.397	0.010	744880	2.00	
* 6 Perylene-d12	264	17.845	17.840	0.005	480175	2.00	
$ 7 2-Fluorophenol	112	6.664	6.630	0.034	1040963	6.35	
$ 8 Phenol-d5	99	7.530	7.520	0.010	1265018	6.71	
$ 9 Nitrobenzene-d5	82	8.391	8.390	0.001	570424	2.91	
$ 10 2-Fluorobiphenyl	172	9.925	9.924	0.001	1292987	3.42	
$ 11 2,4,6-Tribromophenol	330	11.204	11.204	0.000	252230	7.09	
$ 12 Terphenyl-d14	244	13.425	13.425	0.000	1007967	2.84	
14 1,4-Dioxane	88	4.481	4.351	0.130	223023	5.14	M
15 N-Nitrosodimethylamine	42	4.991	4.928	0.063	745588	6.57	
16 Pyridine	79	5.044	4.967	0.077	723908	5.56	
17 Benzaldehyde	105	7.506	7.506	0.000	802292	7.45	
18 Phenol	94	7.544	7.534	0.010	1384795	6.95	
19 Aniline	93	7.597	7.597	0.000	658063	2.73	
20 Bis(2-chloroethyl)ether	93	7.636	7.635	0.001	1000920	6.04	
21 2-Chlorophenol	128	7.717	7.708	0.009	1143944	6.69	
22 1,4-Dichlorobenzene	146	7.857	7.852	0.005	1230037	5.69	
23 1,3-Dichlorobenzene	146	7.919	7.919	0.000	1289983	5.70	
24 Benzyl alcohol	79	8.011	8.001	0.010	930959	7.69	
25 1,2-Dichlorobenzene	146	8.059	8.059	0.000	1211792	6.89	
26 2-Methylphenol	108	8.092	8.083	0.009	1097744	7.21	
27 2,2'-oxybis[1-chloropropane]	45	8.116	8.116	0.000	1888500	6.25	
28 3 & 4 Methylphenol	108	8.217	8.212	0.005	1192259	7.48	
29 N-Nitrosodi-n-propylamine	70	8.232	8.232	0.000	826393	7.32	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.251	8.246	0.005	1542621	6.85	
31 Hexachloroethane	117	8.366	8.366	0.000	459928	6.08	
32 Nitrobenzene	77	8.410	8.410	0.000	1232695	6.37	
33 Isophorone	82	8.607	8.607	0.000	1832331	5.89	
35 2,4-Dimethylphenol	107	8.684	8.679	0.005	1296252	7.22	
34 2-Nitrophenol	139	8.689	8.689	0.000	682687	7.51	
36 Benzoic acid	105	8.722	8.713	0.009	153198	3.54	M
37 Bis(2-chloroethoxy)methane	93	8.766	8.765	0.001	1217082	6.23	
38 2,4-Dichlorophenol	162	8.891	8.891	0.000	1042024	7.19	
39 1,2,4-Trichlorobenzene	180	8.972	8.972	0.000	1014132	6.67	
40 Alpha-Terpineol	59	9.020	9.020	0.000	1014039	6.36	
41 Naphthalene	128	9.049	9.049	0.000	3485559	7.29	
42 4-Chloroaniline	127	9.073	9.068	0.005	1223945	5.13	
43 Hexachlorobutadiene	225	9.136	9.136	0.000	527046	5.80	
44 Caprolactam	55	9.372	9.352	0.020	522417	8.14	
45 4-Chloro-3-methylphenol	107	9.453	9.448	0.005	1111717	8.22	
46 2-Methylnaphthalene	142	9.636	9.636	0.000	2435507	6.28	
47 1-Methylnaphthalene	142	9.723	9.727	-0.004	2476063	6.54	
48 Hexachlorocyclopentadiene	237	9.761	9.766	-0.005	372449	5.43	
49 1,2,4,5-Tetrachlorobenzene	216	9.775	9.780	-0.005	1004965	6.54	
50 2,4,6-Trichlorophenol	196	9.862	9.862	0.000	728821	7.50	
51 2,4,5-Trichlorophenol	196	9.901	9.896	0.004	806913	7.92	
52 1,1'-Biphenyl	154	10.021	10.021	0.000	3162303	7.88	
53 2-Chloronaphthalene	162	10.059	10.059	0.000	2235731	5.98	
54 Phenyl ether	170	10.102	10.102	0.000	1696307	6.87	
68 4-Nitroaniline	138	10.127	10.122	0.004	886276	7.88	
56 Dimethyl phthalate	163	10.242	10.237	0.005	2769774	7.81	
57 2,6-Dinitrotoluene	165	10.309	10.309	0.000	634803	8.05	
58 Acenaphthylene	152	10.420	10.420	0.000	3594682	7.52	
59 3-Nitroaniline	138	10.468	10.463	0.005	643870	7.41	
60 2,4-Dinitrophenol	184	10.550	10.550	0.000	148444	5.77	
62 4-Nitrophenol	109	10.569	10.559	0.010	445771	8.44	
61 Acenaphthene	153	10.564	10.564	0.000	2962617	8.82	
63 2,4-Dinitrotoluene	165	10.655	10.655	0.000	840607	7.37	
64 Dibenzofuran	168	10.708	10.703	0.005	3296389	7.54	
65 2,3,4,6-Tetrachlorophenol	232	10.795	10.795	0.000	511405	6.83	
66 Diethyl phthalate	149	10.824	10.824	0.000	2925803	8.10	
67 4-Chlorophenyl phenyl ether	204	10.963	10.963	0.000	1275809	7.87	
55 2-Nitroaniline	65	10.992	10.982	0.010	817880	8.03	
69 Fluorene	166	10.997	10.997	0.000	3436025	9.35	
70 4,6-Dinitro-2-methylphenol	198	11.007	11.002	0.005	364698	6.97	
72 N-Nitrosodiphenylamine	169	11.059	11.059	0.000	1779831	5.61	
74 Azobenzene	77	11.103	11.103	0.000	4594376	7.93	
73 1,2-Diphenylhydrazine	77	11.103	11.103	0.000	4594376	7.93	
13 Benzophenone	105	11.112	11.112	0.000	2979444	8.56	
75 4-Bromophenyl phenyl ether	248	11.386	11.386	0.000	703059	7.88	
77 Atrazine	200	11.473	11.468	0.005	900275	8.47	
76 Hexachlorobenzene	284	11.473	11.473	0.000	675655	7.84	
78 Pentachlorophenol	266	11.627	11.625	0.002	348101	7.17	
79 Pentachloronitrobenzene	237	11.636	11.636	0.000	321201	7.54	
80 Phenanthrene	178	11.824	11.824	0.000	4223086	8.38	
81 Anthracene	178	11.867	11.867	0.000	4388636	9.30	

Report Date: 22-Sep-2009 11:10:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10450.D

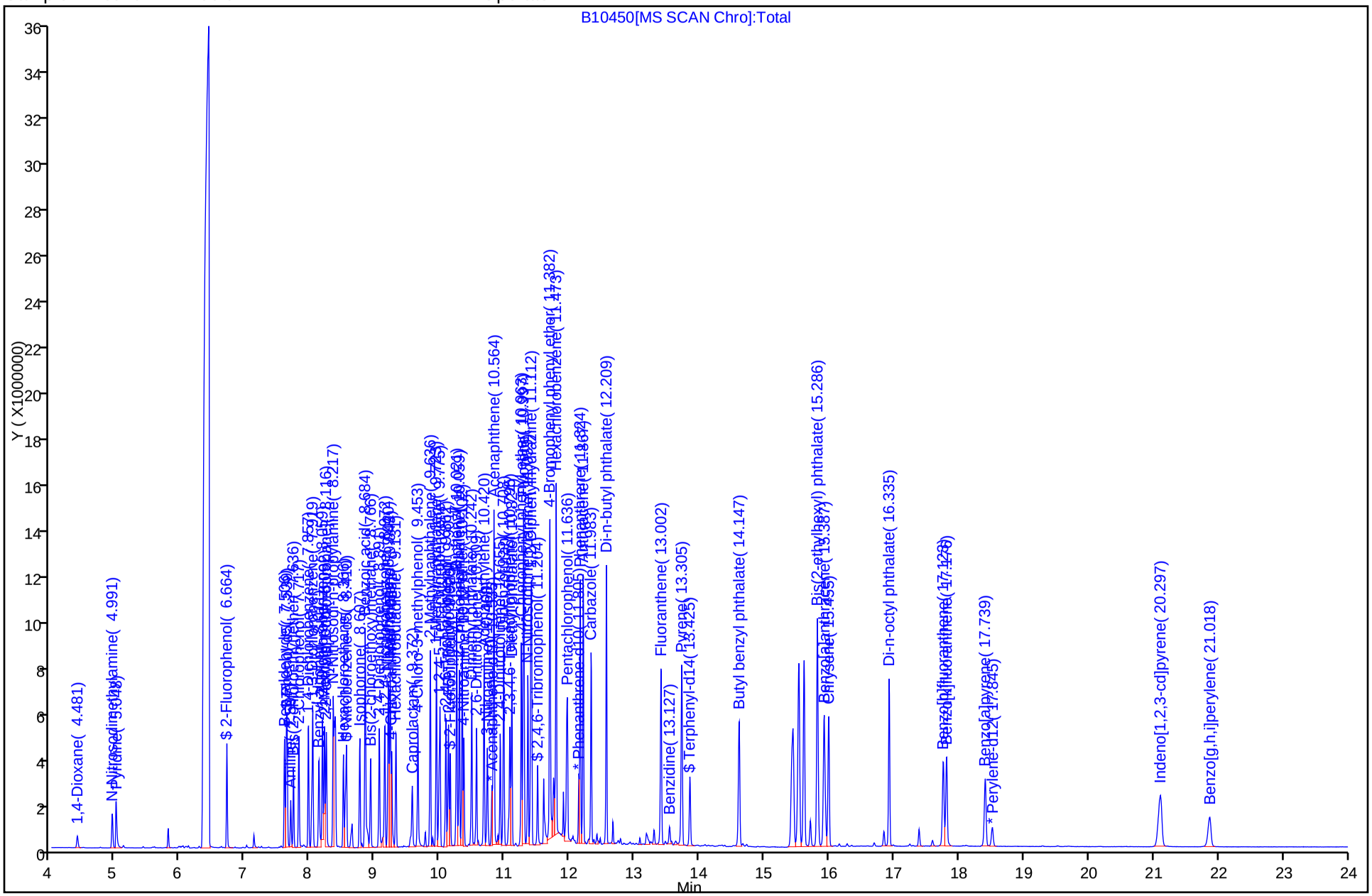
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.983	11.983	0.000	3424398	8.59	
84 Di-n-butyl phthalate	149	12.209	12.204	0.005	5721969	9.63	
87 Fluoranthene	202	13.007	13.002	0.005	3825594	8.78	
86 Benzidine	184	13.108	13.102	0.006	18382	0.4702	
85 Pyrene	202	13.310	13.305	0.005	4380205	7.24	
89 Butyl benzyl phthalate	149	14.147	14.142	0.005	1953665	7.78	
92 Bis(2-ethylhexyl) phthalate	149	15.286	15.281	0.005	2936028	8.12	
91 3,3'-Dichlorobenzidine	252	15.296	15.286	0.010	818298	7.27	
93 Benzo[a]anthracene	228	15.387	15.378	0.009	3102879	9.42	
94 Chrysene	228	15.455	15.445	0.010	2866492	8.89	
95 Di-n-octyl phthalate	149	16.335	16.335	0.000	4171134	7.14	
97 Benzo[b]fluoranthene	252	17.128	17.123	0.005	2369389	8.01	
98 Benzo[k]fluoranthene	252	17.176	17.166	0.010	2352086	8.67	
99 Benzo[a]pyrene	252	17.739	17.734	0.005	1980655	9.82	
100 Indeno[1,2,3-cd]pyrene	276	20.283	20.268	0.015	1704847	10.5	
101 Dibenz(a,h)anthracene	278	20.307	20.302	0.005	1398563	10.5	
102 Benzo[g,h,i]perylene	276	21.018	20.999	0.019	1381742	9.88	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 11:10:57 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10450.D		
Inj Date:	21-Sep-2009 21:05:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49265	Lims Sample ID:	13
Client ID:		Instrument:	Inst. B
Sample Info:	lcs 360-48742/2-a		
Sample Amount:	1.00 ul	Operator:	MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48924/2-A

Matrix: Solid | Lab File ID: J03051.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:20

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

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

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

Analysis Batch No.: 49259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	293		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	277		33	10
120-82-1	1,2,4-Trichlorobenzene	245		33	10
95-50-1	1,2-Dichlorobenzene	202		33	10
541-73-1	1,3-Dichlorobenzene	199		33	10
106-46-7	1,4-Dichlorobenzene	201		33	10
90-12-0	1-Methylnaphthalene	272		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	222		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	270		33	10
95-95-4	2,4,5-Trichlorophenol	311		33	10
88-06-2	2,4,6-Trichlorophenol	306		33	10
120-83-2	2,4-Dichlorophenol	292		33	10
105-67-9	2,4-Dimethylphenol	312		33	13
51-28-5	2,4-Dinitrophenol	226		33	10
121-14-2	2,4-Dinitrotoluene	292		33	10
606-20-2	2,6-Dinitrotoluene	311		33	10
91-58-7	2-Chloronaphthalene	206		33	10
95-57-8	2-Chlorophenol	234		33	10
91-57-6	2-Methylnaphthalene	269		33	10
95-48-7	2-Methylphenol	254		33	20
88-74-4	2-Nitroaniline	291		170	10
88-75-5	2-Nitrophenol	276		33	10
15831-10-4	3 & 4 Methylphenol	267		33	10
91-94-1	3,3'-Dichlorobenzidine	329		67	10
99-09-2	3-Nitroaniline	336		170	10
534-52-1	4,6-Dinitro-2-methylphenol	270		170	10
101-55-3	4-Bromophenyl phenyl ether	297		33	10
59-50-7	4-Chloro-3-methylphenol	306		67	10
106-47-8	4-Chloroaniline	262		67	10
7005-72-3	4-Chlorophenyl phenyl ether	290		33	10
100-01-6	4-Nitroaniline	313		170	10
100-02-7	4-Nitrophenol	314		170	10
83-32-9	Acenaphthene	317		33	10
208-96-8	Acenaphthylene	290		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48924/2-A

Matrix: Solid | Lab File ID: J03051.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:20

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

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

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

Analysis Batch No.: 49259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	254		33	10
62-53-3	Aniline	103		33	10
120-12-7	Anthracene	367		33	10
1912-24-9	Atrazine	343		33	10
103-33-3	Azobenzene	312		33	10
100-52-7	Benzaldehyde	254		33	10
56-55-3	Benzo[a]anthracene	363		33	10
50-32-8	Benzo[a]pyrene	354		33	10
205-99-2	Benzo[b]fluoranthene	322		33	10
191-24-2	Benzo[g,h,i]perylene	385		33	10
207-08-9	Benzo[k]fluoranthene	346		33	10
65-85-0	Benzoic acid	113	J	170	15
119-61-9	Benzophenone	331		33	10
100-51-6	Benzyl alcohol	237		67	28
111-91-1	Bis(2-chloroethoxy)methane	282		33	10
111-44-4	Bis(2-chloroethyl)ether	216		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	351		33	10
85-68-7	Butyl benzyl phthalate	323		33	10
105-60-2	Caprolactam	313		33	10
86-74-8	Carbazole	337		33	10
218-01-9	Chrysene	348		33	10
53-70-3	Dibenz(a,h)anthracene	355		33	10
132-64-9	Dibenzofuran	282		33	10
84-66-2	Diethyl phthalate	325		33	10
131-11-3	Dimethyl phthalate	305		33	10
84-74-2	Di-n-butyl phthalate	397		33	29
117-84-0	Di-n-octyl phthalate	318		33	17
101-84-8	Diphenyl oxide	290		33	10
206-44-0	Fluoranthene	348		33	10
86-73-7	Fluorene	348		33	10
118-74-1	Hexachlorobenzene	289		33	10
87-68-3	Hexachlorobutadiene	252		33	10
77-47-4	Hexachlorocyclopentadiene	233		67	10
67-72-1	Hexachloroethane	215		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCS 360-48924/2-A

Matrix: Solid | Lab File ID: J03051.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:20

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

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

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

Analysis Batch No.: 49259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	354		33	10
78-59-1	Isophorone	235		33	10
91-20-3	Naphthalene	257		80	10
98-95-3	Nitrobenzene	281		33	10
62-75-9	N-Nitrosodimethylamine	253		33	12
621-64-7	N-Nitrosodi-n-propylamine	249		33	10
86-30-6	N-Nitrosodiphenylamine	230		33	10
87-86-5	Pentachlorophenol	313		33	10
85-01-8	Phenanthrene	313		40	10
108-95-2	Phenol	245		33	10
129-00-0	Pyrene	338		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	84	30-130	
367-12-4	2-Fluorophenol	66	30-130	
321-60-8	2-Fluorobiphenyl	78	30-130	
4165-60-0	Nitrobenzene-d5	79	30-130	
4165-62-2	Phenol-d5	70	30-130	
1718-51-0	Terphenyl-d14	82	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03051.D		
Lims ID:	LCS 360-48924/2-A	Client ID:	
Inject. Date:	21-Sep-2009 20:20:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	lcs 360-48924/2-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	49259	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 14:52:10	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 15:03:30

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.301	6.296	0.005	92497	2.00	
* 2 Naphthalene-d8	136	7.642	7.637	0.005	177578	2.00	
* 3 Acenaphthene-d10	164	9.369	9.369	0.000	85345	2.00	
* 4 Phenanthrene-d10	188	10.806	10.802	0.004	136487	2.00	
* 5 Chrysene-d12	240	13.374	13.369	0.005	93876	2.00	
* 6 Perylene-d12	264	14.706	14.706	0.000	64218	2.00	
$ 7 2-Fluorophenol	112	4.492	4.430	0.062	195017	6.63	
$ 8 Phenol-d5	99	5.974	5.959	0.015	240654	6.99	
$ 9 Nitrobenzene-d5	82	6.916	6.916	0.000	109559	3.96	
$ 10 2-Fluorobiphenyl	172	8.734	8.734	0.000	211504	3.91	
$ 11 2,4,6-Tribromophenol	330	10.138	10.136	0.002	52787	8.44	
$ 12 Terphenyl-d14	244	12.384	12.386	-0.002	163487	4.10	
14 1,4-Dioxane	88	1.439	1.357	0.082	49490	4.34	
16 Pyridine	79	1.751	1.670	0.081	155432	5.72	
15 N-Nitrosodimethylamine	74	1.737	1.674	0.063	110736	7.58	
19 Aniline	93	5.926	5.921	0.005	131007	3.08	
18 Phenol	94	5.988	5.978	0.010	272736	7.35	
20 Bis(2-chloroethyl)ether	93	6.055	6.050	0.005	200012	6.49	
21 2-Chlorophenol	128	6.060	6.050	0.010	212389	7.02	
22 1,4-Dichlorobenzene	146	6.224	6.224	0.000	214406	6.04	
23 1,3-Dichlorobenzene	146	6.320	6.320	0.000	220523	5.96	
25 1,2-Dichlorobenzene	146	6.479	6.478	0.001	211578	6.05	
24 Benzyl alcohol	79	6.503	6.498	0.005	192081	7.10	
26 2-Methylphenol	108	6.656	6.652	0.004	198942	7.63	
27 2,2'-oxybis[1-chloropropane]	45	6.671	6.666	0.005	213353	6.67	
30 Acetophenone	105	6.772	6.767	0.005	293129	7.61	
17 Benzaldehyde	105	6.772	6.767	0.005	293129	7.61	
29 N-Nitrosodi-n-propylamine	70	6.801	6.796	0.005	153871	7.47	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	6.825	6.825	0.000	216692	8.02	
31 Hexachloroethane	117	6.839	6.839	0.000	88636	6.45	
32 Nitrobenzene	77	6.935	6.935	0.000	233991	8.42	
33 Isophorone	82	7.200	7.200	0.000	360469	7.06	
34 2-Nitrophenol	139	7.272	7.272	0.000	112353	8.27	
35 2,4-Dimethylphenol	107	7.363	7.363	0.000	235118	9.36	
37 Bis(2-chloroethoxy)methane	93	7.455	7.455	0.000	241100	8.46	
36 Benzoic acid	105	7.464	7.476	-0.012	13952	3.38	
38 2,4-Dichlorophenol	162	7.522	7.522	0.000	171903	8.76	
39 1,2,4-Trichlorobenzene	180	7.599	7.594	0.005	171320	7.35	
41 Naphthalene	128	7.661	7.661	0.000	617796	7.70	
40 Alpha-Terpineol	59	7.710	7.710	0.000	142881	7.93	
42 4-Chloroaniline	127	7.748	7.743	0.005	222460	7.87	
43 Hexachlorobutadiene	225	7.815	7.811	0.005	96680	7.56	
44 Caprolactam	55	8.085	8.052	0.033	77480	9.39	
45 4-Chloro-3-methylphenol	107	8.263	8.253	0.010	213195	9.18	
46 2-Methylnaphthalene	142	8.359	8.359	0.000	408595	8.07	
47 1-Methylnaphthalene	142	8.450	8.450	0.000	404968	8.17	
48 Hexachlorocyclopentadiene	237	8.522	8.522	0.000	65689	6.98	
49 1,2,4,5-Tetrachlorobenzene	216	8.527	8.527	0.000	161015	8.31	
50 2,4,6-Trichlorophenol	196	8.652	8.652	0.000	116585	9.19	
51 2,4,5-Trichlorophenol	196	8.686	8.684	0.002	123231	9.34	
52 1,1'-Biphenyl	154	8.825	8.825	0.000	500043	8.78	
53 2-Chloronaphthalene	162	8.830	8.830	0.000	367000	6.19	
54 Phenyl ether	170	8.936	8.936	0.000	272528	8.70	
68 4-Nitroaniline	138	8.950	8.945	0.005	143190	9.38	
56 Dimethyl phthalate	163	9.152	9.152	0.000	465539	9.15	
63 2,4-Dinitrotoluene	165	9.200	9.200	0.000	103904	8.75	
58 Acenaphthylene	152	9.229	9.224	0.005	592751	8.71	
61 Acenaphthene	153	9.402	9.397	0.005	443388	9.52	
60 2,4-Dinitrophenol	184	9.465	9.465	0.000	19682	6.77	
62 4-Nitrophenol	109	9.547	9.535	0.012	65116	9.43	
64 Dibenzofuran	168	9.571	9.571	0.000	530707	8.46	
57 2,6-Dinitrotoluene	165	9.590	9.590	0.000	139097	9.32	
65 2,3,4,6-Tetrachlorophenol	232	9.705	9.700	0.005	81471	8.11	
66 Diethyl phthalate	149	9.849	9.845	0.004	502772	9.74	
69 Fluorene	166	9.902	9.902	0.000	508227	10.4	
67 4-Chlorophenyl phenyl ether	204	9.926	9.926	0.000	204180	8.70	
59 3-Nitroaniline	138	9.946	9.936	0.010	98165	10.1	
70 4,6-Dinitro-2-methylphenol	198	9.984	9.979	0.005	52020	8.09	
72 N-Nitrosodiphenylamine	169	10.047	10.042	0.005	280476	6.91	
74 Azobenzene	77	10.076	10.075	0.001	785896	9.35	
73 1,2-Diphenylhydrazine	77	10.076	10.075	0.001	785896	9.35	
13 Benzophenone	105	10.090	10.090	0.000	494326	9.92	
75 4-Bromophenyl phenyl ether	248	10.398	10.393	0.005	113086	8.91	
55 2-Nitroaniline	65	10.393	10.393	0.000	17464	8.74	
76 Hexachlorobenzene	284	10.441	10.436	0.005	122792	8.66	
77 Atrazine	200	10.595	10.590	0.005	134047	10.3	
78 Pentachlorophenol	266	10.643	10.641	0.002	60464	9.38	
79 Pentachloronitrobenzene	237	10.653	10.648	0.005	56712	9.24	
80 Phenanthrene	178	10.830	10.826	0.004	647590	9.38	
81 Anthracene	178	10.879	10.874	0.005	652919	11.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.052	11.047	0.005	516869	10.1	
84 Di-n-butyl phthalate	149	11.446	11.446	0.000	1010334	11.9	
87 Fluoranthene	202	11.980	11.980	0.000	573358	10.4	
86 Benzidine	184	12.143	12.146	-0.003	4277	0.9271	
85 Pyrene	202	12.196	12.191	0.005	648254	10.1	
89 Butyl benzyl phthalate	149	12.893	12.893	0.000	325084	9.70	
93 Benzo[a]anthracene	228	13.365	13.365	0.000	460565	10.9	
91 3,3'-Dichlorobenzidine	252	13.370	13.367	0.003	117673	9.86	
94 Chrysene	228	13.398	13.394	0.004	424277	10.4	
92 Bis(2-ethylhexyl) phthalate	149	13.480	13.476	0.004	484837	10.5	
95 Di-n-octyl phthalate	149	14.091	14.089	0.002	636182	9.53	
97 Benzo[b]fluoranthene	252	14.370	14.365	0.005	380684	9.66	
98 Benzo[k]fluoranthene	252	14.394	14.389	0.005	382540	10.4	
99 Benzo[a]pyrene	252	14.658	14.653	0.005	307007	10.6	
100 Indeno[1,2,3-cd]pyrene	276	15.615	15.608	0.007	271187	10.6	
101 Dibenz(a,h)anthracene	278	15.634	15.632	0.002	223190	10.7	
102 Benzo[g,h,i]perylene	276	15.822	15.818	0.004	235270	11.5	

Report Date: 23-Sep-2009 15:03:31 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03051.D

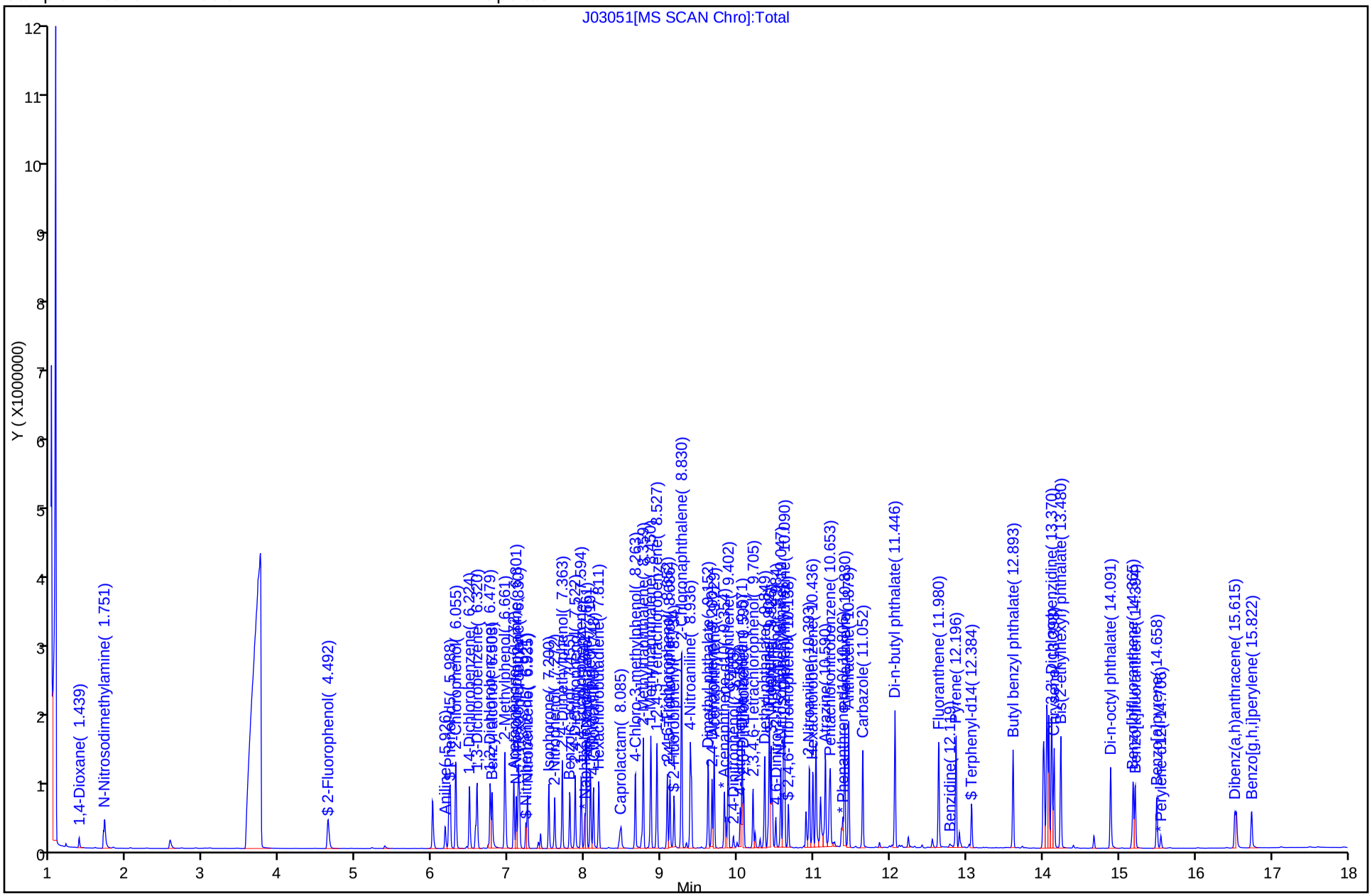
Inj Date: 21-Sep-2009 20:20:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 13

Client ID: Instrument: Inst. J

Sample Info: lcs 360-48924/2-a

Sample Amount: 1.00 ul Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID:
Lab Sample ID: LCS 360-48958/2-A
Matrix: Solid
Lab File ID: J03103.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3550B
Date Extracted: 09/15/2009 12:06
Sample wt/vol: 100.00(g)
Date Analyzed: 09/23/2009 23:37
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.: 49397
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	50.2		5.0	1.2

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	71	30-130	
367-12-4	2-Fluorophenol	50	30-130	
321-60-8	2-Fluorobiphenyl	63	30-130	
4165-60-0	Nitrobenzene-d5	58	30-130	
4165-62-2	Phenol-d5	55	30-130	
1718-51-0	Terphenyl-d14	73	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03103.D		
Lims ID:	LCS 360-48958/2-A	Client ID:	
Inject. Date:	23-Sep-2009 23:37:30	Dil. Factor:	1.0000
Sample Type:	LCS, Lab Control Sample		
Sample ID:	LCS		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49397	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 19:13:12	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	25-Sep-2009 19:13:12

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	8.575	8.575	0.000	87738	2.00	
* 2 Naphthalene-d8	136	9.888	9.888	0.000	175904	2.00	
* 3 Acenaphthene-d10	164	11.687	11.686	0.001	86314	2.00	
* 4 Phenanthrene-d10	188	13.182	13.182	0.000	144253	2.00	
* 5 Chrysene-d12	240	16.010	16.004	0.006	105285	2.00	
* 6 Perylene-d12	264	17.914	17.909	0.005	59442	2.00	
$ 7 2-Fluorophenol	112	7.234	7.233	0.001	137631	5.00	
$ 8 Phenol-d5	99	8.191	8.190	0.001	185359	5.49	
$ 9 Nitrobenzene-d5	82	9.172	9.171	0.001	79111	2.89	
$ 10 2-Fluorobiphenyl	172	10.960	10.960	0.000	180096	3.14	
$ 11 2,4,6-Tribromophenol	330	12.494	12.489	0.005	43596	7.07	
$ 12 Terphenyl-d14	244	14.779	14.778	0.001	160081	3.66	
14 1,4-Dioxane	88	4.868	4.867	0.001	42303	3.59	
16 Pyridine	79	5.507	5.492	0.015	34932	1.18	
15 N-Nitrosodimethylamine	74	5.522	5.516	0.006	77454	5.02	
18 Phenol	94	8.205	8.205	0.000	202648	5.63	
19 Aniline	93	8.277	8.277	0.000	83917	2.01	
20 Bis(2-chloroethyl)ether	93	8.311	8.310	0.001	144884	4.82	
21 2-Chlorophenol	128	8.388	8.387	0.001	153644	5.34	
22 1,4-Dichlorobenzene	146	8.542	8.536	0.006	150551	4.43	
23 1,3-Dichlorobenzene	146	8.594	8.589	0.005	156758	4.46	
24 Benzyl alcohol	79	8.715	8.709	0.006	144415	6.20	
25 1,2-Dichlorobenzene	146	8.792	8.791	0.001	151207	4.57	
26 2-Methylphenol	108	8.816	8.815	0.001	154634	5.96	
27 2,2'-oxybis[1-chloropropane]	45	8.859	8.854	0.005	148079	5.12	
28 3 & 4 Methylphenol	108	8.950	8.950	0.000	164473	6.10	
29 N-Nitrosodi-n-propylamine	70	8.998	8.998	0.000	117666	6.04	
30 Acetophenone	105	8.998	8.998	0.000	218265	5.75	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	9.109	9.104	0.005	54698	4.56	
32 Nitrobenzene	77	9.191	9.190	0.001	164224	5.92	
33 Isophorone	82	9.402	9.402	0.000	275701	5.96	
35 2,4-Dimethylphenol	107	9.494	9.489	0.006	175013	7.22	
34 2-Nitrophenol	139	9.513	9.513	0.000	76080	5.34	
36 Benzoic acid	105	9.523	9.565	-0.041	8326	2.79	
37 Bis(2-chloroethoxy)methane	93	9.595	9.594	0.001	189323	6.31	
38 2,4-Dichlorophenol	162	9.734	9.729	0.005	140592	7.41	
39 1,2,4-Trichlorobenzene	180	9.835	9.835	0.000	132209	5.48	
40 Alpha-Terpineol	59	9.850	9.849	0.001	114296	6.67	
41 Naphthalene	128	9.912	9.907	0.005	460718	5.77	
42 4-Chloroaniline	127	9.960	9.960	0.000	173010	5.88	
43 Hexachlorobutadiene	225	10.056	10.056	0.000	71148	5.58	
45 4-Chloro-3-methylphenol	107	10.398	10.397	0.001	159450	7.87	
46 2-Methylnaphthalene	142	10.595	10.595	0.000	313553	6.26	
49 1,2,4,5-Tetrachlorobenzene	216	10.807	10.806	0.001	127504	6.62	
48 Hexachlorocyclopentadiene	237	10.811	10.811	0.000	39510	5.08	
50 2,4,6-Trichlorophenol	196	10.893	10.893	0.000	96084	7.69	
51 2,4,5-Trichlorophenol	196	10.932	10.931	0.001	103136	8.03	
53 2-Chloronaphthalene	162	11.100	11.099	0.001	297348	5.55	
55 2-Nitroaniline	65	11.220	11.220	0.000	95479	6.94	
56 Dimethyl phthalate	163	11.379	11.378	0.001	389946	7.49	
57 2,6-Dinitrotoluene	165	11.485	11.479	0.006	87135	7.16	
58 Acenaphthylene	152	11.537	11.537	0.000	483173	6.92	
59 3-Nitroaniline	138	11.638	11.633	0.005	85939	6.80	
61 Acenaphthene	153	11.720	11.720	0.000	362460	7.70	
60 2,4-Dinitrophenol	184	11.735	11.735	0.000	9904	6.17	
62 4-Nitrophenol	109	11.739	11.748	-0.009	42545	6.62	
64 Dibenzofuran	168	11.874	11.874	0.000	444109	6.87	
63 2,4-Dinitrotoluene	165	11.879	11.878	0.001	109029	7.12	
66 Diethyl phthalate	149	12.071	12.071	0.000	407999	7.78	
67 4-Chlorophenyl phenyl ether	204	12.182	12.177	0.005	180173	7.29	
69 Fluorene	166	12.225	12.225	0.000	436058	8.57	
68 4-Nitroaniline	138	12.264	12.263	0.001	73313	7.06	
70 4,6-Dinitro-2-methylphenol	198	12.288	12.287	0.001	25140	7.73	
72 N-Nitrosodiphenylamine	169	12.307	12.306	0.001	245476	5.46	
74 Azobenzene	77	12.341	12.340	0.001	387927	7.21	
73 1,2-Diphenylhydrazine	77	12.341	12.340	0.001	387927	7.21	
75 4-Bromophenyl phenyl ether	248	12.677	12.677	0.000	97318	7.31	
76 Hexachlorobenzene	284	12.865	12.864	0.001	100441	7.34	
78 Pentachlorophenol	266	13.033	13.028	0.005	41966	7.57	
79 Pentachloronitrobenzene	237	13.110	13.105	0.005	42269	7.88	
80 Phenanthrene	178	13.206	13.206	0.000	587584	7.89	
81 Anthracene	178	13.254	13.249	0.005	593834	8.90	
83 Carbazole	167	13.398	13.398	0.000	477827	8.10	
84 Di-n-butyl phthalate	149	13.682	13.682	0.000	1175239	13.6	
85 Pyrene	202	14.437	14.437	0.000	555051	8.19	
86 Benzidine	184	14.533	14.528	0.005	675	0.4324	
87 Fluoranthene	202	14.692	14.692	0.000	628406	9.09	
89 Butyl benzyl phthalate	149	15.274	15.273	0.001	293926	7.98	
92 Bis(2-ethylhexyl) phthalate	149	15.851	15.851	0.000	468662	10.1	
91 3,3'-Dichlorobenzidine	252	15.928	15.923	0.005	102224	8.17	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
93 Benzo[a]anthracene	228	15.986	15.985	0.001	426899	9.23	
94 Chrysene	228	16.039	16.038	0.000	402566	8.60	
95 Di-n-octyl phthalate	149	16.524	16.524	0.000	547538	7.84	
97 Benzo[b]fluoranthene	252	17.327	17.327	0.000	316146	7.70	
98 Benzo[k]fluoranthene	252	17.356	17.356	0.000	327581	8.49	
99 Benzo[a]pyrene	252	17.827	17.822	0.005	228819	8.24	
101 Dibenz(a,h)anthracene	278	19.823	19.823	0.000	133942	9.00	
100 Indeno[1,2,3-cd]pyrene	276	19.837	19.837	0.000	176303	8.41	
102 Benzo[g,h,i]perylene	276	20.434	20.433	0.001	158539	8.87	

Report Date: 25-Sep-2009 19:13:13 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03103.D

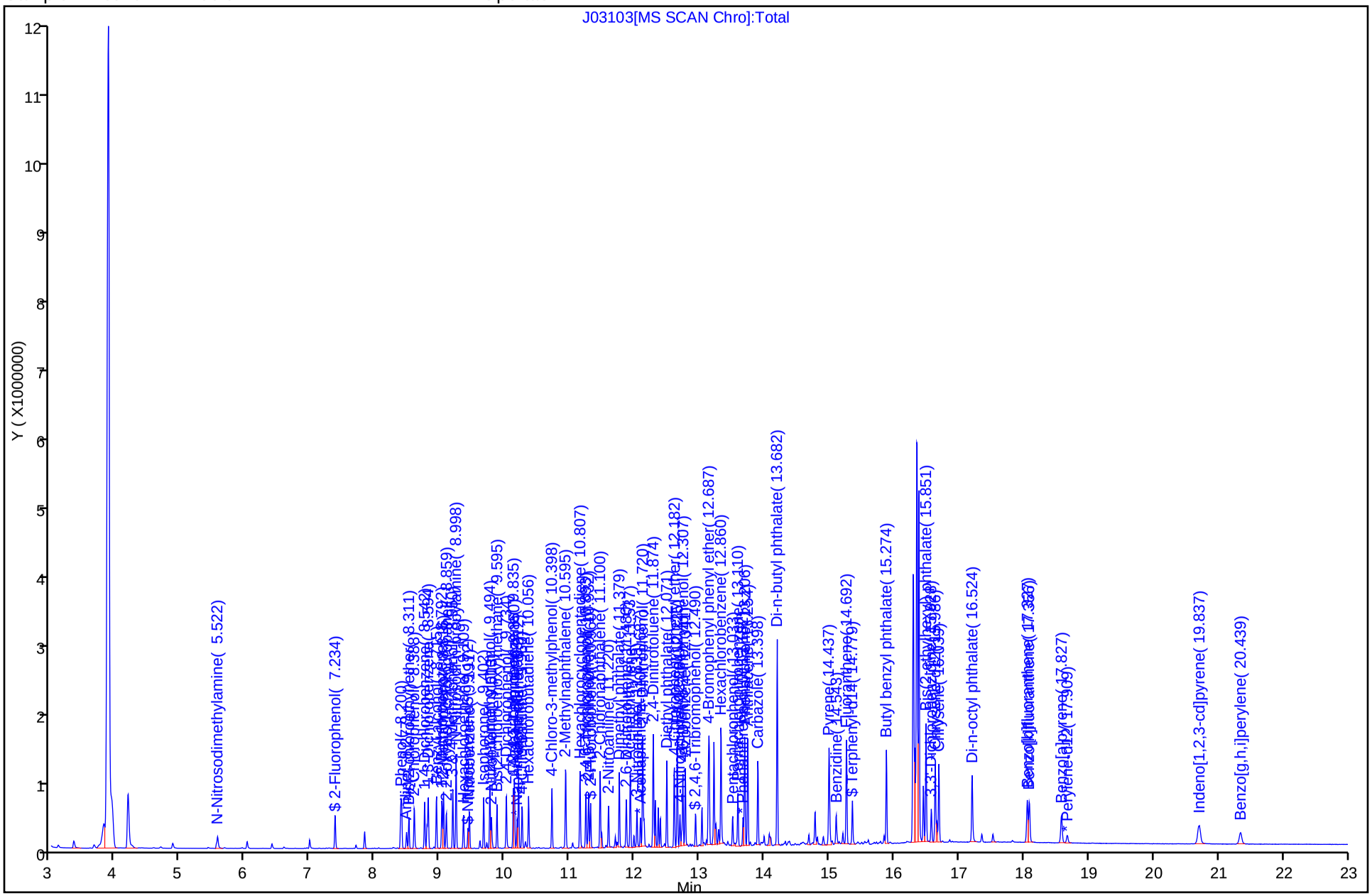
Inj Date: 23-Sep-2009 23:37:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49397 Lims Sample ID: 15

Client ID: Instrument: Inst. J

Sample Info: LCS

Sample Amount: 1.00 ul Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID:
Lab Sample ID: LCSD 360-48800/3-A
Matrix: Solid
Lab File ID: J02919.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3550B
Date Extracted: 09/10/2009 12:11
Sample wt/vol: 100.00(g)
Date Analyzed: 09/12/2009 12:47
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1.0(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 48876
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	66.4		5.0	1.2

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	86	30-130	
367-12-4	2-Fluorophenol	59	30-130	
321-60-8	2-Fluorobiphenyl	73	30-130	
4165-60-0	Nitrobenzene-d5	75	30-130	
4165-62-2	Phenol-d5	63	30-130	
1718-51-0	Terphenyl-d14	83	30-130	

Report Date: 12-Sep-2009 13:43:42 Chrom Revision: 1.0.2009.910

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02919.D		
Lims ID:	LCSD 360-48800/3-A	Client ID:	
Inject. Date:	12-Sep-2009 12:47:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	LCSD 360-48800/3A		
Misc. Info.:	360-0001151-005		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	48876	Lims Sample ID:	5
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090912-1.b\8270NDMA.m		
Last Update:	12-Sep-2009 13:42:52	Calib Date:	10-Sep-2009 20:55:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090910-1.b\J02891.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By: rachtank Date: 12-Sep-2009 13:43:42

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	5.008	5.009	-0.001	261034	2.00	
* 2 Naphthalene-d8	136	6.234	6.230	0.004	519991	2.00	
* 3 Acenaphthene-d10	164	7.956	7.957	-0.001	262275	2.00	
* 4 Phenanthrene-d10	188	9.422	9.423	-0.001	429536	2.00	
* 5 Chrysene-d12	240	12.058	12.054	0.004	269973	2.00	
* 6 Perylene-d12	264	13.495	13.491	0.004	176085	2.00	
$ 7 2-Fluorophenol	112	3.777	3.773	0.004	497113	5.86	
$ 8 Phenol-d5	99	4.666	4.663	0.003	652750	6.32	
$ 9 Nitrobenzene-d5	82	5.542	5.538	0.004	295342	3.77	
$ 10 2-Fluorobiphenyl	172	7.292	7.293	-0.001	628166	3.66	
$ 11 2,4,6-Tribromophenol	330	8.739	8.736	0.003	141090	8.64	
$ 12 Terphenyl-d14	244	11.004	11.001	0.003	493373	4.13	
15 N-Nitrosodimethylamine	42	2.397	2.388	0.009	232750	6.64	
14 1,4-Dioxane	88	3.565	3.575	-0.010	151		
16 Pyridine	79	3.685	3.677	0.008	927		
24 Benzyl alcohol	79	5.397	5.393	0.004	163912		
26 2-Methylphenol	108	5.397	5.393	0.004	561632	6.82	
30 Acetophenone	105	5.715	5.720	-0.005	442		
20 Bis(2-chloroethyl)ether	93	5.864	5.836	0.028	31652		
27 2,2'-oxybis[1-chloropropane]	45	6.095	6.076	0.019	2477		
21 2-Chlorophenol	128	6.095	6.096	-0.001	23081		
31 Hexachloroethane	117	6.099	6.100	-0.001	198		
23 1,3-Dichlorobenzene	146	6.181	6.177	0.004	22100		
22 1,4-Dichlorobenzene	146	6.181	6.177	0.004	22100		
32 Nitrobenzene	77	6.148	6.177	-0.029	1427		
35 2,4-Dimethylphenol	107	6.181	6.177	0.004	9477		
29 N-Nitrosodi-n-propylamine	70	6.263	6.264	-0.001	2855		
18 Phenol	94	6.263	6.264	-0.001	41981		
36 Benzoic acid	105	6.263	6.264	-0.001	21486		
37 Bis(2-chloroethoxy)methane	93	6.263	6.264	-0.001	296241		
28 3 & 4 Methylphenol	108	6.306	6.317	-0.011	695		

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
19 Aniline	93	6.364	6.365	-0.001	590		
40 Alpha-Terpineol	59	6.374	6.374	0.000	9419		
39 1,2,4-Trichlorobenzene	180	6.378	6.374	0.004	325		
38 2,4-Dichlorophenol	162	6.590	6.524	0.066	87		
41 Naphthalene	128	6.652	6.648	0.004	121		
42 4-Chloroaniline	127	6.701	6.701	0.000	190		
25 1,2-Dichlorobenzene	146	6.782	6.788	-0.006	793		
45 4-Chloro-3-methylphenol	107	6.989	6.990	-0.001	5841		
48 Hexachlorocyclopentadiene	237	7.090	7.086	0.004	86437		
46 2-Methylnaphthalene	142	7.210	7.221	-0.011	804		
50 2,4,6-Trichlorophenol	196	7.244	7.245	-0.001	341818		
51 2,4,5-Trichlorophenol	196	7.244	7.245	-0.001	341818		
49 1,2,4,5-Tetrachlorobenzene	216	7.379	7.375	0.004	473	10.2	
53 2-Chloronaphthalene	162	7.431	7.432	-0.001	1195	0.0182	
55 2-Nitroaniline	65	7.513	7.514	-0.001	356462	15.2	
56 Dimethyl phthalate	163	7.696	7.692	0.004	1350231	8.28	
57 2,6-Dinitrotoluene	165	7.758	7.755	0.003	315575	8.48	
58 Acenaphthylene	152	7.816	7.817	-0.001	1728316	8.04	
33 Isophorone	82	7.917	7.908	0.009	649	0.0425	
59 3-Nitroaniline	138	7.922	7.918	0.004	299988	8.31	
34 2-Nitrophenol	139	7.951	7.961	-0.010	157	0.0682	
61 Acenaphthene	153	7.989	7.990	-0.001	1278966	8.70	
62 4-Nitrophenol	109	8.090	8.086	0.004	143086	9.34	
63 2,4-Dinitrotoluene	165	8.153	8.154	-0.001	383628	8.34	
64 Dibenzofuran	168	8.162	8.240	-0.078	1556079	7.61	
66 Diethyl phthalate	149	8.393	8.389	0.004	1445049	8.70	
69 Fluorene	166	8.499	8.495	0.004	1434421	8.96	
67 4-Chlorophenyl phenyl ether	204	8.499	8.500	-0.001	579670	7.68	
68 4-Nitroaniline	138	8.523	8.519	0.004	266285	7.27	
70 4,6-Dinitro-2-methylphenol	198	8.557	8.558	-0.001	105524	7.46	
74 Azobenzene	77	8.658	8.654	0.004	1401598	5.65	
60 2,4-Dinitrophenol	184	8.658	8.668	-0.010	4147	5.98	
72 N-Nitrosodiphenylamine	169	8.980	8.981	-0.001	46537	8.43	
75 4-Bromophenyl phenyl ether	248	9.047	9.043	0.004	5631	0.1389	
76 Hexachlorobenzene	284	9.047	9.048	-0.001	334780	8.08	
73 1,2-Diphenylhydrazine	77	9.283	9.245	0.038	5722	11.7	
78 Pentachlorophenol	266	9.244	9.247	-0.003	126077	16.5	
79 Pentachloronitrobenzene	237	9.259	9.255	0.004	152865	8.97	
80 Phenanthrene	178	9.451	9.447	0.004	1904974		
81 Anthracene	178	9.451	9.447	0.004	1904974		
83 Carbazole	167	9.658	9.659	-0.001	1484576		
84 Di-n-butyl phthalate	149	10.009	10.005	0.004	4051405		
86 Benzidine	184	10.610	10.625	-0.015	98		
85 Pyrene	202	10.625	10.625	-0.001	1644733		
87 Fluoranthene	202	10.716	10.746	-0.030	370		
88 4,4'-DDD	235	11.293	11.286	0.007	100		
89 Butyl benzyl phthalate	149	11.490	11.486	0.004	954985		
93 Benzo[a]anthracene	228	12.048	12.044	0.004	1275163		
94 Chrysene	228	12.048	12.044	0.004	1270473		
92 Bis(2-ethylhexyl) phthalate	149	12.072	12.073	-0.001	1441022		
95 Di-n-octyl phthalate	149	12.611	12.607	0.004	1893		
91 3,3'-Dichlorobenzidine	252	12.712	12.678	0.034	490		

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
97 Benzo[b]fluoranthene	252	13.442	13.439	0.003	707461		
98 Benzo[k]fluoranthene	252	13.442	13.439	0.003	707461		
99 Benzo[a]pyrene	252	14.270	14.266	0.004	16		

Report Date: 12-Sep-2009 13:43:43 Chrom Revision: 1.0.2009.910

Data File: \\wessvr06\chromdata\INSTJ.i\20090912-1.b\J02919.D

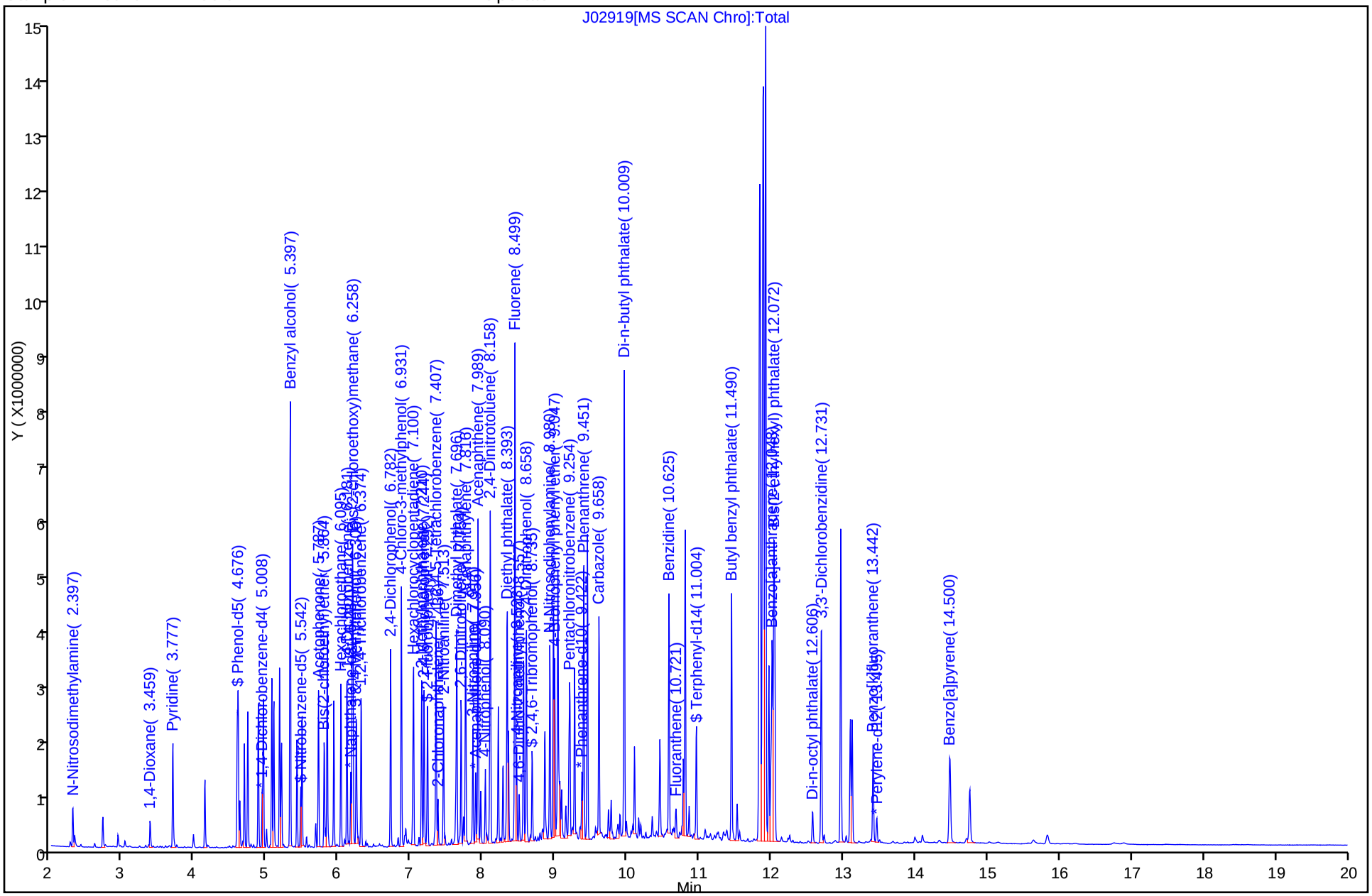
Inj Date: 12-Sep-2009 12:47:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 48876 Lims Sample ID: 5

Client ID: Instrument: Inst. J

Sample Info: LCSD 360-48800/3A

Sample Amount: 1.00 uL Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48854/3-A

Matrix: Solid | Lab File ID: B10451.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:36

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.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	249		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	208		33	10
120-82-1	1,2,4-Trichlorobenzene	208		33	10
95-50-1	1,2-Dichlorobenzene	212		33	10
541-73-1	1,3-Dichlorobenzene	177		33	10
106-46-7	1,4-Dichlorobenzene	176		33	10
90-12-0	1-Methylnaphthalene	205		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	195		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	221		33	10
95-95-4	2,4,5-Trichlorophenol	255		33	10
88-06-2	2,4,6-Trichlorophenol	241		33	10
120-83-2	2,4-Dichlorophenol	231		33	10
105-67-9	2,4-Dimethylphenol	235		33	13
51-28-5	2,4-Dinitrophenol	199		33	10
121-14-2	2,4-Dinitrotoluene	238		33	10
606-20-2	2,6-Dinitrotoluene	262		33	10
91-58-7	2-Chloronaphthalene	194		33	10
95-57-8	2-Chlorophenol	214		33	10
91-57-6	2-Methylnaphthalene	200		33	10
95-48-7	2-Methylphenol	224		33	20
88-74-4	2-Nitroaniline	252		170	10
88-75-5	2-Nitrophenol	241		33	10
15831-10-4	3 & 4 Methylphenol	237		33	10
91-94-1	3,3'-Dichlorobenzidine	236		67	10
99-09-2	3-Nitroaniline	240		170	10
534-52-1	4,6-Dinitro-2-methylphenol	225		170	10
101-55-3	4-Bromophenyl phenyl ether	250		33	10
59-50-7	4-Chloro-3-methylphenol	268		67	10
106-47-8	4-Chloroaniline	170		67	10
7005-72-3	4-Chlorophenyl phenyl ether	253		33	10
100-01-6	4-Nitroaniline	254		170	10
100-02-7	4-Nitrophenol	277		170	10
83-32-9	Acenaphthene	281		33	10
208-96-8	Acenaphthylene	243		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48854/3-A

Matrix: Solid | Lab File ID: B10451.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:36

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.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	221		33	10
62-53-3	Aniline	88.2		33	10
120-12-7	Anthracene	294		33	10
1912-24-9	Atrazine	271		33	10
103-33-3	Azobenzene	249		33	10
100-52-7	Benzaldehyde	234		33	10
56-55-3	Benzo[a]anthracene	301		33	10
50-32-8	Benzo[a]pyrene	320		33	10
205-99-2	Benzo[b]fluoranthene	272		33	10
191-24-2	Benzo[g,h,i]perylene	296		33	10
207-08-9	Benzo[k]fluoranthene	282		33	10
65-85-0	Benzoic acid	118	J	170	15
119-61-9	Benzophenone	267		33	10
100-51-6	Benzyl alcohol	243		67	28
111-91-1	Bis(2-chloroethoxy)methane	200		33	10
111-44-4	Bis(2-chloroethyl)ether	188		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	261		33	10
85-68-7	Butyl benzyl phthalate	258		33	10
105-60-2	Caprolactam	278		33	10
86-74-8	Carbazole	277		33	10
218-01-9	Chrysene	287		33	10
53-70-3	Dibenz(a,h)anthracene	311		33	10
132-64-9	Dibenzofuran	244		33	10
84-66-2	Diethyl phthalate	267		33	10
131-11-3	Dimethyl phthalate	253		33	10
84-74-2	Di-n-butyl phthalate	312		33	29
117-84-0	Di-n-octyl phthalate	244		33	17
101-84-8	Diphenyl oxide	214		33	10
206-44-0	Fluoranthene	281		33	10
86-73-7	Fluorene	303		33	10
118-74-1	Hexachlorobenzene	245		33	10
87-68-3	Hexachlorobutadiene	179		33	10
77-47-4	Hexachlorocyclopentadiene	186		67	10
67-72-1	Hexachloroethane	188		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48854/3-A

Matrix: Solid | Lab File ID: B10451.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/11/2009 11:42

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 21:36

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.: 49265 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	316		33	10
78-59-1	Isophorone	187		33	10
91-20-3	Naphthalene	228		80	10
98-95-3	Nitrobenzene	199		33	10
62-75-9	N-Nitrosodimethylamine	204		33	12
621-64-7	N-Nitrosodi-n-propylamine	230		33	10
86-30-6	N-Nitrosodiphenylamine	179		33	10
87-86-5	Pentachlorophenol	239		33	10
85-01-8	Phenanthrene	267		40	10
108-95-2	Phenol	224		33	10
129-00-0	Pyrene	243		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	70	30-130	
367-12-4	2-Fluorophenol	62	30-130	
321-60-8	2-Fluorobiphenyl	67	30-130	
4165-60-0	Nitrobenzene-d5	57	30-130	
4165-62-2	Phenol-d5	65	30-130	
1718-51-0	Terphenyl-d14	60	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10451.D		
Lims ID:	LCSD 360-48854/3-A	Client ID:	
Inject. Date:	21-Sep-2009 21:36:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-48742/3-a		
Operator:	MZ	Instrument ID:	Inst. B
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49265	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\8270B.m		
Last Update:	22-Sep-2009 11:12:58	Calib Date:	21-Sep-2009 19:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTB.i\20090922-1.b\B10447.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	22-Sep-2009 11:12:58

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	7.901	7.900	0.001	586095	2.00	
* 2 Naphthalene-d8	136	9.031	9.030	0.001	1527106	2.00	
* 3 Acenaphthene-d10	164	10.536	10.535	0.001	571559	2.00	
* 4 Phenanthrene-d10	188	11.801	11.800	0.001	992925	2.00	
* 5 Chrysene-d12	240	15.403	15.397	0.006	719889	2.00	
* 6 Perylene-d12	264	17.836	17.840	-0.004	430605	2.00	
$ 7 2-Fluorophenol	112	6.661	6.630	0.031	1030400	6.24	
$ 8 Phenol-d5	99	7.531	7.520	0.011	1240948	6.53	
$ 9 Nitrobenzene-d5	82	8.392	8.390	0.002	559367	2.86	
$ 10 2-Fluorobiphenyl	172	9.926	9.924	0.002	1267187	3.36	
$ 11 2,4,6-Tribromophenol	330	11.205	11.204	0.001	253964	7.00	
$ 12 Terphenyl-d14	244	13.427	13.425	0.002	1026661	3.00	
14 1,4-Dioxane	88	4.458	4.351	0.107	197985	4.57	M
15 N-Nitrosodimethylamine	42	4.973	4.928	0.045	699019	6.12	
16 Pyridine	79	5.030	4.967	0.063	653318	4.99	
17 Benzaldehyde	105	7.507	7.506	0.001	761363	7.02	
18 Phenol	94	7.545	7.534	0.011	1348106	6.72	
19 Aniline	93	7.598	7.597	0.001	641374	2.65	
20 Bis(2-chloroethyl)ether	93	7.637	7.635	0.002	942141	5.64	
21 2-Chlorophenol	128	7.714	7.708	0.006	1107740	6.43	
22 1,4-Dichlorobenzene	146	7.853	7.852	0.001	1147323	5.27	
23 1,3-Dichlorobenzene	146	7.920	7.919	0.001	1208967	5.31	
24 Benzyl alcohol	79	8.007	8.001	0.006	889675	7.30	
25 1,2-Dichlorobenzene	146	8.060	8.059	0.001	1130994	6.37	
26 2-Methylphenol	108	8.094	8.083	0.011	1028445	6.71	
27 2,2'-oxybis[1-chloropropane]	45	8.118	8.116	0.002	1776224	5.84	
28 3 & 4 Methylphenol	108	8.219	8.212	0.007	1139231	7.10	
29 N-Nitrosodi-n-propylamine	70	8.233	8.232	0.001	786203	6.91	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	8.247	8.246	0.001	1500752	6.62	
31 Hexachloroethane	117	8.368	8.366	0.002	428536	5.63	
32 Nitrobenzene	77	8.411	8.410	0.001	1151499	5.96	
33 Isophorone	82	8.608	8.607	0.001	1742123	5.61	
35 2,4-Dimethylphenol	107	8.685	8.679	0.006	1263684	7.05	
34 2-Nitrophenol	139	8.690	8.689	0.001	656602	7.23	
36 Benzoic acid	105	8.728	8.713	0.015	153571	3.54	
37 Bis(2-chloroethoxy)methane	93	8.767	8.765	0.002	1174021	6.01	
38 2,4-Dichlorophenol	162	8.892	8.891	0.001	1003846	6.93	
39 1,2,4-Trichlorobenzene	180	8.974	8.972	0.002	961408	6.25	
40 Alpha-Terpineol	59	9.022	9.020	0.002	959284	6.02	
41 Naphthalene	128	9.051	9.049	0.001	3273373	6.83	
42 4-Chloroaniline	127	9.070	9.068	0.002	1217073	5.10	
43 Hexachlorobutadiene	225	9.137	9.136	0.001	488169	5.37	
44 Caprolactam	55	9.373	9.352	0.021	535605	8.35	
45 4-Chloro-3-methylphenol	107	9.454	9.448	0.006	1087544	8.04	
46 2-Methylnaphthalene	142	9.637	9.636	0.001	2325658	6.00	
47 1-Methylnaphthalene	142	9.724	9.727	-0.003	2330246	6.16	
48 Hexachlorocyclopentadiene	237	9.762	9.766	-0.004	382278	5.58	
49 1,2,4,5-Tetrachlorobenzene	216	9.777	9.780	-0.003	959885	6.25	
50 2,4,6-Trichlorophenol	196	9.863	9.862	0.001	702087	7.23	
51 2,4,5-Trichlorophenol	196	9.902	9.896	0.006	778215	7.65	
52 1,1'-Biphenyl	154	10.022	10.021	0.001	2991402	7.46	
53 2-Chloronaphthalene	162	10.060	10.059	0.001	2169391	5.81	
54 Phenyl ether	170	10.104	10.102	0.002	1582610	6.41	
68 4-Nitroaniline	138	10.128	10.122	0.006	856809	7.63	
56 Dimethyl phthalate	163	10.243	10.237	0.006	2689221	7.60	
57 2,6-Dinitrotoluene	165	10.310	10.309	0.001	619573	7.87	
58 Acenaphthylene	152	10.421	10.420	0.001	3482311	7.30	
59 3-Nitroaniline	138	10.469	10.463	0.006	624025	7.20	
60 2,4-Dinitrophenol	184	10.551	10.550	0.001	155373	5.98	
62 4-Nitrophenol	109	10.570	10.559	0.011	437672	8.31	
61 Acenaphthene	153	10.565	10.564	0.001	2829603	8.43	
63 2,4-Dinitrotoluene	165	10.657	10.655	0.002	812069	7.13	
64 Dibenzofuran	168	10.705	10.703	0.002	3202469	7.33	
65 2,3,4,6-Tetrachlorophenol	232	10.796	10.795	0.001	494380	6.62	
66 Diethyl phthalate	149	10.825	10.824	0.001	2887647	8.00	
67 4-Chlorophenyl phenyl ether	204	10.964	10.963	0.001	1230075	7.60	
55 2-Nitroaniline	65	10.993	10.982	0.011	769557	7.57	
69 Fluorene	166	10.998	10.997	0.001	3340312	9.10	
70 4,6-Dinitro-2-methylphenol	198	11.008	11.002	0.006	357640	6.74	
72 N-Nitrosodiphenylamine	169	11.061	11.059	0.002	1733967	5.36	
74 Azobenzene	77	11.104	11.103	0.001	4419995	7.48	
73 1,2-Diphenylhydrazine	77	11.104	11.103	0.001	4419995	7.48	
13 Benzophenone	105	11.113	11.112	0.001	2846482	8.02	
75 4-Bromophenyl phenyl ether	248	11.388	11.386	0.002	681513	7.49	
77 Atrazine	200	11.474	11.468	0.006	882525	8.14	
76 Hexachlorobenzene	284	11.474	11.473	0.001	645197	7.34	
78 Pentachlorophenol	266	11.628	11.625	0.003	356148	7.18	
79 Pentachloronitrobenzene	237	11.638	11.636	0.002	319853	7.36	
80 Phenanthrene	178	11.825	11.824	0.001	4112911	8.00	
81 Anthracene	178	11.868	11.867	0.001	4236461	8.81	

Report Date: 22-Sep-2009 11:12:59 Chrom Revision: 1.1 20-Sep-2009 21:03:36
Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10451.D

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.984	11.983	0.001	3380432	8.31	
84 Di-n-butyl phthalate	149	12.210	12.204	0.006	5668231	9.35	
87 Fluoranthene	202	13.003	13.002	0.001	3751276	8.44	
86 Benzidine	184	13.109	13.102	0.007	16589	0.4382	
85 Pyrene	202	13.306	13.305	0.001	4261651	7.29	
89 Butyl benzyl phthalate	149	14.143	14.142	0.001	1876489	7.73	
92 Bis(2-ethylhexyl) phthalate	149	15.288	15.281	0.007	2733740	7.82	
91 3,3'-Dichlorobenzidine	252	15.297	15.286	0.011	769681	7.07	
93 Benzo[a]anthracene	228	15.384	15.378	0.006	2870548	9.02	
94 Chrysene	228	15.451	15.445	0.006	2684321	8.61	
95 Di-n-octyl phthalate	149	16.336	16.335	0.001	3841073	7.33	
97 Benzo[b]fluoranthene	252	17.124	17.123	0.001	2167844	8.17	
98 Benzo[k]fluoranthene	252	17.173	17.166	0.007	2058405	8.46	
99 Benzo[a]pyrene	252	17.740	17.734	0.006	1737271	9.60	
100 Indeno[1,2,3-cd]pyrene	276	20.274	20.268	0.006	1373580	9.47	
101 Dibenz(a,h)anthracene	278	20.303	20.302	0.001	1113164	9.32	
102 Benzo[g,h,i]perylene	276	21.015	20.999	0.016	1114397	8.88	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 22-Sep-2009 11:12:59 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTB.i\20090922-1.b\B10451.D

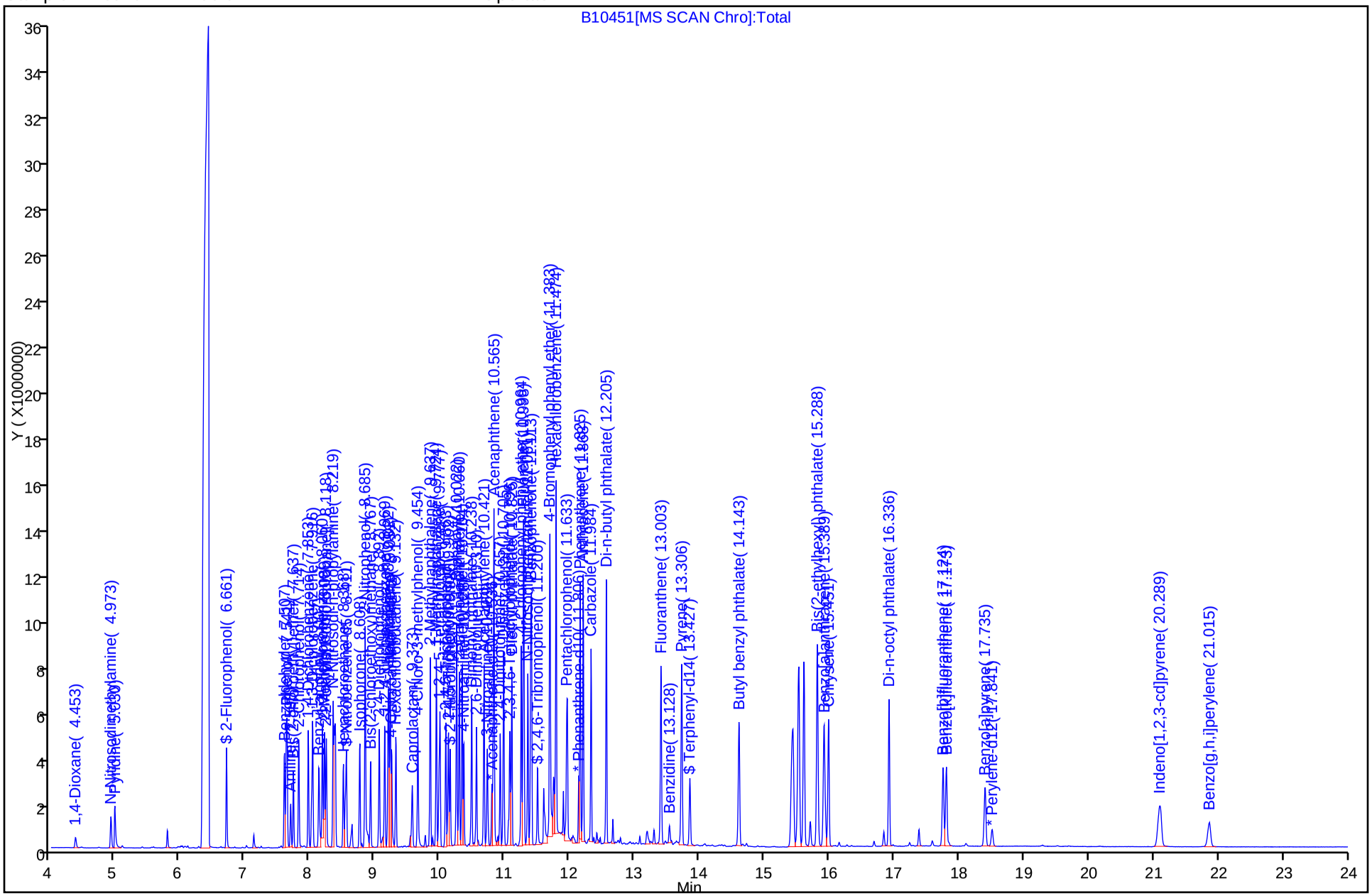
Inj Date: 21-Sep-2009 21:36:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49265 Lims Sample ID: 14

Client ID: Instrument: Inst. B

Sample Info: lcsd 360-48742/3-a

Sample Amount: 1.00 ul Operator: MZ



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48924/3-A

Matrix: Solid | Lab File ID: J03052.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:47

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

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

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

Analysis Batch No.: 49259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	312		33	10
95-94-3	1,2,4,5-Tetrachlorobenzene	301		33	10
120-82-1	1,2,4-Trichlorobenzene	271		33	10
95-50-1	1,2-Dichlorobenzene	212		33	10
541-73-1	1,3-Dichlorobenzene	212		33	10
106-46-7	1,4-Dichlorobenzene	214		33	10
90-12-0	1-Methylnaphthalene	304		33	10
108-60-1	2,2'-oxybis[1-chloropropane]	235		33	10
58-90-2	2,3,4,6-Tetrachlorophenol	294		33	10
95-95-4	2,4,5-Trichlorophenol	335		33	10
88-06-2	2,4,6-Trichlorophenol	324		33	10
120-83-2	2,4-Dichlorophenol	321		33	10
105-67-9	2,4-Dimethylphenol	343		33	13
51-28-5	2,4-Dinitrophenol	260		33	10
121-14-2	2,4-Dinitrotoluene	304		33	10
606-20-2	2,6-Dinitrotoluene	326		33	10
91-58-7	2-Chloronaphthalene	216		33	10
95-57-8	2-Chlorophenol	246		33	10
91-57-6	2-Methylnaphthalene	289		33	10
95-48-7	2-Methylphenol	268		33	20
88-74-4	2-Nitroaniline	283		170	10
88-75-5	2-Nitrophenol	304		33	10
15831-10-4	3 & 4 Methylphenol	280		33	10
91-94-1	3,3'-Dichlorobenzidine	373		67	10
99-09-2	3-Nitroaniline	365		170	10
534-52-1	4,6-Dinitro-2-methylphenol	299		170	10
101-55-3	4-Bromophenyl phenyl ether	317		33	10
59-50-7	4-Chloro-3-methylphenol	334		67	10
106-47-8	4-Chloroaniline	292		67	10
7005-72-3	4-Chlorophenyl phenyl ether	310		33	10
100-01-6	4-Nitroaniline	327		170	10
100-02-7	4-Nitrophenol	343		170	10
83-32-9	Acenaphthene	339		33	10
208-96-8	Acenaphthylene	309		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48924/3-A

Matrix: Solid | Lab File ID: J03052.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:47

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

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

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

Analysis Batch No.: 49259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	271		33	10
62-53-3	Aniline	109		33	10
120-12-7	Anthracene	401		33	10
1912-24-9	Atrazine	371		33	10
103-33-3	Azobenzene	332		33	10
100-52-7	Benzaldehyde	271		33	10
56-55-3	Benzo[a]anthracene	406		33	10
50-32-8	Benzo[a]pyrene	375		33	10
205-99-2	Benzo[b]fluoranthene	351		33	10
191-24-2	Benzo[g,h,i]perylene	413		33	10
207-08-9	Benzo[k]fluoranthene	369		33	10
65-85-0	Benzoic acid	121	J	170	15
119-61-9	Benzophenone	355		33	10
100-51-6	Benzyl alcohol	253		67	28
111-91-1	Bis(2-chloroethoxy)methane	311		33	10
111-44-4	Bis(2-chloroethyl)ether	228		33	10
117-81-7	Bis(2-ethylhexyl) phthalate	363		33	10
85-68-7	Butyl benzyl phthalate	342		33	10
105-60-2	Caprolactam	352		33	10
86-74-8	Carbazole	367		33	10
218-01-9	Chrysene	378		33	10
53-70-3	Dibenz(a,h)anthracene	378		33	10
132-64-9	Dibenzofuran	295		33	10
84-66-2	Diethyl phthalate	342		33	10
131-11-3	Dimethyl phthalate	326		33	10
84-74-2	Di-n-butyl phthalate	421		33	29
117-84-0	Di-n-octyl phthalate	328		33	17
101-84-8	Diphenyl oxide	324		33	10
206-44-0	Fluoranthene	382		33	10
86-73-7	Fluorene	363		33	10
118-74-1	Hexachlorobenzene	302		33	10
87-68-3	Hexachlorobutadiene	273		33	10
77-47-4	Hexachlorocyclopentadiene	256		67	10
67-72-1	Hexachloroethane	225		33	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: | Lab Sample ID: LCSD 360-48924/3-A

Matrix: Solid | Lab File ID: J03052.D

Analysis Method: 8270C LL | Date Collected:

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

Sample wt/vol: 30.00(g) | Date Analyzed: 09/21/2009 20:47

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

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

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

Analysis Batch No.: 49259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
193-39-5	Indeno[1,2,3-cd]pyrene	382		33	10
78-59-1	Isophorone	256		33	10
91-20-3	Naphthalene	283		80	10
98-95-3	Nitrobenzene	308		33	10
62-75-9	N-Nitrosodimethylamine	271		33	12
621-64-7	N-Nitrosodi-n-propylamine	268		33	10
86-30-6	N-Nitrosodiphenylamine	247		33	10
87-86-5	Pentachlorophenol	341		33	10
85-01-8	Phenanthrene	338		40	10
108-95-2	Phenol	259		33	10
129-00-0	Pyrene	369		33	10

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	90	30-130	
367-12-4	2-Fluorophenol	68	30-130	
321-60-8	2-Fluorobiphenyl	79	30-130	
4165-60-0	Nitrobenzene-d5	84	30-130	
4165-62-2	Phenol-d5	71	30-130	
1718-51-0	Terphenyl-d14	86	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03052.D		
Lims ID:	LCSD 360-48924/3-A	Client ID:	
Inject. Date:	21-Sep-2009 20:47:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	lcsd 360-48924/3-a		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	49259	Lims Sample ID:	14
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 16:02:01	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		

Reviewed By:	sullivanp	Date:	24-Sep-2009 08:54:42

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.302	6.302	0.000	96747	2.00	
* 2 Naphthalene-d8	136	7.638	7.643	-0.005	179690	2.00	
* 3 Acenaphthene-d10	164	9.370	9.370	0.000	90517	2.00	
* 4 Phenanthrene-d10	188	10.807	10.808	-0.001	141450	2.00	
* 5 Chrysene-d12	240	13.375	13.371	0.004	98827	2.00	
* 6 Perylene-d12	264	14.707	14.708	-0.001	69595	2.00	
$ 7 2-Fluorophenol	112	4.493	4.436	0.057	208101	6.75	
$ 8 Phenol-d5	99	5.975	5.965	0.010	254941	7.08	
$ 9 Nitrobenzene-d5	82	6.917	6.917	0.000	117521	4.20	
$ 10 2-Fluorobiphenyl	172	8.735	8.735	0.000	226903	3.95	
$ 11 2,4,6-Tribromophenol	330	10.139	10.139	0.000	58132	8.96	
$ 12 Terphenyl-d14	244	12.385	12.385	0.000	179786	4.29	
14 1,4-Dioxane	88	1.449	1.363	0.086	55205	4.64	
16 Pyridine	79	1.757	1.681	0.077	172061	6.03	
15 N-Nitrosodimethylamine	74	1.748	1.685	0.063	124510	8.14	
19 Aniline	93	5.926	5.927	-0.001	145474	3.27	
18 Phenol	94	5.989	5.980	0.009	302098	7.78	
21 2-Chlorophenol	128	6.061	6.052	0.009	233229	7.37	
20 Bis(2-chloroethyl)ether	93	6.056	6.057	0.000	220651	6.84	
22 1,4-Dichlorobenzene	146	6.225	6.225	0.000	238649	6.43	
23 1,3-Dichlorobenzene	146	6.321	6.321	0.000	246421	6.36	
25 1,2-Dichlorobenzene	146	6.479	6.480	-0.001	232308	6.35	
24 Benzyl alcohol	79	6.504	6.499	0.005	215301	7.58	
26 2-Methylphenol	108	6.657	6.653	0.004	219573	8.05	
27 2,2'-oxybis[1-chloropropane]	45	6.672	6.662	0.010	235774	7.05	
30 Acetophenone	105	6.773	6.768	0.005	326869	8.12	
17 Benzaldehyde	105	6.773	6.768	0.005	326869	8.12	
29 N-Nitrosodi-n-propylamine	70	6.802	6.802	0.000	172982	8.03	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
28 3 & 4 Methylphenol	108	6.826	6.826	0.000	237487	8.40	
31 Hexachloroethane	117	6.840	6.840	0.000	97272	6.76	
32 Nitrobenzene	77	6.936	6.937	-0.001	260065	9.25	
33 Isophorone	82	7.201	7.201	0.000	397789	7.69	
34 2-Nitrophenol	139	7.273	7.273	0.000	125447	9.12	
35 2,4-Dimethylphenol	107	7.364	7.360	0.004	261292	10.3	
37 Bis(2-chloroethoxy)methane	93	7.456	7.456	0.000	269334	9.34	
36 Benzoic acid	105	7.465	7.458	0.007	16442	3.63	
38 2,4-Dichlorophenol	162	7.523	7.523	0.000	191333	9.63	
39 1,2,4-Trichlorobenzene	180	7.600	7.595	0.005	191681	8.13	
41 Naphthalene	128	7.662	7.663	-0.001	687786	8.48	
40 Alpha-Terpineol	59	7.711	7.711	-0.001	160393	8.79	
42 4-Chloroaniline	127	7.749	7.744	0.005	250265	8.75	
43 Hexachlorobutadiene	225	7.811	7.812	-0.001	105730	8.18	
44 Caprolactam	55	8.090	8.057	0.033	88427	10.5	
45 4-Chloro-3-methylphenol	107	8.259	8.254	0.005	235763	10.0	
46 2-Methylnaphthalene	142	8.360	8.360	0.000	444360	8.67	
47 1-Methylnaphthalene	142	8.451	8.451	0.000	457891	9.13	
48 Hexachlorocyclopentadiene	237	8.523	8.523	0.000	76708	7.67	
49 1,2,4,5-Tetrachlorobenzene	216	8.528	8.528	0.000	176841	9.02	
50 2,4,6-Trichlorophenol	196	8.653	8.653	0.000	130724	9.71	
51 2,4,5-Trichlorophenol	196	8.687	8.682	0.005	140492	10.0	
52 1,1'-Biphenyl	154	8.826	8.826	0.000	566271	9.37	
53 2-Chloronaphthalene	162	8.831	8.831	0.000	408102	6.49	
54 Phenyl ether	170	8.937	8.937	0.000	307801	9.72	
68 4-Nitroaniline	138	8.951	8.947	0.004	158857	9.81	
56 Dimethyl phthalate	163	9.153	9.153	0.000	527629	9.77	
63 2,4-Dinitrotoluene	165	9.201	9.201	0.000	114926	9.12	
58 Acenaphthylene	152	9.230	9.226	0.004	668145	9.26	
61 Acenaphthene	153	9.403	9.399	0.004	502097	10.2	
60 2,4-Dinitrophenol	184	9.466	9.466	0.000	25511	7.80	
62 4-Nitrophenol	109	9.547	9.543	0.004	75656	10.3	
64 Dibenzofuran	168	9.572	9.572	0.000	589206	8.86	
57 2,6-Dinitrotoluene	165	9.591	9.591	0.000	154843	9.77	
65 2,3,4,6-Tetrachlorophenol	232	9.706	9.706	0.000	94279	8.83	
66 Diethyl phthalate	149	9.850	9.846	0.004	561494	10.3	
69 Fluorene	166	9.903	9.904	-0.001	561884	10.9	
67 4-Chlorophenyl phenyl ether	204	9.927	9.928	-0.001	231303	9.29	
59 3-Nitroaniline	138	9.947	9.937	0.010	113180	11.0	
70 4,6-Dinitro-2-methylphenol	198	9.985	9.980	0.005	60832	8.98	
72 N-Nitrosodiphenylamine	169	10.048	10.043	0.005	312224	7.42	
73 1,2-Diphenylhydrazine	77	10.076	10.077	-0.001	866835	9.95	
74 Azobenzene	77	10.076	10.077	-0.001	866835	9.95	
13 Benzophenone	105	10.091	10.091	0.000	550228	10.7	
55 2-Nitroaniline	65	10.394	10.394	0.000	18012	8.50	
75 4-Bromophenyl phenyl ether	248	10.399	10.399	0.000	124976	9.50	
76 Hexachlorobenzene	284	10.437	10.437	0.000	133331	9.07	
77 Atrazine	200	10.596	10.591	0.005	150237	11.1	
78 Pentachlorophenol	266	10.639	10.644	-0.005	68702	10.2	
79 Pentachloronitrobenzene	237	10.653	10.649	0.004	64520	10.1	
80 Phenanthrene	178	10.831	10.827	0.004	725569	10.1	
81 Anthracene	178	10.880	10.880	0.000	738492	12.0	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
83 Carbazole	167	11.053	11.048	0.005	584589	11.0	
84 Di-n-butyl phthalate	149	11.447	11.447	0.000	1111981	12.6	
87 Fluoranthene	202	11.981	11.981	0.000	651656	11.5	
86 Benzidine	184	12.144	12.149	-0.005	4954	0.9734	
85 Pyrene	202	12.197	12.193	0.004	746061	11.1	
89 Butyl benzyl phthalate	149	12.894	12.895	-0.001	362043	10.3	
93 Benzo[a]anthracene	228	13.366	13.366	0.000	542193	12.2	
91 3,3'-Dichlorobenzidine	252	13.370	13.371	-0.001	140668	11.2	
94 Chrysene	228	13.399	13.395	0.004	484485	11.3	
92 Bis(2-ethylhexyl) phthalate	149	13.481	13.481	0.000	528055	10.9	
95 Di-n-octyl phthalate	149	14.092	14.092	0.000	713129	9.83	
97 Benzo[b]fluoranthene	252	14.371	14.366	0.005	449551	10.5	
98 Benzo[k]fluoranthene	252	14.395	14.390	0.005	442118	11.1	
99 Benzo[a]pyrene	252	14.659	14.659	0.000	353266	11.3	
100 Indeno[1,2,3-cd]pyrene	276	15.616	15.616	0.000	317517	11.5	
101 Dibenz(a,h)anthracene	278	15.635	15.631	0.004	257411	11.3	
102 Benzo[g,h,i]perylene	276	15.823	15.818	0.005	273905	12.4	

Report Date: 24-Sep-2009 08:54:43 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03052.D

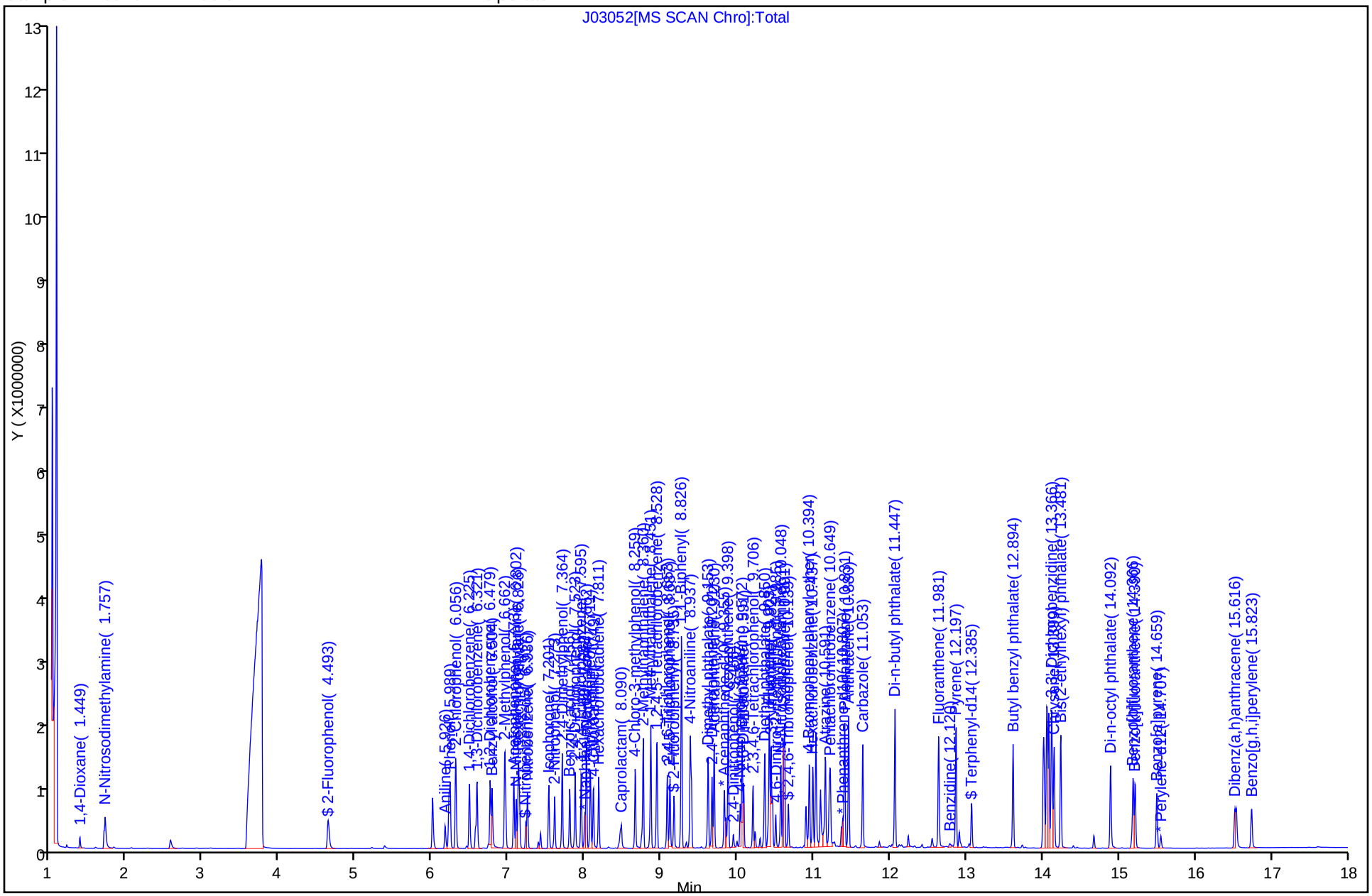
Inj Date: 21-Sep-2009 20:47:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49259 Lims Sample ID: 14

Client ID: Instrument: Inst. J

Sample Info: lcsd 360-48924/3-a

Sample Amount: 1.00 ul Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID:
Lab Sample ID: LCSD 360-48958/3-A
Matrix: Solid
Lab File ID: J03104.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3550B
Date Extracted: 09/15/2009 12:06
Sample wt/vol: 100.00(g)
Date Analyzed: 09/24/2009 00:11
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.: 49397
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	57.5		5.0	1.2

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	81	30-130	
367-12-4	2-Fluorophenol	56	30-130	
321-60-8	2-Fluorobiphenyl	72	30-130	
4165-60-0	Nitrobenzene-d5	69	30-130	
4165-62-2	Phenol-d5	61	30-130	
1718-51-0	Terphenyl-d14	86	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03104.D		
Lims ID:	LCSD 360-48958/3-A	Client ID:	
Inject. Date:	24-Sep-2009 00:11:30	Dil. Factor:	1.0000
Sample Type:	LCSD, LCS Duplicate		
Sample ID:	LCSD		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	49397	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	26-Sep-2009 11:02:52	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		
Reviewed By:	rachtank	Date:	26-Sep-2009 11:44:21

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	8.578	8.575	0.003	90122	2.00	
* 2 Naphthalene-d8	136	9.891	9.888	0.003	173433	2.00	
* 3 Acenaphthene-d10	164	11.689	11.686	0.003	86194	2.00	
* 4 Phenanthrene-d10	188	13.185	13.182	0.003	146452	2.00	
* 5 Chrysene-d12	240	16.012	16.004	0.008	103740	2.00	
* 6 Perylene-d12	264	17.912	17.909	0.003	57893	2.00	
$ 7 2-Fluorophenol	112	7.236	7.233	0.003	157256	5.57	
$ 8 Phenol-d5	99	8.193	8.190	0.003	210751	6.08	
$ 9 Nitrobenzene-d5	82	9.174	9.171	0.003	93518	3.47	
$ 10 2-Fluorobiphenyl	172	10.963	10.960	0.003	207374	3.62	
$ 11 2,4,6-Tribromophenol	330	12.492	12.489	0.003	50716	8.09	
$ 12 Terphenyl-d14	244	14.776	14.778	-0.002	186319	4.32	
14 1,4-Dioxane	88	4.875	4.867	0.008	51179	4.25	
16 Pyridine	79	5.505	5.492	0.013	42967	1.41	
15 N-Nitrosodimethylamine	74	5.524	5.516	0.008	91223	5.75	
18 Phenol	94	8.208	8.205	0.003	236822	6.40	
19 Aniline	93	8.280	8.277	0.003	84375	1.96	
20 Bis(2-chloroethyl)ether	93	8.313	8.310	0.003	170903	5.53	
21 2-Chlorophenol	128	8.390	8.387	0.003	177979	6.03	
22 1,4-Dichlorobenzene	146	8.539	8.536	0.003	176671	5.06	
23 1,3-Dichlorobenzene	146	8.592	8.589	0.003	182086	5.04	
24 Benzyl alcohol	79	8.712	8.709	0.003	168449	7.04	
25 1,2-Dichlorobenzene	146	8.794	8.791	0.003	176117	5.18	
26 2-Methylphenol	108	8.818	8.815	0.003	179997	6.75	
27 2,2'-oxybis[1-chloropropane]	45	8.857	8.854	0.003	173382	5.83	
28 3 & 4 Methylphenol	108	8.953	8.950	0.003	189939	6.86	
29 N-Nitrosodi-n-propylamine	70	8.996	8.998	-0.002	137617	6.87	
30 Acetophenone	105	9.001	8.998	0.003	248844	6.38	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
31 Hexachloroethane	117	9.107	9.104	0.003	65309	5.31	
32 Nitrobenzene	77	9.193	9.190	0.003	194237	7.10	
33 Isophorone	82	9.400	9.402	-0.002	318791	6.99	
35 2,4-Dimethylphenol	107	9.492	9.489	0.004	198064	8.29	
34 2-Nitrophenol	139	9.516	9.513	0.003	96797	6.87	
36 Benzoic acid	105	9.530	9.565	-0.034	15235	4.32	
37 Bis(2-chloroethoxy)methane	93	9.597	9.594	0.003	221223	7.48	
38 2,4-Dichlorophenol	162	9.732	9.729	0.003	159470	8.53	
39 1,2,4-Trichlorobenzene	180	9.833	9.835	-0.002	151454	6.37	
40 Alpha-Terpineol	59	9.852	9.849	0.003	131694	7.80	
41 Naphthalene	128	9.910	9.907	0.003	523092	6.65	
42 4-Chloroaniline	127	9.963	9.960	0.003	195869	6.75	
43 Hexachlorobutadiene	225	10.059	10.056	0.003	82489	6.56	
45 4-Chloro-3-methylphenol	107	10.396	10.397	-0.001	185733	9.30	
46 2-Methylnaphthalene	142	10.598	10.595	0.003	356284	7.22	
49 1,2,4,5-Tetrachlorobenzene	216	10.804	10.806	-0.002	146924	7.73	
48 Hexachlorocyclopentadiene	237	10.814	10.811	0.003	47669	6.14	
50 2,4,6-Trichlorophenol	196	10.891	10.893	-0.002	114751	9.19	
51 2,4,5-Trichlorophenol	196	10.934	10.931	0.003	120518	9.40	
53 2-Chloronaphthalene	162	11.102	11.099	0.003	343388	6.42	
55 2-Nitroaniline	65	11.223	11.220	0.003	115000	8.35	
56 Dimethyl phthalate	163	11.381	11.378	0.003	452328	8.69	
57 2,6-Dinitrotoluene	165	11.482	11.479	0.003	103565	8.51	
58 Acenaphthylene	152	11.540	11.537	0.003	555422	7.97	
59 3-Nitroaniline	138	11.636	11.633	0.003	104101	8.23	
61 Acenaphthene	153	11.723	11.720	0.003	418271	8.89	
60 2,4-Dinitrophenol	184	11.732	11.735	-0.003	16686	8.59	
62 4-Nitrophenol	109	11.742	11.748	-0.006	54196	8.32	
64 Dibenzofuran	168	11.872	11.874	-0.002	510977	7.92	
63 2,4-Dinitrotoluene	165	11.882	11.878	0.004	129431	8.44	
66 Diethyl phthalate	149	12.074	12.071	0.003	465512	8.89	
67 4-Chlorophenyl phenyl ether	204	12.180	12.177	0.003	206424	8.37	
69 Fluorene	166	12.228	12.225	0.003	488387	9.62	
68 4-Nitroaniline	138	12.266	12.263	0.003	87779	8.44	
70 4,6-Dinitro-2-methylphenol	198	12.290	12.287	0.003	34431	9.47	
72 N-Nitrosodiphenylamine	169	12.305	12.306	-0.001	276075	6.05	
74 Azobenzene	77	12.343	12.340	0.003	446088	8.17	
73 1,2-Diphenylhydrazine	77	12.343	12.340	0.003	446088	8.17	
75 4-Bromophenyl phenyl ether	248	12.680	12.677	0.003	108718	8.05	
76 Hexachlorobenzene	284	12.867	12.864	0.003	112906	8.13	
78 Pentachlorophenol	266	13.036	13.030	0.006	49210	8.56	
79 Pentachloronitrobenzene	237	13.108	13.105	0.003	48591	8.91	
80 Phenanthrene	178	13.209	13.206	0.003	655051	8.66	
81 Anthracene	178	13.252	13.249	0.003	668359	9.87	
83 Carbazole	167	13.401	13.398	0.003	537318	8.98	
84 Di-n-butyl phthalate	149	13.680	13.682	-0.002	1317601	15.0	
85 Pyrene	202	14.440	14.437	0.003	627108	9.40	
86 Benzidine	184	14.531	14.531	0.000	462	0.4155	
87 Fluoranthene	202	14.690	14.692	-0.002	704018	10.0	
89 Butyl benzyl phthalate	149	15.272	15.273	-0.001	331229	9.12	
92 Bis(2-ethylhexyl) phthalate	149	15.854	15.851	0.003	501015	10.9	
91 3,3'-Dichlorobenzidine	252	15.931	15.923	0.007	115047	9.33	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
93 Benzo[a]anthracene	228	15.988	15.985	0.003	493099	10.8	
94 Chrysene	228	16.041	16.038	0.003	465883	10.1	
95 Di-n-octyl phthalate	149	16.522	16.524	-0.002	581328	8.50	
97 Benzo[b]fluoranthene	252	17.330	17.327	0.003	355218	8.87	
98 Benzo[k]fluoranthene	252	17.359	17.356	0.003	343815	9.15	
99 Benzo[a]pyrene	252	17.825	17.822	0.003	252615	9.32	
101 Dibenz(a,h)anthracene	278	19.821	19.823	-0.002	138413	9.45	
100 Indeno[1,2,3-cd]pyrene	276	19.840	19.837	0.003	183990	8.97	
102 Benzo[g,h,i]perylene	276	20.441	20.433	0.008	163800	9.37	

Report Date: 26-Sep-2009 11:44:23 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03104.D

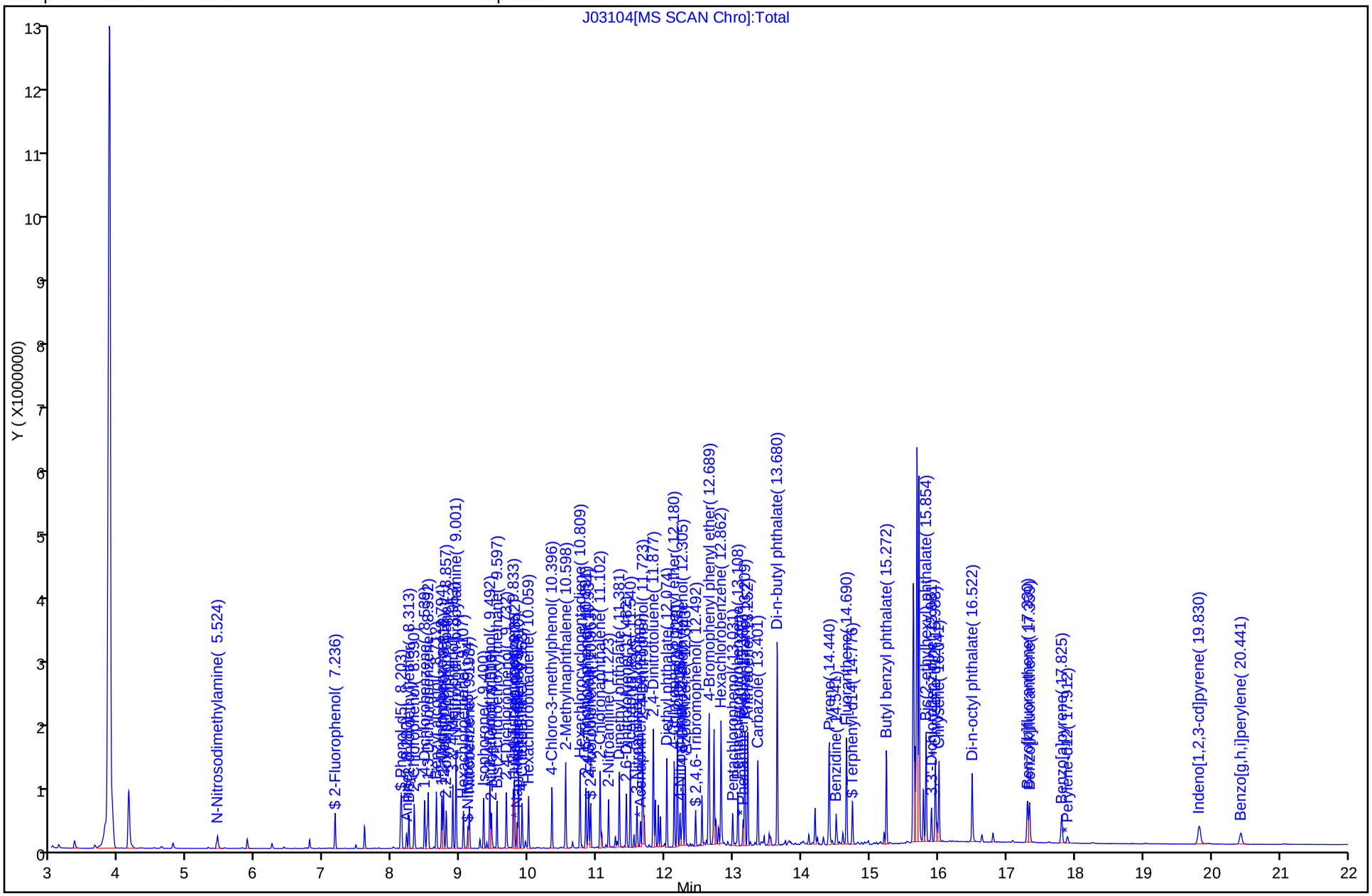
Inj Date: 24-Sep-2009 00:11:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49397 Lims Sample ID: 16

Client ID: Instrument: Inst. J

Sample Info: LCSD

Sample Amount: 1.00 ul Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MS | Lab Sample ID: 360-24417-10 MS

Matrix: Solid | Lab File ID: J03056.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

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

Sample wt/vol: 30.20(g) | Date Analyzed: 09/21/2009 22:36

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

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

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

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	621		37	11
95-94-3	1,2,4,5-Tetrachlorobenzene	300		37	11
120-82-1	1,2,4-Trichlorobenzene	263		37	11
95-50-1	1,2-Dichlorobenzene	215		37	11
541-73-1	1,3-Dichlorobenzene	214		37	11
106-46-7	1,4-Dichlorobenzene	217		37	11
90-12-0	1-Methylnaphthalene	583		37	11
108-60-1	2,2'-oxybis[1-chloropropane]	238		37	11
58-90-2	2,3,4,6-Tetrachlorophenol	595		37	11
95-95-4	2,4,5-Trichlorophenol	343		37	11
88-06-2	2,4,6-Trichlorophenol	342		37	11
120-83-2	2,4-Dichlorophenol	317		37	11
105-67-9	2,4-Dimethylphenol	336		37	15
51-28-5	2,4-Dinitrophenol	83.7		37	11
121-14-2	2,4-Dinitrotoluene	319		37	11
606-20-2	2,6-Dinitrotoluene	332		37	11
91-58-7	2-Chloronaphthalene	222		37	11
95-57-8	2-Chlorophenol	258		37	11
91-57-6	2-Methylnaphthalene	292		37	11
95-48-7	2-Methylphenol	281		37	22
88-74-4	2-Nitroaniline	308		190	11
88-75-5	2-Nitrophenol	272		37	11
15831-10-4	3 & 4 Methylphenol	292		37	11
91-94-1	3,3'-Dichlorobenzidine	366		75	11
99-09-2	3-Nitroaniline	387		190	11
534-52-1	4,6-Dinitro-2-methylphenol	118	J	190	11
101-55-3	4-Bromophenyl phenyl ether	313		37	11
59-50-7	4-Chloro-3-methylphenol	329		75	11
106-47-8	4-Chloroaniline	273		75	11
7005-72-3	4-Chlorophenyl phenyl ether	317		37	11
100-01-6	4-Nitroaniline	341		190	11
100-02-7	4-Nitrophenol	332		190	11
83-32-9	Acenaphthene	346		37	11
208-96-8	Acenaphthylene	320		37	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MS | Lab Sample ID: 360-24417-10 MS

Matrix: Solid | Lab File ID: J03056.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

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

Sample wt/vol: 30.20(g) | Date Analyzed: 09/21/2009 22:36

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

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

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

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	279		37	11
62-53-3	Aniline	111		37	11
120-12-7	Anthracene	405		37	11
1912-24-9	Atrazine	728		37	11
103-33-3	Azobenzene	277		37	11
100-52-7	Benzaldehyde	279		37	11
56-55-3	Benzo[a]anthracene	404		37	11
50-32-8	Benzo[a]pyrene	381		37	11
205-99-2	Benzo[b]fluoranthene	336		37	11
191-24-2	Benzo[g,h,i]perylene	448		37	11
207-08-9	Benzo[k]fluoranthene	369		37	11
65-85-0	Benzoic acid	68.0	J	190	17
119-61-9	Benzophenone	636		37	11
100-51-6	Benzyl alcohol	242		75	32
111-91-1	Bis(2-chloroethoxy)methane	309		37	11
111-44-4	Bis(2-chloroethyl)ether	234		37	11
117-81-7	Bis(2-ethylhexyl) phthalate	385		37	11
85-68-7	Butyl benzyl phthalate	342		37	11
105-60-2	Caprolactam	709		37	11
86-74-8	Carbazole	372		37	11
218-01-9	Chrysene	382		37	11
53-70-3	Dibenz(a,h)anthracene	401		37	11
132-64-9	Dibenzofuran	305		37	11
84-66-2	Diethyl phthalate	353		37	11
131-11-3	Dimethyl phthalate	335		37	11
84-74-2	Di-n-butyl phthalate	342		37	33
117-84-0	Di-n-octyl phthalate	321		37	19
101-84-8	Diphenyl oxide	622		37	11
122-39-4	Diphenylamine	249		37	11
206-44-0	Fluoranthene	393		37	11
86-73-7	Fluorene	378		37	11
118-74-1	Hexachlorobenzene	311		37	11
87-68-3	Hexachlorobutadiene	267		37	11
77-47-4	Hexachlorocyclopentadiene	131		75	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MS | Lab Sample ID: 360-24417-10 MS

Matrix: Solid | Lab File ID: J03056.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

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

Sample wt/vol: 30.20(g) | Date Analyzed: 09/21/2009 22:36

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

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

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

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	226		37	11
193-39-5	Indeno[1,2,3-cd]pyrene	405		37	11
78-59-1	Isophorone	252		37	11
91-20-3	Naphthalene	278		90	11
98-95-3	Nitrobenzene	301		37	11
62-75-9	N-Nitrosodimethylamine	273		37	13
621-64-7	N-Nitrosodi-n-propylamine	272		37	11
86-30-6	N-Nitrosodiphenylamine	249		37	11
87-86-5	Pentachlorophenol	342		37	11
85-01-8	Phenanthrene	341		45	11
108-95-2	Phenol	270		37	11
129-00-0	Pyrene	367		37	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	81	30-130	
367-12-4	2-Fluorophenol	64	30-130	
321-60-8	2-Fluorobiphenyl	72	30-130	
4165-60-0	Nitrobenzene-d5	73	30-130	
4165-62-2	Phenol-d5	65	30-130	
1718-51-0	Terphenyl-d14	76	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03056.D		
Lims ID:	360-24417-A-10-I MS	Client ID:	OC-SB-465-8.0/10-XMS
Inject. Date:	21-Sep-2009 22:36:30	Dil. Factor:	1.0000
Sample Type:	MS, Matrix Spike		
Sample ID:	360-24417-a-10-i ms		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	49260	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:08:07	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 15:08:07

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

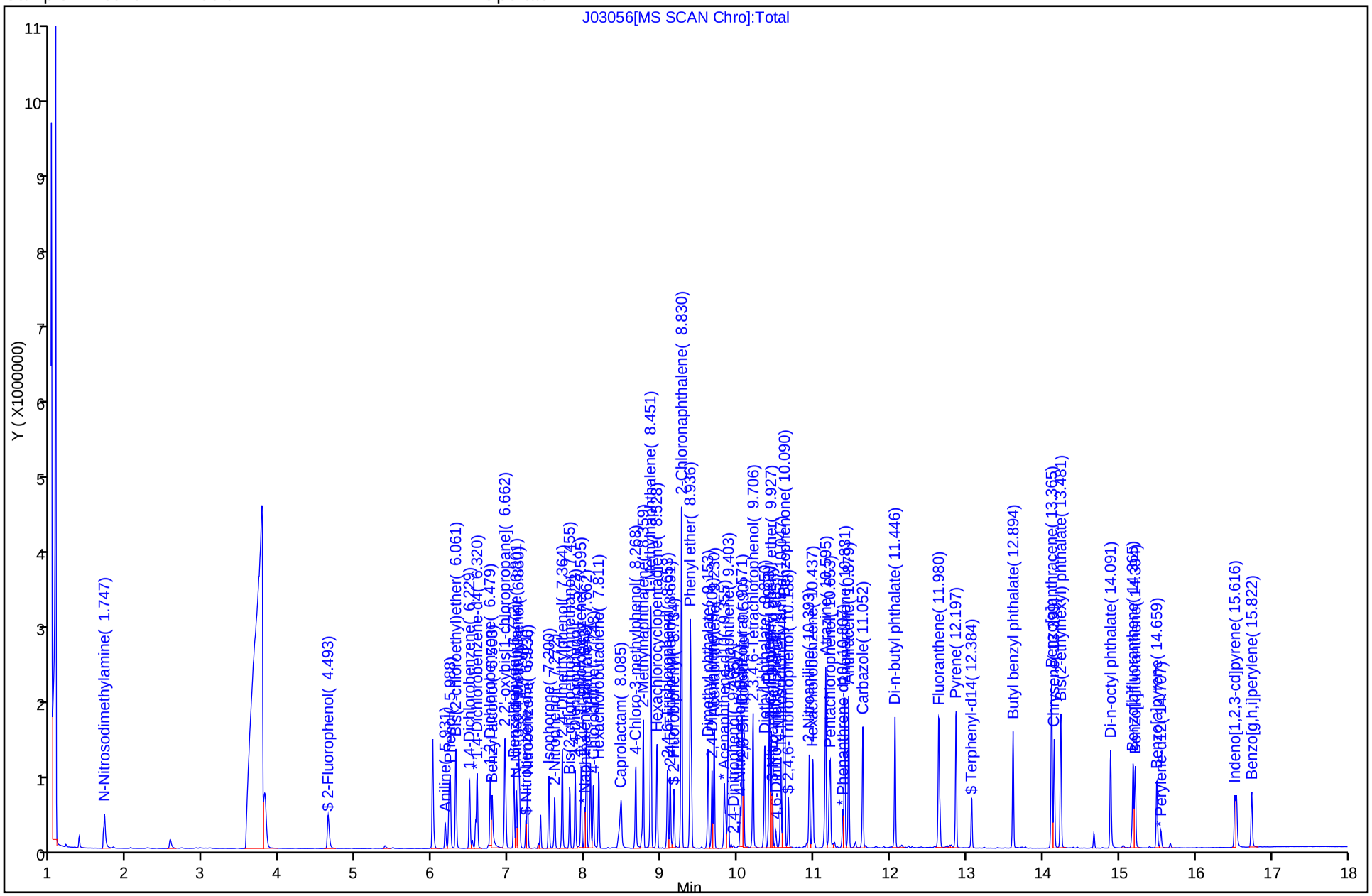
Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	6.301	6.302	-0.001	101469	2.00	
* 2 Naphthalene-d8	136	7.643	7.643	0.000	197688	2.00	
* 3 Acenaphthene-d10	164	9.369	9.370	-0.001	96188	2.00	
* 4 Phenanthrene-d10	188	10.807	10.808	-0.001	157018	2.00	
* 5 Chrysene-d12	240	13.375	13.371	0.004	110348	2.00	
* 6 Perylene-d12	264	14.707	14.708	-0.001	82913	2.00	
$ 7 2-Fluorophenol	112	4.493	4.436	0.057	204832	6.37	
$ 8 Phenol-d5	99	5.974	5.965	0.009	247464	6.55	
$ 9 Nitrobenzene-d5	82	6.917	6.917	0.000	112719	3.66	
$ 10 2-Fluorobiphenyl	172	8.734	8.735	-0.001	219388	3.59	
$ 11 2,4,6-Tribromophenol	330	10.138	10.139	-0.001	58279	8.11	
$ 12 Terphenyl-d14	244	12.389	12.385	0.004	177409	3.79	
15 N-Nitrosodimethylamine	74	1.737	1.685	0.052	116884	7.29	
19 Aniline	93	5.931	5.927	0.004	137855	2.96	
18 Phenol	94	5.993	5.980	0.013	293522	7.21	
21 2-Chlorophenol	128	6.061	6.052	0.009	228524	6.89	
20 Bis(2-chloroethyl)ether	93	6.056	6.057	0.000	211687	6.26	
22 1,4-Dichlorobenzene	146	6.229	6.225	0.004	225169	5.79	
23 1,3-Dichlorobenzene	146	6.320	6.321	-0.001	231843	5.71	
25 1,2-Dichlorobenzene	146	6.479	6.480	-0.001	220248	5.74	
24 Benzyl alcohol	79	6.503	6.499	0.004	191063	6.48	
26 2-Methylphenol	108	6.662	6.653	0.009	214965	7.51	
27 2,2'-oxybis[1-chloropropane]	45	6.671	6.662	0.009	223127	6.36	
30 Acetophenone	105	6.772	6.768	0.004	314428	7.44	
17 Benzaldehyde	105	6.772	6.768	0.004	314428	7.44	
29 N-Nitrosodi-n-propylamine	70	6.801	6.802	-0.001	164386	7.27	
28 3 & 4 Methylphenol	108	6.825	6.826	-0.001	231031	7.79	
31 Hexachloroethane	117	6.840	6.840	0.000	90928	6.03	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	6.936	6.937	-0.001	249199	8.05	
33 Isophorone	82	7.200	7.201	-0.001	383320	6.74	
34 2-Nitrophenol	139	7.272	7.273	-0.001	109567	7.26	
35 2,4-Dimethylphenol	107	7.364	7.360	0.004	251278	8.99	
37 Bis(2-chloroethoxy)methane	93	7.455	7.456	-0.001	261547	8.25	
36 Benzoic acid	105	7.465	7.458	0.007	172	1.82	
38 2,4-Dichlorophenol	162	7.522	7.523	-0.001	184900	8.47	
39 1,2,4-Trichlorobenzene	180	7.599	7.595	0.004	182341	7.03	
41 Naphthalene	128	7.662	7.663	-0.001	661931	7.42	
42 4-Chloroaniline	127	7.748	7.744	0.004	229848	7.31	
43 Hexachlorobutadiene	225	7.811	7.812	-0.001	101615	7.14	
44 Caprolactam	55	8.085	8.057	0.028	176954	18.9	
45 4-Chloro-3-methylphenol	107	8.268	8.254	0.014	226817	8.78	
46 2-Methylnaphthalene	142	8.359	8.360	-0.001	440259	7.81	
47 1-Methylnaphthalene	142	8.451	8.451	0.000	859690	15.6	
48 Hexachlorocyclopentadiene	237	8.523	8.523	0.000	36291	3.49	
49 1,2,4,5-Tetrachlorobenzene	216	8.528	8.528	0.000	172939	8.02	
50 2,4,6-Trichlorophenol	196	8.657	8.653	0.004	130746	9.14	
51 2,4,5-Trichlorophenol	196	8.691	8.682	0.009	136315	9.17	
52 1,1'-Biphenyl	154	8.826	8.826	0.000	1065587	16.6	
53 2-Chloronaphthalene	162	8.830	8.831	-0.001	395303	5.92	
54 Phenyl ether	170	8.936	8.937	-0.001	578847	16.6	
68 4-Nitroaniline	138	8.951	8.947	0.004	156834	9.12	
56 Dimethyl phthalate	163	9.153	9.153	0.000	513360	8.95	
63 2,4-Dinitrotoluene	165	9.201	9.201	0.000	114218	8.53	
58 Acenaphthylene	152	9.230	9.226	0.004	656502	8.56	
61 Acenaphthene	153	9.403	9.399	0.004	485801	9.26	
60 2,4-Dinitrophenol	184	9.465	9.466	-0.001	3413	2.24	
62 4-Nitrophenol	109	9.547	9.543	0.004	68860	8.87	
64 Dibenzofuran	168	9.571	9.572	-0.001	575484	8.14	
57 2,6-Dinitrotoluene	165	9.590	9.591	-0.001	149310	8.88	
65 2,3,4,6-Tetrachlorophenol	232	9.706	9.706	0.000	181414	15.9	
66 Diethyl phthalate	149	9.850	9.846	0.004	547992	9.42	
69 Fluorene	166	9.903	9.904	-0.001	554786	10.1	
67 4-Chlorophenyl phenyl ether	204	9.927	9.928	-0.001	224436	8.48	
59 3-Nitroaniline	138	9.946	9.937	0.009	113503	10.3	
70 4,6-Dinitro-2-methylphenol	198	9.985	9.980	0.005	17685	3.15	
71 Diphenylamine	169	10.047	10.043	0.004	311092	6.66	
72 N-Nitrosodiphenylamine	169	10.047	10.043	0.004	311092	6.66	
74 Azobenzene	77	10.076	10.077	-0.001	716107	7.40	
13 Benzophenone	105	10.090	10.091	-0.001	973848	17.0	
55 2-Nitroaniline	65	10.393	10.394	-0.001	18527	8.23	
75 4-Bromophenyl phenyl ether	248	10.398	10.399	-0.001	122163	8.36	
76 Hexachlorobenzene	284	10.441	10.437	0.004	135771	8.32	
77 Atrazine	200	10.595	10.591	0.004	292546	19.4	
78 Pentachlorophenol	266	10.639	10.644	-0.005	67519	9.13	
80 Phenanthrene	178	10.831	10.827	0.004	724091	9.11	
81 Anthracene	178	10.879	10.880	-0.001	736791	10.8	
83 Carbazole	167	11.052	11.048	0.004	585414	9.94	
84 Di-n-butyl phthalate	149	11.446	11.447	-0.001	891460	9.15	
87 Fluoranthene	202	11.980	11.981	-0.001	662257	10.5	
85 Pyrene	202	12.197	12.193	0.004	737397	9.81	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
89 Butyl benzyl phthalate	149	12.894	12.895	-0.001	360209	9.15	
93 Benzo[a]anthracene	228	13.365	13.366	-0.001	535447	10.8	
91 3,3'-Dichlorobenzidine	252	13.370	13.371	-0.001	137134	9.78	
94 Chrysene	228	13.399	13.395	0.004	487117	10.2	
92 Bis(2-ethylhexyl) phthalate	149	13.481	13.481	0.000	556995	10.3	
95 Di-n-octyl phthalate	149	14.091	14.092	-0.001	735145	8.59	
97 Benzo[b]fluoranthene	252	14.370	14.366	0.004	456705	8.98	
98 Benzo[k]fluoranthene	252	14.394	14.390	0.004	468113	9.85	
99 Benzo[a]pyrene	252	14.659	14.659	0.000	380613	10.2	
100 Indeno[1,2,3-cd]pyrene	276	15.616	15.616	0.000	357022	10.8	
101 Dibenz(a,h)anthracene	278	15.635	15.631	0.004	289370	10.7	
102 Benzo[g,h,i]perylene	276	15.822	15.818	0.004	315011	12.0	

Report Date: 23-Sep-2009 15:08:08 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03056.D		
Inj Date:	21-Sep-2009 22:36:30	Limit Group:	SMS - 8270LL SVOA Calibration
Lims Batch ID:	49260	Lims Sample ID:	18
Client ID:	OC-SB-465-8.0/10-XMS	Instrument:	Inst. J
Sample Info:	360-24417-a-10-i ms		
Sample Amount:	1.00 ul	Operator:	



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MS | Lab Sample ID: 360-24417-10 MS

Matrix: Solid | Lab File ID: J03106.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

Extract. Method: 3550B | Date Extracted: 09/15/2009 12:06

Sample wt/vol: 100.50(g) | Date Analyzed: 09/24/2009 01:19

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

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

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

Analysis Batch No.: 49397 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	63.2		5.6	1.3

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	75	30-130	
321-60-8	2-Fluorobiphenyl	64	30-130	
367-12-4	2-Fluorophenol	52	30-130	
4165-60-0	Nitrobenzene-d5	62	30-130	
4165-62-2	Phenol-d5	56	30-130	
1718-51-0	Terphenyl-d14	82	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03106.D		
Lims ID:	360-24417-A-10-L MS	Client ID:	OC-SB-465-8.0/10-XMS
Inject. Date:	24-Sep-2009 01:19:30	Dil. Factor:	1.0000
Sample Type:	MS, Matrix Spike		
Sample ID:	24417-10 MS		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	49397	Lims Sample ID:	18
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 19:13:12	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	25-Sep-2009 19:16:11

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.576	8.575	0.001	96935	2.00	
* 2 Naphthalene-d8	136	9.889	9.888	0.001	193094	2.00	
* 3 Acenaphthene-d10	164	11.687	11.686	0.001	96548	2.00	
* 4 Phenanthrene-d10	188	13.183	13.182	0.001	159750	2.00	
* 5 Chrysene-d12	240	16.010	16.004	0.006	111343	2.00	
* 6 Perylene-d12	264	17.910	17.909	0.001	65207	2.00	
$ 7 2-Fluorophenol	112	7.234	7.233	0.001	156508	5.15	
$ 8 Phenol-d5	99	8.191	8.190	0.001	209619	5.62	
$ 9 Nitrobenzene-d5	82	9.172	9.171	0.001	92859	3.09	
$ 10 2-Fluorobiphenyl	172	10.961	10.960	0.001	204063	3.18	
$ 11 2,4,6-Tribromophenol	330	12.495	12.489	0.006	51338	7.52	
$ 12 Terphenyl-d14	244	14.779	14.778	0.001	189392	4.09	
15 N-Nitrosodimethylamine	74	5.522	5.516	0.006	95802	5.62	
17 Benzaldehyde	105	8.143	8.142	0.001	2360	0.1149	
18 Phenol	94	8.206	8.205	0.001	231138	5.81	
19 Aniline	93	8.278	8.277	0.001	123217	2.67	
20 Bis(2-chloroethyl)ether	93	8.311	8.310	0.001	165515	4.98	
21 2-Chlorophenol	128	8.388	8.387	0.001	172366	5.43	
22 1,4-Dichlorobenzene	146	8.542	8.536	0.006	179996	4.79	
23 1,3-Dichlorobenzene	146	8.595	8.589	0.006	183026	4.71	
24 Benzyl alcohol	79	8.711	8.709	0.002	160097	6.22	
25 1,2-Dichlorobenzene	146	8.792	8.791	0.001	178649	4.89	
26 2-Methylphenol	108	8.816	8.815	0.001	172238	6.01	
27 2,2'-oxybis[1-chloropropane]	45	8.855	8.854	0.001	166634	5.21	
28 3 & 4 Methylphenol	108	8.951	8.950	0.001	185284	6.22	
29 N-Nitrosodi-n-propylamine	70	8.999	8.998	0.001	129999	6.04	
30 Acetophenone	105	8.999	8.998	0.001	238186	5.68	
31 Hexachloroethane	117	9.105	9.104	0.001	66205	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	9.191	9.190	0.001	184354	6.06	
33 Isophorone	82	9.403	9.402	0.001	305578	6.02	
35 2,4-Dimethylphenol	107	9.494	9.489	0.006	191301	7.19	
34 2-Nitrophenol	139	9.514	9.513	0.001	87989	5.62	
36 Benzoic acid	105	9.533	9.565	-0.031	23194	5.30	
37 Bis(2-chloroethoxy)methane	93	9.595	9.594	0.001	204311	6.20	
38 2,4-Dichlorophenol	162	9.735	9.729	0.006	155688	7.48	
39 1,2,4-Trichlorobenzene	180	9.836	9.835	0.001	148463	5.60	
41 Naphthalene	128	9.913	9.907	0.006	515852	5.89	
42 4-Chloroaniline	127	9.961	9.960	0.001	207753	6.43	
43 Hexachlorobutadiene	225	10.057	10.056	0.001	80841	5.78	
44 Caprolactam	55	10.273	10.268	0.005	2813	0.4296	
45 4-Chloro-3-methylphenol	107	10.398	10.397	0.001	175847	7.91	
46 2-Methylnaphthalene	142	10.596	10.595	0.001	340930	6.20	
47 1-Methylnaphthalene	142	10.716	10.715	0.001	4380	0.0810	
49 1,2,4,5-Tetrachlorobenzene	216	10.807	10.806	0.001	139018	6.57	
48 Hexachlorocyclopentadiene	237	10.812	10.811	0.001	46797	5.38	
50 2,4,6-Trichlorophenol	196	10.894	10.893	0.001	108161	7.74	
51 2,4,5-Trichlorophenol	196	10.932	10.931	0.001	117130	8.16	
52 1,1'-Biphenyl	154	11.062	11.061	0.001	4706	0.0695	
53 2-Chloronaphthalene	162	11.101	11.099	0.002	321264	5.36	
54 Phenyl ether	170	11.163	11.162	0.001	703	0.0197	
55 2-Nitroaniline	65	11.221	11.220	0.001	106408	6.91	
56 Dimethyl phthalate	163	11.379	11.378	0.001	422343	7.25	
57 2,6-Dinitrotoluene	165	11.485	11.479	0.006	94380	6.93	
58 Acenaphthylene	152	11.538	11.537	0.001	525995	6.73	
59 3-Nitroaniline	138	11.639	11.633	0.006	99349	7.02	
61 Acenaphthene	153	11.721	11.720	0.001	392812	7.46	
60 2,4-Dinitrophenol	184	11.735	11.735	0.000	9904	5.74	
62 4-Nitrophenol	109	11.740	11.748	-0.008	53904	7.44	
64 Dibenzofuran	168	11.875	11.874	0.001	486482	6.73	
63 2,4-Dinitrotoluene	165	11.880	11.878	0.002	120963	7.06	
65 2,3,4,6-Tetrachlorophenol	232	12.029	11.979	0.050	1258	0.2200	
66 Diethyl phthalate	149	12.072	12.071	0.001	454970	7.75	
67 4-Chlorophenyl phenyl ether	204	12.183	12.177	0.006	193294	6.99	
69 Fluorene	166	12.226	12.225	0.001	468504	8.24	
68 4-Nitroaniline	138	12.264	12.263	0.001	89792	7.72	
70 4,6-Dinitro-2-methylphenol	198	12.288	12.287	0.001	23311	6.84	
71 Diphenylamine	169	12.308	12.306	0.002	266458	5.35	
72 N-Nitrosodiphenylamine	169	12.308	12.306	0.002	266458	5.35	
74 Azobenzene	77	12.341	12.340	0.001	420030	7.05	
75 4-Bromophenyl phenyl ether	248	12.678	12.677	0.001	104974	7.12	
76 Hexachlorobenzene	284	12.865	12.864	0.001	110314	7.28	
78 Pentachlorophenol	266	13.034	13.028	0.006	51180	8.22	
80 Phenanthrene	178	13.207	13.206	0.001	646540	7.84	
81 Anthracene	178	13.255	13.249	0.006	656579	8.89	
83 Carbazole	167	13.399	13.398	0.001	541131	8.29	
84 Di-n-butyl phthalate	149	13.683	13.682	0.001	1103196	11.5	
85 Pyrene	202	14.438	14.437	0.001	622603	8.69	
87 Fluoranthene	202	14.693	14.692	0.001	701590	9.17	
89 Butyl benzyl phthalate	149	15.275	15.273	0.002	338187	8.68	
92 Bis(2-ethylhexyl) phthalate	149	15.852	15.851	0.001	576029	11.7	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
91 3,3'-Dichlorobenzidine	252	15.929	15.923	0.006	106026	8.02	
93 Benzo[a]anthracene	228	15.986	15.985	0.001	478613	9.78	
94 Chrysene	228	16.039	16.038	0.001	440754	8.90	
95 Di-n-octyl phthalate	149	16.525	16.524	0.001	574572	7.52	
97 Benzo[b]fluoranthene	252	17.328	17.327	0.001	337576	7.50	
98 Benzo[k]fluoranthene	252	17.357	17.356	0.001	359393	8.49	
99 Benzo[a]pyrene	252	17.828	17.822	0.006	253392	8.32	
101 Dibenz(a,h)anthracene	278	19.824	19.823	0.001	144368	8.87	
100 Indeno[1,2,3-cd]pyrene	276	19.843	19.837	0.006	192463	8.37	
102 Benzo[g,h,i]perylene	276	20.439	20.433	0.006	167486	8.56	

Report Date: 25-Sep-2009 19:16:11 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03106.D

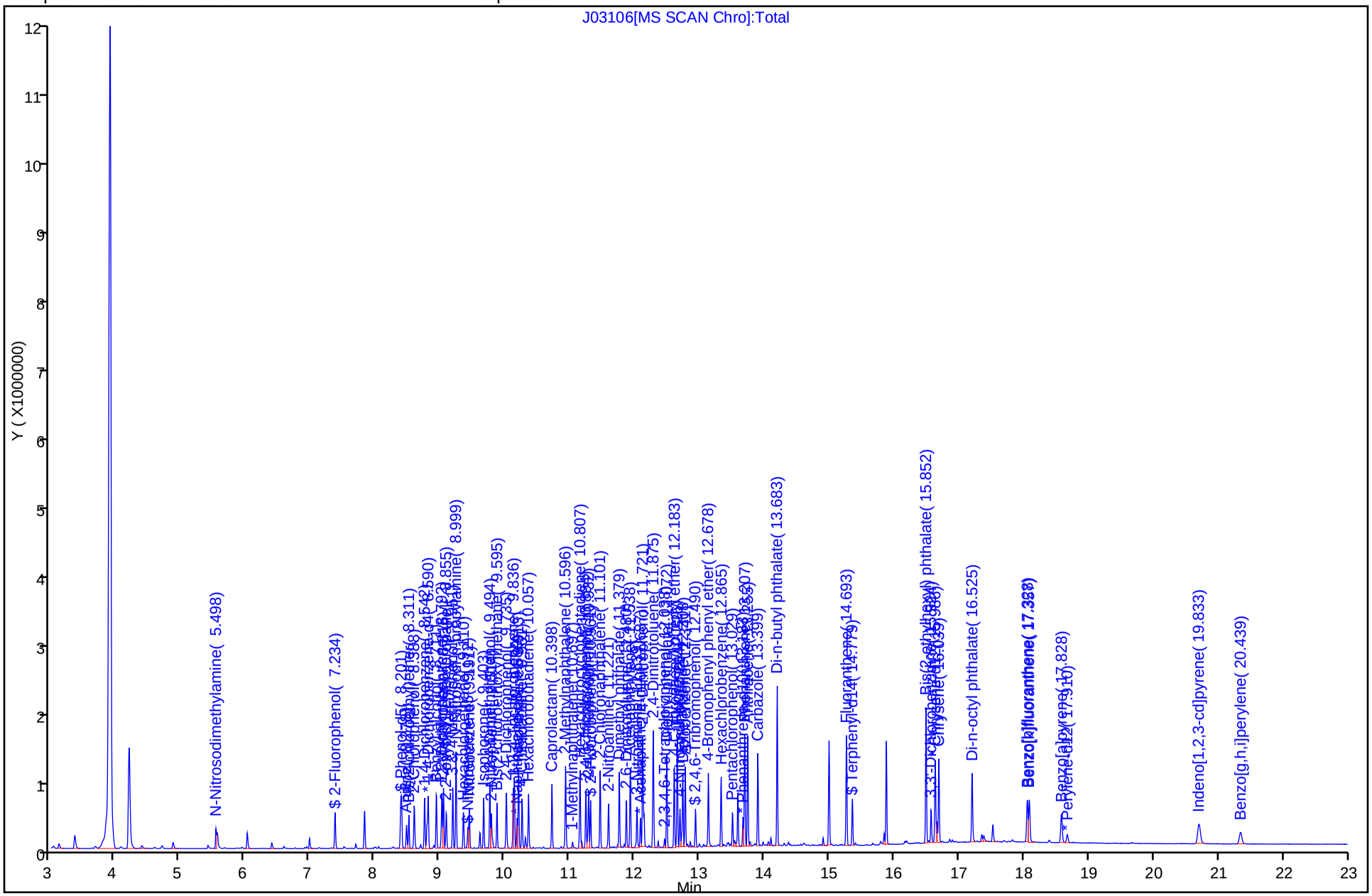
Inj Date: 24-Sep-2009 01:19:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49397 Lims Sample ID: 18

Client ID: OC-SB-465-8.0/10-XMS Instrument: Inst. J

Sample Info: 24417-10 MS

Sample Amount: 1.00 ul Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MSD | Lab Sample ID: 360-24417-10 MSD

Matrix: Solid | Lab File ID: J03057.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

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

Sample wt/vol: 30.15(g) | Date Analyzed: 09/21/2009 23:03

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

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

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

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	305		37	11
95-94-3	1,2,4,5-Tetrachlorobenzene	287		37	11
120-82-1	1,2,4-Trichlorobenzene	260		37	11
95-50-1	1,2-Dichlorobenzene	211		37	11
541-73-1	1,3-Dichlorobenzene	209		37	11
106-46-7	1,4-Dichlorobenzene	212		37	11
90-12-0	1-Methylnaphthalene	292		37	11
108-60-1	2,2'-oxybis[1-chloropropane]	232		37	11
58-90-2	2,3,4,6-Tetrachlorophenol	280		37	11
95-95-4	2,4,5-Trichlorophenol	310		37	11
88-06-2	2,4,6-Trichlorophenol	318		37	11
120-83-2	2,4-Dichlorophenol	304		37	11
105-67-9	2,4-Dimethylphenol	325		37	15
51-28-5	2,4-Dinitrophenol	68.3		37	11
121-14-2	2,4-Dinitrotoluene	298		37	11
606-20-2	2,6-Dinitrotoluene	308		37	11
91-58-7	2-Chloronaphthalene	209		37	11
95-57-8	2-Chlorophenol	250		37	11
91-57-6	2-Methylnaphthalene	276		37	11
95-48-7	2-Methylphenol	274		37	22
88-74-4	2-Nitroaniline	278		190	11
88-75-5	2-Nitrophenol	265		37	11
15831-10-4	3 & 4 Methylphenol	280		37	11
91-94-1	3,3'-Dichlorobenzidine	349		75	11
99-09-2	3-Nitroaniline	343		190	11
534-52-1	4,6-Dinitro-2-methylphenol	85.2	J	190	11
101-55-3	4-Bromophenyl phenyl ether	303		37	11
59-50-7	4-Chloro-3-methylphenol	315		75	11
106-47-8	4-Chloroaniline	273		75	11
7005-72-3	4-Chlorophenyl phenyl ether	296		37	11
100-01-6	4-Nitroaniline	320		190	11
100-02-7	4-Nitrophenol	304		190	11
83-32-9	Acenaphthene	320		37	11
208-96-8	Acenaphthylene	295		37	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MSD | Lab Sample ID: 360-24417-10 MSD

Matrix: Solid | Lab File ID: J03057.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

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

Sample wt/vol: 30.15(g) | Date Analyzed: 09/21/2009 23:03

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

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

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

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-86-2	Acetophenone	272		37	11
62-53-3	Aniline	110		37	11
120-12-7	Anthracene	390		37	11
1912-24-9	Atrazine	342		37	11
103-33-3	Azobenzene	317		37	11
100-52-7	Benzaldehyde	272		37	11
56-55-3	Benzo[a]anthracene	382		37	11
50-32-8	Benzo[a]pyrene	359		37	11
205-99-2	Benzo[b]fluoranthene	349		37	11
191-24-2	Benzo[g,h,i]perylene	401		37	11
207-08-9	Benzo[k]fluoranthene	330		37	11
65-85-0	Benzoic acid	69.3	J	190	17
119-61-9	Benzophenone	345		37	11
100-51-6	Benzyl alcohol	236		75	32
111-91-1	Bis(2-chloroethoxy)methane	300		37	11
111-44-4	Bis(2-chloroethyl)ether	230		37	11
117-81-7	Bis(2-ethylhexyl) phthalate	371		37	11
85-68-7	Butyl benzyl phthalate	322		37	11
105-60-2	Caprolactam	329		37	11
86-74-8	Carbazole	346		37	11
218-01-9	Chrysene	369		37	11
53-70-3	Dibenz(a,h)anthracene	370		37	11
132-64-9	Dibenzofuran	287		37	11
84-66-2	Diethyl phthalate	328		37	11
131-11-3	Dimethyl phthalate	314		37	11
84-74-2	Di-n-butyl phthalate	330		37	33
117-84-0	Di-n-octyl phthalate	302		37	19
101-84-8	Diphenyl oxide	309		37	11
122-39-4	Diphenylamine	239		37	11
206-44-0	Fluoranthene	366		37	11
86-73-7	Fluorene	355		37	11
118-74-1	Hexachlorobenzene	294		37	11
87-68-3	Hexachlorobutadiene	265		37	11
77-47-4	Hexachlorocyclopentadiene	126		75	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MSD | Lab Sample ID: 360-24417-10 MSD

Matrix: Solid | Lab File ID: J03057.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

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

Sample wt/vol: 30.15(g) | Date Analyzed: 09/21/2009 23:03

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

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

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

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

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	223		37	11
193-39-5	Indeno[1,2,3-cd]pyrene	366		37	11
78-59-1	Isophorone	246		37	11
91-20-3	Naphthalene	268		90	11
98-95-3	Nitrobenzene	293		37	11
62-75-9	N-Nitrosodimethylamine	269		37	13
621-64-7	N-Nitrosodi-n-propylamine	266		37	11
86-30-6	N-Nitrosodiphenylamine	239		37	11
87-86-5	Pentachlorophenol	298		37	11
85-01-8	Phenanthrene	327		45	11
108-95-2	Phenol	258		37	11
129-00-0	Pyrene	350		37	11

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	75	30-130	
367-12-4	2-Fluorophenol	61	30-130	
321-60-8	2-Fluorobiphenyl	68	30-130	
4165-60-0	Nitrobenzene-d5	71	30-130	
4165-62-2	Phenol-d5	63	30-130	
1718-51-0	Terphenyl-d14	73	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03057.D		
Lims ID:	360-24417-A-10-J MSD	Client ID:	OC-SB-465-8.0/10-MSD
Inject. Date:	21-Sep-2009 23:03:30	Dil. Factor:	1.0000
Sample Type:	MSD, Matrix Spike Duplicate		
Sample ID:	360-24417-A-10-J MSD		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	49260	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\8270NDMA.m		
Last Update:	23-Sep-2009 15:09:19	Calib Date:	21-Sep-2009 18:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03048.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1001		
Reviewed By:	sullivanp	Date:	23-Sep-2009 15:09:19

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	6.299	6.302	-0.003	108416	2.00	
* 2 Naphthalene-d8	136	7.641	7.643	-0.002	210879	2.00	
* 3 Acenaphthene-d10	164	9.372	9.370	0.002	104937	2.00	
* 4 Phenanthrene-d10	188	10.805	10.808	-0.003	164991	2.00	
* 5 Chrysene-d12	240	13.373	13.371	0.002	114313	2.00	
* 6 Perylene-d12	264	14.705	14.708	-0.003	83629	2.00	
$ 7 2-Fluorophenol	112	4.501	4.436	0.065	209345	6.11	
$ 8 Phenol-d5	99	5.977	5.965	0.012	253510	6.28	
$ 9 Nitrobenzene-d5	82	6.920	6.917	0.003	116215	3.54	
$ 10 2-Fluorobiphenyl	172	8.737	8.735	0.002	227910	3.42	
$ 11 2,4,6-Tribromophenol	330	10.141	10.139	0.002	56815	7.53	
$ 12 Terphenyl-d14	244	12.387	12.385	0.002	176261	3.63	
15 N-Nitrosodimethylamine	74	1.750	1.685	0.065	122876	7.17	
19 Aniline	93	5.929	5.927	0.002	146243	2.94	
18 Phenol	94	5.991	5.980	0.011	299250	6.88	
21 2-Chlorophenol	128	6.059	6.052	0.007	236050	6.66	
20 Bis(2-chloroethyl)ether	93	6.054	6.057	-0.002	221408	6.13	
22 1,4-Dichlorobenzene	146	6.227	6.225	0.002	235441	5.66	
23 1,3-Dichlorobenzene	146	6.318	6.321	-0.003	241739	5.57	
25 1,2-Dichlorobenzene	146	6.482	6.480	0.002	230781	5.63	
24 Benzyl alcohol	79	6.501	6.499	0.002	198316	6.31	
26 2-Methylphenol	108	6.660	6.653	0.007	223563	7.31	
27 2,2'-oxybis[1-chloropropane]	45	6.669	6.662	0.007	232167	6.19	
30 Acetophenone	105	6.770	6.768	0.002	327742	7.26	
17 Benzaldehyde	105	6.770	6.768	0.002	327742	7.26	
29 N-Nitrosodi-n-propylamine	70	6.799	6.802	-0.003	171078	7.09	
28 3 & 4 Methylphenol	108	6.828	6.826	0.002	236853	7.48	
31 Hexachloroethane	117	6.838	6.840	-0.002	96069	5.96	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
32 Nitrobenzene	77	6.939	6.937	0.002	257689	7.81	
33 Isophorone	82	7.198	7.201	-0.003	396954	6.55	
34 2-Nitrophenol	139	7.271	7.273	-0.002	113695	7.06	
35 2,4-Dimethylphenol	107	7.367	7.360	0.007	258687	8.68	
37 Bis(2-chloroethoxy)methane	93	7.458	7.456	0.002	270754	8.00	
36 Benzoic acid	105	7.468	7.458	0.010	503	1.85	
38 2,4-Dichlorophenol	162	7.525	7.523	0.002	188826	8.11	
39 1,2,4-Trichlorobenzene	180	7.598	7.595	0.003	192275	6.95	
41 Naphthalene	128	7.660	7.663	-0.003	681440	7.16	
42 4-Chloroaniline	127	7.747	7.744	0.003	244355	7.28	
43 Hexachlorobutadiene	225	7.814	7.812	0.002	107137	7.06	
44 Caprolactam	55	8.078	8.057	0.021	85941	8.79	
45 4-Chloro-3-methylphenol	107	8.261	8.254	0.007	231458	8.40	
46 2-Methylnaphthalene	142	8.357	8.360	-0.003	443228	7.37	
47 1-Methylnaphthalene	142	8.454	8.451	0.003	458590	7.79	
48 Hexachlorocyclopentadiene	237	8.521	8.523	-0.002	37969	3.35	
49 1,2,4,5-Tetrachlorobenzene	216	8.526	8.528	-0.002	176400	7.67	
50 2,4,6-Trichlorophenol	196	8.656	8.653	0.003	132167	8.48	
51 2,4,5-Trichlorophenol	196	8.684	8.682	0.002	133806	8.26	
52 1,1'-Biphenyl	154	8.829	8.826	0.003	569933	8.14	
53 2-Chloronaphthalene	162	8.829	8.831	-0.002	405412	5.56	
54 Phenyl ether	170	8.939	8.937	0.002	306790	8.25	
68 4-Nitroaniline	138	8.949	8.947	0.002	159804	8.53	
56 Dimethyl phthalate	163	9.156	9.153	0.003	524234	8.38	
63 2,4-Dinitrotoluene	165	9.204	9.201	0.003	116068	7.95	
58 Acenaphthylene	152	9.228	9.226	0.002	659075	7.88	
61 Acenaphthene	153	9.401	9.399	0.002	488203	8.53	
60 2,4-Dinitrophenol	184	9.468	9.466	0.002	2140	1.82	
62 4-Nitrophenol	109	9.550	9.543	0.007	68473	8.11	
64 Dibenzofuran	168	9.574	9.572	0.002	589672	7.65	
57 2,6-Dinitrotoluene	165	9.593	9.591	0.002	150503	8.21	
65 2,3,4,6-Tetrachlorophenol	232	9.709	9.706	0.003	92019	7.46	
66 Diethyl phthalate	149	9.848	9.846	0.002	555681	8.76	
69 Fluorene	166	9.906	9.904	0.002	567520	9.48	
67 4-Chlorophenyl phenyl ether	204	9.925	9.928	-0.003	228053	7.90	
59 3-Nitroaniline	138	9.944	9.937	0.007	109322	9.15	
70 4,6-Dinitro-2-methylphenol	198	9.983	9.980	0.003	10713	2.27	
71 Diphenylamine	169	10.045	10.043	0.002	312858	6.37	
72 N-Nitrosodiphenylamine	169	10.045	10.043	0.002	312858	6.37	
74 Azobenzene	77	10.079	10.077	0.002	860448	8.47	
13 Benzophenone	105	10.093	10.091	0.002	553929	9.19	
55 2-Nitroaniline	65	10.396	10.394	0.002	18249	7.43	
75 4-Bromophenyl phenyl ether	248	10.396	10.399	-0.003	124090	8.09	
76 Hexachlorobenzene	284	10.440	10.437	0.003	134584	7.85	
77 Atrazine	200	10.593	10.591	0.002	143470	9.12	
78 Pentachlorophenol	266	10.642	10.644	-0.002	61047	7.94	
80 Phenanthrene	178	10.829	10.827	0.002	728460	8.72	
81 Anthracene	178	10.882	10.880	0.002	745685	10.4	
83 Carbazole	167	11.050	11.048	0.002	571924	9.24	
84 Di-n-butyl phthalate	149	11.445	11.447	-0.002	901280	8.80	
87 Fluoranthene	202	11.983	11.981	0.002	647749	9.77	
85 Pyrene	202	12.195	12.193	0.002	727160	9.34	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
89 Butyl benzyl phthalate	149	12.897	12.895	0.002	349577	8.58	
93 Benzo[a]anthracene	228	13.368	13.366	0.002	523293	10.2	
91 3,3'-Dichlorobenzidine	252	13.368	13.371	-0.003	135315	9.32	
94 Chrysene	228	13.402	13.395	0.007	486501	9.83	
92 Bis(2-ethylhexyl) phthalate	149	13.479	13.481	-0.002	554438	9.89	
95 Di-n-octyl phthalate	149	14.089	14.092	-0.003	693152	8.06	
97 Benzo[b]fluoranthene	252	14.368	14.366	0.002	477991	9.31	
98 Benzo[k]fluoranthene	252	14.392	14.390	0.002	421667	8.79	
99 Benzo[a]pyrene	252	14.657	14.659	-0.002	360635	9.58	
100 Indeno[1,2,3-cd]pyrene	276	15.614	15.616	-0.002	324913	9.77	
101 Dibenz(a,h)anthracene	278	15.633	15.631	0.002	268852	9.87	
102 Benzo[g,h,i]perylene	276	15.821	15.818	0.003	284027	10.7	

Report Date: 23-Sep-2009 15:09:20 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090922-1.b\J03057.D

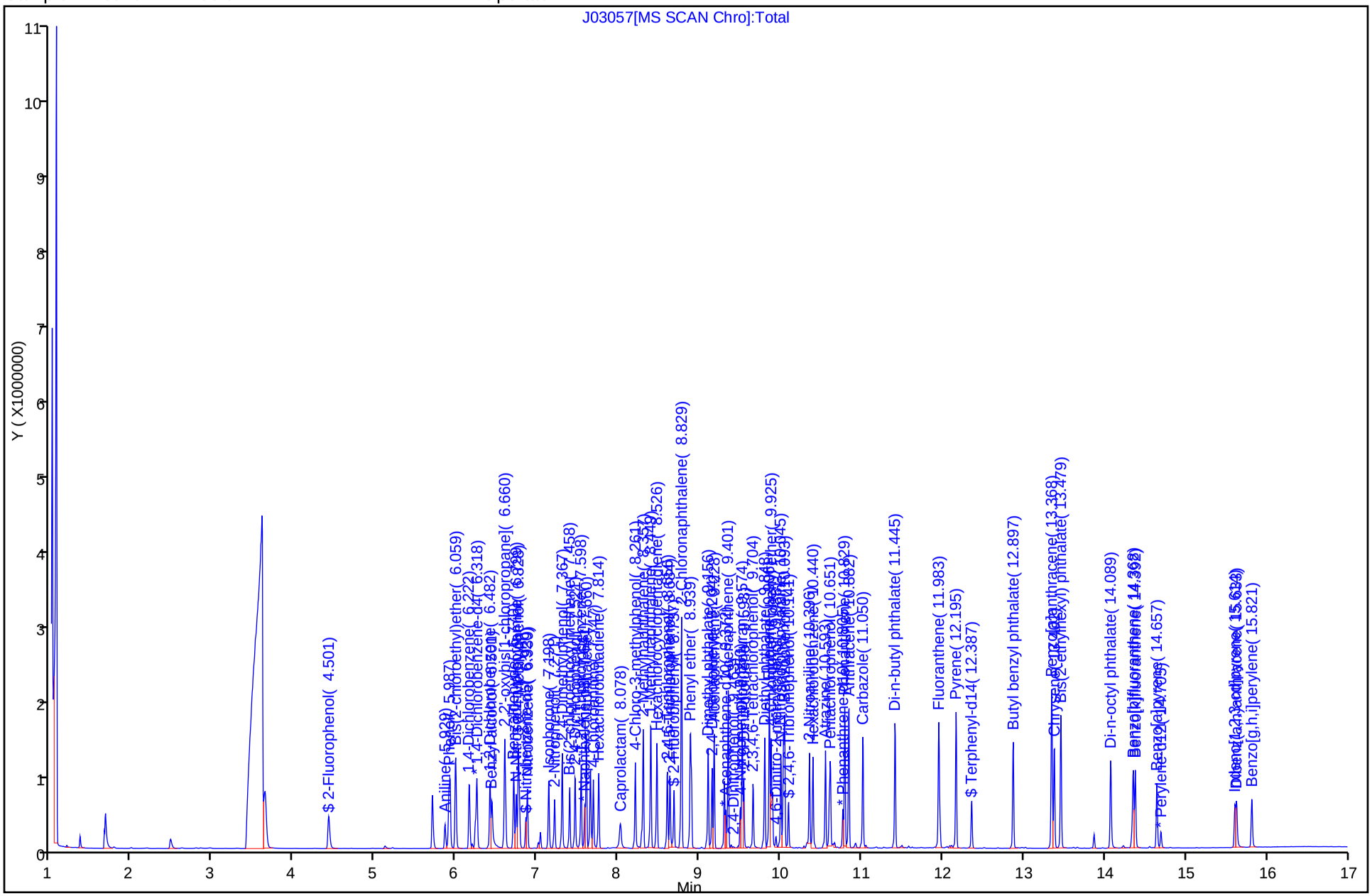
Inj Date: 21-Sep-2009 23:03:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49260 Lims Sample ID: 19

Client ID: OC-SB-465-8.0/10-MSD Instrument: Inst. J

Sample Info: 360-24417-A-10-J MSD

Sample Amount: 1.00 ul Operator:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MSD | Lab Sample ID: 360-24417-10 MSD

Matrix: Solid | Lab File ID: J03107.D

Analysis Method: 8270C LL | Date Collected: 09/02/2009 07:45

Extract. Method: 3550B | Date Extracted: 09/15/2009 12:06

Sample wt/vol: 100.15(g) | Date Analyzed: 09/24/2009 01:53

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

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

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

Analysis Batch No.: 49397 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
62-75-9	N-Nitrosodimethylamine	68.0		5.6	1.3

CAS NO.	SURROGATE	%REC	LIMITS	Q
118-79-6	2,4,6-Tribromophenol	80	30-130	
321-60-8	2-Fluorobiphenyl	67	30-130	
367-12-4	2-Fluorophenol	53	30-130	
4165-60-0	Nitrobenzene-d5	68	30-130	
4165-62-2	Phenol-d5	57	30-130	
1718-51-0	Terphenyl-d14	78	30-130	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03107.D		
Lims ID:	24417a10 m msd	Client ID:	
Inject. Date:	24-Sep-2009 01:53:30	Dil. Factor:	1.0000
Sample Type:	MSD, Matrix Spike Duplicate		
Sample ID:	24417-10 MSD		
Operator:		Instrument ID:	Inst. J
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	49397	Lims Sample ID:	19
Detector:	MS SCAN		

Method:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\8270NDMA.m		
Last Update:	25-Sep-2009 19:13:12	Calib Date:	23-Sep-2009 20:48:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03099.D		
Limit Group:	SMS - 8270LL SVOA Calibration		
Integrator:	RTE		
Process Host:	WES1003		

Reviewed By:	rachtank	Date:	25-Sep-2009 19:17:10

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

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
* 1 1,4-Dichlorobenzene-d4	150	8.575	8.575	0.000	110667	2.00	
* 2 Naphthalene-d8	136	9.892	9.888	0.004	208276	2.00	
* 3 Acenaphthene-d10	164	11.686	11.686	0.000	101954	2.00	
* 4 Phenanthrene-d10	188	13.182	13.182	0.000	164273	2.00	
* 5 Chrysene-d12	240	16.009	16.004	0.005	113552	2.00	
* 6 Perylene-d12	264	17.913	17.909	0.004	71036	2.00	
$ 7 2-Fluorophenol	112	7.238	7.233	0.005	183929	5.30	
$ 8 Phenol-d5	99	8.195	8.190	0.005	244081	5.74	
$ 9 Nitrobenzene-d5	82	9.176	9.171	0.005	109358	3.38	
$ 10 2-Fluorobiphenyl	172	10.960	10.960	0.000	228659	3.37	
$ 11 2,4,6-Tribromophenol	330	12.494	12.489	0.005	55915	7.96	
$ 12 Terphenyl-d14	244	14.778	14.778	0.000	184729	3.91	
14 1,4-Dioxane	88	4.882	4.867	0.015	65007	4.41	
16 Pyridine	79	5.502	5.492	0.010	183041	4.90	
15 N-Nitrosodimethylamine	74	5.526	5.516	0.010	117280	6.02	
17 Benzaldehyde	105	8.147	8.142	0.005	2912	0.1242	
18 Phenol	94	8.204	8.205	-0.001	278045	6.12	
19 Aniline	93	8.277	8.277	0.000	152923	2.90	
20 Bis(2-chloroethyl)ether	93	8.315	8.310	0.005	202574	5.34	
21 2-Chlorophenol	128	8.392	8.387	0.005	209910	5.79	
22 1,4-Dichlorobenzene	146	8.541	8.536	0.005	219593	5.12	
23 1,3-Dichlorobenzene	146	8.594	8.589	0.005	226807	5.12	
24 Benzyl alcohol	79	8.714	8.709	0.005	193806	6.59	
25 1,2-Dichlorobenzene	146	8.796	8.791	0.005	213857	5.13	
26 2-Methylphenol	108	8.820	8.815	0.005	203205	6.21	
27 2,2'-oxybis[1-chloropropane]	45	8.858	8.854	0.004	203179	5.57	
28 3 & 4 Methylphenol	108	8.955	8.950	0.005	216661	6.38	
29 N-Nitrosodi-n-propylamine	70	8.998	8.998	0.000	156476	6.36	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
30 Acetophenone	105	9.003	8.998	0.005	290657	6.07	
31 Hexachloroethane	117	9.108	9.104	0.004	81815	5.41	
32 Nitrobenzene	77	9.195	9.190	0.005	230030	7.01	
33 Isophorone	82	9.402	9.402	0.000	367104	6.70	
35 2,4-Dimethylphenol	107	9.493	9.489	0.005	227609	7.93	
34 2-Nitrophenol	139	9.517	9.513	0.004	108392	6.41	
36 Benzoic acid	105	9.532	9.565	-0.032	22599	4.96	
37 Bis(2-chloroethoxy)methane	93	9.599	9.594	0.005	246964	6.95	
38 2,4-Dichlorophenol	162	9.734	9.729	0.005	180405	8.03	
39 1,2,4-Trichlorobenzene	180	9.835	9.835	0.000	179752	6.29	
40 Alpha-Terpineol	59	9.849	9.849	0.000	146410	7.22	
41 Naphthalene	128	9.912	9.907	0.005	617619	6.54	
42 4-Chloroaniline	127	9.964	9.960	0.004	241554	6.93	
43 Hexachlorobutadiene	225	10.056	10.056	0.000	99250	6.58	
44 Caprolactam	55	10.277	10.268	0.009	2190	0.3390	
45 4-Chloro-3-methylphenol	107	10.397	10.397	0.000	207646	8.66	
46 2-Methylnaphthalene	142	10.599	10.595	0.004	403303	6.80	
47 1-Methylnaphthalene	142	10.715	10.715	0.000	5213	0.0894	
49 1,2,4,5-Tetrachlorobenzene	216	10.806	10.806	0.000	163300	7.16	
48 Hexachlorocyclopentadiene	237	10.811	10.811	0.000	50021	5.44	
50 2,4,6-Trichlorophenol	196	10.893	10.893	0.000	125981	8.53	
51 2,4,5-Trichlorophenol	196	10.931	10.931	0.000	135692	8.95	
52 1,1'-Biphenyl	154	11.061	11.061	0.000	5727	0.0801	
53 2-Chloronaphthalene	162	11.099	11.099	0.000	373644	5.90	
54 Phenyl ether	170	11.167	11.162	0.005	865	0.0224	
55 2-Nitroaniline	65	11.224	11.220	0.004	125625	7.72	
56 Dimethyl phthalate	163	11.378	11.378	0.000	486145	7.90	
57 2,6-Dinitrotoluene	165	11.484	11.479	0.005	111586	7.76	
58 Acenaphthylene	152	11.542	11.537	0.005	605838	7.35	
59 3-Nitroaniline	138	11.638	11.633	0.005	113873	7.61	
61 Acenaphthene	153	11.720	11.720	0.000	452154	8.13	
60 2,4-Dinitrophenol	184	11.734	11.735	-0.001	13196	6.67	
62 4-Nitrophenol	109	11.739	11.748	-0.009	59208	7.72	
64 Dibenzofuran	168	11.874	11.874	0.000	549679	7.20	
63 2,4-Dinitrotoluene	165	11.878	11.878	0.000	139646	7.71	
65 2,3,4,6-Tetrachlorophenol	232	12.023	11.979	0.044	1420	0.2275	
66 Diethyl phthalate	149	12.071	12.071	0.000	500681	8.08	
67 4-Chlorophenyl phenyl ether	204	12.181	12.177	0.004	219671	7.53	
69 Fluorene	166	12.225	12.225	0.000	520778	8.67	
68 4-Nitroaniline	138	12.263	12.263	0.000	91284	7.43	
70 4,6-Dinitro-2-methylphenol	198	12.287	12.287	0.000	27907	7.60	
71 Diphenylamine	169	12.306	12.306	0.000	297260	5.81	
72 N-Nitrosodiphenylamine	169	12.306	12.306	0.000	297260	5.81	
74 Azobenzene	77	12.340	12.340	0.000	458854	7.49	
73 1,2-Diphenylhydrazine	77	12.340	12.340	0.000	458854	7.49	
75 4-Bromophenyl phenyl ether	248	12.681	12.677	0.004	115331	7.61	
76 Hexachlorobenzene	284	12.864	12.864	0.000	119141	7.65	
78 Pentachlorophenol	266	13.032	13.028	0.004	55667	8.62	
79 Pentachloronitrobenzene	237	13.109	13.105	0.004	50595	8.28	
80 Phenanthrene	178	13.206	13.206	0.000	696254	8.21	
81 Anthracene	178	13.254	13.249	0.005	704929	9.28	
83 Carbazole	167	13.398	13.398	0.000	555176	8.27	

Compound	Sig	RT	EXP RT	DLT RT	Response	Amount ug/mL	Flags
84 Di-n-butyl phthalate	149	13.682	13.682	0.000	1127186	11.4	
85 Pyrene	202	14.437	14.437	0.000	640537	8.77	
86 Benzidine	184	14.533	14.528	0.005	1310	0.4689	
87 Fluoranthene	202	14.691	14.692	-0.001	712414	9.05	
89 Butyl benzyl phthalate	149	15.273	15.273	0.000	339976	8.56	
90 4,4'-DDT	235	15.422	15.421	0.001	36		
92 Bis(2-ethylhexyl) phthalate	149	15.850	15.851	-0.001	581014	11.6	
91 3,3'-Dichlorobenzidine	252	15.923	15.923	0.000	108887	8.07	
93 Benzo[a]anthracene	228	15.985	15.985	0.000	481086	9.64	
94 Chrysene	228	16.038	16.038	0.000	449468	8.90	
95 Di-n-octyl phthalate	149	16.524	16.524	0.000	587082	7.08	
97 Benzo[b]fluoranthene	252	17.327	17.327	0.000	393625	8.02	
98 Benzo[k]fluoranthene	252	17.360	17.356	0.004	348483	7.57	
99 Benzo[a]pyrene	252	17.827	17.822	0.005	281996	8.49	
101 Dibenz(a,h)anthracene	278	19.827	19.823	0.004	189300	10.3	
100 Indeno[1,2,3-cd]pyrene	276	19.842	19.837	0.005	242430	9.59	
102 Benzo[g,h,i]perylene	276	20.438	20.433	0.005	214194	9.95	

Report Date: 25-Sep-2009 19:17:10 Chrom Revision: 1.1 20-Sep-2009 21:03:36

Data File: \\wessvr06\chromdata\INSTJ.i\20090923-1.b\J03107.D

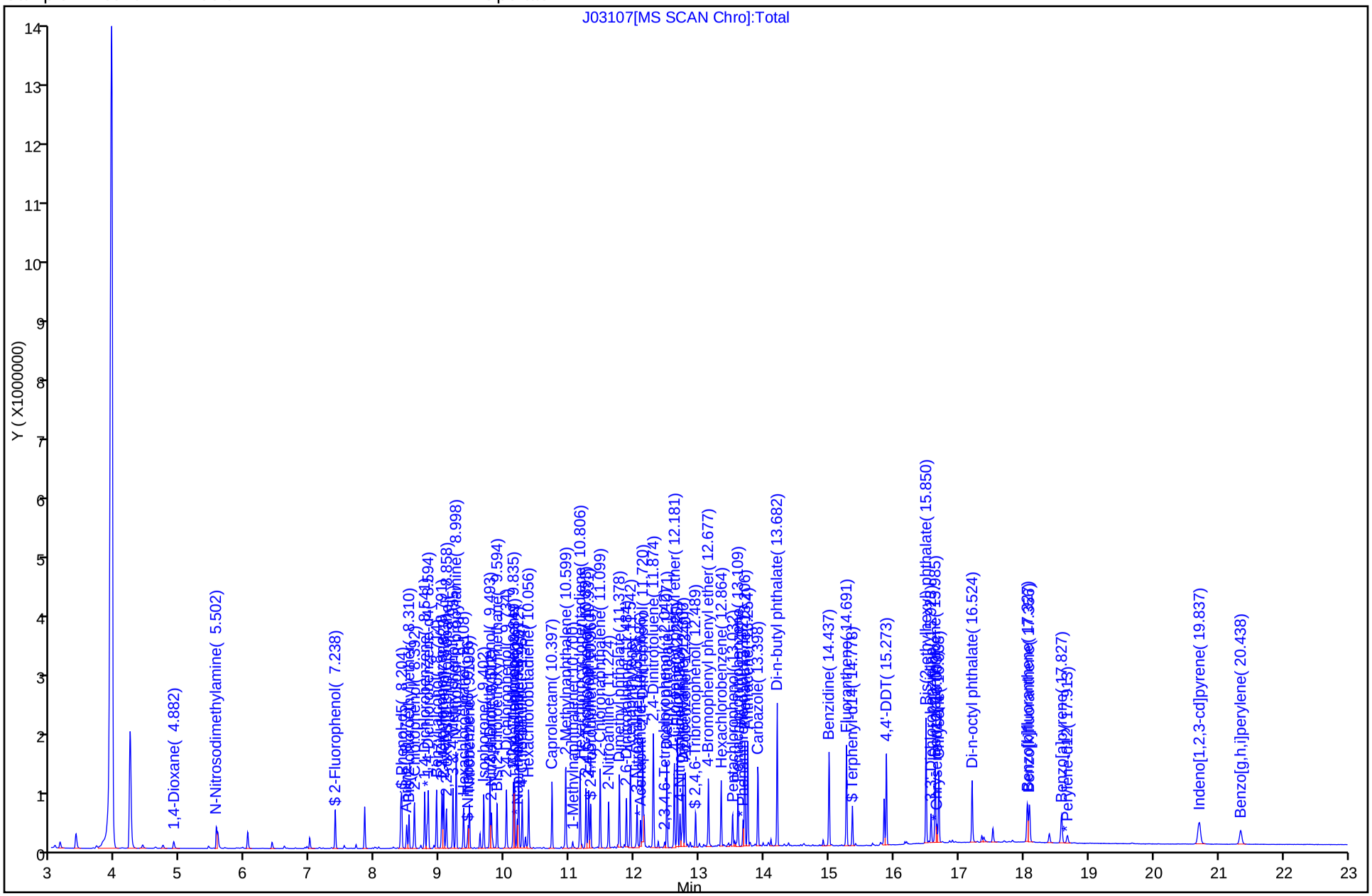
Inj Date: 24-Sep-2009 01:53:30 Limit Group: SMS - 8270LL SVOA Calibration

Lims Batch ID: 49397 Lims Sample ID: 19

Client ID: Instrument: Inst. J

Sample Info: 24417-10 MSD

Sample Amount: 1.00 ul Operator:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Inst. B Start Date: 09/21/2009 14:53

Analysis Batch Number: 49265 End Date: 09/21/2009 21:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49265/1		09/21/2009 14:53	1		Rtx-5ms SIL with guard column 0.25(um)
STD5 360-49265/2 ICIS		09/21/2009 15:24	1		Rtx-5ms SIL with guard column 0.25(um)
STD01 360-49265/3 IC		09/21/2009 15:55	1	B10440.D	Rtx-5ms SIL with guard column 0.25(um)
STD025 360-49265/4 IC		09/21/2009 16:25	1	B10441.D	Rtx-5ms SIL with guard column 0.25(um)
STD05 360-49265/5 IC		09/21/2009 16:56	1	B10442.D	Rtx-5ms SIL with guard column 0.25(um)
STD1 360-49265/6 IC		09/21/2009 17:27	1	B10443.D	Rtx-5ms SIL with guard column 0.25(um)
STD25 360-49265/7 IC		09/21/2009 17:58	1	B10444.D	Rtx-5ms SIL with guard column 0.25(um)
STD8 360-49265/8 IC		09/21/2009 18:29	1	B10445.D	Rtx-5ms SIL with guard column 0.25(um)
STD10 360-49265/9 IC		09/21/2009 19:00	1	B10446.D	Rtx-5ms SIL with guard column 0.25(um)
STD20 360-49265/10 IC		09/21/2009 19:31	1	B10447.D	Rtx-5ms SIL with guard column 0.25(um)
ICV 360-49265/11		09/21/2009 20:02	1		Rtx-5ms SIL with guard column 0.25(um)
MB 360-48854/1-A		09/21/2009 20:33	1	B10449.D	Rtx-5ms SIL with guard column 0.25(um)
LCS 360-48854/2-A		09/21/2009 21:05	1	B10450.D	Rtx-5ms SIL with guard column 0.25(um)
LCSD 360-48854/3-A		09/21/2009 21:36	1	B10451.D	Rtx-5ms SIL with guard column 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Inst. B Start Date: 09/21/2009 22:07

Analysis Batch Number: 49266 End Date: 09/22/2009 09:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49266/15		09/21/2009 22:07	1	B10452.D	Rtx-5ms SIL with guard column 0.25(um)
CCV 360-49266/16 CCVIS		09/21/2009 22:38	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/21/2009 23:09	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/21/2009 23:40	100		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 00:11	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 00:42	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 01:13	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 01:44	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 02:15	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 02:46	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 03:17	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 03:48	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 04:19	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 04:50	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 05:21	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 05:52	1		Rtx-5ms SIL with guard column 0.25(um)
360-24417-1	OC-SB-463-0.0/1.0-XXX	09/22/2009 06:23	1	B10466.D	Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 06:54	1		Rtx-5ms SIL with guard column 0.25(um)
360-24417-3	OC-SB-463-6.0/8.0-XXX	09/22/2009 07:25	1	B10468.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-4	OC-SB-464-0.0/1.0-XXX	09/22/2009 07:56	1	B10469.D	Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 08:27	1		Rtx-5ms SIL with guard column 0.25(um)
360-24417-6	OC-SB-464-5.0/7.0-XXX	09/22/2009 08:58	1	B10471.D	Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 09:29	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 09:59	1		Rtx-5ms SIL with guard column 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Inst. B Start Date: 09/23/2009 17:49

Analysis Batch Number: 49442 End Date: 09/23/2009 23:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49442/1		09/23/2009 17:49	1	B10511.D	Rtx-5ms SIL with guard column 0.25(um)
STD5 360-49442/2 ICIS		09/23/2009 18:20	1	B10512.D	Rtx-5ms SIL with guard column 0.25(um)
STD01 360-49442/3 IC		09/23/2009 18:51	1	B10513.D	Rtx-5ms SIL with guard column 0.25(um)
STD025 360-49442/4 IC		09/23/2009 19:22	1	B10514.D	Rtx-5ms SIL with guard column 0.25(um)
STD05 360-49442/5 IC		09/23/2009 19:54	1	B10515.D	Rtx-5ms SIL with guard column 0.25(um)
STD1 360-49442/6 IC		09/23/2009 20:25	1	B10516.D	Rtx-5ms SIL with guard column 0.25(um)
STD25 360-49442/7 IC		09/23/2009 20:57	1	B10517.D	Rtx-5ms SIL with guard column 0.25(um)
STD8 360-49442/8 IC		09/23/2009 21:29	1	B10518.D	Rtx-5ms SIL with guard column 0.25(um)
STD10 360-49442/9 IC		09/23/2009 22:01	1	B10519.D	Rtx-5ms SIL with guard column 0.25(um)
STD20 360-49442/10 IC		09/23/2009 22:32	1	B10520.D	Rtx-5ms SIL with guard column 0.25(um)
ICV 360-49442/11		09/23/2009 23:04	1		Rtx-5ms SIL with guard column 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Inst. B Start Date: 09/23/2009 23:36

Analysis Batch Number: 49444 End Date: 09/24/2009 10:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49444/15		09/23/2009 23:36	1	B10522.D	Rtx-5ms SIL with guard column 0.25(um)
CCV 360-49444/16 CCVIS		09/24/2009 00:08	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 00:39	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 01:11	5		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 02:15	1000		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 02:47	1000		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 03:18	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 03:50	1		Rtx-5ms SIL with guard column 0.25(um)
360-24417-11	OC-SB-468-0.0/1.0-XXX	09/24/2009 04:22	1	B10531.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-14	OC-SB-471-0.0/1.0-XXX	09/24/2009 04:53	1	B10532.D	Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 05:25	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 05:57	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 06:28	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 07:00	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 07:31	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 08:02	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 08:34	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 09:05	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 09:36	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 10:07	1		Rtx-5ms SIL with guard column 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Inst. J Start Date: 09/10/2009 12:50

Analysis Batch Number: 48803 End Date: 09/10/2009 21:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-48803/1		09/10/2009 12:50	1	J02880.D	Rtx-5ms SIL with guard column 0.25(um)
CCV 360-48803/2 CCVIS		09/10/2009 13:20	1		Rtx-5ms SIL with guard column 0.25(um)
DFTPP 360-48803/13		09/10/2009 16:26	1	J02882.D	Rtx-5ms SIL with guard column 0.25(um)
STD5 360-48803/3 ICIS		09/10/2009 16:55	1	J02883.D	Rtx-5ms SIL with guard column 0.25(um)
STD01 360-48803/4 IC		09/10/2009 17:25	1	J02884.D	Rtx-5ms SIL with guard column 0.25(um)
STD025 360-48803/5 IC		09/10/2009 17:55	1	J02885.D	Rtx-5ms SIL with guard column 0.25(um)
STD050 360-48803/6 IC		09/10/2009 18:25	1	J02886.D	Rtx-5ms SIL with guard column 0.25(um)
STD1 360-48803/7 IC		09/10/2009 18:55	1	J02887.D	Rtx-5ms SIL with guard column 0.25(um)
STD25 360-48803/8 IC		09/10/2009 19:25	1	J02888.D	Rtx-5ms SIL with guard column 0.25(um)
STD8 360-48803/9 IC		09/10/2009 19:55	1	J02889.D	Rtx-5ms SIL with guard column 0.25(um)
STD10 360-48803/10 IC		09/10/2009 20:25	1	J02890.D	Rtx-5ms SIL with guard column 0.25(um)
STD20 360-48803/11 IC		09/10/2009 20:55	1	J02891.D	Rtx-5ms SIL with guard column 0.25(um)
ICV 360-48803/12		09/10/2009 21:25	1		Rtx-5ms SIL with guard column 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Inst. J Start Date: 09/12/2009 10:45

Analysis Batch Number: 48876 End Date: 09/12/2009 22:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-48876/1		09/12/2009 10:45	1	J02915.D	Rtx-5ms SIL with guard column 0.25(um)
CCV 360-48876/2 CCVIS		09/12/2009 11:16	1	J02916.D	Rtx-5ms SIL with guard column 0.25(um)
MB 360-48800/1-A		09/12/2009 11:46	1	J02917.D	Rtx-5ms SIL with guard column 0.25(um)
LCS 360-48800/2-A		09/12/2009 12:17	1	J02918.D	Rtx-5ms SIL with guard column 0.25(um)
LCSD 360-48800/3-A		09/12/2009 12:47	1	J02919.D	Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 13:17	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 13:47	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 14:17	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 14:47	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 15:17	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 15:48	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 16:18	1		Rtx-5ms SIL with guard column 0.25(um)
360-24417-4	OC-SB-464-0.0/1.0-XXX	09/12/2009 16:48	1	J02927.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-6	OC-SB-464-5.0/7.0-XXX	09/12/2009 17:19	1	J02928.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-7	OC-SB-465-0.0/1.0-XXX	09/12/2009 17:49	1	J02929.D	Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 18:20	1		Rtx-5ms SIL with guard column 0.25(um)
360-24417-9	OC-SB-465-8.0/10-DUP	09/12/2009 18:50	1	J02931.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-11	OC-SB-468-0.0/1.0-XXX	09/12/2009 19:20	1	J02932.D	Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 19:51	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 20:21	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 20:51	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 21:21	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 21:52	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 22:22	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/12/2009 22:52	1		Rtx-5ms SIL with guard column 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Inst. J Start Date: 09/21/2009 14:57

Analysis Batch Number: 49259 End Date: 09/21/2009 20:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49259/1		09/21/2009 14:57	1	J03039.D	Rtx-5ms SIL with guard column 0.25(um)
STD5 360-49259/2 ICIS		09/21/2009 15:23	1	J03040.D	Rtx-5ms SIL with guard column 0.25(um)
STD01 360-49259/3 IC		09/21/2009 15:50	1	J03041.D	Rtx-5ms SIL with guard column 0.25(um)
STD025 360-49259/4 IC		09/21/2009 16:17	1	J03042.D	Rtx-5ms SIL with guard column 0.25(um)
STD05 360-49259/5 IC		09/21/2009 16:44	1	J03043.D	Rtx-5ms SIL with guard column 0.25(um)
STD1 360-49259/6 IC		09/21/2009 17:11	1	J03044.D	Rtx-5ms SIL with guard column 0.25(um)
STD25 360-49259/7 IC		09/21/2009 17:39	1	J03045.D	Rtx-5ms SIL with guard column 0.25(um)
STD8 360-49259/8 IC		09/21/2009 18:06	1	J03046.D	Rtx-5ms SIL with guard column 0.25(um)
STD10 360-49259/9 IC		09/21/2009 18:33	1	J03047.D	Rtx-5ms SIL with guard column 0.25(um)
STD20 360-49259/10 IC		09/21/2009 18:59	1	J03048.D	Rtx-5ms SIL with guard column 0.25(um)
ICV 360-49259/11		09/21/2009 19:26	1		Rtx-5ms SIL with guard column 0.25(um)
MB 360-48924/1-A		09/21/2009 19:53	1	J03050.D	Rtx-5ms SIL with guard column 0.25(um)
LCS 360-48924/2-A		09/21/2009 20:20	1	J03051.D	Rtx-5ms SIL with guard column 0.25(um)
LCSD 360-48924/3-A		09/21/2009 20:47	1	J03052.D	Rtx-5ms SIL with guard column 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Inst. J Start Date: 09/21/2009 21:14

Analysis Batch Number: 49260 End Date: 09/22/2009 06:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49260/15		09/21/2009 21:14	1	J03053.D	Rtx-5ms SIL with guard column 0.25(um)
CCV 360-49260/16 CCVIS		09/21/2009 21:41	1	J03054.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-10	OC-SB-465-8.0/10-XXX	09/21/2009 22:09	1	J03055.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-10 MS	OC-SB-465-8.0/10-XXX MS	09/21/2009 22:36	1	J03056.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-10 MSD	OC-SB-465-8.0/10-XXX MSD	09/21/2009 23:03	1	J03057.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-7	OC-SB-465-0.0/1.0-XXX	09/21/2009 23:30	1	J03058.D	Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/21/2009 23:57	1		Rtx-5ms SIL with guard column 0.25(um)
360-24417-9	OC-SB-465-8.0/10-DUP	09/22/2009 00:24	1	J03060.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-13	OC-SB-468-8.0/10-XXX	09/22/2009 00:51	1	J03061.D	Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 01:18	10		Rtx-5ms SIL with guard column 0.25(um)
360-24417-15	OC-SB-471-3.0/5.0-XXX	09/22/2009 01:45	1	J03063.D	Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 02:12	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 02:39	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 03:05	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 03:32	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 03:59	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 04:26	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 05:20	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 05:47	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 06:13	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/22/2009 06:40	1		Rtx-5ms SIL with guard column 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Inst. J Start Date: 09/23/2009 14:44

Analysis Batch Number: 49396 End Date: 09/23/2009 21:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49396/1		09/23/2009 14:44	1	J03090.D	Rtx-5ms SIL with guard column 0.25(um)
STD5 360-49396/2 ICIS		09/23/2009 16:23	1	J03091.D	Rtx-5ms SIL with guard column 0.25(um)
STD01 360-49396/3 IC		09/23/2009 16:56	1	J03092.D	Rtx-5ms SIL with guard column 0.25(um)
STD025 360-49396/4 IC		09/23/2009 17:29	1	J03093.D	Rtx-5ms SIL with guard column 0.25(um)
STD05 360-49396/5 IC		09/23/2009 18:02	1	J03094.D	Rtx-5ms SIL with guard column 0.25(um)
STD1 360-49396/6 IC		09/23/2009 18:35	1	J03095.D	Rtx-5ms SIL with guard column 0.25(um)
STD25 360-49396/7 IC		09/23/2009 19:08	1	J03096.D	Rtx-5ms SIL with guard column 0.25(um)
STD8 360-49396/8 IC		09/23/2009 19:41	1	J03097.D	Rtx-5ms SIL with guard column 0.25(um)
STD10 360-49396/9 IC		09/23/2009 20:14	1	J03098.D	Rtx-5ms SIL with guard column 0.25(um)
STD20 360-49396/10 IC		09/23/2009 20:48	1	J03099.D	Rtx-5ms SIL with guard column 0.25(um)
ICV 360-49396/11		09/23/2009 21:21	1		Rtx-5ms SIL with guard column 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Inst. J Start Date: 09/23/2009 21:55

Analysis Batch Number: 49397 End Date: 09/24/2009 11:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 360-49397/12		09/23/2009 21:55	1	J03100.D	Rtx-5ms SIL with guard column 0.25(um)
CCV 360-49397/13 CCVIS		09/23/2009 22:29	1	J03101.D	Rtx-5ms SIL with guard column 0.25(um)
MB 360-48958/1-A		09/23/2009 23:03	1	J03102.D	Rtx-5ms SIL with guard column 0.25(um)
LCS 360-48958/2-A		09/23/2009 23:37	1	J03103.D	Rtx-5ms SIL with guard column 0.25(um)
LCSD 360-48958/3-A		09/24/2009 00:11	1	J03104.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-10	OC-SB-465-8.0/10-XXX	09/24/2009 00:45	1	J03105.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-10 MS	OC-SB-465-8.0/10-XXX MS	09/24/2009 01:19	1	J03106.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-10 MSD	OC-SB-465-8.0/10-XXX MSD	09/24/2009 01:53	1	J03107.D	Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 02:27	1		Rtx-5ms SIL with guard column 0.25(um)
360-24417-13	OC-SB-468-8.0/10-XXX	09/24/2009 03:01	1	J03109.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-14	OC-SB-471-0.0/1.0-XXX	09/24/2009 03:34	1	J03110.D	Rtx-5ms SIL with guard column 0.25(um)
360-24417-15	OC-SB-471-3.0/5.0-XXX	09/24/2009 04:08	1	J03111.D	Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 04:42	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 05:16	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 05:49	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 06:23	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 06:56	10		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 07:28	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 08:01	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 08:34	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 09:07	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 09:40	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 10:13	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 10:46	1		Rtx-5ms SIL with guard column 0.25(um)
ZZZZZ		09/24/2009 11:19	10		Rtx-5ms SIL with guard column 0.25(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: NOEQUIP Start Date: 09/29/2009 00:48

Analysis Batch Number: 49639 End Date: 09/29/2009 02:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
360-24417-11 DL3	OC-SB-468-0.0/1.0-XXX DL3	09/29/2009 00:48	1		
ZZZZZ		09/29/2009 01:44	10		
ZZZZZ		09/29/2009 02:12	10		
ZZZZZ		09/29/2009 02:40	10		

Organic Prep Worksheet

Batch Number: 360-48800
Method: 3550B
Analyst: Bilodeau, Brian R

Date Open: Sep 10 2009 12:11PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00010	OP-abnms_00063
MB~360-48800/1		3550B, 8270C LL		100.00 g	1.0 mL	50 uL	
LCS~360-48800/2		3550B, 8270C LL		100.00 g	1.0 mL	50 uL	100 uL
LCSD~360-48800/3		3550B, 8270C LL		100.00 g	1.0 mL	50 uL	100 uL
360-24343-A-10	OC-SB-451-2.5/4.5-XXX		T	100.39 g	1.0 mL	50 uL	
360-24343-A-10~MS	OC-SB-451-2.5/4.5-XMS		T	100.06 g	1.0 mL	50 uL	100 uL
360-24343-A-10~MSD	OC-SB-451-2.5/4.5-MSD		T	100.14 g	1.0 mL	50 uL	100 uL
360-24365-A-3	OC-SB-442-8.0/10-DUP		T	100.52 g	1.0 mL	50 uL	
360-24365-A-4	OC-SB-442-8.0/10-XXX		T	100.09 g	1.0 mL	50 uL	
360-24365-A-4~MS	OC-SB-442-8.0/10-XMS		T	100.68 g	1.0 mL	50 uL	100 uL
360-24365-A-4~MSD	OC-SB-442-8.0/10-MSD		T	100.05 g	1.0 mL	50 uL	100 uL
360-24365-A-8	OC-SB-452-0.0/1.0-XXX		T	100.09 g	1.0 mL	50 uL	
360-24365-A-9	OC-SB-452-13/15-XXX		T	100.39 g	1.0 mL	50 uL	
360-24365-A-10	OC-SB-452-5.0/7.0-XXX		T	100.34 g	1.0 mL	50 uL	
360-24365-A-13	OC-SB-458-0.0/1.0-XXX		T	100.40 g	1.0 mL	50 uL	
360-24365-A-14	OC-SB-458-22/24-XXX		T	100.44 g	1.0 mL	50 uL	
360-24365-A-15	OC-SB-458-5.0/7.0-XXX		T	100.33 g	1.0 mL	50 uL	
360-24417-A-4	OC-SB-464-0.0/1.0-XXX	3550B, 8270C LL	T	100.65 g	1.0 mL	50 uL	
360-24417-A-5	OC-SB-464-26/28-XXX		T	100.18 g	1.0 mL	50 uL	
360-24417-A-6	OC-SB-464-5.0/7.0-XXX	3550B, 8270C LL	T	100.05 g	1.0 mL	50 uL	
360-24417-A-7	OC-SB-465-0.0/1.0-XXX	3550B, 8270C LL	T	100.07 g	1.0 mL	50 uL	
360-24417-A-8	OC-SB-465-16/18-XXX		T	100.21 g	1.0 mL	50 uL	
360-24417-A-9	OC-SB-465-8.0/10-DUP	3550B, 8270C LL	T	100.33 g	1.0 mL	50 uL	
360-24417-A-11	OC-SB-468-0.0/1.0-XXX	3550B, 8270C LL	T	100.22 g	1.0 mL	50 uL	

Organic Prep Worksheet

Batch Number: 360-48854
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 11 2009 11:42AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00010	OlinLCSextras_00001	OP-abnms_00063
MB~360-48854/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-48854/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-48854/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24365-A-4	OC-SB-442-8.0/10-XXX		T	30.19 g	1.0 mL	50 uL		
360-24365-A-4~MS	OC-SB-442-8.0/10-XMS		T	30.39 g	1.0 mL	50 uL	.100 mL	100 uL
360-24365-A-4~MSD	OC-SB-442-8.0/10-MSD		T	30.29 g	1.0 mL	50 uL	.100 mL	100 uL
360-24365-A-9	OC-SB-452-13/15-XXX		T	30.03 g	1.0 mL	50 uL		
360-24365-A-10	OC-SB-452-5.0/7.0-XXX		T	30.46 g	1.0 mL	50 uL		
360-24365-A-13	OC-SB-458-0.0/1.0-XXX		T	30.33 g	1.0 mL	50 uL		
360-24365-A-14	OC-SB-458-22/24-XXX		T	30.42 g	1.0 mL	50 uL		
360-24365-A-15	OC-SB-458-5.0/7.0-XXX		T	30.17 g	1.0 mL	50 uL		
360-24365-A-16	OC-SB-460-0.0/1.0-XXX		T	30.25 g	1.0 mL	50 uL		
360-24365-A-17	OC-SB-460-30/32-XXX		T	30.15 g	1.0 mL	50 uL		
360-24365-A-18	OC-SB-460-5.5/7.5-XXX		T	30.36 g	1.0 mL	50 uL		
360-24365-A-20	OC-PE-SS1039-SVOC		T	30.29 g	1.0 mL	50 uL		
360-24417-A-1	OC-SB-463-0.0/1.0-XXX	3546, 8270C LL	T	30.37 g	1.0 mL	50 uL		
360-24417-A-2	OC-SB-463-28/30-XXX		T	30.61 g	1.0 mL	50 uL		
360-24417-A-3	OC-SB-463-6.0/8.0-XXX	3546, 8270C LL	T	30.67 g	1.0 mL	50 uL		
360-24417-A-4	OC-SB-464-0.0/1.0-XXX	3546, 8270C LL	T	30.48 g	1.0 mL	50 uL		
360-24417-A-5	OC-SB-464-26/28-XXX		T	30.03 g	1.0 mL	50 uL		
360-24417-A-6	OC-SB-464-5.0/7.0-XXX	3546, 8270C LL	T	30.53 g	1.0 mL	50 uL		
360-24417-A-11	OC-SB-468-0.0/1.0-XXX	3546, 8270C LL	T	30.14 g	1.0 mL	50 uL		
360-24417-A-12	OC-SB-468-31/33-XXX		T	30.28 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48854
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 11 2009 11:42AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~360-48854/1		3546, 8270C LL		
LCS~360-48854/2		3546, 8270C LL		
LCSD~360-48854/3		3546, 8270C LL		
360-24365-A-4	OC-SB-442-8.0/10-XXX		T	
360-24365-A-4~MS	OC-SB-442-8.0/10-XMS		T	
360-24365-A-4~MSD	OC-SB-442-8.0/10-MSD		T	
360-24365-A-9	OC-SB-452-13/15-XXX		T	
360-24365-A-10	OC-SB-452-5.0/7.0-XXX		T	
360-24365-A-13	OC-SB-458-0.0/1.0-XXX		T	
360-24365-A-14	OC-SB-458-22/24-XXX		T	
360-24365-A-15	OC-SB-458-5.0/7.0-XXX		T	
360-24365-A-16	OC-SB-460-0.0/1.0-XXX		T	
360-24365-A-17	OC-SB-460-30/32-XXX		T	
360-24365-A-18	OC-SB-460-5.5/7.5-XXX		T	
360-24365-A-20	OC-PE-SS1039-SVOC		T	PE sample
360-24417-A-1	OC-SB-463-0.0/1.0-XXX	3546, 8270C LL	T	
360-24417-A-2	OC-SB-463-28/30-XXX		T	
360-24417-A-3	OC-SB-463-6.0/8.0-XXX	3546, 8270C LL	T	
360-24417-A-4	OC-SB-464-0.0/1.0-XXX	3546, 8270C LL	T	
360-24417-A-5	OC-SB-464-26/28-XXX		T	
360-24417-A-6	OC-SB-464-5.0/7.0-XXX	3546, 8270C LL	T	
360-24417-A-11	OC-SB-468-0.0/1.0-XXX	3546, 8270C LL	T	
360-24417-A-12	OC-SB-468-31/33-XXX		T	

Organic Prep Worksheet

Batch Number: 360-48924
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 14 2009 1:00PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00010	OlinLCSextras_00001	OP-abnms_00063
MB~360-48924/1		3546, 8270C LL		30.00 g	1.0 mL	50 uL		
LCS~360-48924/2		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
LCSD~360-48924/3		3546, 8270C LL		30.00 g	1.0 mL	50 uL	.100 mL	100 uL
360-24417-A-10	OC-SB-465-8.0/10-XXX	3546, 8270C LL	T	30.01 g	1.0 mL	50 uL		
360-24417-A-10~MS	OC-SB-465-8.0/10-XMS	3546, 8270C LL	T	30.20 g	1.0 mL	50 uL	.100 mL	100 uL
360-24417-A-10~MSD	OC-SB-465-8.0/10-MSD	3546, 8270C LL	T	30.15 g	1.0 mL	50 uL	.100 mL	100 uL
360-24417-A-7	OC-SB-465-0.0/1.0-XXX	3546, 8270C LL	T	30.13 g	1.0 mL	50 uL		
360-24417-A-8	OC-SB-465-16/18-XXX		T	30.21 g	1.0 mL	50 uL		
360-24417-A-9	OC-SB-465-8.0/10-DUP	3546, 8270C LL	T	30.15 g	1.0 mL	50 uL		
360-24417-A-13	OC-SB-468-8.0/10-XXX	3546, 8270C LL	T	30.70 g	1.0 mL	50 uL		
360-24417-A-14	OC-SB-471-0.0/1.0-XXX	3546, 8270C LL	T	30.75 g	1.0 mL	50 uL		
360-24417-A-15	OC-SB-471-3.0/5.0-XXX	3546, 8270C LL	T	30.07 g	1.0 mL	50 uL		
360-24417-A-16	OC-SB-471-26/28-XXX		T	30.38 g	1.0 mL	50 uL		
360-24444-A-1	OC-SB-459-6.0/8.0-DUP		T	30.21 g	1.0 mL	50 uL		
360-24444-A-2	OC-SB-459-6.0/8.0-XXX		T	30.15 g	1.0 mL	50 uL		
360-24444-A-2~MS	OC-SB-459-6.0/8.0-XMS		T	30.42 g	1.0 mL	50 uL	.100 mL	100 uL
360-24444-A-2~MSD	OC-SB-459-6.0/8.0-MSD		T	30.28 g	1.0 mL	50 uL	.100 mL	100 uL
360-24444-A-3	OC-SB-462-0.0/1.0-XXX		T	30.39 g	1.0 mL	50 uL		
360-24444-A-4	OC-SB-462-31/33-XXX		T	30.04 g	1.0 mL	50 uL		
360-24444-A-5	OC-SB-462-4.0/6.0-XXX		T	30.04 g	1.0 mL	50 uL		
360-24444-A-7	OC-SB-467-30/32-XXX		T	30.23 g	1.0 mL	50 uL		
360-24444-A-8	OC-SB-467-6.0/8.0-DUP		T	30.43 g	1.0 mL	50 uL		
360-24444-A-9	OC-SB-467-6.0/8.0-XXX		T	30.42 g	1.0 mL	50 uL		

Organic Prep Worksheet

Batch Number: 360-48924
Method: 3546
Analyst: Bilodeau, Brian R

Date Open: Sep 14 2009 1:00PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~360-48924/1		3546, 8270C LL		
LCS~360-48924/2		3546, 8270C LL		
LCSD~360-48924/3		3546, 8270C LL		
360-24417-A-10	OC-SB-465-8.0/10-XXX	3546, 8270C LL	T	
360-24417-A-10~MS	OC-SB-465-8.0/10-XMS	3546, 8270C LL	T	possible double olin extra spike
360-24417-A-10~MSD	OC-SB-465-8.0/10-MSD	3546, 8270C LL	T	
360-24417-A-7	OC-SB-465-0.0/1.0-XXX	3546, 8270C LL	T	
360-24417-A-8	OC-SB-465-16/18-XXX		T	
360-24417-A-9	OC-SB-465-8.0/10-DUP	3546, 8270C LL	T	
360-24417-A-13	OC-SB-468-8.0/10-XXX	3546, 8270C LL	T	
360-24417-A-14	OC-SB-471-0.0/1.0-XXX	3546, 8270C LL	T	
360-24417-A-15	OC-SB-471-3.0/5.0-XXX	3546, 8270C LL	T	
360-24417-A-16	OC-SB-471-26/28-XXX		T	
360-24444-A-1	OC-SB-459-6.0/8.0-DUP		T	
360-24444-A-2	OC-SB-459-6.0/8.0-XXX		T	
360-24444-A-2~MS	OC-SB-459-6.0/8.0-XMS		T	
360-24444-A-2~MSD	OC-SB-459-6.0/8.0-MSD		T	
360-24444-A-3	OC-SB-462-0.0/1.0-XXX		T	
360-24444-A-4	OC-SB-462-31/33-XXX		T	
360-24444-A-5	OC-SB-462-4.0/6.0-XXX		T	
360-24444-A-7	OC-SB-467-30/32-XXX		T	
360-24444-A-8	OC-SB-467-6.0/8.0-DUP		T	
360-24444-A-9	OC-SB-467-6.0/8.0-XXX		T	

Organic Prep Worksheet

Batch Number: 360-48958
Method: 3550B
Analyst: Bilodeau, Brian R

Date Open: Sep 15 2009 12:06PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	ABN SURR_00010	OP-abnms_00063
MB~360-48958/1		3550B, 8270C LL		100.00 g	1.0 mL	50 uL	
LCS~360-48958/2		3550B, 8270C LL		100.00 g	1.0 mL	50 uL	100 uL
LCSD~360-48958/3		3550B, 8270C LL		100.00 g	1.0 mL	50 uL	100 uL
360-24417-A-10	OC-SB-465-8.0/10-XXX	3550B, 8270C LL	T	100.47 g	1.0 mL	50 uL	
360-24417-A-10~MS	OC-SB-465-8.0/10-XMS	3550B, 8270C LL	T	100.50 g	1.0 mL	50 uL	100 uL
360-24417-A-10~MSD	OC-SB-465-8.0/10-MSD	3550B, 8270C LL	T	100.15 g	1.0 mL	50 uL	100 uL
360-24417-A-12	OC-SB-468-31/33-XXX		T	100.65 g	1.0 mL	50 uL	
360-24417-A-13	OC-SB-468-8.0/10-XXX	3550B, 8270C LL	T	100.02 g	1.0 mL	50 uL	
360-24417-A-14	OC-SB-471-0.0/1.0-XXX	3550B, 8270C LL	T	100.21 g	1.0 mL	50 uL	
360-24417-A-15	OC-SB-471-3.0/5.0-XXX	3550B, 8270C LL	T	100.69 g	1.0 mL	50 uL	
360-24417-A-16	OC-SB-471-26/28-XXX		T	100.29 g	1.0 mL	50 uL	
360-24444-A-1	OC-SB-459-6.0/8.0-DUP		T	100.09 g	1.0 mL	50 uL	
360-24444-A-2	OC-SB-459-6.0/8.0-XXX		T	100.26 g	1.0 mL	50 uL	
360-24444-A-2~MS	OC-SB-459-6.0/8.0-XMS		T	100.54 g	1.0 mL	50 uL	100 uL
360-24444-A-2~MSD	OC-SB-459-6.0/8.0-MSD		T	100.40 g	1.0 mL	50 uL	100 uL
360-24444-A-12	OC-SB-459-0.0/1.0-XXX		T	100.16 g	1.0 mL	50 uL	
360-24444-A-13	OC-SB-459-26/28-XXX		T	100.41 g	1.0 mL	50 uL	
360-24454-A-7	OC-SB-472-0.0/1.0-XXX		T	100.44 g	1.0 mL	50 uL	
360-24454-A-8	OC-SB-472-30/32-XXX		T	100.67 g	1.0 mL	50 uL	
360-24454-A-9	OC-SB-472-8.0/10-XXX		T	100.72 g	1.0 mL	50 uL	
360-24499-A-1	OC-SB-466-6.0/8.0-XXX		T	100.45 g	1.0 mL	50 uL	
360-24499-A-7	OC-SB-466-30/32-XXX		T	100.26 g	1.0 mL	50 uL	
360-24499-A-17	OC-SB-434-0.0/1.0-XXX		T	100.23 g	2.0 mL	50 uL	

Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
KR	9/12/09	24365-1→8	8270-LL	100 µL	1000 µL	10X	screened at 10X
TP	9/14/09	24365-7	EPH	100 mL	1000	10X	
↓	↓	7	↓	100 mL	1000	100X	taken from 10X (1000X)
MZ	9/14/09	24315-4,9,10	8270LL	100 µL	1000µL	10X	screened @ 10X
↓	↓	-13→18 -20	↓	↓	↓	↓	↓
		24417-1→6					
		24417-11-12					
MZ	9/15/09	24417-7→10	8270LL	100 µL	1000µL	10X	screened @ 10X
↓	↓	24417-13→16	↓	↓	↓	↓	↓
		24444-1→5					
		24444-7→9					
MZ	9/15/09	24525-2,8	8270LL	100 µL	1000µL	10X	screened @ 10X
BS	9/15/09	24244-2	8270LL	100mL	1000mL	100X	10X from 100X dilution ⊕
BS	9/14/09	24251-20	8270LL	200mL	1000mL	5X	
↓	↓	24251-1	↓	↓	↓	↓	
BS	~~9/14/09~~ (9/15/09)	24244-2	8270LL	100mL	1000mL	100X	10X dilution from 10X ⊕
		↓ -2	↓	500mL	1000mL	200X	2x of the 100X
		24244-3	8270 LL	100mL	↓	100X	10x of the 10X ⊖ BS 9/14/09
		↓ -3	↓	500mL		200X	2x of the 100X
B	9/15/09 - Reprepped 9/8/09	24233-7	8270-LL	500mL	1000mL	2x	
BS	9/15/09	24251-5	8270 LL	100mL	200mL	2x	
↓	↓	-5	↓	200mL	1000mL	5x	
		-13	8270-LL	100mL	200mL	2x	
		-13	↓	200mL	1000mL	5x	
↓	↓	-16	↓	200mL	1000mL	5x	

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Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
MZ	9/17/09	24444-9MS&MSD	8270LL	100µL	1000µL	10X	all screened @10X
		24444-12,-13					
		24454-2→9					
		24499-1→7					
		24499-14					
MZ	9/17/09	24582-8	8082	100µL	1000µL	10X	
		24582-9		200µL	1000µL	5X	
~~24563~~ TP	9/21/09	24563-1	EPH	100 ul	1000 ul	10X	
MZ	9/23/09	24499-15→	8270LL	100µL	1000µL	10X	all screened @10X
		-22					
		24563-1→7					
		24563-9,11,12					
TP	9/21/09	24563-4	EPH	200 ul	1000 ul	5X	
		4		~~1~~200 ul	1000 ul	50X	taken from 5X
		5		200 ul		5X	
		5		~~1~~100 ul		50X	taken from 5X
		6		100 ul		10X	
		2		200 ul		5X	
		2		50 ~~100~~ ul		20X	
		2		10 ul TP		2000X	taken from 20X
		5 MS		200 ul		5X	
		5 MS		100 ul		50X	taken from 5X
		5 MSD		200 ul		5X	
		5 MSD		100 ul		50X	taken from 5X
MZ	9/23/09	24563-13→16	8270LL	100µL	1000µL	10X	all screened @10X

Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
BS	9/18/09	24327-9	8270_LL	20 mL	1000 mL	50X	
↓	↓	24315-5	↓	20 mL	1000 mL	50X	
↓	↓	24327-9	8270_LL	500 mL	1000 mL	100X	2x ~~8/8~~ 100X
BS	9/23/09	24315-20	↓	200 mL	1000 mL	5X	
↓	↓	↓ -20	↓	100 mL	1000 mL	10X	
BS	9/24/09	24444-1	8270_LL	~~100~~ 10 mL	1000 mL	1000X	> 100X of the 10X
↓	↓	↓ -2	↓	10 mL	1000 mL	1000X	
MZ	9/24/09	24582-21 22	8270LL	100 µL	1000 µL	10X	all screened @ 10X
↓	↓	24434-1 → 16	↓	↓	↓	↓	↓
BS	9/25/09	24444-1	8270-LL	500 mL	1000 mL	20X	2x ~~8/8~~ 10X
↓	↓	24444-12	↓	500 mL	1000 mL	2000X	2x ~~8/8~~ 1000X
KR	9/23/09	24444-2	8270-LL	100 µL	1000 µL	10X	
↓	(entr. 9/27/09 KR)	-1	↓	100 µL	1000 µL	10X	
↓	↓	↓ -2MS	↓	100 µL	1000 µL	10X	
↓	↓	-2MSD	↓	100 µL	1000 µL	10X	
↓	9/25/09	24499-20	8270-LL	100 µL	1000 µL	10X	
↓	(entr. 9/27/9 KR)	24563-2	↓	100 µL	1000 µL	10X	
↓	↓	24563-6	↓	100 µL	1000 µL	10X	
↓	9/23/09	—	—	—	—	—	KR 9/27/09
↓	(entr. 9/27/9 KR)	24499-17	8270-LL	100 µL	1000 µL	10X	
BS	9/25/09	24563-2	8270-LL	500 mL	1000 mL	20X	2x ~~8/8~~ 10X
↓	↓		↓	400 mL	1000 mL	50X	2.5x ~~8/8~~ 20X
↓	↓		↓	500 mL	1000 mL	100X	2x ~~8/8~~ 50X
↓	↓	24563-23	8270 LL	200 mL	1000 mL	5X	

Instrument Dilution Log Book

Analysts Initials	Date	Lab sample ID	Method/Analyte	Initial Sample Volume	Final Volume	Final Dilution	Comments
B	9-28-09	24499-17	8270C-LL	500 mL	1000 mL	20X	2x of 10X
		24563-1		5 mL	100 mL	20X	2x of 10X
		24563-4					
		-5					

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8315

Carbonyl Compounds (HPLC) by Method 8315

FORM III
HPLC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: 1I04I4.d

Lab ID: LCS 640-60432/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Formaldehyde	750	712	95	71-122	
Acetaldehyde	750	628	84	61-131	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM III
HPLC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: 1I04I5.d

Lab ID: LCSD 640-60432/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Formaldehyde	750	733	98	3	30	71-122	
Acetaldehyde	750	640	85	2	30	61-131	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM III
HPLC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: 1I04I17.d

Lab ID: 360-24417-10 MS Client ID: OC-SB-465-8.0/10-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Formaldehyde	831	270	987	87	31-131	
Acetaldehyde	831	ND	701	84	30-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM III
HPLC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: 1I04I18.d

Lab ID: 360-24417-10 MSD Client ID: OC-SB-465-8.0/10-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Formaldehyde	843	1060	94	7	30	31-131	
Acetaldehyde	843	745	88	6	30	30-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8315A

FORM IV
HPLC METHOD BLANK SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: 1I04I3.d Lab Sample ID: MB 640-60432/1-A

Matrix: Solid Date Extracted: 09/04/2009 07:35

Instrument ID: LCM Date Analyzed: 09/04/2009 14:11

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 640-60432/2-A	1I04I4.d	09/04/2009 14:23
	LCSD 640-60432/3-A	1I04I5.d	09/04/2009 14:34
OC-SB-464-0.0/1.0-XXX	360-24417-4	1I04I9.d	09/04/2009 15:22
OC-SB-464-26/28-XXX	360-24417-5	1I04I10.d	09/04/2009 15:33
OC-SB-464-5.0/7.0-XXX	360-24417-6	1I04I11.d	09/04/2009 15:45
OC-SB-465-0.0/1.0-XXX	360-24417-7	1I04I12.d	09/04/2009 15:57
OC-SB-465-16/18-XXX	360-24417-8	1I04I13.d	09/04/2009 16:09
OC-SB-465-8.0/10-DUP	360-24417-9	1I04I14.d	09/04/2009 16:21
OC-SB-465-8.0/10-XXX	360-24417-10	1I04I15.d	09/04/2009 16:32
OC-SB-465-8.0/10-XXX MS	360-24417-10 MS	1I04I17.d	09/04/2009 16:56
OC-SB-465-8.0/10-XXX MSD	360-24417-10 MSD	1I04I18.d	09/04/2009 17:08
OC-SB-468-0.0/1.0-XXX	360-24417-11	1I04I19.d	09/04/2009 17:20
OC-SB-468-31/33-XXX	360-24417-12	1I04I20.d	09/04/2009 17:32
OC-SB-468-8.0/10-XXX	360-24417-13	1I04I21.d	09/04/2009 17:43
OC-SB-471-0.0/1.0-XXX	360-24417-14	1I04I22.d	09/04/2009 17:55
OC-SB-471-3.0/5.0-XXX	360-24417-15	1I04I23.d	09/04/2009 18:07
OC-SB-471-26/28-XXX	360-24417-16	1I04I24.d	09/04/2009 18:19

FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-0.0/1.0-XXX Lab Sample ID: 360-24417-4

Matrix: Solid Lab File ID: 1I04I9.d

Analysis Method: 8315A Date Collected: 09/01/2009 15:50

Extract. Method: 8315_S_Prep Date Extracted: 09/04/2009 07:35

Sample wt/vol: 20.1(g) Date Analyzed: 09/04/2009 15:22

Con. Extract Vol.: 4.0(mL) Dilution Factor: 1

Injection Volume: 10(uL) Level: (low/med) Low

% Moisture: 5.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 60685 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	270		110	82
75-07-0	Acetaldehyde	ND		210	31

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I9.d
Lab Smp Id: 360-24417-F-4-A Client Smp ID: OC-SB-464-0.0/1.0-X
Inj Date : 04-SEP-2009 15:22
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-4-A
Misc Info : 360-24417-F-4-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.100	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

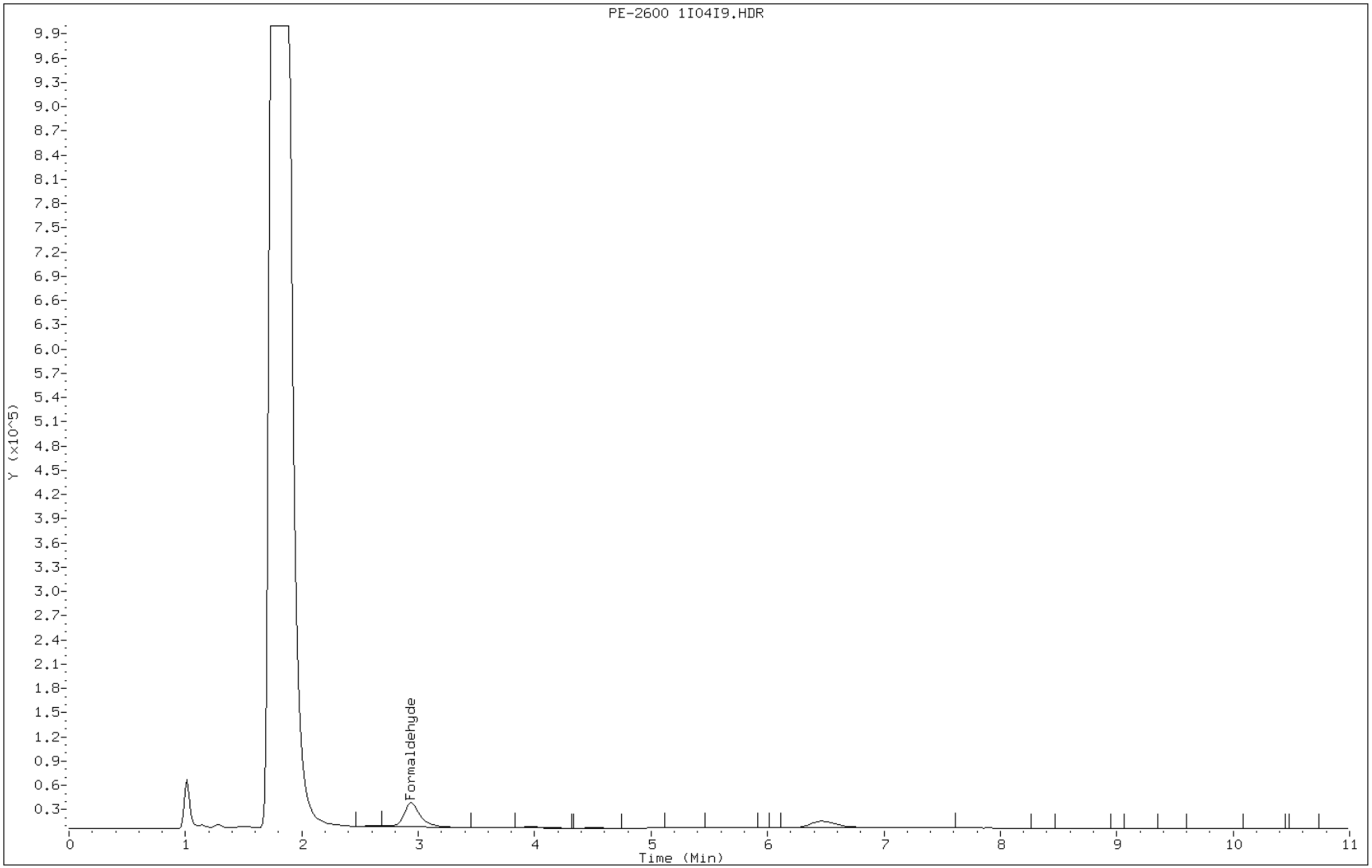
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	29751	1.28275	255	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I04I9.d

Date: 04-SEP-2009 15:22

Client ID: OC-SB-464-0.0/1.0-X Instrument: TLCMUV1.i

Sample Info: 360-24417-F-4-A Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID: OC-SB-464-26/28-XXX
Lab Sample ID: 360-24417-5
Matrix: Solid
Lab File ID: 1I04I10.d
Analysis Method: 8315A
Date Collected: 09/01/2009 16:50
Extract. Method: 8315_S_Prep
Date Extracted: 09/04/2009 07:35
Sample wt/vol: 20.1(g)
Date Analyzed: 09/04/2009 15:33
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 10(uL)
Level: (low/med) Low
% Moisture: 7.5
GPC Cleanup:(Y/N) N
Analysis Batch No.: 60685
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	500		110	84
75-07-0	Acetaldehyde	ND		220	31

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I10.d
Lab Smp Id: 360-24417-F-5-A Client Smp ID: OC-SB-464-26/28-XXX
Inj Date : 04-SEP-2009 15:33
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-5-A
Misc Info : 360-24417-F-5-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.100	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

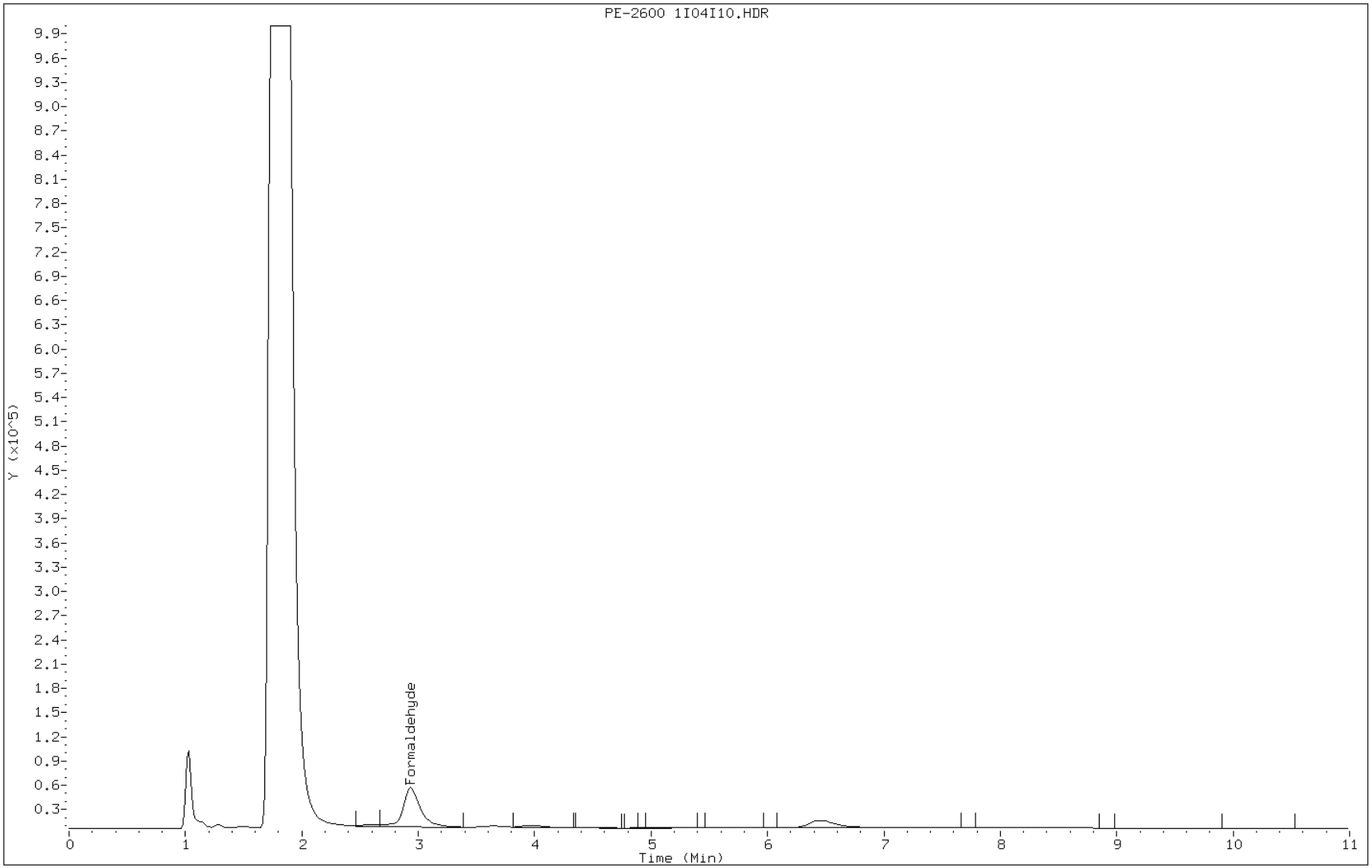
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	48553	2.32904	463	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I04I10.d

Date: 04-SEP-2009 15:33

Client ID: OC-SB-464-26/28-XXX Instrument: TLCMUV1.i

Sample Info: 360-24417-F-5-A Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-5.0/7.0-XXX Lab Sample ID: 360-24417-6

Matrix: Solid Lab File ID: 1I04I11.d

Analysis Method: 8315A Date Collected: 09/01/2009 16:50

Extract. Method: 8315_S_Prep Date Extracted: 09/04/2009 07:35

Sample wt/vol: 20.3(g) Date Analyzed: 09/04/2009 15:45

Con. Extract Vol.: 4.0(mL) Dilution Factor: 1

Injection Volume: 10(uL) Level: (low/med) Low

% Moisture: 12.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 60685 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	280		110	88
75-07-0	Acetaldehyde	ND		220	33

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I11.d
Lab Smp Id: 360-24417-F-6-A Client Smp ID: OC-SB-464-5.0/7.0-X
Inj Date : 04-SEP-2009 15:45
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-6-A
Misc Info : 360-24417-F-6-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.300	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

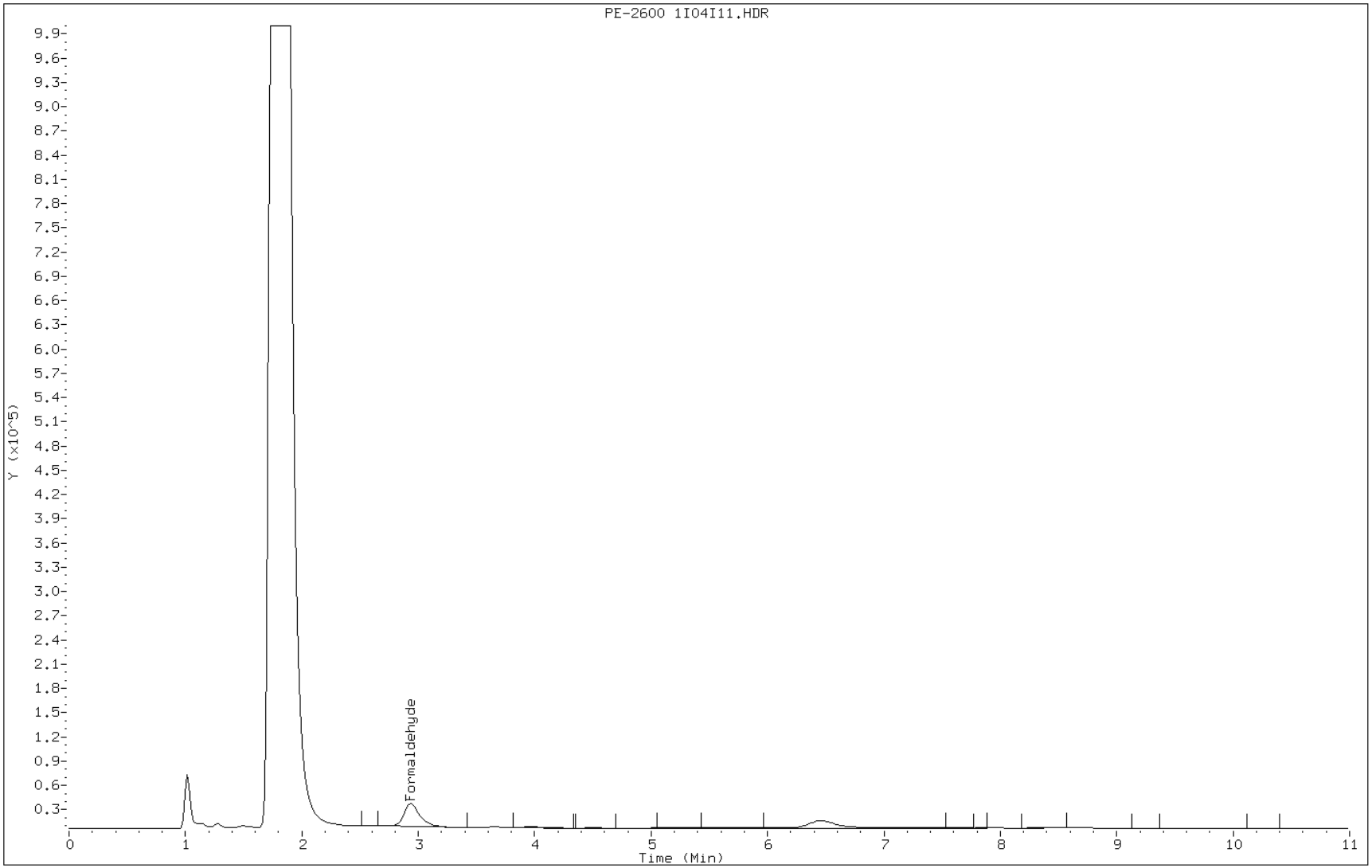
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	28769	1.22811	242	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I04I11.d

Date: 04-SEP-2009 15:45

Client ID: OC-SB-464-5.0/7.0-X Instrument: TLCMUV1.i

Sample Info: 360-24417-F-6-A Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-0.0/1.0-XXX Lab Sample ID: 360-24417-7

Matrix: Solid Lab File ID: 1I04I12.d

Analysis Method: 8315A Date Collected: 09/02/2009 07:35

Extract. Method: 8315_S_Prep Date Extracted: 09/04/2009 07:35

Sample wt/vol: 20.4(g) Date Analyzed: 09/04/2009 15:57

Con. Extract Vol.: 4.0(mL) Dilution Factor: 1

Injection Volume: 10(uL) Level: (low/med) Low

% Moisture: 5.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 60685 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	230		100	80
75-07-0	Acetaldehyde	ND		210	30

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I12.d
Lab Smp Id: 360-24417-F-7-A Client Smp ID: OC-SB-465-0.0/1.0-X
Inj Date : 04-SEP-2009 15:57
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-7-A
Misc Info : 360-24417-F-7-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.400	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

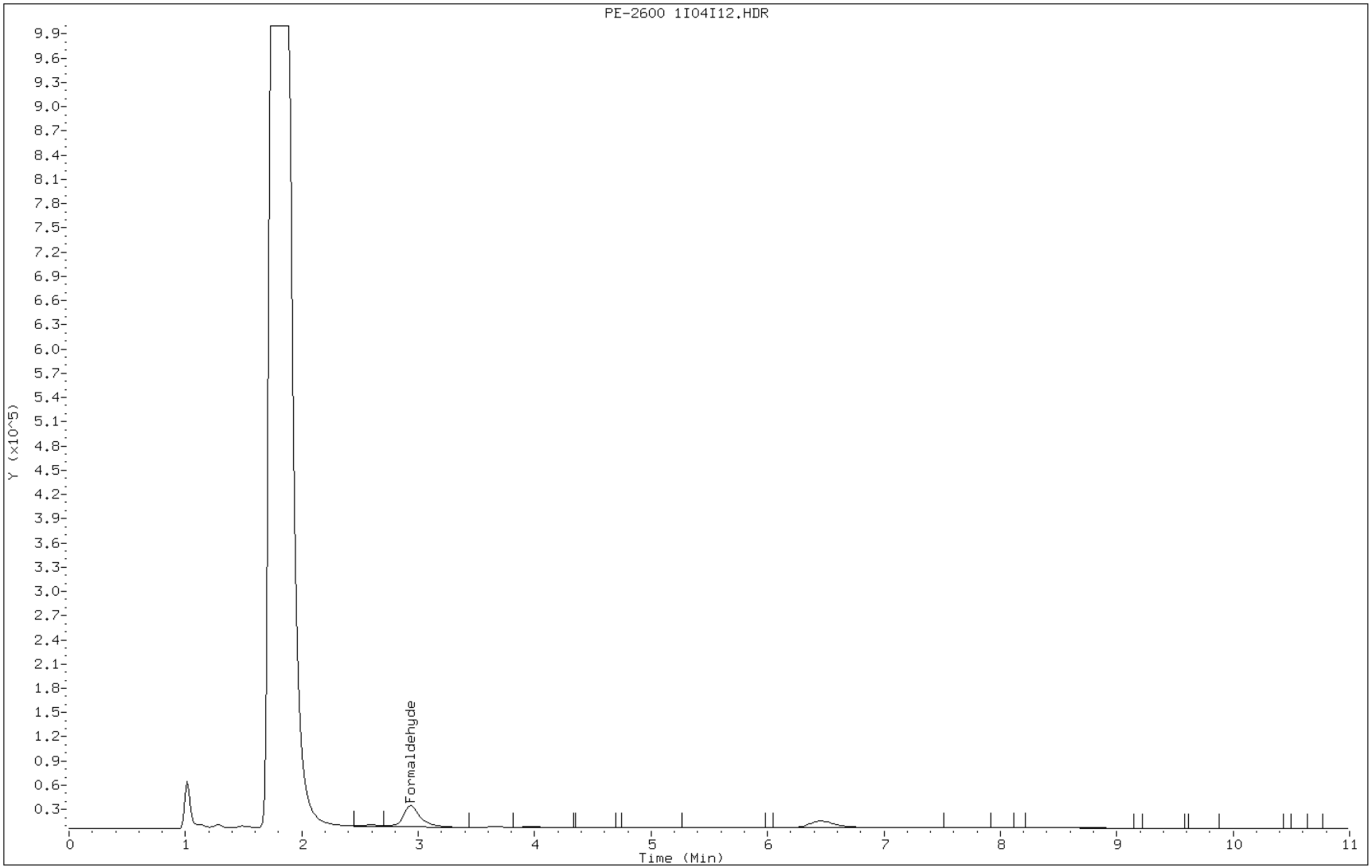
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	26580	1.10629	217	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I04I12.d

Date: 04-SEP-2009 15:57

Client ID: OC-SB-465-0.0/1.0-X Instrument: TLCMUV1.i

Sample Info: 360-24417-F-7-A Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-16/18-XXX | Lab Sample ID: 360-24417-8

Matrix: Solid | Lab File ID: 1I04I13.d

Analysis Method: 8315A | Date Collected: 09/02/2009 08:25

Extract. Method: 8315_S_Prep | Date Extracted: 09/04/2009 07:35

Sample wt/vol: 20.4(g) | Date Analyzed: 09/04/2009 16:09

Con. Extract Vol.: 4.0(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | Level: (low/med) Low

% Moisture: 9.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 60685 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	250		110	85
75-07-0	Acetaldehyde	ND		220	31

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I13.d
Lab Smp Id: 360-24417-F-8-A Client Smp ID: OC-SB-465-16/18-XXX
Inj Date : 04-SEP-2009 16:09
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-8-A
Misc Info : 360-24417-F-8-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.400	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

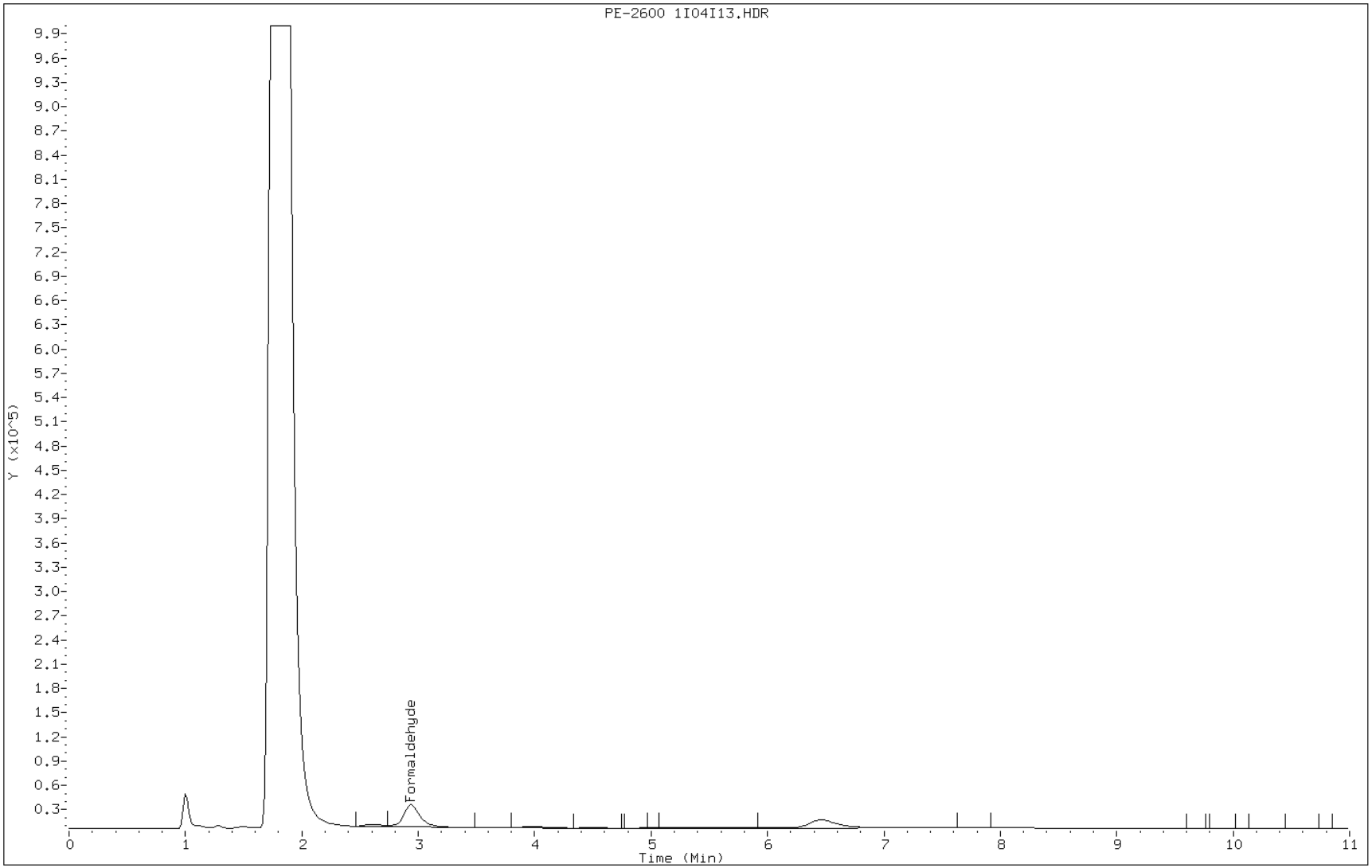
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	27198	1.14068	224	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I04I13.d

Date: 04-SEP-2009 16:09

Client ID: OC-SB-465-16/18-XXX Instrument: TLCMUV1.i

Sample Info: 360-24417-F-8-A Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-DUP Lab Sample ID: 360-24417-9

Matrix: Solid Lab File ID: 1I04I14.d

Analysis Method: 8315A Date Collected: 09/02/2009 07:45

Extract. Method: 8315_S_Prep Date Extracted: 09/04/2009 07:35

Sample wt/vol: 20.4(g) Date Analyzed: 09/04/2009 16:21

Con. Extract Vol.: 4.0(mL) Dilution Factor: 1

Injection Volume: 10(uL) Level: (low/med) Low

% Moisture: 11.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 60685 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	220		110	86
75-07-0	Acetaldehyde	ND		220	32

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I14.d
Lab Smp Id: 360-24417-F-9-A Client Smp ID: OC-SB-465-8.0/10-DU
Inj Date : 04-SEP-2009 16:21
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-9-A
Misc Info : 360-24417-F-9-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.400	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

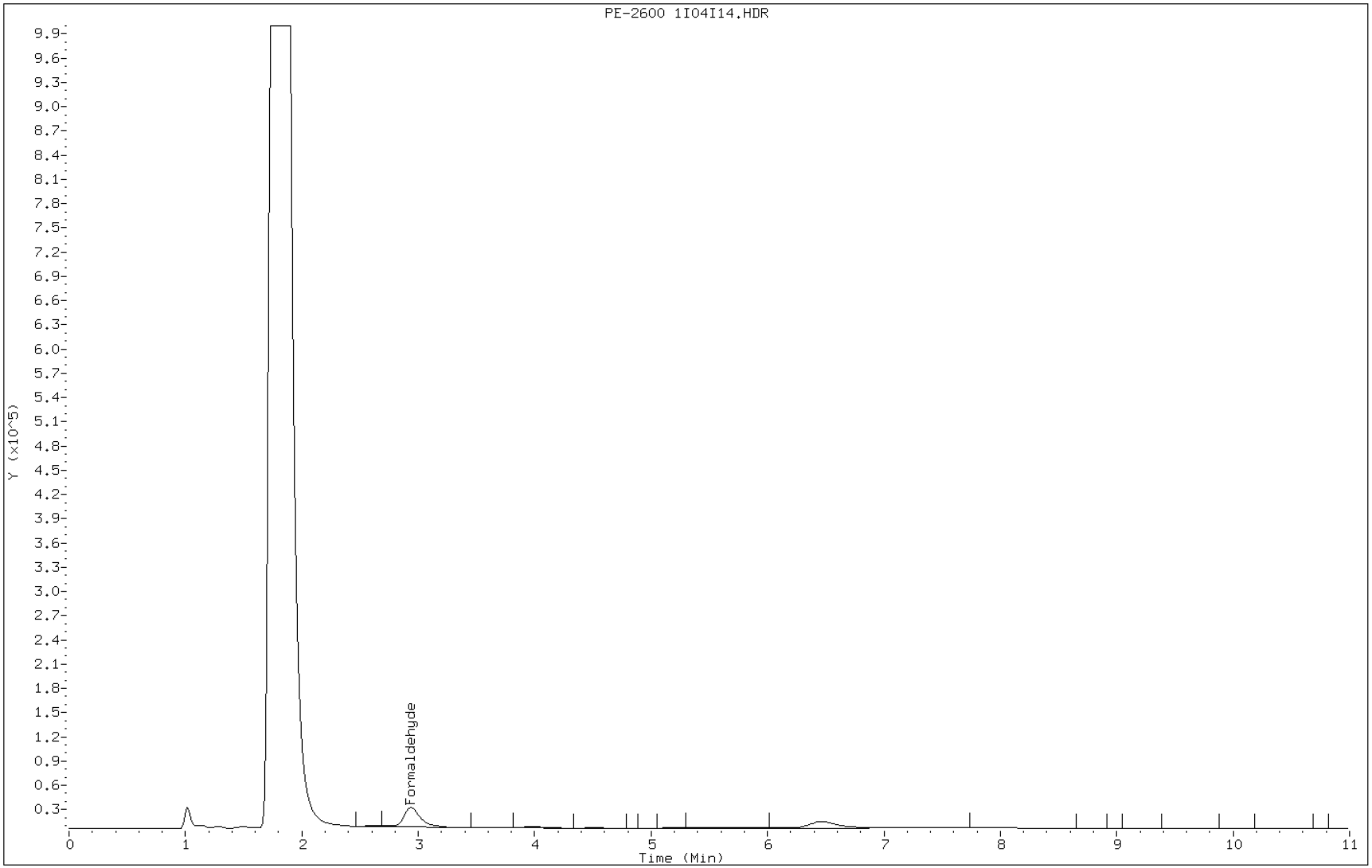
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	24498	0.99043	194	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I04I14.d

Date: 04-SEP-2009 16:21

Client ID: OC-SB-465-8.0/10-DU Instrument: TLCMUV1.i

Sample Info: 360-24417-F-9-A Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX Lab Sample ID: 360-24417-10

Matrix: Solid Lab File ID: 1I04I15.d

Analysis Method: 8315A Date Collected: 09/02/2009 07:45

Extract. Method: 8315_S_Prep Date Extracted: 09/04/2009 07:35

Sample wt/vol: 20.1(g) Date Analyzed: 09/04/2009 16:32

Con. Extract Vol.: 4.0(mL) Dilution Factor: 1

Injection Volume: 10(uL) Level: (low/med) Low

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

Analysis Batch No.: 60685 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	270		110	88
75-07-0	Acetaldehyde	ND		220	33

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I15.d
Lab Smp Id: 360-24417-F-10-A Client Smp ID: OC-SB-465-8.0/10-XX
Inj Date : 04-SEP-2009 16:32
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-10-A
Misc Info : 360-24417-F-10-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.100	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

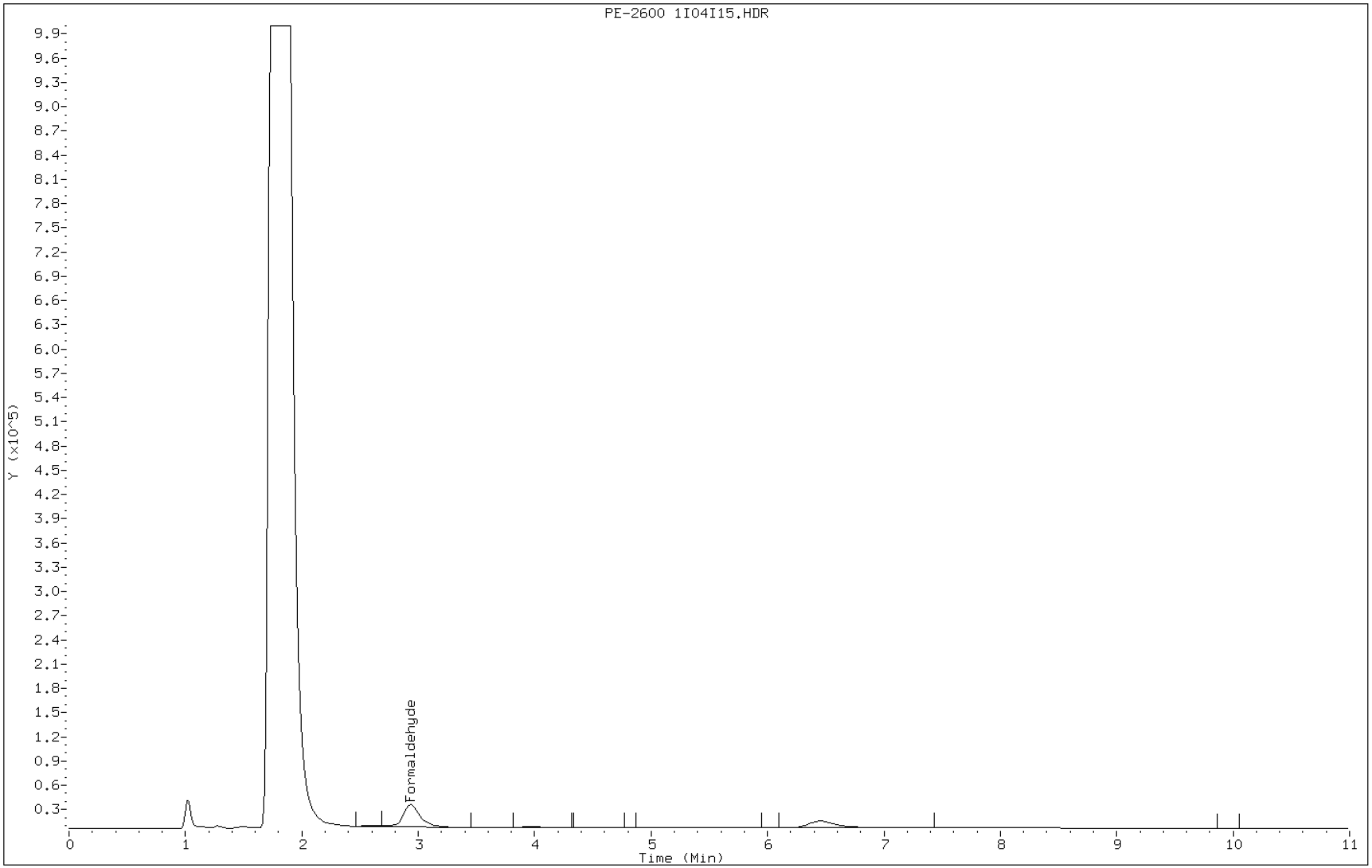
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	28046	1.18787	236	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I04I15.d

Date: 04-SEP-2009 16:32

Client ID: OC-SB-465-8.0/10-XX Instrument: TLCMUV1.i

Sample Info: 360-24417-F-10-A Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-0.0/1.0-XXX | Lab Sample ID: 360-24417-11

Matrix: Solid | Lab File ID: 1I04I19.d

Analysis Method: 8315A | Date Collected: 09/02/2009 10:05

Extract. Method: 8315_S_Prep | Date Extracted: 09/04/2009 07:35

Sample wt/vol: 20.4(g) | Date Analyzed: 09/04/2009 17:20

Con. Extract Vol.: 4.0(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | Level: (low/med) Low

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 60685 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	290		110	88
75-07-0	Acetaldehyde	ND		230	33

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I19.d
Lab Smp Id: 360-24417-F-11-A Client Smp ID: OC-SB-468-0.0/1.0-X
Inj Date : 04-SEP-2009 17:20
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-11-A
Misc Info : 360-24417-F-11-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.400	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

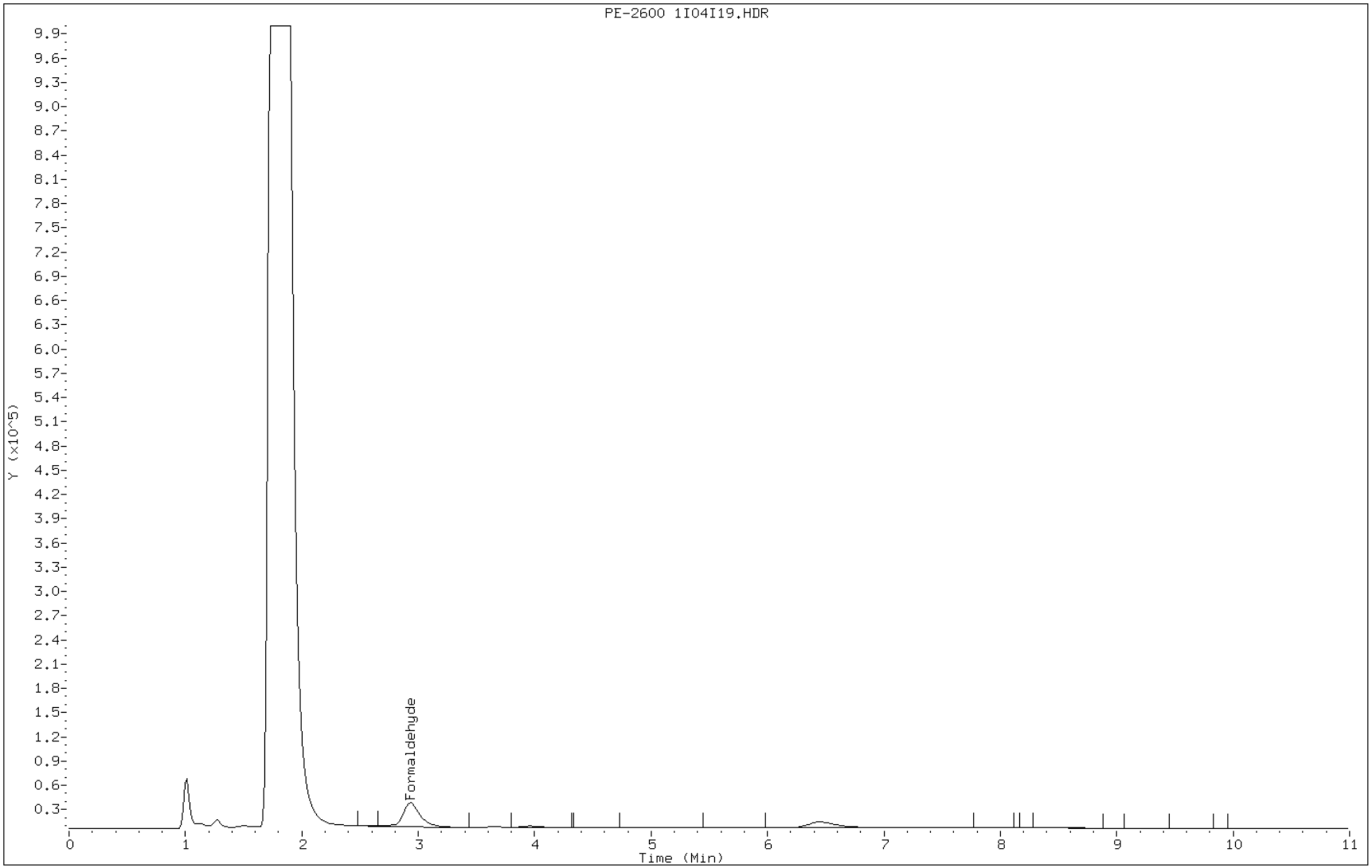
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	29939	1.29321	254	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I04I19.d

Date: 04-SEP-2009 17:20

Client ID: OC-SB-468-0.0/1.0-X Instrument: TLCMUV1.i

Sample Info: 360-24417-F-11-A Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-31/33-XXX | Lab Sample ID: 360-24417-12

Matrix: Solid | Lab File ID: 1I04I20.d

Analysis Method: 8315A | Date Collected: 09/02/2009 11:00

Extract. Method: 8315_S_Prep | Date Extracted: 09/04/2009 07:35

Sample wt/vol: 20.0(g) | Date Analyzed: 09/04/2009 17:32

Con. Extract Vol.: 4.0(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | Level: (low/med) Low

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

Analysis Batch No.: 60685 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	510		110	84
75-07-0	Acetaldehyde	ND		220	31

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I20.d
Lab Smp Id: 360-24417-F-12-A Client Smp ID: OC-SB-468-31/33-XXX
Inj Date : 04-SEP-2009 17:32
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-12-A
Misc Info : 360-24417-F-12-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

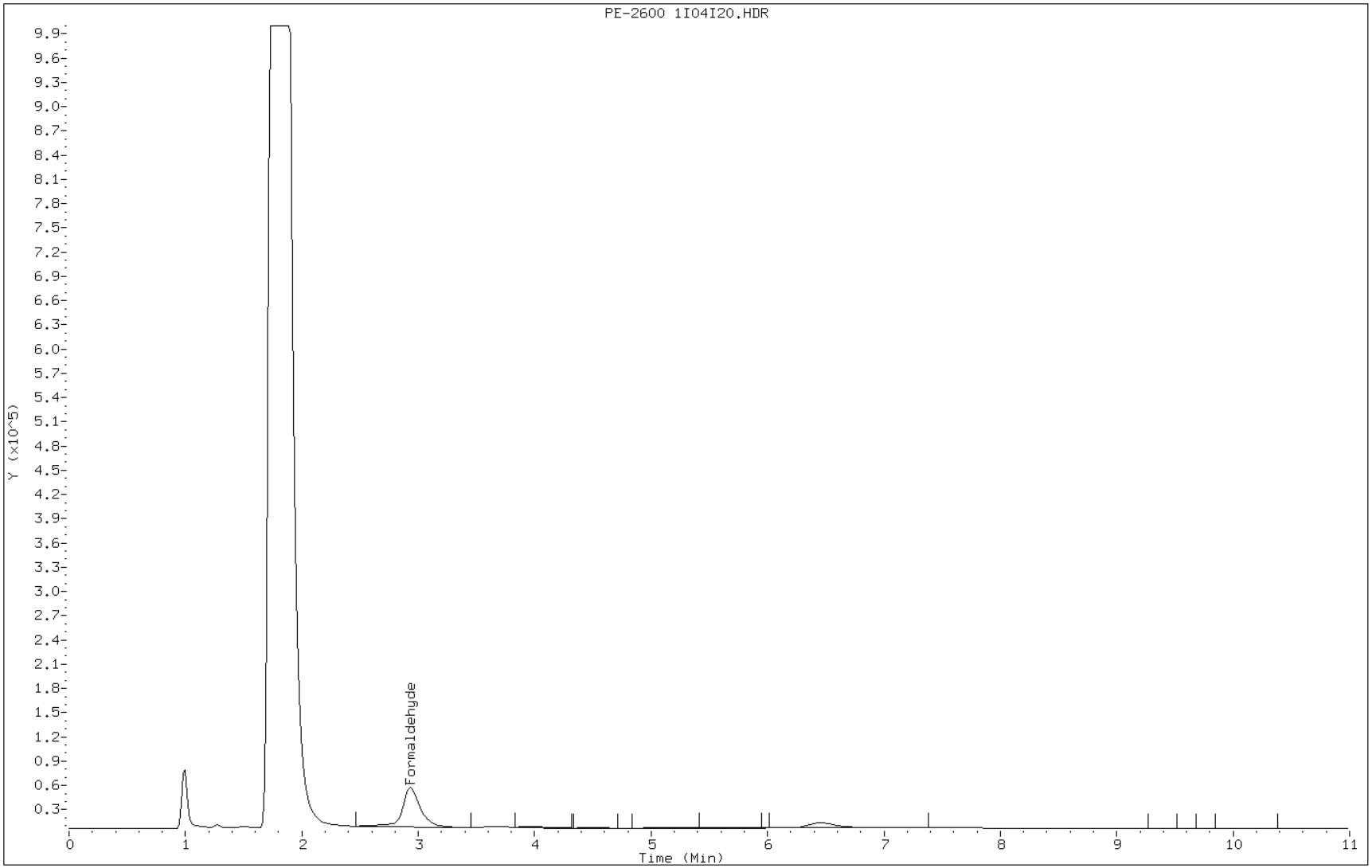
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	49310	2.37117	474	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I04I20.d

Date: 04-SEP-2009 17:32

Client ID: OC-SB-468-31/33-XXX Instrument: TLCMUV1.i

Sample Info: 360-24417-F-12-A Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-8.0/10-XXX Lab Sample ID: 360-24417-13

Matrix: Solid Lab File ID: 1I04I21.d

Analysis Method: 8315A Date Collected: 09/02/2009 10:10

Extract. Method: 8315_S_Prep Date Extracted: 09/04/2009 07:35

Sample wt/vol: 20.0(g) Date Analyzed: 09/04/2009 17:43

Con. Extract Vol.: 4.0(mL) Dilution Factor: 1

Injection Volume: 10(uL) Level: (low/med) Low

% Moisture: 12.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 60685 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	280		110	89
75-07-0	Acetaldehyde	ND		230	33

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I21.d
Lab Smp Id: 360-24417-F-13-A Client Smp ID: OC-SB-468-8.0/10-XX
Inj Date : 04-SEP-2009 17:43
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-13-A
Misc Info : 360-24417-F-13-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

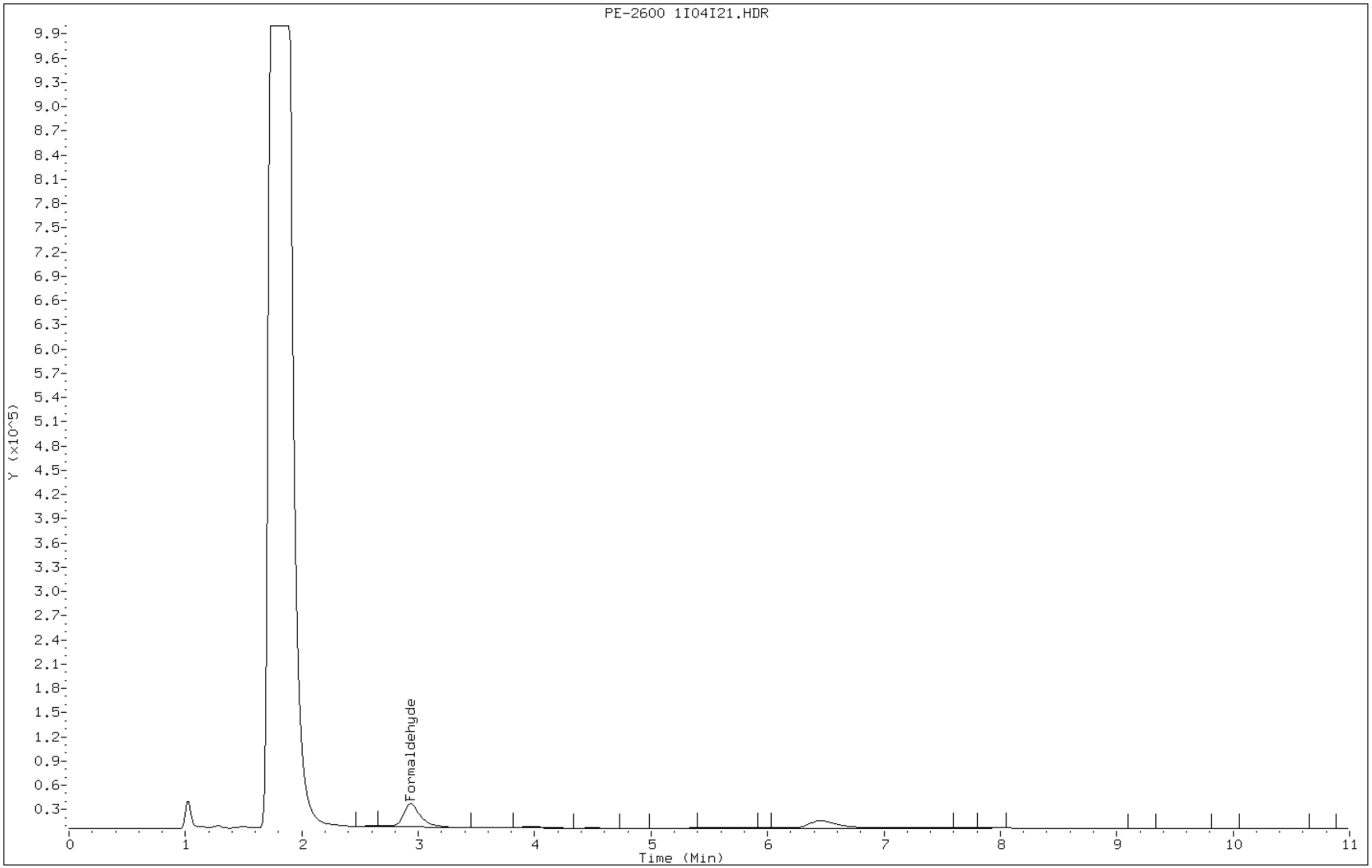
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	28849	1.23256	246	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I04I21.d

Date: 04-SEP-2009 17:43

Client ID: OC-SB-468-8.0/10-XX Instrument: TLCMUV1.i

Sample Info: 360-24417-F-13-A Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-0.0/1.0-XXX Lab Sample ID: 360-24417-14

Matrix: Solid Lab File ID: 1I04I22.d

Analysis Method: 8315A Date Collected: 09/02/2009 13:15

Extract. Method: 8315_S_Prep Date Extracted: 09/04/2009 07:35

Sample wt/vol: 20.0(g) Date Analyzed: 09/04/2009 17:55

Con. Extract Vol.: 4.0(mL) Dilution Factor: 1

Injection Volume: 10(uL) Level: (low/med) Low

% Moisture: 8.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 60685 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	210		110	85
75-07-0	Acetaldehyde	ND		220	32

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I22.d
Lab Smp Id: 360-24417-F-14-A Client Smp ID: OC-471-0.0/1.0-XXX
Inj Date : 04-SEP-2009 17:55
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-14-A
Misc Info : 360-24417-F-14-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

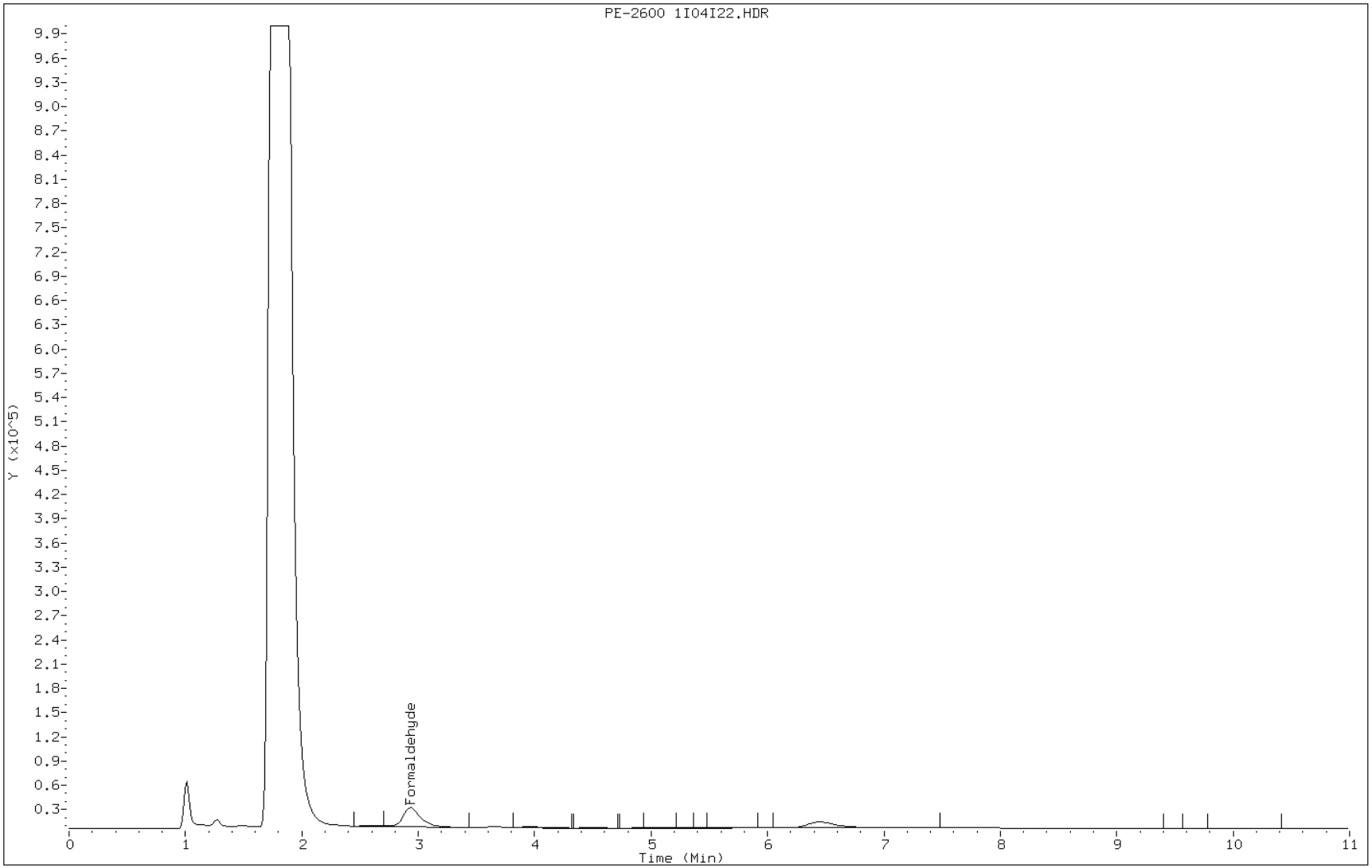
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	24088	0.96762	194	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I04I22.d

Date: 04-SEP-2009 17:55

Client ID: OC-471-0.0/1.0-XXX Instrument: TLCMUV1.i

Sample Info: 360-24417-F-14-A Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-3.0/5.0-XXX Lab Sample ID: 360-24417-15

Matrix: Solid Lab File ID: 1I04I23.d

Analysis Method: 8315A Date Collected: 09/02/2009 13:30

Extract. Method: 8315_S_Prep Date Extracted: 09/04/2009 07:35

Sample wt/vol: 20.6(g) Date Analyzed: 09/04/2009 18:07

Con. Extract Vol.: 4.0(mL) Dilution Factor: 1

Injection Volume: 10(uL) Level: (low/med) Low

% Moisture: 18.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 60685 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	180		120	93
75-07-0	Acetaldehyde	ND		240	35

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I23.d
Lab Smp Id: 360-24417-F-15-A Client Smp ID: OC-471-3.0/5.0-XXX
Inj Date : 04-SEP-2009 18:07
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-15-A
Misc Info : 360-24417-F-15-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.600	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

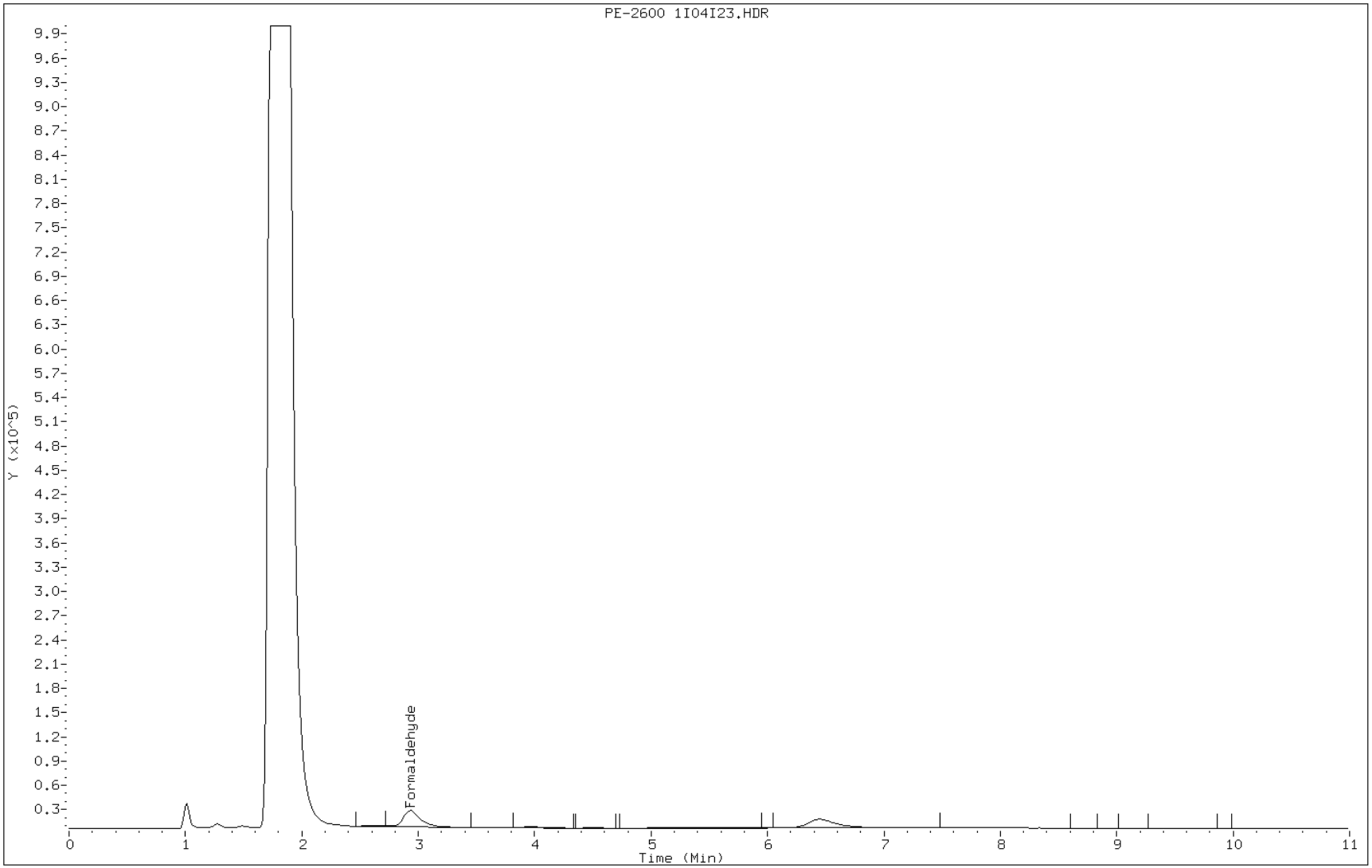
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	20574	0.77207	150	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I04I23.d

Date: 04-SEP-2009 18:07

Client ID: OC-471-3.0/5.0-XXX Instrument: TLCMUV1.i

Sample Info: 360-24417-F-15-A Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID: OC-SB-471-26/28-XXX
Lab Sample ID: 360-24417-16
Matrix: Solid
Lab File ID: 1I04I24.d
Analysis Method: 8315A
Date Collected: 09/02/2009 14:30
Extract. Method: 8315_S_Prep
Date Extracted: 09/04/2009 07:35
Sample wt/vol: 20.5(g)
Date Analyzed: 09/04/2009 18:19
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 10(uL)
Level: (low/med) Low
% Moisture: 8.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 60685
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	640		110	83
75-07-0	Acetaldehyde	ND		210	31

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I24.d
Lab Smp Id: 360-24417-F-16-A Client Smp ID: OC-471-26/28-XXX
Inj Date : 04-SEP-2009 18:19
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-16-A
Misc Info : 360-24417-F-16-A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.500	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

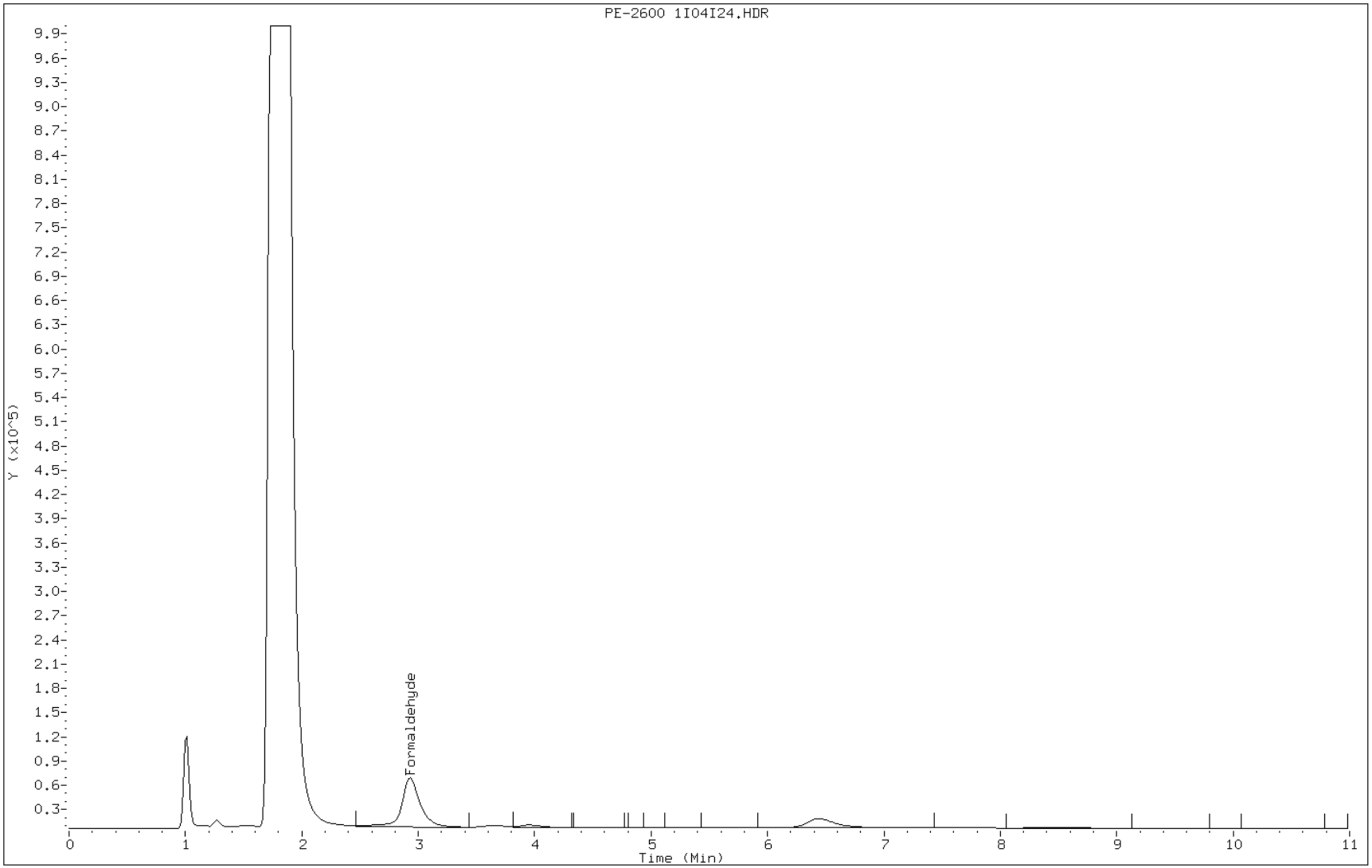
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	60560	2.99720	585	
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I04I24.d

Date: 04-SEP-2009 18:19

Client ID: OC-471-26/28-XXX Instrument: TLCMUV1.i

Sample Info: 360-24417-F-16-A Operator: DS



FORM VI
HPLC INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1 Analy Batch No.: 60472

SDG No.: OCRI-10

Instrument ID: LCM GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2009 11:33 Calibration End Date: 09/02/2009 12:20 Calibration ID: 275

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-60472/6	1I02M2.d
Level 2	IC 640-60472/7	1I02M3.d
Level 3	IC 640-60472/8	1I02M4.d
Level 4	IC 640-60472/9	1I02M5.d
Level 5	IC 640-60472/10	1I02M6.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Formaldehyde	2.933	2.933	2.933	2.933	2.933						2.783 - 3.083	2.933
Acetaldehyde	3.967	3.967	3.967	3.967	3.950						3.800 - 4.100	3.963

FORM VI
HPLC INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1 Analy Batch No.: 60472

SDG No.: OCRI-10

Instrument ID: LCM GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2009 11:33 Calibration End Date: 09/02/2009 12:20 Calibration ID: 275

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-60472/6	1I02M2.d
Level 2	IC 640-60472/7	1I02M3.d
Level 3	IC 640-60472/8	1I02M4.d
Level 4	IC 640-60472/9	1I02M5.d
Level 5	IC 640-60472/10	1I02M6.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Formaldehyde	32796 18228	23340	20181	18562	Lin	0	17970							1.0000		0.9900
Acetaldehyde	9970.0 9320.3	9308.0	8914.8	9275.7	Ave		9358				4.1		20.0			

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

FORM VI
HPLC INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1 Analy Batch No.: 60472

SDG No.: OCRI-10

Instrument ID: LCM GC Column: LC-C18 ID: Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2009 11:33 Calibration End Date: 09/02/2009 12:20 Calibration ID: 275

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-60472/6	1I02M2.d
Level 2	IC 640-60472/7	1I02M3.d
Level 3	IC 640-60472/8	1I02M4.d
Level 4	IC 640-60472/9	1I02M5.d
Level 5	IC 640-60472/10	1I02M6.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Formaldehyde	Lin	16398	29175	50452	232028	455701	0.500	1.25	2.50	12.5	25.0
Acetaldehyde	Ave	4985	11635	22287	115946	233007	0.500	1.25	2.50	12.5	25.0

Curve Type Legend:

Ave = Average by Height
Lin = Linear by Height

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI029.b\1I02M2.d
Lab Smp Id: C1.60361 Client Smp ID: C1.60361
Inj Date : 02-SEP-2009 11:33
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C1.60361
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI029.b\8315_A&F.m
Meth Date : 02-Sep-2009 13:43 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 11:33 Cal File: 1I02M2.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

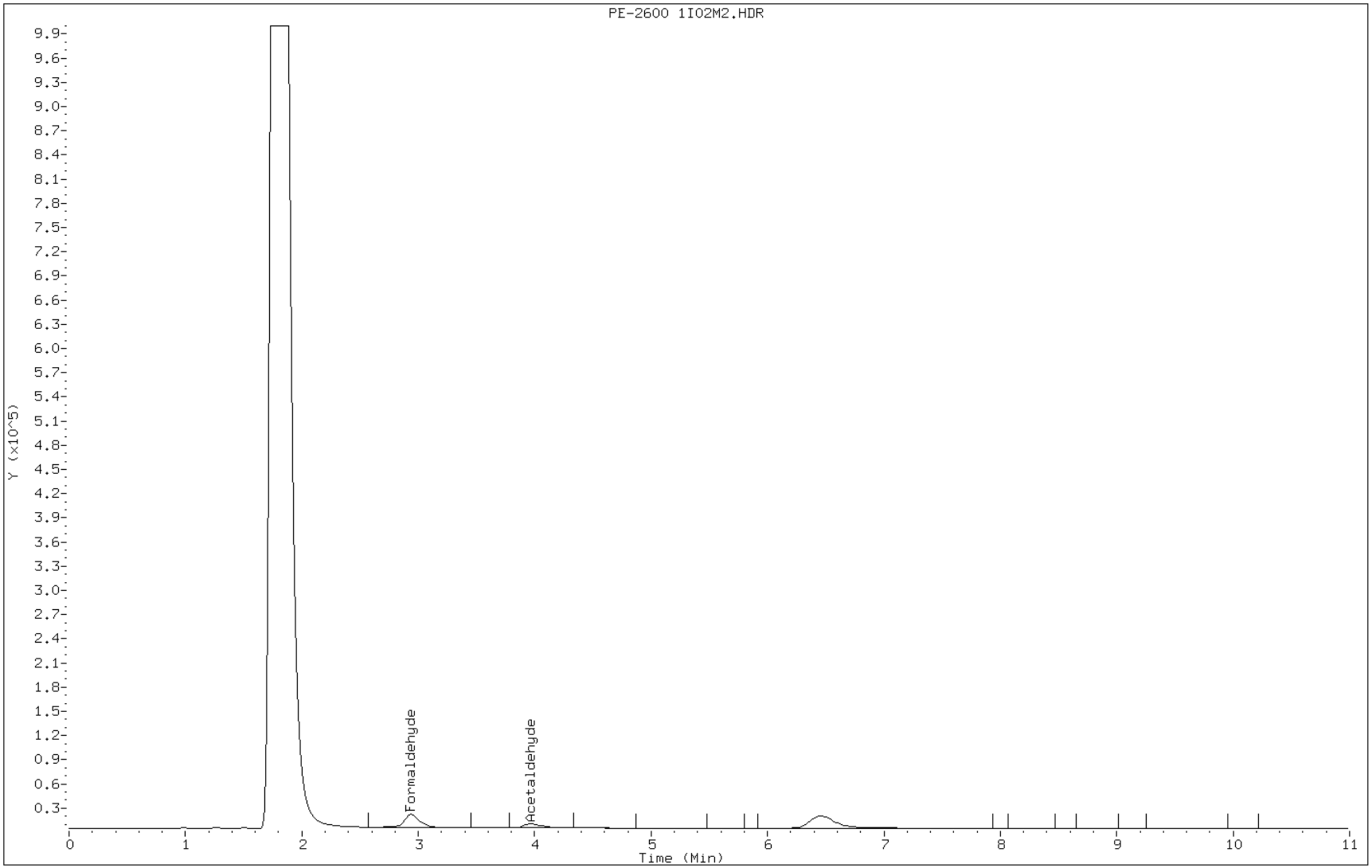
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	16398	0.50000	0.500	
2 Acetaldehyde	3.966	3.966	0.000	4985	0.50000	0.500	

Data File: 1I02M2.d

Date: 02-SEP-2009 11:33

Client ID: C1.60361 Instrument: TLCMUV1.i

Sample Info: C1.60361 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI029.b\1I02M3.d
Lab Smp Id: C2.60361 Client Smp ID: C2.60361
Inj Date : 02-SEP-2009 11:44
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C2.60361
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI029.b\8315_A&F.m
Meth Date : 02-Sep-2009 13:43 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 11:44 Cal File: 1I02M3.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

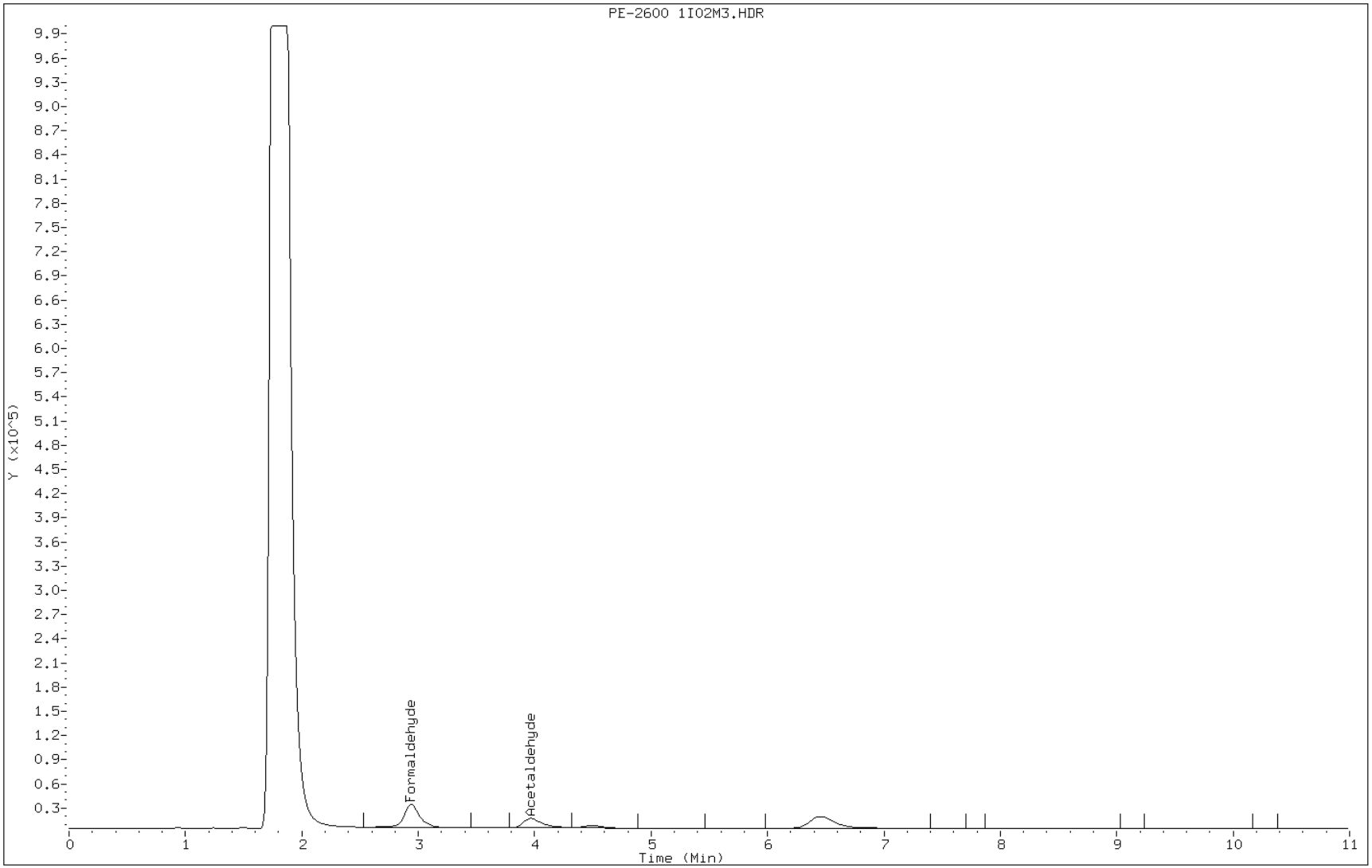
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	29175	1.25000	1.25	
2 Acetaldehyde	3.966	3.966	0.000	11635	1.25000	1.21	

Data File: 1I02M3.d

Date: 02-SEP-2009 11:44

Client ID: C2.60361 Instrument: TLCMUV1.i

Sample Info: C2.60361 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI029.b\1I02M4.d
Lab Smp Id: C3.60361 Client Smp ID: C3.60361
Inj Date : 02-SEP-2009 11:56
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C3.60361
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI029.b\8315_A&F.m
Meth Date : 02-Sep-2009 13:43 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 11:56 Cal File: 1I02M4.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

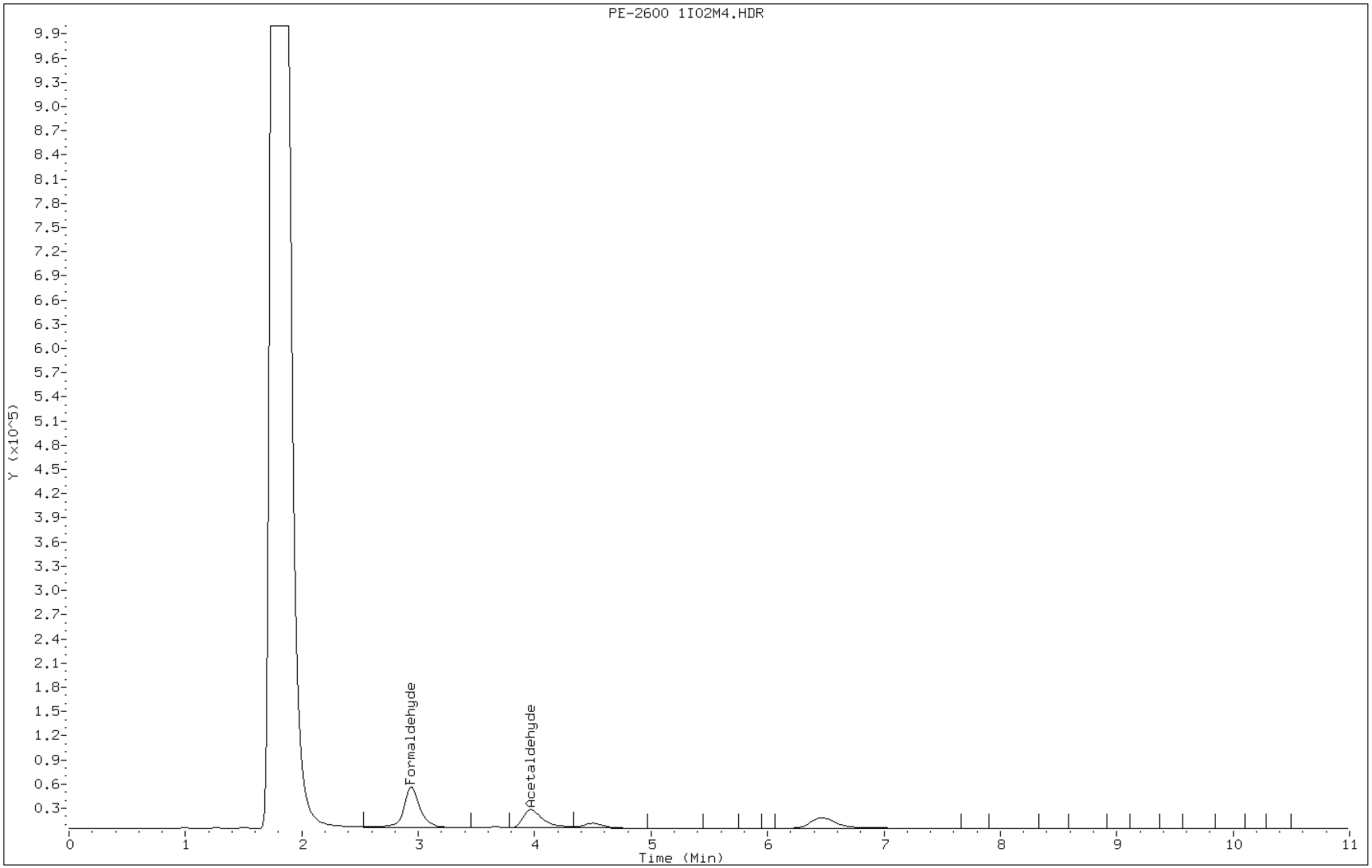
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	50452	2.50000	2.50	
2 Acetaldehyde	3.966	3.966	0.000	22287	2.50000	2.37	

Data File: 1I02M4.d

Date: 02-SEP-2009 11:56

Client ID: C3.60361 Instrument: TLCMUV1.i

Sample Info: C3.60361 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI029.b\1I02M5.d
Lab Smp Id: C4.60361 Client Smp ID: C4.60361
Inj Date : 02-SEP-2009 12:08
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C4.60361
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI029.b\8315_A&F.m
Meth Date : 02-Sep-2009 13:43 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:08 Cal File: 1I02M5.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

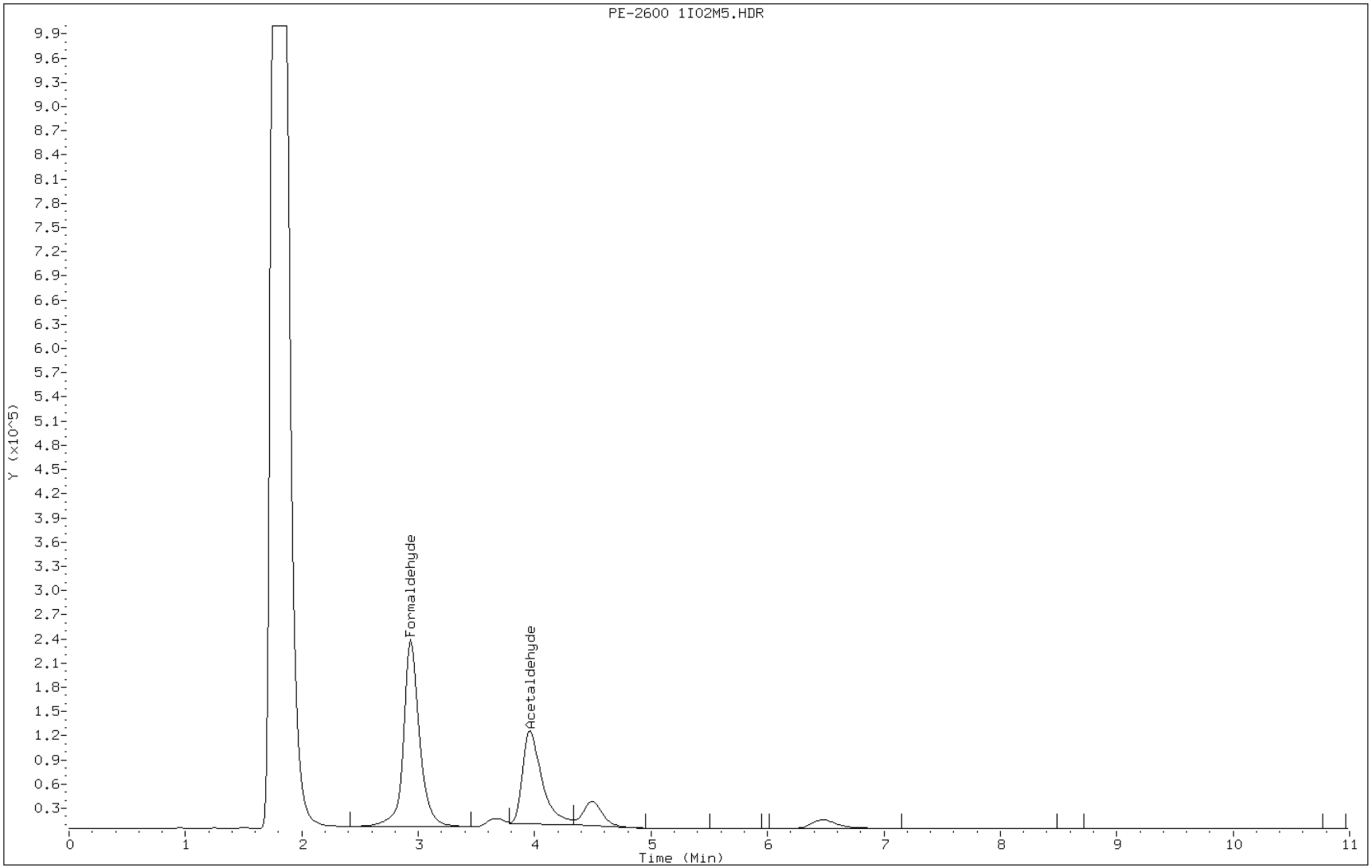
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	232028	12.5000	12.5	
2 Acetaldehyde	3.966	3.966	0.000	115946	12.5000	12.4	

Data File: 1I02M5.d

Date: 02-SEP-2009 12:08

Client ID: C4.60361 Instrument: TLCMUV1.i

Sample Info: C4.60361 Operator: DS



TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI029.b\1I02M6.d
Lab Smp Id: C5.60361 Client Smp ID: C5.60361
Inj Date : 02-SEP-2009 12:20
Operator : DS Inst ID: TLCMUV1.i
Smp Info : C5.60361
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI029.b\8315_A&F.m
Meth Date : 02-Sep-2009 13:43 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

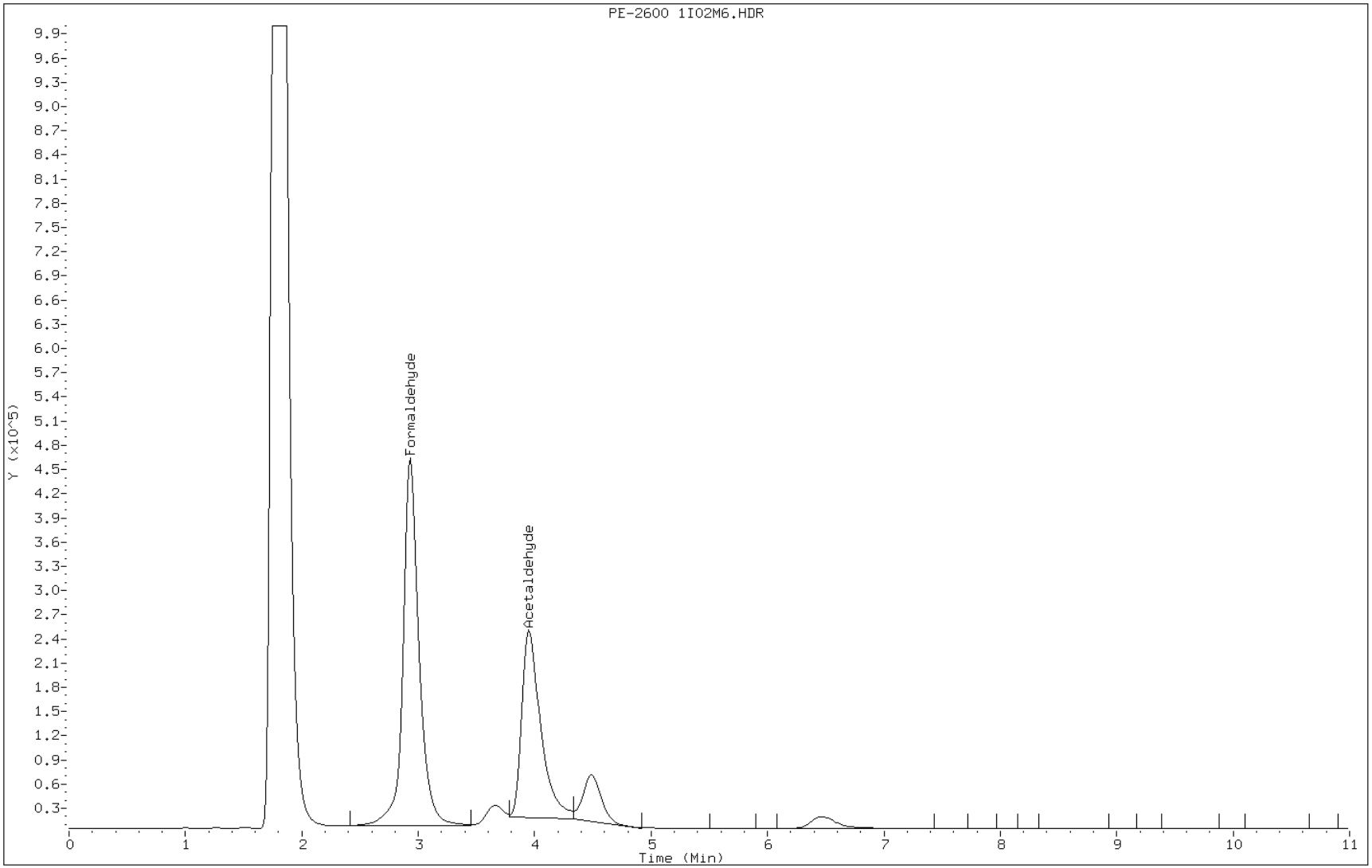
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	455701	25.0000	24.8	
2 Acetaldehyde	3.950	3.950	0.000	233007	25.0000	24.9	

Data File: 1I02M6.d

Date: 02-SEP-2009 12:20

Client ID: C5.60361 Instrument: TLCMUV1.i

Sample Info: C5.60361 Operator: DS



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVRT 640-60685/11 Calibration Date: 09/04/2009 13:20

Instrument ID: LCM Calib Start Date: 09/02/2009 11:33

GC Column: LC-C18 ID: Calib End Date: 09/02/2009 12:20

Lab File ID: 1I04I2.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Lin	22621	22226		2.72	2.50	8.8	15.0
Acetaldehyde	Ave	9358	8996		2.40	2.50	-3.9	15.0

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVRT 640-60685/11 Calibration Date: 09/04/2009 13:20

Instrument ID: LCM Calib Start Date: 09/02/2009 11:33

GC Column: LC-C18 ID: Calib End Date: 09/02/2009 12:20

Lab File ID: 1I04I2.d

Analyte	RT	RT WINDOW	
		TO	FROM
Formaldehyde	2.93	2.78	3.08
Acetaldehyde	3.97	3.82	4.12

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I2.d
Lab Smp Id: CCVRT Client Smp ID: M3.60361
Inj Date : 04-SEP-2009 13:20
Operator : DS Inst ID: TLCMUV1.i
Smp Info : M3.60361
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 15-Sep-2009 09:53 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831509J.sub
Target Version: 4.14
Processing Host: TALLM05A

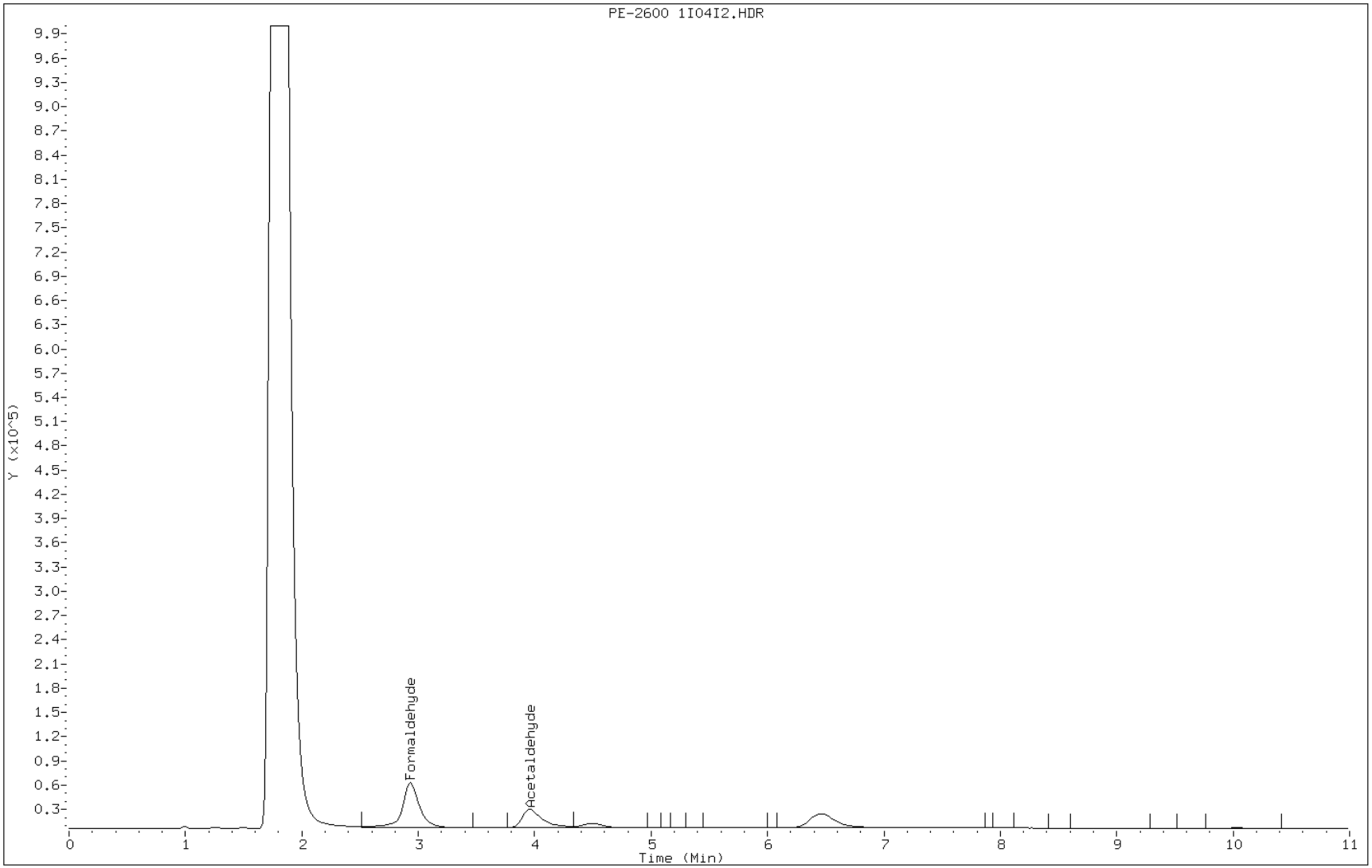
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	55564	2.50000	2.72	
2 Acetaldehyde	3.966	3.966	0.000	22490	2.50000	2.40	

Data File: 1I04I2.d

Date: 04-SEP-2009 13:20

Client ID: M3.60361 Instrument: TLCMUV1.i

Sample Info: M3.60361 Operator: DS



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVRT 640-60685/7 Calibration Date: 09/04/2009 16:44

Instrument ID: LCM Calib Start Date: 09/02/2009 11:33

GC Column: LC-C18 ID: Calib End Date: 09/02/2009 12:20

Lab File ID: 1I04I16.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Lin	22621	17136		11.5	12.5	-7.6	15.0
Acetaldehyde	Ave	9358	8765		11.7	12.5	-6.3	15.0

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVRT 640-60685/7 Calibration Date: 09/04/2009 16:44

Instrument ID: LCM Calib Start Date: 09/02/2009 11:33

GC Column: LC-C18 ID: Calib End Date: 09/02/2009 12:20

Lab File ID: 1I04I16.d

Analyte	RT	RT WINDOW	
		TO	FROM
Formaldehyde	2.93	2.78	3.08
Acetaldehyde	3.95	3.80	4.10

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I16.d
Lab Smp Id: CCVRT Client Smp ID: M3.60361
Inj Date : 04-SEP-2009 16:44
Operator : DS Inst ID: TLCMUV1.i
Smp Info : M3.60361
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

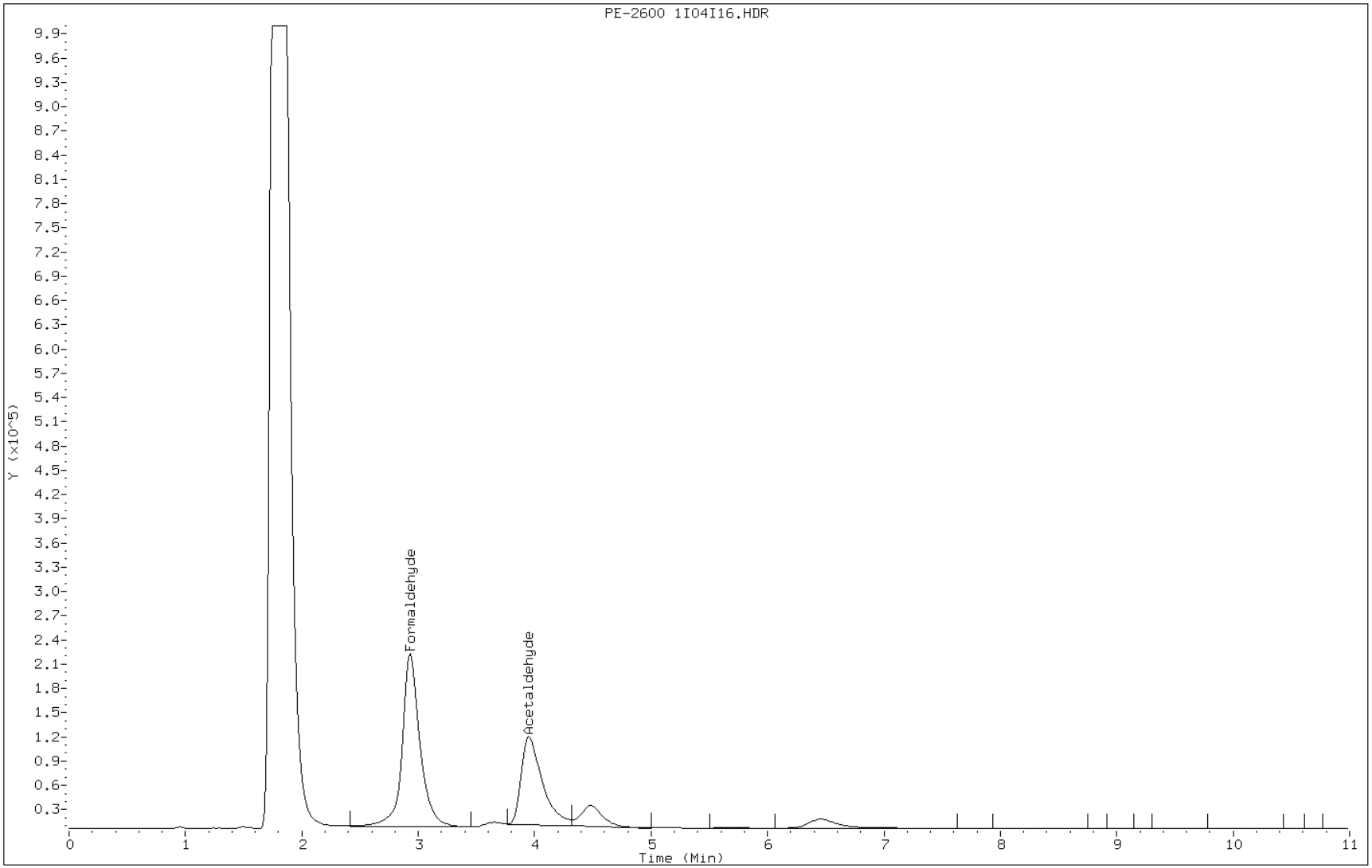
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	214205	12.5000	11.5	
2 Acetaldehyde	3.950	3.950	0.000	109563	12.5000	11.7	

Data File: 1I04I16.d

Date: 04-SEP-2009 16:44

Client ID: M3.60361 Instrument: TLCMUV1.i

Sample Info: M3.60361 Operator: DS



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVRT 640-60685/23 Calibration Date: 09/04/2009 19:30

Instrument ID: LCM Calib Start Date: 09/02/2009 11:33

GC Column: LC-C18 ID: Calib End Date: 09/02/2009 12:20

Lab File ID: 1I04I30.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Lin	22621	20958		2.54	2.50	1.7	15.0
Acetaldehyde	Ave	9358	8402		2.24	2.50	-10.2	15.0

FORM VII 8315A

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVRT 640-60685/23 Calibration Date: 09/04/2009 19:30

Instrument ID: LCM Calib Start Date: 09/02/2009 11:33

GC Column: LC-C18 ID: Calib End Date: 09/02/2009 12:20

Lab File ID: 1I04I30.d

Analyte	RT	RT WINDOW	
		TO	FROM
Formaldehyde	2.93	2.78	3.08
Acetaldehyde	3.95	3.80	4.10

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I30.d
Lab Smp Id: CCVRT Client Smp ID: M3.60361
Inj Date : 04-SEP-2009 19:30
Operator : DS Inst ID: TLCMUV1.i
Smp Info : M3.60361
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

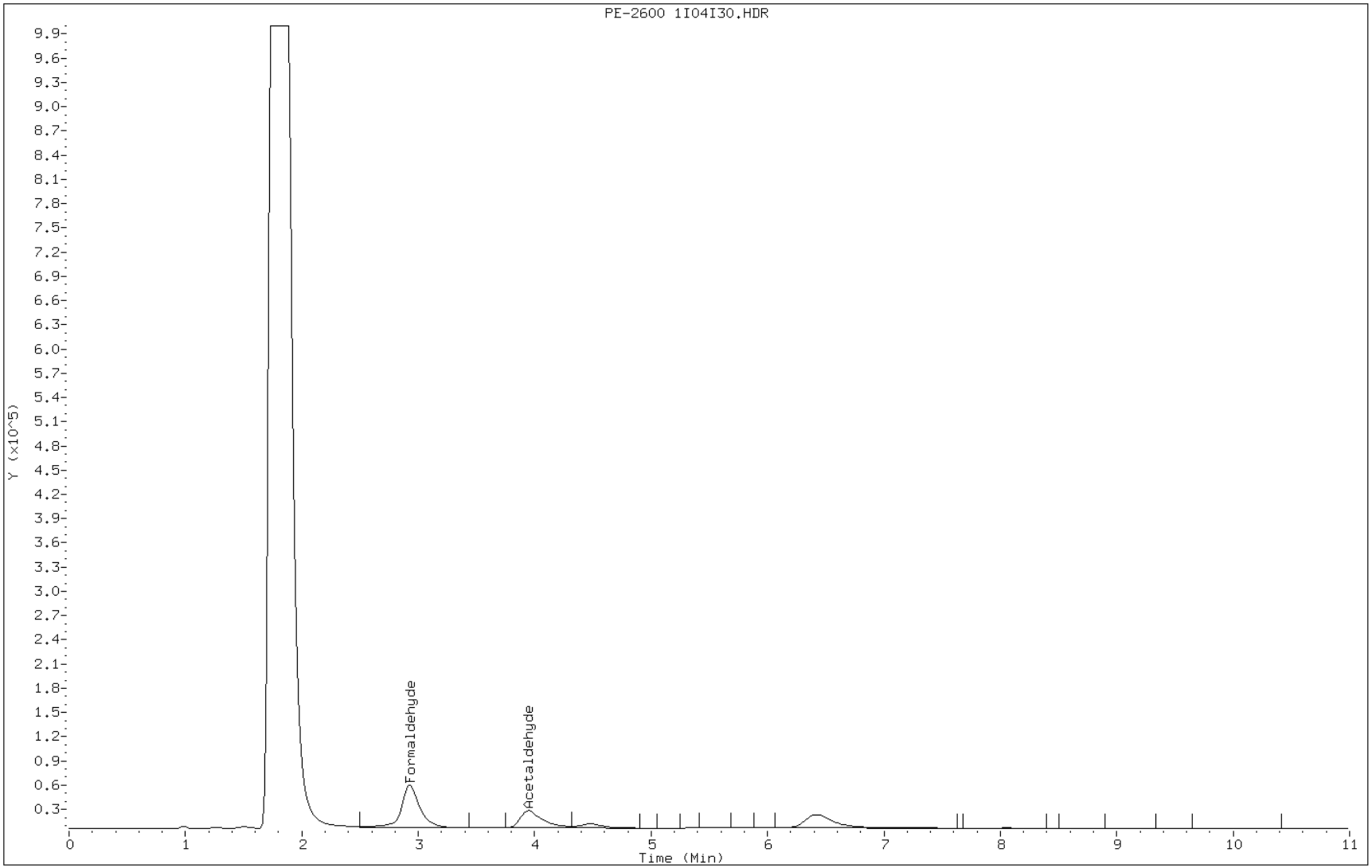
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	52394	2.50000	2.54	
2 Acetaldehyde	3.950	3.950	0.000	21005	2.50000	2.24	

Data File: 1I04I30.d

Date: 04-SEP-2009 19:30

Client ID: M3.60361 Instrument: TLCMUV1.i

Sample Info: M3.60361 Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID:
Lab Sample ID: MB 640-60432/1-A
Matrix: Solid
Lab File ID: 1I04I3.d
Analysis Method: 8315A
Date Collected:
Extract. Method: 8315_S_Prep
Date Extracted: 09/04/2009 07:35
Sample wt/vol: 20.0(g)
Date Analyzed: 09/04/2009 14:11
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 10(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 60685
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	ND		100	78
75-07-0	Acetaldehyde	ND		200	29

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I3.d
Lab Smp Id: MB 640-60432/1A Client Smp ID: 60432MB
Inj Date : 04-SEP-2009 14:11
Operator : DS Inst ID: TLCMUV1.i
Smp Info : MB 640-60432/1A
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	Compound Not Detected.						
2 Acetaldehyde	Compound Not Detected.						

Data File: 1I04I3.d

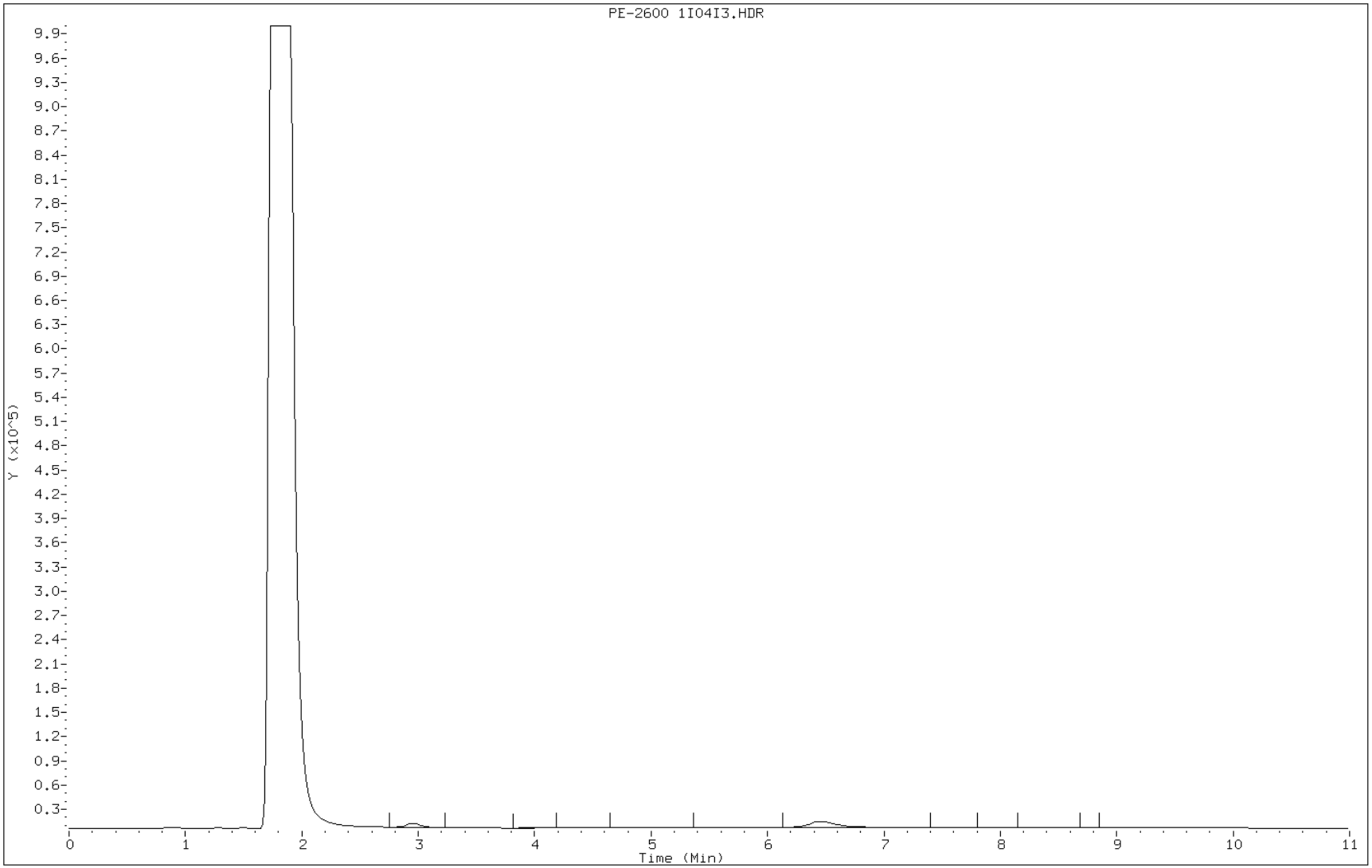
Date: 04-SEP-2009 14:11

Client ID: 60432MB

Instrument: TLCMUV1.i

Sample Info: MB 640-60432/1A

Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID:
Lab Sample ID: LCS 640-60432/2-A
Matrix: Solid
Lab File ID: 1I04I4.d
Analysis Method: 8315A
Date Collected:
Extract. Method: 8315_S_Prep
Date Extracted: 09/04/2009 07:35
Sample wt/vol: 20.0(g)
Date Analyzed: 09/04/2009 14:23
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 10(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 60685
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	712		100	78
75-07-0	Acetaldehyde	628		200	29

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I4.d
Lab Smp Id: LCS 640-60432/2A Client Smp ID: 60432MBLCS
Inj Date : 04-SEP-2009 14:23
Operator : DS Inst ID: TLCMUV1.i
Smp Info : LCS 640-60432/2A
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	70694	3.56114	712	
2 Acetaldehyde	3.950	3.950	0.000	29390	3.14071	628	

Data File: 1I04I4.d

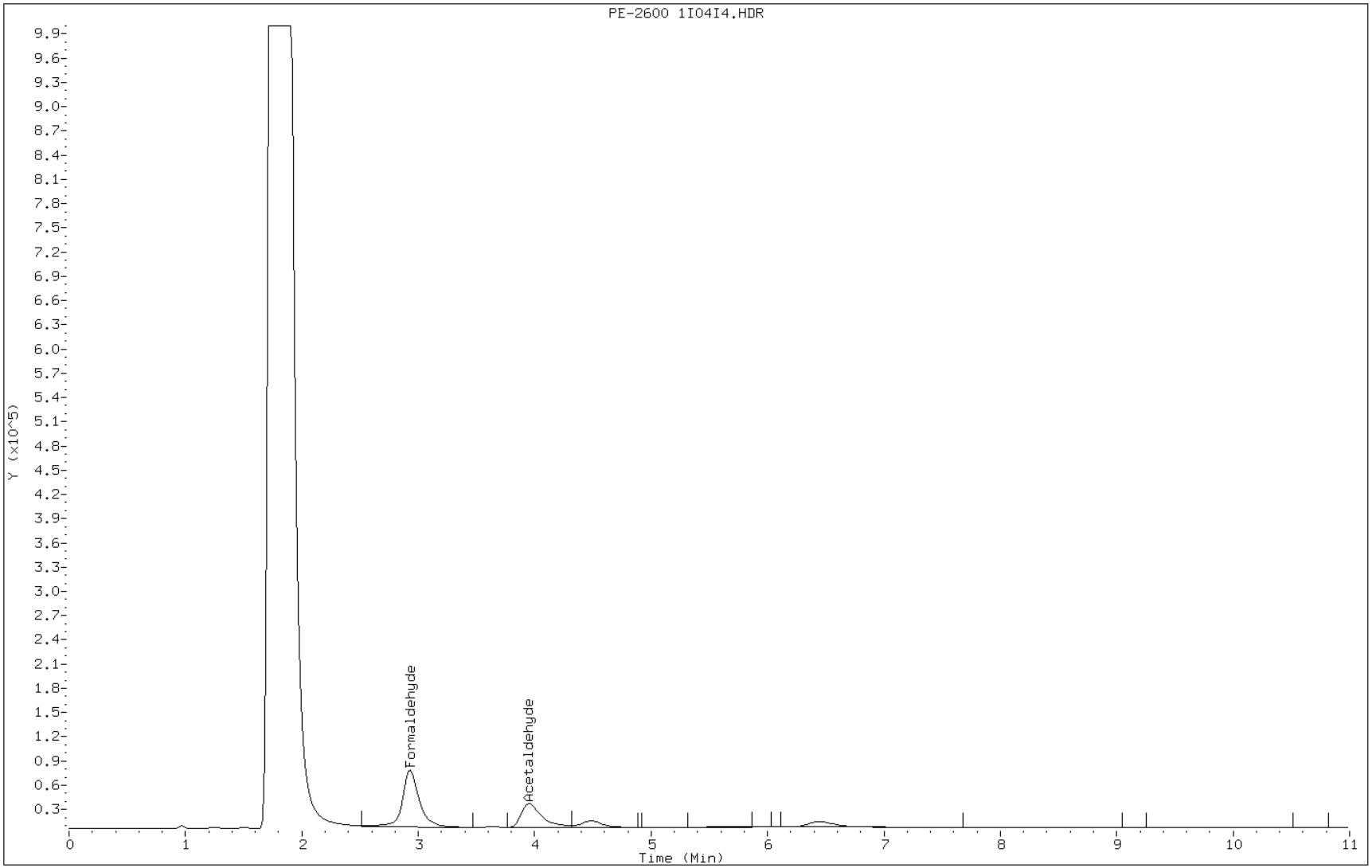
Date: 04-SEP-2009 14:23

Client ID: 60432MBLCS

Instrument: TLCMUV1.i

Sample Info: LCS 640-60432/2A

Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID:
Lab Sample ID: LCSD 640-60432/3-A
Matrix: Solid
Lab File ID: 1I04I5.d
Analysis Method: 8315A
Date Collected:
Extract. Method: 8315_S_Prep
Date Extracted: 09/04/2009 07:35
Sample wt/vol: 20.0(g)
Date Analyzed: 09/04/2009 14:34
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 10(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 60685
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	733		100	78
75-07-0	Acetaldehyde	640		200	29

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I5.d
Lab Smp Id: LCSD 640-60432/3A Client Smp ID: 60432MBLCSD
Inj Date : 04-SEP-2009 14:34
Operator : DS Inst ID: TLCMUV1.i
Smp Info : LCSD 640-60432/3A
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

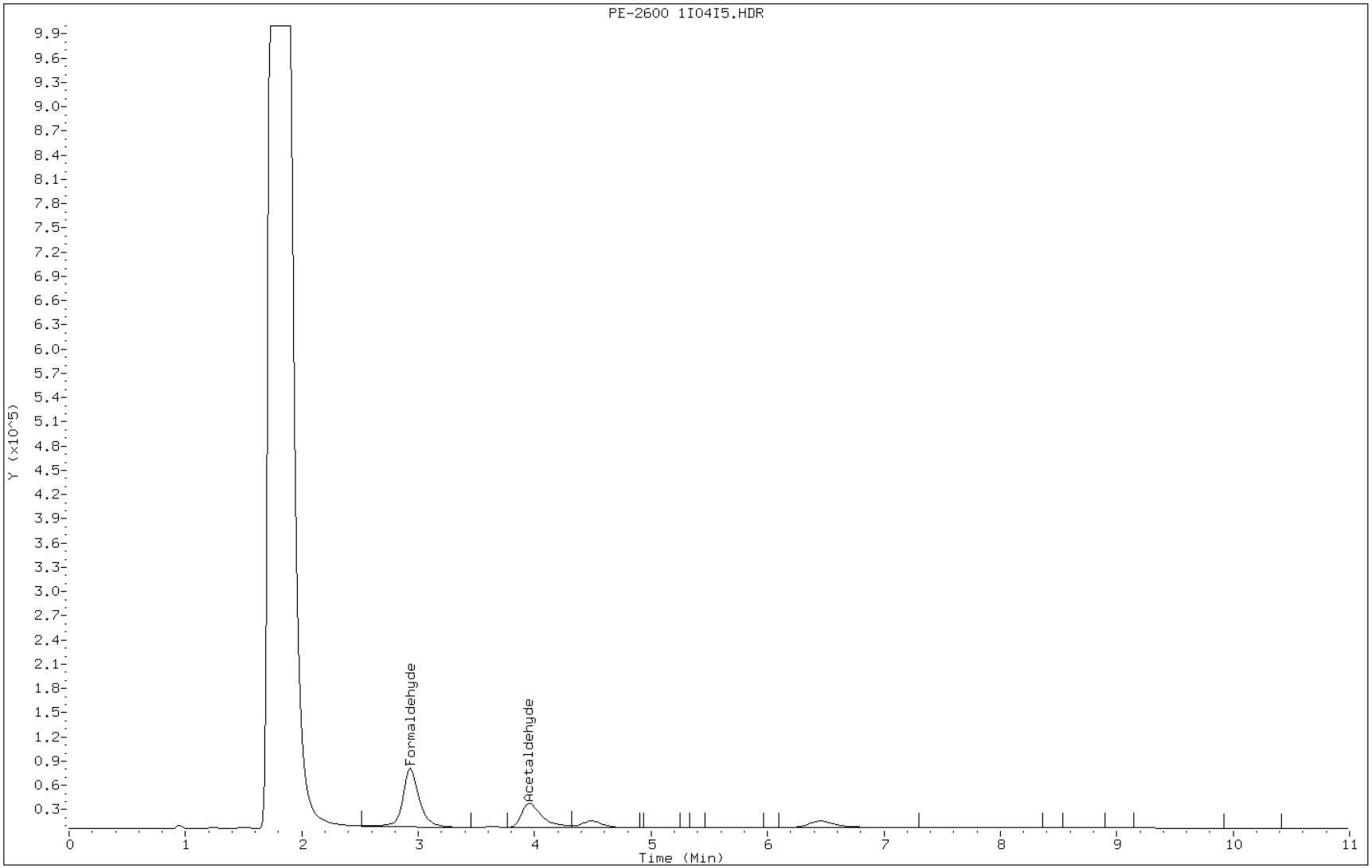
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	72574	3.66575	733	
2 Acetaldehyde	3.950	3.950	0.000	29931	3.19852	640	

Data File: 1I04I5.d

Date: 04-SEP-2009 14:34

Client ID: 60432MBLCSD | Instrument: TLCMUV1.i

Sample Info: LCSD 640-60432/3A | Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID: OC-SB-465-8.0/10-XXX MS
Lab Sample ID: 360-24417-10 MS
Matrix: Solid
Lab File ID: 1I04I17.d
Analysis Method: 8315A
Date Collected: 09/02/2009 07:45
Extract. Method: 8315_S_Prep
Date Extracted: 09/04/2009 07:35
Sample wt/vol: 20.4(g)
Date Analyzed: 09/04/2009 16:56
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 10(uL)
Level: (low/med) Low
% Moisture: 11.5
GPC Cleanup:(Y/N) N
Analysis Batch No.: 60685
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	987		110	86
75-07-0	Acetaldehyde	701		220	32

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I17.d
Lab Smp Id: 360-24417-F-10-B MS Client Smp ID: 2417-10MS
Inj Date : 04-SEP-2009 16:56
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-10-B MS
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.933	2.933	0.000	86735	4.45378	891	
2 Acetaldehyde	3.966	3.950	0.016	29607	3.16390	633	

Data File: 1I04I17.d

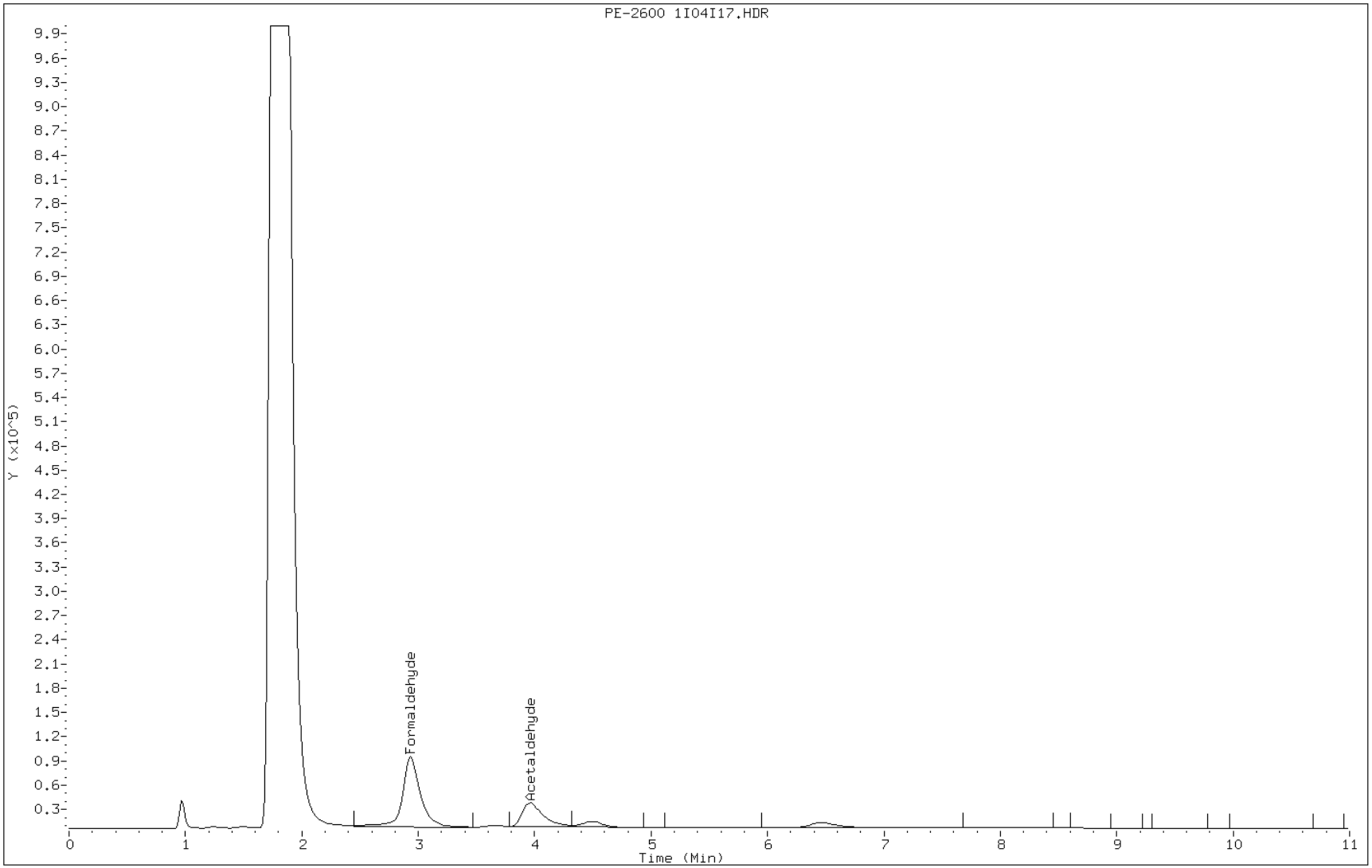
Date: 04-SEP-2009 16:56

Client ID: 2417-10MS

Instrument: TLCMUV1.i

Sample Info: 360-24417-F-10-B MS

Operator: DS



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MSD | Lab Sample ID: 360-24417-10 MSD

Matrix: Solid | Lab File ID: 1I04I18.d

Analysis Method: 8315A | Date Collected: 09/02/2009 07:45

Extract. Method: 8315_S_Prep | Date Extracted: 09/04/2009 07:35

Sample wt/vol: 20.1(g) | Date Analyzed: 09/04/2009 17:08

Con. Extract Vol.: 4.0(mL) | Dilution Factor: 1

Injection Volume: 10(uL) | Level: (low/med) Low

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

Analysis Batch No.: 60685 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	1060		110	88
75-07-0	Acetaldehyde	745		220	33

TestAmerica Tallahassee

Semivolatile REPORT SW-846 Method 8315

Data file : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\1I04I18.d
Lab Smp Id: 360-24417F10C MSD Client Smp ID: 24417-10MSD
Inj Date : 04-SEP-2009 17:08
Operator : DS Inst ID: TLCMUV1.i
Smp Info : 360-24417-F-10-C MSD
Misc Info : 8315A
Comment :
Method : \\Talsvr05\chem\LC\TLCMUV1.i\1MI049.b\8315_A&F.m
Meth Date : 08-Sep-2009 14:31 rdriver Quant Type: ESTD
Cal Date : 02-SEP-2009 12:20 Cal File: 1I02M6.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 831506J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws * 100/(100 - M) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	20.000	Weight of sample extract
M	0.00000	% Moisture
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
Cpnd Variable		Local Compound Variable

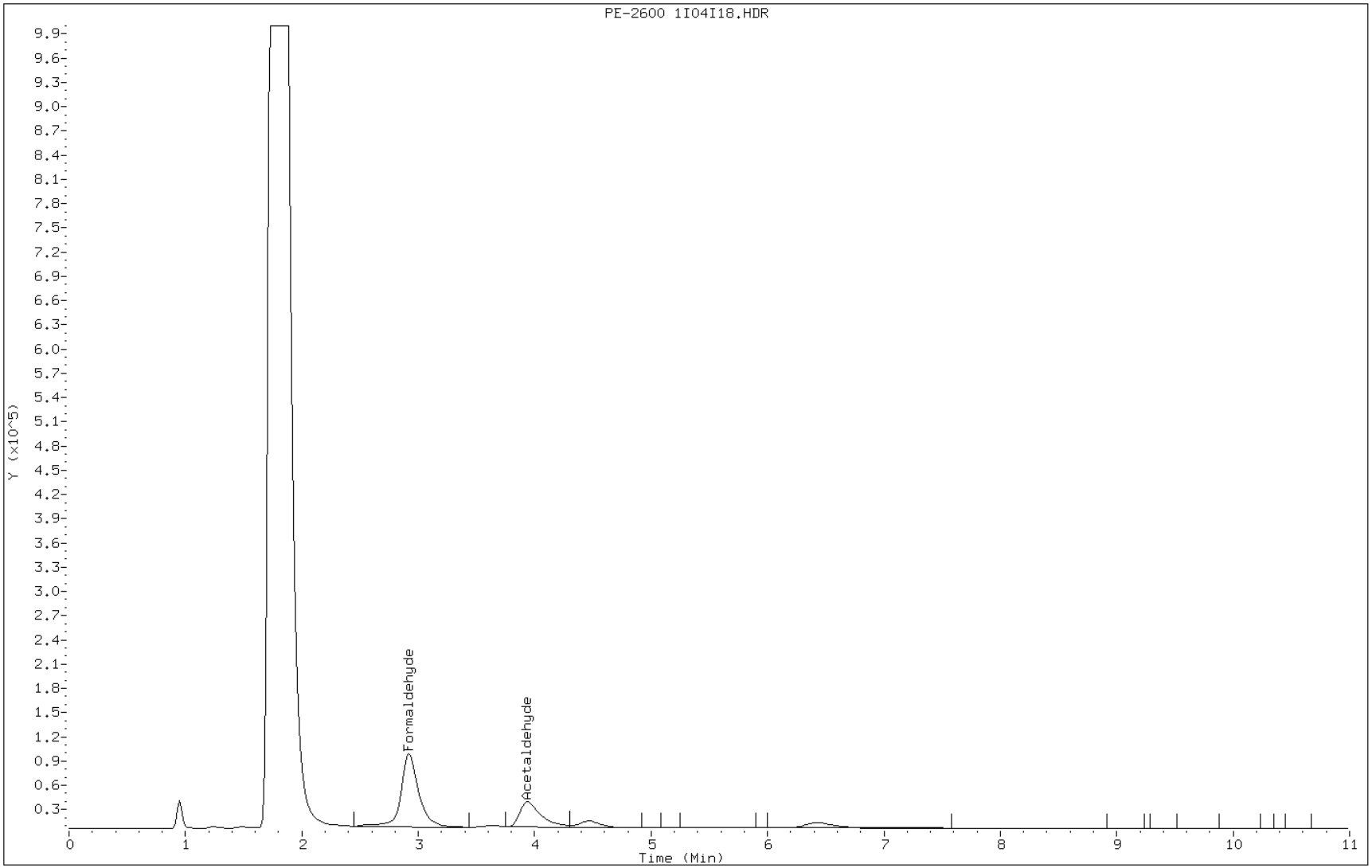
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Formaldehyde	2.916	2.933	-0.017	91181	4.70119	940	
2 Acetaldehyde	3.933	3.950	-0.017	30984	3.31105	662	

Data File: 1I04I18.d

Date: 04-SEP-2009 17:08

Client ID: 24417-10MSD Instrument: TLCMUV1.i

Sample Info: 360-24417-F-10-C MSD Operator: DS



HPLC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: LCM Start Date: 09/02/2009 11:33

Analysis Batch Number: 60472 End Date: 09/02/2009 20:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/02/2009 11:33	1		LC-C18
IC 640-60472/6		09/02/2009 11:33	1	1I02M2.d	LC-C18
ZZZZZ		09/02/2009 11:44	1		LC-C18
IC 640-60472/7		09/02/2009 11:44	1	1I02M3.d	LC-C18
ZZZZZ		09/02/2009 11:56	1		LC-C18
IC 640-60472/8		09/02/2009 11:56	1	1I02M4.d	LC-C18
ZZZZZ		09/02/2009 12:08	1		LC-C18
IC 640-60472/9		09/02/2009 12:08	1	1I02M5.d	LC-C18
ZZZZZ		09/02/2009 12:20	1		LC-C18
IC 640-60472/10		09/02/2009 12:20	1	1I02M6.d	LC-C18
ZZZZZ		09/02/2009 12:32	1		LC-C18
ZZZZZ		09/02/2009 13:56	1		LC-C18
ZZZZZ		09/02/2009 14:08	1		LC-C18
ZZZZZ		09/02/2009 14:20	1		LC-C18
ZZZZZ		09/02/2009 14:32	1		LC-C18
ZZZZZ		09/02/2009 14:43	1		LC-C18
ZZZZZ		09/02/2009 14:55	1		LC-C18
ZZZZZ		09/02/2009 15:07	1		LC-C18
ZZZZZ		09/02/2009 15:19	1		LC-C18
ZZZZZ		09/02/2009 15:31	1		LC-C18
ZZZZZ		09/02/2009 15:42	1		LC-C18
CCVRT 640-60472/18		09/02/2009 15:59	1		LC-C18
ZZZZZ		09/02/2009 16:19	1		LC-C18
ZZZZZ		09/02/2009 16:31	1		LC-C18
ZZZZZ		09/02/2009 16:43	1		LC-C18
ZZZZZ		09/02/2009 16:55	1		LC-C18
ZZZZZ		09/02/2009 17:07	1		LC-C18
ZZZZZ		09/02/2009 17:18	1		LC-C18
ZZZZZ		09/02/2009 17:30	1		LC-C18
ZZZZZ		09/02/2009 17:42	1		LC-C18
ZZZZZ		09/02/2009 17:54	1		LC-C18
ZZZZZ		09/02/2009 18:06	1		LC-C18
ZZZZZ		09/02/2009 18:17	1		LC-C18
ZZZZZ		09/02/2009 18:29	1		LC-C18
ZZZZZ		09/02/2009 18:41	1		LC-C18
CCVRT 640-60472/32		09/02/2009 18:53	1		LC-C18
ZZZZZ		09/02/2009 19:05	1		LC-C18
ZZZZZ		09/02/2009 19:16	1		LC-C18
ZZZZZ		09/02/2009 19:28	1		LC-C18
ZZZZZ		09/02/2009 19:40	1		LC-C18
ZZZZZ		09/02/2009 19:52	1		LC-C18
ZZZZZ		09/02/2009 20:04	1		LC-C18
ZZZZZ		09/02/2009 20:15	1		LC-C18
ZZZZZ		09/02/2009 20:27	1		LC-C18
ZZZZZ		09/02/2009 20:39	1		LC-C18

8315A

HPLC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: LCM Start Date: 09/02/2009 11:33

Analysis Batch Number: 60472 End Date: 09/02/2009 20:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 640-60472/42		09/02/2009 20:51	1		LC-C18

8315A

HPLC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: LCM Start Date: 09/04/2009 13:20

Analysis Batch Number: 60685 End Date: 09/04/2009 19:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 640-60685/11		09/04/2009 13:20	1	1I04I2.d	LC-C18
MB 640-60432/1-A		09/04/2009 14:11	1	1I04I3.d	LC-C18
LCS 640-60432/2-A		09/04/2009 14:23	1	1I04I4.d	LC-C18
LCSD 640-60432/3-A		09/04/2009 14:34	1	1I04I5.d	LC-C18
ZZZZZ		09/04/2009 14:46	1		LC-C18
ZZZZZ		09/04/2009 14:58	1		LC-C18
ZZZZZ		09/04/2009 15:10	1		LC-C18
360-24417-4	OC-SB-464-0.0/1.0-XXX	09/04/2009 15:22	1	1I04I9.d	LC-C18
360-24417-5	OC-SB-464-26/28-XXX	09/04/2009 15:33	1	1I04I10.d	LC-C18
360-24417-6	OC-SB-464-5.0/7.0-XXX	09/04/2009 15:45	1	1I04I11.d	LC-C18
360-24417-7	OC-SB-465-0.0/1.0-XXX	09/04/2009 15:57	1	1I04I12.d	LC-C18
360-24417-8	OC-SB-465-16/18-XXX	09/04/2009 16:09	1	1I04I13.d	LC-C18
360-24417-9	OC-SB-465-8.0/10-DUP	09/04/2009 16:21	1	1I04I14.d	LC-C18
360-24417-10	OC-SB-465-8.0/10-XXX	09/04/2009 16:32	1	1I04I15.d	LC-C18
CCVRT 640-60685/7		09/04/2009 16:44	1	1I04I16.d	LC-C18
360-24417-10 MS	OC-SB-465-8.0/10-XXX MS	09/04/2009 16:56	1	1I04I17.d	LC-C18
360-24417-10 MSD	OC-SB-465-8.0/10-XXX MSD	09/04/2009 17:08	1	1I04I18.d	LC-C18
360-24417-11	OC-SB-468-0.0/1.0-XXX	09/04/2009 17:20	1	1I04I19.d	LC-C18
360-24417-12	OC-SB-468-31/33-XXX	09/04/2009 17:32	1	1I04I20.d	LC-C18
360-24417-13	OC-SB-468-8.0/10-XXX	09/04/2009 17:43	1	1I04I21.d	LC-C18
360-24417-14	OC-SB-471-0.0/1.0-XXX	09/04/2009 17:55	1	1I04I22.d	LC-C18
360-24417-15	OC-SB-471-3.0/5.0-XXX	09/04/2009 18:07	1	1I04I23.d	LC-C18
360-24417-16	OC-SB-471-26/28-XXX	09/04/2009 18:19	1	1I04I24.d	LC-C18
ZZZZZ		09/04/2009 18:31	1		LC-C18
ZZZZZ		09/04/2009 18:42	1		LC-C18
ZZZZZ		09/04/2009 18:54	1		LC-C18
ZZZZZ		09/04/2009 19:06	1		LC-C18
ZZZZZ		09/04/2009 19:18	1		LC-C18
CCVRT 640-60685/23		09/04/2009 19:30	1	1I04I30.d	LC-C18

8315A

Organic Prep Worksheet

Batch Number: 640-60432
Method: 8315_S_Prep
Analyst: Smith, Daniel N

Date Open: Sep 04 2009 7:35AM
Batch End: Sep 04 2009 2:15PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Final pH	LCS8315SPK_00009
MB~640-60432/1		8315_S_Prep, 8315A		20.0 g	4.0 mL	5	
LCS~640-60432/2		8315_S_Prep, 8315A		20.0 g	4.0 mL	5	150 uL
LCSD~640-60432/3		8315_S_Prep, 8315A		20.0 g	4.0 mL	5	150 uL
360-24365-E-13	OC-SB-458-0.0/1.0-XXX		T	20.1 g	4.0 mL	5	
360-24365-E-14	OC-SB-458-22/24-XXX		T	20.2 g	4.0 mL	5	
360-24365-E-15	OC-SB-458-5.0/7.0-XXX		T	20.0 g	4.0 mL	5	
360-24417-F-4	OC-SB-464-0.0/1.0-XXX	8315_S_Prep, 8315A	T	20.1 g	4.0 mL	5	
360-24417-F-5	OC-SB-464-26/28-XXX	8315_S_Prep, 8315A	T	20.1 g	4.0 mL	5	
360-24417-F-6	OC-SB-464-5.0/7.0-XXX	8315_S_Prep, 8315A	T	20.3 g	4.0 mL	5	
360-24417-F-7	OC-SB-465-0.0/1.0-XXX	8315_S_Prep, 8315A	T	20.4 g	4.0 mL	5	
360-24417-F-8	OC-SB-465-16/18-XXX	8315_S_Prep, 8315A	T	20.4 g	4.0 mL	5	
360-24417-F-9	OC-SB-465-8.0/10-DUP	8315_S_Prep, 8315A	T	20.4 g	4.0 mL	5	
360-24417-F-10	OC-SB-465-8.0/10-XXX	8315_S_Prep, 8315A	T	20.1 g	4.0 mL	5	
360-24417-F-10~MS	OC-SB-465-8.0/10-XMS	8315_S_Prep, 8315A	T	20.4 g	4.0 mL	5	150 uL
360-24417-F-10~MSD	OC-SB-465-8.0/10-MSD	8315_S_Prep, 8315A	T	20.1 g	4.0 mL	5	150 uL
360-24417-F-11	OC-SB-468-0.0/1.0-XXX	8315_S_Prep, 8315A	T	20.4 g	4.0 mL	5	
360-24417-F-12	OC-SB-468-31/33-XXX	8315_S_Prep, 8315A	T	20.0 g	4.0 mL	5	
360-24417-F-13	OC-SB-468-8.0/10-XXX	8315_S_Prep, 8315A	T	20.0 g	4.0 mL	5	
360-24417-F-14	OC-SB-471-0.0/1.0-XXX	8315_S_Prep, 8315A	T	20.0 g	4.0 mL	5	
360-24417-F-15	OC-SB-471-3.0/5.0-XXX	8315_S_Prep, 8315A	T	20.6 g	4.0 mL	5	
360-24417-F-16	OC-SB-471-26/28-XXX	8315_S_Prep, 8315A	T	20.5 g	4.0 mL	5	

Acetate Buffer Lot #:	LCR1-38-1	HPLC H2O Lot#:	090409
Acetonitrile Lot#:	A16815; MeOH H06E30	Saturated NaCl Lot#:	LCR1-40-
DNPH Lot#:	LCR1-38-6	Person's name who witnessed reagent drop:	DS
HPLC 8315 Soil Buffer Lot#:	090409A		

Organic Prep Worksheet

Batch Number: 640-60432
Method: 8315_S_Prep
Analyst: Smith, Daniel N

Date Open: Sep 04 2009 7:35AM
Batch End: Sep 04 2009 2:15PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~640-60432/1		8315_S_Prep, 8315A		
LCS~640-60432/2		8315_S_Prep, 8315A		
LCSD~640-60432/3		8315_S_Prep, 8315A		
360-24365-E-13	OC-SB-458-0.0/1.0-XXX		T	
360-24365-E-14	OC-SB-458-22/24-XXX		T	
360-24365-E-15	OC-SB-458-5.0/7.0-XXX		T	
360-24417-F-4	OC-SB-464-0.0/1.0-XXX	8315_S_Prep, 8315A	T	
360-24417-F-5	OC-SB-464-26/28-XXX	8315_S_Prep, 8315A	T	
360-24417-F-6	OC-SB-464-5.0/7.0-XXX	8315_S_Prep, 8315A	T	
360-24417-F-7	OC-SB-465-0.0/1.0-XXX	8315_S_Prep, 8315A	T	
360-24417-F-8	OC-SB-465-16/18-XXX	8315_S_Prep, 8315A	T	
360-24417-F-9	OC-SB-465-8.0/10-DUP	8315_S_Prep, 8315A	T	
360-24417-F-10	OC-SB-465-8.0/10-XXX	8315_S_Prep, 8315A	T	
360-24417-F-10~MS	OC-SB-465-8.0/10-XMS	8315_S_Prep, 8315A	T	
360-24417-F-10~MSD	OC-SB-465-8.0/10-MSD	8315_S_Prep, 8315A	T	
360-24417-F-11	OC-SB-468-0.0/1.0-XXX	8315_S_Prep, 8315A	T	
360-24417-F-12	OC-SB-468-31/33-XXX	8315_S_Prep, 8315A	T	
360-24417-F-13	OC-SB-468-8.0/10-XXX	8315_S_Prep, 8315A	T	
360-24417-F-14	OC-SB-471-0.0/1.0-XXX	8315_S_Prep, 8315A	T	
360-24417-F-15	OC-SB-471-3.0/5.0-XXX	8315_S_Prep, 8315A	T	
360-24417-F-16	OC-SB-471-26/28-XXX	8315_S_Prep, 8315A	T	

Batch Comment: 8315A

LC65

Maleic and Phthalic Acid (DAI/HLPC) by Method LC65

FORM III
HPLC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: 1I09J4.d

Lab ID: LCS 640-60434/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Phthalic Acid/Phthalic anhydride	400	250	63	60-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III LC65

FORM III
HPLC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: 1I09J5.d

Lab ID: LCSD 640-60434/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Phthalic Acid/Phthalic anhydride	400	263	66	5	50	60-140	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III LC65

FORM III
HPLC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: 1I09J13.d

Lab ID: 360-24417-10 MS Client ID: OC-SB-465-8.0/10-XXX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Phthalic Acid/Phthalic anhydride	431	ND	251	58	60-140	F

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III LC65

FORM III
HPLC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Level: Low Lab File ID: 1I09J14.d

Lab ID: 360-24417-10 MSD Client ID: OC-SB-465-8.0/10-XXX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Phthalic Acid/Phthalic anhydride	427	223	52	12	50	60-140	F

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III LC65

FORM IV
HPLC METHOD BLANK SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab File ID: 1I09J3.d Lab Sample ID: MB 640-60434/1-A

Matrix: Solid Date Extracted: 09/08/2009 07:40

Instrument ID: LCJ Date Analyzed: 09/09/2009 14:58

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 640-60434/2-A	1I09J4.d	09/09/2009 15:11
	LCSD 640-60434/3-A	1I09J5.d	09/09/2009 15:24
OC-SB-464-0.0/1.0-XXX	360-24417-4	1I09J6.d	09/09/2009 15:37
OC-SB-464-5.0/7.0-XXX	360-24417-6	1I09J8.d	09/09/2009 16:02
OC-SB-465-0.0/1.0-XXX	360-24417-7	1I09J9.d	09/09/2009 16:15
OC-SB-465-8.0/10-DUP	360-24417-9	1I09J11.d	09/09/2009 16:41
OC-SB-465-8.0/10-XXX	360-24417-10	1I09J12.d	09/09/2009 16:54
OC-SB-465-8.0/10-XXX MS	360-24417-10 MS	1I09J13.d	09/09/2009 17:07
OC-SB-465-8.0/10-XXX MSD	360-24417-10 MSD	1I09J14.d	09/09/2009 17:19
OC-SB-468-0.0/1.0-XXX	360-24417-11	1I09J15.d	09/09/2009 17:32
OC-SB-468-8.0/10-XXX	360-24417-13	1I09J17.d	09/09/2009 17:58
OC-SB-471-0.0/1.0-XXX	360-24417-14	1I09J19.d	09/09/2009 18:24
OC-SB-471-3.0/5.0-XXX	360-24417-15	1I09J20.d	09/09/2009 18:37

FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-0.0/1.0-XXX Lab Sample ID: 360-24417-4

Matrix: Solid Lab File ID: 1I09J6.d

Analysis Method: LC65 Date Collected: 09/01/2009 15:50

Extract. Method: LC65 Date Extracted: 09/08/2009 07:40

Sample wt/vol: 5.30(g) Date Analyzed: 09/09/2009 15:37

Con. Extract Vol.: 4.0(mL) Dilution Factor: 1

Injection Volume: 20(uL) Level: (low/med) Low

% Moisture: 5.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 60681 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		100	18

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J6.d
Lab Smp Id: 360-24417-F-4-B Client Smp ID: OC-SB-464-0.0/1.0-X
Inj Date : 09-SEP-2009 15:37
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-24417-F-4-B
Misc Info : 360-24417-F-4-B
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 09-Sep-2009 16:33 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: Phal06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.300	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

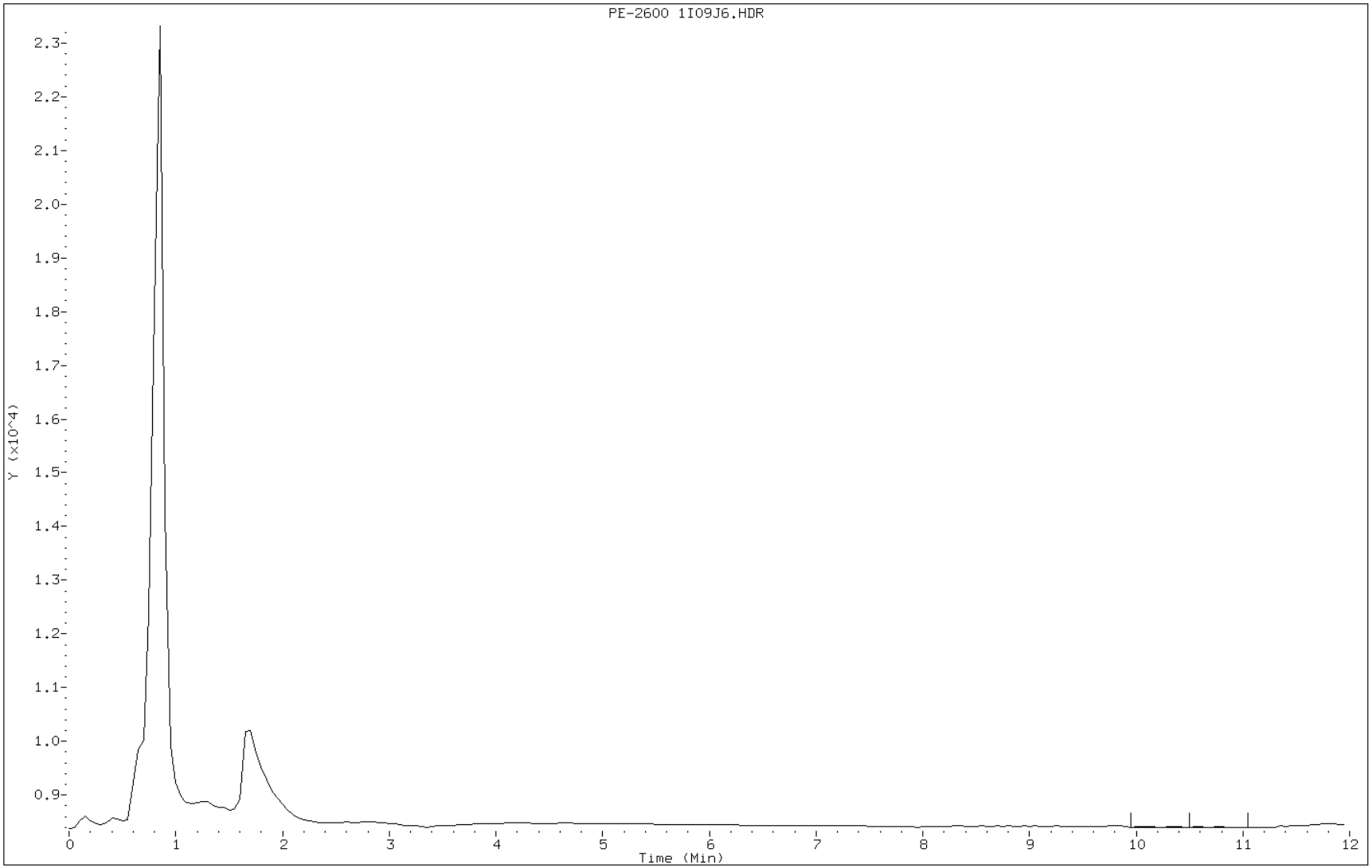
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	Compound Not Detected.						

Data File: 1I09J6.d

Date: 09-SEP-2009 15:37

Client ID: OC-SB-464-0.0/1.0-X Instrument: TLCJUV1.i

Sample Info: 360-24417-F-4-B Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-464-5.0/7.0-XXX | Lab Sample ID: 360-24417-6

Matrix: Solid | Lab File ID: 1I09J8.d

Analysis Method: LC65 | Date Collected: 09/01/2009 16:50

Extract. Method: LC65 | Date Extracted: 09/08/2009 07:40

Sample wt/vol: 5.00(g) | Date Analyzed: 09/09/2009 16:02

Con. Extract Vol.: 4.0(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | Level: (low/med) Low

% Moisture: 12.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 60681 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		110	21

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J8.d
Lab Smp Id: 360-24417-F-6-B Client Smp ID: OC-SB-464-5.0/7.0-X
Inj Date : 09-SEP-2009 16:02
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-24417-F-6-B
Misc Info : 360-24417-F-6-B
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 09-Sep-2009 16:33 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: Phal06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.000	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

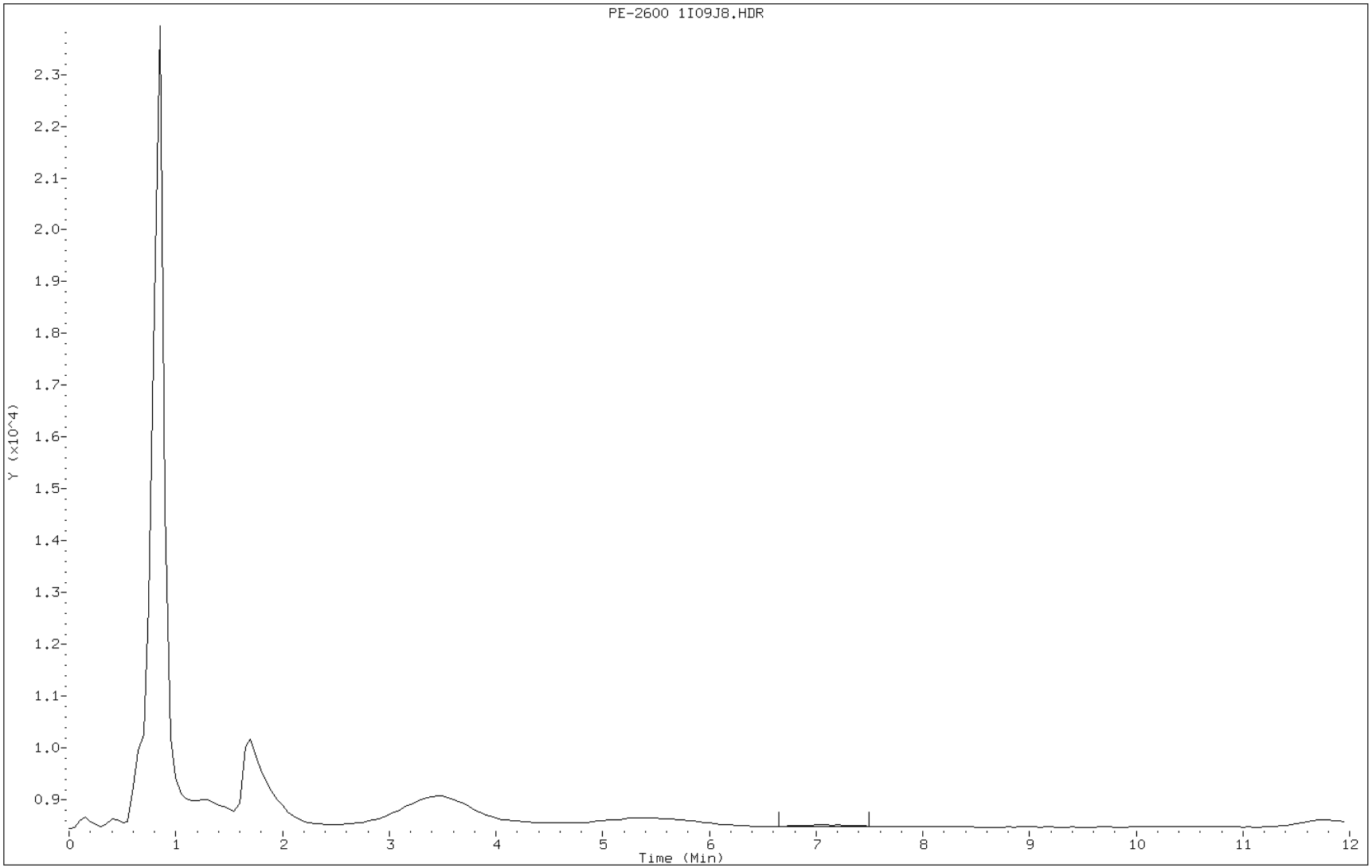
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	Compound Not Detected.						

Data File: 1I09J8.d

Date: 09-SEP-2009 16:02

Client ID: OC-SB-464-5.0/7.0-X Instrument: TLCJUV1.i

Sample Info: 360-24417-F-6-B Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-0.0/1.0-XXX | Lab Sample ID: 360-24417-7

Matrix: Solid | Lab File ID: 1I09J9.d

Analysis Method: LC65 | Date Collected: 09/02/2009 07:35

Extract. Method: LC65 | Date Extracted: 09/08/2009 07:40

Sample wt/vol: 5.34(g) | Date Analyzed: 09/09/2009 16:15

Con. Extract Vol.: 4.0(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | Level: (low/med) Low

% Moisture: 5.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 60681 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		99	18

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J9.d
Lab Smp Id: 360-24417-F-7-B Client Smp ID: OC-SB-465-0.0/1.0-X
Inj Date : 09-SEP-2009 16:15
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-24417-F-7-B
Misc Info : 360-24417-F-7-B
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 09-Sep-2009 16:33 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: Phal06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.340	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

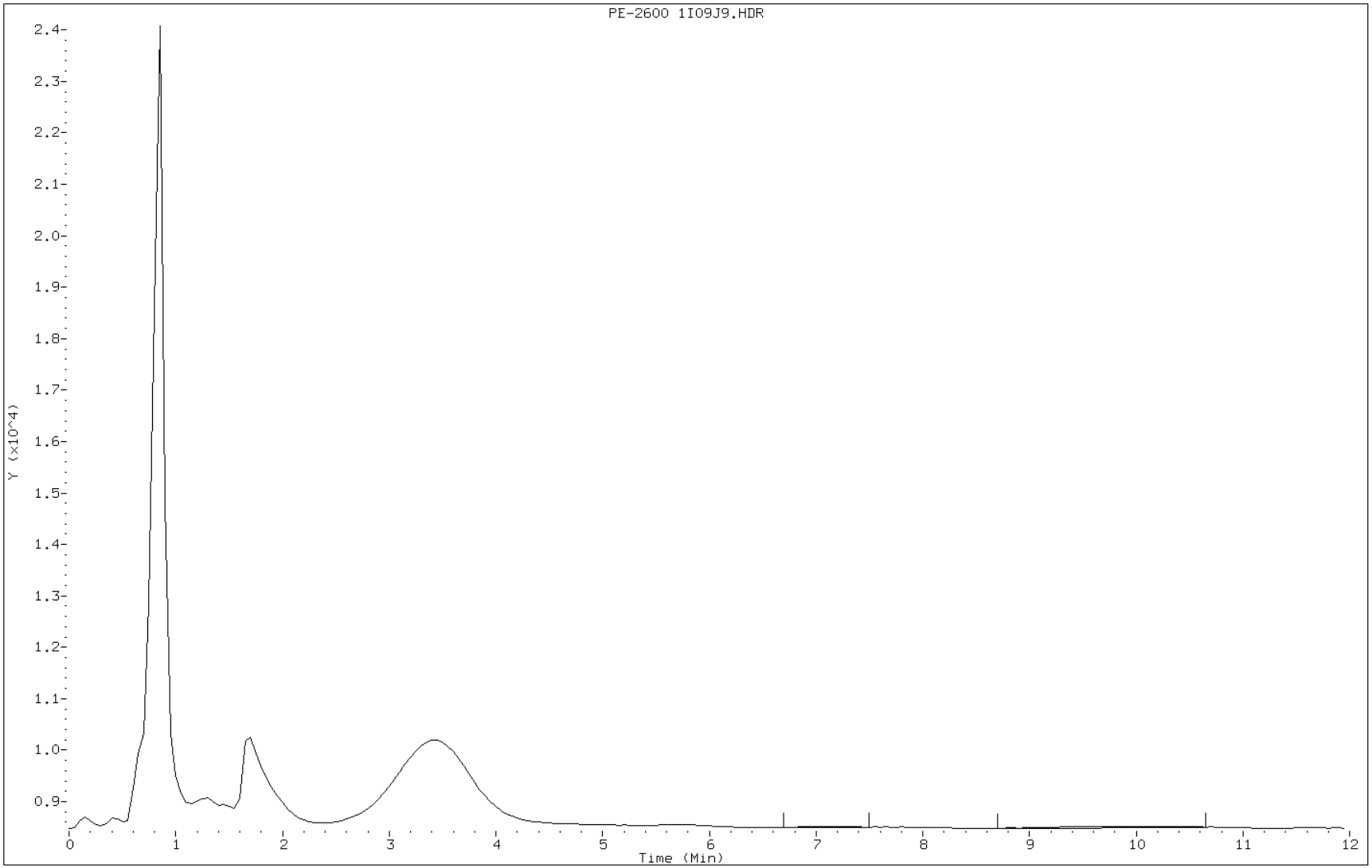
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	Compound Not Detected.						

Data File: 1I09J9.d

Date: 09-SEP-2009 16:15

Client ID: OC-SB-465-0.0/1.0-X Instrument: TLCJUV1.i

Sample Info: 360-24417-F-7-B Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-DUP Lab Sample ID: 360-24417-9

Matrix: Solid Lab File ID: 1I09J11.d

Analysis Method: LC65 Date Collected: 09/02/2009 07:45

Extract. Method: LC65 Date Extracted: 09/08/2009 07:40

Sample wt/vol: 5.36(g) Date Analyzed: 09/09/2009 16:41

Con. Extract Vol.: 4.0(mL) Dilution Factor: 1

Injection Volume: 20(uL) Level: (low/med) Low

% Moisture: 11.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 60681 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		100	19

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J11.d
Lab Smp Id: 360-24417-F-9-B Client Smp ID: OC-SB-465-8.0/10-DU
Inj Date : 09-SEP-2009 16:41
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-24417-F-9-B
Misc Info : 360-24417-F-9-B
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 09-Sep-2009 16:33 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: Phal06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.360	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

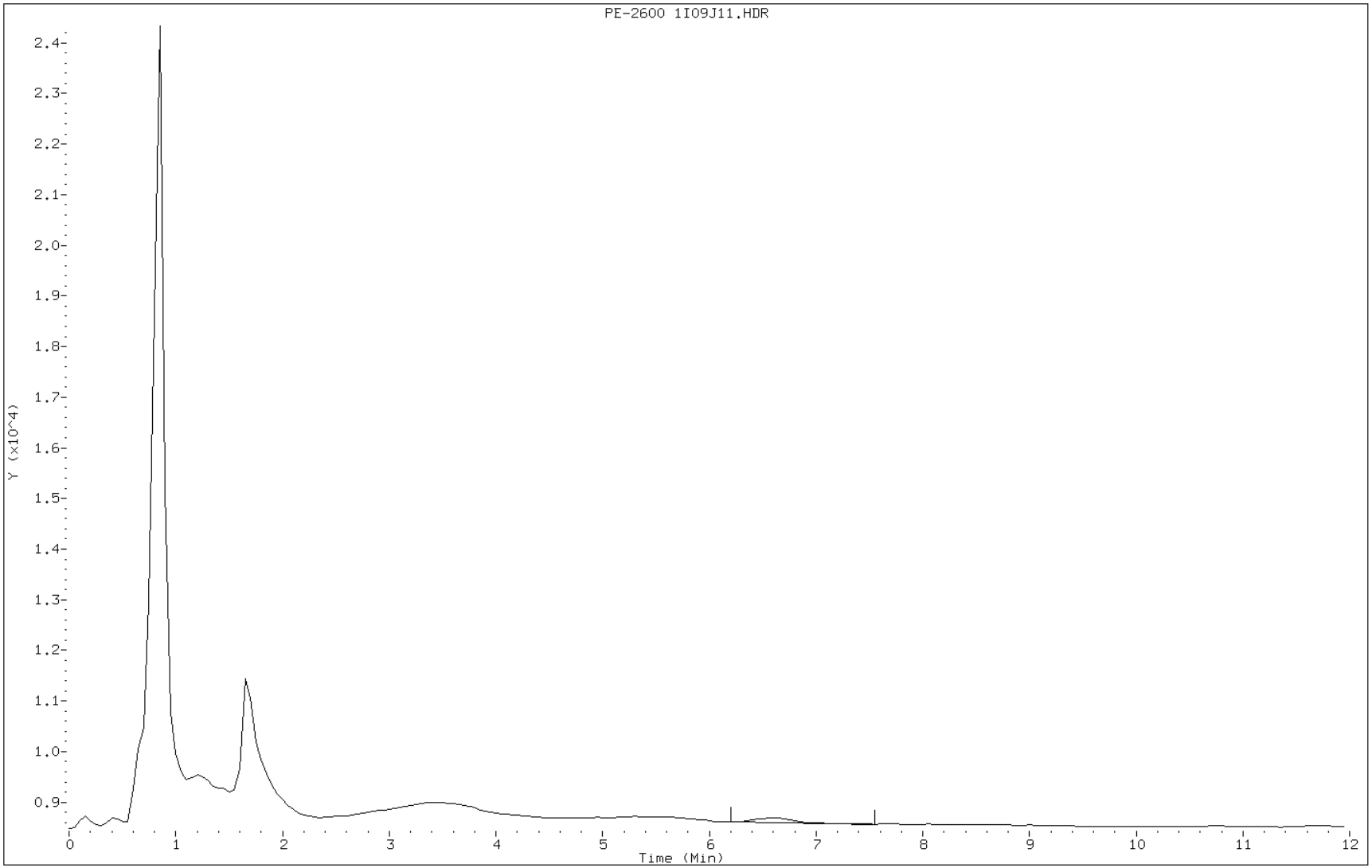
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	Compound Not Detected.						

Data File: 1I09J11.d

Date: 09-SEP-2009 16:41

Client ID: OC-SB-465-8.0/10-DU Instrument: TLCJUV1.i

Sample Info: 360-24417-F-9-B Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX Lab Sample ID: 360-24417-10

Matrix: Solid Lab File ID: 1I09J12.d

Analysis Method: LC65 Date Collected: 09/02/2009 07:45

Extract. Method: LC65 Date Extracted: 09/08/2009 07:40

Sample wt/vol: 5.11(g) Date Analyzed: 09/09/2009 16:54

Con. Extract Vol.: 4.0(mL) Dilution Factor: 1

Injection Volume: 20(uL) Level: (low/med) Low

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

Analysis Batch No.: 60681 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		110	20

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J12.d
Lab Smp Id: 360-24417-F-10-D Client Smp ID: OC-SB-465-8.0/10-XX
Inj Date : 09-SEP-2009 16:54
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-24417-F-10-D
Misc Info : 360-24417-F-10-D
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 09-Sep-2009 16:33 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: Phal06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.110	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

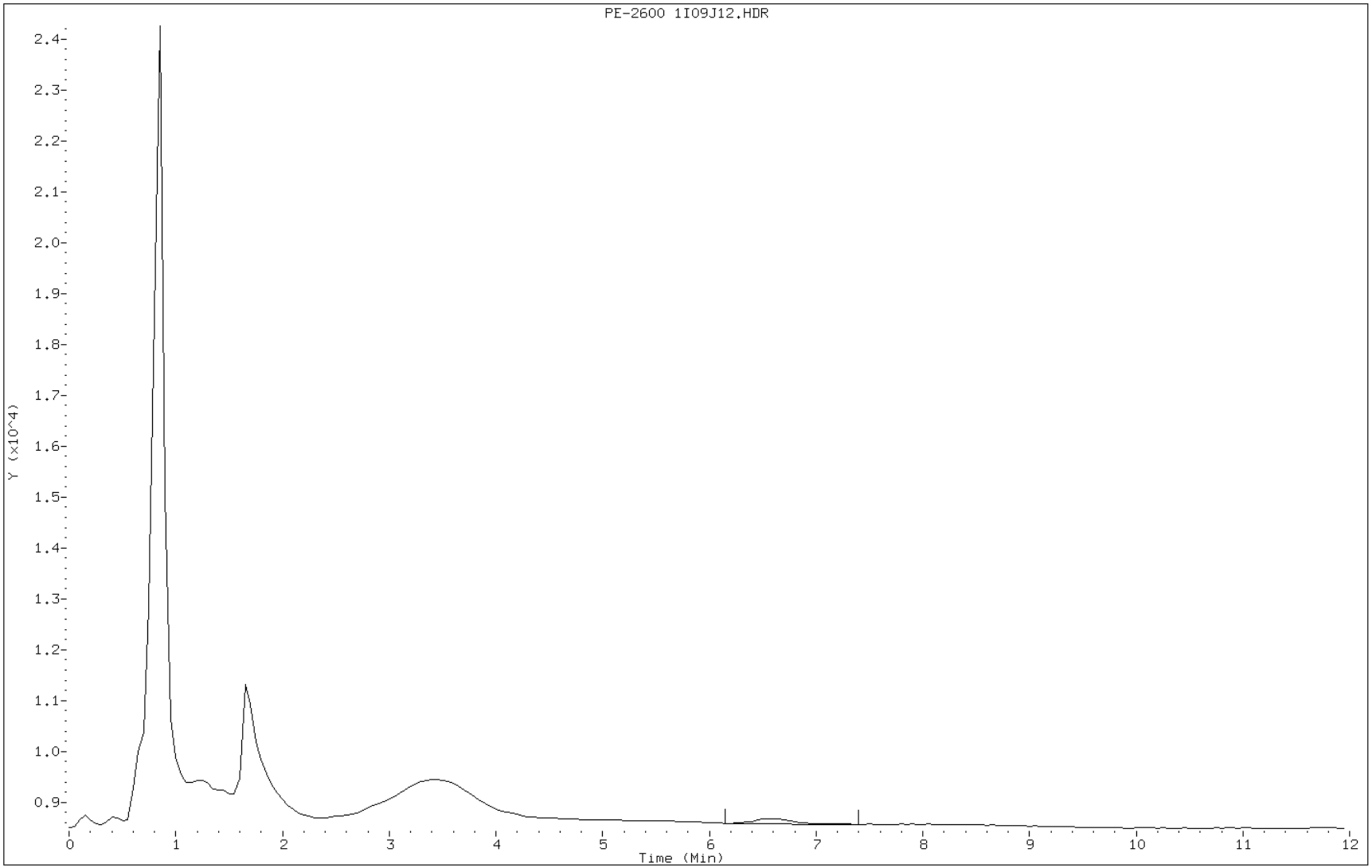
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	Compound Not Detected.						

Data File: 1I09J12.d

Date: 09-SEP-2009 16:54

Client ID: OC-SB-465-8.0/10-XX Instrument: TLCJUV1.i

Sample Info: 360-24417-F-10-D Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-0.0/1.0-XXX | Lab Sample ID: 360-24417-11

Matrix: Solid | Lab File ID: 1I09J15.d

Analysis Method: LC65 | Date Collected: 09/02/2009 10:05

Extract. Method: LC65 | Date Extracted: 09/08/2009 07:40

Sample wt/vol: 5.12(g) | Date Analyzed: 09/09/2009 17:32

Con. Extract Vol.: 4.0(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | Level: (low/med) Low

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 60681 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		110	20

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J15.d
Lab Smp Id: 360-24417-F-11-B Client Smp ID: OC-SB-468-0.0/1.0-X
Inj Date : 09-SEP-2009 17:32
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-24417-F-11-B
Misc Info : 360-24417-F-11-B
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 09-Sep-2009 16:33 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: Phal06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.120	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

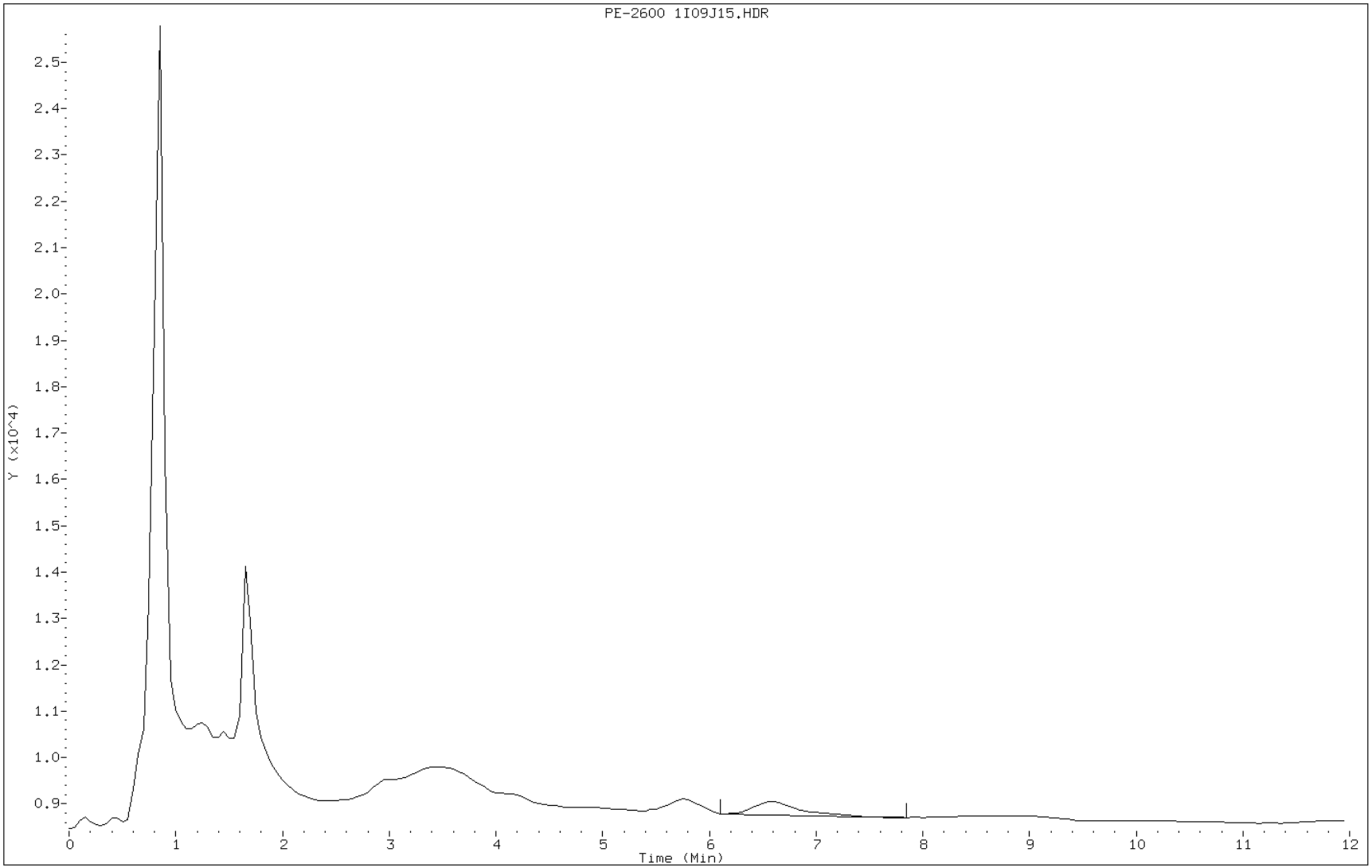
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	Compound Not Detected.						

Data File: 1I09J15.d

Date: 09-SEP-2009 17:32

Client ID: OC-SB-468-0.0/1.0-X Instrument: TLCJUV1.i

Sample Info: 360-24417-F-11-B Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-468-8.0/10-XXX | Lab Sample ID: 360-24417-13

Matrix: Solid | Lab File ID: 1I09J17.d

Analysis Method: LC65 | Date Collected: 09/02/2009 10:10

Extract. Method: LC65 | Date Extracted: 09/08/2009 07:40

Sample wt/vol: 5.34(g) | Date Analyzed: 09/09/2009 17:58

Con. Extract Vol.: 4.0(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | Level: (low/med) Low

% Moisture: 12.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 60681 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		110	19

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J17.d
Lab Smp Id: 360-24417-F-13-B Client Smp ID: OC-SB-468-8.0/10-XX
Inj Date : 09-SEP-2009 17:58
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-24417-F-13-B
Misc Info : 360-24417-F-13-B
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 10-Sep-2009 09:24 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: Phal06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.340	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

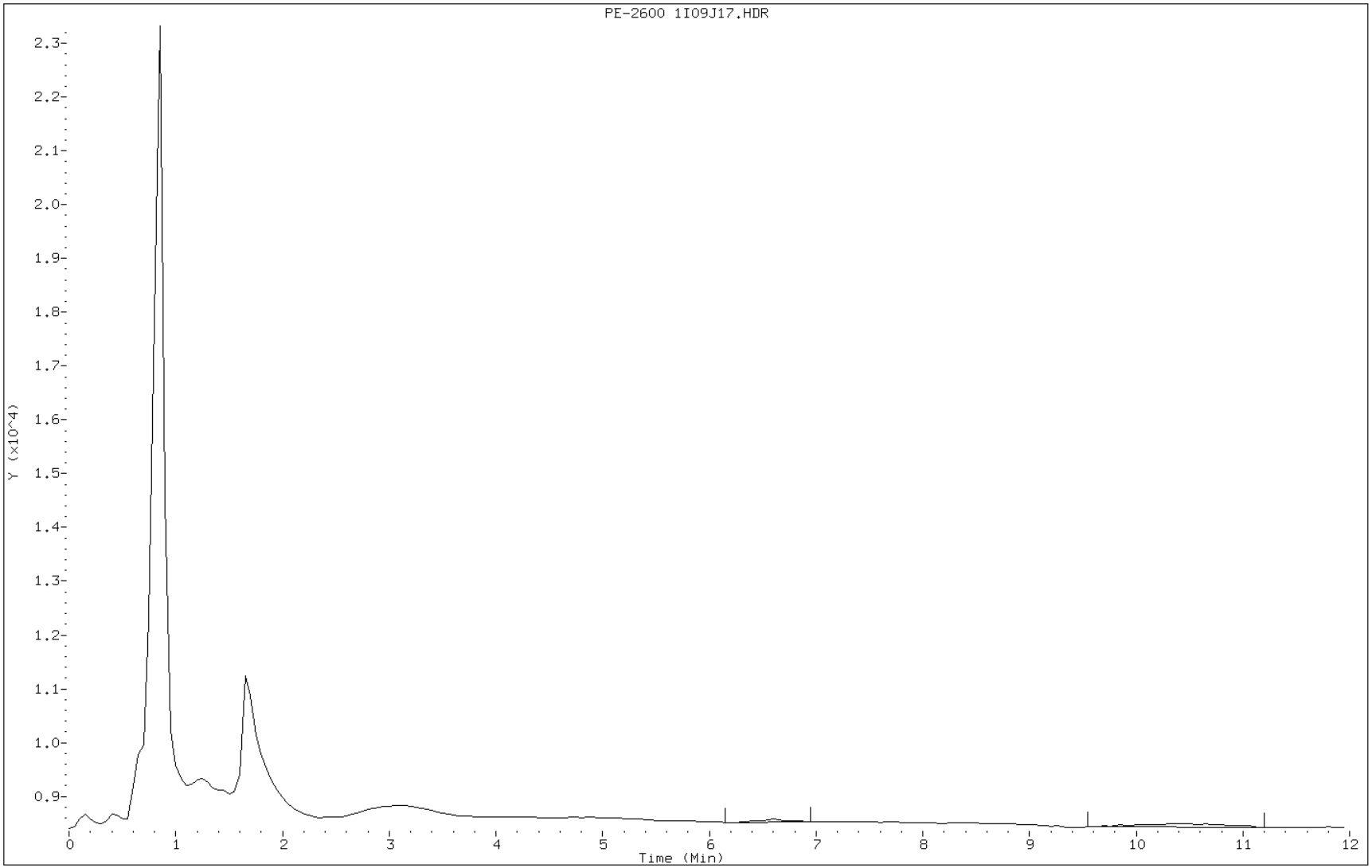
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	Compound Not Detected.						

Data File: 1I09J17.d

Date: 09-SEP-2009 17:58

Client ID: OC-SB-468-8.0/10-XX Instrument: TLCJUV1.i

Sample Info: 360-24417-F-13-B Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-0.0/1.0-XXX | Lab Sample ID: 360-24417-14

Matrix: Solid | Lab File ID: 1I09J19.d

Analysis Method: LC65 | Date Collected: 09/02/2009 13:15

Extract. Method: LC65 | Date Extracted: 09/08/2009 07:40

Sample wt/vol: 5.36(g) | Date Analyzed: 09/09/2009 18:24

Con. Extract Vol.: 4.0(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | Level: (low/med) Low

% Moisture: 8.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 60681 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		100	18

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J19.d
Lab Smp Id: 360-24417-F-14-B Client Smp ID: OC-471-0.0/1.0-XXX
Inj Date : 09-SEP-2009 18:24
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-24417-F-14-B
Misc Info : 360-24417-F-14-B
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 10-Sep-2009 09:26 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: Phal06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.360	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

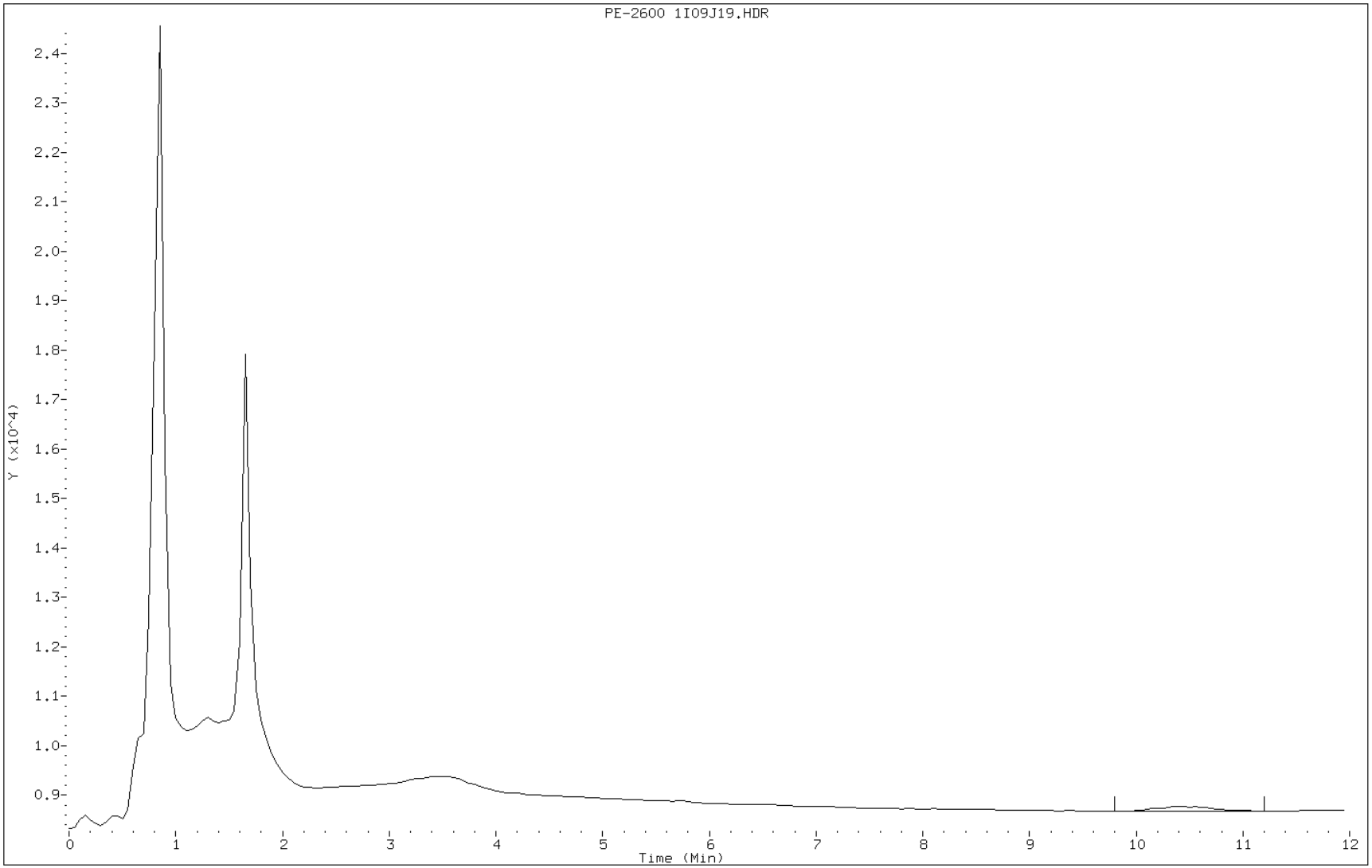
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	Compound Not Detected.						

Data File: 1I09J19.d

Date: 09-SEP-2009 18:24

Client ID: OC-471-0.0/1.0-XXX Instrument: TLCJUV1.i

Sample Info: 360-24417-F-14-B Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-471-3.0/5.0-XXX | Lab Sample ID: 360-24417-15

Matrix: Solid | Lab File ID: 1I09J20.d

Analysis Method: LC65 | Date Collected: 09/02/2009 13:30

Extract. Method: LC65 | Date Extracted: 09/08/2009 07:40

Sample wt/vol: 5.12(g) | Date Analyzed: 09/09/2009 18:37

Con. Extract Vol.: 4.0(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | Level: (low/med) Low

% Moisture: 18.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 60681 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		120	22

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J20.d
Lab Smp Id: 360-24417-F-15-B Client Smp ID: OC-471-3.0/5.0-XXX
Inj Date : 09-SEP-2009 18:37
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-24417-F-15-B
Misc Info : 360-24417-F-15-B
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 10-Sep-2009 09:26 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: Phal06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.120	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

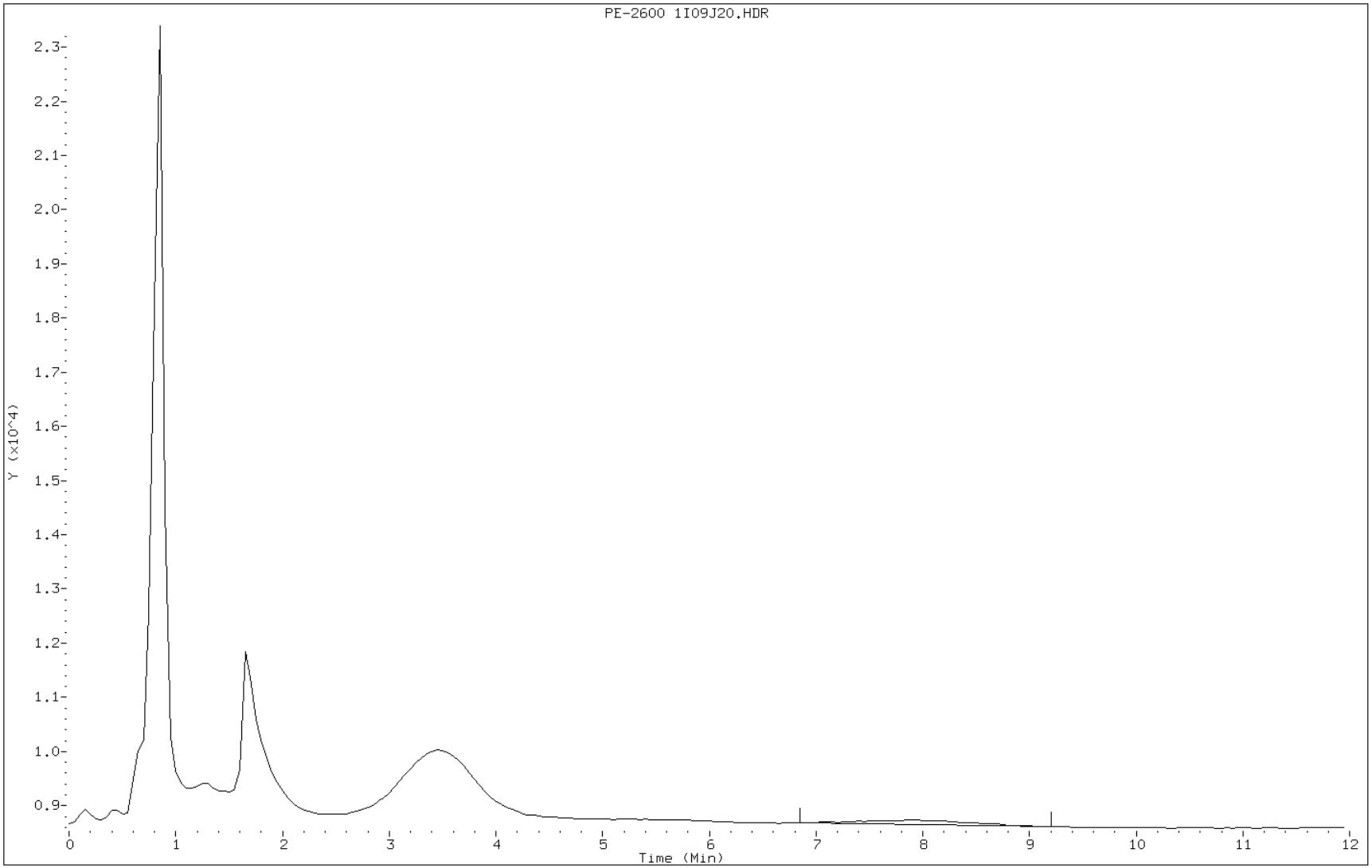
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	Compound Not Detected.						

Data File: 1I09J20.d

Date: 09-SEP-2009 18:37

Client ID: OC-471-3.0/5.0-XXX Instrument: TLCJUV1.i

Sample Info: 360-24417-F-15-B Operator: RD



FORM VI
HPLC INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1 Analy Batch No.: 60307

SDG No.: OCRI-10

Instrument ID: LCJ GC Column: LC-ANEX ID: Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2009 15:44 Calibration End Date: 07/23/2009 16:10 Calibration ID: 267

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-60307/5	1G23J2.d
Level 2	IC 640-60307/6	1G23J3.d
Level 3	IC 640-60307/7	1G23J4.d

ANALYTE	LVL 1	LVL 2	LVL 3								RT WINDOW	AVG RT
Phthalic Acid/Phthalic anhydride	7.310	7.304	7.239								6.939 - 7.669	7.284
Maleic Acid/Maleic anhydride	9.331	9.326	9.322								8.865 - 9.798	9.326

FORM VI
HPLC INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1 Analy Batch No.: 60307

SDG No.: OCRI-10

Instrument ID: LCJ GC Column: LC-ANEX ID: Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2009 15:44 Calibration End Date: 07/23/2009 16:10 Calibration ID: 267

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-60307/5	1G23J2.d
Level 2	IC 640-60307/6	1G23J3.d
Level 3	IC 640-60307/7	1G23J4.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3			B	M1	M2								
Phthalic Acid/Phthalic	5520.0	5610.0	5794.1		Ave		5641				2.5		10.0			
Maleic Acid/Maleic	3640.0	3628.0	3562.0		Ave		3610				1.2		10.0			

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

FORM VI
HPLC INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1 Analy Batch No.: 60307

SDG No.: OCRI-10

Instrument ID: LCJ GC Column: LC-ANEX ID: Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2009 15:44 Calibration End Date: 07/23/2009 16:10 Calibration ID: 267

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 640-60307/5	1G23J2.d
Level 2	IC 640-60307/6	1G23J3.d
Level 3	IC 640-60307/7	1G23J4.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
Phthalic Acid/Phthalic anhydride	Ave	552	2805	57941			0.100	0.500	10.0		
Maleic Acid/Maleic anhydride	Ave	364	1814	35620			0.100	0.500	10.0		

Curve Type Legend:
Ave = Average by Height

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JG239.b\1G23J2.d
Lab Smp Id: C1.4-13-17-7 Client Smp ID: C1.4-13-17-7
Inj Date : 23-JUL-2009 15:44
Operator : DS Inst ID: TLCJUV1.i
Smp Info : C1.4-13-17-7
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JG239.b\PHTH-MAL-ANEX.m
Meth Date : 24-Jul-2009 08:38 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 15:44 Cal File: 1G23J2.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

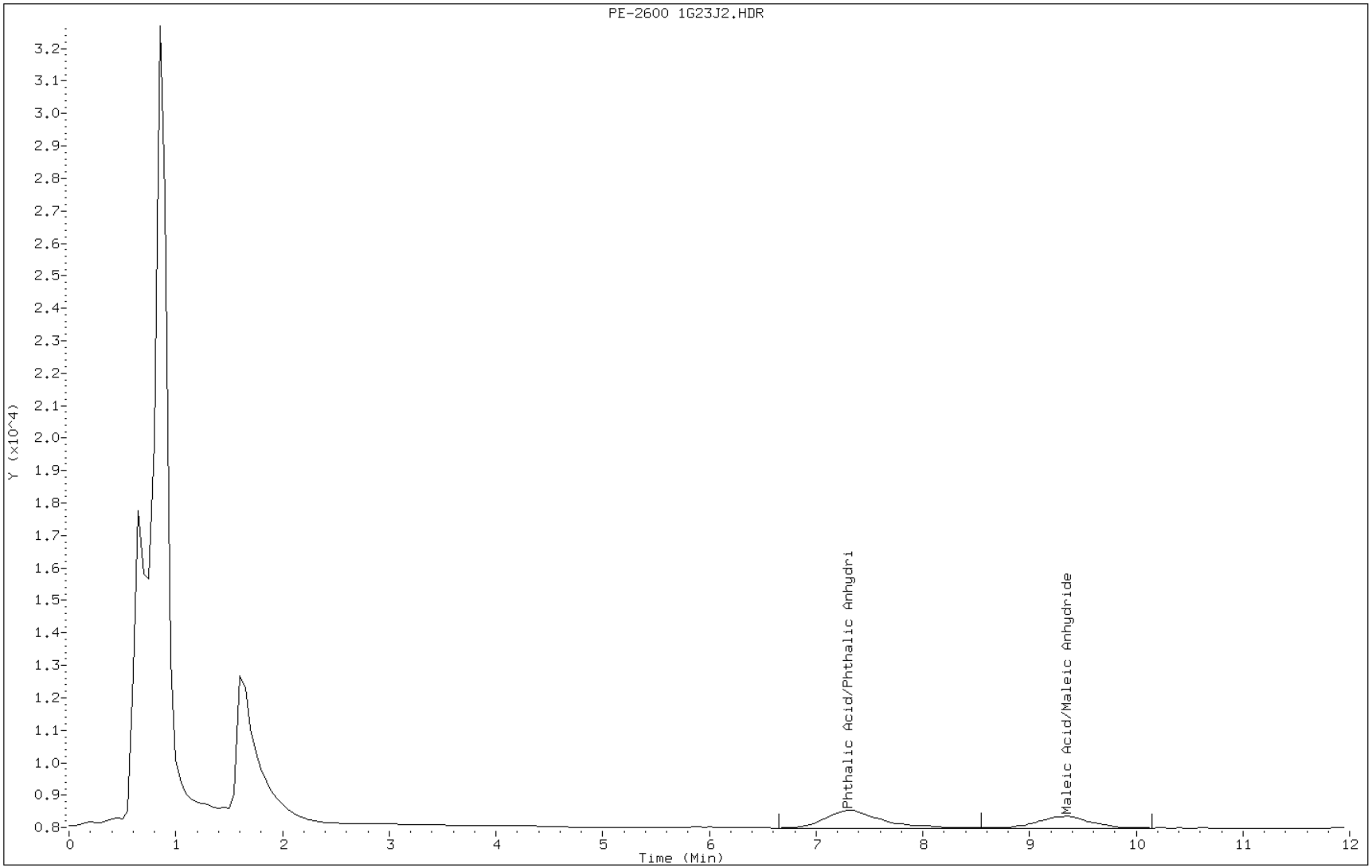
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	7.310	7.310	0.000	6803	0.10000	0.100	
2 Maleic Acid/Maleic Anhydride	9.330	9.330	0.000	364	0.10000	0.100	

Data File: 1G23J2.d

Date: 23-JUL-2009 15:44

Client ID: C1.4-13-17-7 Instrument: TLCJUV1.i

Sample Info: C1.4-13-17-7 Operator: DS



TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JG239.b\1G23J3.d
Lab Smp Id: C2.4-13-17-8 Client Smp ID: C2.4-13-17-8
Inj Date : 23-JUL-2009 15:57
Operator : DS Inst ID: TLCJUV1.i
Smp Info : C2.4-13-17-8
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JG239.b\PHTH-MAL-ANEX.m
Meth Date : 24-Jul-2009 08:38 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 15:57 Cal File: 1G23J3.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

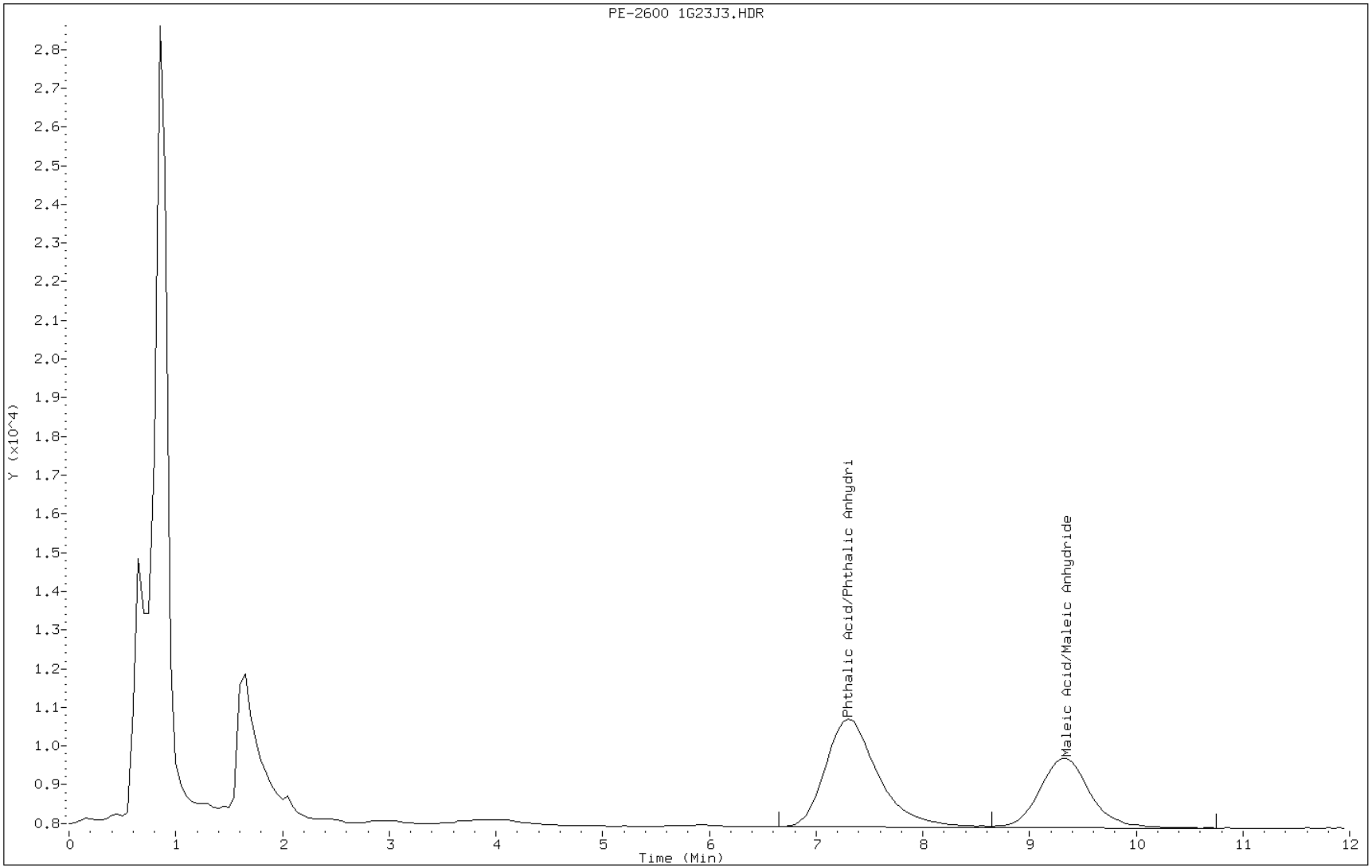
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	7.304	7.304	0.000	31733	0.50000	0.483	
2 Maleic Acid/Maleic Anhydride	9.325	9.325	0.000	1814	0.50000	0.499	

Data File: 1G23J3.d

Date: 23-JUL-2009 15:57

Client ID: C2.4-13-17-8 Instrument: TLCJUV1.i

Sample Info: C2.4-13-17-8 Operator: DS



TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JG239.b\1G23J4.d
Lab Smp Id: C3.4-13-17-9 Client Smp ID: C3.4-13-17-9
Inj Date : 23-JUL-2009 16:10
Operator : DS Inst ID: TLCJUV1.i
Smp Info : C3.4-13-17-9
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JG239.b\PHTH-MAL-ANEX.m
Meth Date : 24-Jul-2009 08:38 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

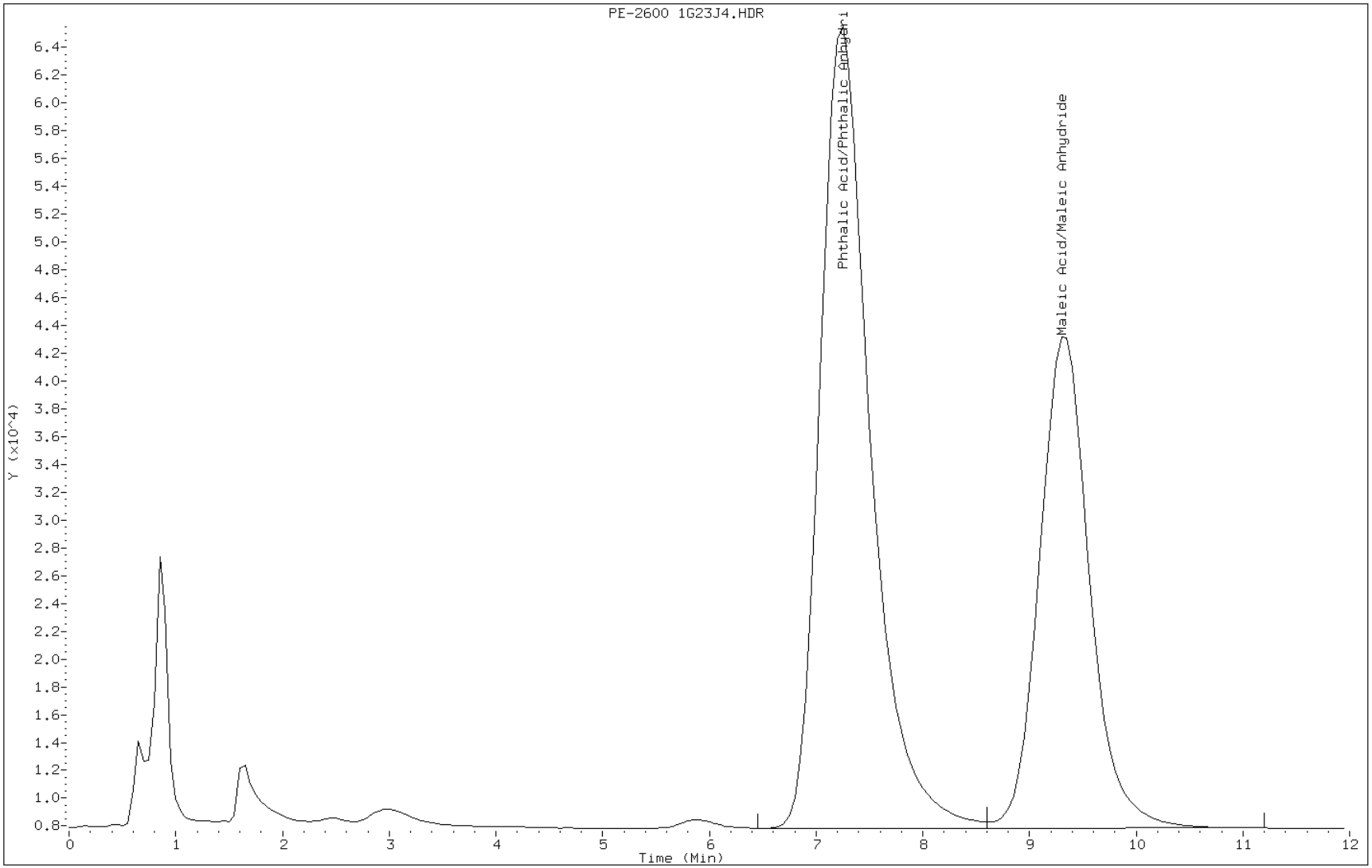
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	7.239	7.239	0.000	628915	10.0000	9.71	
2 Maleic Acid/Maleic Anhydride	9.322	9.322	0.000	35620	10.0000	9.87	

Data File: 1G23J4.d

Date: 23-JUL-2009 16:10

Client ID: C3.4-13-17-9 Instrument: TLCJUV1.i

Sample Info: C3.4-13-17-9 Operator: DS



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: ICV 640-60307/8 Calibration Date: 07/23/2009 16:23

Instrument ID: LCJ Calib Start Date: 07/23/2009 15:44

GC Column: LC-ANEX ID: Calib End Date: 07/23/2009 16:10

Lab File ID: 1G23J5.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phthalic Acid/Phthalic anhydride	Ave	3385	5725		0.500	0.497	1.5	10.0
Maleic Acid/Maleic anhydride	Ave	2166	3784		0.520	0.500	4.8	10.0

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: ICV 640-60307/8 Calibration Date: 07/23/2009 16:23

Instrument ID: LCJ Calib Start Date: 07/23/2009 15:44

GC Column: LC-ANEX ID: Calib End Date: 07/23/2009 16:10

Lab File ID: 1G23J5.d

Analyte	RT	RT WINDOW	
		TO	FROM
Phthalic Acid/Phthalic anhydride	7.30	6.94	7.67
Maleic Acid/Maleic anhydride	9.33	8.86	9.80

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JG239.b\1G23J5.d
Lab Smp Id: ICV.4-13-17-11 Client Smp ID: ICV.4-13-17-11
Inj Date : 23-JUL-2009 16:23
Operator : DS Inst ID: TLCJUV1.i
Smp Info : ICV.4-13-17-11
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JG239.b\PHTH-MAL-ANEX.m
Meth Date : 24-Jul-2009 08:41 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

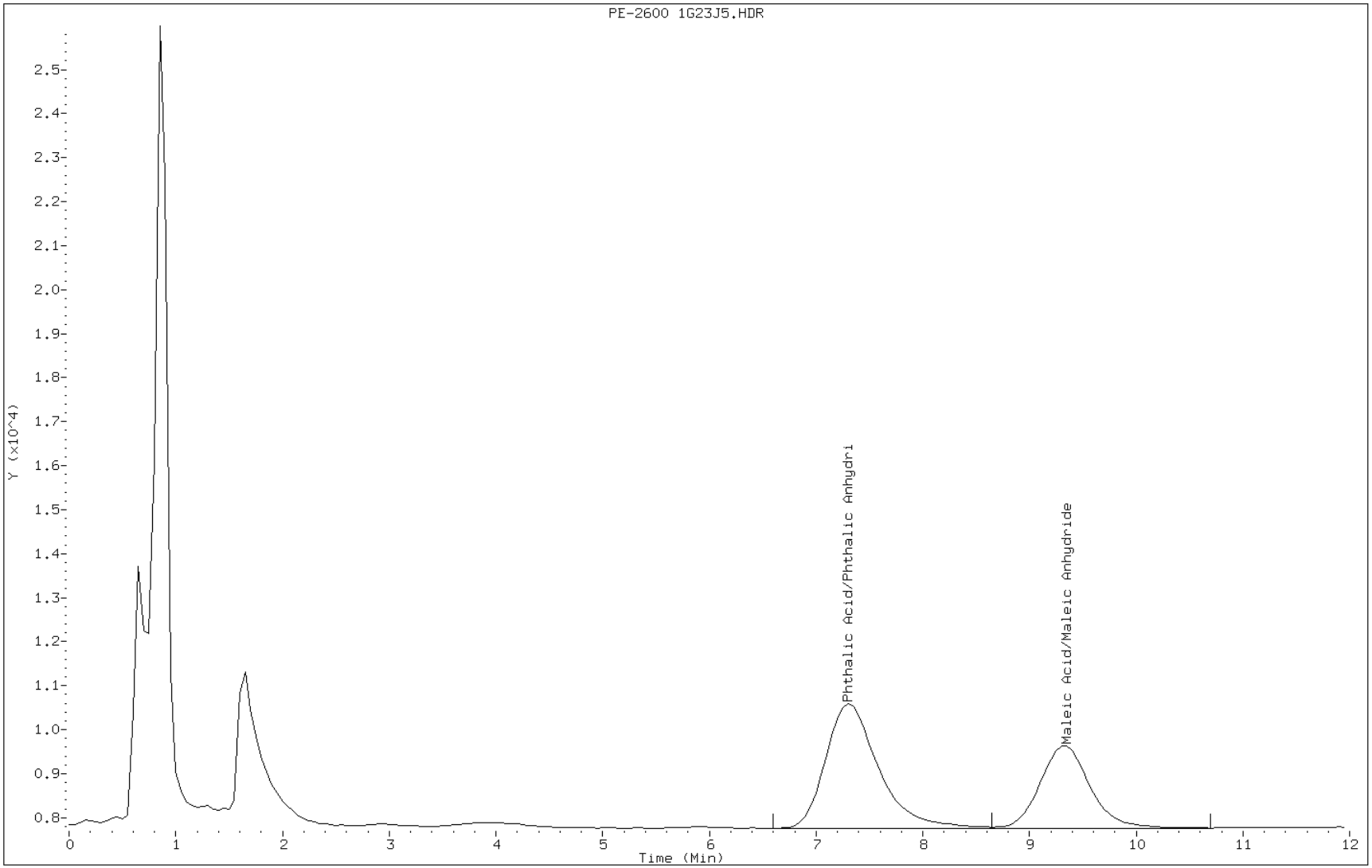
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	7.303	7.303	0.000	2845	0.50000	0.504	
2 Maleic Acid/Maleic Anhydride	9.331	9.331	0.000	1893	0.50000	0.524	

Data File: 1G23J5.d

Date: 23-JUL-2009 16:23

Client ID: ICV.4-13-17-11 Instrument: TLCJUV1.i

Sample Info: ICV.4-13-17-11 Operator: DS



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVRT 640-60681/1 Calibration Date: 09/09/2009 14:24

Instrument ID: LCJ Calib Start Date: 07/23/2009 15:44

GC Column: LC-ANEX ID: Calib End Date: 07/23/2009 16:10

Lab File ID: 1I09J1.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phthalic Acid/Phthalic anhydride	Ave	3385	5580		0.500	0.500	-1.1	20.0
Maleic Acid/Maleic anhydride	Ave	2166	3502		0.490	0.500	-3.0	20.0

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVRT 640-60681/1 Calibration Date: 09/09/2009 14:24

Instrument ID: LCJ Calib Start Date: 07/23/2009 15:44

GC Column: LC-ANEX ID: Calib End Date: 07/23/2009 16:10

Lab File ID: 1I09J1.d

Analyte	RT	RT WINDOW	
		TO	FROM
Phthalic Acid/Phthalic anhydride	7.05	6.70	7.41
Maleic Acid/Maleic anhydride	9.10	8.66	9.57

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J1.d
Lab Smp Id: M2.4-13-24-11 Client Smp ID: M2.4-13-24-11
Inj Date : 09-SEP-2009 14:24
Operator : RD Inst ID: TLCJUV1.i
Smp Info : M2.4-13-24-11
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 09-Sep-2009 14:42 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

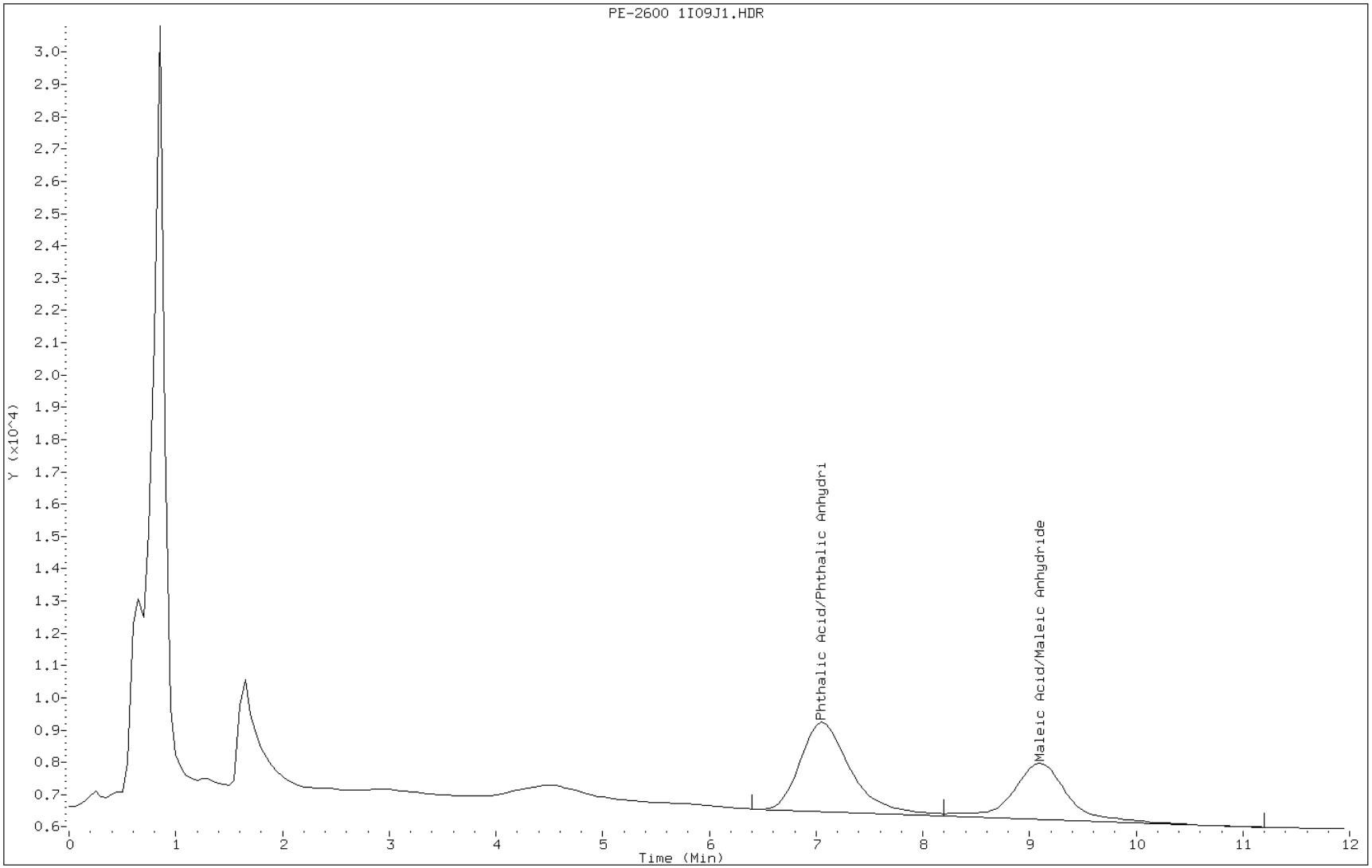
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	7.053	7.053	0.000	2790	0.50000	0.494	
2 Maleic Acid/Maleic Anhydride	9.096	9.096	0.000	1751	0.50000	0.485	

Data File: 1I09J1.d

Date: 09-SEP-2009 14:24

Client ID: M2.4-13-24-11 Instrument: TLCJUV1.i

Sample Info: M2.4-13-24-11 Operator: RD



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVRT 640-60681/10 Calibration Date: 09/09/2009 18:11

Instrument ID: LCJ Calib Start Date: 07/23/2009 15:44

GC Column: LC-ANEX ID: Calib End Date: 07/23/2009 16:10

Lab File ID: 1I09J18.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phthalic Acid/Phthalic anhydride	Ave	3385	5572		0.490	0.500	-1.2	20.0
Maleic Acid/Maleic anhydride	Ave	2166	3402		0.470	0.500	-5.8	20.0

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVRT 640-60681/10 Calibration Date: 09/09/2009 18:11

Instrument ID: LCJ Calib Start Date: 07/23/2009 15:44

GC Column: LC-ANEX ID: Calib End Date: 07/23/2009 16:10

Lab File ID: 1I09J18.d

Analyte	RT	RT WINDOW	
		TO	FROM
Phthalic Acid/Phthalic anhydride	7.06	6.70	7.41
Maleic Acid/Maleic anhydride	9.11	8.66	9.57

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J18.d
Lab Smp Id: CCVRT Client Smp ID: M2.4-13-24-11
Inj Date : 09-SEP-2009 18:11
Operator : RD Inst ID: TLCJUV1.i
Smp Info : M2.4-13-24-11
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 11-Sep-2009 13:59 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

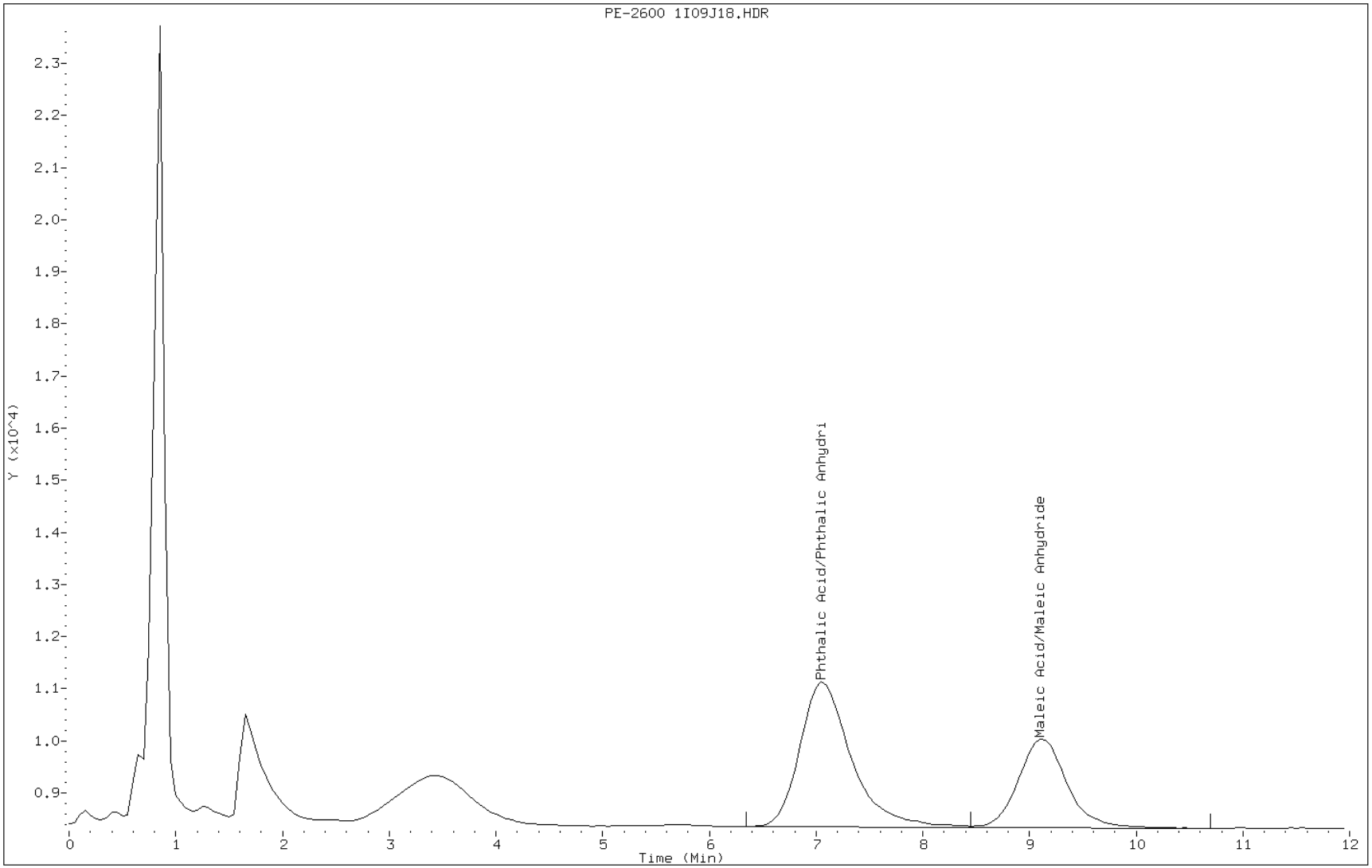
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	7.056	7.056	0.000	2786	0.50000	0.494	
2 Maleic Acid/Maleic Anhydride	9.114	9.114	0.000	1701	0.50000	0.471	

Data File: 1I09J18.d

Date: 09-SEP-2009 18:11

Client ID: M2.4-13-24-11 Instrument: TLCJUV1.i

Sample Info: M2.4-13-24-11 Operator: RD



FORM VII
HPLC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVRT 640-60681/14 Calibration Date: 09/09/2009 20:33

Instrument ID: LCJ Calib Start Date: 07/23/2009 15:44

GC Column: LC-ANEX ID: Calib End Date: 07/23/2009 16:10

Lab File ID: 1I09J29.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phthalic Acid/Phthalic anhydride	Ave	3385	5644		0.500	0.500	0.0	20.0
Maleic Acid/Maleic anhydride	Ave	2166	3468		0.480	0.500	-3.9	20.0

FORM VII
HPLC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: CCVRT 640-60681/14 Calibration Date: 09/09/2009 20:33

Instrument ID: LCJ Calib Start Date: 07/23/2009 15:44

GC Column: LC-ANEX ID: Calib End Date: 07/23/2009 16:10

Lab File ID: 1I09J29.d

Analyte	RT	RT WINDOW	
		TO	FROM
Phthalic Acid/Phthalic anhydride	7.06	6.70	7.41
Maleic Acid/Maleic anhydride	9.13	8.66	9.57

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J29.d
Lab Smp Id: M2.4-13-24-11 Client Smp ID: M2.4-13-24-11
Inj Date : 09-SEP-2009 20:33
Operator : RD Inst ID: TLCJUV1.i
Smp Info : M2.4-13-24-11
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 10-Sep-2009 09:26 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

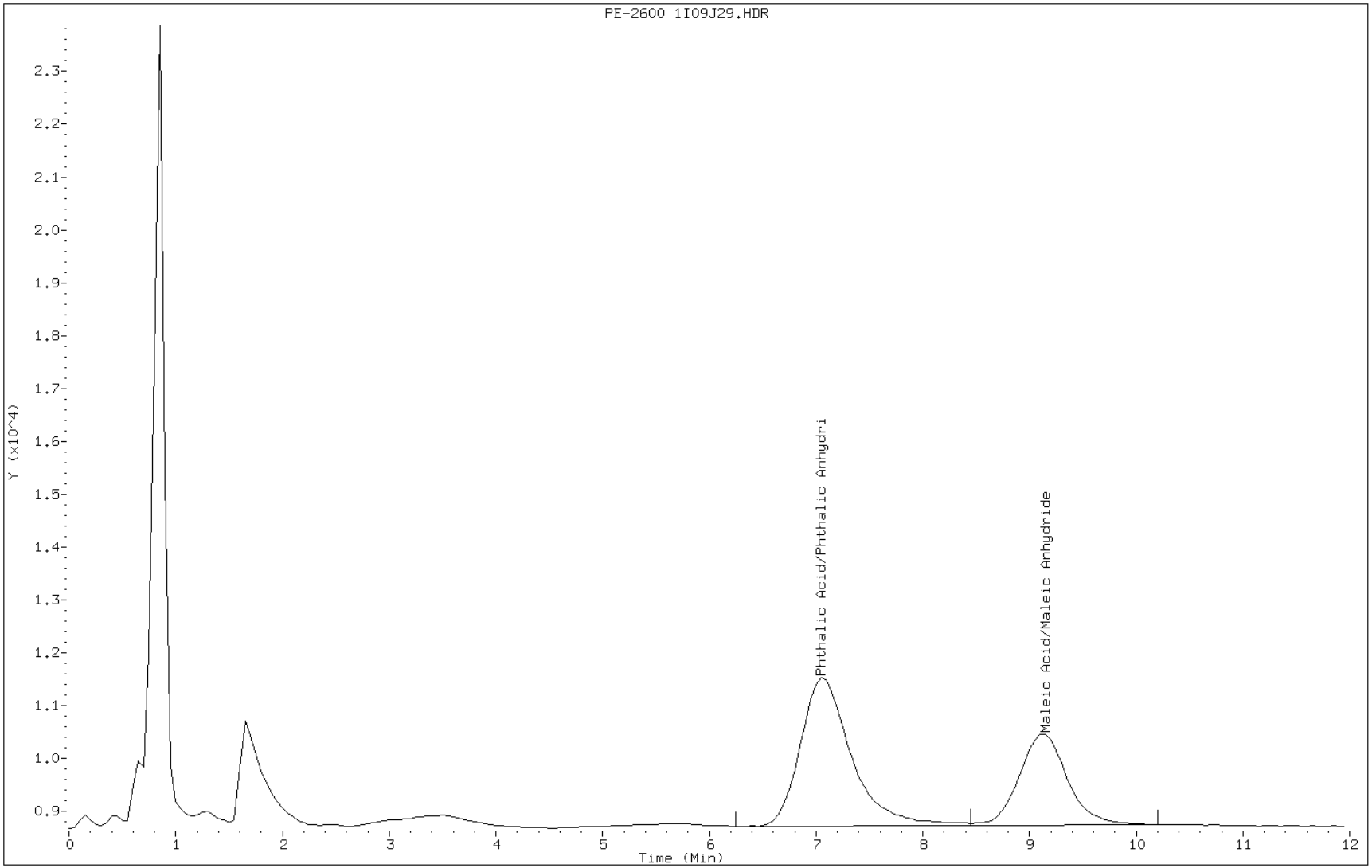
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	7.060	7.060	0.000	2822	0.50000	0.500	
2 Maleic Acid/Maleic Anhydride	9.127	9.127	0.000	1734	0.50000	0.480	

Data File: 1I09J29.d

Date: 09-SEP-2009 20:33

Client ID: M2.4-13-24-11 Instrument: TLCJUV1.i

Sample Info: M2.4-13-24-11 Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID:
Lab Sample ID: MB 640-60434/1-A
Matrix: Solid
Lab File ID: 1I09J3.d
Analysis Method: LC65
Date Collected:
Extract. Method: LC65
Date Extracted: 09/08/2009 07:40
Sample wt/vol: 5.00(g)
Date Analyzed: 09/09/2009 14:58
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 20(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 60681
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	ND		100	18

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J3.d
Lab Smp Id: MB 640-60434/1A Client Smp ID: 60434MB
Inj Date : 09-SEP-2009 14:58
Operator : RD Inst ID: TLCJUV1.i
Smp Info : MB 640-60434/1A
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 09-Sep-2009 16:33 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.000	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	Compound Not Detected.						
2 Maleic Acid/Maleic Anhydride	Compound Not Detected.						

Data File: 1I09J3.d

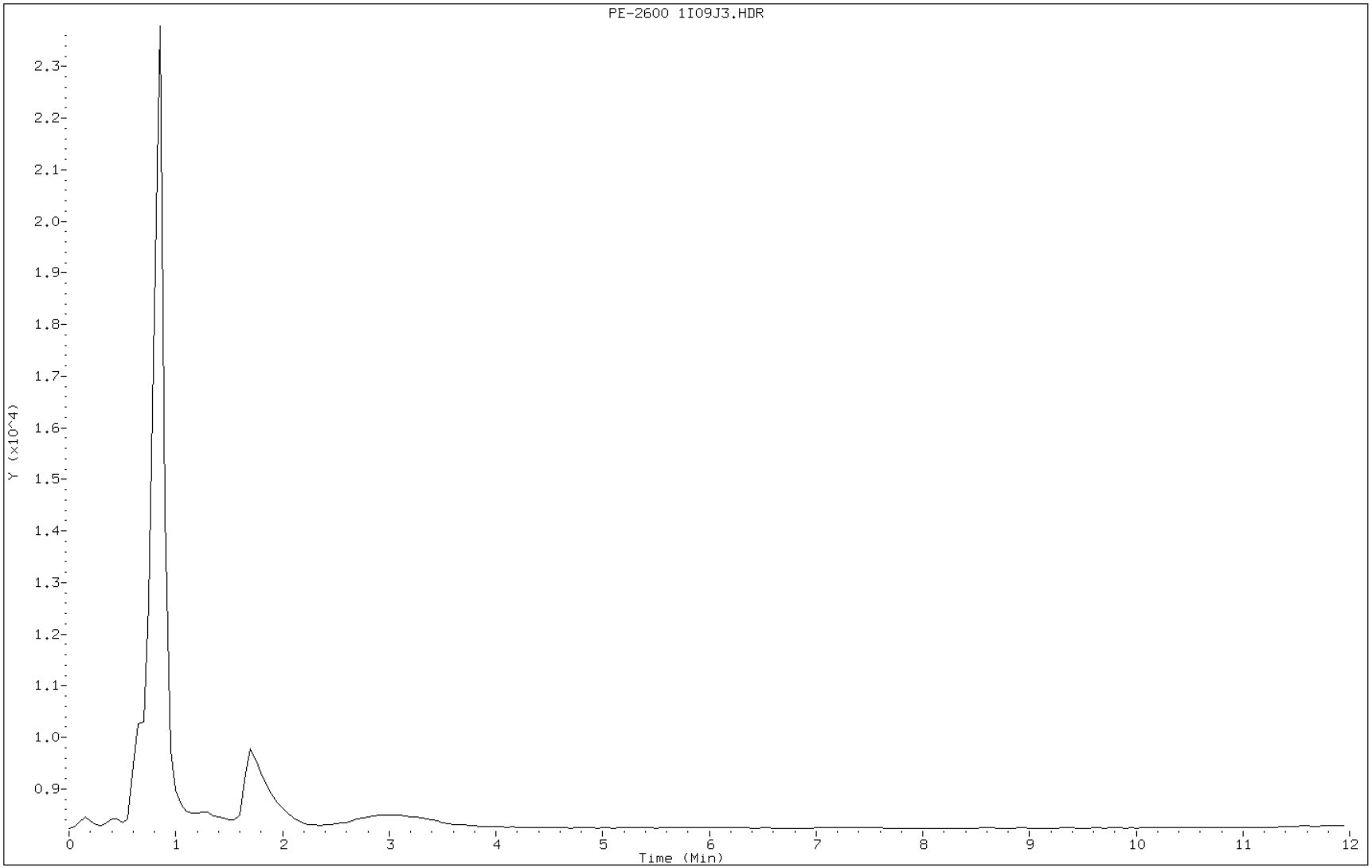
Date: 09-SEP-2009 14:58

Client ID: 60434MB

Instrument: TLCJUV1.i

Sample Info: MB 640-60434/1A

Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID:
Lab Sample ID: LCS 640-60434/2-A
Matrix: Solid
Lab File ID: 1I09J4.d
Analysis Method: LC65
Date Collected:
Extract. Method: LC65
Date Extracted: 09/08/2009 07:40
Sample wt/vol: 5.00(g)
Date Analyzed: 09/09/2009 15:11
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 20(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 60681
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	250		100	18

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J4.d
Lab Smp Id: LCS 640-60434/2A Client Smp ID: 60434MBLCS
Inj Date : 09-SEP-2009 15:11
Operator : RD Inst ID: TLCJUV1.i
Smp Info : LCS 640-60434/2A
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 09-Sep-2009 16:33 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.000	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	7.059	7.053	0.006	1763	0.31251	250	
2 Maleic Acid/Maleic Anhydride	9.117	9.096	0.021	1767	0.48947	392	

Data File: 1I09J4.d

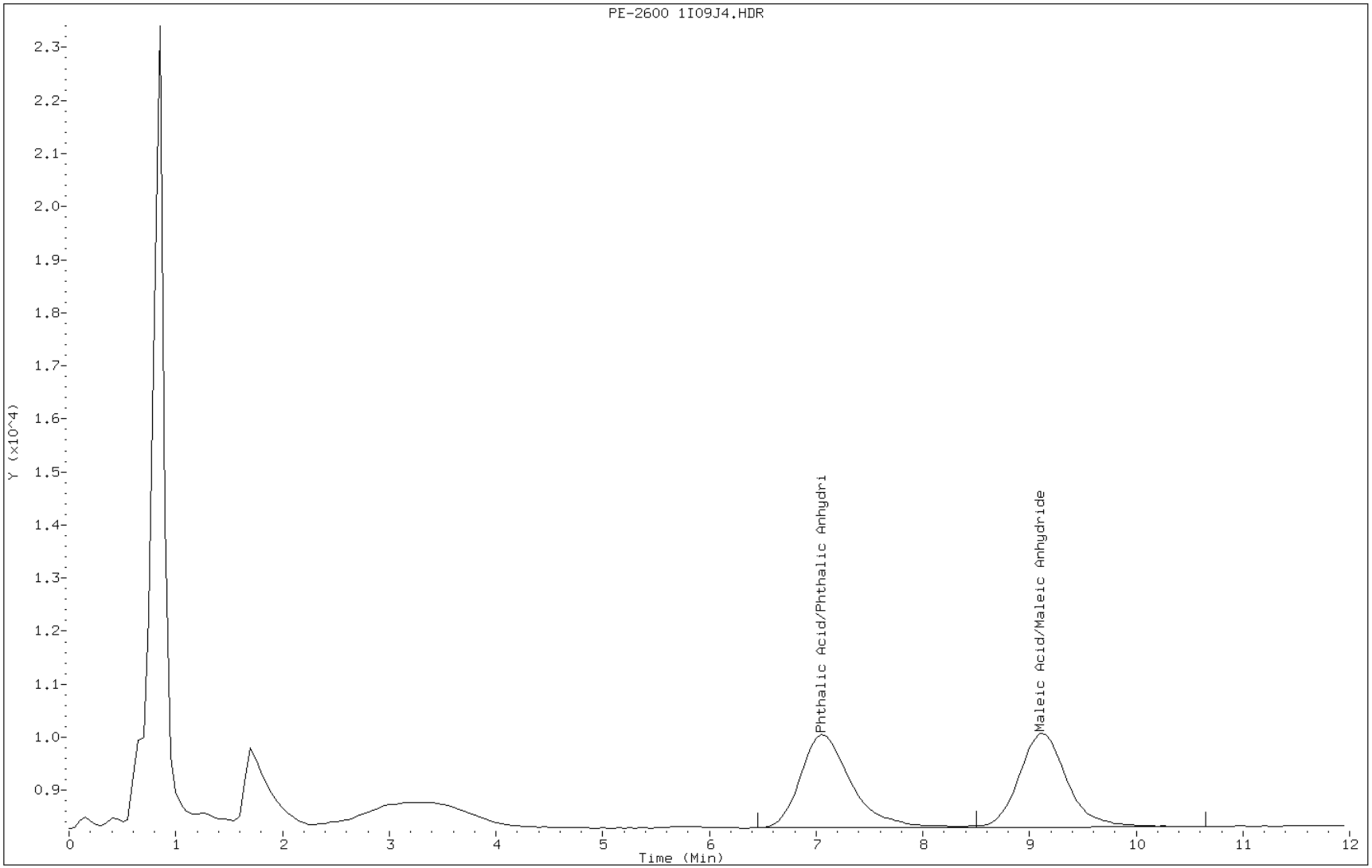
Date: 09-SEP-2009 15:11

Client ID: 60434MBLCS

Instrument: TLCJUV1.i

Sample Info: LCS 640-60434/2A

Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee
Job No.: 360-24417-1
SDG No.: OCRI-10
Client Sample ID:
Lab Sample ID: LCSD 640-60434/3-A
Matrix: Solid
Lab File ID: 1I09J5.d
Analysis Method: LC65
Date Collected:
Extract. Method: LC65
Date Extracted: 09/08/2009 07:40
Sample wt/vol: 5.00(g)
Date Analyzed: 09/09/2009 15:24
Con. Extract Vol.: 4.0(mL)
Dilution Factor: 1
Injection Volume: 20(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 60681
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	263		100	18

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J5.d
Lab Smp Id: LCSD 640-60434/3A Client Smp ID: 60434MBLCSD
Inj Date : 09-SEP-2009 15:24
Operator : RD Inst ID: TLCJUV1.i
Smp Info : LCSD 640-60434/3A
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 09-Sep-2009 16:33 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.000	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	7.060	7.053	0.007	1855	0.32882	263	
2 Maleic Acid/Maleic Anhydride	9.115	9.096	0.019	1877	0.51994	416	

Data File: 1I09J5.d

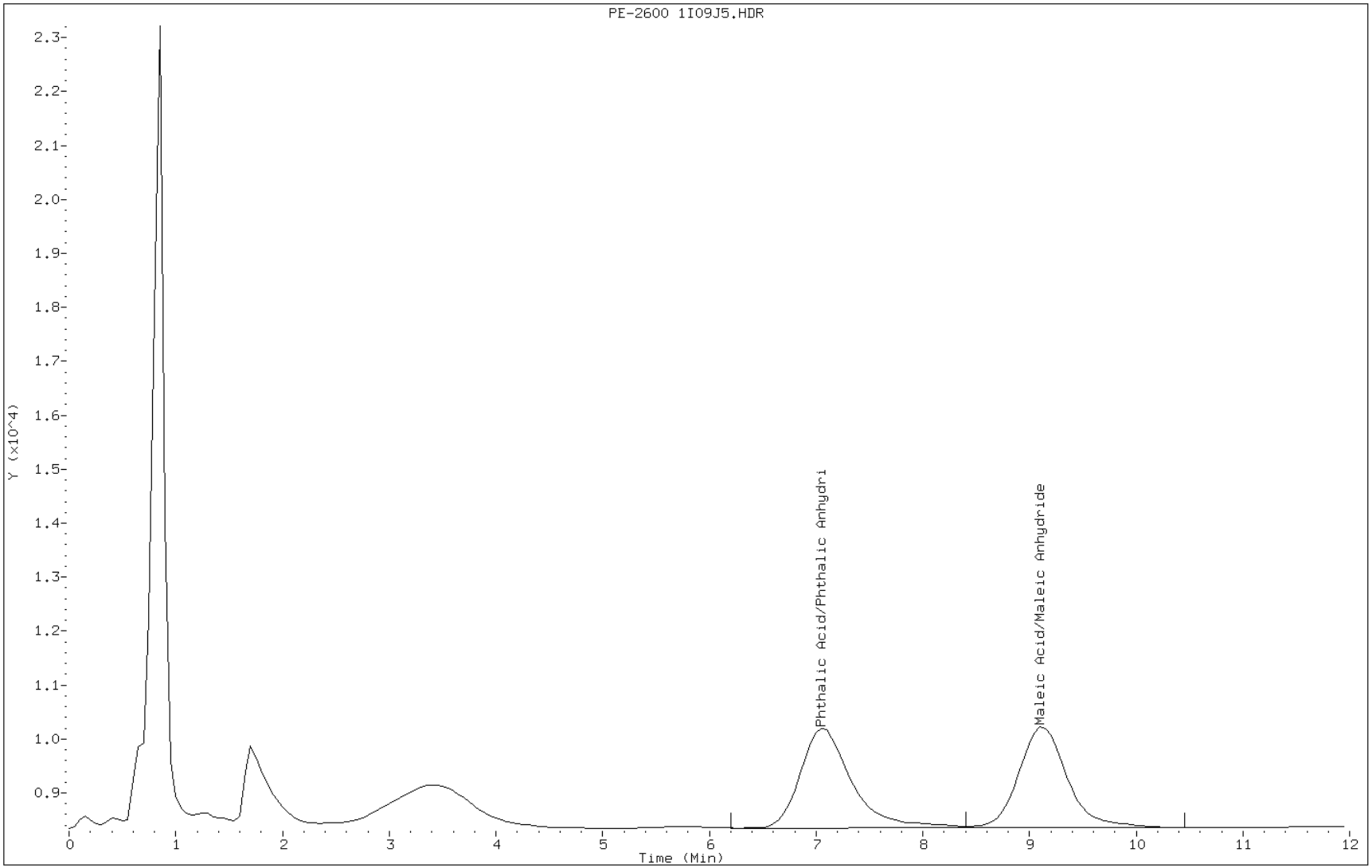
Date: 09-SEP-2009 15:24

Client ID: 60434MBLCSD

Instrument: TLCJUV1.i

Sample Info: LCSD 640-60434/3A

Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee | Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MS | Lab Sample ID: 360-24417-10 MS

Matrix: Solid | Lab File ID: 1I09J13.d

Analysis Method: LC65 | Date Collected: 09/02/2009 07:45

Extract. Method: LC65 | Date Extracted: 09/08/2009 07:40

Sample wt/vol: 5.24(g) | Date Analyzed: 09/09/2009 17:07

Con. Extract Vol.: 4.0(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | Level: (low/med) Low

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

Analysis Batch No.: 60681 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	251		110	19

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J13.d
Lab Smp Id: 360-24417F10E MS Client Smp ID: 24417-10MS
Inj Date : 09-SEP-2009 17:07
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-24417F10E MS
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 09-Sep-2009 16:33 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.000	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	7.065	7.053	0.012	1639	0.29053	232(R)	
2 Maleic Acid/Maleic Anhydride	9.122	9.096	0.026	1634	0.45263	362	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: 1I09J13.d

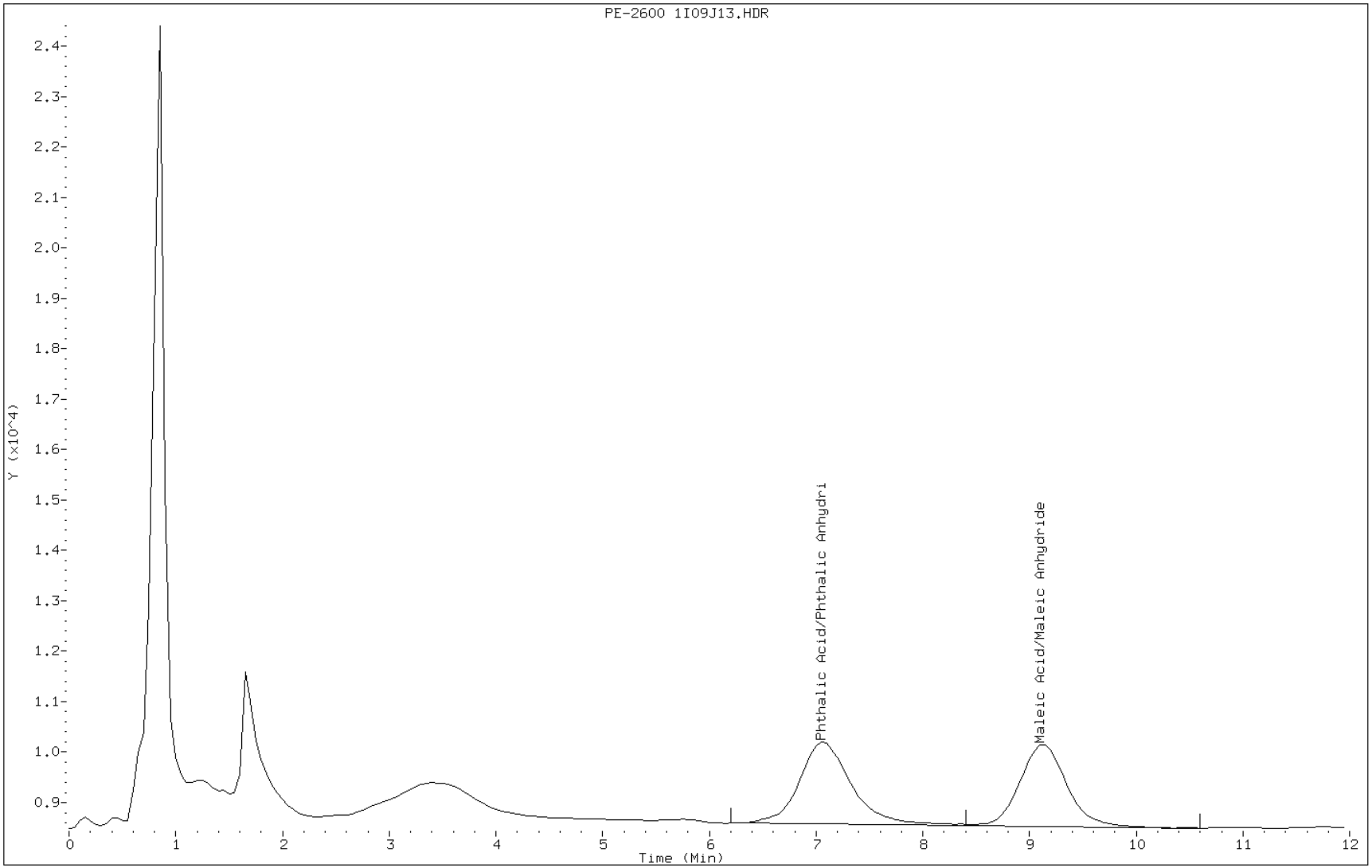
Date: 09-SEP-2009 17:07

Client ID: 24417-10MS

Instrument: TLCJUV1.i

Sample Info: 360-24417F10E MS

Operator: RD



FORM I
HPLC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Client Sample ID: OC-SB-465-8.0/10-XXX MSD Lab Sample ID: 360-24417-10 MSD

Matrix: Solid Lab File ID: 1I09J14.d

Analysis Method: LC65 Date Collected: 09/02/2009 07:45

Extract. Method: LC65 Date Extracted: 09/08/2009 07:40

Sample wt/vol: 5.30(g) Date Analyzed: 09/09/2009 17:19

Con. Extract Vol.: 4.0(mL) Dilution Factor: 1

Injection Volume: 20(uL) Level: (low/med) Low

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

Analysis Batch No.: 60681 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
88-99-3 & 85-44	Phthalic Acid/Phthalic anhydride	223		110	19

TestAmerica Tallahassee

Semivolatile Report-SL SOP Phthalic and Maleic Acid

Data file : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\1I09J14.d
Lab Smp Id: 360-24417F10F MSD Client Smp ID: 24417-10MSD
Inj Date : 09-SEP-2009 17:19
Operator : RD Inst ID: TLCJUV1.i
Smp Info : 360-24417F10F MSD
Misc Info : LC65 Anion Ex. Column
Comment :
Method : \\Talsvr05\chem\LC\TLCJUV1.i\1JI099.b\PHTH-MAL-ANEX.m
Meth Date : 09-Sep-2009 16:33 rdriver Quant Type: ESTD
Cal Date : 23-JUL-2009 16:10 Cal File: 1G23J4.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all06J.sub
Target Version: 4.14
Processing Host: TALLM05A

Concentration Formula: Amt * DF * Vt/Ws*(100/(100-M)) * A * E * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	4.000	Volume of final extract
Ws	5.000	Weight of sample extracted
A	1000.000	g to kg conversion
E	1.000	ug to mg conversion (1 if no conversion)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)	REVIEW CODE
1 Phthalic Acid/Phthalic Anhydri	7.061	7.053	0.008	1472	0.26093	209(R)	
2 Maleic Acid/Maleic Anhydride	9.125	9.096	0.029	1488	0.41219	330	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: 1I09J14.d

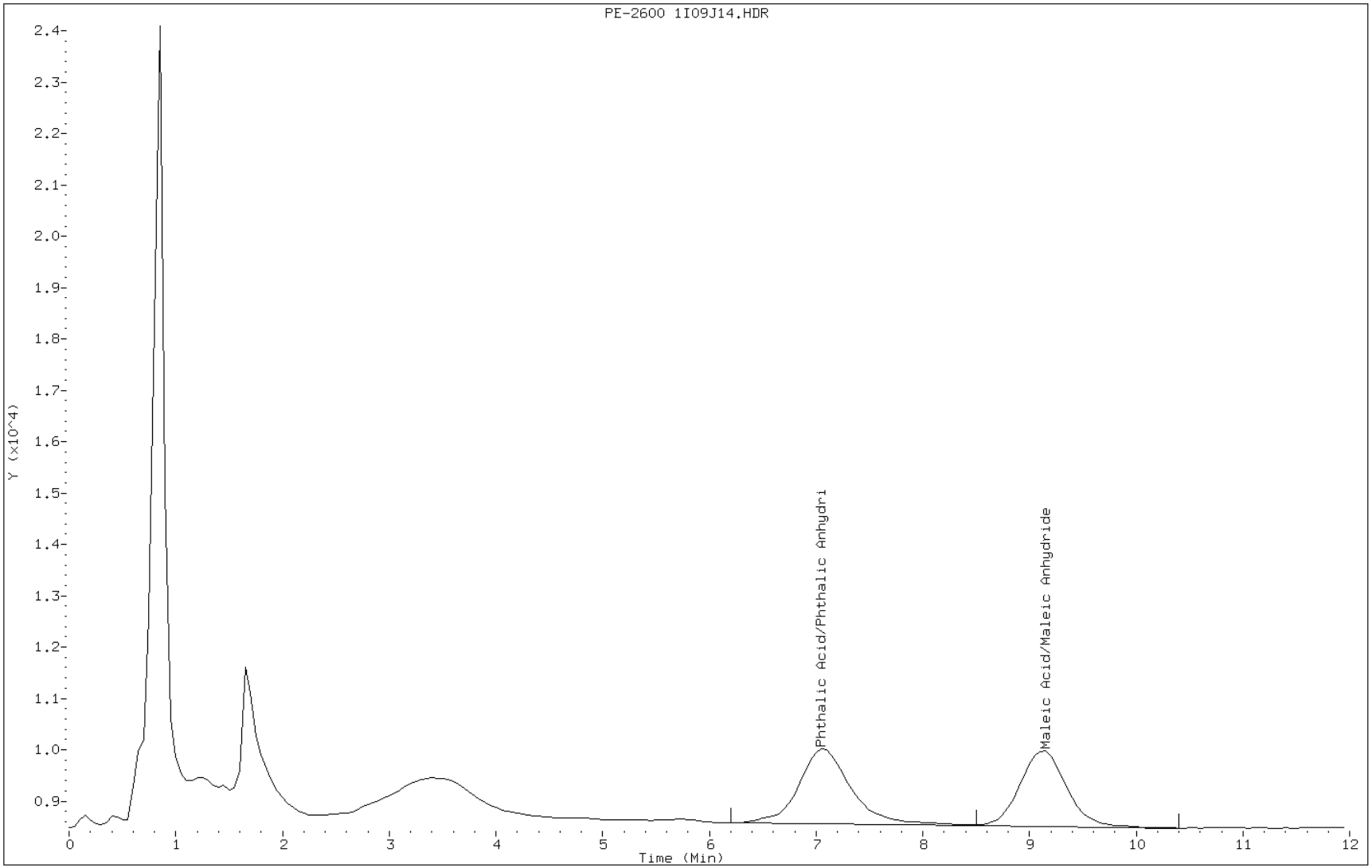
Date: 09-SEP-2009 17:19

Client ID: 24417-10MSD

Instrument: TLCJUV1.i

Sample Info: 360-24417F10F MSD

Operator: RD



HPLC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: LCJ Start Date: 07/23/2009 15:44

Analysis Batch Number: 60307 End Date: 07/23/2009 16:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		07/23/2009 15:44	1		LC SynChropak SAX
IC 640-60307/5		07/23/2009 15:44	1	1G23J2.d	LC SynChropak SAX
ZZZZZ		07/23/2009 15:57	1		LC SynChropak SAX
IC 640-60307/6		07/23/2009 15:57	1	1G23J3.d	LC SynChropak SAX
ZZZZZ		07/23/2009 16:10	1		LC SynChropak SAX
IC 640-60307/7		07/23/2009 16:10	1	1G23J4.d	LC SynChropak SAX
ZZZZZ		07/23/2009 16:23	1		LC SynChropak SAX
ICV 640-60307/8		07/23/2009 16:23	1	1G23J5.d	LC SynChropak SAX

LC65

HPLC ANALYSIS RUN LOG

Lab Name: TestAmerica Tallahassee Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: LCJ Start Date: 09/09/2009 14:24

Analysis Batch Number: 60681 End Date: 09/09/2009 21:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 640-60681/1		09/09/2009 14:24	1	1I09J1.d	LC SynChropak SAX
MB 640-60434/1-A		09/09/2009 14:58	1	1I09J3.d	LC SynChropak SAX
LCS 640-60434/2-A		09/09/2009 15:11	1	1I09J4.d	LC SynChropak SAX
LCSD 640-60434/3-A		09/09/2009 15:24	1	1I09J5.d	LC SynChropak SAX
360-24417-4	OC-SB-464-0.0/1.0-XXX	09/09/2009 15:37	1	1I09J6.d	LC SynChropak SAX
ZZZZZ		09/09/2009 15:49	1		LC SynChropak SAX
360-24417-6	OC-SB-464-5.0/7.0-XXX	09/09/2009 16:02	1	1I09J8.d	LC SynChropak SAX
360-24417-7	OC-SB-465-0.0/1.0-XXX	09/09/2009 16:15	1	1I09J9.d	LC SynChropak SAX
ZZZZZ		09/09/2009 16:28	1		LC SynChropak SAX
360-24417-9	OC-SB-465-8.0/10-DUP	09/09/2009 16:41	1	1I09J11.d	LC SynChropak SAX
360-24417-10	OC-SB-465-8.0/10-XXX	09/09/2009 16:54	1	1I09J12.d	LC SynChropak SAX
360-24417-10 MS	OC-SB-465-8.0/10-XXX MS	09/09/2009 17:07	1	1I09J13.d	LC SynChropak SAX
360-24417-10 MSD	OC-SB-465-8.0/10-XXX MSD	09/09/2009 17:19	1	1I09J14.d	LC SynChropak SAX
360-24417-11	OC-SB-468-0.0/1.0-XXX	09/09/2009 17:32	1	1I09J15.d	LC SynChropak SAX
ZZZZZ		09/09/2009 17:45	1		LC SynChropak SAX
360-24417-13	OC-SB-468-8.0/10-XXX	09/09/2009 17:58	1	1I09J17.d	LC SynChropak SAX
CCVRT 640-60681/10		09/09/2009 18:11	1	1I09J18.d	LC SynChropak SAX
360-24417-14	OC-SB-471-0.0/1.0-XXX	09/09/2009 18:24	1	1I09J19.d	LC SynChropak SAX
360-24417-15	OC-SB-471-3.0/5.0-XXX	09/09/2009 18:37	1	1I09J20.d	LC SynChropak SAX
ZZZZZ		09/09/2009 18:50	1		LC SynChropak SAX
ZZZZZ		09/09/2009 19:03	1		LC SynChropak SAX
ZZZZZ		09/09/2009 19:15	1		LC SynChropak SAX
ZZZZZ		09/09/2009 19:28	1		LC SynChropak SAX
ZZZZZ		09/09/2009 19:41	1		LC SynChropak SAX
ZZZZZ		09/09/2009 19:54	1		LC SynChropak SAX
ZZZZZ		09/09/2009 20:07	1		LC SynChropak SAX
ZZZZZ		09/09/2009 20:20	1		LC SynChropak SAX
CCVRT 640-60681/14		09/09/2009 20:33	1	1I09J29.d	LC SynChropak SAX
ZZZZZ		09/09/2009 20:45	1		LC SynChropak SAX
ZZZZZ		09/09/2009 20:58	1		LC SynChropak SAX
ZZZZZ		09/09/2009 21:11	1		LC SynChropak SAX
ZZZZZ		09/09/2009 21:24	1		LC SynChropak SAX
ZZZZZ		09/09/2009 21:37	1		LC SynChropak SAX
CCVRT 640-60681/34		09/09/2009 21:50	1		LC SynChropak SAX

Organic Prep Worksheet

Batch Number: 640-60434
Method: LC65
Analyst: Smith, Daniel N

Date Open: Sep 08 2009 7:40AM
Batch End: Sep 08 2009 11:30AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	LCIPH/MSPK_00029
MB~640-60434/1		LC65, LC65		5.00 g	4.0 mL	
LCS~640-60434/2		LC65, LC65		5.00 g	4.0 mL	20.0 uL
LCSD~640-60434/3		LC65, LC65		5.00 g	4.0 mL	20.0 uL
360-24417-F-4	OC-SB-464-0.0/1.0-XXX	LC65, LC65	T	5.30 g	4.0 mL	
360-24417-F-5	OC-SB-464-26/28-XXX		T	5.20 g	4.0 mL	
360-24417-F-6	OC-SB-464-5.0/7.0-XXX	LC65, LC65	T	5.00 g	4.0 mL	
360-24417-F-7	OC-SB-465-0.0/1.0-XXX	LC65, LC65	T	5.34 g	4.0 mL	
360-24417-F-8	OC-SB-465-16/18-XXX		T	5.11 g	4.0 mL	
360-24417-F-9	OC-SB-465-8.0/10-DUP	LC65, LC65	T	5.36 g	4.0 mL	
360-24417-F-10	OC-SB-465-8.0/10-XXX	LC65, LC65	T	5.11 g	4.0 mL	
360-24417-F-10~MS	OC-SB-465-8.0/10-XMS	LC65, LC65	T	5.24 g	4.0 mL	20.0 uL
360-24417-F-10~MSD	OC-SB-465-8.0/10-MSD	LC65, LC65	T	5.30 g	4.0 mL	20.0 uL
360-24417-F-11	OC-SB-468-0.0/1.0-XXX	LC65, LC65	T	5.12 g	4.0 mL	
360-24417-F-12	OC-SB-468-31/33-XXX		T	5.33 g	4.0 mL	
360-24417-F-13	OC-SB-468-8.0/10-XXX	LC65, LC65	T	5.34 g	4.0 mL	
360-24417-F-14	OC-SB-471-0.0/1.0-XXX	LC65, LC65	T	5.36 g	4.0 mL	
360-24417-F-15	OC-SB-471-3.0/5.0-XXX	LC65, LC65	T	5.12 g	4.0 mL	
360-24417-F-16	OC-SB-471-26/28-XXX		T	5.29 g	4.0 mL	

Person's name who witnessed reagent drop: DS
Elution Solution Lot #: LCR1-40-4
Person's name who did the prep: DS

Organic Prep Worksheet

Batch Number: 640-60434
Method: LC65
Analyst: Smith, Daniel N

Date Open: Sep 08 2009 7:40AM
Batch End: Sep 08 2009 11:30AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~640-60434/1		LC65, LC65		
LCS~640-60434/2		LC65, LC65		
LCSD~640-60434/3		LC65, LC65		
360-24417-F-4	OC-SB-464-0.0/1.0-XXX	LC65, LC65	T	
360-24417-F-5	OC-SB-464-26/28-XXX		T	
360-24417-F-6	OC-SB-464-5.0/7.0-XXX	LC65, LC65	T	
360-24417-F-7	OC-SB-465-0.0/1.0-XXX	LC65, LC65	T	
360-24417-F-8	OC-SB-465-16/18-XXX		T	
360-24417-F-9	OC-SB-465-8.0/10-DUP	LC65, LC65	T	
360-24417-F-10	OC-SB-465-8.0/10-XXX	LC65, LC65	T	
360-24417-F-10~MS	OC-SB-465-8.0/10-XMS	LC65, LC65	T	
360-24417-F-10~MSD	OC-SB-465-8.0/10-MSD	LC65, LC65	T	
360-24417-F-11	OC-SB-468-0.0/1.0-XXX	LC65, LC65	T	
360-24417-F-12	OC-SB-468-31/33-XXX		T	
360-24417-F-13	OC-SB-468-8.0/10-XXX	LC65, LC65	T	
360-24417-F-14	OC-SB-471-0.0/1.0-XXX	LC65, LC65	T	
360-24417-F-15	OC-SB-471-3.0/5.0-XXX	LC65, LC65	T	
360-24417-F-16	OC-SB-471-26/28-XXX		T	

Batch Comment: LC65

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24417-1

SDG No.: OCRI-10

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SB-463-0.0/1.0-XXX	360-24417-1
OC-SB-463-6.0/8.0-XXX	360-24417-3
OC-SB-464-0.0/1.0-XXX	360-24417-4
OC-SB-464-5.0/7.0-XXX	360-24417-6
OC-SB-465-0.0/1.0-XXX	360-24417-7
OC-SB-465-8.0/10-DUP	360-24417-9
OC-SB-465-8.0/10-XXX	360-24417-10
OC-SB-468-0.0/1.0-XXX	360-24417-11
OC-SB-468-8.0/10-XXX	360-24417-13
OC-SB-471-0.0/1.0-XXX	360-24417-14
OC-SB-471-3.0/5.0-XXX	360-24417-15

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-463-0.0/1.0-XXX
Lab Sample ID: 360-24417-1
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 13:00
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 96.2

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5000	3.4	0.87	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.67	0.24	mg/Kg			1	6010B
7440-38-2	Arsenic	6.8	1.3	0.12	mg/Kg			1	6010B
7440-39-3	Barium	11	0.67	0.087	mg/Kg		B	1	6010B
7440-41-7	Beryllium	0.18	0.27	0.034	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.11	0.27	0.0094	mg/Kg	J		1	6010B
7440-70-2	Calcium	600	13	3.4	mg/Kg		B	1	6010B
7440-47-3	Chromium	14	0.67	0.089	mg/Kg			1	6010B
7440-48-4	Cobalt	2.9	0.67	0.087	mg/Kg			1	6010B
7440-50-8	Copper	4.1	1.3	0.087	mg/Kg			1	6010B
7439-89-6	Iron	7000	6.7	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	2.4	0.67	0.077	mg/Kg			1	6010B
7439-95-4	Magnesium	1000	13	0.67	mg/Kg		B	1	6010B
7439-96-5	Manganese	54	1.3	0.090	mg/Kg			1	6010B
7440-02-0	Nickel	5.0	1.3	0.087	mg/Kg			1	6010B
7440-09-7	Potassium	660	270	42	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.67	0.31	mg/Kg			1	6010B
7440-22-4	Silver	0.13	0.67	0.067	mg/Kg	J		1	6010B
7440-23-5	Sodium	22	130	17	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.3	0.097	mg/Kg			1	6010B
7440-62-2	Vanadium	7.6	1.3	0.087	mg/Kg			1	6010B
7440-66-6	Zinc	11	3.4	0.79	mg/Kg			1	6010B
7440-31-5	Tin	5.0	6.7	0.43	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	ND	0.14	0.025	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-463-6.0/8.0-XXX
Lab Sample ID: 360-24417-3
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 13:10
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 84.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4200	3.4	0.87	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.67	0.24	mg/Kg			1	6010B
7440-38-2	Arsenic	3.2	1.3	0.12	mg/Kg			1	6010B
7440-39-3	Barium	6.5	0.67	0.087	mg/Kg		B	1	6010B
7440-41-7	Beryllium	0.17	0.27	0.034	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.084	0.27	0.0094	mg/Kg	J		1	6010B
7440-70-2	Calcium	300	13	3.4	mg/Kg		B	1	6010B
7440-47-3	Chromium	5.9	0.67	0.089	mg/Kg			1	6010B
7440-48-4	Cobalt	2.1	0.67	0.087	mg/Kg			1	6010B
7440-50-8	Copper	2.7	1.3	0.087	mg/Kg			1	6010B
7439-89-6	Iron	5300	6.7	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	1.4	0.67	0.077	mg/Kg			1	6010B
7439-95-4	Magnesium	940	13	0.67	mg/Kg		B	1	6010B
7439-96-5	Manganese	33	1.3	0.090	mg/Kg			1	6010B
7440-02-0	Nickel	5.1	1.3	0.087	mg/Kg			1	6010B
7440-09-7	Potassium	450	270	42	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.67	0.31	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.67	0.068	mg/Kg			1	6010B
7440-23-5	Sodium	ND	130	17	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.3	0.097	mg/Kg			1	6010B
7440-62-2	Vanadium	5.8	1.3	0.087	mg/Kg			1	6010B
7440-66-6	Zinc	12	3.4	0.79	mg/Kg			1	6010B
7440-31-5	Tin	1.9	6.7	0.43	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	ND	0.17	0.031	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-464-0.0/1.0-XXX
Lab Sample ID: 360-24417-4
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 15:50
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 94.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5700	3.0	0.77	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.59	0.21	mg/Kg			1	6010B
7440-38-2	Arsenic	3.7	1.2	0.11	mg/Kg			1	6010B
7440-39-3	Barium	9.2	0.59	0.077	mg/Kg		B	1	6010B
7440-41-7	Beryllium	0.14	0.24	0.030	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.095	0.24	0.0083	mg/Kg	J		1	6010B
7440-70-2	Calcium	720	12	3.0	mg/Kg		B	1	6010B
7440-47-3	Chromium	20	0.59	0.079	mg/Kg			1	6010B
7440-48-4	Cobalt	2.0	0.59	0.077	mg/Kg			1	6010B
7440-50-8	Copper	3.4	1.2	0.077	mg/Kg			1	6010B
7439-89-6	Iron	6900	5.9	0.95	mg/Kg		B	1	6010B
7439-92-1	Lead	3.0	0.59	0.068	mg/Kg			1	6010B
7439-95-4	Magnesium	1200	12	0.59	mg/Kg		B	1	6010B
7439-96-5	Manganese	53	1.2	0.079	mg/Kg			1	6010B
7440-02-0	Nickel	7.6	1.2	0.077	mg/Kg			1	6010B
7440-09-7	Potassium	960	240	37	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.59	0.28	mg/Kg			1	6010B
7440-22-4	Silver	0.17	0.59	0.060	mg/Kg	J		1	6010B
7440-23-5	Sodium	31	120	15	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.2	0.086	mg/Kg			1	6010B
7440-62-2	Vanadium	8.3	1.2	0.077	mg/Kg			1	6010B
7440-66-6	Zinc	14	3.0	0.70	mg/Kg			1	6010B
7440-31-5	Tin	7.0	5.9	0.38	mg/Kg		B ^	1	6010B
7439-97-6	Mercury	ND	0.15	0.027	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-464-5.0/7.0-XXX
Lab Sample ID: 360-24417-6
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 16:50
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 87.8

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	2800	3.7	0.96	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.73	0.27	mg/Kg			1	6010B
7440-38-2	Arsenic	3.2	1.5	0.13	mg/Kg			1	6010B
7440-39-3	Barium	7.5	0.73	0.096	mg/Kg		B	1	6010B
7440-41-7	Beryllium	0.086	0.29	0.037	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.074	0.29	0.010	mg/Kg	J		1	6010B
7440-70-2	Calcium	990	15	3.7	mg/Kg		B	1	6010B
7440-47-3	Chromium	40	0.73	0.098	mg/Kg			1	6010B
7440-48-4	Cobalt	1.2	0.73	0.096	mg/Kg			1	6010B
7440-50-8	Copper	3.5	1.5	0.096	mg/Kg			1	6010B
7439-89-6	Iron	5200	7.3	1.2	mg/Kg		B	1	6010B
7439-92-1	Lead	3.1	0.73	0.084	mg/Kg			1	6010B
7439-95-4	Magnesium	780	15	0.73	mg/Kg		B	1	6010B
7439-96-5	Manganese	34	1.5	0.098	mg/Kg			1	6010B
7440-02-0	Nickel	6.3	1.5	0.096	mg/Kg			1	6010B
7440-09-7	Potassium	380	290	46	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.73	0.34	mg/Kg			1	6010B
7440-22-4	Silver	0.50	0.73	0.074	mg/Kg	J		1	6010B
7440-23-5	Sodium	22	150	19	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.5	0.11	mg/Kg			1	6010B
7440-62-2	Vanadium	5.7	1.5	0.096	mg/Kg			1	6010B
7440-66-6	Zinc	7.0	3.7	0.86	mg/Kg			1	6010B
7440-31-5	Tin	16	7.3	0.47	mg/Kg		B ^	1	6010B
7439-97-6	Mercury	0.052	0.15	0.027	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-465-0.0/1.0-XXX
Lab Sample ID: 360-24417-7
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 07:35
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 95.0

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	1500	3.1	0.80	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.62	0.22	mg/Kg			1	6010B
7440-38-2	Arsenic	2.2	1.2	0.11	mg/Kg			1	6010B
7440-39-3	Barium	5.9	0.62	0.080	mg/Kg		B	1	6010B
7440-41-7	Beryllium	0.053	0.25	0.031	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.099	0.25	0.0086	mg/Kg	J		1	6010B
7440-70-2	Calcium	530	12	3.1	mg/Kg		B	1	6010B
7440-47-3	Chromium	5.9	0.62	0.082	mg/Kg			1	6010B
7440-48-4	Cobalt	1.1	0.62	0.080	mg/Kg			1	6010B
7440-50-8	Copper	2.5	1.2	0.080	mg/Kg			1	6010B
7439-89-6	Iron	3600	6.2	0.98	mg/Kg		B	1	6010B
7439-92-1	Lead	1.2	0.62	0.070	mg/Kg			1	6010B
7439-95-4	Magnesium	640	12	0.62	mg/Kg		B	1	6010B
7439-96-5	Manganese	26	1.2	0.082	mg/Kg			1	6010B
7440-02-0	Nickel	3.7	1.2	0.080	mg/Kg			1	6010B
7440-09-7	Potassium	460	250	38	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.62	0.29	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.62	0.062	mg/Kg			1	6010B
7440-23-5	Sodium	ND	120	16	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.2	0.089	mg/Kg			1	6010B
7440-62-2	Vanadium	4.6	1.2	0.080	mg/Kg			1	6010B
7440-66-6	Zinc	8.6	3.1	0.72	mg/Kg			1	6010B
7440-31-5	Tin	2.0	6.2	0.39	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	0.074	0.13	0.025	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-465-8.0/10-DUP
Lab Sample ID: 360-24417-9
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 07:45
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 88.9

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3600	3.3	0.86	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.66	0.24	mg/Kg			1	6010B
7440-38-2	Arsenic	2.4	1.3	0.12	mg/Kg			1	6010B
7440-39-3	Barium	5.2	0.66	0.086	mg/Kg		B	1	6010B
7440-41-7	Beryllium	0.11	0.26	0.033	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.071	0.26	0.0093	mg/Kg	J		1	6010B
7440-70-2	Calcium	510	13	3.3	mg/Kg		B	1	6010B
7440-47-3	Chromium	6.0	0.66	0.088	mg/Kg			1	6010B
7440-48-4	Cobalt	1.6	0.66	0.086	mg/Kg			1	6010B
7440-50-8	Copper	2.1	1.3	0.086	mg/Kg			1	6010B
7439-89-6	Iron	5000	6.6	1.1	mg/Kg		B	1	6010B
7439-92-1	Lead	0.99	0.66	0.076	mg/Kg			1	6010B
7439-95-4	Magnesium	900	13	0.66	mg/Kg		B	1	6010B
7439-96-5	Manganese	31	1.3	0.088	mg/Kg			1	6010B
7440-02-0	Nickel	5.3	1.3	0.086	mg/Kg			1	6010B
7440-09-7	Potassium	440	260	41	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.66	0.31	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.66	0.067	mg/Kg			1	6010B
7440-23-5	Sodium	37	130	17	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.3	0.096	mg/Kg			1	6010B
7440-62-2	Vanadium	5.5	1.3	0.086	mg/Kg			1	6010B
7440-66-6	Zinc	7.4	3.3	0.78	mg/Kg			1	6010B
7440-31-5	Tin	2.0	6.6	0.42	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	ND	0.17	0.032	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-465-8.0/10-XXX
Lab Sample ID: 360-24417-10
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 07:45
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 88.5

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3800	3.7	0.96	mg/Kg			1	6010B
7440-36-0	Antimony	0.46	0.74	0.27	mg/Kg	J		1	6010B
7440-38-2	Arsenic	2.5	1.5	0.13	mg/Kg			1	6010B
7440-39-3	Barium	5.6	0.74	0.096	mg/Kg		B	1	6010B
7440-41-7	Beryllium	0.12	0.30	0.037	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.084	0.30	0.010	mg/Kg	J		1	6010B
7440-70-2	Calcium	640	15	3.7	mg/Kg		B	1	6010B
7440-47-3	Chromium	6.8	0.74	0.098	mg/Kg			1	6010B
7440-48-4	Cobalt	1.7	0.74	0.096	mg/Kg			1	6010B
7440-50-8	Copper	2.2	1.5	0.096	mg/Kg			1	6010B
7439-89-6	Iron	5700	7.4	1.2	mg/Kg		B	1	6010B
7439-92-1	Lead	1.4	0.74	0.084	mg/Kg			1	6010B
7439-95-4	Magnesium	950	15	0.74	mg/Kg		B	1	6010B
7439-96-5	Manganese	33	1.5	0.099	mg/Kg			1	6010B
7440-02-0	Nickel	5.9	1.5	0.096	mg/Kg			1	6010B
7440-09-7	Potassium	630	300	46	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.74	0.35	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.74	0.074	mg/Kg			1	6010B
7440-23-5	Sodium	37	150	19	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.5	0.11	mg/Kg			1	6010B
7440-62-2	Vanadium	6.4	1.5	0.096	mg/Kg			1	6010B
7440-66-6	Zinc	7.5	3.7	0.87	mg/Kg			1	6010B
7440-31-5	Tin	2.2	7.4	0.47	mg/Kg	J	B	1	6010B
7439-97-6	Mercury	ND	0.16	0.030	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-468-0.0/1.0-XXX
Lab Sample ID: 360-24417-11
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 10:05
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 86.7

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8700	3.1	0.81	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.62	0.23	mg/Kg			1	6010B
7440-38-2	Arsenic	5.1	1.2	0.11	mg/Kg			1	6010B
7440-39-3	Barium	10	0.62	0.081	mg/Kg		B	1	6010B
7440-41-7	Beryllium	0.24	0.25	0.031	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.094	0.25	0.0087	mg/Kg	J		1	6010B
7440-70-2	Calcium	3100	12	3.1	mg/Kg		B	1	6010B
7440-47-3	Chromium	11	0.62	0.083	mg/Kg			1	6010B
7440-48-4	Cobalt	1.8	0.62	0.081	mg/Kg			1	6010B
7440-50-8	Copper	2.7	1.2	0.081	mg/Kg			1	6010B
7439-89-6	Iron	5500	6.2	0.99	mg/Kg		B	1	6010B
7439-92-1	Lead	3.9	0.62	0.071	mg/Kg			1	6010B
7439-95-4	Magnesium	980	12	0.62	mg/Kg		B	1	6010B
7439-96-5	Manganese	48	1.2	0.083	mg/Kg			1	6010B
7440-02-0	Nickel	5.2	1.2	0.081	mg/Kg			1	6010B
7440-09-7	Potassium	510	250	39	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.62	0.29	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.62	0.063	mg/Kg			1	6010B
7440-23-5	Sodium	53	120	16	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.2	0.090	mg/Kg			1	6010B
7440-62-2	Vanadium	8.9	1.2	0.081	mg/Kg			1	6010B
7440-66-6	Zinc	12	3.1	0.73	mg/Kg			1	6010B
7440-31-5	Tin	3.7	6.2	0.40	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	ND	0.17	0.031	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-468-8.0/10-XXX
Lab Sample ID: 360-24417-13
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 10:10
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 87.2

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3800	2.9	0.76	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.59	0.21	mg/Kg			1	6010B
7440-38-2	Arsenic	1.0	1.2	0.11	mg/Kg	J		1	6010B
7440-39-3	Barium	5.7	0.59	0.076	mg/Kg		B	1	6010B
7440-41-7	Beryllium	0.088	0.24	0.029	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.047	0.24	0.0082	mg/Kg	J		1	6010B
7440-70-2	Calcium	630	12	2.9	mg/Kg		B	1	6010B
7440-47-3	Chromium	5.6	0.59	0.078	mg/Kg			1	6010B
7440-48-4	Cobalt	1.3	0.59	0.076	mg/Kg			1	6010B
7440-50-8	Copper	1.2	1.2	0.076	mg/Kg			1	6010B
7439-89-6	Iron	3500	5.9	0.94	mg/Kg		B	1	6010B
7439-92-1	Lead	1.0	0.59	0.067	mg/Kg			1	6010B
7439-95-4	Magnesium	890	12	0.59	mg/Kg		B	1	6010B
7439-96-5	Manganese	31	1.2	0.079	mg/Kg			1	6010B
7440-02-0	Nickel	4.9	1.2	0.076	mg/Kg			1	6010B
7440-09-7	Potassium	510	240	37	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.59	0.28	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.59	0.059	mg/Kg			1	6010B
7440-23-5	Sodium	50	120	15	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	1.2	0.085	mg/Kg			1	6010B
7440-62-2	Vanadium	4.9	1.2	0.076	mg/Kg			1	6010B
7440-66-6	Zinc	6.4	2.9	0.69	mg/Kg			1	6010B
7440-31-5	Tin	1.8	5.9	0.38	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	ND	0.15	0.028	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-471-0.0/1.0-XXX
Lab Sample ID: 360-24417-14
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 13:15
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 91.7

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6600	3.1	0.80	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.62	0.22	mg/Kg			1	6010B
7440-38-2	Arsenic	5.7	1.2	0.11	mg/Kg			1	6010B
7440-39-3	Barium	9.6	0.62	0.080	mg/Kg		B	1	6010B
7440-41-7	Beryllium	0.20	0.25	0.031	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.13	0.25	0.0086	mg/Kg	J		1	6010B
7440-70-2	Calcium	1700	12	3.1	mg/Kg		B	1	6010B
7440-47-3	Chromium	14	0.62	0.082	mg/Kg			1	6010B
7440-48-4	Cobalt	2.1	0.62	0.080	mg/Kg			1	6010B
7440-50-8	Copper	5.6	1.2	0.080	mg/Kg			1	6010B
7439-89-6	Iron	7600	6.2	0.98	mg/Kg		B	1	6010B
7439-92-1	Lead	5.4	0.62	0.070	mg/Kg			1	6010B
7439-95-4	Magnesium	1100	12	0.62	mg/Kg		B	1	6010B
7439-96-5	Manganese	43	1.2	0.082	mg/Kg			1	6010B
7440-02-0	Nickel	5.5	1.2	0.080	mg/Kg			1	6010B
7440-09-7	Potassium	520	250	39	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.62	0.29	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.62	0.062	mg/Kg			1	6010B
7440-23-5	Sodium	ND	120	16	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.2	0.089	mg/Kg			1	6010B
7440-62-2	Vanadium	9.6	1.2	0.080	mg/Kg			1	6010B
7440-66-6	Zinc	21	3.1	0.72	mg/Kg			1	6010B
7440-31-5	Tin	5.0	6.2	0.39	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	0.028	0.15	0.027	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: OC-SB-471-3.0/5.0-XXX
Lab Sample ID: 360-24417-15
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 13:30
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 81.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9500	3.8	0.98	mg/Kg			1	6010B
7440-36-0	Antimony	ND	0.75	0.27	mg/Kg			1	6010B
7440-38-2	Arsenic	4.3	1.5	0.14	mg/Kg			1	6010B
7440-39-3	Barium	5.8	0.75	0.098	mg/Kg		B	1	6010B
7440-41-7	Beryllium	0.20	0.30	0.038	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.14	0.30	0.011	mg/Kg	J		1	6010B
7440-70-2	Calcium	480	15	3.8	mg/Kg		B	1	6010B
7440-47-3	Chromium	7.9	0.75	0.10	mg/Kg			1	6010B
7440-48-4	Cobalt	1.6	0.75	0.098	mg/Kg			1	6010B
7440-50-8	Copper	1.6	1.5	0.098	mg/Kg			1	6010B
7439-89-6	Iron	7000	7.5	1.2	mg/Kg		B	1	6010B
7439-92-1	Lead	2.7	0.75	0.086	mg/Kg			1	6010B
7439-95-4	Magnesium	800	15	0.75	mg/Kg		B	1	6010B
7439-96-5	Manganese	27	1.5	0.10	mg/Kg			1	6010B
7440-02-0	Nickel	4.4	1.5	0.098	mg/Kg			1	6010B
7440-09-7	Potassium	330	300	47	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.75	0.35	mg/Kg			1	6010B
7440-22-4	Silver	0.081	0.75	0.076	mg/Kg	J		1	6010B
7440-23-5	Sodium	ND	150	20	mg/Kg			1	6010B
7440-28-0	Thallium	ND	1.5	0.11	mg/Kg			1	6010B
7440-62-2	Vanadium	9.2	1.5	0.098	mg/Kg			1	6010B
7440-66-6	Zinc	16	3.8	0.88	mg/Kg			1	6010B
7440-31-5	Tin	2.5	7.5	0.48	mg/Kg	J	B ^	1	6010B
7439-97-6	Mercury	0.048	0.17	0.031	mg/Kg	J		1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-48668/6 09/04/2009 11:20				CCV 360-48668/13 09/04/2009 11:40				CCV 360-48668/20 09/04/2009 13:00			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	1040		1000	104	1000		1000	100	993		1000	99
Al	984		1000	98	5000		5000	100	4960		5000	99
As	987		1000	99	998		1000	100	984		1000	98
Ba	990		1000	99	1000		1000	100	995		1000	99
Be	987		1000	99	994		1000	99	987		1000	99
Cd	991		1000	99	995		1000	100	983		1000	98
Co	993		1000	99	996		1000	100	987		1000	99
Cr	978		1000	98	997		1000	100	987		1000	99
Cu	991		1000	99	1000		1000	100	993		1000	99
Fe	955		1000	95	4980		5000	100	4930		5000	99
Mn	988		1000	99	997		1000	100	987		1000	99
Ni	993		1000	99	996		1000	100	988		1000	99
Pb	991		1000	99	994		1000	99	983		1000	98
Sb	948		1000	95	1000		1000	100	991		1000	99
Se	1000		1000	100	998		1000	100	985		1000	98
Tl	992		1000	99	995		1000	100	986		1000	99
V	993		1000	99	998		1000	100	990		1000	99
Zn	1000		1000	100	993		1000	99	981		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.: 360-24417-1

SDG No.: OCRI-10

ICV Source: ICV1 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-48668/31 09/04/2009 14:11				CCV 360-48668/43 09/04/2009 14:46				CCV 360-48668/49 09/04/2009 15:28			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ag	1010		1000	101	1000		1000	100	1000		1000	100
Al	5010		5000	100	5020		5000	100	5030		5000	101
As	1010		1000	101	1010		1000	101	1000		1000	100
Ba	1010		1000	101	1010		1000	101	1010		1000	101
Be	1010		1000	101	1000		1000	100	1000		1000	100
Cd	1020		1000	102	1010		1000	101	1010		1000	101
Co	1010		1000	101	1010		1000	101	1000		1000	100
Cr	1010		1000	101	1010		1000	101	1000		1000	100
Cu	999		1000	100	991		1000	99	996		1000	100
Fe	5060		5000	101	5040		5000	101	5020		5000	100
Mn	1010		1000	101	1000		1000	100	1000		1000	100
Ni	1010		1000	101	1010		1000	101	1010		1000	101
Pb	1010		1000	101	1010		1000	101	1000		1000	100
Sb	1010		1000	101	1000		1000	100	1020		1000	102
Se	1000		1000	100	1000		1000	100	1000		1000	100
Tl	1010		1000	101	1000		1000	100	1010		1000	101
V	1010		1000	101	1010		1000	101	1010		1000	101
Zn	1020		1000	102	1020		1000	102	1010		1000	101

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	ICV 360-48668/6 09/04/2009 11:20				CCV 360-48668/13 09/04/2009 11:40				CCV 360-48668/20 09/04/2009 13:00			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	9860		10000	99	19900		20000	100	19800		20000	99
Mg	9730		10000	97	19900		20000	100	19800		20000	99
Na	9150		10000	92	19900		20000	100	19900		20000	99
Sn	985		1000	98	995		1000	100	988		1000	99

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

ICV Source: ICV2 ICP_00004 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-48668/31 09/04/2009 14:11				CCV 360-48668/43 09/04/2009 14:46				CCV 360-48668/49 09/04/2009 15:28			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Ca	20300		20000	101	20200		20000	101	20100		20000	101
Mg	20200		20000	101	20100		20000	100	20000		20000	100
Na	20100		20000	101	20100		20000	101	20100		20000	101
Sn	1010		1000	101	1000		1000	100	1000		1000	100

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-48668/13 09/04/2009 11:40				ICV 360-48668/16 09/04/2009 11:48				CCV 360-48668/20 09/04/2009 13:00			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	18900		20000	94	76700		75000	102	19600		20000	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.: 360-24417-1

SDG No.: OCRI-10

ICV Source: ME ICV KNa_00003 Concentration Units: ug/L

CCV Source: MEVARCCV_00009

Analyte	CCV 360-48668/31 09/04/2009 14:11				CCV 360-48668/43 09/04/2009 14:46				CCV 360-48668/49 09/04/2009 15:28			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
K	19600		20000	98	19600		20000	98	19900		20000	100

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

ICV Source: METHG1mg/L_00514 Concentration Units: ug/L

CCV Source: METHG1mg/L_00514

Analyte	ICV 360-48764/17 09/09/2009 13:22				CCV 360-48764/30 09/09/2009 13:55				CCV 360-48764/42 09/09/2009 14:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	5.10		5.00	102	4.77		5.00	95	5.00		5.00	100

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

ICV Source: METHG1mg/L_00514 Concentration Units: ug/L

CCV Source: METHG1mg/L_00514

Analyte	CCV 360-48764/54 09/09/2009 14:41				CCV 360-48764/66 09/09/2009 15:05							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	5.00		5.00	100	4.99		5.00	100				

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-48668/8 Concentration Units: ug/L

CRQL Check Standard Source: CRI-RL ICP_00004

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	96.4	J	96	70-130
Antimony	10.0	10.6		106	70-130
Arsenic	10.0	8.47	J	85	70-130
Barium	10.0	10.5		105	70-130
Beryllium	1.00	0.967	J	97	70-130
Cadmium	1.00	1.00		100	70-130
Calcium	400	355	J	89	70-130
Chromium	5.00	4.93	J	99	70-130
Cobalt	10.0	10.4		104	70-130
Copper	10.0	9.82	J	98	70-130
Iron	100	98.7	J	99	70-130
Lead	5.00	4.67	J	93	70-130
Magnesium	400	397	J	99	70-130
Manganese	10.0	9.26	J	93	70-130
Nickel	10.0	8.95	J	89	70-130
Potassium	4000	3240	J	81	70-130
Selenium	10.0	10.3		103	70-130
Silver	5.00	4.21	J	84	70-130
Sodium	2000	1790	J	89	70-130
Thallium	10.0	10.2		102	70-130
Vanadium	10.0	9.72	J	97	70-130
Zinc	50.0	48.3	J	97	70-130
Tin	50.0	28.6	J	57	70-130

Lab Sample ID: CRI 360-48668/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	6.00	6.37	J	106	70-130
Arsenic	50.0	48.1		96	70-130
Barium	2000	2020		101	70-130
Beryllium	4.00	4.03		101	70-130
Cadmium	5.00	5.04		101	70-130
Chromium	100	103		103	70-130
Lead	15.0	15.8		105	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.: 360-24417-1

SDG No.: OCRI-10

Analysis Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-48668/9 Concentration Units: ug/L

CRQL Check Standard Source: CRI-MCPICP_00006

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Nickel	100	105		105	70-130
Selenium	50.0	46.0		92	70-130
Silver	7.00	8.08		115	70-130
Thallium	2.00	2.23	J	111	70-130
Vanadium	50.0	49.9		100	70-130
Zinc	900	921		102	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.: 360-24417-1

SDG No.: OCRI-10

Concentration Units: ug/L

Analyte	RL	ICB 360-48668/7 09/04/2009 11:23		CCB 360-48668/14 09/04/2009 11:43		CCB 360-48668/21 09/04/2009 13:03		CCB 360-48668/32 09/04/2009 14:14	
		Found	C	Found	C	Found	C	Found	C
Ag	5.0	ND		ND		ND		ND	
Al	100	ND		ND		ND		ND	
As	10	3.15	J	ND		ND		ND	
Ba	10	ND		ND		ND		ND	
Be	1.0	ND		ND		ND		ND	
Ca	400	ND		ND		ND		ND	
Cd	1.0	ND		ND		ND		ND	
Co	10	ND		ND		ND		ND	
Cr	5.0	ND		ND		ND		ND	
Cu	10	ND		ND		ND		ND	
Fe	100	ND		ND		ND		ND	
K	4000	ND		ND		ND		ND	
Mg	400	ND		ND		ND		ND	
Mn	10	ND		ND		ND		ND	
Na	2000	ND		ND		ND		ND	
Ni	10	ND		ND		ND		ND	
Pb	5.0	ND		ND		ND		ND	
Sb	10	3.45	J	ND		ND		ND	
Se	10	ND		3.10	J	3.21	J	ND	
Sn	50	ND		ND		ND		ND	
Tl	10	1.69	J	1.58	J	1.62	J	ND	
V	10	ND		ND		ND		ND	
Zn	50	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Concentration Units: ug/L

Analyte	RL	CCB 360-48668/44 09/04/2009 14:48		CCB 360-48668/50 09/04/2009 15:31					
		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		561	J				
Mg	400	ND		ND					
Mn	10	ND		ND					
Na	2000	ND		ND					
Ni	10	ND		ND					
Pb	5.0	ND		ND					
Sb	10	ND		3.92	J				
Se	10	ND		ND					
Sn	50	ND		ND					
Tl	10	ND		ND					
V	10	ND		ND					
Zn	50	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Concentration Units: ug/L

Analyte	RL	ICB 360-48764/19 09/09/2009 13:26		CCB 360-48764/31 09/09/2009 13:57		CCB 360-48764/43 09/09/2009 14:20		CCB 360-48764/55 09/09/2009 14:42	
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Concentration Units: ug/L

Analyte	RL	CCB 360-48764/67 09/09/2009 15:07							
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	ND							

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Concentration Units: mg/Kg Lab Sample ID: MB 360-48596/1-A

Instrument Code: Varian ICP Batch No.: 48668

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010B
7440-36-0	Antimony	ND			6010B
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	0.0780	J		6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-70-2	Calcium	7.56	J		6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	1.37	J		6010B
7439-92-1	Lead	ND			6010B
7439-95-4	Magnesium	2.27	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	0.116	J		6010B
7440-62-2	Vanadium	ND			6010B
7440-66-6	Zinc	ND			6010B
7440-31-5	Tin	0.418	J		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Concentration Units: mg/Kg Lab Sample ID: MB 360-48671/1-A

Instrument Code: Hg Analyzer Batch No.: 48764

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7471A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: ICSA 360-48668/10 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		**0.214**	
Al	**100000**	**116776**	**117**
As		**0.737**	
Ba		**0.502**	
Be		**0.0120**	
Ca	**100000**	**107918**	**108**
Cd		**0.476**	
Co		**1.79**	
Cr		**0.435**	
Cu		**0.166**	
Fe	**40000**	**44999**	**112**
K		**1493**	
Mg	**100000**	**109786**	**110**
Mn		**2.21**	
Na		**108**	
Ni		**4.34**	
Pb		**-1.62**	
Sb		**-1.11**	
Se		**-4.34**	
Sn		**0.151**	
Tl		**-0.539**	
V		**1.60**	
Zn		**-1.64**	
B		*4.26*	
Li		*1.26*	
Mo		*0.921*	
Si		*-0.593*	
Si		*-1.02*	
SiO2		*-1.27*	
Sr		*0.549*	
Ti		*1.50*	
Zr		*0.682*	

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.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: ICSAB 360-48668/11 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSAB_00008

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Ag	**600**	**627**	**104**
Al	**100000**	**114186**	**114**
As	**2000**	**1911**	**96**
Ba	**600**	**577**	**96**
Be	**200**	**187**	**93**
Ca	**100000**	**105160**	**105**
Cd	**600**	**555**	**92**
Co	**600**	**559**	**93**
Cr	**600**	**556**	**93**
Cu	**600**	**589**	**98**
Fe	**40000**	**43950**	**110**
K	**40000**	**41477**	**104**
Mg	**100000**	**106108**	**106**
Mn	**400**	**372**	**93**
Na		**-26.6**	
Ni	**600**	**562**	**94**
Pb	**2000**	**1822**	**91**
Sb		**917**	
Se	**1000**	**938**	**94**
Sn		**230**	
Tl	**2000**	**1826**	**91**
V	**600**	**572**	**95**
Zn	**600**	**535**	**89**
B		*2.88*	
Li		*1.27*	
Mo		*0.550*	
Si		*-1.17*	
Si		*-0.363*	
SiO2		*-2.51*	
Sr		*0.566*	
Ti		*1.58*	
Zr		*1.77*	

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.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: ICSA 360-48668/51 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		**0.544**	
Al	**100000**	**117943**	**118**
As		**2.06**	
Ba		**0.491**	
Be		**-0.0428**	
Ca	**100000**	**109197**	**109**
Cd		**0.419**	
Co		**1.67**	
Cr		**0.394**	
Cu		**0.0517**	
Fe	**40000**	**45451**	**114**
K		**1874**	
Mg	**100000**	**110665**	**111**
Mn		**2.25**	
Na		**145**	
Ni		**4.46**	
Pb		**-1.28**	
Sb		**0.725**	
Se		**-2.40**	
Sn		**0.435**	
Tl		**-0.529**	
V		**1.92**	
Zn		**-0.964**	
B		*9.40*	
Li		*1.28*	
Mo		*2.23*	
Si		*7.51*	
Si		*7.92*	
SiO2		*16.1*	
Sr		*0.566*	
Ti		*1.69*	
Zr		*1.01*	

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.: 360-24417-1

SDG No.: OCRI-10

Lab Sample ID: ICSAB 360-48668/52 Instrument ID: Varian ICP

Lab File ID: ICS Source: ICSAB_00008

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Ag	**600**	**632**	**105**
Al	**100000**	**115414**	**115**
As	**2000**	**1930**	**96**
Ba	**600**	**583**	**97**
Be	**200**	**188**	**94**
Ca	**100000**	**106220**	**106**
Cd	**600**	**559**	**93**
Co	**600**	**563**	**94**
Cr	**600**	**558**	**93**
Cu	**600**	**597**	**100**
Fe	**40000**	**44357**	**111**
K	**40000**	**42259**	**106**
Mg	**100000**	**106829**	**107**
Mn	**400**	**374**	**94**
Na		**-32.8**	
Ni	**600**	**565**	**94**
Pb	**2000**	**1831**	**92**
Sb		**929**	
Se	**1000**	**942**	**94**
Sn		**229**	
Tl	**2000**	**1836**	**92**
V	**600**	**578**	**96**
Zn	**600**	**541**	**90**
B		*5.92*	
Li		*1.24*	
Mo		*1.16*	
Si		*8.54*	
Si		*8.43*	
SiO2		*18.3*	
Sr		*0.585*	
Ti		*1.65*	
Zr		*3.05*	

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: OC-SB-465-8.0/10-XXX MS
Lab ID: 360-24417-10 MS
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG No.: OCRI-10
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 88.5

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	4160		3800		372	96	75-125	4	6010B
Antimony	47.5		0.46	J	74.4	63	75-125	F	6010B
Arsenic	69.6		2.5		74.4	90	75-125		6010B
Barium	72.8		5.6		74.4	90	75-125		6010B
Beryllium	67.4		0.12	J	74.4	91	75-125		6010B
Cadmium	67.2		0.084	J	74.4	90	75-125		6010B
Calcium	2040		640		1490	95	75-125		6010B
Chromium	74.9		6.8		74.4	92	75-125		6010B
Cobalt	69.1		1.7		74.4	91	75-125		6010B
Copper	71.0		2.2		74.4	93	75-125		6010B
Iron	6250		5700		372	162	75-125	4	6010B
Lead	67.5		1.4		74.4	89	75-125		6010B
Magnesium	2200		950		1490	84	75-125		6010B
Manganese	103		33		74.4	95	75-125		6010B
Nickel	72.6		5.9		74.4	90	75-125		6010B
Potassium	2140		630		1490	101	75-125		6010B
Selenium	65.7		ND		74.4	88	75-125		6010B
Silver	70.6		ND		74.4	95	75-125		6010B
Sodium	1350		37	J	1490	88	75-125		6010B
Thallium	64.6		ND		74.4	87	75-125		6010B
Vanadium	75.7		6.4		74.4	93	75-125		6010B
Zinc	74.0		7.5		74.4	89	75-125		6010B
Tin	67.0		2.2	J	74.4	87	75-125		6010B
Mercury	1.13		ND		1.09	104	75-125		7471A

SSR = Spiked Sample Result

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

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: OC-SB-465-8.0/10-XXX PDS Lab ID: 360-24417-10 PDS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	4080		3800		369	NC	75-125		6010B
Antimony	67.9		0.46	J	73.9	91	75-125		6010B
Arsenic	72.1		2.5		73.9	94	75-125		6010B
Barium	75.6		5.6		73.9	95	75-125		6010B
Beryllium	69.5		0.12	J	73.9	94	75-125		6010B
Cadmium	69.4		0.084	J	73.9	94	75-125		6010B
Calcium	2080		640		1480	98	75-125		6010B
Chromium	77.5		6.8		73.9	96	75-125		6010B
Cobalt	71.4		1.7		73.9	94	75-125		6010B
Copper	73.4		2.2		73.9	96	75-125		6010B
Iron	5870		5700		369	NC	75-125		6010B
Lead	69.6		1.4		73.9	92	75-125		6010B
Magnesium	2320		950		1480	93	75-125		6010B
Manganese	102		33		73.9	94	75-125		6010B
Nickel	75.1		5.9		73.9	94	75-125		6010B
Potassium	2000		630		1480	93	75-125		6010B
Selenium	67.6		ND		73.9	92	75-125		6010B
Silver	67.7		ND		73.9	92	75-125		6010B
Sodium	1400		37	J	1480	92	75-125		6010B
Thallium	67.5		ND		73.9	91	75-125		6010B
Vanadium	77.5		6.4		73.9	96	75-125		6010B
Zinc	76.2		7.5		73.9	93	75-125		6010B
Tin	70.3		2.2	J	73.9	92	75-125		6010B

SSR = Spiked Sample Result

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

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: OC-SB-465-8.0/10-XXX DU
Lab ID: 360-24417-10 DU
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG No.: OCRI-10
% Solids for Sample: 88.5
% Solids for Duplicate: 88.5
Matrix: Solid
Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	3.7	3800		4290		12		6010B
Antimony	0.74	0.46	J	ND		NC		6010B
Arsenic	1.5	2.5		2.50		0		6010B
Barium	0.74	5.6		6.81		20		6010B
Beryllium	0.30	0.12	J	0.129	J	8		6010B
Cadmium	0.30	0.084	J	0.0799	J	5		6010B
Calcium	15	640		624		2		6010B
Chromium	0.74	6.8		6.73		0		6010B
Cobalt	0.74	1.7		1.81		5		6010B
Copper	1.5	2.2		2.14		3		6010B
Iron	7.4	5700		6060		7		6010B
Lead	0.74	1.4		1.13		20		6010B
Magnesium	15	950		1050		9		6010B
Manganese	1.5	33		37.8		15		6010B
Nickel	1.5	5.9		5.78		3		6010B
Potassium	300	630		703		11		6010B
Selenium	0.74	ND		ND		NC		6010B
Silver	0.74	ND		ND		NC		6010B
Sodium	150	37	J	40.9	J	11		6010B
Thallium	1.5	ND		ND		NC		6010B
Vanadium	1.5	6.4		6.72		4		6010B
Zinc	3.7	7.5		8.38		11		6010B
Tin	7.4	2.2	J	2.08	J	6		6010B
Mercury	0.16	ND		ND		NC		7471A

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-48596/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	250	228		91	80	120		6010B
Antimony	50.0	43.2		86	80	120		6010B
Arsenic	50.0	45.4		91	80	120		6010B
Barium	50.0	47.0		94	80	120		6010B
Beryllium	50.0	45.1		90	80	120		6010B
Cadmium	50.0	45.2		90	80	120		6010B
Calcium	1000	927		93	80	120		6010B
Chromium	50.0	46.2		92	80	120		6010B
Cobalt	50.0	45.8		92	80	120		6010B
Copper	50.0	46.9		94	80	120		6010B
Iron	250	229		92	80	120		6010B
Lead	50.0	45.1		90	80	120		6010B
Magnesium	1000	911		91	80	120		6010B
Manganese	50.0	46.2		92	80	120		6010B
Nickel	50.0	45.5		91	80	120		6010B
Potassium	1000	861		86	80	120		6010B
Selenium	50.0	44.5		89	80	120		6010B
Silver	50.0	48.6		97	80	120		6010B
Sodium	1000	906		91	80	120		6010B
Thallium	50.0	45.2		90	80	120		6010B
Vanadium	50.0	46.5		93	80	120		6010B
Zinc	50.0	44.5		89	80	120		6010B
Tin	50.0	45.8		92	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 360-48596/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

Sample Matrix: Solid LCS Source: stlma-3_00039

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	225		250	90	80-120	2	30		6010B
Antimony	43.4		50.0	87	80-120	0	30		6010B
Arsenic	44.6		50.0	89	80-120	2	30		6010B
Barium	46.4		50.0	93	80-120	1	30		6010B
Beryllium	44.6		50.0	89	80-120	1	30		6010B
Cadmium	44.5		50.0	89	80-120	2	30		6010B
Calcium	913		1000	91	80-120	2	30		6010B
Chromium	45.6		50.0	91	80-120	1	30		6010B
Cobalt	45.1		50.0	90	80-120	1	30		6010B
Copper	46.7		50.0	93	80-120	0	30		6010B
Iron	226		250	91	80-120	1	30		6010B
Lead	44.5		50.0	89	80-120	2	30		6010B
Magnesium	894		1000	89	80-120	2	30		6010B
Manganese	45.6		50.0	91	80-120	1	30		6010B
Nickel	45.1		50.0	90	80-120	1	30		6010B
Potassium	829		1000	83	80-120	4	30		6010B
Selenium	44.3		50.0	89	80-120	1	30		6010B
Silver	47.8		50.0	96	80-120	2	30		6010B
Sodium	885		1000	88	80-120	2	30		6010B
Thallium	44.4		50.0	89	80-120	2	30		6010B
Vanadium	46.0		50.0	92	80-120	1	30		6010B
Zinc	43.7		50.0	87	80-120	2	30		6010B
Tin	45.3		50.0	91	80-120	1	30		6010B

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

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-48671/2-A

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

Sample Matrix: Solid LCS Source: METHG1mg/L_00514

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.25	1.26		101	80	120		7471A

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 360-48671/3-A

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

Sample Matrix: Solid LCS Source: METHG1mg/L_00514

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	1.29		1.25	103	80-120	2	30		7471A

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

FORM VIID - IN

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

Lab ID: 360-24417-10

SDG No: OCRI-10

Lab Name: TestAmerica Westfield Job No: 360-24417-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	3800		3550		6.7		6010B
Antimony	0.46	J	3.09	J	NC		6010B
Arsenic	2.5		3.41	J	NC		6010B
Barium	5.6		5.88		5.3		6010B
Beryllium	0.12	J	ND		NC		6010B
Cadmium	0.084	J	0.0611	J	NC		6010B
Calcium	640		660		3.5		6010B
Chromium	6.8		7.85		16	V	6010B
Cobalt	1.7		1.94	J	NC		6010B
Copper	2.2		2.04	J	NC		6010B
Iron	5700		5000		12	V	6010B
Lead	1.4		1.36	J	NC		6010B
Magnesium	950		1030		8.4		6010B
Manganese	33		34.9		7.2		6010B
Nickel	5.9		6.01	J	1.1		6010B
Potassium	630		660	J	NC		6010B
Selenium	ND		ND		NC		6010B
Silver	ND		ND		NC		6010B
Sodium	37	J	ND		NC		6010B
Thallium	ND		0.662	J	NC		6010B
Vanadium	6.4		6.70	J	4.2		6010B
Zinc	7.5		7.75	J	NC		6010B
Tin	2.2	J	ND		NC		6010B

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24417-1

SDG Number: OCRI-10

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

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24417-1

SDG Number: OCRI-10

Matrix: Solid Instrument ID: Hg Analyzer

Analysis Method: 7471A MDL Date: 05/20/2009 14:47

Prep Method: 7471A

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.1	0.034

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24417-1

SDG No.: OCRI-10

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: 360-24417-1

SDG No.: OCRI-10

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														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-24417-1

SDG No.: OCRI-10

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: 360-24417-1

SDG No.: OCRI-10

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: 360-24417-1

SDG No.: OCRI-10

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: 360-24417-1

SDG No.: OCRI-10

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: 360-24417-1

SDG No.: OCRI-10

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: 360-24417-1

SDG No.: OCRI-10

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: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Varian ICP Date: 01/01/2009 14:05

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		200000	6010B
Antimony		50000	6010B
Arsenic		50000	6010B
Barium		10000	6010B
Beryllium		8000	6010B
Cadmium		15000	6010B
Calcium		500000	6010B
Chromium		50000	6010B
Cobalt		50000	6010B
Copper		50000	6010B
Iron		700000	6010B
Lead		50000	6010B
Magnesium		175000	6010B
Manganese		15000	6010B
Nickel		50000	6010B
Potassium		75000	6010B
Selenium		50000	6010B
Silver		25000	6010B
Sodium		500000	6010B
Thallium		50000	6010B
Vanadium		50000	6010B
Zinc		20000	6010B
Tin			6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-48596/1-A	09/04/2009 08:57	48596	2.0		100
LCS 360-48596/2-A	09/04/2009 08:57	48596	2.0		100
LCSD 360-48596/3-A	09/04/2009 08:57	48596	2.0		100
360-24417-10	09/04/2009 08:57	48596	1.53		100
360-24417-10 DU	09/04/2009 08:57	48596	1.52		100
360-24417-10 MS	09/04/2009 08:57	48596	1.52		100
360-24417-1	09/04/2009 08:57	48596	1.55		100
360-24417-3	09/04/2009 08:57	48596	1.77		100
360-24417-4	09/04/2009 08:57	48596	1.79		100
360-24417-6	09/04/2009 08:57	48596	1.55		100
360-24417-7	09/04/2009 08:57	48596	1.71		100
360-24417-9	09/04/2009 08:57	48596	1.70		100
360-24417-11	09/04/2009 08:57	48596	1.85		100
360-24417-13	09/04/2009 08:57	48596	1.95		100
360-24417-14	09/04/2009 08:57	48596	1.77		100
360-24417-15	09/04/2009 08:57	48596	1.64		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Preparation Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-48671/1-A	09/08/2009 08:29	48671	0.20		50
LCS 360-48671/2-A	09/08/2009 08:29	48671	0.20		50
LCSD 360-48671/3-A	09/08/2009 08:29	48671	0.20		50
360-24417-10	09/08/2009 08:29	48671	0.26		50
360-24417-10 DU	09/08/2009 08:29	48671	0.27		50
360-24417-10 MS	09/08/2009 08:29	48671	0.26		50
360-24417-1	09/08/2009 08:29	48671	0.28		50
360-24417-3	09/08/2009 08:29	48671	0.26		50
360-24417-4	09/08/2009 08:29	48671	0.27		50
360-24417-6	09/08/2009 08:29	48671	0.29		50
360-24417-7	09/08/2009 08:29	48671	0.29		50
360-24417-9	09/08/2009 08:29	48671	0.24		50
360-24417-11	09/08/2009 08:29	48671	0.25		50
360-24417-13	09/08/2009 08:29	48671	0.28		50
360-24417-14	09/08/2009 08:29	48671	0.27		50
360-24417-15	09/08/2009 08:29	48671	0.27		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/04/2009 11:05 End Date: 09/04/2009 16:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
ZZZZZZ			11:05																				
ZZZZZZ			11:08																				
ZZZZZZ			11:11																				
ZZZZZZ			11:14																				
ZZZZZZ			11:17																				
ICV 360-48668/6	1		11:20	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
ICB 360-48668/7	1		11:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-48668/8	1		11:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 360-48668/9	1		11:29	X		X	X	X		X		X							X	X	X	X	
ICSA 360-48668/10	1		11:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-48668/11	1		11:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:37																				
CCV 360-48668/13	1		11:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-48668/14	1		11:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 360-48668/15			11:46																				
ICV 360-48668/16	1		11:48												X								
ICV 360-48668/17			11:51																				
ICV 360-48668/18			11:58																				
CRI 360-48668/19			12:01																				
CCV 360-48668/20	1		13:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-48668/21	1		13:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 360-48596/1-A	1	T	13:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 360-48596/2-A	1	T	13:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSD 360-48596/3-A	1	T	13:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-10	1	T	13:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-10 DU	1	T	13:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-10 MS	1	T	13:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-10 SD	5	T	14:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-10 PDS	1	T	14:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-1	1	T	14:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 360-48668/31	1		14:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-48668/32	1		14:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-3	1	T	14:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-4	1	T	14:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-6	1	T	14:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-7	1	T	14:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-9	1	T	14:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-11	1	T	14:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-13	1	T	14:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-14	1	T	14:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
360-24417-15	1	T	14:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:43																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/04/2009 11:05 End Date: 09/04/2009 16:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Sn
CCV 360-48668/43	1		14:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-48668/44	1		14:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:51																				
ZZZZZZ			14:54																				
ZZZZZZ			14:57																				
ZZZZZZ			15:00																				
CCV 360-48668/49	1		15:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 360-48668/50	1		15:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 360-48668/51	1		16:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 360-48668/52	1		16:28	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.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/04/2009 11:05 End Date: 09/04/2009 16:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
ZZZZZZ			11:05																				
ZZZZZZ			11:08																				
ZZZZZZ			11:11																				
ZZZZZZ			11:14																				
ZZZZZZ			11:17																				
ICV 360-48668/6	1		11:20	X	X	X																	
ICB 360-48668/7	1		11:23	X	X	X																	
CRI 360-48668/8	1		11:26	X	X	X																	
CRI 360-48668/9	1		11:29	X	X	X																	
ICSA 360-48668/10	1		11:31	X	X	X																	
ICSAB 360-48668/11	1		11:34	X	X	X																	
ZZZZZZ			11:37																				
CCV 360-48668/13	1		11:40	X	X	X																	
CCB 360-48668/14	1		11:43	X	X	X																	
ICB 360-48668/15			11:46																				
ICV 360-48668/16	1		11:48																				
ICV 360-48668/17			11:51																				
ICV 360-48668/18			11:58																				
CRI 360-48668/19			12:01																				
CCV 360-48668/20	1		13:00	X	X	X																	
CCB 360-48668/21	1		13:03	X	X	X																	
MB 360-48596/1-A	1	T	13:09	X	X	X																	
LCS 360-48596/2-A	1	T	13:12	X	X	X																	
LCSD 360-48596/3-A	1	T	13:15	X	X	X																	
360-24417-10	1	T	13:18	X	X	X																	
360-24417-10 DU	1	T	13:21	X	X	X																	
360-24417-10 MS	1	T	13:59	X	X	X																	
360-24417-10 SD	5	T	14:02	X	X	X																	
360-24417-10 PDS	1	T	14:05	X	X	X																	
360-24417-1	1	T	14:08	X	X	X																	
CCV 360-48668/31	1		14:11	X	X	X																	
CCB 360-48668/32	1		14:14	X	X	X																	
360-24417-3	1	T	14:17	X	X	X																	
360-24417-4	1	T	14:20	X	X	X																	
360-24417-6	1	T	14:22	X	X	X																	
360-24417-7	1	T	14:25	X	X	X																	
360-24417-9	1	T	14:28	X	X	X																	
360-24417-11	1	T	14:31	X	X	X																	
360-24417-13	1	T	14:34	X	X	X																	
360-24417-14	1	T	14:37	X	X	X																	
360-24417-15	1	T	14:40	X	X	X																	
ZZZZZZ			14:43																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Varian ICP Method: 6010B

Start Date: 09/04/2009 11:05 End Date: 09/04/2009 16:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Tl	V	Zn																	
CCV 360-48668/43	1		14:46	X	X	X																	
CCB 360-48668/44	1		14:48	X	X	X																	
ZZZZZZ			14:51																				
ZZZZZZ			14:54																				
ZZZZZZ			14:57																				
ZZZZZZ			15:00																				
CCV 360-48668/49	1		15:28	X	X	X																	
CCB 360-48668/50	1		15:31	X	X	X																	
ICSA 360-48668/51	1		16:26	X	X	X																	
ICSAB 360-48668/52	1		16:28	X	X	X																	

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Hg Analyzer Method: 7471A

Start Date: 09/09/2009 12:46 End Date: 09/09/2009 15:41

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD01REP1 360-48764/1 IC			12:46	X																			
STD01REP2 360-48764/2 IC			12:48	X																			
STD02REP1 360-48764/3 IC			12:50	X																			
STD02REP2 360-48764/4 IC			12:53	X																			
STD03REP1 360-48764/5 IC			12:55	X																			
STD03REP2 360-48764/6 IC			12:57	X																			
STD04REP1 360-48764/7 IC			12:59	X																			
STD04REP2 360-48764/8 IC			13:01	X																			
STD05REP1 360-48764/9 IC			13:03	X																			
STD05REP2 360-48764/10 IC			13:04	X																			
STD06REP1 360-48764/11 IC			13:06	X																			
STD06REP2 360-48764/12 IC			13:08	X																			
STD01REP1 360-48764/13 IC			13:15	X																			
STD01REP2 360-48764/14 IC			13:17	X																			
STD02REP1 360-48764/15 IC			13:19	X																			
STD02REP2 360-48764/16 IC			13:20	X																			
ICV 360-48764/17	1		13:22	X																			
ZZZZZZ			13:24																				
ICB 360-48764/19	1		13:26	X																			
MB 360-48671/1-A	1	T	13:33	X																			
LCS 360-48671/2-A	1	T	13:35	X																			
LCSD 360-48671/3-A	1	T	13:37	X																			
360-24417-10	1	T	13:40	X																			
360-24417-10 DU	1	T	13:41	X																			
360-24417-10 MS	1	T	13:43	X																			
360-24417-1	1	T	13:46	X																			
360-24417-3	1	T	13:49	X																			
360-24417-4	1	T	13:51	X																			
360-24417-6	1	T	13:52	X																			
CCV 360-48764/30	1		13:55	X																			
CCB 360-48764/31	1		13:57	X																			
360-24417-7	1	T	13:58	X																			
360-24417-9	1	T	14:00	X																			
360-24417-11	1	T	14:02	X																			
ZZZZZZ			14:04																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Hg Analyzer Method: 7471A

Start Date: 09/09/2009 12:46 End Date: 09/09/2009 15:41

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
360-24417-14	1	T	14:06	X																			
360-24417-15	1	T	14:08	X																			
ZZZZZZ			14:09																				
ZZZZZZ			14:11																				
ZZZZZZ			14:13																				
ZZZZZZ			14:16																				
CCV 360-48764/42	1		14:18	X																			
CCB 360-48764/43	1		14:20	X																			
ZZZZZZ			14:21																				
ZZZZZZ			14:23																				
ZZZZZZ			14:26																				
ZZZZZZ			14:27																				
ZZZZZZ			14:30																				
ZZZZZZ			14:31																				
ZZZZZZ			14:33																				
ZZZZZZ			14:35																				
ZZZZZZ			14:37																				
ZZZZZZ			14:39																				
CCV 360-48764/54	1		14:41	X																			
CCB 360-48764/55	1		14:42	X																			
ZZZZZZ			14:44																				
ZZZZZZ			14:46																				
ZZZZZZ			14:48																				
ZZZZZZ			14:50																				
ZZZZZZ			14:52																				
360-24417-13	1	T	14:54	X																			
ZZZZZZ			14:58																				
ZZZZZZ			15:00																				
ZZZZZZ			15:02																				
ZZZZZZ			15:03																				
CCV 360-48764/66	1		15:05	X																			
CCB 360-48764/67	1		15:07	X																			
ZZZZZZ			15:09																				
ZZZZZZ			15:10																				
ZZZZZZ			15:12																				
ZZZZZZ			15:14																				
ZZZZZZ			15:16																				
ZZZZZZ			15:18																				
ZZZZZZ			15:20																				
ZZZZZZ			15:22																				
ZZZZZZ			15:23																				
ZZZZZZ			15:25																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: Hg Analyzer Method: 7471A

Start Date: 09/09/2009 12:46 End Date: 09/09/2009 15:41

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
CCV 360-48764/78			15:27																				
CCB 360-48764/79			15:30																				
ZZZZZZ			15:32																				
ZZZZZZ			15:33																				
ZZZZZZ			15:35																				
ZZZZZZ			15:37																				
CCV 360-48764/84			15:39																				
CCB 360-48764/85			15:41																				

Prep Types

T = Total/NA

Line Conc. Units SD/RSD 1 2 3 4 5

*** Standard: 1 Rep: 1 Seq: 0 12:46:26 09 Sep 09 HG
Hg .000 ppb 8467
*** Standard: 1 Rep: 2 Seq: 1 12:48:26 09 Sep 09 HG
Hg .000 ppb -12219
*** Standard: 2 Rep: 1 Seq: 2 12:50:09 09 Sep 09 HG
Hg .200 ppb 20376
*** Standard: 2 Rep: 2 Seq: 3 12:53:46 09 Sep 09 HG
Hg .200 ppb 16755
*** Standard: 3 Rep: 1 Seq: 4 12:55:33 09 Sep 09 HG
Hg .500 ppb 30246
*** Standard: 3 Rep: 2 Seq: 5 12:57:15 09 Sep 09 HG
Hg .500 ppb 32833
*** Standard: 4 Rep: 1 Seq: 6 12:59:01 09 Sep 09 HG
Hg 1.00 ppb 51105
*** Standard: 4 Rep: 2 Seq: 7 13:01:25 09 Sep 09 HG
Hg 1.00 ppb 58499
*** Standard: 5 Rep: 1 Seq: 8 13:03:06 09 Sep 09 HG
Hg 5.00 ppb 270397
*** Standard: 5 Rep: 2 Seq: 9 13:04:48 09 Sep 09 HG
Hg 5.00 ppb 266595
*** Standard: 6 Rep: 1 Seq: 10 13:06:44 09 Sep 09 HG
Hg 10.0 ppb 555625
*** Standard: 6 Rep: 2 Seq: 11 13:08:57 09 Sep 09 HG
Hg 10.0 ppb 558575
*** Standard: 1 Rep: 1 Seq: 12 13:15:19 09 Sep 09 HG
Hg .000 ppb 733
*** Standard: 1 Rep: 2 Seq: 13 13:17:14 09 Sep 09 HG
Hg .000 ppb 1970

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Standard: 2 Rep: 1              Seq:  14      13:19:16 09 Sep 09   HG

Hg    .200    ppb      13283

*** Standard: 2 Rep: 2              Seq:  15      13:20:58 09 Sep 09   HG

Hg    .200    ppb      11219

*** Check Standard: 2  Ck2ICV       Seq:  16      13:22:59 09 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          102.     5.10    5.00   ppb        .000

*** Check Standard: 3  Ck3IPC       Seq:  17      13:24:41 09 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          96.0     4.80    5.00   ppb        .000

*** Check Standard: 5  Ck5ICB       Seq:  18      13:26:26 09 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg         -24.5    -.024    .100   ppb        .000

*** Sample ID: MB                    Seq:  19      13:33:25 09 Sep 09   HG
                          48671
Hg    .071    ppb       .000      .071

================================================================================
*** Sample ID: LCS                   Seq:  20      13:35:06 09 Sep 09   HG

Hg    5.04    ppb       .000      5.04
                                                                              =
================================================================================
*** Sample ID: LCSD                  Seq:  21      13:37:41 09 Sep 09   HG

Hg    5.15    ppb       .000      5.15
                                                                              =
================================================================================
*** Sample ID: 24417E10A             Seq:  22      13:40:01 09 Sep 09   HG

Hg   -.000    ppb       .000     -.000
                                                                              =
================================================================================
*** Sample ID: 24417E10B             Seq:  23      13:41:47 09 Sep 09   HG
                             DU
Hg   -.027    ppb       .000     -.027
                                                                              =
================================================================================
*** Sample ID: 24417A10D             Seq:  24      13:43:59 09 Sep 09   HG
                             MS
Hg    5.19    ppb       .000      5.19
                                                                              =
================================================================================
*** Sample ID: 24417A1B              Seq:  25      13:46:30 09 Sep 09   HG

Hg    .035    ppb       .000      .035
                                                                              =
================================================================================
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: 24417A3B              Seq:  26     13:49:24 09 Sep 09   HG

Hg    .117    ppb       .000      .117
                                                                                =
================================================================================
*** Sample ID: 24417A4B              Seq:  27     13:51:16 09 Sep 09   HG

Hg    .117    ppb       .000      .117
                                                                                =
================================================================================
*** Sample ID: 24417A6B              Seq:  28     13:52:59 09 Sep 09   HG

Hg    .264    ppb       .000      .264
                                                                                =
*** Check Standard: 4  Ck4CCV       Seq:  29      13:55:22 09 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          95.5     4.77    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB       Seq:  30      13:57:04 09 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .073     .100     ppb        .000
                                                                                =
*** Sample ID: 24417E7A              Seq:  31     13:58:50 09 Sep 09   HG

Hg    .408    ppb       .000      .408
                                                                                =
================================================================================
*** Sample ID: 24417E9A              Seq:  32     14:00:41 09 Sep 09   HG

Hg   -.066    ppb       .000     -.066
                                                                                =
================================================================================
*** Sample ID: 24417E11A             Seq:  33     14:02:42 09 Sep 09   HG

Hg   -.085    ppb       .000     -.085
                                                                                =
================================================================================
*** Sample ID: 24417A13B             Seq:  34     14:04:25 09 Sep 09   HG

Hg   -.247    ppb       .000     -.247
                                                                                =
================================================================================
*** Sample ID: 24417E14A             Seq:  35     14:06:31 09 Sep 09   HG

Hg    .141    ppb       .000      .141
                                                                                =
================================================================================
*** Sample ID: 24417E15A             Seq:  36     14:08:12 09 Sep 09   HG

Hg    .209    ppb       .000      .209
                                                                                =
================================================================================
*** Sample ID: 24444E1B              Seq:  37     14:09:52 09 Sep 09   HG

Hg    .104    ppb       .000      .104
                                                                                =
================================================================================
 STL-WESTFIELD                 Folder:   09-09-09                     Page  499
                             Protocol: mercury
                            ***POST-RUN REPORT***
                                     Page 3
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: 24444E2C              Seq:  38     14:11:38 09 Sep 09   HG

Hg    .129    ppb       .000      .129
                                                                                =
================================================================================
*** Sample ID: 24444E2D              Seq:  39     14:13:32 09 Sep 09   HG
                            MS
Hg    5.39    ppb       .000      5.39
                                                                                =
================================================================================
*** Sample ID: 24444A3B              Seq:  40     14:16:06 09 Sep 09   HG

Hg    .056    ppb       .000      .056
                                                                                =
*** Check Standard: 4  Ck4CCV       Seq:  41      14:18:22 09 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.     5.00    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB       Seq:  42      14:20:07 09 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.032     .100     ppb        .000
                                                                                =
*** Sample ID: 24444A5B              Seq:  43     14:21:48 09 Sep 09   HG

Hg    .035    ppb       .000      .035
                                                                                =
================================================================================
*** Sample ID: 24444A8C              Seq:  44     14:23:45 09 Sep 09   HG

Hg   -.012    ppb       .000     -.012
                                                                                =
================================================================================
*** Sample ID: 24444A9F              Seq:  45     14:26:12 09 Sep 09   HG

Hg    .020    ppb       .000      .020
                                                                                =
================================================================================
*** Sample ID: 24444A9G              Seq:  46     14:27:53 09 Sep 09   HG
                            MS
Hg    5.12    ppb       .000      5.12
                                                                                =
================================================================================
*** Sample ID: 24444A12C             Seq:  47     14:30:06 09 Sep 09   HG

Hg    .029    ppb       .000      .029
                                                                                =
================================================================================
*** Sample ID: MB                    Seq:  48     14:31:58 09 Sep 09   HG
                            48674
Hg   -.007    ppb       .000     -.007
                                                                                =
================================================================================
*** Sample ID: LCS                   Seq:  49     14:33:49 09 Sep 09   HG

Hg    5.21    ppb       .000      5.21
                                                                                =
================================================================================
 STL-WESTFIELD                 Folder:   09-09-09                      Page  500
                             Protocol: mercury
                            ***POST-RUN REPORT***
                                     Page 4
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: LCSD                   Seq:  50     14:35:31 09 Sep 09   HG

Hg    5.09    ppb       .000      5.09
                                                                                =
================================================================================
*** Sample ID: 24395A1B               Seq:  51     14:37:27 09 Sep 09   HG

Hg    .033    ppb       .000      .033
                                                                                =
================================================================================
*** Sample ID: 24395A1C               Seq:  52     14:39:11 09 Sep 09   HG
                            DU
Hg    .029    ppb       .000      .029
                                                                                =
*** Check Standard: 4  Ck4CCV         Seq:  53     14:41:05 09 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.     5.00    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB         Seq:  54     14:42:49 09 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.011     .100     ppb        .000
                                                                                =
*** Sample ID: 24395A1D               Seq:  55     14:44:40 09 Sep 09   HG
                            MS
Hg    5.09    ppb       .000      5.09
                                                                                =
================================================================================
*** Sample ID: 24395A2B               Seq:  56     14:46:26 09 Sep 09   HG

Hg    .101    ppb       .000      .101
                                                                                =
================================================================================
*** Sample ID: 24395A3B               Seq:  57     14:48:14 09 Sep 09   HG

Hg    .026    ppb       .000      .026
                                                                                =
================================================================================
*** Sample ID: 24395A4B               Seq:  58     14:50:06 09 Sep 09   HG

Hg    .056    ppb       .000      .056
                                                                                =
================================================================================
*** Sample ID: 24395A5B               Seq:  59     14:52:10 09 Sep 09   HG

Hg   -.001    ppb       .000     -.001
                                                                                =
================================================================================
*** Sample ID: 24417A13B              Seq:  60     14:54:25 09 Sep 09   HG

Hg    .042    ppb       .000      .042
                                                                                =
================================================================================
*** Sample ID: MB                     Seq:  61     14:58:48 09 Sep 09   HG
                            48743
Hg    .006    ppb       .000      .006
                                                                                =
================================================================================
 STL-WESTFIELD                 Folder:   09-09-09                     Page  501
                             Protocol: mercury
                            ***POST-RUN REPORT***
                                     Page 5
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: LCS                    Seq:  62     15:00:31 09 Sep 09   HG

Hg    5.11    ppb       .000      5.11
                                                                                =
================================================================================
*** Sample ID: LCSD                   Seq:  63     15:02:13 09 Sep 09   HG

Hg    5.15    ppb       .000      5.15
                                                                                =
================================================================================
*** Sample ID: 24454A3D               Seq:  64     15:03:55 09 Sep 09   HG

Hg   -.007    ppb       .000     -.007
                                                                                =
*** Check Standard: 4  Ck4CCV         Seq:  65     15:05:39 09 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.8     4.99    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB         Seq:  66     15:07:29 09 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .015     .100     ppb        .000
                                                                                =
*** Sample ID: 24454A3E               Seq:  67     15:09:10 09 Sep 09   HG
                              DU
Hg    .027    ppb       .000      .027
                                                                                =
================================================================================
*** Sample ID: 24454A3F               Seq:  68     15:10:55 09 Sep 09   HG
                              MS
Hg    5.03    ppb       .000      5.03
                                                                                =
================================================================================
*** Sample ID: 24454A4B               Seq:  69     15:12:43 09 Sep 09   HG

Hg    .147    ppb       .000      .147
                                                                                =
================================================================================
*** Sample ID: 24454A6B               Seq:  70     15:14:48 09 Sep 09   HG

Hg   -.034    ppb       .000     -.034
                                                                                =
================================================================================
*** Sample ID: 24454A7B               Seq:  71     15:16:51 09 Sep 09   HG

Hg    .931    ppb       .000      .931
                                                                                =
================================================================================
*** Sample ID: 24454E8B               Seq:  72     15:18:46 09 Sep 09   HG

Hg   -.017    ppb       .000     -.017
                                                                                =
================================================================================
*** Sample ID: 24454E9B               Seq:  73     15:20:27 09 Sep 09   HG

Hg    .016    ppb       .000      .016
                                                                                =
================================================================================
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
--------------------------------------------------------------------------------

*** Sample ID: 24478B1B              Seq:  74     15:22:12 09 Sep 09   HG

Hg    .028    ppb       .000      .028
                                                                                =
================================================================================
*** Sample ID: 24478A2B              Seq:  75     15:23:58 09 Sep 09   HG

Hg    .080    ppb       .000      .080
                                                                                =
================================================================================
*** Sample ID: 24478B3B              Seq:  76     15:25:42 09 Sep 09   HG

Hg   -.018    ppb       .000     -.018
                                                                                =
*** Check Standard: 4  Ck4CCV       Seq:  77      15:27:38 09 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          98.5     4.92    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB       Seq:  78      15:30:13 09 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.008     .100     ppb        .000
                                                                                =
*** Sample ID: 24478A4B              Seq:  79     15:32:00 09 Sep 09   HG

Hg    .000    ppb       .000      .000
                                                                                =
================================================================================
*** Sample ID: 24478A5B              Seq:  80     15:33:47 09 Sep 09   HG

Hg    .032    ppb       .000      .032
                                                                                =
================================================================================
*** Sample ID: 24478A6B              Seq:  81     15:35:32 09 Sep 09   HG

Hg    .247    ppb       .000      .247
                                                                                =
================================================================================
*** Sample ID: 24482A1B              Seq:  82     15:37:19 09 Sep 09   HG

Hg    .166    ppb       .000      .166
                                                                                =
*** Check Standard: 4  Ck4CCV       Seq:  83      15:39:52 09 Sep 09   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.3     4.96    5.00   ppb        .000
                                                                                =
*** Check Standard: 1  Ck1CCB       Seq:  84      15:41:46 09 Sep 09   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .025     .100     ppb        .000
                                                                                =
```

WinHg Database 1.4

File Utility Help

Protocol mercury

Dataset/Proto 09-09-09/mercury

Protocol | Line info | Cal Curve | Report | Ctrl Chart | Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 1.80881e-5

C -6.87633e-3

Rho .999798

Type Linear

☑ Calibrated

☑ Accepted

Accept

Rel. Abs. 557100

Accepted

New

Include S1 Rep 1 ☑ 2 ☑ 3 ☐ 4 ☐ 5 ☐

Conc. 10.1

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	.018	.018	1352	874	733	1970	-142 ?
02	.20000	.215	.015	12251	11.91%	13283	11219	
03	.50000	.564	.064	31540	5.8%	30246	32833	
04	1.0000	.984	-.016	54803	9.54%	51105	58499	
05	5.0000	4.85	-.150	268496	1%	270398	266595	
06	10.000	10.1	.070	557101	0.37%	555625	558575	

Ready

CAP NUM

MET090409emn@720/725/730/735-ES@Quant@. All Data Report 9/8/2009, 8:05:30 AM

Blank (Blk) **9/4/2009, 11:05:50 AM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	1.373	57.5	2.38678
Al 237.312	0.000000	ug/L	4.573	32.3	14.1514
As 188.980	0.000000	ug/L	0.737	59.1	1.24678
B 249.678	0.000000	ug/L	2.805	7.8	36.1475
Ba 493.408	0.000000	ug/L	9.757	5.4	179.810
Be 313.042	0.000000	ug/L	5.349	2.8	194.026
Ca 373.690	0.000000	ug/L	0.118	0.1	203.494
Cd 214.439	0.000000	ug/L	0.525	14.8	3.54640
Co 228.615	0.000000	ug/L	0.181	1.8	10.3447
Cr 267.716	0.000000	ug/L	1.976	8.2	24.0649
Cu 327.395	0.000000	ug/L	10.660	11.6	92.2526
Fe 273.955	0.000000	ug/L	1.054	4.8	22.0015
K 404.721	0.000000	ug/L	2.046	21.6	9.46692
Li 610.365	0.000000	ug/L	1.092	16.8	6.51270
Mg 279.078	0.000000	ug/L	0.809	5.4	14.9061
Mn 257.610	0.000000	ug/L	2.007	0.6	314.912
Mo 202.032	0.000000	ug/L	0.191	2.6	7.30756
Na 330.237	0.000000	ug/L	0.074	0.8	9.30981
Ni 216.555	0.000000	ug/L	0.292	2.1	13.9308
Pb 220.353	0.000000	ug/L	0.020	0.3	6.30978
Sb 217.582	0.000000	ug/L	2.784	76.8	3.62527
Se 196.026	0.000000	ug/L	0.730	29.4	2.48452
Si 251.611	0.000000	ug/L	4.485	9.0	49.7143
Si 288.158	0.000000	ug/L	15.286	3.4	454.606
Sn 283.998	0.000000	ug/L	0.576	4.4	13.1053
Sr 421.552	0.000000	ug/L	8.325	6.5	127.467
Ti 336.122	0.000000	ug/L	3.860	8.2	47.2141
Tl 190.794	0.000000	ug/L	0.165	8.2	2.01959
V 292.401	0.000000	ug/L	1.923	12.9	14.8812
Zn 202.548	0.000000	ug/L	0.508	0.6	85.9544
Zr 339.198	0.000000	ug/L	1.959	32.9	5.95532

Standard 1 (Std) **9/4/2009, 11:08:44 AM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	40.024	0.5	7994.62
Al 237.312	5000.00	ug/L	55.002	0.2	22097.6
As 188.980	1000.00	ug/L	0.105	0.0	1002.06
B 249.678	1000.00	ug/L	552.507	2.0	27781.0
Ba 493.408	1000.00	ug/L	2753.120	0.1	2457439
Be 313.042	1000.00	ug/L	7724.788	0.2	3310948
Ca 373.690	20000.0	ug/L	278.119	0.3	94985.7
Cd 214.439	1000.00	ug/L	124.617	0.3	36066.9
Co 228.615	1000.00	ug/L	27.563	0.3	8454.99
Cr 267.716	1000.00	ug/L	193.540	0.4	45992.6
Cu 327.395	1000.00	ug/L	55.215	0.1	69547.8
Fe 273.955	5000.00	ug/L	252.398	0.3	76514.1
K 404.721	20000.0	ug/L	4.905	1.8	279.777
Li 610.365	5000.00	ug/L	956.185	0.3	356377
Mg 279.078	20000.0	ug/L	306.431	0.4	84536.0
Mn 257.610	1000.00	ug/L	849.478	0.3	293010
Mo 202.032	1000.00	ug/L	56.369	0.6	8964.84
Na 330.237	20000.0	ug/L	5.383	0.2	2663.35

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	22.619	0.3	8408.79
Pb 220.353	1000.00	ug/L	13.633	0.3	4724.36
Sb 217.582	1000.00	ug/L	4.710	0.2	1963.88
Se 196.026	1000.00	ug/L	0.474	0.1	541.405
Si 251.611	1000.00	ug/L	66.048	1.3	5157.20
Si 288.158	1000.00	ug/L	175.662	1.4	12499.3
Sn 283.998	1000.00	ug/L	10.779	0.2	4458.59
Sr 421.552	1000.00	ug/L	6038.869	0.2	2423855
Ti 336.122	1000.00	ug/L	507.692	0.2	234524
Tl 190.794	1000.00	ug/L	4.435	0.6	806.216
V 292.401	1000.00	ug/L	96.481	0.3	37429.2
Zn 202.548	1000.00	ug/L	68.433	0.3	22579.0
Zr 339.198	1000.00	ug/L	407.876	0.7	56184.1

Standard 2 (Std) **9/4/2009, 11:11:37 AM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	260.105	0.3	100834
Ca 373.690	100000	ug/L	784.999	0.2	431123
Fe 273.955	25000.0	ug/L	790.700	0.2	331484
K 404.721	100000	ug/L	4.809	0.3	1667.46
Mg 279.078	100000	ug/L	918.333	0.2	385038
Na 330.237	100000	ug/L	14.007	0.1	15185.7

RB (ICV) **9/4/2009, 11:14:31 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	0.505580	ug/L	0.385952	76.3	6.42749	-
Al 237.312	2.10619	ug/L	1.35985	64.6	23.6558	-
As 188.980	4.27767	ug/L	0.838838	19.6	5.52794	-
B 249.678	7.98557	ug/L	1.17279	14.7	257.706	-
Ba 493.408	0.569500	ug/L	0.270532	47.5	1579.22	-
Be 313.042	0.528962	ug/L	0.259152	49.0	1945.29	-
Ca 373.690	-27.8209uv	ug/L	4.96500	17.8	68.6581	-
Cd 214.439	0.538526	ug/L	0.268703	49.9	22.9674	-
Co 228.615	0.588673	ug/L	0.345931	58.8	15.3159	-
Cr 267.716	0.500536	ug/L	0.319173	63.8	47.0739	-
Cu 327.395	0.112194	ug/L	0.064875	57.8	100.045	-
Fe 273.955	5.86094	ug/L	1.97141	33.6	114.650	-
K 404.721	-9.61296uv	ug/L	209.404	2178.3	9.34473	-
Li 610.365	-0.222882uv	ug/L	0.249148	111.8	-9.37305	-
Mg 279.078	10.5742	ug/L	6.00960	56.8	60.5863	-
Mn 257.610	-0.344566uv	ug/L	0.274660	79.7	214.059	-
Mo 202.032	2.47162	ug/L	0.922280	37.3	29.4472	-
Na 330.237	-21.7889uv	ug/L	18.6267	85.5	6.52222	-
Ni 216.555	-0.747666uv	ug/L	0.166814	22.3	7.65425	-
Pb 220.353	0.842335	ug/L	0.856837	101.7	10.2840	-
Sb 217.582	1.32383	ug/L	0.113188	8.6	6.22031	-
Se 196.026	7.53067	ug/L	5.55485	73.8	6.54295	-
Si 251.611	0.424866uv	ug/L	1.26160	296.9	51.8843	-
Si 288.158	0.241638uv	ug/L	1.20208	497.5	457.516	-
Sn 283.998	-0.755806uv	ug/L	0.672673	89.0	9.74536	-
Sr 421.552	0.562741	ug/L	0.275534	49.0	1491.40	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	0.019764	ug/L	0.007593	38.4	51.8483	-
Tl 190.794	4.92743	ug/L	0.118502	2.4	5.98221	-
V 292.401	0.710168	ug/L	0.311705	43.9	41.4517	-
Zn 202.548	-1.48158uv	ug/L	0.387789	26.2	52.6292	-
Zr 339.198	0.336779	ug/L	0.161802	48.0	24.8749	-

IPC (ICV) **9/4/2009, 11:17:24 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	998.162	ug/L	1.25107	0.1	7979.93	99.81624
Al 237.312	4995.32	ug/L	2.90128	0.1	22077.4	99.90639
As 188.980	1002.30	ug/L	0.300555	0.0	1004.37	100.23025
B 249.678	1005.62	ug/L	22.1632	2.2	27936.8	100.56166
Ba 493.408	1000.29	ug/L	0.526662	0.1	2458146	100.02877
Be 313.042	994.109	ug/L	1.68810	0.2	3291444	99.41089
Ca 373.690	19951.6	ug/L	26.8949	0.1	94761.7	99.75817
Cd 214.439	995.131	ug/L	1.59332	0.2	35891.3	99.51306
Co 228.615	997.685	ug/L	1.14637	0.1	8435.44	99.76853
Cr 267.716	997.473	ug/L	1.44300	0.1	45876.5	99.74729
Cu 327.395	999.205	ug/L	2.84336	0.3	69492.6	99.92052
Fe 273.955	4982.96	ug/L	6.11468	0.1	76262.1	99.65926
K 404.721	19640.0	ug/L	501.428	2.6	274.646	98.20008
Li 610.365	4986.52	ug/L	6.00488	0.1	355416	99.73043
Mg 279.078	19890.5	ug/L	4.73844	0.0	84083.7	99.45274
Mn 257.610	997.223	ug/L	1.01837	0.1	292197	99.72228
Mo 202.032	998.126	ug/L	5.88637	0.6	8948.06	99.81263
Na 330.237	19907.1	ug/L	37.8730	0.2	2650.59	99.53568
Ni 216.555	1000.67	ug/L	3.97847	0.4	8414.41	100.06693
Pb 220.353	991.966	ug/L	1.90363	0.2	4686.46	99.19661
Sb 217.582	996.404	ug/L	1.48111	0.1	1956.83	99.64040
Se 196.026	998.953	ug/L	1.25250	0.1	540.841	99.89532
Si 251.611	993.817	ug/L	10.5715	1.1	5125.62	99.38170
Si 288.158	996.022	ug/L	10.5147	1.1	12451.4	99.60219
Sn 283.998	997.867	ug/L	2.42058	0.2	4449.11	99.78674
Sr 421.552	998.882	ug/L	1.22846	0.1	2421146	99.88823
Ti 336.122	993.055	ug/L	0.598650	0.1	232895	99.30552
Tl 190.794	995.763	ug/L	0.494509	0.0	802.809	99.57632
V 292.401	998.879	ug/L	1.09786	0.1	37387.3	99.88789
Zn 202.548	993.106	ug/L	1.92978	0.2	22424.0	99.31059
Zr 339.198	1014.21	ug/L	0.189854	0.0	56982.2	101.42064

ICV (ICV) **9/4/2009, 11:20:18 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	1037.01	ug/L	2.15490	0.2	8290.40	103.70085
Al 237.312	983.603	ug/L	1.43105	0.1	4434.25	98.36034
As 188.980	987.304	ug/L	1.76967	0.2	989.355	98.73038
B 249.678	998.617	ug/L	6.52412	0.7	27742.6	99.86172
Ba 493.408	989.502	ug/L	1.44904	0.1	2431644	98.95024
Be 313.042	986.896	ug/L	0.341944	0.0	3267562	98.68955
Ca 373.690	9864.72	ug/L	17.2157	0.2	47490.8	98.64725

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	991.407	ug/L	3.72526	0.4	35757.0	99.14074
Co 228.615	992.701	ug/L	1.15690	0.1	8393.35	99.27010
Cr 267.716	978.486	ug/L	1.82780	0.2	45003.7	97.84859
Cu 327.395	990.615	ug/L	2.39693	0.2	68895.9	99.06148
Fe 273.955	954.721	ug/L	2.84815	0.3	15021.6	95.47209
K 404.721	8838.19	ug/L	138.580	1.6	125.141	88.38190Q
Li 610.365	9876.38	ug/L	23.5403	0.2	703936	98.76379
Mg 279.078	9733.12	ug/L	26.1284	0.3	41617.1	97.33116
Mn 257.610	988.328	ug/L	1.00369	0.1	289594	98.83284
Mo 202.032	983.097	ug/L	4.46119	0.5	8813.44	98.30975
Na 330.237	9150.49	ug/L	29.8145	0.3	1199.94	91.50488
Ni 216.555	993.414	ug/L	1.77765	0.2	8353.50	99.34138
Pb 220.353	990.906	ug/L	1.90941	0.2	4681.46	99.09061
Sb 217.582	947.964	ug/L	1.73618	0.2	1861.87	94.79636
Se 196.026	1001.88	ug/L	4.15594	0.4	542.420	100.18822
Si 251.611	586.535	ug/L	37.8907	6.5	3045.44	117.30707Q
Si 288.158	583.177	ug/L	34.3867	5.9	7478.82	116.63545Q
Sn 283.998	984.688	ug/L	3.52310	0.4	4390.52	98.46879
Sr 421.552	981.720	ug/L	0.474742	0.0	2379549	98.17200
Ti 336.122	966.042	ug/L	0.036253	0.0	226561	96.60418
Tl 190.794	991.991	ug/L	0.311301	0.0	799.775	99.19907
V 292.401	992.757	ug/L	0.172763	0.0	37158.2	99.27566
Zn 202.548	1000.45	ug/L	3.02665	0.3	22589.2	100.04533
Zr 339.198	1021.03	ug/L	6.51169	0.6	57365.4	102.10288

ICB (ICB) **9/4/2009, 11:23:12 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	0.140235uv	ug/L	0.339619	242.2	3.50757	0.14023
Al 237.312	-1.82223uv	ug/L	0.765777	42.0	5.92828	-1.82223
As 188.980	3.14840	ug/L	1.94615	61.8	4.39775	3.14840
B 249.678	37.6534	ug/L	6.49669	17.3	1080.84	37.65344
Ba 493.408	0.124354	ug/L	0.045155	36.3	485.380	0.12435
Be 313.042	0.145938	ug/L	0.038226	26.2	677.191	0.14594
Ca 373.690	-38.3648uv	ug/L	0.470874	1.2	17.5560	-38.36480
Cd 214.439	0.142073	ug/L	0.047915	33.7	8.67002	0.14207
Co 228.615	0.028864uv	ug/L	0.120961	419.1	10.5885	0.02886
Cr 267.716	0.150614	ug/L	0.073505	48.8	30.9884	0.15061
Cu 327.395	-0.182616uv	ug/L	0.035414	19.4	79.5688	-0.18262
Fe 273.955	1.04373	ug/L	0.450023	43.1	38.5011	1.04373
K 404.721	113.609uv	ug/L	201.114	177.0	10.9166	113.60948
Li 610.365	-0.252217uv	ug/L	0.108801	43.1	-11.4639	-0.25222
Mg 279.078	0.104000uv	ug/L	0.681781	655.6	15.3553	0.10400
Mn 257.610	-0.783423uv	ug/L	0.045158	5.8	85.6076	-0.78342
Mo 202.032	12.3994	ug/L	2.13354	17.2	118.376	12.39939
Na 330.237	-4.45577uv	ug/L	49.3465	1107.5	8.73987	-4.45577
Ni 216.555	-1.13070uv	ug/L	0.096855	8.6	4.43877	-1.13070
Pb 220.353	0.368959	ug/L	0.256830	69.6	8.05055	0.36896
Sb 217.582	3.44527	ug/L	0.811329	23.5	10.3789	3.44527
Se 196.026	1.32751	ug/L	1.75040	131.9	3.19994	1.32751
Si 251.611	1.18871	ug/L	0.807302	67.9	55.7857	1.18871
Si 288.158	0.711287	ug/L	0.845723	118.9	463.173	0.71129
Sn 283.998	-0.704416uv	ug/L	0.548852	77.9	9.97382	-0.70442

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.117244	ug/L	0.042981	36.7	411.634	0.11724
Ti 336.122	0.509526	ug/L	0.223354	43.8	166.686	0.50953
Tl 190.794	1.69166	ug/L	0.333403	19.7	3.38001	1.69166
V 292.401	0.156738	ug/L	0.075844	48.4	20.7454	0.15674
Zn 202.548	-1.93122uv	ug/L	0.066932	3.5	42.5154	-1.93122
Zr 339.198	0.200606	ug/L	0.039841	19.9	17.2250	0.20061

CRI-RL (CRI) **9/4/2009, 11:26:06 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	4.21328	ug/L	0.319121	7.6	36.0603	84.26567
Al 237.312	96.4428	ug/L	0.544518	0.6	449.186	96.44280
As 188.980	8.47135	ug/L	0.964952	11.4	9.72504	84.71355
B 249.678	21.6015	ug/L	1.30621	6.0	635.477	216.01498R
Ba 493.408	10.4583	ug/L	0.044933	0.4	25878.6	104.58313
Be 313.042	0.967000	ug/L	0.010115	1.0	3395.53	96.70003
Ca 373.690	354.687	ug/L	1.51253	0.4	1921.84	88.67185
Cd 214.439	1.00003	ug/L	0.058243	5.8	39.6109	100.00312
Co 228.615	10.4240	ug/L	0.072092	0.7	98.3713	104.23955
Cr 267.716	4.93022	ug/L	0.079947	1.6	250.700	98.60449
Cu 327.395	9.81793	ug/L	0.178647	1.8	774.162	98.17934
Fe 273.955	98.7118	ug/L	1.00777	1.0	1581.48	98.71184
K 404.721	3244.07	ug/L	52.7678	1.6	51.2301	81.10182
Li 610.365	73.9863	ug/L	0.115891	0.2	5279.82	-R
Mg 279.078	397.005	ug/L	1.62528	0.4	1729.23	99.25125
Mn 257.610	9.25502	ug/L	0.055550	0.6	3023.81	92.55020
Mo 202.032	12.5832	ug/L	0.886041	7.0	120.022	125.83214
Na 330.237	1789.05	ug/L	71.5444	4.0	238.958	89.45264
Ni 216.555	8.94544	ug/L	0.212235	2.4	89.0265	89.45444
Pb 220.353	4.67227	ug/L	0.224544	4.8	28.3538	93.44534
Sb 217.582	10.5780	ug/L	0.374747	3.5	24.3607	105.77957
Se 196.026	10.3149	ug/L	0.594076	5.8	8.04343	103.14896
Si 251.611	92.4358	ug/L	1.19960	1.3	521.829	92.43578
Si 288.158	93.5850	ug/L	2.16583	2.3	1581.81	93.58501
Sn 283.998	28.5788	ug/L	0.648072	2.3	140.152	57.15754R
Sr 421.552	20.8935	ug/L	0.091859	0.4	50767.6	104.46747
Ti 336.122	9.90558	ug/L	0.124149	1.3	2369.84	99.05576
Tl 190.794	10.2096	ug/L	0.177603	1.7	10.2301	102.09634
V 292.401	9.72251	ug/L	0.035826	0.4	378.643	97.22513
Zn 202.548	48.2676	ug/L	0.668205	1.4	1171.64	96.53525
Zr 339.198	9.26859	ug/L	0.029524	0.3	526.647	-R

CRI2-MCP (CRI) **9/4/2009, 11:29:00 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	8.07653	ug/L	0.513749	6.4	66.9362	115.37894
Al 237.312	-2.07918uv	ug/L	0.176223	8.5	4.76874	-
As 188.980	48.1499	ug/L	0.849055	1.8	49.4359	96.29975
B 249.678	6.37695	ug/L	0.438207	6.9	213.075	-
Ba 493.408	2022.72	ug/L	2.02775	0.1	4970537	101.13621
Be 313.042	4.02686	ug/L	0.009923	0.2	13526.0	100.67141

MET090409emn@720/725/730/735-ES@Quant@. All Data Report 9/8/2009, 8:05:30 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	-27.3929uv	ug/L	0.832110	3.0	70.7323	-
Cd 214.439	5.04116	ug/L	0.012312	0.2	185.348	100.82323
Co 228.615	0.028257uv	ug/L	0.055835	197.6	10.5833	-
Cr 267.716	103.133	ug/L	0.191898	0.2	4764.95	103.13321
Cu 327.395	-0.279237uv	ug/L	0.062369	22.3	72.8580	-
Fe 273.955	0.357481	ug/L	0.012340	3.5	27.6527	-
K 404.721	84.9378	ug/L	59.7509	70.3	10.5502	-
Li 610.365	0.017332uv	ug/L	0.029492	170.2	7.74805	-
Mg 279.078	-0.964381uv	ug/L	0.437397	45.4	10.7399	-
Mn 257.610	-0.908629uv	ug/L	0.001601	0.2	48.9603	-
Mo 202.032	1.61754	ug/L	0.623537	38.5	21.7967	-
Na 330.237	106.425	ug/L	27.7266	26.1	22.9282	-
Ni 216.555	104.591	ug/L	0.265478	0.3	891.956	104.59085
Pb 220.353	15.7803	ug/L	0.380448	2.4	80.7619	105.20180
Sb 217.582	6.37347	ug/L	0.090005	1.4	16.1189	106.22446
Se 196.026	46.0328	ug/L	0.297979	0.6	27.2925	92.06555
Si 251.611	0.696513uv	ug/L	1.18487	170.1	53.2718	-
Si 288.158	0.319630uv	ug/L	0.822661	257.4	458.456	-
Sn 283.998	43.8672	ug/L	0.017455	0.0	208.117	-
Sr 421.552	-0.023602uv	ug/L	0.001987	8.4	70.2620	-
Ti 336.122	0.010023uv	ug/L	0.023182	231.3	49.5642	-
Tl 190.794	2.22919	ug/L	0.372211	16.7	3.81230	111.45971
V 292.401	49.9450	ug/L	0.036944	0.1	1883.54	99.88991
Zn 202.548	921.045	ug/L	5.00503	0.5	20803.1	102.33835
Zr 339.198	-0.005898uv	ug/L	0.024610	417.2	5.62396	-

Interf Check A (ICSA) **9/4/2009, 11:31:55 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	0.214144	ug/L	0.274301	128.1	4.09827	0.21414
Al 237.312	116776	ug/L	651.279	0.6	4269086	775.88281K
As 188.980	0.737276	ug/L	0.406124	55.1	1.98466	0.73728
B 249.678	4.25545	ug/L	0.060853	1.4	154.214	4.25545
Ba 493.408	0.501589	ug/L	0.055480	11.1	1412.34	0.50159
Be 313.042	0.012022	ug/L	0.000460	3.8	233.828	0.01202
Ca 373.690	107918	ug/L	470.972	0.4	4609897	918.35938K
Cd 214.439	0.476141	ug/L	0.003988	0.8	20.7177	0.47614
Co 228.615	1.78927	ug/L	0.137039	7.7	25.4545	1.78927
Cr 267.716	0.435012	ug/L	0.061915	14.2	44.0618	0.43501
Cu 327.395	0.166342	ug/L	0.076450	46.0	103.806	0.16634
Fe 273.955	44998.5	ug/L	230.235	0.5	5456404	998.50391K
K 404.721	1493.46	ug/L	434.381	29.1	28.5967	1493.45837
Li 610.365	1.26109	ug/L	0.050438	4.0	96.3955	1.26109
Mg 279.078	109786	ug/L	501.201	0.5	4181209	786.43750K
Mn 257.610	2.20848	ug/L	0.032004	1.4	961.322	2.20848
Mo 202.032	0.920554	ug/L	0.475275	51.6	15.5535	0.92055
Na 330.237	108.310	ug/L	110.180	101.7	23.1709	108.31018
Ni 216.555	4.33826	ug/L	0.528161	12.2	50.3499	4.33826
Pb 220.353	-1.61849uv	ug/L	0.076912	4.8	-1.32635	-1.61849
Sb 217.582	-1.10765uv	ug/L	0.498570	45.0	1.45401	-1.10765
Se 196.026	-4.33961uv	ug/L	2.98750	68.8	0.145813	-4.33961
Si 251.611	-0.592544uv	ug/L	1.35101	228.0	46.6879	-0.59254
Si 288.158	-1.01503uv	ug/L	1.30777	128.8	442.380	-1.01503

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 283.998	0.151150uv	ug/L	0.614306	406.4	13.7772	0.15115
Sr 421.552	0.549290	ug/L	0.002630	0.5	1458.80	0.54929
Ti 336.122	1.50345	ug/L	0.004428	0.3	399.739	1.50345
Tl 190.794	-0.539330uv	ug/L	1.13553	210.5	1.58586	-0.53933
V 292.401	1.59565	ug/L	0.037734	2.4	74.5813	1.59565
Zn 202.548	-1.63992uv	ug/L	0.292681	17.8	49.0676	-1.63992
Zr 339.198	0.681750	ug/L	0.071757	10.5	44.2548	0.68175

Interf Check AB (ICSAB) **9/4/2009, 11:34:49 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	626.834	ug/L	1.40204	0.2	5012.19	104.47237
Al 237.312	114186	ug/L	291.543	0.3	417708	114.18644
As 188.980	1911.43	ug/L	3.37464	0.2	1914.24	95.57159
B 249.678	2.87790	ug/L	0.578446	20.1	115.994	-
Ba 493.408	576.741	ug/L	1.25953	0.2	1417381	96.12344
Be 313.042	186.578	ug/L	0.697849	0.4	617907	93.28886
Ca 373.690	105160	ug/L	354.073	0.3	450585	105.15999
Cd 214.439	554.795	ug/L	1.78943	0.3	20011.3	92.46586
Co 228.615	558.726	ug/L	1.36838	0.2	4728.59	93.12104
Cr 267.716	555.682	ug/L	1.51999	0.3	25568.0	92.61369
Cu 327.395	588.675	ug/L	4.32525	0.7	40979.0	98.11258
Fe 273.955	43949.6	ug/L	77.0222	0.2	534407	109.87395
K 404.721	41477.0	ug/L	352.203	0.8	604.175	103.69262
Li 610.365	1.27151	ug/L	0.011006	0.9	97.1387	-
Mg 279.078	106108	ug/L	383.766	0.4	405686	106.10815
Mn 257.610	372.106	ug/L	1.19305	0.3	109229	93.02660
Mo 202.032	0.549648	ug/L	0.091057	16.6	12.2310	-
Na 330.237	-26.5825uv	ug/L	14.2628	53.7	5.90894	-
Ni 216.555	562.363	ug/L	4.99140	0.9	4734.89	93.72713
Pb 220.353	1822.05	ug/L	4.87379	0.3	8602.83	91.10242
Sb 217.582	917.120	ug/L	3.58866	0.4	1801.41	91.71199
Se 196.026	937.711	ug/L	0.993031	0.1	507.836	93.77107
Si 251.611	-1.17215uv	ug/L	1.36774	116.7	43.7276	-
Si 288.158	-0.362951uv	ug/L	1.05401	290.4	450.234	-
Sn 283.998	230.357	ug/L	0.694030	0.3	1037.16	-
Sr 421.552	0.565700	ug/L	0.004199	0.7	1498.57	-
Ti 336.122	1.58107	ug/L	0.035324	2.2	417.939	-
Tl 190.794	1826.21	ug/L	7.51534	0.4	1470.65	91.31051
V 292.401	571.515	ug/L	1.26735	0.2	21397.7	95.25248
Zn 202.548	535.032	ug/L	0.447078	0.1	12120.5	89.17204
Zr 339.198	1.77495	ug/L	0.116226	6.5	105.669	-

RB (ICSAB) **9/4/2009, 11:37:44 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	0.283097uv	ug/L	0.581509	205.4	4.64935	-
Al 237.312	0.966469	ug/L	0.196443	20.3	18.5127	-
As 188.980	0.433938uv	ug/L	0.697685	160.8	1.68107	-
B 249.678	0.819977	ug/L	0.213857	26.1	58.8976	-
Ba 493.408	-0.015281uv	ug/L	0.001700	11.1	142.261	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	0.009299	ug/L	0.000351	3.8	224.814	-
Ca 373.690	-36.1318uv	ug/L	0.048157	0.1	28.3785	-
Cd 214.439	0.029430	ug/L	0.003772	12.8	4.60774	-
Co 228.615	-0.081601uv	ug/L	0.130339	159.7	9.65564	-
Cr 267.716	-0.034419uv	ug/L	0.021290	61.9	22.4827	-
Cu 327.395	-0.419314uv	ug/L	0.099525	23.7	63.1289	-
Fe 273.955	4.83505	ug/L	1.00886	20.9	98.4335	-
K 404.721	178.353	ug/L	215.091	120.6	11.7429	-
Li 610.365	-0.010495uv	ug/L	0.014281	136.1	5.76465	-
Mg 279.078	3.01757	ug/L	0.901873	29.9	27.9420	-
Mn 257.610	-0.887046uv	ug/L	0.002772	0.3	55.2775	-
Mo 202.032	0.148817uv	ug/L	0.381398	256.3	8.64059	-
Na 330.237	-0.790987uv	ug/L	1.12942	142.8	9.20862	-
Ni 216.555	-1.22055uv	ug/L	0.081239	6.7	3.68445	-
Pb 220.353	0.048819	ug/L	0.048834	100.0	6.54012	-
Sb 217.582	1.07026uv	ug/L	2.16102	201.9	5.72325	-
Se 196.026	2.82021	ug/L	0.728525	25.8	4.00438	-
Si 251.611	1.11516	ug/L	0.748646	67.1	55.4100	-
Si 288.158	0.848578	ug/L	0.729735	86.0	464.827	-
Sn 283.998	-0.919327uv	ug/L	1.23222	134.0	9.01843	-
Sr 421.552	-0.043381uv	ug/L	0.001685	3.9	22.3237	-
Ti 336.122	-0.059233uv	ug/L	0.028200	47.6	33.3254	-
Tl 190.794	4.94020	ug/L	0.768806	15.6	5.99248	-
V 292.401	-0.110996uv	ug/L	0.118040	106.3	10.7283	-
Zn 202.548	-2.03551uv	ug/L	0.016760	0.8	40.1695	-
Zr 339.198	-0.023058uv	ug/L	0.016669	72.3	4.65997	-

CCV (CCV) **9/4/2009, 11:40:37 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	999.531	ug/L	3.22510	0.3	7990.86	99.95306
Al 237.312	4996.44	ug/L	15.4731	0.3	22082.2	99.92871
As 188.980	997.767	ug/L	0.156363	0.0	999.827	99.77669
B 249.678	1001.87	ug/L	15.7049	1.6	27832.9	100.18701
Ba 493.408	1001.05	ug/L	4.71311	0.5	2460029	100.10538
Be 313.042	994.426	ug/L	4.37302	0.4	3292495	99.44263
Ca 373.690	19929.1	ug/L	77.3191	0.4	94657.1	99.64529
Cd 214.439	995.379	ug/L	3.25686	0.3	35900.3	99.53790
Co 228.615	995.936	ug/L	2.50124	0.3	8420.67	99.59361
Cr 267.716	996.507	ug/L	4.35149	0.4	45832.1	99.65074
Cu 327.395	999.557	ug/L	5.70036	0.6	69517.0	99.95568
Fe 273.955	4983.40	ug/L	20.0655	0.4	76268.5	99.66792
K 404.721	18882.0	ug/L	235.212	1.2	263.860	94.41015
Li 610.365	4990.12	ug/L	17.3390	0.3	355673	99.80244
Mg 279.078	19903.3	ug/L	72.3680	0.4	84136.5	99.51659
Mn 257.610	996.708	ug/L	3.34391	0.3	292047	99.67080
Mo 202.032	996.534	ug/L	8.99731	0.9	8933.80	99.65343
Na 330.237	19931.4	ug/L	62.8013	0.3	2653.92	99.65680
Ni 216.555	996.194	ug/L	5.87951	0.6	8376.84	99.61943
Pb 220.353	993.938	ug/L	0.923028	0.1	4695.76	99.39378
Sb 217.582	1001.57	ug/L	3.07935	0.3	1966.96	100.15724
Se 196.026	997.728	ug/L	2.00712	0.2	540.181	99.77284
Si 251.611	993.477	ug/L	14.4554	1.5	5123.89	99.34770

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	991.946	ug/L	14.5041	1.5	12402.3	99.19456
Sn 283.998	995.154	ug/L	3.07590	0.3	4437.05	99.51535
Sr 421.552	998.804	ug/L	4.25239	0.4	2420956	99.88042
Ti 336.122	995.471	ug/L	3.57213	0.4	233461	99.54705
Tl 190.794	995.087	ug/L	7.19761	0.7	802.264	99.50865
V 292.401	997.684	ug/L	4.52084	0.5	37342.6	99.76840
Zn 202.548	993.350	ug/L	3.11487	0.3	22429.4	99.33504
Zr 339.198	984.582	ug/L	9.36524	1.0	55317.9	98.45821

CCB (CCB) **9/4/2009, 11:43:31 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	0.019382	ug/L	0.022821	117.7	2.54169	0.01938
Al 237.312	-1.38491uv	ug/L	0.744412	53.8	7.90173	-1.38491
As 188.980	1.21547	ug/L	0.677714	55.8	2.46324	1.21547
B 249.678	29.3953	ug/L	5.44000	18.5	851.715	29.39532
Ba 493.408	-0.021308uv	ug/L	0.010471	49.1	127.451	-0.02131
Be 313.042	0.008453	ug/L	0.003432	40.6	222.012	0.00845
Ca 373.690	-35.7831uv	ug/L	0.161375	0.5	30.0682	-35.78315
Cd 214.439	-0.026242uv	ug/L	0.018129	69.1	2.60004	-0.02624
Co 228.615	-0.070417uv	ug/L	0.021268	30.2	9.75008	-0.07042
Cr 267.716	-0.082668uv	ug/L	0.011761	14.2	20.2648	-0.08267
Cu 327.395	-0.478252uv	ug/L	0.069915	14.6	59.0353	-0.47825
Fe 273.955	0.640825	ug/L	0.217224	33.9	32.1319	0.64082
K 404.721	480.976	ug/L	133.030	27.7	15.6083	480.97583
Li 610.365	0.812993	ug/L	0.021489	2.6	64.4580	0.81299
Mg 279.078	-1.55723uv	ug/L	0.340870	21.9	8.17883	-1.55723
Mn 257.610	-0.909149uv	ug/L	0.005931	0.7	48.8081	-0.90915
Mo 202.032	10.5581	ug/L	2.15084	20.4	101.882	10.55806
Na 330.237	3.38231uv	ug/L	43.7098	1292.3	9.74268	3.38231
Ni 216.555	-1.19974uv	ug/L	0.183484	15.3	3.85919	-1.19974
Pb 220.353	0.011695uv	ug/L	0.444998	3805.2	6.36496	0.01169
Sb 217.582	0.427830	ug/L	0.395245	92.4	4.46393	0.42783
Se 196.026	3.10098	ug/L	1.49367	48.2	4.15570	3.10098
Si 251.611	0.497989uv	ug/L	0.741100	148.8	52.2578	0.49799
Si 288.158	-0.189393uv	ug/L	1.21420	641.1	452.324	-0.18939
Sn 283.998	-1.36523uv	ug/L	0.340162	24.9	7.03619	-1.36523
Sr 421.552	-0.027961uv	ug/L	0.001894	6.8	59.6975	-0.02796
Ti 336.122	0.231869	ug/L	0.100015	43.1	101.582	0.23187
Tl 190.794	1.58070	ug/L	0.576002	36.4	3.29078	1.58070
V 292.401	0.004839uv	ug/L	0.037741	780.0	15.0622	0.00484
Zn 202.548	-1.99368uv	ug/L	0.024579	1.2	41.1105	-1.99368
Zr 339.198	0.507765	ug/L	0.094635	18.6	34.4806	0.50776

ICB RR (Samp) **9/4/2009, 11:46:22 AM** **Rack 1, Tube 1**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.078285uv	ug/L	0.467752	597.5	1.76111
Al 237.312	-1.32293uv	ug/L	0.229590	17.4	8.18146
As 188.980	0.347282uv	ug/L	1.03404	297.8	1.59435
B 249.678	8.89004	ug/L	1.09265	12.3	282.800

MET090409emn@720/725/730/735-ES@Quant@. All Data Report 9/8/2009, 8:05:30 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	-0.018891uv	ug/L	0.002169	11.5	133.390
Be 313.042	0.007761	ug/L	0.001132	14.6	219.722
Ca 373.690	-37.6901uv	ug/L	0.689989	1.8	20.8262
Cd 214.439	-0.017433uv	ug/L	0.015005	86.1	2.91769
Co 228.615	-0.069413uv	ug/L	0.015146	21.8	9.75856
Cr 267.716	-0.156676uv	ug/L	0.045375	29.0	16.8628
Cu 327.395	-0.476911uv	ug/L	0.046266	9.7	59.1284
Fe 273.955	0.964278	ug/L	0.321281	33.3	37.2451
K 404.721	323.569	ug/L	271.960	84.1	13.5977
Li 610.365	0.111092	ug/L	0.002965	2.7	14.4307
Mg 279.078	-0.432359uv	ug/L	0.159666	36.9	13.0383
Mn 257.610	-0.847202uv	ug/L	0.004678	0.6	66.9395
Mo 202.032	2.52002	ug/L	0.875565	34.7	29.8807
Na 330.237	32.1461	ug/L	6.54230	20.4	13.4227
Ni 216.555	-1.06846uv	ug/L	0.091400	8.6	4.96126
Pb 220.353	0.143637uv	ug/L	0.487383	339.3	6.98747
Sb 217.582	0.159232uv	ug/L	0.909865	571.4	3.93741
Se 196.026	-1.31958uv	ug/L	2.08997	158.4	1.77337
Si 251.611	0.586205uv	ug/L	1.04427	178.1	52.7084
Si 288.158	0.502076uv	ug/L	0.876423	174.6	460.653
Sn 283.998	-0.852573uv	ug/L	0.789717	92.6	9.31519
Sr 421.552	-0.030301uv	ug/L	0.001101	3.6	54.0261
Ti 336.122	0.067534	ug/L	0.073656	109.1	63.0493
Tl 190.794	0.284538uv	ug/L	0.658179	231.3	2.24841
V 292.401	-0.080242uv	ug/L	0.040034	49.9	11.8790
Zn 202.548	-2.05252uv	ug/L	0.086538	4.2	39.7869
Zr 339.198	0.189866	ug/L	0.023768	12.5	16.6216

ICVNa K Mg Ca 75ppm (Samp) 9/4/2009, 11:48:48 AM Rack 1, Tube 2

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.074986uv	ug/L	0.125151	166.9	1.78748
Al 237.312	1.61142	ug/L	0.255702	15.9	21.4231
As 188.980	1.16336	ug/L	0.644347	55.4	2.41109
B 249.678	4.20550	ug/L	0.303979	7.2	152.828
Ba 493.408	0.246488	ug/L	0.034937	14.2	785.495
Be 313.042	0.057906	ug/L	0.020438	35.3	385.739
Ca 373.690	77462.7	ug/L	51.1548	0.1	343387
Cd 214.439	0.030075	ug/L	0.024622	81.9	4.63101
Co 228.615	0.622690	ug/L	0.126527	20.3	15.6031
Cr 267.716	0.136702	ug/L	0.061603	45.1	30.3489
Cu 327.395	0.141142	ug/L	0.020063	14.2	102.056
Fe 273.955	3.69813	ug/L	0.162481	4.4	80.4617
K 404.721	76703.1	ug/L	3.59631	0.0	1212.75
Li 610.365	1.05103	ug/L	0.106146	10.1	81.4238
Mg 279.078	78228.6	ug/L	54.2152	0.1	309214
Mn 257.610	1.34796	ug/L	0.021496	1.6	709.454
Mo 202.032	1.47163	ug/L	0.567127	38.5	20.4897
Na 330.237	77412.5	ug/L	72.8596	0.1	11341.1
Ni 216.555	-0.145240uv	ug/L	0.430833	296.6	12.7115
Pb 220.353	0.198873	ug/L	0.091777	46.1	7.24808
Sb 217.582	1.61820	ug/L	0.065225	4.0	6.79735
Se 196.026	-1.07464uv	ug/L	0.261771	24.4	1.90537

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	5.12462	ug/L	0.524188	10.2	75.8883
Si 288.158	1.70742	ug/L	0.705069	41.3	475.171
Sn 283.998	-1.38204uv	ug/L	0.134441	9.7	6.96143
Sr 421.552	0.473989	ug/L	0.019601	4.1	1276.29
Ti 336.122	1.32358	ug/L	0.073730	5.6	357.562
Tl 190.794	0.958807	ug/L	0.258525	27.0	2.79066
V 292.401	1.18347	ug/L	0.027671	2.3	59.1600
Zn 202.548	-2.75164uv	ug/L	0.701186	25.5	24.0616
Zr 339.198	0.521315	ug/L	0.070042	13.4	35.2418

ICV Sb 1ppm (Samp) **9/4/2009, 11:51:37 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.393311	ug/L	0.054767	13.9	5.53021
Al 237.312	-0.850121uv	ug/L	0.538636	63.4	10.3151
As 188.980	-0.034133uv	ug/L	0.125171	366.7	1.21262
B 249.678	1.79346	ug/L	0.186821	10.4	85.9067
Ba 493.408	-0.011965uv	ug/L	0.009957	83.2	150.408
Be 313.042	0.015292	ug/L	0.001548	10.1	244.654
Ca 373.690	-30.4087uv	ug/L	0.187750	0.6	56.1160
Cd 214.439	0.032762uv	ug/L	0.049516	151.1	4.72792
Co 228.615	-0.194197uv	ug/L	0.019114	9.8	8.70480
Cr 267.716	-0.071879uv	ug/L	0.115628	160.9	20.7608
Cu 327.395	-0.462698uv	ug/L	0.082214	17.8	60.1156
Fe 273.955	0.273092	ug/L	0.089706	32.8	26.3187
K 404.721	488.358	ug/L	572.829	117.3	15.7086
Li 610.365	-0.072111uv	ug/L	0.069757	96.7	1.37305
Mg 279.078	2.21095	ug/L	0.365528	16.5	24.4574
Mn 257.610	-0.875471uv	ug/L	0.016523	1.9	58.6655
Mo 202.032	0.532429	ug/L	0.475440	89.3	12.0768
Na 330.237	-1.64707uv	ug/L	23.9186	1452.2	9.09912
Ni 216.555	-1.15627uv	ug/L	0.163257	14.1	4.22404
Pb 220.353	-0.165190uv	ug/L	0.552632	334.5	5.53041
Sb 217.582	975.547	ug/L	4.15969	0.4	1915.94
Se 196.026	-0.645274uv	ug/L	0.279550	43.3	2.13676
Si 251.611	1.29334	ug/L	1.21910	94.3	56.3201
Si 288.158	1.25328	ug/L	1.25142	99.9	469.701
Sn 283.998	-0.541705uv	ug/L	0.807464	149.1	10.6971
Sr 421.552	-0.015914uv	ug/L	0.001042	6.5	88.8958
Ti 336.122	0.000823uv	ug/L	0.031063	3774.0	47.4071
Tl 190.794	0.735806	ug/L	0.509832	69.3	2.61132
V 292.401	-0.151343uv	ug/L	0.040627	26.8	9.21875
Zn 202.548	-1.81479uv	ug/L	0.021988	1.2	45.1342
Zr 339.198	13.0900	ug/L	1.73015	13.2	741.328

ICV Si 1ppm (Samp) **9/4/2009, 11:58:30 AM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.120440uv	ug/L	0.501383	416.3	3.34937
Al 237.312	-1.96773uv	ug/L	0.063561	3.2	5.27167
As 188.980	-0.115766uv	ug/L	0.310617	268.3	1.13092

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	0.225676	ug/L	0.010771	4.8	42.4088
Ba 493.408	-0.042623uv	ug/L	0.000413	1.0	75.0732
Be 313.042	-0.005214uv	ug/L	0.000963	18.5	176.764
Ca 373.690	-35.9506uv	ug/L	0.002563	0.0	29.2565
Cd 214.439	0.041190uv	ug/L	0.075947	184.4	5.03185
Co 228.615	-0.067694uv	ug/L	0.063879	94.4	9.77307
Cr 267.716	-0.064241uv	ug/L	0.013492	21.0	21.1119
Cu 327.395	-0.311925uv	ug/L	0.065379	21.0	70.5876
Fe 273.955	-0.463679uv	ug/L	0.062792	13.5	14.6715
K 404.721	66.4078	ug/L	70.1795	105.7	10.3138
Li 610.365	0.949939	ug/L	0.041040	4.3	74.2188
Mg 279.078	-1.92947uv	ug/L	0.089214	4.6	6.57074
Mn 257.610	-0.957484uv	ug/L	0.001032	0.1	34.6608
Mo 202.032	0.302225	ug/L	0.206491	68.3	10.0147
Na 330.237	-49.5441uv	ug/L	0.273921	0.6	2.97131
Ni 216.555	-1.25022uv	ug/L	0.058639	4.7	3.43539
Pb 220.353	0.320062uv	ug/L	0.653524	204.2	7.81985
Sb 217.582	-0.768439uv	ug/L	0.337418	43.9	2.11894
Se 196.026	-0.955591uv	ug/L	0.909182	95.1	1.96953
Si 251.611	931.555	ug/L	3.21979	0.3	4807.62
Si 288.158	947.732	ug/L	3.79077	0.4	11869.8
Sn 283.998	-1.70569uv	ug/L	0.134733	7.9	5.52264
Sr 421.552	-0.040734uv	ug/L	0.000789	1.9	28.7395
Ti 336.122	-0.061252uv	ug/L	0.032302	52.7	32.8521
Tl 190.794	0.690192	ug/L	0.498052	72.2	2.57464
V 292.401	-0.151986uv	ug/L	0.062876	41.4	9.19470
Zn 202.548	-2.09598uv	ug/L	0.081092	3.9	38.8095
Zr 339.198	29.7894	ug/L	3.50923	11.8	1679.47

CRI-RL B (Samp) **9/4/2009, 12:01:23 PM** **Rack 1, Tube 5**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	3.53840	ug/L	0.124266	3.5	30.6665
Al 237.312	96.7894	ug/L	0.057433	0.1	450.749
As 188.980	9.89135	ug/L	1.39828	14.1	11.1462
B 249.678	9.64140	ug/L	0.067981	0.7	303.646
Ba 493.408	10.4590	ug/L	0.000065	0.0	25880.3
Be 313.042	0.969959	ug/L	0.002036	0.2	3405.32
Ca 373.690	353.932	ug/L	1.31260	0.4	1918.18
Cd 214.439	0.974888	ug/L	0.042157	4.3	38.7041
Co 228.615	10.1418	ug/L	0.121937	1.2	95.9886
Cr 267.716	4.92029	ug/L	0.055729	1.1	250.244
Cu 327.395	9.68663	ug/L	0.151905	1.6	765.043
Fe 273.955	97.8672	ug/L	0.570618	0.6	1568.15
K 404.721	2830.51	ug/L	67.5955	2.4	45.8612
Li 610.365	73.3809	ug/L	0.045494	0.1	5236.67
Mg 279.078	396.254	ug/L	0.865908	0.2	1725.99
Mn 257.610	9.24384	ug/L	0.009885	0.1	3020.54
Mo 202.032	9.43350	ug/L	0.132626	1.4	91.8085
Na 330.237	1820.87	ug/L	69.8096	3.8	243.056
Ni 216.555	8.85569	ug/L	0.051136	0.6	88.2731
Pb 220.353	4.99102	ug/L	0.073152	1.5	29.8577
Sb 217.582	9.58833	ug/L	0.258455	2.7	22.4208

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Se 196.026	8.01760	ug/L	0.057720	0.7	6.80537
Si 251.611	91.4822	ug/L	0.995691	1.1	516.959
Si 288.158	93.0912	ug/L	1.75413	1.9	1575.86
Sn 283.998	28.9924	ug/L	0.034349	0.1	141.991
Sr 421.552	20.8384	ug/L	0.013108	0.1	50634.0
Ti 336.122	9.71978	ug/L	0.035701	0.4	2326.27
Tl 190.794	9.95489	ug/L	1.34249	13.5	10.0253
V 292.401	9.63973	ug/L	0.008531	0.1	375.545
Zn 202.548	47.8510	ug/L	0.143345	0.3	1162.27
Zr 339.198	6.76484	ug/L	0.271531	4.0	385.991

CCV (CCV) **9/4/2009, 1:00:50 PM** **Rack 4, Tube 2**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	992.536	ug/L	2.21860	0.2	7934.96	99.25356
Al 237.312	4964.11	ug/L	16.1488	0.3	21942.5	99.28213
As 188.980	984.403	ug/L	2.10164	0.2	986.452	98.44029
B 249.678	994.808	ug/L	14.6332	1.5	27636.9	99.48078
Ba 493.408	994.798	ug/L	1.63419	0.2	2444657	99.47982
Be 313.042	986.830	ug/L	2.62955	0.3	3267345	98.68300
Ca 373.690	19753.8	ug/L	28.8519	0.1	93844.9	98.76883
Cd 214.439	982.775	ug/L	3.82625	0.4	35445.7	98.27747
Co 228.615	986.978	ug/L	3.56428	0.4	8345.02	98.69780
Cr 267.716	986.805	ug/L	2.59183	0.3	45386.1	98.68046
Cu 327.395	992.727	ug/L	5.33835	0.5	69042.6	99.27271
Fe 273.955	4929.64	ug/L	16.3470	0.3	75473.0	98.59274
K 404.721	19552.7	ug/L	19.1692	0.1	273.396	97.76337
Li 610.365	4965.02	ug/L	3.48858	0.1	353884	99.30047
Mg 279.078	19761.3	ug/L	64.0608	0.3	83549.3	98.80633
Mn 257.610	987.412	ug/L	3.04366	0.3	289326	98.74120
Mo 202.032	987.960	ug/L	8.64074	0.9	8856.99	98.79597
Na 330.237	19894.1	ug/L	7.06002	0.0	2648.79	99.47031
Ni 216.555	988.247	ug/L	0.579315	0.1	8310.13	98.82475
Pb 220.353	983.204	ug/L	2.53016	0.3	4645.12	98.32036
Sb 217.582	991.053	ug/L	0.202197	0.0	1946.34	99.10526
Se 196.026	984.729	ug/L	2.23975	0.2	533.175	98.47289
Si 251.611	1001.41	ug/L	15.2875	1.5	5164.41	100.14104
Si 288.158	1001.41	ug/L	13.5604	1.4	12516.3	100.14113
Sn 283.998	988.042	ug/L	3.27667	0.3	4405.43	98.80417
Sr 421.552	993.941	ug/L	1.81153	0.2	2409170	99.39411
Ti 336.122	989.126	ug/L	2.55079	0.3	231974	98.91257
Tl 190.794	986.319	ug/L	3.51059	0.4	795.214	98.63190
V 292.401	990.282	ug/L	1.12881	0.1	37065.7	99.02822
Zn 202.548	980.799	ug/L	4.73460	0.5	22147.1	98.07991
Zr 339.198	978.828	ug/L	7.39709	0.8	54994.7	97.88279

CCB (CCB) **9/4/2009, 1:03:44 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	-0.238162uv	ug/L	0.249709	104.8	0.483337	-0.23816
Al 237.312	-1.26974uv	ug/L	0.163637	12.9	8.42145	-1.26974

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	1.09907	ug/L	0.434111	39.5	2.34675	1.09907
B 249.678	30.5531	ug/L	5.83956	19.1	883.839	30.55314
Ba 493.408	0.038347	ug/L	0.002696	7.0	274.039	0.03835
Be 313.042	0.060227	ug/L	0.002766	4.6	393.424	0.06023
Ca 373.690	-26.6831uv	ug/L	0.425974	1.6	74.1726	-26.68305
Cd 214.439	0.051648	ug/L	0.046326	89.7	5.40902	0.05165
Co 228.615	-0.118135uv	ug/L	0.140160	118.6	9.34712	-0.11813
Cr 267.716	-0.040029uv	ug/L	0.042368	105.8	22.2249	-0.04003
Cu 327.395	-0.309109uv	ug/L	0.179510	58.1	70.7832	-0.30911
Fe 273.955	0.709175	ug/L	0.071737	10.1	33.2124	0.70918
K 404.721	211.176	ug/L	140.210	66.4	12.1614	211.17633
Li 610.365	0.697530	ug/L	0.008255	1.2	56.2285	0.69753
Mg 279.078	0.414982	ug/L	0.375257	90.4	16.6988	0.41498
Mn 257.610	-0.623290uv	ug/L	0.008130	1.3	132.478	-0.62329
Mo 202.032	10.8319	ug/L	2.17296	20.1	104.335	10.83192
Na 330.237	-12.4860uv	ug/L	15.1642	121.4	7.71240	-12.48596
Ni 216.555	-0.895531uv	ug/L	0.163457	18.3	6.41295	-0.89553
Pb 220.353	-0.090022uv	ug/L	0.204597	227.3	5.88506	-0.09002
Sb 217.582	0.730515uv	ug/L	1.56655	214.4	5.05727	0.73051
Se 196.026	3.20792	ug/L	0.368432	11.5	4.21333	3.20792
Si 251.611	0.873522uv	ug/L	1.29091	147.8	54.1758	0.87352
Si 288.158	0.199457uv	ug/L	1.75048	877.6	457.008	0.19946
Sn 283.998	-0.712667uv	ug/L	0.051415	7.2	9.93713	-0.71267
Sr 421.552	0.032586	ug/L	0.001510	4.6	206.445	0.03259
Ti 336.122	0.355950	ug/L	0.103091	29.0	130.676	0.35595
Tl 190.794	1.62211	ug/L	0.276463	17.0	3.32408	1.62211
V 292.401	0.026238	ug/L	0.023045	87.8	15.8629	0.02624
Zn 202.548	-1.56738uv	ug/L	0.026720	1.7	50.6993	-1.56738
Zr 339.198	0.567559	ug/L	0.095434	16.8	37.8397	0.56756

MB 360-48596/1-A (Samp) **9/4/2009, 1:09:30 PM** **Rack 1, Tube 22**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.097392uv	ug/L	0.213194	218.9	1.60840
Al 237.312	0.611711	ug/L	0.189920	31.0	16.9118
As 188.980	1.62288	ug/L	0.444471	27.4	2.87098
B 249.678	6.52237	ug/L	0.505466	7.7	217.109
Ba 493.408	1.56041	ug/L	0.009989	0.6	4014.15
Be 313.042	0.022304	ug/L	0.003583	16.1	267.867
Ca 373.690	151.274	ug/L	0.651432	0.4	936.536
Cd 214.439	0.098430	ug/L	0.000346	0.4	7.09612
Co 228.615	-0.076471uv	ug/L	0.016326	21.3	9.69896
Cr 267.716	1.08719	ug/L	0.023993	2.2	74.0413
Cu 327.395	0.523185	ug/L	0.082229	15.7	128.591
Fe 273.955	27.4380	ug/L	0.328415	1.2	455.676
K 404.721	139.244	ug/L	174.919	125.6	11.2435
Li 610.365	0.023512uv	ug/L	0.057220	243.4	8.18848
Mg 279.078	45.3114	ug/L	1.86704	4.1	210.642
Mn 257.610	-0.133525uv	ug/L	0.011687	8.8	275.829
Mo 202.032	1.68295	ug/L	0.904301	53.7	22.3826
Na 330.237	207.446	ug/L	87.5858	42.2	35.8610
Ni 216.555	-1.02839uv	ug/L	0.102387	10.0	5.29759
Pb 220.353	0.588294	ug/L	0.760495	129.3	9.08539

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sb 217.582	0.000677uv	ug/L	0.788233	116396.3	3.62660
Se 196.026	1.57754	ug/L	0.009540	0.6	3.33468
Si 251.611	44.1054	ug/L	3.32868	7.5	274.982
Si 288.158	44.4678	ug/L	2.49621	5.6	990.208
Sn 283.998	8.36832	ug/L	1.20391	14.4	50.3065
Sr 421.552	0.754161	ug/L	0.007146	0.9	1955.35
Ti 336.122	0.333560	ug/L	0.108847	32.6	125.426
Tl 190.794	2.32975	ug/L	0.198821	8.5	3.89317
V 292.401	-0.023069uv	ug/L	0.040198	174.3	14.0181
Zn 202.548	4.01656	ug/L	0.117653	2.9	176.299
Zr 339.198	2.71037	ug/L	0.535053	19.7	158.219

LCS 360-48596/2-A (Samp) **9/4/2009, 1:12:23 PM** **Rack 1, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	972.712	ug/L	1.43307	0.1	7776.52
Al 237.312	4568.98	ug/L	19.5980	0.4	20231.7
As 188.980	908.340	ug/L	3.75892	0.4	910.327
B 249.678	890.381	ug/L	16.4599	1.8	24739.6
Ba 493.408	939.157	ug/L	4.94936	0.5	2307932
Be 313.042	902.988	ug/L	3.86129	0.4	2989764
Ca 373.690	18548.7	ug/L	70.0464	0.4	88252.4
Cd 214.439	904.228	ug/L	4.02305	0.4	32613.0
Co 228.615	916.358	ug/L	3.82042	0.4	7748.66
Cr 267.716	923.800	ug/L	3.54909	0.4	42489.8
Cu 327.395	937.157	ug/L	2.65614	0.3	65183.0
Fe 273.955	4585.85	ug/L	19.9488	0.4	70371.9
K 404.721	17213.7	ug/L	123.669	0.7	240.282
Li 610.365	4393.70	ug/L	13.3473	0.3	313163
Mg 279.078	18210.4	ug/L	71.4357	0.4	77126.3
Mn 257.610	923.299	ug/L	2.50327	0.3	270560
Mo 202.032	932.866	ug/L	5.37244	0.6	8363.49
Na 330.237	18126.9	ug/L	51.0553	0.3	2406.69
Ni 216.555	909.535	ug/L	3.70541	0.4	7649.35
Pb 220.353	902.690	ug/L	4.31873	0.5	4265.25
Sb 217.582	864.407	ug/L	7.12010	0.8	1698.08
Se 196.026	890.857	ug/L	8.84811	1.0	482.586
Si 251.611	1018.72	ug/L	13.2401	1.3	5252.80
Si 288.158	1018.08	ug/L	9.04604	0.9	12717.1
Sn 283.998	915.963	ug/L	3.74058	0.4	4085.00
Sr 421.552	938.495	ug/L	4.16086	0.4	2274783
Ti 336.122	921.386	ug/L	5.92336	0.6	216090
Tl 190.794	903.175	ug/L	4.38761	0.5	728.350
V 292.401	930.921	ug/L	3.53912	0.4	34844.7
Zn 202.548	890.616	ug/L	2.92709	0.3	20118.6
Zr 339.198	902.510	ug/L	8.75481	1.0	50707.3

LCSD 360-48596/3-A (Samp) **9/4/2009, 1:15:15 PM** **Rack 1, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

MET090409emn@720/725/730/735-ES@Quant@. All Data Report 9/8/2009, 8:05:30 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	956.703	ug/L	2.73085	0.3	7648.58
Al 237.312	4497.56	ug/L	9.60015	0.2	19921.8
As 188.980	892.278	ug/L	2.32028	0.3	894.252
B 249.678	909.960	ug/L	6.95178	0.8	25282.8
Ba 493.408	928.712	ug/L	1.46954	0.2	2282265
Be 313.042	892.582	ug/L	2.94811	0.3	2955313
Ca 373.690	18267.6	ug/L	55.3601	0.3	86945.9
Cd 214.439	889.447	ug/L	3.82780	0.4	32080.0
Co 228.615	902.817	ug/L	3.53230	0.4	7634.31
Cr 267.716	911.635	ug/L	3.88792	0.4	41930.6
Cu 327.395	933.820	ug/L	5.48560	0.6	64951.2
Fe 273.955	4529.52	ug/L	15.7725	0.3	69533.8
K 404.721	16588.0	ug/L	64.3495	0.4	231.494
Li 610.365	4290.77	ug/L	10.4871	0.2	305827
Mg 279.078	17885.1	ug/L	63.4283	0.4	75776.1
Mn 257.610	911.466	ug/L	2.58204	0.3	267097
Mo 202.032	939.842	ug/L	5.92349	0.6	8425.97
Na 330.237	17693.0	ug/L	70.5422	0.4	2347.49
Ni 216.555	901.330	ug/L	3.48569	0.4	7580.47
Pb 220.353	889.113	ug/L	5.13878	0.6	4201.19
Sb 217.582	868.259	ug/L	11.6260	1.3	1705.63
Se 196.026	886.301	ug/L	3.39009	0.4	480.130
Si 251.611	948.808	ug/L	13.8036	1.5	4895.74
Si 288.158	947.482	ug/L	10.9111	1.2	11866.8
Sn 283.998	906.223	ug/L	2.15913	0.2	4041.71
Sr 421.552	927.177	ug/L	2.58480	0.3	2247352
Ti 336.122	918.077	ug/L	2.57556	0.3	215315
Tl 190.794	887.878	ug/L	6.37989	0.7	716.047
V 292.401	919.323	ug/L	2.71988	0.3	34410.8
Zn 202.548	874.398	ug/L	4.86153	0.6	19753.9
Zr 339.198	940.651	ug/L	3.17158	0.3	52850.0

360-24417-A-10-A (Samp) **9/4/2009, 1:18:09 PM** **Rack 1, Tube 25**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.633695uv	ug/L	0.059292	9.4	-2.67786
Al 237.312	51503.0	ug/L	245.046	0.5	194998
As 188.980	33.8883	ug/L	0.393445	1.2	35.1627
B 249.678	31.4422	ug/L	5.28286	16.8	908.506
Ba 493.408	75.5466	ug/L	0.287321	0.4	185817
Be 313.042	1.61069	ug/L	0.001542	0.1	5526.63
Ca 373.690	8630.60	ug/L	36.3829	0.4	41632.2
Cd 214.439	1.13585	ug/L	0.014914	1.3	44.5089
Co 228.615	23.3966	ug/L	0.549588	2.3	207.921
Cr 267.716	91.3901	ug/L	0.654799	0.7	4225.14
Cu 327.395	29.7856	ug/L	0.245121	0.8	2161.03
Fe 273.955	76508.4	ug/L	336.185	0.4	883066
K 404.721	8527.94	ug/L	342.247	4.0	120.981
Li 610.365	44.8490	ug/L	0.135774	0.3	3203.08
Mg 279.078	12894.5	ug/L	57.4082	0.4	54938.1
Mn 257.610	440.304	ug/L	2.08686	0.5	129190
Mo 202.032	10.4645	ug/L	1.25035	11.9	101.044
Na 330.237	494.570	ug/L	25.1733	5.1	72.6418

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ni 216.555	80.4987	ug/L	0.061835	0.1	689.706
Pb 220.353	18.6837	ug/L	0.506578	2.7	94.4606
Sb 217.582	6.28172	ug/L	1.19961	19.1	15.9390
Se 196.026	0.725657uv	ug/L	1.83792	253.3	2.87559
Si 251.611	3879.92	ug/L	22.0670	0.6	19866.4
Si 288.158	3952.17	ug/L	26.5714	0.7	48057.4
Sn 283.998	29.8121	ug/L	0.018252	0.1	145.635
Sr 421.552	18.2578	ug/L	0.056407	0.3	44379.3
Ti 336.122	1888.20	ug/L	4.62899	0.2	442786
Tl 190.794	-0.226023uv	ug/L	0.221092	97.8	1.83782
V 292.401	87.0241	ug/L	0.514227	0.6	3270.83
Zn 202.548	101.275	ug/L	0.704426	0.7	2363.95
Zr 339.198	39.3548	ug/L	1.77505	4.5	2216.83

360-24417-A-10-B DU (Samp) **9/4/2009, 1:21:03 PM** **Rack 1, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.277743uv	ug/L	0.307608	110.8	0.166992
Al 237.312	57677.6	ug/L	298.070	0.5	216936
As 188.980	33.5993	ug/L	0.587391	1.7	34.8735
B 249.678	12.3457	ug/L	1.17087	9.5	378.677
Ba 493.408	91.5225	ug/L	0.362368	0.4	225074
Be 313.042	1.74108	ug/L	0.003872	0.2	5958.31
Ca 373.690	8386.66	ug/L	51.6340	0.6	40472.2
Cd 214.439	1.07496	ug/L	0.058523	5.4	42.3129
Co 228.615	24.3770	ug/L	0.148565	0.6	216.200
Cr 267.716	90.4823	ug/L	0.414385	0.5	4183.41
Cu 327.395	28.7993	ug/L	0.134517	0.5	2092.53
Fe 273.955	81526.4	ug/L	399.311	0.5	936802
K 404.721	9457.78	ug/L	125.574	1.3	133.475
Li 610.365	59.5743	ug/L	0.191869	0.3	4252.62
Mg 279.078	14078.9	ug/L	65.1540	0.5	59904.8
Mn 257.610	508.378	ug/L	2.63143	0.5	149115
Mo 202.032	2.95069	ug/L	0.675096	22.9	33.7385
Na 330.237	549.702	ug/L	5.60053	1.0	79.7089
Ni 216.555	77.7497	ug/L	0.720685	0.9	666.629
Pb 220.353	15.2591	ug/L	0.578588	3.8	78.3032
Sb 217.582	0.873641	ug/L	0.717747	82.2	5.33783
Se 196.026	-1.39163uv	ug/L	0.241390	17.3	1.73454
Si 251.611	3588.48	ug/L	47.0808	1.3	18377.8
Si 288.158	3655.73	ug/L	47.7729	1.3	44486.8
Sn 283.998	27.9077	ug/L	0.136985	0.5	137.169
Sr 421.552	18.4203	ug/L	0.052193	0.3	44773.2
Ti 336.122	2248.90	ug/L	17.7491	0.8	527361
Tl 190.794	-1.14373uv	ug/L	0.784175	68.6	1.09981
V 292.401	90.3943	ug/L	0.393000	0.4	3396.92
Zn 202.548	112.712	ug/L	0.071778	0.1	2621.19
Zr 339.198	28.6657	ug/L	2.76650	9.7	1616.34

360-24417-A-10-C MS (Samp) **9/4/2009, 1:59:34 PM** **Rack 1, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	948.896	ug/L	2.13599	0.2	7586.18
Al 237.312	55949.4	ug/L	112.933	0.2	210795
As 188.980	936.081	ug/L	0.148810	0.0	938.091
B 249.678	897.518	ug/L	12.7685	1.4	24937.6
Ba 493.408	978.511	ug/L	1.68296	0.2	2404634
Be 313.042	907.000	ug/L	1.76380	0.2	3003050
Ca 373.690	27494.1	ug/L	124.100	0.5	129394
Cd 214.439	903.483	ug/L	3.85529	0.4	32586.2
Co 228.615	929.619	ug/L	3.69988	0.4	7860.65
Cr 267.716	1006.61	ug/L	3.29933	0.3	46296.4
Cu 327.395	955.502	ug/L	4.03397	0.4	66457.2
Fe 273.955	84111.9	ug/L	454.371	0.5	964489
K 404.721	28725.3	ug/L	479.030	1.7	407.309
Li 610.365	4504.69	ug/L	12.4293	0.3	321074
Mg 279.078	29568.0	ug/L	96.0781	0.3	123642
Mn 257.610	1384.48	ug/L	5.01561	0.4	405547
Mo 202.032	928.155	ug/L	7.61158	0.8	8321.29
Na 330.237	18168.7	ug/L	58.8404	0.3	2412.41
Ni 216.555	976.389	ug/L	9.28043	1.0	8210.58
Pb 220.353	907.104	ug/L	2.68812	0.3	4286.08
Sb 217.582	638.545	ug/L	8.95683	1.4	1255.33
Se 196.026	883.694	ug/L	3.12941	0.4	478.726
Si 251.611	4483.71	ug/L	4.16185	0.1	22950.2
Si 288.158	4572.13	ug/L	1.04754	0.0	55524.7
Sn 283.998	901.121	ug/L	2.39887	0.3	4019.02
Sr 421.552	928.552	ug/L	2.96114	0.3	2250684
Ti 336.122	2953.15	ug/L	1.66142	0.1	692491
Tl 190.794	868.495	ug/L	0.881812	0.1	700.460
V 292.401	1017.45	ug/L	3.67696	0.4	38082.1
Zn 202.548	994.556	ug/L	3.78827	0.4	22456.6
Zr 339.198	932.109	ug/L	3.42915	0.4	52370.1

360-24417-A-10-Asd@5 (Samp) **9/4/2009, 2:02:28 PM** **Rack 1, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.156196	ug/L	0.039766	25.5	3.63513
Al 237.312	9608.73	ug/L	16.1033	0.2	41602.9
As 188.980	9.23650	ug/L	1.02827	11.1	10.4908
B 249.678	26.4327	ug/L	4.29302	16.2	769.518
Ba 493.408	15.9168	ug/L	0.013517	0.1	39291.5
Be 313.042	0.350034	ug/L	0.004598	1.3	1352.90
Ca 373.690	1785.75	ug/L	6.10156	0.3	8841.14
Cd 214.439	0.165288	ug/L	0.053906	32.6	9.50725
Co 228.615	5.26301	ug/L	0.017747	0.3	54.7890
Cr 267.716	21.2497	ug/L	0.052704	0.2	1000.88
Cu 327.395	5.53533	ug/L	0.134340	2.4	476.712
Fe 273.955	13535.2	ug/L	37.0112	0.3	195306
K 404.721	1786.50	ug/L	430.235	24.1	32.3695
Li 610.365	3.64668	ug/L	0.105274	2.9	266.427
Mg 279.078	2796.73	ug/L	5.11807	0.2	12060.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	94.3620	ug/L	0.416446	0.4	27934.2
Mo 202.032	7.13752	ug/L	1.15506	16.2	71.2422
Na 330.237	2.90055uv	ug/L	6.31497	217.7	9.68091
Ni 216.555	16.2694	ug/L	0.287560	1.8	150.510
Pb 220.353	3.68832	ug/L	0.012569	0.3	23.7115
Sb 217.582	8.37534	ug/L	2.08729	24.9	20.0430
Se 196.026	1.10986	ug/L	0.248217	22.4	3.08264
Si 251.611	814.563	ug/L	7.17728	0.9	4210.09
Si 288.158	830.997	ug/L	6.23328	0.8	10463.7
Sn 283.998	5.32160	ug/L	0.234806	4.4	36.7624
Sr 421.552	3.79144	ug/L	0.003778	0.1	9316.89
Ti 336.122	396.362	ug/L	2.62317	0.7	92984.6
Tl 190.794	1.79128	ug/L	0.301270	16.8	3.46013
V 292.401	18.1418	ug/L	0.167665	0.9	693.644
Zn 202.548	20.9926	ug/L	0.145878	0.7	558.143
Zr 339.198	9.86300	ug/L	1.06954	10.8	560.040

360-24417-A-10-Apds (Samp) **9/4/2009, 2:05:22 PM** **Rack 1, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	916.397	ug/L	1.25392	0.1	7326.44
Al 237.312	55252.1	ug/L	239.215	0.4	208318
As 188.980	976.465	ug/L	1.23752	0.1	978.508
B 249.678	952.112	ug/L	14.8218	1.6	26452.3
Ba 493.408	1022.81	ug/L	3.26476	0.3	2513487
Be 313.042	940.286	ug/L	2.54410	0.3	3113249
Ca 373.690	28198.3	ug/L	123.490	0.4	132596
Cd 214.439	939.078	ug/L	4.10699	0.4	33869.8
Co 228.615	966.694	ug/L	3.12851	0.3	8173.72
Cr 267.716	1049.77	ug/L	4.19171	0.4	48280.3
Cu 327.395	994.097	ug/L	7.80908	0.8	69137.8
Fe 273.955	79489.1	ug/L	325.092	0.4	914986
K 404.721	27043.0	ug/L	43.8890	0.2	382.262
Li 610.365	4681.73	ug/L	11.2875	0.2	333693
Mg 279.078	31407.7	ug/L	144.414	0.5	131062
Mn 257.610	1375.94	ug/L	4.18325	0.3	403046
Mo 202.032	974.720	ug/L	8.38597	0.9	8738.40
Na 330.237	18967.9	ug/L	93.8021	0.5	2521.72
Ni 216.555	1016.99	ug/L	3.35608	0.3	8551.41
Pb 220.353	942.274	ug/L	4.72623	0.5	4452.01
Sb 217.582	919.105	ug/L	3.44041	0.4	1805.30
Se 196.026	915.411	ug/L	9.13158	1.0	495.819
Si 251.611	4795.18	ug/L	17.9794	0.4	24541.0
Si 288.158	4882.46	ug/L	16.3719	0.3	59262.5
Sn 283.998	951.728	ug/L	5.21452	0.5	4244.00
Sr 421.552	964.961	ug/L	2.33560	0.2	2338930
Ti 336.122	2726.82	ug/L	13.6548	0.5	639421
Tl 190.794	913.863	ug/L	3.68801	0.4	736.944
V 292.401	1048.67	ug/L	3.49194	0.3	39250.3
Zn 202.548	1031.68	ug/L	4.78998	0.5	23291.6
Zr 339.198	999.958	ug/L	0.097711	0.0	56181.7

360-24417-A-1-A (Samp) **9/4/2009, 2:08:15 PM** **Rack 1, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.93143	ug/L	0.526688	27.3	17.8232
Al 237.312	74036.4	ug/L	365.911	0.5	275058
As 188.980	101.198	ug/L	2.46970	2.4	102.527
B 249.678	30.0596	ug/L	4.31852	14.4	870.145
Ba 493.408	161.554	ug/L	0.126238	0.1	397159
Be 313.042	2.68651	ug/L	0.003837	0.1	9088.41
Ca 373.690	9014.64	ug/L	40.4625	0.4	43457.0
Cd 214.439	1.70170	ug/L	0.066122	3.9	64.9155
Co 228.615	43.0025	ug/L	0.049705	0.1	373.486
Cr 267.716	211.464	ug/L	1.05750	0.5	9744.74
Cu 327.395	61.4308	ug/L	0.365775	0.6	4358.96
Fe 273.955	103725	ug/L	672.779	0.6	1174513
K 404.721	9830.98	ug/L	299.391	3.0	138.510
Li 610.365	75.5202	ug/L	0.285752	0.4	5389.15
Mg 279.078	15371.1	ug/L	73.3996	0.5	65308.1
Mn 257.610	805.749	ug/L	4.39628	0.5	236154
Mo 202.032	10.6187	ug/L	1.58051	14.9	102.425
Na 330.237	326.008	ug/L	5.55401	1.7	51.0436
Ni 216.555	74.1829	ug/L	0.655500	0.9	636.686
Pb 220.353	35.9857	ug/L	1.37860	3.8	176.092
Sb 217.582	-0.658535uv	ug/L	1.41442	214.8	2.33438
Se 196.026	1.01658	ug/L	1.32583	130.4	3.03237
Si 251.611	4031.69	ug/L	59.9106	1.5	20641.5
Si 288.158	4125.21	ug/L	65.7257	1.6	50141.6
Sn 283.998	74.9534	ug/L	1.73489	2.3	346.309
Sr 421.552	22.1681	ug/L	0.057267	0.3	53856.8
Ti 336.122	2812.92	ug/L	21.9621	0.8	659610
Tl 190.794	-1.31185uv	ug/L	0.356761	27.2	0.964607
V 292.401	113.435	ug/L	0.652986	0.6	4258.99
Zn 202.548	156.672	ug/L	0.621837	0.4	3610.00
Zr 339.198	42.4045	ug/L	4.43856	10.5	2388.16

CCV (CCV) **9/4/2009, 2:11:09 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1005.96	ug/L	0.081310	0.0	8042.22	100.59562
Al 237.312	5013.55	ug/L	8.67276	0.2	22156.1	100.27110
As 188.980	1011.93	ug/L	2.42149	0.2	1014.00	101.19289
B 249.678	1013.55	ug/L	7.01108	0.7	28156.9	101.35484
Ba 493.408	1005.24	ug/L	1.42449	0.1	2470327	100.52448
Be 313.042	1009.11	ug/L	1.27503	0.1	3341100	100.91073
Ca 373.690	20290.5	ug/L	16.3712	0.1	96330.7	101.45249
Cd 214.439	1015.58	ug/L	1.11072	0.1	36628.7	101.55781
Co 228.615	1011.43	ug/L	0.177510	0.0	8551.54	101.14345
Cr 267.716	1012.11	ug/L	0.355452	0.0	46549.1	101.21056
Cu 327.395	999.244	ug/L	0.984917	0.1	69495.3	99.92439
Fe 273.955	5055.36	ug/L	0.932221	0.0	77332.5	101.10728
K 404.721	19594.1	ug/L	76.2225	0.4	273.987	97.97074
Li 610.365	5042.68	ug/L	8.32024	0.2	359419	100.85356
Mg 279.078	20192.7	ug/L	10.4947	0.1	85332.2	100.96358

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	1007.76	ug/L	0.632486	0.1	295281	100.77572
Mo 202.032	1010.15	ug/L	3.22510	0.3	9055.80	101.01540
Na 330.237	20103.0	ug/L	18.8585	0.1	2677.52	100.51514
Ni 216.555	1012.85	ug/L	4.77219	0.5	8516.68	101.28522
Pb 220.353	1011.39	ug/L	2.41178	0.2	4778.12	101.13927
Sb 217.582	1005.81	ug/L	1.39048	0.1	1975.26	100.58051
Se 196.026	1004.38	ug/L	3.63212	0.4	543.764	100.43761
Si 251.611	1021.12	ug/L	12.3110	1.2	5265.09	102.11234
Si 288.158	1019.27	ug/L	9.44750	0.9	12731.4	101.92668
Sn 283.998	1009.57	ug/L	2.39978	0.2	4501.15	100.95724
Sr 421.552	1004.69	ug/L	1.13640	0.1	2435233	100.46944
Ti 336.122	1005.75	ug/L	1.72785	0.2	235872	100.57523
Tl 190.794	1012.25	ug/L	3.20205	0.3	816.069	101.22528
V 292.401	1010.38	ug/L	0.638183	0.1	37817.8	101.03845
Zn 202.548	1020.14	ug/L	0.598909	0.1	23031.9	102.01357
Zr 339.198	1007.20	ug/L	2.73158	0.3	56588.6	100.72015

CCB (CCB) **9/4/2009, 2:14:02 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	0.169919uv	ug/L	0.326238	192.0	3.74481	0.16992
Al 237.312	-1.33446uv	ug/L	0.955352	71.6	8.12939	-1.33446
As 188.980	1.31485	ug/L	0.994298	75.6	2.56270	1.31485
B 249.678	34.5229	ug/L	6.00805	17.4	993.979	34.52291
Ba 493.408	0.056443	ug/L	0.000107	0.2	318.504	0.05644
Be 313.042	0.086289	ug/L	0.003055	3.5	479.706	0.08629
Ca 373.690	-25.1259uv	ug/L	0.409376	1.6	81.7194	-25.12593
Cd 214.439	0.076339	ug/L	0.003401	4.5	6.29945	0.07634
Co 228.615	0.071803	ug/L	0.093317	130.0	10.9511	0.07180
Cr 267.716	0.950278	ug/L	0.093470	9.8	67.7479	0.95028
Cu 327.395	-0.240371uv	ug/L	0.072083	30.0	75.5575	-0.24037
Fe 273.955	1.53645	ug/L	0.184907	12.0	46.2902	1.53645
K 404.721	56.6074uv	ug/L	106.879	188.8	10.1890	56.60743
Li 610.365	0.931867	ug/L	0.000097	0.0	72.9307	0.93187
Mg 279.078	1.14853	ug/L	0.603477	52.5	19.8677	1.14853
Mn 257.610	-0.648331uv	ug/L	0.006310	1.0	125.148	-0.64833
Mo 202.032	11.0952	ug/L	2.00568	18.1	106.693	11.09521
Na 330.237	6.81325uv	ug/L	16.3174	239.5	10.1815	6.81325
Ni 216.555	-0.720060uv	ug/L	0.120036	16.7	7.88600	-0.72006
Pb 220.353	-0.145798uv	ug/L	0.961946	659.8	5.62190	-0.14580
Sb 217.582	0.914741	ug/L	0.734281	80.3	5.41840	0.91474
Se 196.026	2.07774uv	ug/L	3.98203	191.7	3.60426	2.07774
Si 251.611	7.39513	ug/L	2.00220	27.1	87.4849	7.39513
Si 288.158	6.98709	ug/L	2.22972	31.9	538.763	6.98709
Sn 283.998	-0.615324uv	ug/L	0.044503	7.2	10.3699	-0.61532
Sr 421.552	0.054040	ug/L	0.002399	4.4	258.446	0.05404
Ti 336.122	0.516504	ug/L	0.119790	23.2	168.322	0.51650
Tl 190.794	0.762644	ug/L	0.067660	8.9	2.63290	0.76264
V 292.401	0.117947	ug/L	0.065119	55.2	19.2941	0.11795
Zn 202.548	-1.49633uv	ug/L	0.085248	5.7	52.2974	-1.49633
Zr 339.198	0.618146	ug/L	0.152876	24.7	40.6816	0.61815

360-24417-A-3-A (Samp) **9/4/2009, 2:17:09 PM** **Rack 1, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.402017uv	ug/L	0.100884	25.1	-0.826233
Al 237.312	63188.4	ug/L	235.003	0.4	236515
As 188.980	48.2580	ug/L	0.051412	0.1	49.5442
B 249.678	14.2342	ug/L	1.28600	9.0	431.074
Ba 493.408	96.2715	ug/L	0.191402	0.2	236744
Be 313.042	2.53092	ug/L	0.012441	0.5	8573.29
Ca 373.690	4537.41	ug/L	15.8160	0.3	22083.8
Cd 214.439	1.25222	ug/L	0.119647	9.6	48.7058
Co 228.615	31.1999	ug/L	0.011179	0.0	273.817
Cr 267.716	88.1611	ug/L	0.433132	0.5	4076.71
Cu 327.395	40.8023	ug/L	0.234579	0.6	2926.20
Fe 273.955	78531.2	ug/L	508.056	0.6	904728
K 404.721	6746.77	ug/L	70.9596	1.1	97.2279
Li 610.365	50.6614	ug/L	0.444949	0.9	3617.36
Mg 279.078	13924.6	ug/L	60.4321	0.4	59258.4
Mn 257.610	495.301	ug/L	2.31204	0.5	145287
Mo 202.032	5.94299	ug/L	1.32160	22.2	60.5421
Na 330.237	158.103	ug/L	19.8564	12.6	29.5430
Ni 216.555	76.3842	ug/L	0.335562	0.4	655.166
Pb 220.353	20.7770	ug/L	0.333171	1.6	104.337
Sb 217.582	0.464337uv	ug/L	1.81742	391.4	4.53549
Se 196.026	-0.879810uv	ug/L	1.00566	114.3	2.01037
Si 251.611	5984.02	ug/L	125.316	2.1	30613.0
Si 288.158	6031.05	ug/L	112.286	1.9	73097.0
Sn 283.998	28.3527	ug/L	1.09039	3.8	139.147
Sr 421.552	14.4428	ug/L	0.014576	0.1	35132.9
Ti 336.122	2387.42	ug/L	4.81216	0.2	559841
Tl 190.794	-0.738547uv	ug/L	1.08880	147.4	1.42565
V 292.401	86.1608	ug/L	0.574870	0.7	3238.53
Zn 202.548	176.692	ug/L	0.602167	0.3	4060.30
Zr 339.198	32.3147	ug/L	2.41242	7.5	1821.34

360-24417-A-4-A (Samp) **9/4/2009, 2:20:02 PM** **Rack 1, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.87143	ug/L	0.477677	16.6	25.3359
Al 237.312	96639.6	ug/L	85.2119	0.1	355365
As 188.980	61.7960	ug/L	3.07344	5.0	63.0932
B 249.678	9.21313	ug/L	0.293158	3.2	291.764
Ba 493.408	155.595	ug/L	0.140060	0.1	382516
Be 313.042	2.43478	ug/L	0.001161	0.0	8254.98
Ca 373.690	12089.6	ug/L	22.0591	0.2	58011.5
Cd 214.439	1.59538	ug/L	0.053183	3.3	61.0811
Co 228.615	33.7579	ug/L	0.055518	0.2	295.418
Cr 267.716	329.924	ug/L	0.896486	0.3	15190.2
Cu 327.395	57.4467	ug/L	0.194566	0.3	4082.24
Fe 273.955	116527	ug/L	492.500	0.4	1311610
K 404.721	16093.9	ug/L	107.613	0.7	224.576
Li 610.365	225.743	ug/L	0.289355	0.1	16096.2
Mg 279.078	20074.4	ug/L	48.8718	0.2	84843.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	890.463	ug/L	1.75124	0.2	260949
Mo 202.032	4.90509	ug/L	0.884072	18.0	51.2451
Na 330.237	517.606	ug/L	20.7645	4.0	75.5945
Ni 216.555	128.021	ug/L	0.457684	0.4	1088.65
Pb 220.353	50.0317	ug/L	0.200330	0.4	242.362
Sb 217.582	0.462749	ug/L	0.189763	41.0	4.53238
Se 196.026	-3.66486uv	ug/L	0.387882	10.6	0.509445
Si 251.611	4603.89	ug/L	94.6556	2.1	23564.0
Si 288.158	4688.35	ug/L	86.8136	1.9	56924.5
Sn 283.998	118.365	ug/L	1.01099	0.9	539.296
Sr 421.552	43.1454	ug/L	0.008481	0.0	104700
Ti 336.122	3843.18	ug/L	2.77508	0.1	901182
Tl 190.794	0.073870	ug/L	0.032763	44.4	2.07899
V 292.401	140.524	ug/L	0.321961	0.2	5272.49
Zn 202.548	235.822	ug/L	2.91469	1.2	5390.32
Zr 339.198	35.9893	ug/L	2.55436	7.1	2027.77

360-24417-A-6-A (Samp) **9/4/2009, 2:22:56 PM** **Rack 1, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	6.75785	ug/L	0.274829	4.1	56.3970
Al 237.312	38317.3	ug/L	36.5624	0.1	148150
As 188.980	43.0240	ug/L	0.803266	1.9	44.3058
B 249.678	8.00638	ug/L	0.098746	1.2	258.283
Ba 493.408	102.670	ug/L	0.148103	0.1	252467
Be 313.042	1.17132	ug/L	0.004274	0.4	4071.97
Ca 373.690	13444.1	ug/L	39.6518	0.3	64390.3
Cd 214.439	1.00150	ug/L	0.052036	5.2	39.6637
Co 228.615	16.9204	ug/L	0.197640	1.2	153.231
Cr 267.716	547.537	ug/L	2.14773	0.4	25193.6
Cu 327.395	47.9482	ug/L	0.005338	0.0	3422.52
Fe 273.955	71204.9	ug/L	204.956	0.3	826273
K 404.721	5149.91	ug/L	258.728	5.0	76.1425
Li 610.365	37.9247	ug/L	0.219792	0.6	2709.56
Mg 279.078	10579.8	ug/L	35.4658	0.3	45194.0
Mn 257.610	460.649	ug/L	1.29240	0.3	135145
Mo 202.032	4.39083	ug/L	0.124428	2.8	46.6386
Na 330.237	298.719	ug/L	105.153	35.2	47.5496
Ni 216.555	86.2382	ug/L	0.482041	0.6	737.888
Pb 220.353	42.5923	ug/L	0.356542	0.8	207.263
Sb 217.582	-0.557108uv	ug/L	0.849143	152.4	2.53320
Se 196.026	-2.11951uv	ug/L	2.29077	108.1	1.34227
Si 251.611	3110.82	ug/L	18.1899	0.6	15938.2
Si 288.158	3165.94	ug/L	25.2639	0.8	38587.5
Sn 283.998	214.671	ug/L	1.15896	0.5	967.423
Sr 421.552	47.9848	ug/L	0.065317	0.1	116429
Ti 336.122	2295.83	ug/L	3.39915	0.1	538365
Tl 190.794	-0.837686uv	ug/L	0.070558	8.4	1.34592
V 292.401	78.0851	ug/L	0.103003	0.1	2936.39
Zn 202.548	95.5378	ug/L	0.707171	0.7	2234.89
Zr 339.198	24.5540	ug/L	1.45762	5.9	1385.35

360-24417-A-7-A (Samp) **9/4/2009, 2:25:49 PM** **Rack 1, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.350583uv	ug/L	0.244730	69.8	-0.415161
Al 237.312	25109.2	ug/L	118.841	0.5	101222
As 188.980	36.0991	ug/L	0.611705	1.7	37.3753
B 249.678	6.60961	ug/L	0.293522	4.4	219.530
Ba 493.408	95.1757	ug/L	0.080258	0.1	234051
Be 313.042	0.857482	ug/L	0.000688	0.1	3032.94
Ca 373.690	8641.51	ug/L	31.5222	0.4	41684.0
Cd 214.439	1.60164	ug/L	0.000396	0.0	61.3069
Co 228.615	17.9855	ug/L	0.243822	1.4	162.226
Cr 267.716	96.2295	ug/L	0.218570	0.2	4447.60
Cu 327.395	41.0078	ug/L	0.273041	0.7	2940.47
Fe 273.955	58404.2	ug/L	202.050	0.3	689196
K 404.721	7447.74	ug/L	148.916	2.0	106.546
Li 610.365	39.5622	ug/L	0.154202	0.4	2826.27
Mg 279.078	10467.1	ug/L	29.5259	0.3	44718.3
Mn 257.610	427.220	ug/L	1.07525	0.3	125360
Mo 202.032	2.14681	ug/L	0.445076	20.7	26.5377
Na 330.237	225.348	ug/L	16.7329	7.4	38.1522
Ni 216.555	59.3780	ug/L	0.520104	0.9	512.401
Pb 220.353	18.9661	ug/L	0.293635	1.5	95.7929
Sb 217.582	-0.439070uv	ug/L	0.285866	65.1	2.76459
Se 196.026	-2.22908uv	ug/L	1.33502	59.9	1.28322
Si 251.611	2319.01	ug/L	12.0692	0.5	11894.0
Si 288.158	2364.06	ug/L	19.7166	0.8	28929.0
Sn 283.998	32.3341	ug/L	1.51087	4.7	156.846
Sr 421.552	28.5037	ug/L	0.140244	0.5	69212.7
Ti 336.122	2087.95	ug/L	25.2466	1.2	489622
Tl 190.794	-0.898299uv	ug/L	0.866311	96.4	1.29718
V 292.401	74.2391	ug/L	0.252676	0.3	2792.49
Zn 202.548	138.921	ug/L	1.29678	0.9	3210.71
Zr 339.198	21.0349	ug/L	0.104366	0.5	1187.66

360-24417-A-9-A (Samp) **9/4/2009, 2:28:42 PM** **Rack 1, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.090466uv	ug/L	0.358034	395.8	3.10980
Al 237.312	54506.6	ug/L	62.1729	0.1	205669
As 188.980	36.0327	ug/L	0.225297	0.6	37.3089
B 249.678	3.83011	ug/L	0.134309	3.5	142.413
Ba 493.408	78.8253	ug/L	0.151437	0.2	193874
Be 313.042	1.67008	ug/L	0.010428	0.6	5723.24
Ca 373.690	7742.73	ug/L	38.7666	0.5	37407.1
Cd 214.439	1.06700	ug/L	0.090263	8.5	42.0260
Co 228.615	23.9349	ug/L	0.468485	2.0	212.467
Cr 267.716	91.3451	ug/L	0.370606	0.4	4223.07
Cu 327.395	32.0657	ug/L	0.276799	0.9	2319.39
Fe 273.955	75202.2	ug/L	240.891	0.3	869079
K 404.721	6701.28	ug/L	361.152	5.4	96.6270
Li 610.365	53.5837	ug/L	0.095121	0.2	3825.64
Mg 279.078	13656.9	ug/L	29.6950	0.2	58136.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	466.342	ug/L	0.585616	0.1	136811
Mo 202.032	1.86774	ug/L	0.328036	17.6	24.0379
Na 330.237	564.479	ug/L	11.2974	2.0	81.6033
Ni 216.555	79.9438	ug/L	0.178244	0.2	685.048
Pb 220.353	14.9237	ug/L	0.868591	5.8	76.7204
Sb 217.582	-0.237073uv	ug/L	0.794079	335.0	3.16055
Se 196.026	-2.85555uv	ug/L	0.407783	14.3	0.945602
Si 251.611	3723.59	ug/L	12.0395	0.3	19067.9
Si 288.158	3786.32	ug/L	17.2991	0.5	46059.8
Sn 283.998	30.5410	ug/L	0.234029	0.8	148.875
Sr 421.552	16.6322	ug/L	0.018361	0.1	40439.5
Ti 336.122	1861.64	ug/L	0.427182	0.0	436558
Tl 190.794	-0.876991uv	ug/L	0.217832	24.8	1.31432
V 292.401	82.9692	ug/L	0.177543	0.2	3119.12
Zn 202.548	111.559	ug/L	1.82220	1.6	2595.27
Zr 339.198	19.0670	ug/L	0.469737	2.5	1077.10

360-24417-A-11-A (Samp) **9/4/2009, 2:31:36 PM** **Rack 1, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.980979	ug/L	0.329111	33.5	10.2270
Al 237.312	139538	ug/L	1462.05	1.0	507781
As 188.980	81.1342	ug/L	1.94348	2.4	82.4471
B 249.678	7.74864	ug/L	0.023420	0.3	251.132
Ba 493.408	162.851	ug/L	0.902798	0.6	400348
Be 313.042	3.92363	ug/L	0.014449	0.4	13184.2
Ca 373.690	49396.8	ug/L	145.725	0.3	226497
Cd 214.439	1.51569	ug/L	0.150736	9.9	58.2071
Co 228.615	28.8708	ug/L	0.068351	0.2	254.149
Cr 267.716	169.265	ug/L	0.494681	0.3	7804.93
Cu 327.395	44.0438	ug/L	0.297930	0.7	3151.34
Fe 273.955	88331.3	ug/L	263.060	0.3	1009672
K 404.721	8180.95	ug/L	240.930	2.9	116.334
Li 610.365	71.8215	ug/L	0.423675	0.6	5125.52
Mg 279.078	15758.6	ug/L	48.4858	0.3	66925.5
Mn 257.610	775.776	ug/L	2.40379	0.3	227381
Mo 202.032	3.37836	ug/L	0.088323	2.6	37.5694
Na 330.237	858.354	ug/L	8.63534	1.0	119.300
Ni 216.555	82.7658	ug/L	0.266541	0.3	708.738
Pb 220.353	62.0613	ug/L	0.496947	0.8	299.118
Sb 217.582	0.935135	ug/L	0.329195	35.2	5.45837
Se 196.026	-1.15619uv	ug/L	0.893486	77.3	1.86142
Si 251.611	11563.2	ug/L	70.8391	0.6	59108.7
Si 288.158	11647.7	ug/L	68.9995	0.6	140748
Sn 283.998	58.9978	ug/L	0.189390	0.3	275.379
Sr 421.552	112.080	ug/L	0.376476	0.3	271780
Ti 336.122	2789.02	ug/L	4.37540	0.2	654007
Tl 190.794	-1.06184uv	ug/L	0.025894	2.4	1.16566
V 292.401	142.674	ug/L	0.463920	0.3	5352.92
Zn 202.548	186.185	ug/L	1.09606	0.6	4273.83
Zr 339.198	44.3134	ug/L	7.00642	15.8	2495.40

360-24417-A-13-A (Samp) **9/4/2009, 2:34:28 PM** **Rack 1, Tube 37**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.528200uv	ug/L	0.267928	50.7	-1.83472
Al 237.312	64585.5	ug/L	268.695	0.4	241479
As 188.980	17.3518	ug/L	0.875369	5.0	18.6127
B 249.678	3.04192	ug/L	0.055704	1.8	120.545
Ba 493.408	96.7301	ug/L	0.408305	0.4	237871
Be 313.042	1.49305	ug/L	0.004500	0.3	5137.16
Ca 373.690	10661.7	ug/L	38.9026	0.4	51265.5
Cd 214.439	0.796836	ug/L	0.096619	12.1	32.2830
Co 228.615	21.6301	ug/L	0.261261	1.2	193.003
Cr 267.716	94.8830	ug/L	0.438084	0.5	4385.70
Cu 327.395	20.3730	ug/L	0.189871	0.9	1507.27
Fe 273.955	60314.8	ug/L	364.450	0.6	709656
K 404.721	8673.17	ug/L	144.219	1.7	122.927
Li 610.365	66.9190	ug/L	0.365449	0.5	4776.10
Mg 279.078	15123.5	ug/L	62.3815	0.4	64274.1
Mn 257.610	524.690	ug/L	1.85106	0.4	153889
Mo 202.032	1.83461	ug/L	0.263962	14.4	23.7411
Na 330.237	851.701	ug/L	53.1099	6.2	118.447
Ni 216.555	82.9581	ug/L	0.434055	0.5	710.352
Pb 220.353	17.6587	ug/L	0.551567	3.1	89.6247
Sb 217.582	-0.203087uv	ug/L	1.68001	827.2	3.22717
Se 196.026	-2.49772uv	ug/L	0.181268	7.3	1.13844
Si 251.611	4213.20	ug/L	60.7894	1.4	21568.6
Si 288.158	4277.21	ug/L	63.3731	1.5	51972.5
Sn 283.998	29.8382	ug/L	0.073940	0.2	145.751
Sr 421.552	24.5256	ug/L	0.085114	0.3	59570.9
Ti 336.122	2339.71	ug/L	27.1304	1.2	548654
Tl 190.794	-0.948371uv	ug/L	0.398420	42.0	1.25691
V 292.401	83.7749	ug/L	0.482338	0.6	3149.26
Zn 202.548	109.318	ug/L	0.658581	0.6	2544.86
Zr 339.198	14.5803	ug/L	0.281382	1.9	825.048

360-24417-A-14-A (Samp) **9/4/2009, 2:37:22 PM** **Rack 1, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.607707	ug/L	0.567922	93.5	7.24371
Al 237.312	107250	ug/L	671.160	0.6	393063
As 188.980	91.8626	ug/L	1.84433	2.0	93.1843
B 249.678	7.00074	ug/L	0.298342	4.3	230.382
Ba 493.408	156.212	ug/L	0.837283	0.5	384033
Be 313.042	3.19927	ug/L	0.020501	0.6	10786.0
Ca 373.690	27487.6	ug/L	157.447	0.6	129364
Cd 214.439	2.12284	ug/L	0.029205	1.4	80.1032
Co 228.615	33.5439	ug/L	0.275550	0.8	293.611
Cr 267.716	230.180	ug/L	1.39015	0.6	10605.1
Cu 327.395	91.6189	ug/L	0.331629	0.4	6455.70
Fe 273.955	123304	ug/L	992.524	0.8	1384182
K 404.721	8434.74	ug/L	287.929	3.4	119.732
Li 610.365	73.4691	ug/L	0.424468	0.6	5242.95
Mg 279.078	17325.3	ug/L	86.4341	0.5	73450.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	704.204	ug/L	4.24117	0.6	206432
Mo 202.032	4.81670	ug/L	0.287942	6.0	50.4533
Na 330.237	214.764	ug/L	4.34823	2.0	36.7970
Ni 216.555	89.5636	ug/L	0.788633	0.9	765.804
Pb 220.353	87.0916	ug/L	0.226581	0.3	417.213
Sb 217.582	-0.024053uv	ug/L	0.881419	3664.5	3.57813
Se 196.026	-0.207673uv	ug/L	1.95541	941.6	2.37260
Si 251.611	6930.45	ug/L	101.891	1.5	35446.9
Si 288.158	7000.90	ug/L	104.362	1.5	84778.5
Sn 283.998	80.6166	ug/L	0.343676	0.4	371.485
Sr 421.552	127.314	ug/L	0.567916	0.4	308702
Ti 336.122	3505.81	ug/L	1.38746	0.0	822076
Tl 190.794	-0.883167uv	ug/L	1.28847	145.9	1.30935
V 292.401	155.332	ug/L	0.891781	0.6	5826.54
Zn 202.548	346.999	ug/L	2.34009	0.7	7891.03
Zr 339.198	34.7903	ug/L	5.23834	15.1	1960.41

360-24417-A-15-A (Samp) **9/4/2009, 2:40:15 PM** **Rack 1, Tube 39**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.08266	ug/L	0.825591	76.3	11.0396
Al 237.312	125839	ug/L	83.9579	0.1	459108
As 188.980	57.4690	ug/L	1.84661	3.2	58.7626
B 249.678	4.34640	ug/L	0.063796	1.5	156.737
Ba 493.408	77.2048	ug/L	0.008923	0.0	189892
Be 313.042	2.64901	ug/L	0.005013	0.2	8964.25
Ca 373.690	6379.34	ug/L	9.73860	0.2	30902.8
Cd 214.439	1.91866	ug/L	0.020970	1.1	72.7397
Co 228.615	20.7200	ug/L	0.165337	0.8	185.317
Cr 267.716	104.495	ug/L	0.294577	0.3	4827.54
Cu 327.395	21.2508	ug/L	0.133434	0.6	1568.24
Fe 273.955	92518.0	ug/L	204.575	0.2	1054506
K 404.721	4346.33	ug/L	68.4074	1.6	65.6038
Li 610.365	62.8760	ug/L	0.058925	0.1	4487.94
Mg 279.078	10661.4	ug/L	9.14267	0.1	45538.5
Mn 257.610	362.420	ug/L	0.247341	0.1	106394
Mo 202.032	2.59776	ug/L	0.198142	7.6	30.5771
Na 330.237	58.2767	ug/L	4.19022	7.2	16.7664
Ni 216.555	58.6218	ug/L	0.638261	1.1	506.053
Pb 220.353	36.1405	ug/L	0.325835	0.9	176.822
Sb 217.582	-0.246631uv	ug/L	1.33543	541.5	3.14182
Se 196.026	-0.483320uv	ug/L	1.16012	240.0	2.22404
Si 251.611	8077.57	ug/L	69.6669	0.9	41305.8
Si 288.158	8144.98	ug/L	110.513	1.4	98558.7
Sn 283.998	33.4904	ug/L	0.556948	1.7	161.986
Sr 421.552	15.5282	ug/L	0.005862	0.0	37763.6
Ti 336.122	2596.84	ug/L	4.38696	0.2	608945
Tl 190.794	-0.271665uv	ug/L	0.082271	30.3	1.80112
V 292.401	122.230	ug/L	0.177958	0.1	4588.03
Zn 202.548	215.801	ug/L	2.09655	1.0	4939.98
Zr 339.198	26.6536	ug/L	3.66463	13.7	1503.31

360-24395-A-1-A (Samp) **9/4/2009, 2:43:08 PM** **Rack 1, Tube 40**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.33802	ug/L	0.479308	20.5	21.0728
Al 237.312	85465.5	ug/L	144.896	0.2	315665
As 188.980	57.4305	ug/L	1.01368	1.8	58.7241
B 249.678	4.50026	ug/L	0.015581	0.3	161.006
Ba 493.408	237.212	ug/L	0.317117	0.1	583072
Be 313.042	2.91380	ug/L	0.006912	0.2	9840.88
Ca 373.690	-x	ug/L	1949.69	0.4	1715104
Cd 214.439	4.62488	ug/L	0.041729	0.9	170.335
Co 228.615	69.4361	ug/L	0.148702	0.2	596.708
Cr 267.716	98.7113	ug/L	0.499175	0.5	4561.68
Cu 327.395	193.299	ug/L	0.043255	0.0	13517.9
Fe 273.955	181803	ug/L	428.993	0.2	2010624
K 404.721	18893.1	ug/L	85.5820	0.5	264.015
Li 610.365	110.188	ug/L	0.429776	0.4	7860.03
Mg 279.078	-x	ug/L	926.608	0.4	878441
Mn 257.610	2830.08	ug/L	3.95452	0.1	828667
Mo 202.032	5.15544	ug/L	0.489960	9.5	53.4876
Na 330.237	936.791	ug/L	20.5708	2.2	129.369
Ni 216.555	139.573	ug/L	0.151777	0.1	1185.63
Pb 220.353	71.0554	ug/L	0.684508	1.0	341.553
Sb 217.582	-0.264504uv	ug/L	0.372017	140.6	3.10678
Se 196.026	-1.60355uv	ug/L	0.006006	0.4	1.62033
Si 251.611	2760.92	ug/L	38.2796	1.4	14151.1
Si 288.158	2790.02	ug/L	37.4499	1.3	34059.6
Sn 283.998	25.8221	ug/L	0.565764	2.2	127.897
Sr 421.552	274.528	ug/L	0.366156	0.1	665508
Ti 336.122	3415.23	ug/L	6.56594	0.2	800838
Tl 190.794	1.23942	ug/L	0.895586	72.3	3.01633
V 292.401	138.793	ug/L	0.152662	0.1	5207.74
Zn 202.548	571.465	ug/L	13.9490	2.4	12940.0
Zr 339.198	84.8050	ug/L	6.06804	7.2	4770.14

CCV (CCV) **9/4/2009, 2:46:02 PM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1003.03	ug/L	1.79055	0.2	8018.80	100.30264
Al 237.312	5021.67	ug/L	4.34449	0.1	22191.2	100.43342
As 188.980	1005.82	ug/L	4.78031	0.5	1007.88	100.58179
B 249.678	1000.05	ug/L	24.0018	2.4	27782.3	100.00487
Ba 493.408	1005.92	ug/L	1.43933	0.1	2471991	100.59220
Be 313.042	1003.23	ug/L	2.19685	0.2	3321627	100.32254
Ca 373.690	20171.7	ug/L	42.5852	0.2	95780.6	100.85836
Cd 214.439	1011.03	ug/L	0.132065	0.0	36464.8	101.10323
Co 228.615	1006.21	ug/L	1.97592	0.2	8507.41	100.62083
Cr 267.716	1005.63	ug/L	1.11245	0.1	46251.3	100.56273
Cu 327.395	991.467	ug/L	6.56331	0.7	68955.2	99.14673
Fe 273.955	5041.58	ug/L	7.01272	0.1	77128.8	100.83160
K 404.721	19643.6	ug/L	313.432	1.6	274.694	98.21816
Li 610.365	5034.13	ug/L	5.70312	0.1	358809	100.68255
Mg 279.078	20082.4	ug/L	8.79050	0.0	84876.4	100.41196

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	1004.31	ug/L	1.10658	0.1	294273	100.43143
Mo 202.032	1007.12	ug/L	4.02633	0.4	9028.61	100.71190
Na 330.237	20119.1	ug/L	4.88622	0.0	2679.72	100.59531
Ni 216.555	1013.83	ug/L	4.18800	0.4	8524.89	101.38298
Pb 220.353	1006.96	ug/L	0.559764	0.1	4757.20	100.69601
Sb 217.582	1000.42	ug/L	1.27507	0.1	1964.70	100.04218
Se 196.026	1003.02	ug/L	2.37634	0.2	543.032	100.30192
Si 251.611	1036.15	ug/L	14.4153	1.4	5341.83	103.61489
Si 288.158	1031.57	ug/L	13.9683	1.4	12879.5	103.15654
Sn 283.998	1004.44	ug/L	2.41510	0.2	4478.32	100.44383
Sr 421.552	1003.01	ug/L	1.70804	0.2	2431138	100.30052
Ti 336.122	1002.29	ug/L	1.35504	0.1	235061	100.22942
Tl 190.794	1004.44	ug/L	7.06917	0.7	809.787	100.44414
V 292.401	1005.33	ug/L	2.19357	0.2	37628.6	100.53288
Zn 202.548	1015.58	ug/L	0.672062	0.1	22929.5	101.55795
Zr 339.198	973.983	ug/L	6.12681	0.6	54722.5	97.39828

CCB (CCB) **9/4/2009, 2:48:56 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.125060uv	ug/L	0.247506	197.9	3.38629	0.12506
Al 237.312	-0.332331uv	ug/L	0.094013	28.3	12.6517	-0.33233
As 188.980	1.86676	ug/L	0.503668	27.0	3.11507	1.86676
B 249.678	29.6680	ug/L	5.52147	18.6	859.281	29.66801
Ba 493.408	0.092010	ug/L	0.014611	15.9	405.901	0.09201
Be 313.042	0.075688	ug/L	0.006798	9.0	444.610	0.07569
Ca 373.690	-25.4331uv	ug/L	0.918772	3.6	80.2307	-25.43308
Cd 214.439	0.149938	ug/L	0.009554	6.4	8.95367	0.14994
Co 228.615	0.185594	ug/L	0.133495	71.9	11.9120	0.18559
Cr 267.716	0.453438	ug/L	0.106147	23.4	44.9088	0.45344
Cu 327.395	-0.261174uv	ug/L	0.062098	23.8	74.1125	-0.26117
Fe 273.955	2.56960	ug/L	0.849687	33.1	62.6221	2.56960
K 404.721	111.959	ug/L	131.945	117.9	10.8951	111.95885
Li 610.365	-0.118532uv	ug/L	0.000891	0.8	-1.93555	-0.11853
Mg 279.078	0.670891	ug/L	0.463152	69.0	17.8043	0.67089
Mn 257.610	-0.626661uv	ug/L	0.018201	2.9	131.491	-0.62666
Mo 202.032	10.5523	ug/L	2.23108	21.1	101.830	10.55228
Na 330.237	2.76600uv	ug/L	8.44559	305.3	9.66370	2.76600
Ni 216.555	-0.835901uv	ug/L	0.130272	15.6	6.91353	-0.83590
Pb 220.353	0.342672uv	ug/L	0.681639	198.9	7.92653	0.34267
Sb 217.582	0.866986	ug/L	0.062385	7.2	5.32478	0.86699
Se 196.026	0.286307	ug/L	0.177294	61.9	2.63881	0.28631
Si 251.611	14.5375	ug/L	0.235240	1.6	123.964	14.53748
Si 288.158	14.1902	ug/L	0.027920	0.2	625.523	14.19020
Sn 283.998	-0.212508uv	ug/L	0.749621	352.7	12.1606	-0.21251
Sr 421.552	0.079392	ug/L	0.003467	4.4	319.892	0.07939
Ti 336.122	0.619554	ug/L	0.195847	31.6	192.485	0.61955
Tl 190.794	1.26635	ug/L	0.458064	36.2	3.03798	1.26635
V 292.401	0.144888	ug/L	0.009046	6.2	20.3021	0.14489
Zn 202.548	-1.43454uv	ug/L	0.000286	0.0	53.6872	-1.43454
Zr 339.198	0.605430	ug/L	0.060871	10.1	39.9672	0.60543

360-24395-A-2-A (Samp) **9/4/2009, 2:51:49 PM** **Rack 1, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	9.63837	ug/L	0.352234	3.7	79.4188
Al 237.312	84002.8	ug/L	281.473	0.3	310468
As 188.980	40.8819	ug/L	0.443652	1.1	42.1620
B 249.678	20.2963	ug/L	0.625304	3.1	599.264
Ba 493.408	194.221	ug/L	0.545209	0.3	477432
Be 313.042	2.86625	ug/L	0.011256	0.4	9683.48
Ca 373.690	-x	ug/L	7269.32	0.4	6752224
Cd 214.439	3.31474	ug/L	0.003571	0.1	123.087
Co 228.615	62.6513	ug/L	0.275385	0.4	539.412
Cr 267.716	82.7045	ug/L	0.683202	0.8	3825.87
Cu 327.395	134.265	ug/L	0.033469	0.0	9417.73
Fe 273.955	170559	ug/L	211.602	0.1	1890219
K 404.721	19378.8	ug/L	405.277	2.1	270.924
Li 610.365	251.581	ug/L	0.918313	0.4	17937.7
Mg 279.078	-x	ug/L	9413.71	0.9	3711268
Mn 257.610	3206.11	ug/L	10.6080	0.3	938729
Mo 202.032	10.2335	ug/L	0.849168	8.3	98.9746
Na 330.237	1437.07	ug/L	36.0564	2.5	193.656
Ni 216.555	111.317	ug/L	0.264199	0.2	948.422
Pb 220.353	82.3608	ug/L	1.12997	1.4	394.892
Sb 217.582	1.62910	ug/L	0.328226	20.1	6.81873
Se 196.026	-1.45153uv	ug/L	1.23812	85.3	1.70226
Si 251.611	1977.89	ug/L	11.2492	0.6	10151.8
Si 288.158	1976.90	ug/L	11.0959	0.6	24265.9
Sn 283.998	17.5150	ug/L	1.69019	9.6	90.9678
Sr 421.552	959.949	ug/L	2.95018	0.3	2326782
Ti 336.122	2508.65	ug/L	46.7381	1.9	588266
Tl 190.794	0.949481	ug/L	1.13679	119.7	2.78316
V 292.401	169.052	ug/L	0.289841	0.2	6339.84
Zn 202.548	494.885	ug/L	2.93458	0.6	11217.4
Zr 339.198	118.472	ug/L	1.16871	1.0	6661.47

360-24395-A-3-A (Samp) **9/4/2009, 2:54:42 PM** **Rack 1, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	6.49212	ug/L	0.444683	6.8	54.2733
Al 237.312	83957.5	ug/L	323.507	0.4	310307
As 188.980	50.1838	ug/L	1.19973	2.4	51.4715
B 249.678	10.0864	ug/L	0.776075	7.7	315.993
Ba 493.408	252.706	ug/L	0.547183	0.2	621145
Be 313.042	3.01909	ug/L	0.005535	0.2	10189.5
Ca 373.690	-x	ug/L	19158.1	1.6	4562376
Cd 214.439	3.86406	ug/L	0.076174	2.0	142.897
Co 228.615	80.1608	ug/L	0.056435	0.1	687.274
Cr 267.716	86.3552	ug/L	0.321821	0.4	3993.69
Cu 327.395	127.891	ug/L	0.929912	0.7	8975.01
Fe 273.955	204225	ug/L	452.880	0.2	2250729
K 404.721	23445.4	ug/L	174.277	0.7	329.438
Li 610.365	182.866	ug/L	3.87397	2.1	13040.1
Mg 279.078	-x	ug/L	1248.31	0.2	2034698

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3620.46	ug/L	9.46135	0.3	1060005
Mo 202.032	10.6961	ug/L	0.202134	1.9	103.118
Na 330.237	4699.01	ug/L	18.5053	0.4	615.747
Ni 216.555	136.548	ug/L	0.963360	0.7	1160.23
Pb 220.353	56.1317	ug/L	0.606003	1.1	271.142
Sb 217.582	1.89753	ug/L	1.46689	77.3	7.34491
Se 196.026	0.632859uv	ug/L	1.31164	207.3	2.82558
Si 251.611	2752.00	ug/L	41.7747	1.5	14105.5
Si 288.158	2771.37	ug/L	29.3625	1.1	33835.0
Sn 283.998	20.3551	ug/L	1.77803	8.7	103.594
Sr 421.552	717.680	ug/L	2.18459	0.3	1739589
Ti 336.122	2842.92	ug/L	2.91889	0.1	666645
Tl 190.794	-0.342172uv	ug/L	0.539938	157.8	1.74442
V 292.401	117.402	ug/L	0.282806	0.2	4407.42
Zn 202.548	473.352	ug/L	4.51521	1.0	10733.1
Zr 339.198	112.681	ug/L	1.32348	1.2	6336.14

360-24395-A-4-A (Samp) **9/4/2009, 2:57:36 PM** **Rack 1, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	4.59422	ug/L	0.851241	18.5	39.1049
Al 237.312	142677	ug/L	67.2083	0.0	518935
As 188.980	52.1719	ug/L	3.14806	6.0	53.4612
B 249.678	16.8005	ug/L	0.287826	1.7	502.275
Ba 493.408	202.350	ug/L	0.279008	0.1	497407
Be 313.042	4.42515	ug/L	0.006230	0.1	14844.6
Ca 373.690	-x	ug/L	6672.92	0.7	3581574
Cd 214.439	31.8732	ug/L	0.065206	0.2	1153.00
Co 228.615	83.4460	ug/L	0.492869	0.6	715.017
Cr 267.716	175.726	ug/L	0.533135	0.3	8101.94
Cu 327.395	388.113	ug/L	1.79373	0.5	27048.9
Fe 273.955	256887	ug/L	763.167	0.3	2814668
K 404.721	12287.3	ug/L	38.8881	0.3	171.906
Li 610.365	207.596	ug/L	0.792668	0.4	14802.7
Mg 279.078	-x	ug/L	3364.41	0.6	1936544
Mn 257.610	4007.60	ug/L	7.43791	0.2	1173321
Mo 202.032	21.7423	ug/L	0.258593	1.2	202.065
Na 330.237	2392.47	ug/L	82.9968	3.5	316.759
Ni 216.555	173.357	ug/L	0.341199	0.2	1469.23
Pb 220.353	356.442	ug/L	0.973869	0.3	1688.02
Sb 217.582	0.902255	ug/L	0.939411	104.1	5.39392
Se 196.026	3.89572	ug/L	1.15460	29.6	4.58400
Si 251.611	2763.59	ug/L	26.8112	1.0	14164.7
Si 288.158	2789.84	ug/L	38.3473	1.4	34057.4
Sn 283.998	52.0639	ug/L	0.147256	0.3	244.555
Sr 421.552	647.313	ug/L	1.68995	0.3	1569037
Ti 336.122	4434.87	ug/L	53.3413	1.2	1039919
Tl 190.794	1.19829uv	ug/L	2.53300	211.4	2.98325
V 292.401	268.284	ug/L	0.561965	0.2	10052.5
Zn 202.548	1141.76	ug/L	2.01860	0.2	25767.6
Zr 339.198	158.895	ug/L	0.472433	0.3	8932.38

360-24395-A-5-A (Samp) **9/4/2009, 3:00:30 PM** **Rack 1, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	6.39824	ug/L	1.00125	15.6	53.5229
Al 237.312	126101	ug/L	527.330	0.4	460040
As 188.980	59.5808	ug/L	1.19272	2.0	60.8761
B 249.678	8.36546	ug/L	0.195028	2.3	268.246
Ba 493.408	375.347	ug/L	1.47608	0.4	922504
Be 313.042	4.63510	ug/L	0.021299	0.5	15539.7
Ca 373.690	-x	ug/L	35568.2	3.0	4535426
Cd 214.439	5.04045	ug/L	0.006328	0.1	185.322
Co 228.615	100.813	ug/L	0.085901	0.1	861.677
Cr 267.716	106.843	ug/L	0.732052	0.7	4935.47
Cu 327.395	152.210	ug/L	0.582638	0.4	10664.1
Fe 273.955	260250	ug/L	264.104	0.1	2850682
K 404.721	30187.7	ug/L	496.006	1.6	429.254
Li 610.365	224.192	ug/L	1.22663	0.5	15985.6
Mg 279.078	-x	ug/L	2473.90	0.4	1997808
Mn 257.610	4971.24	ug/L	14.4049	0.3	1455374
Mo 202.032	8.82648	ug/L	0.376371	4.3	86.3710
Na 330.237	6713.40	ug/L	36.5524	0.5	878.939
Ni 216.555	166.246	ug/L	0.982112	0.6	1409.55
Pb 220.353	75.1983	ug/L	1.74395	2.3	361.099
Sb 217.582	3.17431	ug/L	0.265214	8.4	9.84772
Se 196.026	2.32233	ug/L	1.65616	71.3	3.73607
Si 251.611	2725.88	ug/L	17.4139	0.6	13972.1
Si 288.158	2743.58	ug/L	10.9410	0.4	33500.2
Sn 283.998	27.1693	ug/L	0.094366	0.3	133.886
Sr 421.552	830.684	ug/L	2.90339	0.3	2013478
Ti 336.122	3666.46	ug/L	12.6181	0.3	859745
Tl 190.794	1.25521	ug/L	1.65228	131.6	3.02902
V 292.401	158.776	ug/L	0.640190	0.4	5955.38
Zn 202.548	667.849	ug/L	5.08626	0.8	15107.9
Zr 339.198	121.407	ug/L	3.20944	2.6	6826.40

CCV (CCV) **9/4/2009, 3:28:09 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	1003.54	ug/L	2.26625	0.2	8022.90	100.35396
Al 237.312	5033.34	ug/L	5.81153	0.1	22241.6	100.66686
As 188.980	1002.78	ug/L	1.69259	0.2	1004.84	100.27783
B 249.678	1026.06	ug/L	16.6202	1.6	28504.1	102.60640
Ba 493.408	1010.01	ug/L	1.40653	0.1	2482031	101.00079
Be 313.042	1001.22	ug/L	0.661575	0.1	3314994	100.12221
Ca 373.690	20149.3	ug/L	36.1674	0.2	95677.1	100.74651
Cd 214.439	1006.52	ug/L	0.999203	0.1	36302.2	100.65245
Co 228.615	1004.38	ug/L	1.16623	0.1	8492.00	100.43826
Cr 267.716	1002.95	ug/L	1.69591	0.2	46128.4	100.29529
Cu 327.395	995.929	ug/L	11.1505	1.1	69265.0	99.59289
Fe 273.955	5024.06	ug/L	8.21494	0.2	76869.9	100.48123
K 404.721	19906.1	ug/L	91.2113	0.5	278.437	99.53074
Li 610.365	5026.48	ug/L	9.65194	0.2	358264	100.52963
Mg 279.078	20036.8	ug/L	31.2964	0.2	84688.0	100.18397

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	1002.33	ug/L	1.48271	0.1	293693	100.23331
Mo 202.032	1012.56	ug/L	4.18559	0.4	9077.33	101.25582
Na 330.237	20122.9	ug/L	94.4540	0.5	2680.24	100.61427
Ni 216.555	1009.39	ug/L	1.36087	0.1	8487.63	100.93918
Pb 220.353	1000.41	ug/L	0.645865	0.1	4726.30	100.04098
Sb 217.582	1016.77	ug/L	1.65301	0.2	1996.76	101.67731
Se 196.026	1004.34	ug/L	2.02093	0.2	543.743	100.43384
Si 251.611	1019.92	ug/L	12.3249	1.2	5258.96	101.99234
Si 288.158	1011.73	ug/L	14.3746	1.4	12640.6	101.17268
Sn 283.998	1000.70	ug/L	3.28103	0.3	4461.71	100.07013
Sr 421.552	1004.06	ug/L	1.88710	0.2	2433684	100.40553
Ti 336.122	1004.07	ug/L	0.671026	0.1	235478	100.40728
Tl 190.794	1008.81	ug/L	1.04970	0.1	813.304	100.88144
V 292.401	1006.16	ug/L	1.81175	0.2	37659.6	100.61564
Zn 202.548	1008.71	ug/L	0.317387	0.0	22774.9	100.87063
Zr 339.198	1025.11	ug/L	0.999893	0.1	57594.9	102.51139

CCB (CCB) **9/4/2009, 3:31:02 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	0.423561	ug/L	0.000346	0.1	5.77197	0.42356
Al 237.312	-1.21635uv	ug/L	0.196767	16.2	8.66241	-1.21635
As 188.980	2.12532	ug/L	0.132415	6.2	3.37384	2.12532
B 249.678	38.1494	ug/L	5.87283	15.4	1094.59	38.14935
Ba 493.408	0.069695	ug/L	0.009420	13.5	351.069	0.06970
Be 313.042	0.047677	ug/L	0.004453	9.3	351.873	0.04768
Ca 373.690	-28.3767uv	ug/L	0.096298	0.3	65.9643	-28.37668
Cd 214.439	0.043678	ug/L	0.010226	23.4	5.12157	0.04368
Co 228.615	0.222963	ug/L	0.183133	82.1	12.2276	0.22296
Cr 267.716	0.239984	ug/L	0.003453	1.4	35.0967	0.23998
Cu 327.395	-0.332690uv	ug/L	0.211913	63.7	69.1454	-0.33269
Fe 273.955	1.52096	ug/L	0.701658	46.1	46.0452	1.52096
K 404.721	560.849	ug/L	507.616	90.5	16.6344	560.84924
Li 610.365	-0.014866uv	ug/L	0.005813	39.1	5.45313	-0.01487
Mg 279.078	1.45631	ug/L	0.964889	66.3	21.1973	1.45631
Mn 257.610	-0.688232uv	ug/L	0.003159	0.5	113.470	-0.68823
Mo 202.032	11.3205	ug/L	2.44715	21.6	108.712	11.32054
Na 330.237	-10.7504uv	ug/L	6.04381	56.2	7.93445	-10.75037
Ni 216.555	-1.04947uv	ug/L	0.117378	11.2	5.12062	-1.04947
Pb 220.353	0.119970uv	ug/L	0.801920	668.4	6.87581	0.11997
Sb 217.582	3.92186	ug/L	0.138100	3.5	11.3131	3.92186
Se 196.026	2.18391	ug/L	0.197725	9.1	3.66147	2.18391
Si 251.611	5.27308	ug/L	1.50322	28.5	76.6465	5.27308
Si 288.158	3.50116	ug/L	0.604424	17.3	496.776	3.50116
Sn 283.998	-0.648687uv	ug/L	0.082754	12.8	10.2216	-0.64869
Sr 421.552	0.059037	ug/L	0.000114	0.2	270.555	0.05904
Ti 336.122	0.605187	ug/L	0.130142	21.5	189.116	0.60519
Tl 190.794	1.08639	ug/L	0.273726	25.2	2.89326	1.08639
V 292.401	0.158350	ug/L	0.000538	0.3	20.8057	0.15835
Zn 202.548	-1.56549uv	ug/L	0.025760	1.6	50.7417	-1.56549
Zr 339.198	0.643196	ug/L	0.184224	28.6	42.0889	0.64320

Interf Check A (ICSA) **9/4/2009, 4:26:02 PM** **Rack 0, Tube 10**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.543802	ug/L	0.231435	42.6	6.73297	0.54380
Al 237.312	117943	ug/L	219.728	0.2	4310567	943.25000K
As 188.980	2.05716	ug/L	1.50830	73.3	3.30562	2.05716
B 249.678	9.39715	ug/L	0.649170	6.9	296.870	9.39715
Ba 493.408	0.490765	ug/L	0.011322	2.3	1385.75	0.49077
Be 313.042	-0.042772uv	ug/L	0.000165	0.4	52.4194	-0.04277
Ca 373.690	109197	ug/L	338.003	0.3	4658119	196.67188K
Cd 214.439	0.419064	ug/L	0.011989	2.9	18.6592	0.41906
Co 228.615	1.66713	ug/L	0.096394	5.8	24.4230	1.66713
Cr 267.716	0.393995	ug/L	0.081830	20.8	42.1763	0.39400
Cu 327.395	0.051698	ug/L	0.065339	126.4	95.8433	0.05170
Fe 273.955	45451.4	ug/L	38.3716	0.1	5504905	451.39453K
K 404.721	1874.46	ug/L	359.460	19.2	33.5022	1874.45679
Li 610.365	1.27599	ug/L	0.006762	0.5	97.4580	1.27599
Mg 279.078	110665	ug/L	238.792	0.2	4210890	664.66406K
Mn 257.610	2.24712	ug/L	0.014828	0.7	972.633	2.24712
Mo 202.032	2.23299	ug/L	0.641228	28.7	27.3096	2.23299
Na 330.237	145.439	ug/L	13.5052	9.3	27.9219	145.43915
Ni 216.555	4.45513	ug/L	0.678865	15.2	51.3310	4.45513
Pb 220.353	-1.28022uv	ug/L	0.090176	7.0	0.269653	-1.28022
Sb 217.582	0.724622	ug/L	0.736153	101.6	5.04572	0.72462
Se 196.026	-2.39967uv	ug/L	1.32449	55.2	1.19128	-2.39967
Si 251.611	7.51302	ug/L	1.73303	23.1	88.0870	7.51302
Si 288.158	7.91946	ug/L	1.02665	13.0	549.993	7.91946
Sn 283.998	0.434668uv	ug/L	1.18582	272.8	15.0376	0.43467
Sr 421.552	0.565977	ug/L	0.004067	0.7	1499.24	0.56598
Ti 336.122	1.68766	ug/L	0.147333	8.7	442.930	1.68766
Tl 190.794	-0.528591uv	ug/L	1.18107	223.4	1.59450	-0.52859
V 292.401	1.92300	ug/L	0.168719	8.8	86.8291	1.92300
Zn 202.548	-0.964020uv	ug/L	0.280081	29.1	64.2707	-0.96402
Zr 339.198	1.00731	ug/L	0.004837	0.5	62.5442	1.00731

Interf Check AB (ICSAB) **9/4/2009, 4:28:58 PM** **Rack 0, Tube 11**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	631.519	ug/L	2.51492	0.4	5049.63	105.25312
Al 237.312	115414	ug/L	415.591	0.4	422071	115.41438
As 188.980	1929.77	ug/L	0.996009	0.1	1932.59	96.48830
B 249.678	5.92369	ug/L	0.240572	4.1	200.499	-
Ba 493.408	583.259	ug/L	1.75081	0.3	1433399	97.20986
Be 313.042	187.698	ug/L	0.415248	0.2	621616	93.84898
Ca 373.690	106220	ug/L	507.172	0.5	454584	106.22015
Cd 214.439	559.022	ug/L	1.47632	0.3	20163.7	93.17029
Co 228.615	562.801	ug/L	2.29085	0.4	4762.99	93.80013
Cr 267.716	558.426	ug/L	1.92068	0.3	25694.1	93.07102
Cu 327.395	597.329	ug/L	4.97914	0.8	41580.1	99.55485
Fe 273.955	44356.9	ug/L	114.642	0.3	538769	110.89229
K 404.721	42258.8	ug/L	131.008	0.3	616.647	105.64694
Li 610.365	1.23631	ug/L	0.004050	0.3	94.6299	-
Mg 279.078	106829	ug/L	390.577	0.4	408123	106.82896

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	374.102	ug/L	1.03505	0.3	109813	93.52542
Mo 202.032	1.15924	ug/L	0.612880	52.9	17.6915	-
Na 330.237	-32.7511uv	ug/L	21.6560	66.1	5.11975	-
Ni 216.555	565.232	ug/L	1.93017	0.3	4758.97	94.20528
Pb 220.353	1831.44	ug/L	5.27508	0.3	8647.15	91.57206
Sb 217.582	928.722	ug/L	6.23064	0.7	1824.15	92.87215
Se 196.026	941.700	ug/L	6.11632	0.6	509.986	94.17000
Si 251.611	8.54016	ug/L	0.763002	8.9	93.3331	-
Si 288.158	8.42833	ug/L	1.27002	15.1	556.123	-
Sn 283.998	229.335	ug/L	0.747115	0.3	1032.61	-
Sr 421.552	0.584757	ug/L	0.003772	0.6	1544.76	-
Ti 336.122	1.65063	ug/L	0.046686	2.8	434.247	-
Tl 190.794	1836.00	ug/L	11.6219	0.6	1478.52	91.80003
V 292.401	577.642	ug/L	2.42882	0.4	21627.0	96.27366
Zn 202.548	541.090	ug/L	0.840682	0.2	12256.7	90.18162
Zr 339.198	3.04722	ug/L	0.411885	13.5	177.142	-

Metals Worksheet

Batch Number: 360-48596
Method: 3050B
Analyst: Burton, Teresa F

Date Open: Sep 04 2009 8:57AM
Batch End: Sep 04 2009 1:00PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	stlma-3_00039	stlma2_00035
MB~360-48596/1		3050B, 6010B		2.0 g	100 mL		
LCS~360-48596/2		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
LCSD~360-48596/3		3050B, 6010B		2.0 g	100 mL	1.0 mL	1.0 mL
360-24417-A-10	OC-SB-465-8.0/10-XXX	3050B, 6010B	T	1.53 g	100 mL		
360-24417-A-10~DU		3050B, 6010B	T	1.52 g	100 mL		
360-24417-A-10~MS	OC-SB-465-8.0/10-XMS	3050B, 6010B	T	1.52 g	100 mL	1.0 mL	1.0 mL
360-24417-A-1	OC-SB-463-0.0/1.0-XXX	3050B, 6010B	T	1.55 g	100 mL		
360-24417-A-3	OC-SB-463-6.0/8.0-XXX	3050B, 6010B	T	1.77 g	100 mL		
360-24417-A-4	OC-SB-464-0.0/1.0-XXX	3050B, 6010B	T	1.79 g	100 mL		
360-24417-A-6	OC-SB-464-5.0/7.0-XXX	3050B, 6010B	T	1.55 g	100 mL		
360-24417-A-7	OC-SB-465-0.0/1.0-XXX	3050B, 6010B	T	1.71 g	100 mL		
360-24417-A-9	OC-SB-465-8.0/10-DUP	3050B, 6010B	T	1.70 g	100 mL		
360-24417-A-11	OC-SB-468-0.0/1.0-XXX	3050B, 6010B	T	1.85 g	100 mL		
360-24417-A-13	OC-SB-468-8.0/10-XXX	3050B, 6010B	T	1.95 g	100 mL		
360-24417-A-14	OC-SB-471-0.0/1.0-XXX	3050B, 6010B	T	1.77 g	100 mL		
360-24417-A-15	OC-SB-471-3.0/5.0-XXX	3050B, 6010B	T	1.64 g	100 mL		
360-24395-A-1	SB1 5-10		T	1.68 g	100 mL		
360-24395-A-2	SB2 5-10		T	1.70 g	100 mL		
360-24395-A-3	SB3 10-121/2		T	1.69 g	100 mL		
360-24395-A-4	SB4 5-10		T	1.67 g	100 mL		
360-24395-A-5	SB5 5-10		T	1.75 g	100 mL		

Balance ID:	37037
Hood ID or number:	5
Hot Block ID number:	1
Lot # of hydrochloric acid:	415420
Lot # of Nitric Acid:	415424
Logbook ID for diluted Nitric:	427689
Hydrogen peroxide lot number:	415984
Oven, Bath or Block Temperature 1:	95 Degrees C

Metals Worksheet

Batch Number: 360-48671
Method: 7471A
Analyst: Nasiatka, Ellen M

Date Open: Sep 08 2009 8:29AM
Batch End: Sep 08 2009 11:00AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	METHG1mg/L_00514
MB~360-48671/1		7471A, 7471A		0.20 g	50 mL	
LCS~360-48671/2		7471A, 7471A		0.20 g	50 mL	250 uL
LCSD~360-48671/3		7471A, 7471A		0.20 g	50 mL	250 uL
360-24417-E-10	OC-SB-465-8.0/10-XXX	7471A, 7471A	T	0.26 g	50 mL	
360-24417-E-10~DU		7471A, 7471A	T	0.27 g	50 mL	
360-24417-A-10~MS	OC-SB-465-8.0/10-XMS	7471A, 7471A	T	0.26 g	50 mL	250 uL
360-24417-A-1	OC-SB-463-0.0/1.0-XXX	7471A, 7471A	T	0.28 g	50 mL	
360-24417-A-3	OC-SB-463-6.0/8.0-XXX	7471A, 7471A	T	0.26 g	50 mL	
360-24417-A-4	OC-SB-464-0.0/1.0-XXX	7471A, 7471A	T	0.27 g	50 mL	
360-24417-A-6	OC-SB-464-5.0/7.0-XXX	7471A, 7471A	T	0.29 g	50 mL	
360-24417-E-7	OC-SB-465-0.0/1.0-XXX	7471A, 7471A	T	0.29 g	50 mL	
360-24417-E-9	OC-SB-465-8.0/10-DUP	7471A, 7471A	T	0.24 g	50 mL	
360-24417-E-11	OC-SB-468-0.0/1.0-XXX	7471A, 7471A	T	0.25 g	50 mL	
360-24417-A-13	OC-SB-468-8.0/10-XXX	7471A, 7471A	T	0.28 g	50 mL	
360-24417-E-14	OC-SB-471-0.0/1.0-XXX	7471A, 7471A	T	0.27 g	50 mL	
360-24417-E-15	OC-SB-471-3.0/5.0-XXX	7471A, 7471A	T	0.27 g	50 mL	
360-24444-E-1	OC-SB-459-6.0/8.0-DUP		T	0.30 g	50 mL	
360-24444-E-2	OC-SB-459-6.0/8.0-XXX		T	0.31 g	50 mL	
360-24444-E-2~MS	OC-SB-459-6.0/8.0-XMS		T	0.31 g	50 mL	250 uL
360-24444-A-3	OC-SB-462-0.0/1.0-XXX		T	0.30 g	50 mL	
360-24444-A-5	OC-SB-462-4.0/6.0-XXX		T	0.24 g	50 mL	
360-24444-A-8	OC-SB-467-6.0/8.0-DUP		T	0.25 g	50 mL	
360-24444-A-9	OC-SB-467-6.0/8.0-XXX		T	0.28 g	50 mL	
360-24444-A-9~MS	OC-SB-467-6.0/8.0-XMS		T	0.28 g	50 mL	250 uL
360-24444-A-12	OC-SB-459-0.0/1.0-XXX		T	0.29 g	50 mL	

Metals Worksheet

Batch Number: 360-48671
Method: 7471A
Analyst: Nasiatka, Ellen M

Date Open: Sep 08 2009 8:29AM
Batch End: Sep 08 2009 11:00AM

Hood ID or number:	1
Lot # of Nitric Acid:	415424
Lot # of hydrochloric acid:	415420
Potassium Permanganate Lot Number:	425795
Sulfuric Acid Lot Number:	NA
Oven, Bath or Block Temperature 1:	95

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-24417-1

SDG No.: OCRI-10

Project: Olin Chemical Superfund Site

Client Sample ID	Lab Sample ID
OC-SB-463-0.0/1.0-XXX	360-24417-1
OC-SB-463-28/30-XXX	360-24417-2
OC-SB-463-6.0/8.0-XXX	360-24417-3
OC-SB-464-0.0/1.0-XXX	360-24417-4
OC-SB-464-26/28-XXX	360-24417-5
OC-SB-464-5.0/7.0-XXX	360-24417-6
OC-SB-465-0.0/1.0-XXX	360-24417-7
OC-SB-465-16/18-XXX	360-24417-8
OC-SB-465-8.0/10-DUP	360-24417-9
OC-SB-465-8.0/10-XXX	360-24417-10
OC-SB-468-0.0/1.0-XXX	360-24417-11
OC-SB-468-31/33-XXX	360-24417-12
OC-SB-468-8.0/10-XXX	360-24417-13
OC-SB-471-0.0/1.0-XXX	360-24417-14
OC-SB-471-3.0/5.0-XXX	360-24417-15
OC-SB-471-26/28-XXX	360-24417-16

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-463-0.0/1.0-XXX
Lab Sample ID: 360-24417-1
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 13:00
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 96.2

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	11	6.4		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-463-0.0/1.0-XXX
Lab Sample ID: 360-24417-1
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 13:00
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 96.2

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	54	42		mg/Kg			1	300.0
16887-00-6	Chloride	ND	21		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-463-28/30-XXX
Lab Sample ID: 360-24417-2
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 14:50
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 90.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	510	7.8		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-463-28/30-XXX
Lab Sample ID: 360-24417-2
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 14:50
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 90.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	43		mg/Kg			1	300.0
16887-00-6	Chloride	ND	22		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-463-6.0/8.0-XXX
Lab Sample ID: 360-24417-3
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 13:10
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 84.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	ND	8.3		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-463-6.0/8.0-XXX
Lab Sample ID: 360-24417-3
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 13:10
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 84.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	69	48		mg/Kg			1	300.0
16887-00-6	Chloride	ND	24		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-464-0.0/1.0-XXX
Lab Sample ID: 360-24417-4
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 15:50
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 94.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	11	7.0		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-464-0.0/1.0-XXX
Lab Sample ID: 360-24417-4
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 15:50
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 94.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	42		mg/Kg			1	300.0
16887-00-6	Chloride	ND	21		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-464-26/28-XXX
Lab Sample ID: 360-24417-5
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 16:50
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 92.5

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	120	6.4		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-464-26/28-XXX
Lab Sample ID: 360-24417-5
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 16:50
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 92.5

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	43		mg/Kg			1	300.0
16887-00-6	Chloride	31	22		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-464-5.0/7.0-XXX
Lab Sample ID: 360-24417-6
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 16:50
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 87.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	11	7.1		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-464-5.0/7.0-XXX
Lab Sample ID: 360-24417-6
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/01/2009 16:50
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 87.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	45		mg/Kg			1	300.0
16887-00-6	Chloride	ND	23		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-465-0.0/1.0-XXX
Lab Sample ID: 360-24417-7
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 07:35
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 95.0

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	ND	6.7		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-465-0.0/1.0-XXX
Lab Sample ID: 360-24417-7
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 07:35
Reporting Basis: WET
Date Received: 09/02/2009 17:10

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	1100	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-465-0.0/1.0-XXX
Lab Sample ID: 360-24417-7
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 07:35
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 95.0

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	41		mg/Kg			1	300.0
16887-00-6	Chloride	ND	21		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-465-16/18-XXX
Lab Sample ID: 360-24417-8
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 08:25
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 90.4

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	79	7.0		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-465-16/18-XXX
Lab Sample ID: 360-24417-8
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 08:25
Reporting Basis: WET
Date Received: 09/02/2009 17:10

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	ND	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-465-16/18-XXX
Lab Sample ID: 360-24417-8
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 08:25
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 90.4

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	44		mg/Kg			1	300.0
16887-00-6	Chloride	ND	22		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-465-8.0/10-DUP
Lab Sample ID: 360-24417-9
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 07:45
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 88.9

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	78	6.8		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-465-8.0/10-DUP
Lab Sample ID: 360-24417-9
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 07:45
Reporting Basis: WET
Date Received: 09/02/2009 17:10

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	ND	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-465-8.0/10-DUP
Lab Sample ID: 360-24417-9
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 07:45
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 88.9

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	45		mg/Kg			1	300.0
16887-00-6	Chloride	ND	22		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-465-8.0/10-XXX
Lab Sample ID: 360-24417-10
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 07:45
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 88.5

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	75	7.2		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-465-8.0/10-XXX
Lab Sample ID: 360-24417-10
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 07:45
Reporting Basis: WET
Date Received: 09/02/2009 17:10

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	ND	1000		mg/Kg			1	Lloyd Kahn

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-465-8.0/10-XXX
Lab Sample ID: 360-24417-10
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 07:45
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 88.5

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	45		mg/Kg			1	300.0
16887-00-6	Chloride	ND	23		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-468-0.0/1.0-XXX
Lab Sample ID: 360-24417-11
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 10:05
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 86.7

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	55	6.8		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-468-0.0/1.0-XXX
Lab Sample ID: 360-24417-11
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 10:05
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 86.7

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	79	45		mg/Kg			1	300.0
16887-00-6	Chloride	ND	23		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-468-31/33-XXX
Lab Sample ID: 360-24417-12
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 11:00
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 92.6

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	88	5.7		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-468-31/33-XXX
Lab Sample ID: 360-24417-12
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 11:00
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 92.6

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	390	43		mg/Kg			1	300.0
16887-00-6	Chloride	ND	21		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-468-8.0/10-XXX
Lab Sample ID: 360-24417-13
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 10:10
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 87.2

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	92	7.8		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-468-8.0/10-XXX
Lab Sample ID: 360-24417-13
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 10:10
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 87.2

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	46		mg/Kg			1	300.0
16887-00-6	Chloride	ND	23		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-471-0.0/1.0-XXX
Lab Sample ID: 360-24417-14
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 13:15
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 91.7

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	ND	6.8		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-471-0.0/1.0-XXX
Lab Sample ID: 360-24417-14
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 13:15
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 91.7

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	44		mg/Kg			1	300.0
16887-00-6	Chloride	ND	22		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-471-3.0/5.0-XXX
Lab Sample ID: 360-24417-15
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 13:30
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 81.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	ND	6.4		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-471-3.0/5.0-XXX
Lab Sample ID: 360-24417-15
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 13:30
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 81.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	ND	48		mg/Kg			1	300.0
16887-00-6	Chloride	ND	24		mg/Kg			1	300.0

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OC-SB-471-26/28-XXX
Lab Sample ID: 360-24417-16
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 14:30
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 92.0

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7664-41-7	Ammonia	100	6.0		mg/Kg			1	L107-06-1B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: OC-SB-471-26/28-XXX
Lab Sample ID: 360-24417-16
Lab Name: TestAmerica Westfield
Job No.: 360-24417-1
SDG ID.: OCRI-10
Matrix: Solid
Date Sampled: 09/02/2009 14:30
Reporting Basis: DRY
Date Received: 09/02/2009 17:10
% Solids: 92.0

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
14808-79-8	Sulfate	63	43		mg/Kg			1	300.0
16887-00-6	Chloride	ND	21		mg/Kg			1	300.0

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Analyst: ALL Batch Start Date: 09/14/2009

Reporting Units: mg/L Analytical Batch No.: 48962

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	15:04	Sulfate	55.1	50.0	110	90-110		W9DICV001_00003
			Chloride	27.6	25.0	110	90-110		W9DICV001_00003
2	ICB	15:19	Sulfate	ND					
			Chloride	ND					
15	CCV	18:36	Sulfate	83.1	80.0	104	90-110		W09HLCS001_00001
			Chloride	42.7	40.0	107	90-110		W09HLCS001_00001
16	CCB	18:51	Sulfate	ND					
			Chloride	ND					
25	CCV	21:22	Sulfate	82.5	80.0	103	90-110		W09HLCS001_00001
			Chloride	43.2	40.0	108	90-110		W09HLCS001_00001
26	CCB	21:37	Sulfate	ND					
			Chloride	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Analyst: ALL Batch Start Date: 09/15/2009

Reporting Units: mg/L Analytical Batch No.: 48967

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	09:14	Ammonia	10.8	10.0	108	90-110		W08GSTK002_00001
2	ICB	09:15	Ammonia	ND					
13	CCV	09:26	Ammonia	8.40	8.00	105	90-110		W08CSTK004_00001
14	CCB	09:27	Ammonia	ND					
25	CCV	09:37	Ammonia	8.52	8.00	107	90-110		W08CSTK004_00001
26	CCB	09:38	Ammonia	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Analyst: ALL Batch Start Date: 09/16/2009

Reporting Units: mg/L Analytical Batch No.: 49040

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	13:28	Ammonia	10.2	10.0	102	90-110		W08GSTK002_00001
2	ICB	13:29	Ammonia	ND					
8	CCV	13:40	Ammonia	8.08	8.00	101	90-110		W08CSTK004_00001
9	CCB	13:41	Ammonia	ND					
20	CCV	13:51	Ammonia	8.11	8.00	101	90-110		W08CSTK004_00001
21	CCB	13:52	Ammonia	ND					

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 48962	Date: 09/14/2009 15:35						
300.0	MB 360-48905/1-A	Sulfate	ND		mg/Kg	4.0	1
300.0	MB 360-48905/1-A	Chloride	ND		mg/Kg	2.0	1
Batch ID: 48967	Date: 09/15/2009 09:16	Prep Batch: 48918	Date: 09/14/2009 11:26				
L107-06-1B	MB 360-48918/1-A	Ammonia	ND		mg/Kg	0.10	1
Batch ID: 49040	Date: 09/16/2009 13:30	Prep Batch: 48986	Date: 09/15/2009 11:30				
L107-06-1B	MB 360-48986/1-A	Ammonia	ND		mg/Kg	0.10	1
Batch ID: 48727	Date: 09/08/2009 10:39						
Lloyd Kahn	MB 360-48727/1	Total Organic Carbon	ND		mg/Kg	1000	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 48962	Date: 09/14/2009 19:06										
300.0	360-24417-10	Sulfate	ND		mg/Kg						
300.0	360-24417-10 MS	Sulfate	234		mg/Kg	225	104	75-125			
300.0	360-24417-10	Chloride	ND		mg/Kg						
300.0	360-24417-10 MS	Chloride	126		mg/Kg	113	112	75-125			
Batch ID: 49040	Date: 09/16/2009 13:44	Prep Batch: 48986	Date: 09/15/2009 11:30								
L107-06 -1B	360-24417-10	Ammonia	75		mg/Kg						
L107-06 -1B	360-24417-10 MS	Ammonia	193		mg/Kg	764	16	75-125			F

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

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 48962	Date: 09/14/2009 19:21										
300.0	360-24417-10 MSD	Sulfate	232		mg/Kg	225	103	75-125	1	20	
300.0	360-24417-10 MSD	Chloride	126		mg/Kg	113	112	75-125	0	20	
Batch ID: 49040	Date: 09/16/2009 13:45	Prep Batch: 48986	Date: 09/15/2009 11:30								
L107-06 -1B	360-24417-10 MSD	Ammonia	205		mg/Kg	650	20	75-125	6	20	F

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

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 48962		Date: 09/14/2009 15:50									
						LCS Source:	W09HLCS001_00001				
300.0	LCS 360-48905/2-A	Sulfate	83.7		mg/Kg	80.0	105	85-115			
300.0	LCS 360-48905/2-A	Chloride	42.6		mg/Kg	40.0	106	85-115			
Batch ID: 48967		Date: 09/15/2009 09:17	Prep Batch: 48918			Date: 09/14/2009 11:26					
						LCS Source:	W08CSTK004_00001				
L107-06 -1B	LCS 360-48918/2-A	Ammonia	9.97		mg/Kg	10.0	100	85-115			
Batch ID: 49040		Date: 09/16/2009 13:31	Prep Batch: 48986			Date: 09/15/2009 11:30					
						LCS Source:	W08CSTK004_00001				
L107-06 -1B	LCS 360-48986/2-A	Ammonia	9.87		mg/Kg	10.0	99	85-115			
Batch ID: 48727		Date: 09/08/2009 11:05									
						LCS Source:	W03JSTK003_00003				
Lloyd Kahn	LCS 360-48727/2	Total Organic Carbon	37200		mg/Kg	33500	111	80-120	6.1	20.0	

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 48727	Date: 09/08/2009 11:37										
						LCSD Source: W03JSTK003_00003					
Lloyd Kahn	LCSD 360-48727/3	Total Organic Carbon	35000		mg/Kg	33500	105	80-120	6.1	20.0	

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Westfield Job Number: 360-24417-1

SDG Number: OCRI-10

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: 300.0 RL Date: 04/01/2005 10:06

Prep Method:

Leach Method: DI Leach

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Chloride		20	
Sulfate		40	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-24417-1

SDG Number: OCRI-10

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: Lloyd Kahn RL Date: 07/14/2009 16:24

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Total Organic Carbon		1000	

FORM IX - IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-24417-1

SDG Number: OCRI-10

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: Moisture RL Date: 04/01/2005 17:54

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-24417-1

SDG Number: OCRI-10

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: L107-06-1B RL Date: 08/01/2005 13:28

Prep Method: Distill/Ammonia

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Ammonia		5	

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Preparation Method: Distill/Ammonia

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 360-48918/1-A	09/14/2009 11:26	48918		1.0	50
LCS 360-48918/2-A	09/14/2009 11:26	48918		1.0	50
360-24417-1	09/14/2009 11:26	48918	0.81		50
360-24417-2	09/14/2009 11:26	48918	0.71		50
360-24417-3	09/14/2009 11:26	48918	0.72		50
360-24417-4	09/14/2009 11:26	48918	0.76		50
360-24417-5	09/14/2009 11:26	48918	0.84		50

FORM XII-IN

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Preparation Method: Distill/Ammonia

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 360-48986/1-A	09/15/2009 11:30	48986		1.0	50
LCS 360-48986/2-A	09/15/2009 11:30	48986		1.0	50
360-24417-6	09/15/2009 11:30	48986	0.80		50
360-24417-7	09/15/2009 11:30	48986	0.79		50
360-24417-8	09/15/2009 11:30	48986	0.79		50
360-24417-9	09/15/2009 11:30	48986	0.83		50
360-24417-10	09/15/2009 11:30	48986	0.78		50
360-24417-10 MS	09/15/2009 11:30	48986	0.74		50
360-24417-10 MSD	09/15/2009 11:30	48986	0.87		50
360-24417-11	09/15/2009 11:30	48986	0.85		50
360-24417-12	09/15/2009 11:30	48986	0.94		50
360-24417-13	09/15/2009 11:30	48986	0.74		50
360-24417-14	09/15/2009 11:30	48986	0.80		50
360-24417-15	09/15/2009 11:30	48986	0.97		50
360-24417-16	09/15/2009 11:30	48986	0.90		50

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: NOEQUIP Method: 300.0

Start Date: 09/14/2009 15:04 End Date: 09/14/2009 21:37

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-	SO4																		
ICV 360-48962/1	1		15:04	X	X																		
ICB 360-48962/2	1		15:19	X	X																		
MB 360-48905/1-A	1	S	15:35	X	X																		
LCS 360-48905/2-A	1	S	15:50	X	X																		
360-24417-1	1	S	16:05	X	X																		
360-24417-2	1	S	16:20	X	X																		
360-24417-3	1	S	16:35	X	X																		
360-24417-4	1	S	16:50	X	X																		
360-24417-5	1	S	17:05	X	X																		
360-24417-6	1	S	17:20	X	X																		
360-24417-7	1	S	17:35	X	X																		
360-24417-8	1	S	17:51	X	X																		
360-24417-9	1	S	18:06	X	X																		
360-24417-10	1	S	18:21	X	X																		
CCV 360-48962/15	1		18:36	X	X																		
CCB 360-48962/16	1		18:51	X	X																		
360-24417-10 MS	1	S	19:06	X	X																		
360-24417-10 MSD	1	S	19:21	X	X																		
360-24417-11	1	S	19:36	X	X																		
360-24417-12	1	S	19:51	X	X																		
360-24417-13	1	S	20:06	X	X																		
360-24417-14	1	S	20:22	X	X																		
360-24417-15	1	S	20:37	X	X																		
360-24417-16	1	S	20:52	X	X																		
CCV 360-48962/25	1		21:22	X	X																		
CCB 360-48962/26	1		21:37	X	X																		

Prep Types
S = Soluble

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: NOEQUIP Method: Lloyd Kahn

Start Date: 09/08/2009 10:39 End Date: 09/08/2009 16:01

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
MB 360-48727/1	1	T	10:39	X																			
LCS 360-48727/2	1	T	11:05	X																			
LCSD 360-48727/3	1	T	11:37	X																			
360-24417-7	1	T	12:50	X																			
360-24417-8	1	T	13:17	X																			
360-24417-9	1	T	13:48	X																			
360-24417-10	1	T	14:17	X																			
ZZZZZZ			14:45																				
ZZZZZZ			15:10																				
ZZZZZZ			15:35																				
ZZZZZZ			16:01																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/03/2009 11:45 End Date: 09/03/2009 14:53

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			11:45																				
ZZZZZZ			11:45																				
ZZZZZZ			11:45																				
ZZZZZZ			11:45																				
ZZZZZZ			11:45																				
ZZZZZZ			11:45																				
ZZZZZZ			11:45																				
ZZZZZZ			11:45																				
ZZZZZZ			11:45																				
ZZZZZZ			11:45																				
360-24417-1	1	T	14:51	X	X																		
360-24417-2	1	T	14:51	X	X																		
360-24417-3	1	T	14:51	X	X																		
360-24417-4	1	T	14:51	X	X																		
360-24417-5	1	T	14:51	X	X																		
360-24417-6	1	T	14:51	X	X																		
360-24417-7	1	T	14:51	X	X																		
360-24417-8	1	T	14:51	X	X																		
360-24417-9	1	T	14:51	X	X																		
360-24417-10	1	T	14:51	X	X																		
360-24417-10 MS	1	T	14:51	X	X																		
360-24417-10 MSD	1	T	14:51	X	X																		
360-24417-11	1	T	14:51	X	X																		
360-24417-11 DU	1	T	14:51	X	X																		
360-24417-12	1	T	14:51	X	X																		
360-24417-13	1	T	14:51	X	X																		
360-24417-14	1	T	14:51	X	X																		
360-24417-15	1	T	14:51	X	X																		
360-24417-16	1	T	14:53	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: NOEQUIP Method: L107-06-1B

Start Date: 09/15/2009 09:14 End Date: 09/15/2009 09:38

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ICV 360-48967/1	1		09:14	X																			
ICB 360-48967/2	1		09:15	X																			
MB 360-48918/1-A	1	T	09:16	X																			
LCS 360-48918/2-A	1	T	09:17	X																			
CCV 360-48967/13	1		09:26	X																			
CCB 360-48967/14	1		09:27	X																			
360-24417-1	1	T	09:33	X																			
360-24417-2	1	T	09:34	X																			
360-24417-3	1	T	09:35	X																			
360-24417-4	1	T	09:36	X																			
360-24417-5	1	T	09:36	X																			
CCV 360-48967/25	1		09:37	X																			
CCB 360-48967/26	1		09:38	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-24417-1

SDG No.: OCRI-10

Instrument ID: NOEQUIP Method: L107-06-1B

Start Date: 09/16/2009 13:28 End Date: 09/16/2009 13:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ICV 360-49040/1	1		13:28	X																			
ICB 360-49040/2	1		13:29	X																			
MB 360-48986/1-A	1	T	13:30	X																			
LCS 360-48986/2-A	1	T	13:31	X																			
360-24417-6	1	T	13:37	X																			
360-24417-7	1	T	13:38	X																			
360-24417-8	1	T	13:39	X																			
CCV 360-49040/8	1		13:40	X																			
CCB 360-49040/9	1		13:41	X																			
360-24417-9	1	T	13:42	X																			
360-24417-10	1	T	13:43	X																			
360-24417-10 MS	1	T	13:44	X																			
360-24417-10 MSD	1	T	13:45	X																			
360-24417-11	1	T	13:46	X																			
360-24417-12	1	T	13:47	X																			
360-24417-13	1	T	13:48	X																			
360-24417-14	1	T	13:48	X																			
360-24417-15	1	T	13:49	X																			
360-24417-16	1	T	13:50	X																			
CCV 360-49040/20	1		13:51	X																			
CCB 360-49040/21	1		13:52	X																			

Prep Types
T = Total/NA

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method: 300.0- 28D

Date of Analytical Run: 9-14-09

Primary Reviewer's Initials: AM

Date of Primary Review: 9-15-09

Secondary Reviewer's Initials: RWE

Date of Secondary Review: 9-15-09

Batch Numbers	48962	48964	48965		

QC Criteria—**Non-MCP**: ICV/CCV ±10%: LCS/LCSD ±15% : MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

QC Criteria—**MCP/RCP**: (9012 and 7196 only)
9012: ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
7196: ICV/CCV ±20%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

FAILURES OF QC FOR ANYTHING OTHER THAN MS, MSD or DU ARE GROUNDS FOR INVALIDATING THE BATCH.

Criteria for QC	Yes	No	n/a	Notes/Comments
Were the ICV and CCVs within acceptable limits for QC recovery?	✓			
Were the ICB and CCBs all <RL?	✓			
Were all MB and CCB results <RL for the analytes of interest?	✓			
Was there a CCV/CCB combination run after every 10 samples or less?	✓			
Was there an LCS run with every batch of 20 samples or less?	✓			
Was there a DU, LCSD or MSD run with every batch of 20 samples or less?	✓			
Were all LCS/LCSD results within acceptable limits for QC recovery?	✓			
Were all MS/MSD results within acceptable limits for QC recovery?	✓			
Were all DU or MSD RPDs within acceptable limits for QC recovery?	✓			
Were the raw data points for investigative samples within the working curve range, or if not were the samples diluted to bring them within this range?	✓			
IF there were any MCP/RCP samples in this batch, did they meet all MCP/RCP requirements?		✓		
Were there any holding time violations in this batch?		✓		**NOTE!** The PM and QA Manager must be notified by email *immediately* of any holding time violations!!
Were any NCMs generated for any samples in the batch? (If so, list NCM numbers, and first-reviewer must check off any "No" answers above as applicable.)		✓		
Were any jobs in this batch Level 4?	✓			24417
For Level 4 jobs, was all paperwork associated with this batch scanned and attached to the batch in TALS?	✓			B48962

Original Run Filename: OM_9-14-2009_03-03-27PM.OMN created 9/14/2009 3:03:27 PM
Original Run Author's Signature: [lalashiusa]
Current Run Filename: OM_9-14-2009_03-03-27PM.OMN last modified 9/15/2009 12:23:49 AM
Current Run Author's Signature: [lalashiusa]
Description: Triggered autodilution test

Sample	Cup No.	Channel 1							Detection Time
		Bromide (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-N (mg/L)	Nitrite-N (mg/L)	Phosphate-P (mg/L)	Sulfate (mg/L)	
ICV	1	3.0461	27.5961	2.7239	2.6462	2.4002	2.2556	55.1441	9/14/2009@3:04:48 PM
Known Conc:		2.5000	25.0000	2.5000	2.5000	2.5000	2.5000	50.0000	
Calibration:		Table/Fig. 4	Table/Fig. 2	Table/Fig. 1	Table/Fig. 5	Table/Fig. 3	Table/Fig. 6	Table/Fig. 7	
ICB	S9	-0.0169	-0.2248	0.0059	-0.0051	0.0027	-0.0049	0.0889	9/14/2009@3:19:55 PM
Known Conc:		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
MB	S9	0.0102	-0.2272	0.0059	-0.0132	0.0025	-0.0048	0.0885	9/14/2009@3:35:01 PM
Known Conc:		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
LCS	S10	4.7732	42.5587	4.1878	4.2039	3.7530	3.8277	83.6828	9/14/2009@3:50:07 PM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	100.0000	80.0000	
360-24417-A-1-D	2	0.0078	0.0558	0.0094	0.0261	0.0026	0.0381	5.1729	9/14/2009@4:05:14 PM
360-24417-A-2-B	3	0.0102	0.3117	0.0281	-0.0012	0.0022	0.0597	0.4178	9/14/2009@4:20:21 PM
360-24417-A-3-D	4	0.0100	0.1649	0.0229	-0.0020	0.0026	0.0071	5.8059	9/14/2009@4:35:28 PM
360-24417-E-4-A	5	0.0095	0.2424	0.0761	0.0022	0.0026	0.0294	0.8495	9/14/2009@4:50:36 PM
360-24417-E-5-A	6	0.0095	2.8475	0.0815	-9.8418e-5	0.0021	-0.0485	0.8785	9/14/2009@5:05:43 PM
360-24417-A-6-E	7	0.0126	1.0698	0.0685	2.3764e-4	0.0026	0.0694	1.0317	9/14/2009@5:20:50 PM
360-24417-A-7-C	8	0.0077	0.0573	0.0173	0.0040	0.0026	-0.0531	0.6066	9/14/2009@5:35:56 PM
360-24417-A-8-B	9	0.0096	0.1382	0.0170	-0.0020	0.0026	-0.0510	0.3365	9/14/2009@5:51:03 PM
360-24417-E-9-B	10	8.4765e-4	0.1861	0.0113	0.0016	6.8154e-4	-0.0774	0.2187	9/14/2009@6:06:09 PM
360-24417-A-10-E	11	0.0116	0.0812	0.0138	0.0016	0.0027	0.0100	0.2322	9/14/2009@6:21:16 PM
CCV	S10	4.6235	42.6836	4.2487	4.2122	4.0055	2.9918	83.0658	9/14/2009@6:36:22 PM
Known Conc:		100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	
CCB	S9	0.0095	-0.2255	0.0060	-0.0052	0.0026	-0.0555	0.0879	9/14/2009@6:51:28 PM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
360-24417-A-10-F MS	12	1.2274	11.2134	1.1035	1.0646	0.9282	0.1788	20.7899	9/14/2009@7:06:35 PM
360-24417-A-10-G MSD	12	1.2278	11.1823	1.1073	1.0623	0.9471	0.1515	20.6523	9/14/2009@7:21:41 PM
360-24417-E-11-B	13	0.0102	0.3142	0.0765	0.0724	0.0033	-5.3661e-4	7.0136	9/14/2009@7:36:47 PM
360-24417-A-12-B	14	0.0107	0.3192	0.0365	-5.9591e-4	0.0026	-0.0329	36.4050	9/14/2009@7:51:53 PM
360-24417-E-13-A	15	0.0108	0.0945	0.0238	0.0015	0.0027	-0.1148	0.3345	9/14/2009@8:06:59 PM
360-24417-A-14-B	16	0.0150	0.1480	0.1119	0.0032	0.0026	-0.0583	2.9360	9/14/2009@8:22:06 PM
360-24417-A-15-B	17	0.0062	0.1514	0.0102	0.0107	0.0026	-0.0475	1.0779	9/14/2009@8:37:13 PM
360-24417-E-16-A	18	0.0090	0.5006	0.0528	-8.4745e-4	0.0026	-0.0450	5.8652	9/14/2009@8:52:20 PM
360-24529-C-2@5	19	0.0095	14.4916	0.0099	0.0871	0.0037	-0.0550	23.6057	9/14/2009@9:07:27 PM
CCV	S10	4.7111	43.2285	4.2126	4.2661	4.0079	2.4170	82.5163	9/14/2009@9:22:34 PM
Known Conc:		100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	
CCB	S9	0.0106	-0.2244	0.0059	-0.0051	0.0024	-0.0279	0.0889	9/14/2009@9:37:40 PM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	
MB	S9	0.0111	-0.2254	0.0059	-0.0041	0.0026	-0.0402	0.0889	9/14/2009@9:52:47 PM
Known Conc:		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
LCS	S10	4.6993	42.9723	4.2131	4.2740	3.9841	2.4876	82.4672	9/14/2009@10:07:53 PM
Known Conc:		4.0000	40.0000	4.0000	4.0000	4.0000	100.0000	80.0000	

360-24512-A-1-A@10	20	-0.0923	25.8347	-3.8265	-0.0039	-0.0058	-0.4814	16.4746	9/14/2009@10:23:00 PM
360-24512-A-1-A@20	21	-0.0334	13.7739	-1.7805	-0.0046	7.8293e-5	-0.2058	7.3310	9/14/2009@10:38:07 PM
360-24512-A-2-A@10	22	-0.0584	40.6823	-0.1262	0.0290	0.1044	-11.2388	3.2437	9/14/2009@10:53:14 PM
360-24512-A-2-A@20	23	-0.1258	29.7896	-0.0502	0.0158	-0.2516	0.1755	1.5091	9/14/2009@11:08:21 PM
360-24512-A-3-A@10	24	-0.2894	24.8682	-0.1987	0.0232	0.0026	0.4843	6.7984	9/14/2009@11:23:27 PM
360-24512-A-3-A@20	25	-0.0867	37.4885	-0.0852	0.0111	-0.5213	1.7150	3.0178	9/14/2009@11:38:34 PM
CCV	S10	4.7647	42.9525	4.2349	4.2408	3.9987	3.3791	83.7590	9/14/2009@11:53:40 PM
	Known Conc:	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	
CCB	S9	0.0095	-0.2313	0.0059	-0.0051	0.0026	-0.0059	0.0889	9/15/2009@12:08:46 AM
	Known Conc:	4.0000	40.0000	4.0000	4.0000	4.0000	4.0000	80.0000	

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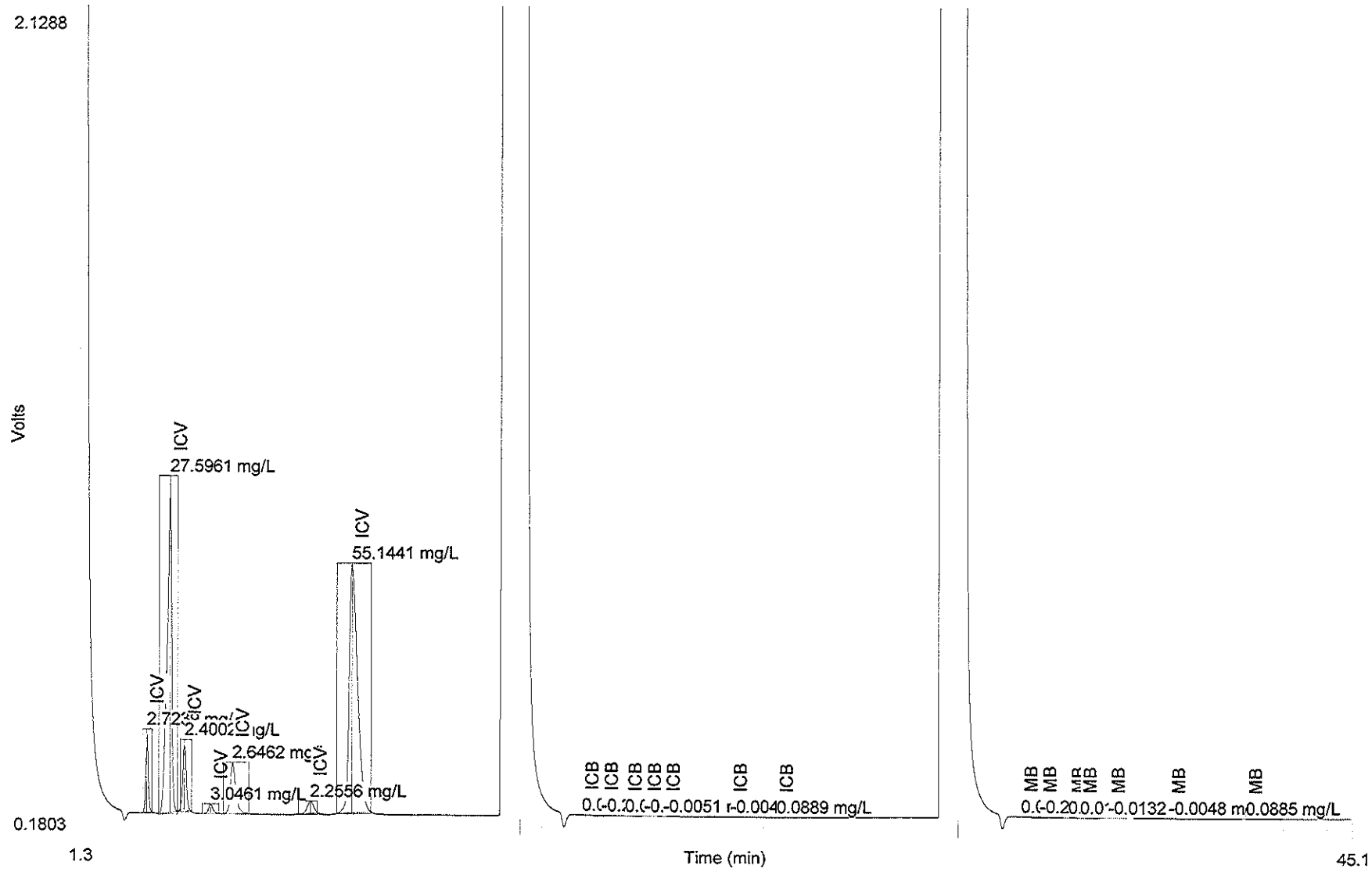

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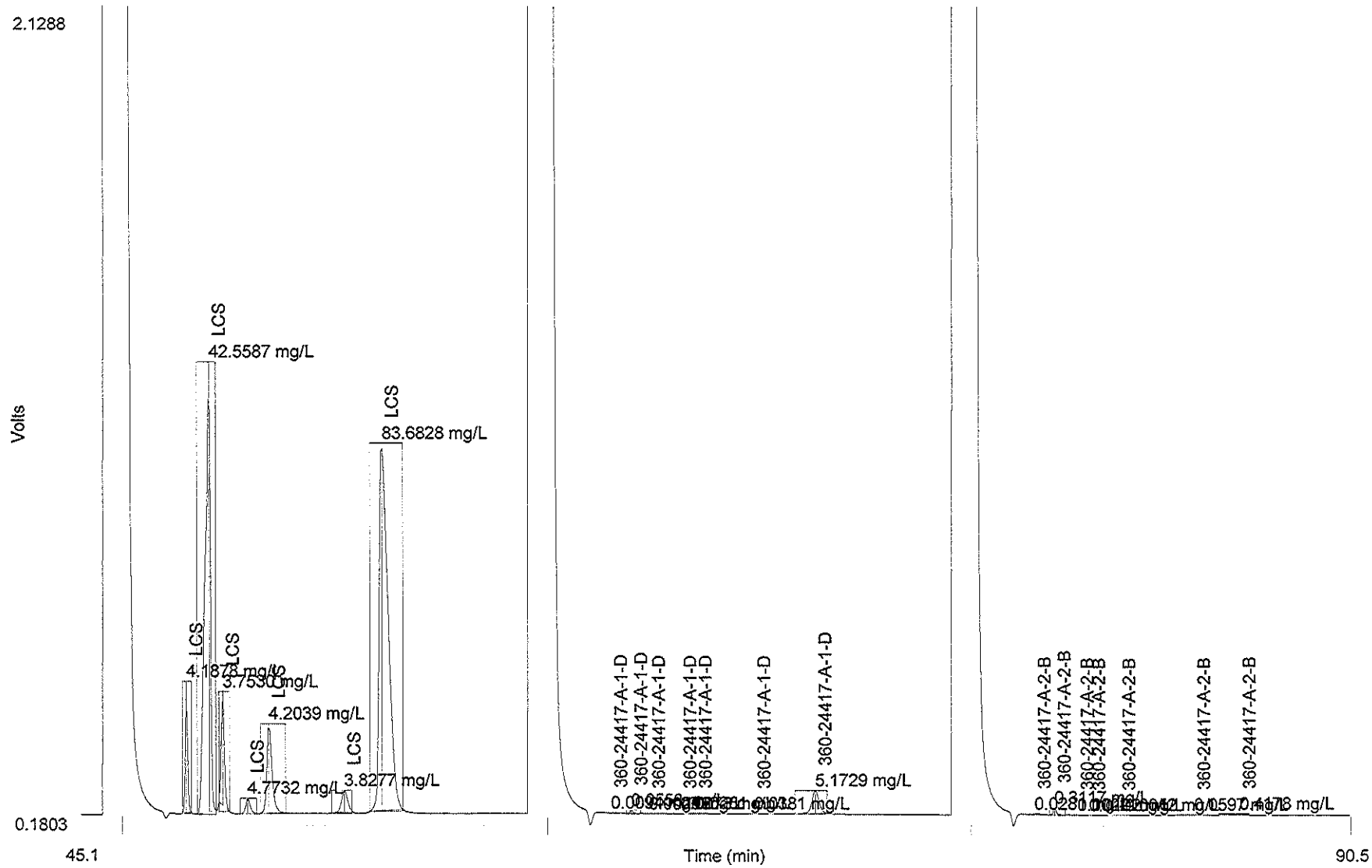

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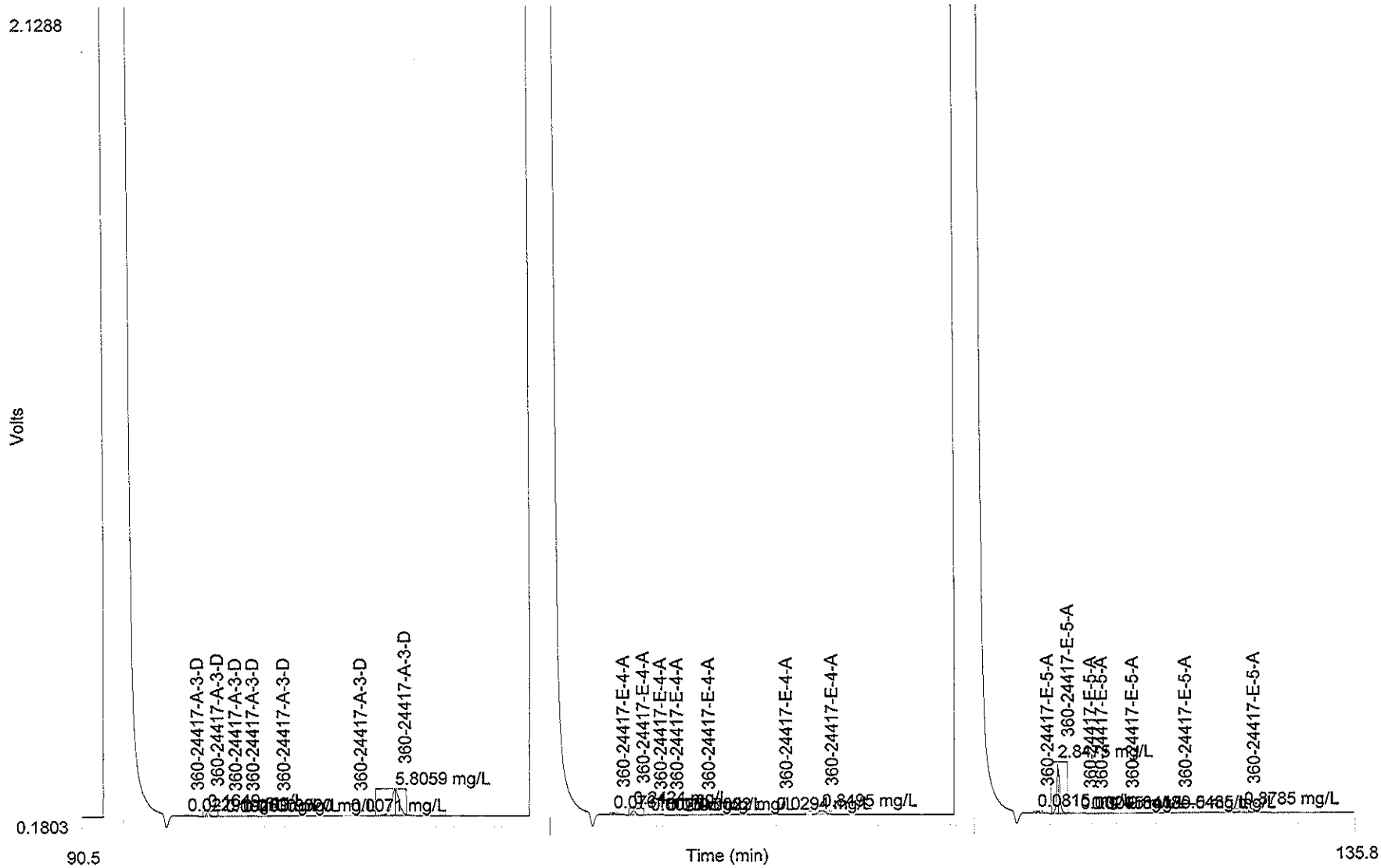

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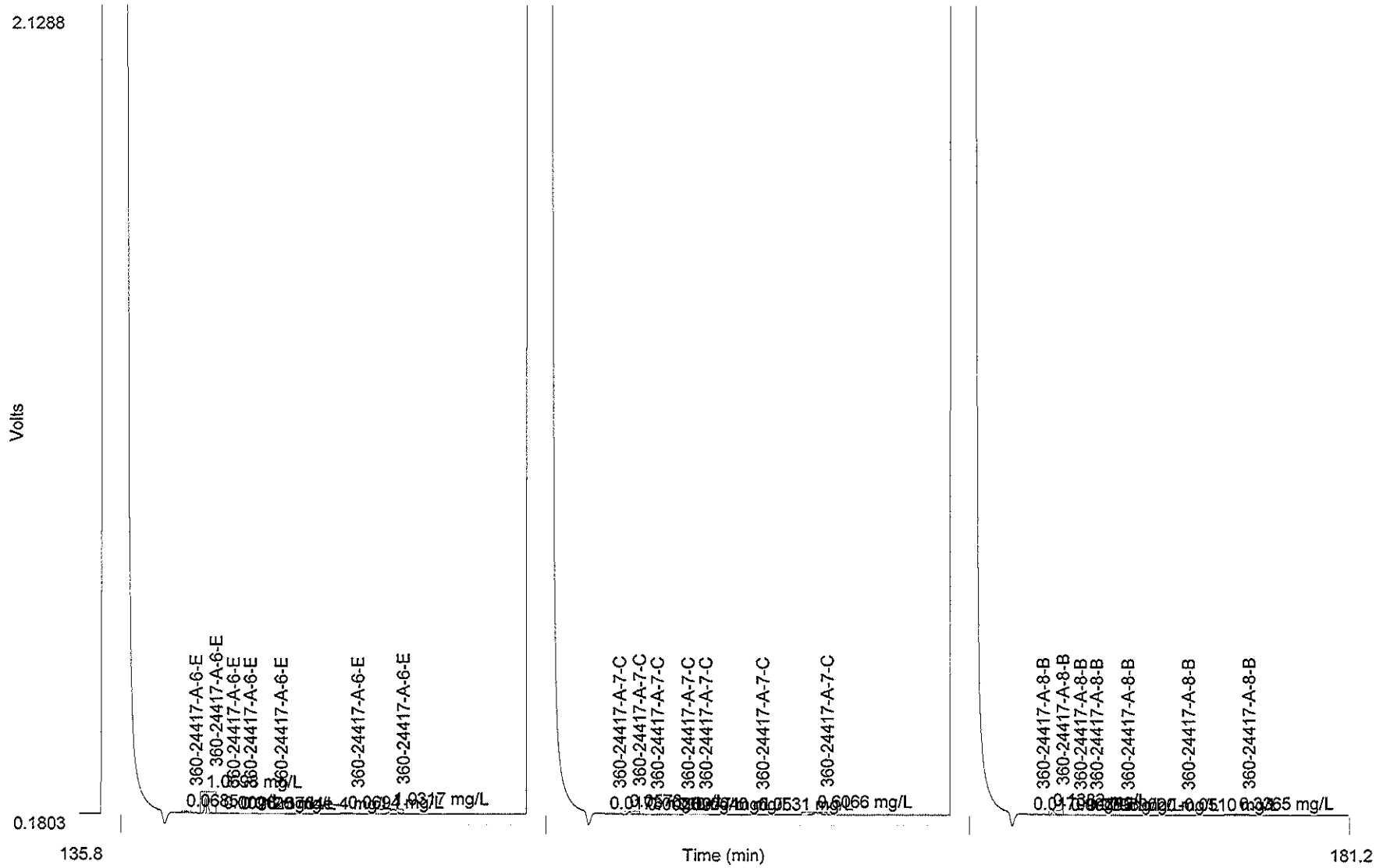

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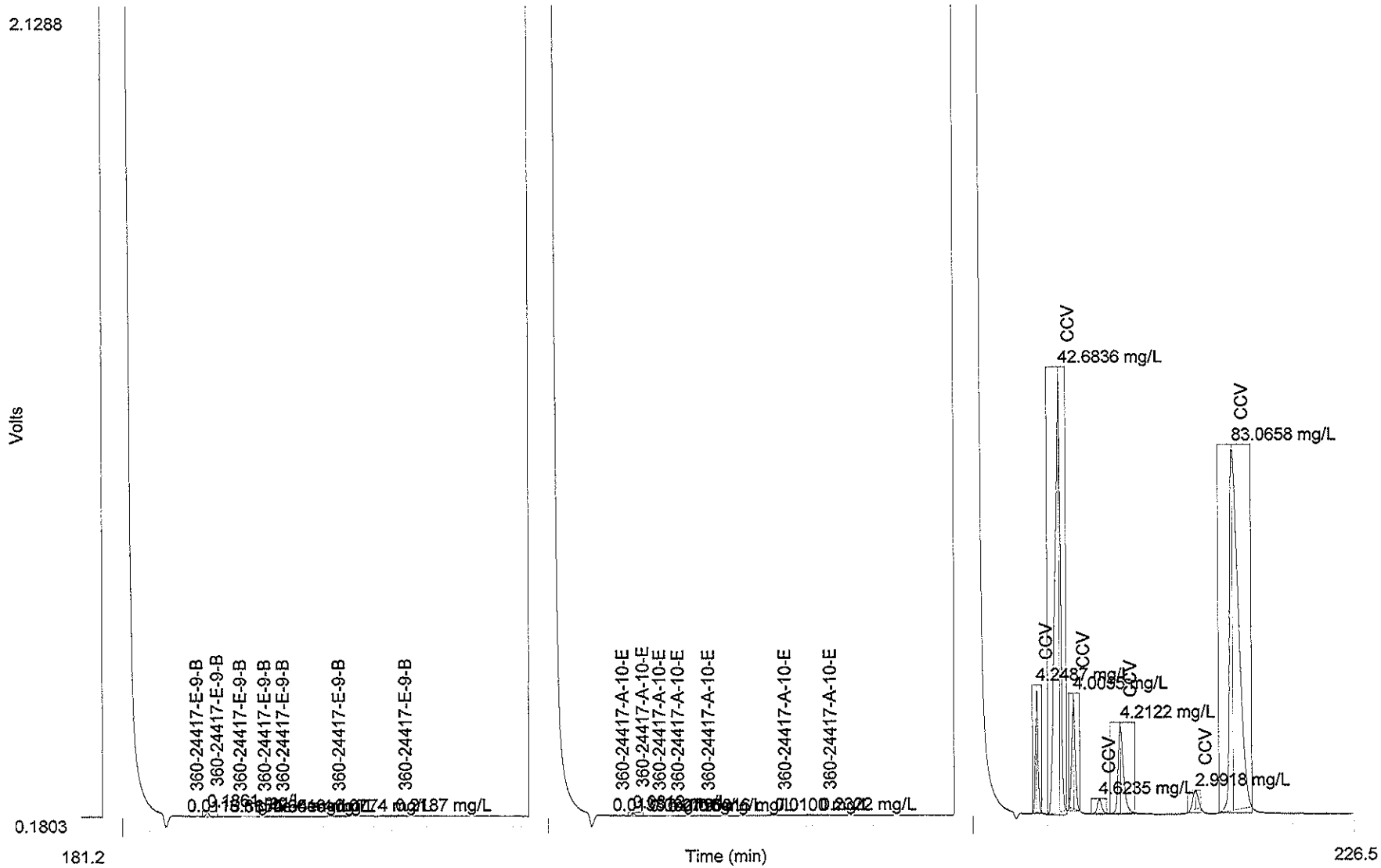

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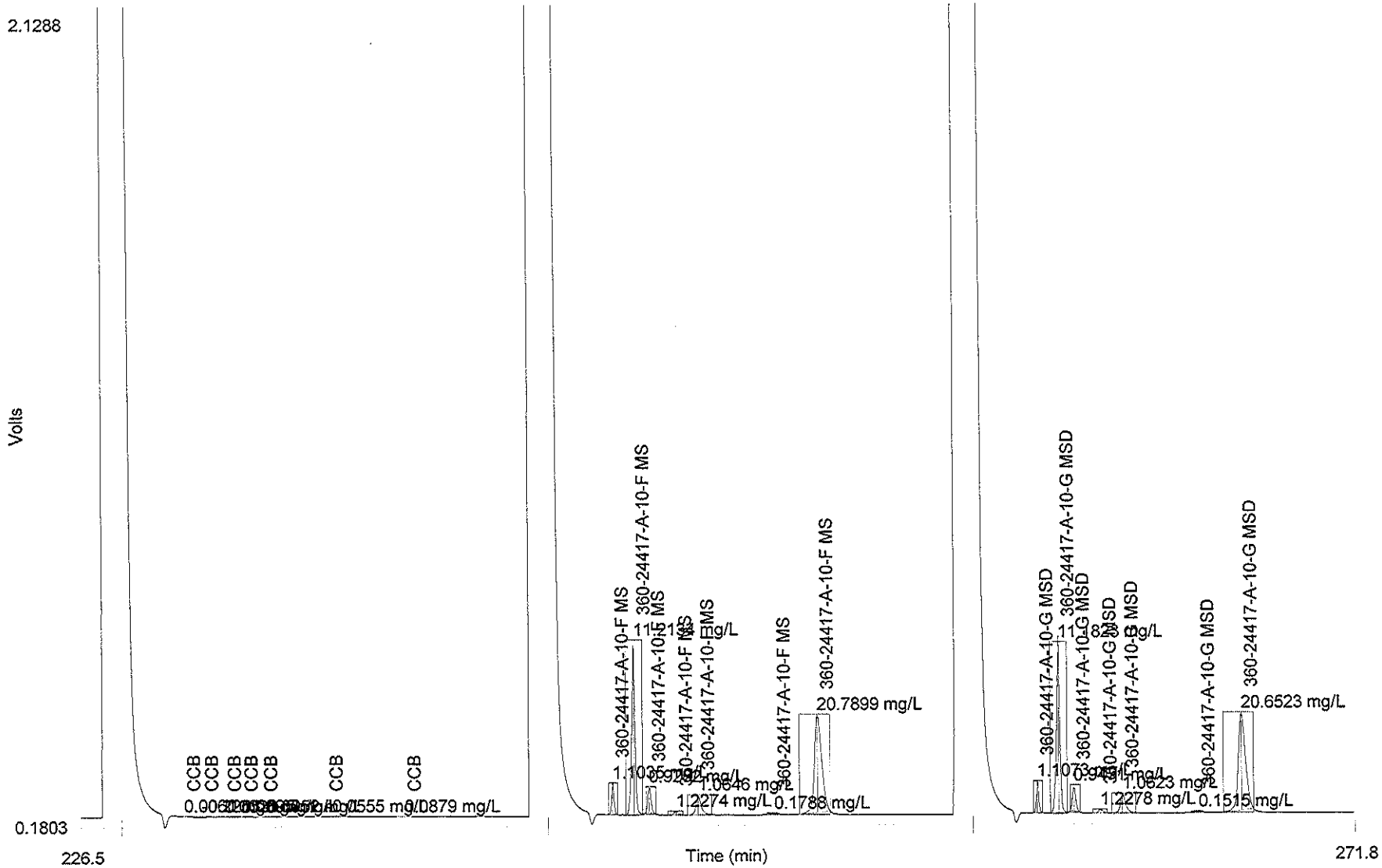

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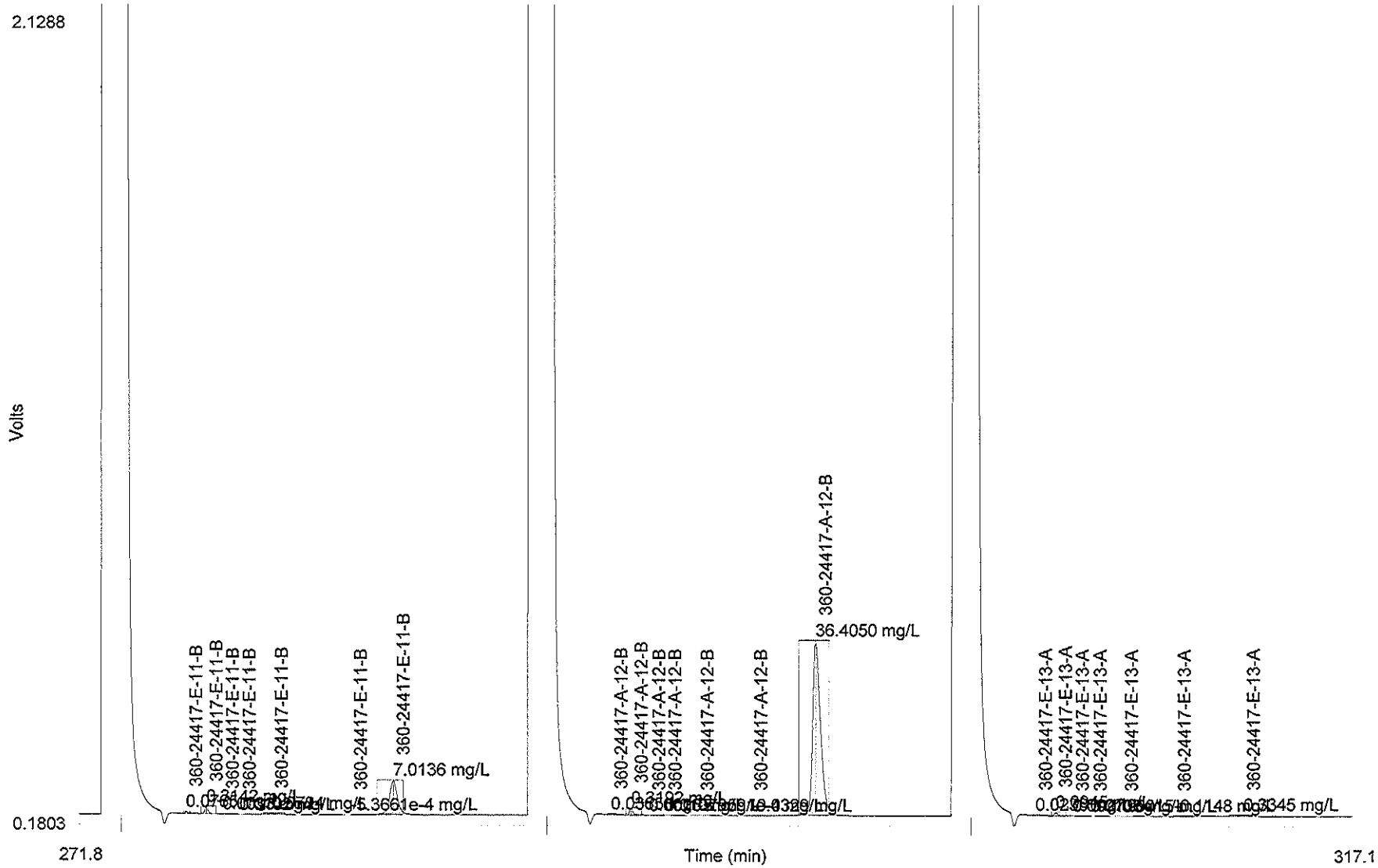

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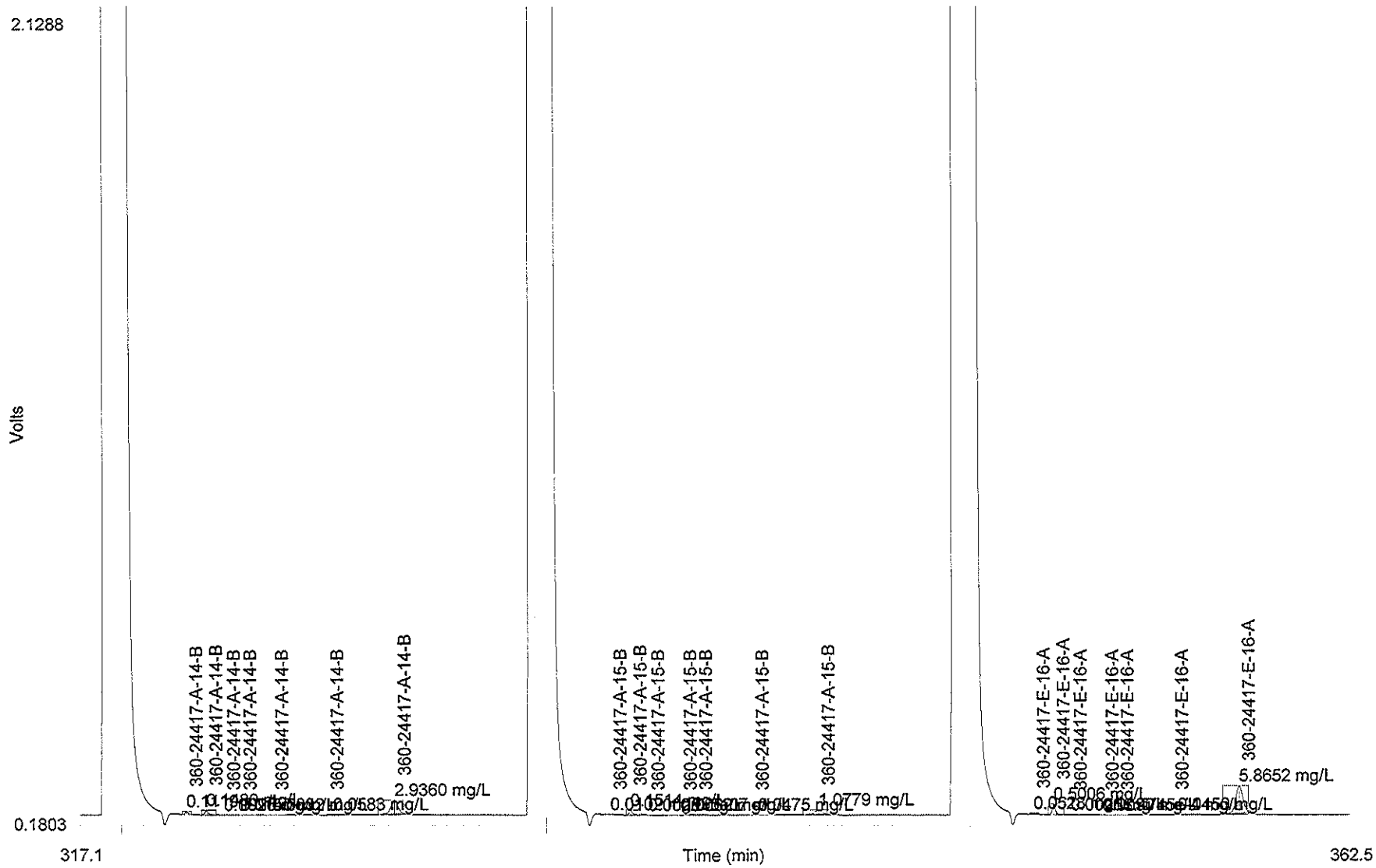

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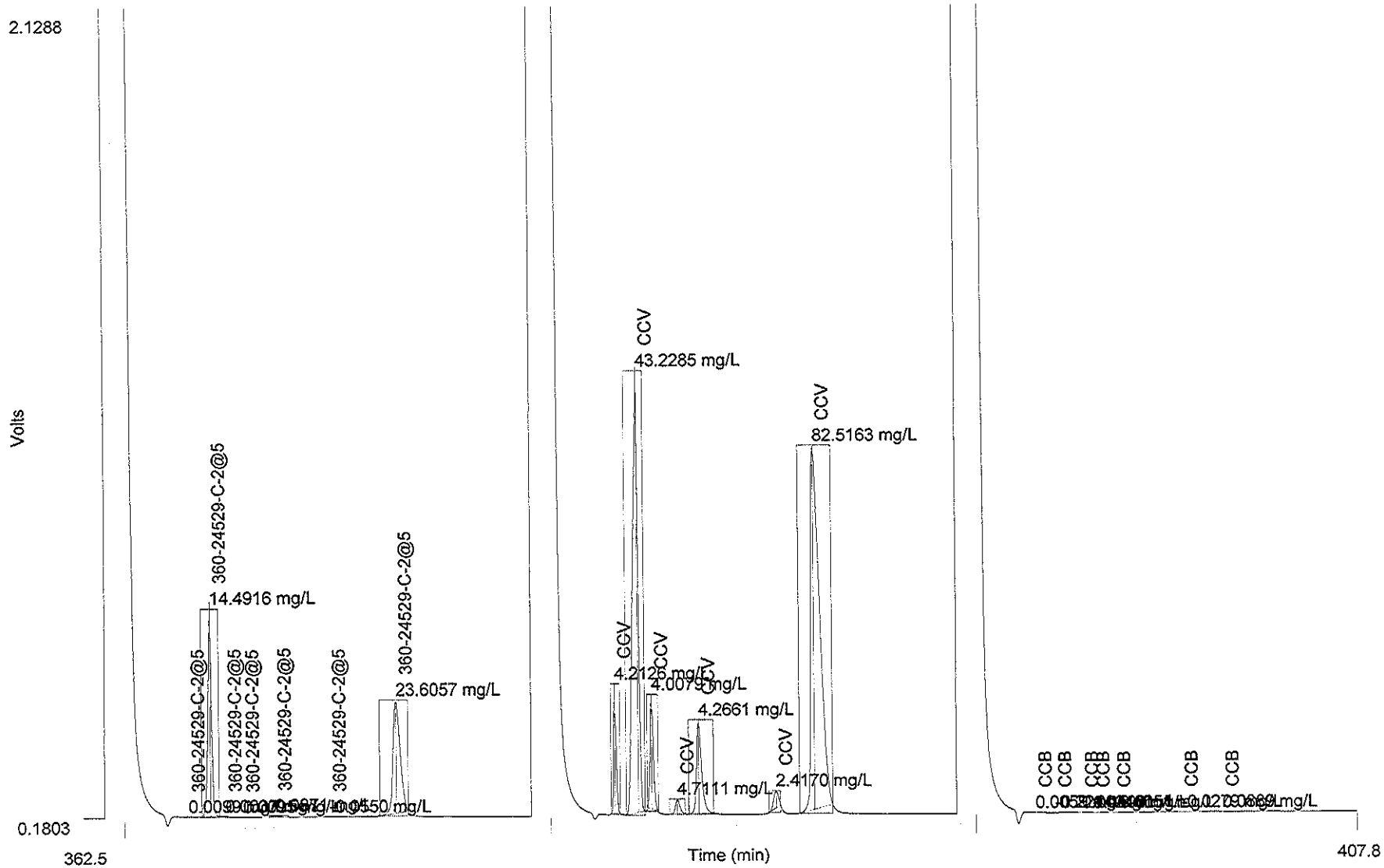

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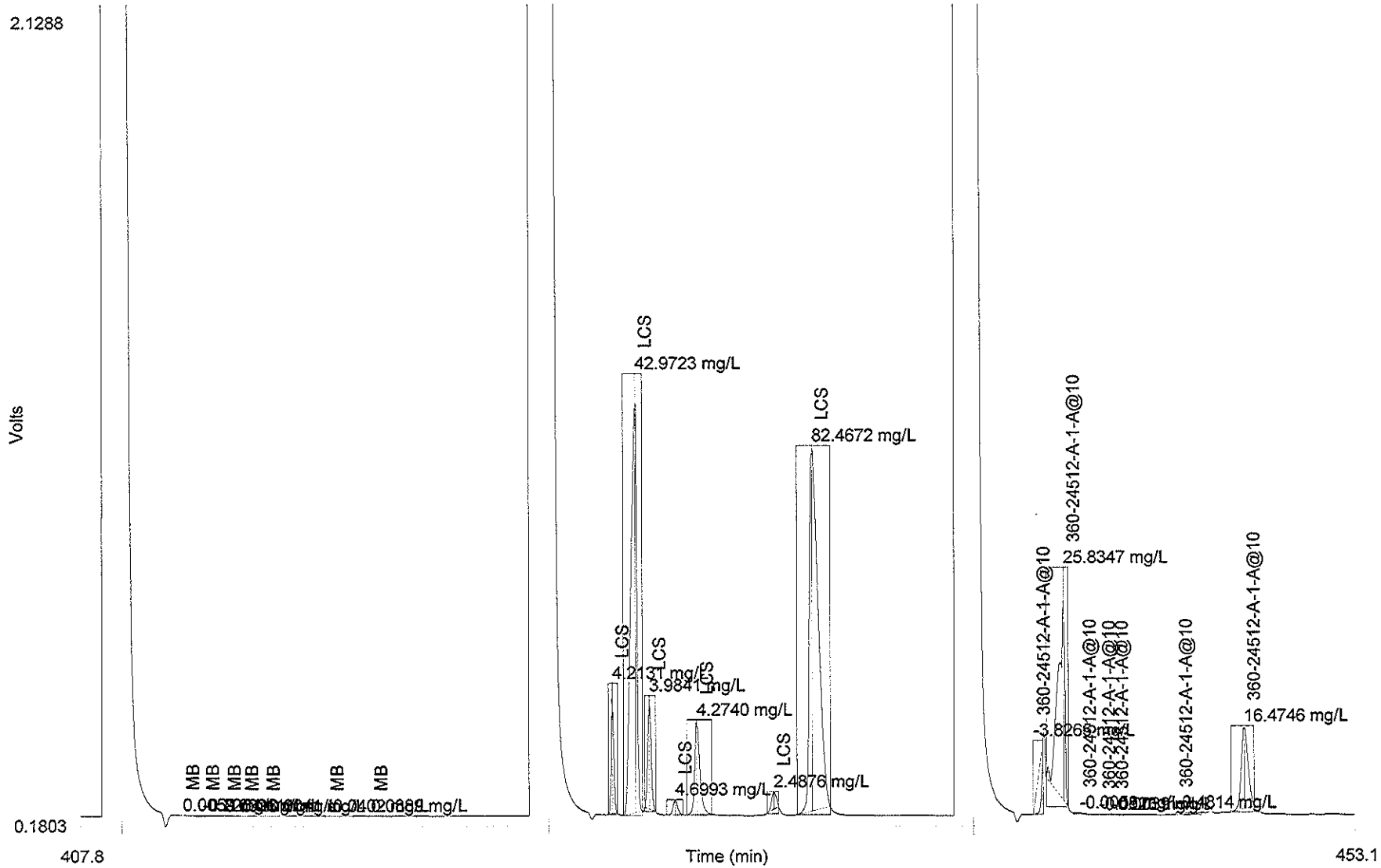

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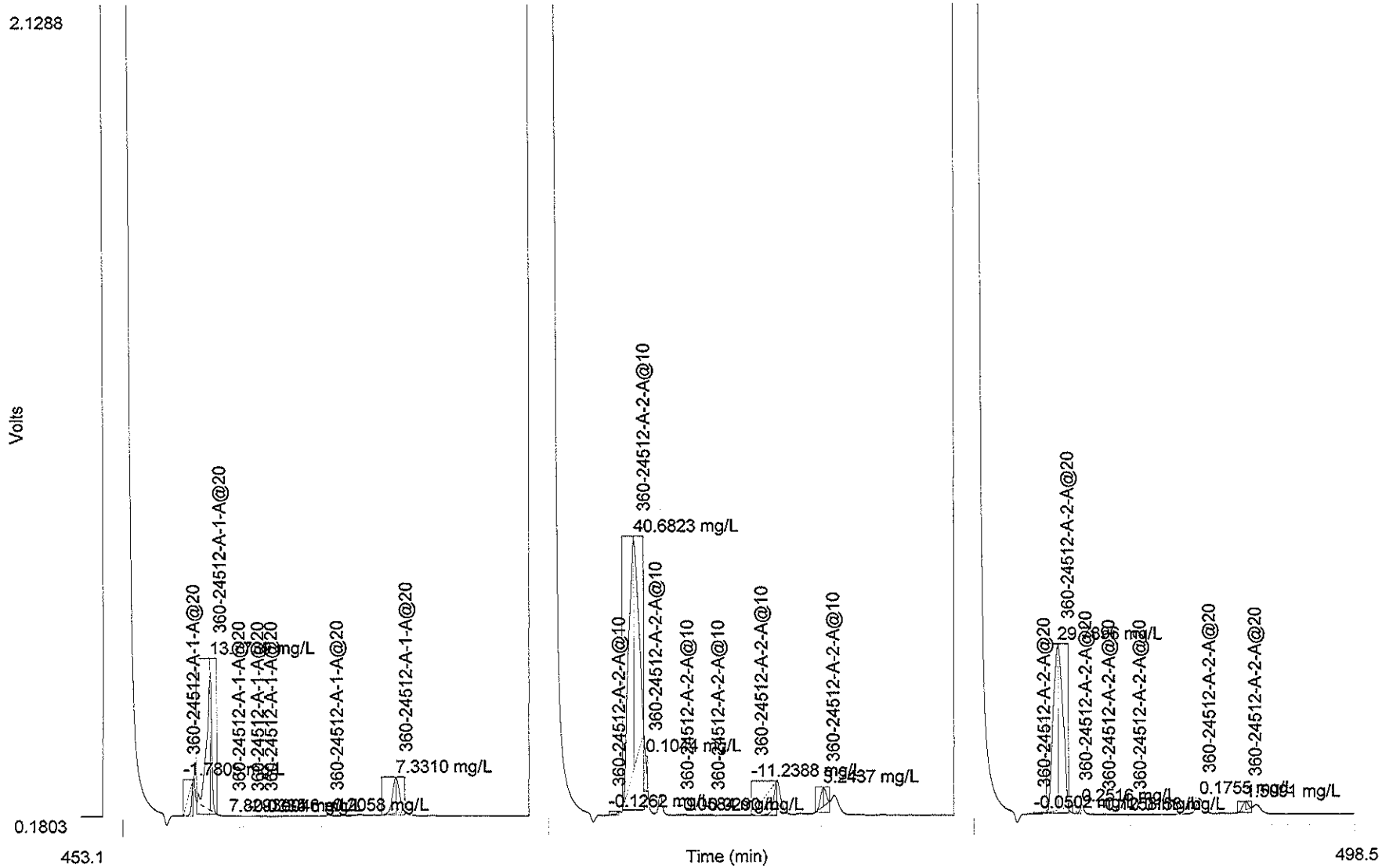
2.1288
Volts
0.1803
453.1
Time (min)
498.5
360-24512-A-1-A@20
360-24512-A-1-A@20
-1.7800
7.3310 mg/L
360-24512-A-1-A@20
360-24512-A-1-A@20
360-24512-A-2-A@10
40.6823 mg/L
360-24512-A-2-A@10
360-24512-A-2-A@10
360-24512-A-2-A@10
360-24512-A-2-A@10
-11.2388 mg/L
360-24512-A-2-A@10
360-24512-A-2-A@20
360-24512-A-2-A@20
360-24512-A-2-A@20

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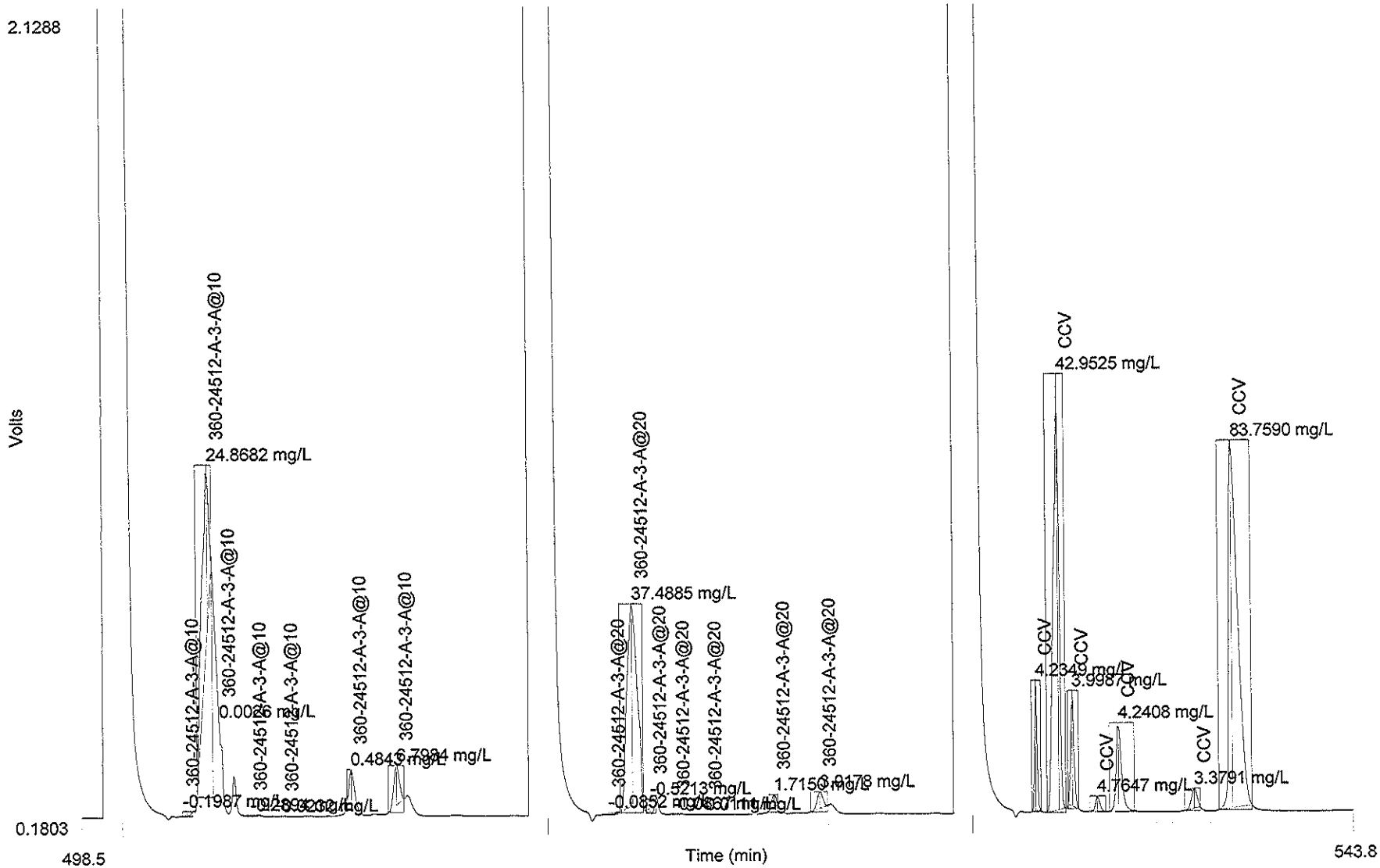


Channel 1 (Anions) : Set 13 of 13

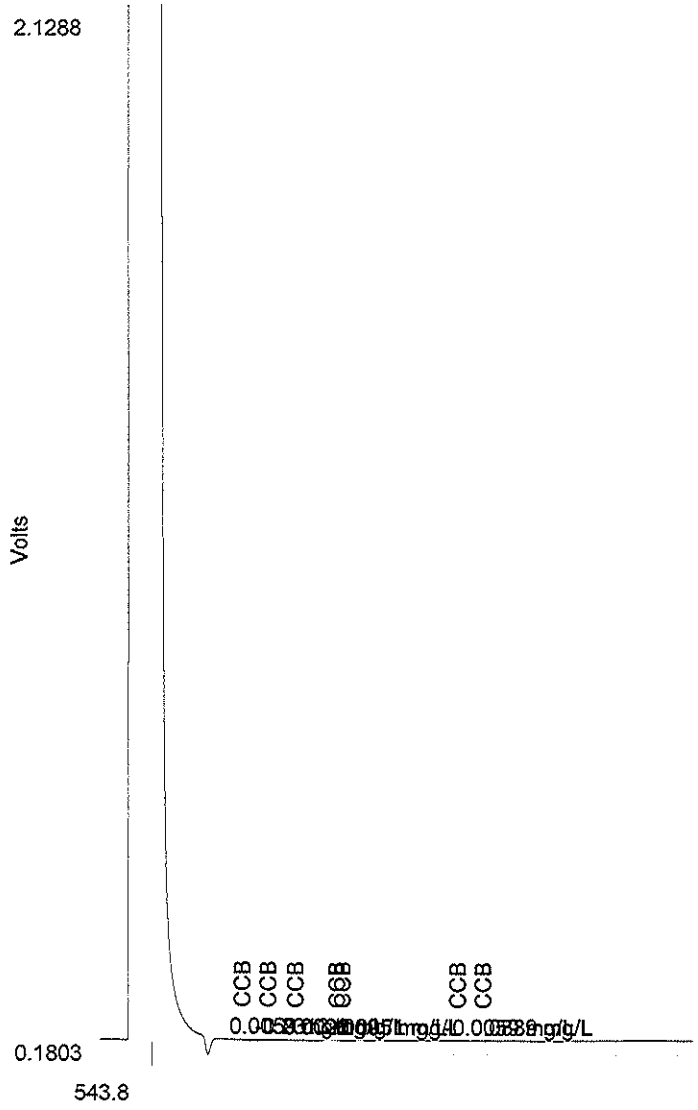
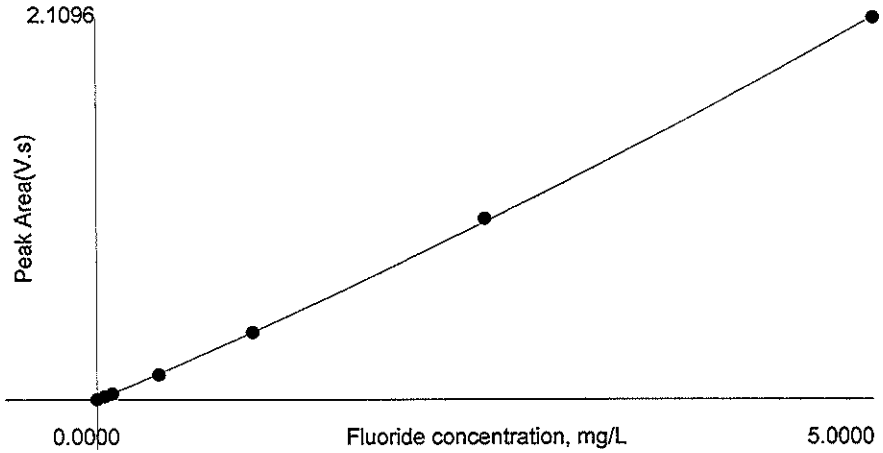


Table 1: Fluoride

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	2.1096	0.3843	0.4	9/9/2009	8:14:10 AM
2	2.5000	1	0.9969	0.1892	-1.9	9/9/2009	8:14:10 AM
3	1.0000	1	0.3690	0.0710	0.5	9/9/2009	8:14:10 AM
4	0.4000	1	0.1376	0.0271	4.5	9/9/2009	8:14:10 AM
5	0.1000	1	0.0323	0.0064	5.7	9/9/2009	8:14:11 AM
6	0.0500	1	0.0159	0.0031	1.8	9/9/2009	8:14:11 AM
7	0.0000	1	0.0000	2.5764e-5		9/9/2009	8:14:11 AM

Figure 1: Fluoride



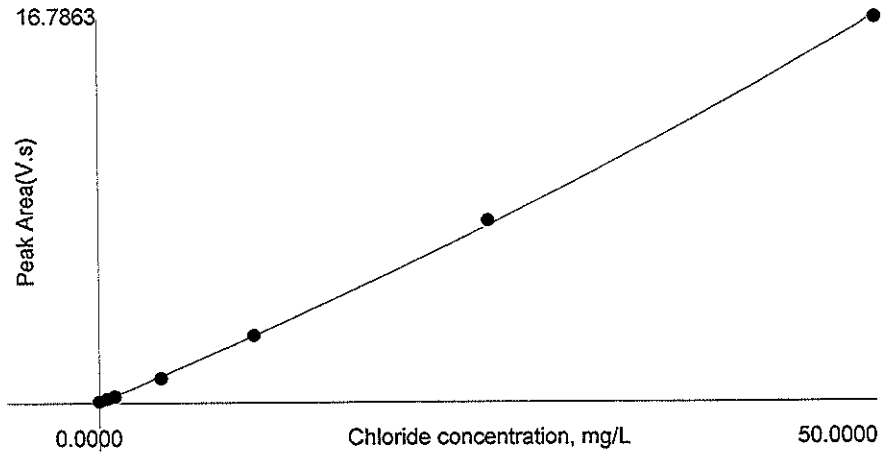
Area = 0.0129 * Conc^2 + 0.3597 * Conc - 0.0019
Conc = - 0.1798 * Area^2 + 2.7363 * Area + 0.0059
Correlation Coefficient (r) = 0.99999

1/x weighting

Table 2: Chloride

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	50.0000	1	16.7863	1.2194	0.6	9/9/2009	8:14:10 AM
2	25.0000	1	7.9613	0.7633	-2.9	9/9/2009	8:14:10 AM
3	10.0000	1	2.9558	0.3660	-0.3	9/9/2009	8:14:10 AM
4	4.0000	1	1.0853	0.1478	7.9	9/9/2009	8:14:10 AM
5	1.0000	1	0.2954	0.0404	9.5	9/9/2009	8:14:11 AM
6	0.5000	1	0.1812	0.0242	2.9	9/9/2009	8:14:11 AM
7	0.0000	1	0.0761	0.0097		9/9/2009	8:14:11 AM

Figure 2: Chloride



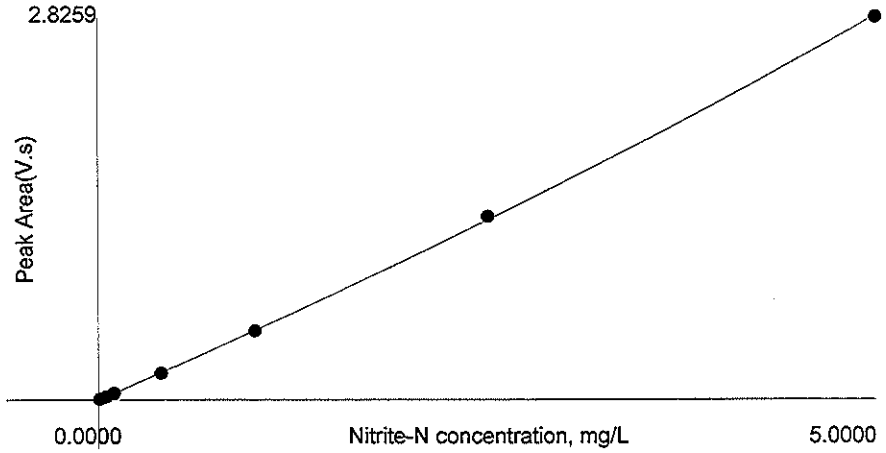
Area = 0.0012 * Conc^2 + 0.2781 * Conc + 0.0473
Conc = - 0.0326 * Area^2 + 3.5165 * Area - 0.1538
Correlation Coefficient (r) = 0.99996

1/x weighting

Table 3: Nitrite-N

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	2.8259	0.3570	0.4	9/9/2009	8:14:10 AM
2	2.5000	1	1.3557	0.1772	-2.0	9/9/2009	8:14:10 AM
3	1.0000	1	0.5052	0.0661	0.9	9/9/2009	8:14:10 AM
4	0.4000	1	0.1927	0.0249	3.6	9/9/2009	8:14:10 AM
5	0.1000	1	0.0467	0.0060	4.0	9/9/2009	8:14:11 AM
6	0.0500	1	0.0220	0.0029	7.2	9/9/2009	8:14:11 AM
7	0.0100	1	0.0045	5.6912e-4	-17.7	9/9/2009	8:14:11 AM

Figure 3: Nitrite-N



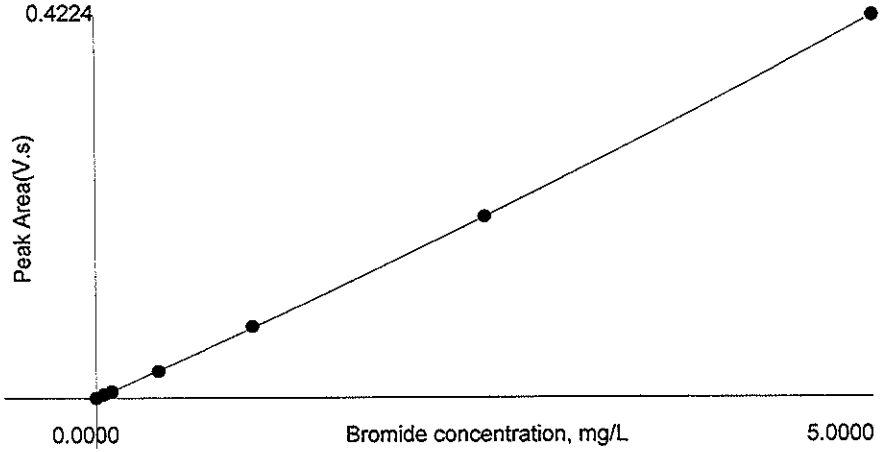
Area = 0.0142 * Conc^2 + 0.4968 * Conc - 0.0012
Conc = - 0.0822 * Area^2 + 1.9930 * Area + 0.0026
Correlation Coefficient (r) = 1.00000

1/x weighting

Table 4: Bromide

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	0.4224	0.0489	0.1	9/9/2009	8:14:10 AM
2	2.5000	1	0.2012	0.0232	-0.1	9/9/2009	8:14:10 AM
3	1.0000	1	0.0791	0.0091	-2.0	9/9/2009	8:14:10 AM
4	0.4000	1	0.0292	0.0034	3.5	9/9/2009	8:14:11 AM
5	0.1000	1	0.0064	8.0918e-4	7.6	9/9/2009	8:14:11 AM
6	0.0500	1	0.0032	4.0294e-4	-3.8	9/9/2009	8:14:11 AM
7	0.0000	1	-5.1303e-4	-2.6882e-5		9/9/2009	8:14:11 AM

Figure 4: Bromide



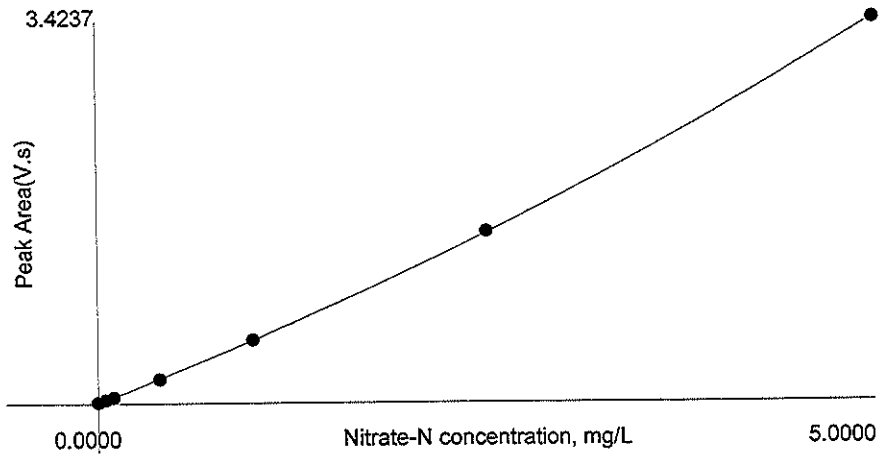
Area = 0.0016 * Conc^2 + 0.0767 * Conc - 7.0846e-4
Conc = - 2.7372 * Area^2 + 12.9588 * Area + 0.0095
Correlation Coefficient (r) = 0.99999

1/x weighting

Table 5: Nitrate-N

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	3.4237	0.2952	0.2	9/9/2009	8:14:10 AM
2	2.5000	1	1.5339	0.1296	-1.1	9/9/2009	8:14:10 AM
3	1.0000	1	0.5644	0.0463	-0.5	9/9/2009	8:14:10 AM
4	0.4000	1	0.2139	0.0172	2.4	9/9/2009	8:14:11 AM
5	0.1000	1	0.0518	0.0041	8.8	9/9/2009	8:14:11 AM
6	0.0500	1	0.0296	0.0022	1.9	9/9/2009	8:14:11 AM
7	0.0000	1	0.0072	4.5441e-4		9/9/2009	8:14:11 AM

Figure 5: Nitrate-N



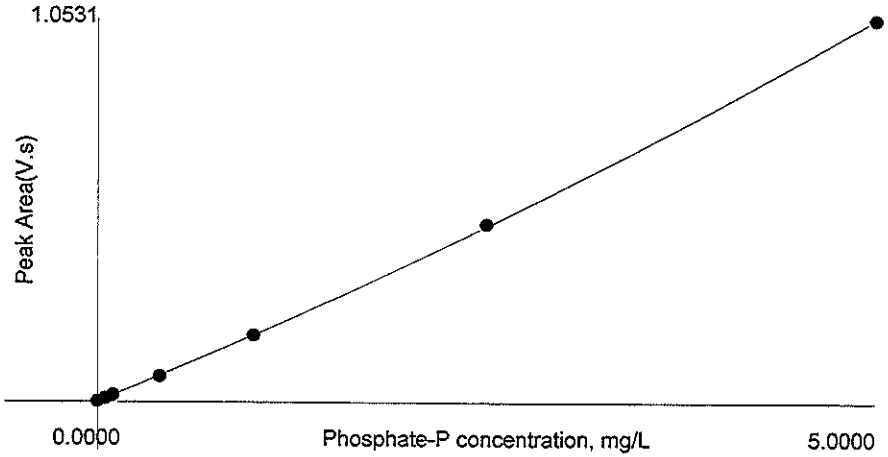
Area = 0.0320 * Conc^2 + 0.5256 * Conc + 0.0039
Conc = - 0.1101 * Area^2 + 1.8336 * Area - 0.0052
Correlation Coefficient (r) = 0.99999

1/x weighting

Table 6: Phosphate-P

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	5.0000	1	1.0531	0.0675	0.3	9/9/2009	8:14:10 AM
2	2.5000	1	0.4926	0.0310	-1.3	9/9/2009	8:14:10 AM
3	1.0000	1	0.1844	0.0116	0.4	9/9/2009	8:14:10 AM
4	0.4000	1	0.0704	0.0045	3.8	9/9/2009	8:14:11 AM
5	0.1000	1	0.0197	0.0013	-3.6	9/9/2009	8:14:11 AM
6	0.0500	1	0.0094	5.7708e-4	6.5	9/9/2009	8:14:11 AM
7	0.0000	1	0.0018	1.1544e-4		9/9/2009	8:14:11 AM

Figure 6: Phosphate-P



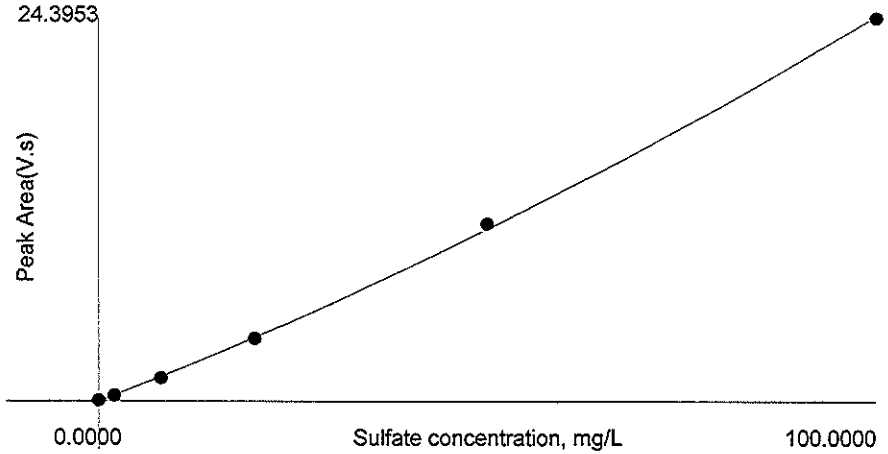
Area = 0.0067 * Conc^2 + 0.1772 * Conc + 0.0012
Conc = - 0.7713 * Area^2 + 5.5508 * Area - 0.0059
Correlation Coefficient (r) = 0.99999

1/x weighting

Table 7: Sulfate

	Conc. (mg/L)	Rep	Peak Area (Volt-s)	Peak Height (Volts)	% Residual	Detection Date	Detection Time
1	100.0000	1	24.3953	1.0318	0.6	9/9/2009	8:14:10 AM
2	50.0000	1	11.2127	0.5547	-3.1	9/9/2009	8:14:10 AM
3	20.0000	1	3.9563	0.2100	1.5	9/9/2009	8:14:10 AM
4	8.0000	1	1.4445	0.0755	6.8	9/9/2009	8:14:11 AM
5	2.0000	1	0.3524	0.0180	6.4	9/9/2009	8:14:11 AM
6	0.0000	1	0.0399	0.0020		9/9/2009	8:14:11 AM

Figure 7: Sulfate



Area = 5.5547e-4 * Conc^2 + 0.1899 * Conc - 0.0057
Conc = - 0.0410 * Area^2 + 5.0685 * Area + 0.0889
Correlation Coefficient (r) = 0.99995

1/x weighting

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QC Source Data Sheet—Inorganics Dept

Method (circle one): IC 300_28D IC 300_48HR IC 9056_28D IC 9056_48HR

Date of Analytical Run: 9-14-09 Analyst's Initials: [illegible]

QC Source Type	Manufacturer & Lot Number or Lab ID Source Code
Working Curve Standard	Prep'd on 06 AUG 2009
LCS/LCSD	W09HLCS001
ICV	STLMA-ICAL-3 Lot #B2-MEB26311 (W09DICV001)
CCV	W09HLCS001
MS/MSD	W09DSTK001

QC Standard True Values for IC (mg/L):

QC Type	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
ICV	2.50	25.0	2.50	2.50	2.50	50.0
ICB	0	0	0	0	0	0
MB	0	0	0	0	0	0
LCS/LCSD	4.00	40.0	4.00	4.00	4.00	80.0
MS/MSD	1.00	10.0	1.00	1.00	1.00	20.0

QC Standard Acceptable Recovery Ranges for IC (mg/L):

QC Type	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
ICV	2.25-2.75	22.5-27.5	2.25-2.75	2.25-2.75	2.25-2.75	45.0-55.0
ICB	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL
MB	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL	Must be <RL
LCS/LCSD	3.40-4.60	34.0-46.0	3.40-4.60	3.40-4.60	3.40-4.60	68.0-92.0
MS/MSD	0.75-1.25	7.50-12.5	0.75-1.25	0.75-1.25	0.75-1.25	15.0-25.0

Current Method RLs (mg/L):

	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Sulfate
	0.10	1.00	0.010	0.10	0.050	2.0

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-48905

Method Code: 360-DI_LEACH-360

Analyst: Lalashius, Andrew L

Batch Open: 9/14/2009 9:30:00AM

Batch End:

Deionized Water Leaching Procedure

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~360-48905/1 N/A	N/A				N/A	N/A	N/A		MB 360-48905/1-A
2	LCS~360-48905/2 N/A	N/A				N/A	N/A	N/A		LCS 360-48905/2-A
3	360-24417-A-1 (300.0_28D)	OCRI-10	Solid	9.99 g	100 mL	9/16/09	9_Days - R	4		360-24417-A-1-D
4	360-24417-A-2 (300.0_28D)	OCRI-10	Solid	10.14 g	100 mL	9/16/09	9_Days - R	4		360-24417-A-2-B
5	360-24417-A-3 (300.0_28D)	OCRI-10	Solid	9.99 g	100 mL	9/16/09	9_Days - R	4		360-24417-A-3-D
6	360-24417-E-4 (300.0_28D)	OCRI-10	Solid	10.20 g	100 mL	9/16/09	9_Days - R	4		360-24417-E-4-A
7	360-24417-E-5 (300.0_28D)	OCRI-10	Solid	10.02 g	100 mL	9/16/09	9_Days - R	4		360-24417-E-5-A
8	360-24417-A-6 (300.0_28D)	OCRI-10	Solid	10.07 g	100 mL	9/16/09	9_Days - R	4		360-24417-A-6-E
9	360-24417-A-7 (300.0_28D)	OCRI-10	Solid	10.21 g	100 mL	9/16/09	9_Days - R	4		360-24417-A-7-C
10	360-24417-A-8 (300.0_28D)	OCRI-10	Solid	10.11 g	100 mL	9/16/09	9_Days - R	4		360-24417-A-8-B
11	360-24417-E-9 (300.0_28D)	OCRI-10	Solid	10.10 g	100 mL	9/16/09	9_Days - R	4		360-24417-E-9-B
12	360-24417-A-10 (300.0_28D)	OCRI-10	Solid	10.04 g	100 mL	9/16/09	9_Days - R	4		360-24417-A-10-E
13	360-24417-A-10~MS (300.0_28D)	OCRI-10	Solid	10.04 g	100 mL	9/16/09	9_Days - R	4		360-24417-A-10-F MS
14	360-24417-A-10~MSD (300.0_28D)	OCRI-10	Solid	10.04 g	100 mL	9/16/09	9_Days - R	4		360-24417-A-10-G MSD
15	360-24417-E-11 (300.0_28D)	OCRI-10	Solid	10.23 g	100 mL	9/16/09	9_Days - R	4		360-24417-E-11-B

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09/30/2009

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-48905 Analyst: Lalashius, Andrew L Batch Open: 9/14/2009 9:30:00AM

Method Code: 360-DI_LEACH-360 Batch End:

16	360-24417-A-12 (300.0_28D)	OCRI-10	Solid	10.06 g	100 mL	9/16/09	9_Days - R	4		360-24417-A-12-B
17	360-24417-E-13 (300.0_28D)	OCRI-10	Solid	10.08 g	100 mL	9/16/09	9_Days - R	4		360-24417-E-13-A
18	360-24417-A-14 (300.0_28D)	OCRI-10	Solid	9.99 g	100 mL	9/16/09	9_Days - R	4		360-24417-A-14-B
19	360-24417-A-15 (300.0_28D)	OCRI-10	Solid	10.19 g	100 mL	9/16/09	9_Days - R	4		360-24417-A-15-B
20	360-24417-E-16 (300.0_28D)	OCRI-10	Solid	10.18 g	100 mL	9/16/09	9_Days - R	4		360-24417-E-16-A

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-48905

Method Code: 360-DI_LEACH-360

Analyst: Lalashius, Andrew L

Batch Open: 9/14/2009 9:30:00AM

Batch End:

Batch Notes

Balance ID

Batch Comment

Blank Soil Lot Number

Comments

Login Comments for Job 24417: MCP/Level 4/client needs executive summary page in all reports.
Diphenylamine on 4-16

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-48905

Method Code: 360-DI_LEACH-360

Analyst: Lalashius, Andrew L

Batch Open: 9/14/2009 9:30:00AM

Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness

Other Reagents:

Reagent	Amount/Units	Lot#:

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-48858 | Analyst: Lalashius, Andrew L | Batch Open: 9/11/2009 2:10:00PM

Method Code: 360-DI_LEACH-360 | Batch End:

Deionized Water Leaching Procedure

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~360-48858/1 N/A	N/A				N/A	N/A	N/A		MB 360-48858/1-A
2	LCS~360-48858/2 N/A	N/A				N/A	N/A	N/A		LCS 360-48858/2-A
3	360-24512-A-1 (9056_28D)	N/A	Waste	2.03 g	100 mL	9/23/09	9_Days	1		360-24512-A-1-A
	360-24512-A-2 (9056_28D)	N/A	Waste	2.25 g	100 mL	9/23/09	9_Days	1		360-24512-A-2-A
	360-24512-A-3 (9056_28D)	N/A	Waste	2.73 g	100 mL	9/23/09	9_Days	1		360-24512-A-3-A

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Data Review Coversheet—Inorganics Dept

Method: TOC L.K.

Date of Analytical Run: 9-8-09

Primary Reviewer's Initials: RWB

Date of Primary Review: 9-9-09

Secondary Reviewer's Initials: AM

Date of Secondary Review: 9-9-09

Batch Numbers	48727				

QC Criteria—**Non-MCP**: ICV/CCV ±10%: LCS/LCSD ±15% : MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

QC Criteria—**MCP/RCP**: (9012 and 7196 only)
9012: ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
7196: ICV/CCV ±20%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

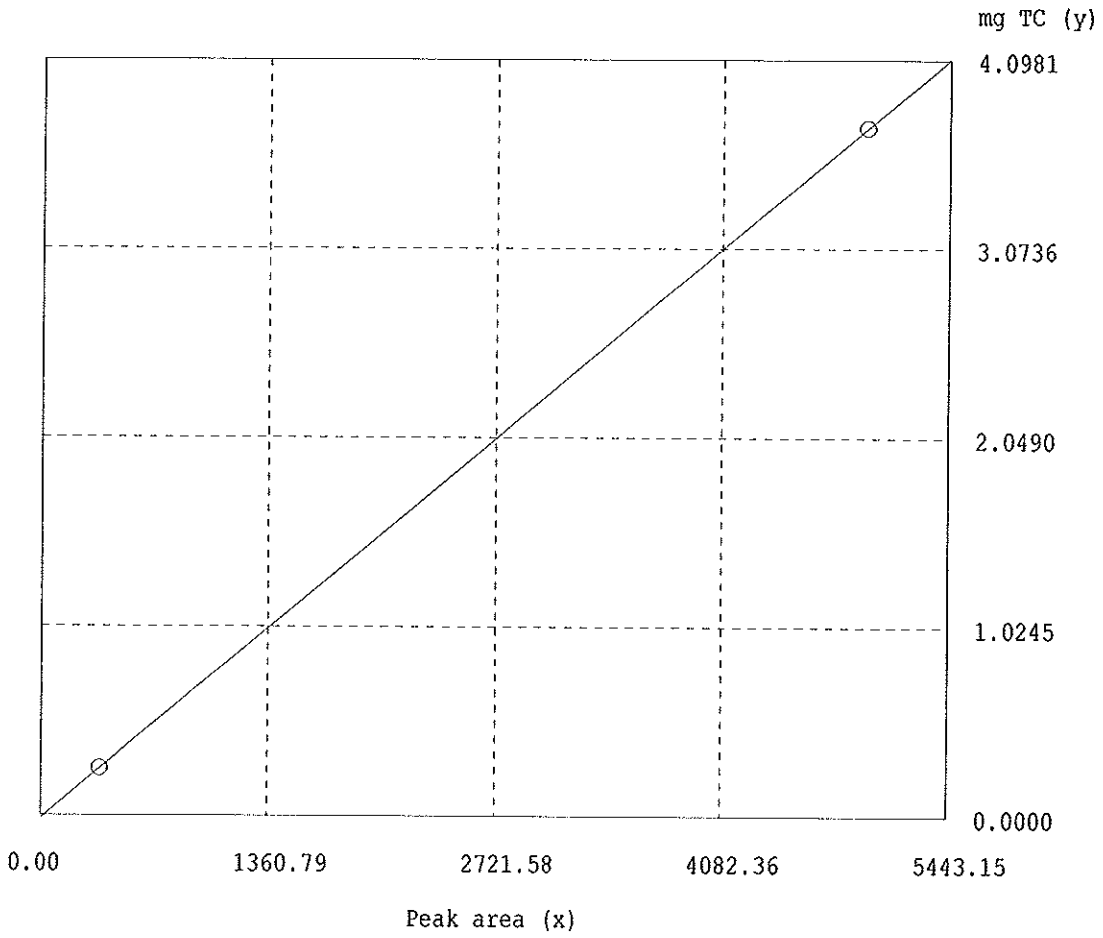
FAILURES OF QC FOR ANYTHING OTHER THAN MS, MSD or DU ARE GROUNDS FOR INVALIDATING THE BATCH.

Criteria for QC	Yes	No	n/a	Notes/Comments
Were the ICV and CCVs within acceptable limits for QC recovery?			X	
Were the ICB and CCBs all <RL?			X	
Were all MB and CCB results <RL for the analytes of interest?	X			
Was there a CCV/CCB combination run after every 10 samples or less?			X	
Was there an LCS run with every batch of 20 samples or less?	X			
Was there a DU, LCSD or MSD run with every batch of 20 samples or less?	X			
Were all LCS/LCSD results within acceptable limits for QC recovery?	X			
Were all MS/MSD results within acceptable limits for QC recovery?			X	
Were all DU or MSD RPDs within acceptable limits for QC recovery?			X	
Were the raw data points for investigative samples within the working curve range, or if not were the samples diluted to bring them within this range?	X			
IF there were any MCP/RCP samples in this batch, did they meet all MCP/RCP requirements?		X		
Were there any holding time violations in this batch?		X		**NOTE!** The PM and QA Manager must be notified by email *immediately* of any holding time violations!!
Were any NCMs generated for any samples in the batch? (If so, list NCM numbers, and first-reviewer must check off any "No" answers above as applicable.)		X		
Were any jobs in this batch Level 4?	✓			24417, 24444
For Level 4 jobs, was all paperwork associated with this batch scanned and attached to the batch in TALS?	✓			

Date: 08.09.2009 Time: 10:25 Document: 090809
Mode: Solids, regular User: 2

08 SEP 2009 CURVE
liquiTOC serial number: 35052030
IR-Detector serial number: 1112020562

TC Calibration, 'solids'



Form of calibration line: y = a + bx

Coefficient a = -1.473128e-002
Coefficient b = +7.558629e-004
Correlation r = 1.000000
Residue SD Sy = 1.#INF00
Blank rate = 7.91/ml

Legend:

○ Active sample
● Excluded sample

Date: 09.09.2009 Time: 08:44 Document: 090809
Mode: Solids, regular User: 2

08 SEP 2009 RESULTS
liquiTOC serial number: 35052030
IR-Detector serial number: 1112020562

Parameters Printout

Conc. Range	Inj. Vol.	IR No. Peak 1	IR No. Peak 2	Hold Temp.	Hold Time	Description
20ppm	1.00ml	1	1	250°C	120Secs	
100ppm	0.25ml	1	1	250°C	120Secs	
2ppm	2.00ml	1	1	250°C	120Secs	
1000ppm	0.10ml	1	1	250°C	120Secs	
50ppm	0.50ml	1	1	250°C	120Secs	
solids	1.00ml	1	1	250°C	120Secs	
TA 1.0	1.20ml	1	1	250°C	120Secs	
	0.00ml	1	1	250°C	120Secs	

Date: 09.09.2009 Time: 08:44 Document: 090809
Mode: Solids, regular User: 2

08 SEP 2009 RESULTS
liquiTOC serial number: 35052030
IR-Detector serial number: 1112020562

Coefficients Printout

Conc. Range	Type	Coeff. a	Coeff. b	Coeff. c	min.	max.	modified at
20ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
100ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
2ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
1000ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
50ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
solids	TC	-1.473128e-002	+7.558629e-004		0.00	4948.32	08.09.2009 10:25
TA 1.0	TC	-2.616592e-001	+6.002487e-004		0.00	5562.26	11.06.2009 09:04
	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00

Date: 09.09.2009 Time: 08:44 Document: 090809
Mode: Solids, regular User: 2

08 SEP 2009 RESULTS
liquiTOC serial number: 35052030
IR-Detector serial number: 1112020562

Statistics Printout

No.	Name	TC	Conc. Range
1	RUN IN	0.0ppm	solids
2	RUN IN	0.0ppm	solids
***	Mean	0.00ppm	
***	Stddev., rel.	0.000 %	
***	Delta	0.0ppm	
3	BLANK	0.0ppm	solids
4	BLANK	0.0ppm	solids
***	Mean	0.00ppm	
***	Stddev., rel.	0.000 %	
***	Delta	0.0ppm	
5	STD	8600ppm	solids
6	STD	8600ppm	solids
***	Mean	8600ppm	
***	Stddev., rel.	0.000 %	
***	Delta	0.0ppm	
7	MB	0.0ppm	solids
8	MB	0.0ppm	solids
***	Mean	0.00ppm	
***	Stddev., rel.	0.000 %	
***	Delta	0.0ppm	
9	LCS	3.749 %	solids
10	LCS	3.695 %	solids
***	Mean	3.722 %	
***	Stddev., rel.	1.039 %	
***	Delta	547ppm	
11	LCSD	3.650 %	solids
12	LCSD	3.357 %	solids
***	Mean	3.503 %	
***	Stddev., rel.	5.918 %	
***	Delta	2932ppm	
13	24417H7	1317ppm	solids
14	24417H7	902ppm	solids
***	Mean	1109ppm	
***	Stddev., rel.	26.45 %	
***	Delta	415ppm	
15	24417H8	717ppm	solids
16	24417H8	682ppm	solids
***	Mean	699ppm	
***	Stddev., rel.	3.560 %	
***	Delta	35.2ppm	
17	24417H9	571ppm	solids
18	24417H9	597ppm	solids

Date: 09.09.2009 Time: 08:44 Document: 090809
Mode: Solids, regular User: 2

08 SEP 2009 RESULTS
liquiTOC serial number: 35052030
IR-Detector serial number: 1112020562

Statistics Printout

No.	Name	TC	Conc. Range	
***	Mean	584ppm		
***	Stddev., rel.	3.171 %		
***	Delta	26.2ppm		
19	24417H10	736ppm	solids	
20	24417H10	598ppm	solids	
***	Mean	667ppm		
***	Stddev., rel.	14.66 %		
***	Delta	138ppm		
21	24444A1	1.018 %	solids	
22	24444A1	4903ppm	solids	
***	Mean	7544ppm		
***	Stddev., rel.	49.50 %		
***	Delta	5281ppm		
23	24444A2	4637ppm	solids	
24	24444A2	6090ppm	solids	
***	Mean	5363ppm		
***	Stddev., rel.	19.16 %		
***	Delta	1453ppm		
25	24444E12	4416ppm	solids	
26	24444E12	4117ppm	solids	
***	Mean	4267ppm		
***	Stddev., rel.	4.960 %		
***	Delta	299ppm		
27	24444A13	172ppm	solids	
28	24444A13	217ppm	solids	
***	Mean	194ppm		
***	Stddev., rel.	16.47 %		
***	Delta	45.2ppm		
29	CLOSE LCS	3.535 %	solids	104.2% Tu = 3.351%
30	CLOSE LCS	3.447 %	solids	
***	Mean	3.491 %		
***	Stddev., rel.	1.793 %		
***	Delta	885ppm		
31	CLOSE MB	55.7ppm	solids	
32	CLOSE MB	0.0ppm	solids	ND
***	Mean	27.84ppm		
***	Stddev., rel.	141 %		
***	Delta	55.7ppm		

RLS 9-9-09

Date: 09.09.2009 Time: 08:44 Document: 090809
Mode: Solids, regular User: 2

08 SEP 2009 RUN LOG
liquiTOC serial number: 35052030
IR-Detector serial number: 1112020562

Parameters Printout

Conc. Range	Inj. Vol.	IR No. Peak 1	IR No. Peak 2	Hold Temp.	Hold Time	Description
20ppm	1.00ml	1	1	250°C	120Secs	
100ppm	0.25ml	1	1	250°C	120Secs	
2ppm	2.00ml	1	1	250°C	120Secs	
1000ppm	0.10ml	1	1	250°C	120Secs	
50ppm	0.50ml	1	1	250°C	120Secs	
solids	1.00ml	1	1	250°C	120Secs	
TA 1.0	1.20ml	1	1	250°C	120Secs	
	0.00ml	1	1	250°C	120Secs	

08 SEP 2009 RUN LOG
liquiTOC serial number: 35052030
IR-Detector serial number: 1112020562

Coefficients Printout

Conc. Range	Type	Coeff. a	Coeff. b	Coeff. c	min.	max.	modified at
20ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
100ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
2ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
1000ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
50ppm	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00
solids	TC	-1.473128e-002	+7.558629e-004		0.00	4948.32	08.09.2009 10:25
TA 1.0	TC	-2.616592e-001	+6.002487e-004		0.00	5562.26	11.06.2009 09:04
	TC	+0.000000e+000	+0.000000e+000		0.00	0.00	01.01.2000 00:00

Date: 09.09.2009 Time: 08:44 Document: 090809
Mode: Solids, regular User: 2

08 SEP 2009 RUN LOG
liquiTOC serial number: 35052030
IR-Detector serial number: 1112020562

Text Printout

No.	Name	Conc. Range	Date	Time	Wght. [mg]	TC	TC Area
1	RUN IN	solids	08.09.2009	09:02	1.000	1.112 %	34.20
2	RUN IN	solids	08.09.2009	09:14	1.000	6010ppm	27.44
3	BLANK	solids	08.09.2009	09:27	113.80	0.0ppm	11.10
4	BLANK	solids	08.09.2009	09:53	122.40	0.0ppm	18.15
5	STD	solids	08.09.2009	10:07	29.600	8600ppm	356.27
6	STD	solids	08.09.2009	10:24	433.20	8600ppm	4948.32
7	MB	solids	08.09.2009	10:39	108.60	0.0ppm	5.06
8	MB	solids	08.09.2009	10:53	1.000	0.0ppm	10.47
9	LCS	solids	08.09.2009	11:05	37.200	3.749 %	1864.73
10	LCS	solids	08.09.2009	11:18	57.300	3.695 %	2820.31
11	LCSD	solids	08.09.2009	11:37	55.300	3.650 %	2689.96
12	LCSD	solids	08.09.2009	12:38	60.900	3.357 %	2724.14
13	24417H7	solids	08.09.2009	12:50	687.90	1317ppm	1217.64
14	24417H7	solids	08.09.2009	13:03	586.20	902ppm	718.73
15	24417H8	solids	08.09.2009	13:17	791.40	717ppm	769.95
16	24417H8	solids	08.09.2009	13:32	692.10	682ppm	643.56
17	24417H9	solids	08.09.2009	13:48	831.90	571ppm	647.89
18	24417H9	solids	08.09.2009	14:03	770.20	597ppm	627.97
19	24417H10	solids	08.09.2009	14:17	825.50	736ppm	823.74
20	24417H10	solids	08.09.2009	14:33	804.20	598ppm	655.85
21	24444A1	solids	08.09.2009	14:45	153.10	1.018 %	2082.37
22	24444A1	solids	08.09.2009	14:58	170.30	4903ppm	1124.23
23	24444A2	solids	08.09.2009	15:10	205.10	4637ppm	1277.63
24	24444A2	solids	08.09.2009	15:23	307.20	6090ppm	2494.41
25	24444E12	solids	08.09.2009	15:35	799.80	4416ppm	4692.63
26	24444E12	solids	08.09.2009	15:49	580.90	4117ppm	3183.60
27	24444A13	solids	08.09.2009	16:01	704.30	172ppm	179.46
28	24444A13	solids	08.09.2009	16:16	765.20	217ppm	239.10
29	CLOSE LCS	solids	08.09.2009	16:30	40.200	3.535 %	1899.59
30	CLOSE LCS	solids	08.09.2009	16:41	60.800	3.447 %	2791.81
31	CLOSE MB	solids	09.09.2009	08:24	124.10	55.7ppm	28.63
32	CLOSE MB	solids	09.09.2009	08:40	109.60	0.0ppm	10.19

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Data Review Coversheet—Inorganics Dept

Method: NH_3 LACH-07-06-1-B

Date of Analytical Run: 9-15-09

Primary Reviewer's Initials: AH

Date of Primary Review: 9-15-09

Secondary Reviewer's Initials: RME

Date of Secondary Review: 9-15-09

Batch Numbers	48967				

QC Criteria—**Non-MCP**: ICV/CCV ±10%: LCS/LCSD ±15% : MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

QC Criteria—**MCP/RCP**: (9012 and 7196 only)
9012: ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
7196: ICV/CCV ±20%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

FAILURES OF QC FOR ANYTHING OTHER THAN MS, MSD or DU ARE GROUNDS FOR INVALIDATING THE BATCH.

Criteria for QC	Yes	No	n/a	Notes/Comments
Were the ICV and CCVs within acceptable limits for QC recovery?	✓			
Were the ICB and CCBs all <RL?	✓			
Were all MB and CCB results <RL for the analytes of interest?	✓			
Was there a CCV/CCB combination run after every 10 samples or less?	✓			
Was there an LCS run with every batch of 20 samples or less?	✓			
Was there a DU, LCSD or MSD run with every batch of 20 samples or less?	✓			
Were all LCS/LCSD results within acceptable limits for QC recovery?	✓			
Were all MS/MSD results within acceptable limits for QC recovery?	✓			
Were all DU or MSD RPDs within acceptable limits for QC recovery?	✓			
Were the raw data points for investigative samples within the working curve range, or if not were the samples diluted to bring them within this range?	✓			
IF there were any MCP/RCP samples in this batch, did they meet all MCP/RCP requirements?		✓		
Were there any holding time violations in this batch?		✓		**NOTE!** The PM and QA Manager must be notified by email *immediately* of any holding time violations!!
Were any NCMs generated for any samples in the batch? (If so, list NCM numbers, and first-reviewer must check off any "No" answers above as applicable.)		✓		
Were any jobs in this batch Level 4?	✓			24365, 24417
For Level 4 jobs, was all paperwork associated with this batch scanned and attached to the batch in TALS?	✓			

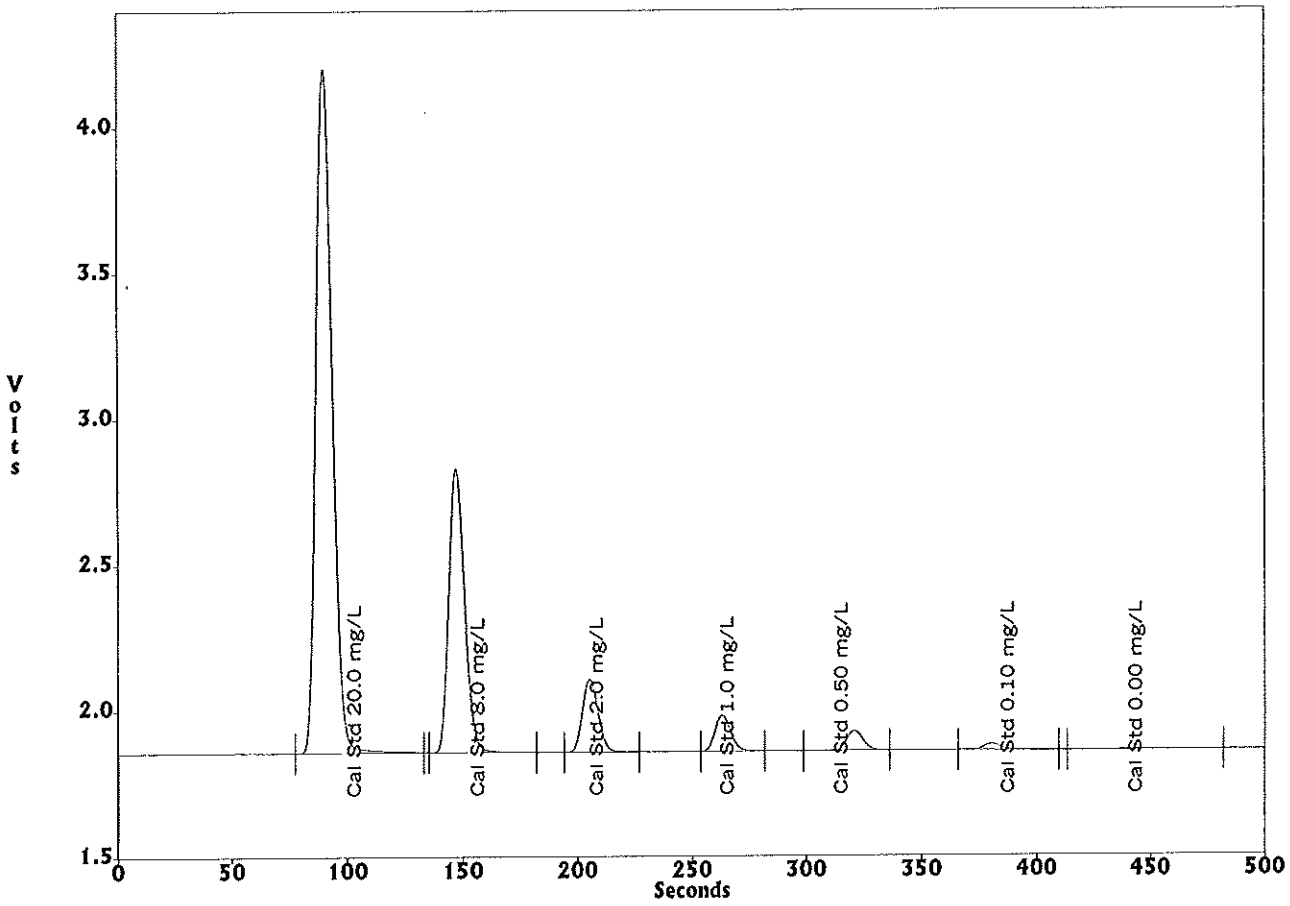
OPERATOR: lalashius
ACQ. TIME: Sep 15, 2009 9:06:42
DATA FILENAME: C:\OMNION\DATA\2009\091509A.FDT
METHOD FILENAME: C:\OMNION\METHODS\NH3.MET
TRAY FILENAME: C:\OMNION\TRAYS\NH3\2009\091509.TRA

TRAY DESCRIPTION:
Created: Sep 15, 2009 8:40:53
Modified: Sep 15, 2009 8:40:53

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 90

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
1	Cal Std 20.0 mg/L	15 Sep 2009	09:06:43	1	18915726.000
2	Cal Std 8.0 mg/L	15 Sep 2009	09:07:40	1	7795943.000
3	Cal Std 2.0 mg/L	15 Sep 2009	09:08:38	1	1990074.000
4	Cal Std 1.0 mg/L	15 Sep 2009	09:09:36	1	992675.000
5	Cal Std 0.50 mg/L	15 Sep 2009	09:10:34	1	578125.000
6	Cal Std 0.10 mg/L	15 Sep 2009	09:11:33	1	221158.000
7	Cal Std 0.00 mg/L	15 Sep 2009	09:12:32	1	0.000

Channel 1 - Ammonia



OPERATOR: lalashius
DATA FILENAME: C:\OMNION\DATA\2009\091509A.FDT
METHOD FILENAME: C:\OMNION\METHODS\NH3.MET
TRAY FILENAME: C:\OMNION\TRAYS\NH3\2009\091509.TRA

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 26

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (mg/L)
1	ICV	15 Sep 2009	09:14:50	1	10.8103
2	ICB	15 Sep 2009	09:15:49	1	-0.1262
3	MB 360-48918/1-A	15 Sep 2009	09:16:47	1	-0.0813
4	LCS 360-48918/2-A	15 Sep 2009	09:17:45	1	9.9681
5	360-24365-A-4-S	15 Sep 2009	09:18:44	1	-0.0154
6	360-24365-A-4-T MS	15 Sep 2009	09:19:42	1	9.5126
7	360-24365-A-4-U MSD	15 Sep 2009	09:20:39	1	9.7808
8	360-24365-A-7-H	15 Sep 2009	09:21:37	1	0.1952
9	360-24365-A-8-G	15 Sep 2009	09:22:34	1	0.5805
10	360-24365-A-9-D	15 Sep 2009	09:23:31	1	2.7229
11	360-24365-A-10-G	15 Sep 2009	09:24:29	1	0.0935
12	360-24365-A-13-G	15 Sep 2009	09:25:26	1	0.4717
13	CCV	15 Sep 2009	09:26:23	1	8.3982
14	CCB	15 Sep 2009	09:27:20	1	-0.1262
15	360-24365-A-14-D	15 Sep 2009	09:28:16	1	2.8907
16	360-24365-G-15-B	15 Sep 2009	09:29:15	1	0.1677
17	360-24365-A-16-F	15 Sep 2009	09:30:13	1	0.6791
18	360-24365-A-17-C	15 Sep 2009	09:31:11	1	4.2218
19	360-24365-A-18-F	15 Sep 2009	09:32:10	1	0.4431
20	360-24417-A-1-E	15 Sep 2009	09:33:08	1	0.1644
21	360-24417-A-2-C	15 Sep 2009	09:34:06	1	6.5315
22	360-24417-A-3-E	15 Sep 2009	09:35:05	1	0.0335
23	360-24417-E-4-B	15 Sep 2009	09:36:02	1	0.1598
24	360-24417-E-5-B	15 Sep 2009	09:36:59	1	1.9019
25	ccv	15 Sep 2009	09:37:57	1	8.5220
26	ccb	15 Sep 2009	09:38:54	1	-0.1262

Ammonia Buffer=W09IRGT002; Sodium Phenolate=W09HRGT013; Sodium Nitroprusside=W09GRGT017; LCS=10 mg/L +/-15% (W08CSTK004). **ICV=LabChem 1000ppm Ammonia (as Nitrogen) Lot 6178-04; TV=10.0 MG/L =+/- 10%.

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 27 to 50

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
NO SAMPLE INFO FOR THE SELECTED CUP RANGE					

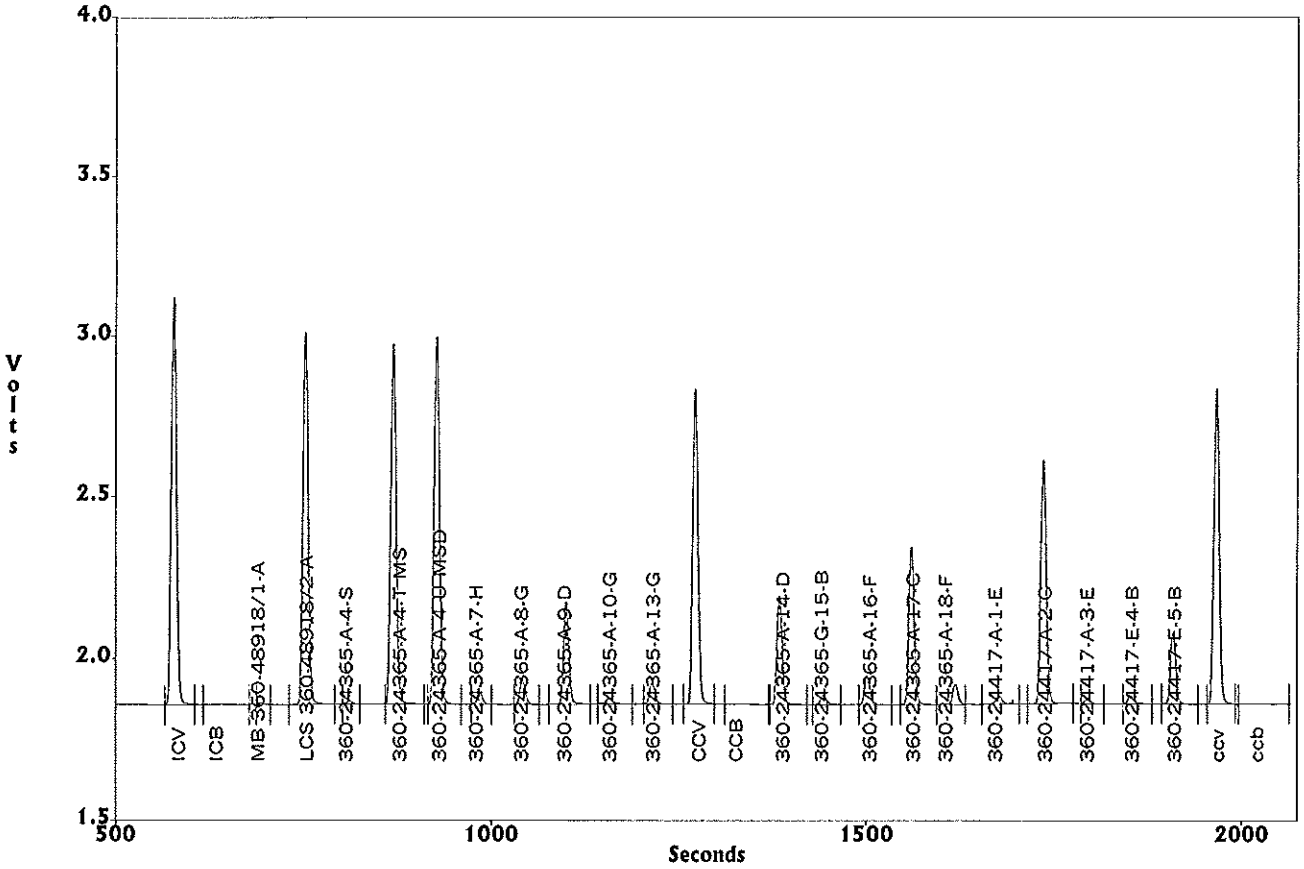
9-15-09

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 51 to 75

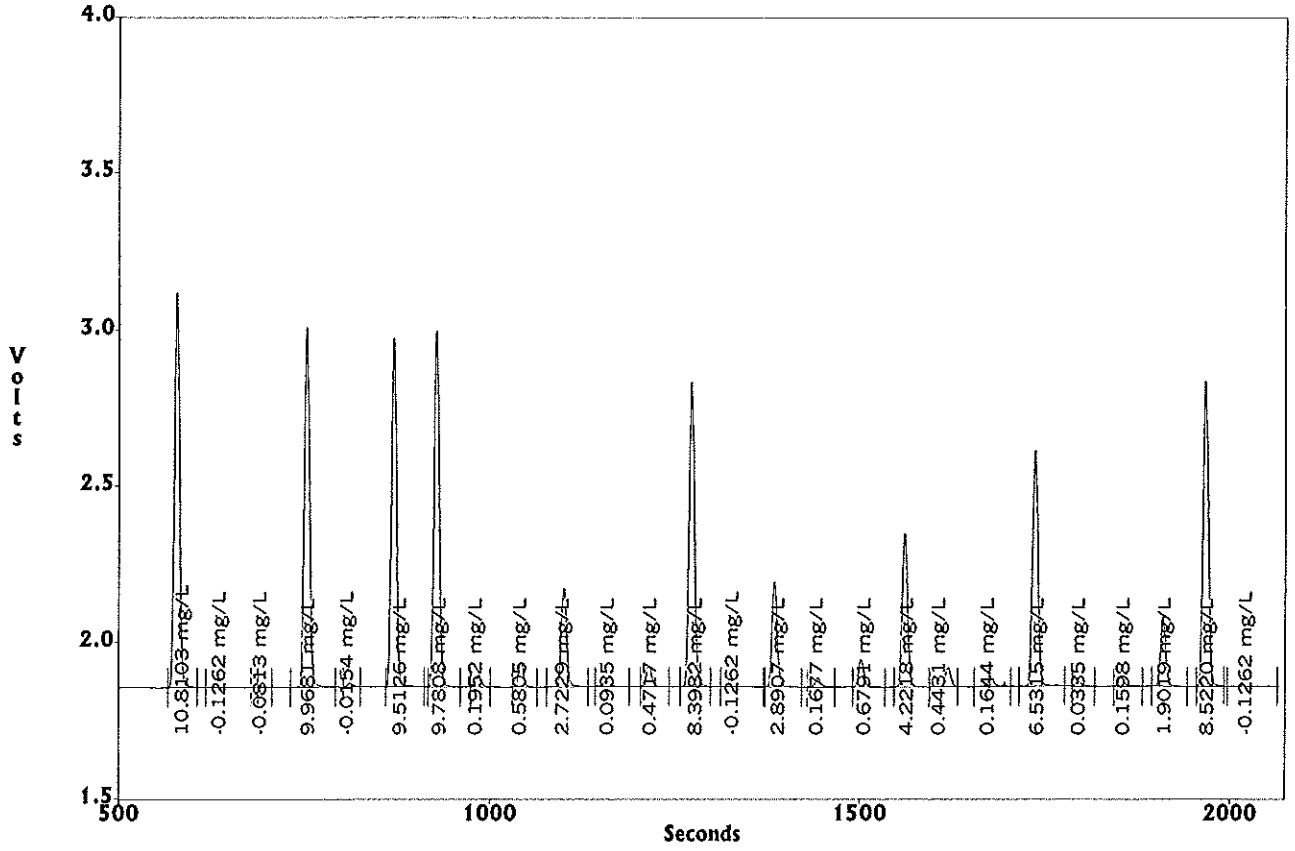
Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
NO SAMPLE INFO FOR THE SELECTED CUP RANGE					

4-15-09

Channel 1 - Ammonia



Channel 1 - Ammonia



OPERATOR:	lalashius
ACQ. TIME:	Sep 15, 2009 9:06:42
DATA FILENAME:	C:\OMNION\DATA\2009\091509A.FDT
TRAY FILENAME:	C:\OMNION\TRAYS\NH3\2009\091509.TRA

AMMONIA STANDARD CREATION SUMMARY

Date Made: 09/09/2009 Date Expires: 10/09/2009

Standard Conc. (mg/L):	20;	8;	2;	1;	0.5;	0.1
mLs of 100 mg/L NH3 INT STD:	20;	16;	2;	1;	0.5;	0.1
Final Vol (mLs) w/ MilliQ:	100;	200;	100;	100;	100;	100

100 mg/L NH3 INT STD: 10.0 mL of W08CSTK004 diluted to 100mL

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 101 to 130

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
NO SAMPLE INFO FOR THE SELECTED CUP RANGE					

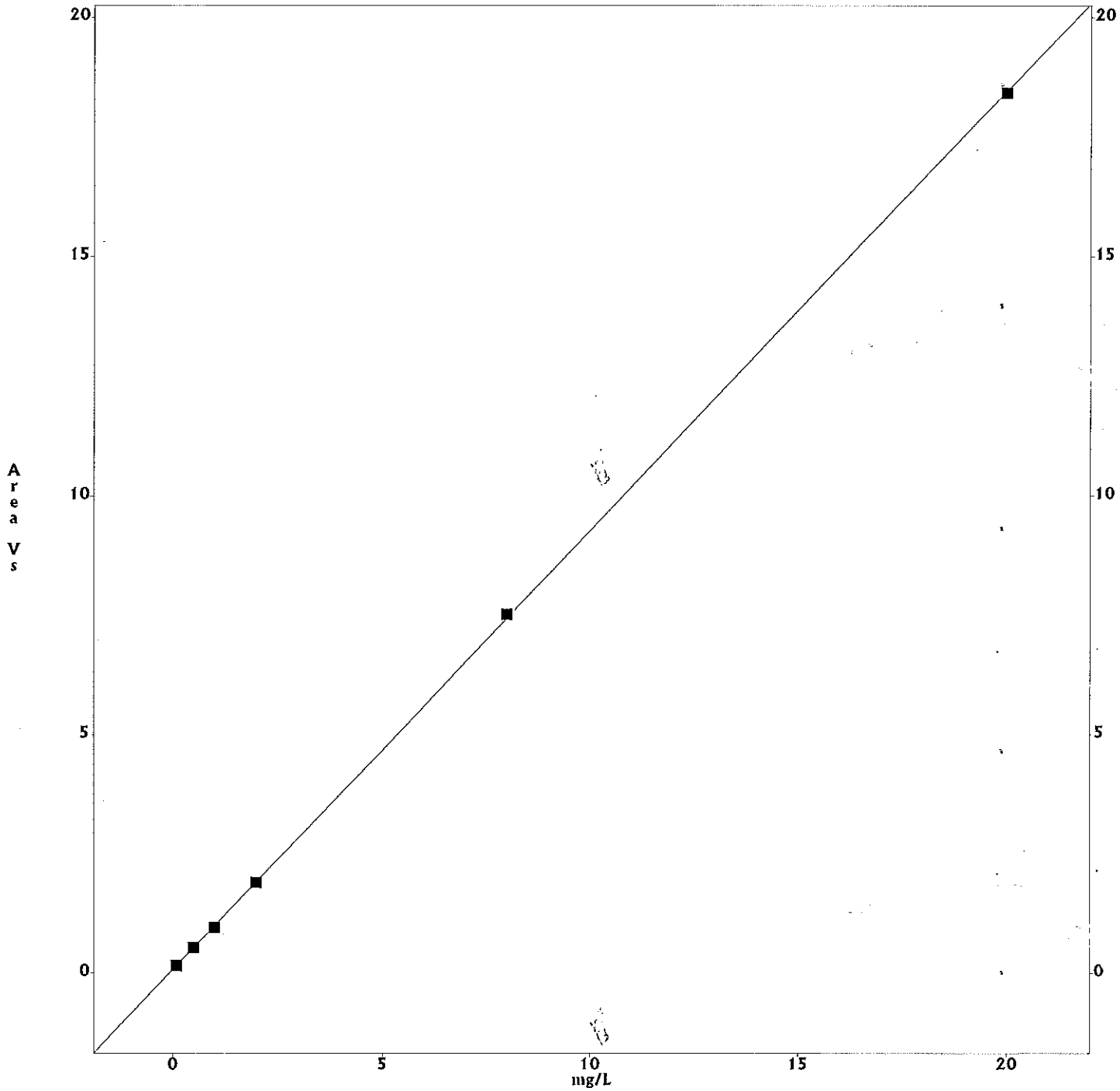
9-15-09

Ammonia

Lvl	Area	mg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	18425632	20.0	18425632					0.0	0.0	0.2
2	7516135	8.0	7516135					0.0	0.0	-1.2
3	1905632	2.0	1905632					0.0	0.0	0.5
4	956944	1.0	956944					0.0	0.0	4.1
5	536557	0.5	536557					0.0	0.0	-0.2
6	158675	0.1	158675					0.0	0.0	9.9

1st Order Poly
Conc = 1.088e-006 Area - 8.256e-002
r = 1.0000

Scaling: None - Weighting: None



Printed: Tuesday, September 15, 2009 - 12:18 PM

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-48918

Analyst: Lalashius, Andrew L

Batch Open: 9/14/2009 11:26:00AM

Method Code: 360-Distill_Ammonia-360

Batch End:

Distillation, Ammonia

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Dlv Rank	Comments	Output Sample Lab ID
1	MB~360-48918/1 N/A	N/A			50 mL	N/A	N/A	N/A		MB 360-48918/1-A
2	LCS~360-48918/2 N/A	N/A			50 mL	N/A	N/A	N/A		LCS 360-48918/2-A
3	360-24365-A-4 (LACH_107_06_1_B)	OCRI-09	Solid	0.70 g	50 mL	9/14/09	9_Days - R	4		360-24365-A-4-S
4	360-24365-A-4~MS (LACH_107_06_1_B)	OCRI-09	Solid	0.80 g	50 mL	9/14/09	9_Days - R	4		360-24365-A-4-T MS
5	360-24365-A-4~MSD (LACH_107_06_1_B)	OCRI-09	Solid	0.78 g	50 mL	9/14/09	9_Days - R	4		360-24365-A-4-U MSD
6	360-24365-A-7 (LACH_107_06_1_B)	OCRI-09	Solid	0.77 g	50 mL	9/14/09	9_Days - R	4		360-24365-A-7-H
7	360-24365-A-8 (LACH_107_06_1_B)	OCRI-09	Solid	0.85 g	50 mL	9/14/09	9_Days - R	4		360-24365-A-8-G
8	360-24365-A-9 (LACH_107_06_1_B)	OCRI-09	Solid	0.70 g	50 mL	9/14/09	9_Days - R	4		360-24365-A-9-D
9	360-24365-A-10 (LACH_107_06_1_B)	OCRI-09	Solid	0.98 g	50 mL	9/14/09	9_Days - R	4		360-24365-A-10-G
10	360-24365-A-13 (LACH_107_06_1_B)	OCRI-09	Solid	0.82 g	50 mL	9/14/09	9_Days - R	4		360-24365-A-13-G
11	360-24365-A-14 (LACH_107_06_1_B)	OCRI-09	Solid	0.66 g	50 mL	9/14/09	9_Days - R	4		360-24365-A-14-D
12	360-24365-G-15 (LACH_107_06_1_B)	OCRI-09	Solid	0.75 g	50 mL	9/14/09	9_Days - R	4		360-24365-G-15-B
13	360-24365-A-16 (LACH_107_06_1_B)	OCRI-09	Solid	0.91 g	50 mL	9/14/09	9_Days - R	4		360-24365-A-16-F
14	360-24365-A-17 (LACH_107_06_1_B)	OCRI-09	Solid	0.82 g	50 mL	9/14/09	9_Days - R	4		360-24365-A-17-C
15	360-24365-A-18 (LACH_107_06_1_B)	OCRI-09	Solid	0.90 g	50 mL	9/14/09	9_Days - R	4		360-24365-A-18-F

Page 1791 of 1848
09/30/2009

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-48918 Analyst: Lalashius, Andrew L Batch Open: 9/14/2009 11:26:00AM

Method Code: 360-Distill_Ammonia-360 Batch End:

16	360-24417-A-1 (LACH_107_06_1_B)	OCRI-10	Solid	0.81 g	50 mL	9/16/09	9_Days - R	4		360-24417-A-1-E
17	360-24417-A-2 (LACH_107_06_1_B)	OCRI-10	Solid	0.71 g	50 mL	9/16/09	9_Days - R	4		360-24417-A-2-C
18	360-24417-A-3 (LACH_107_06_1_B)	OCRI-10	Solid	0.72 g	50 mL	9/16/09	9_Days - R	4		360-24417-A-3-E
19	360-24417-E-4 (LACH_107_06_1_B)	OCRI-10	Solid	0.76 g	50 mL	9/16/09	9_Days - R	4		360-24417-E-4-B
20	360-24417-E-5 (LACH_107_06_1_B)	OCRI-10	Solid	0.84 g	50 mL	9/16/09	9_Days - R	4		360-24417-E-5-B

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-48918 | Analyst: Lalashius, Andrew L | Batch Open: 9/14/2009 11:26:00AM

Method Code: 360-Distill_Ammonia-360 | Batch End:

Batch Notes

Acid used for pH adjustment	
Base used for pH adjustment	
Batch Comment	
Buffer Lot #	
Buffer Reagent ID Number	
Distillation End Time	
Distilliation Unit ID	
Distillation Start Time	
Distillation Temperature	
Sulfuric Acid Lot Number	
NaOH Lot #	
Sulfuric Acid Reagent ID Number	
Temperature	

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-48918

Method Code: 360-Distill_Ammonia-360

Analyst: Lalashius, Andrew L

Batch Open: 9/14/2009 11:26:00AM

Batch End:

Comments

Login Comments for Job 24365: MCP/Level 4/client needs executive summary page in all reports.
Diphenylamine - 1,2,3,4,8,9,10,12, 13, 14,15
sample 19-22 are PE samples please see me if you need instructions
samples 20-22 use 100% for the % solid results per PE instructions.
Sample 19 no % solid needed reported on wet weight.

360-24365-A-4
Sample Comments: Diphenylamine -

360-24365-A-4~MS
Sample Comments: Diphenylamine -

360-24365-A-4~MS
Sample Comments: Diphenylamine -

360-24365-A-8
Sample Comments: Diphenylamine -

360-24365-A-9
Sample Comments: Diphenylamine -

360-24365-A-10
Sample Comments: Diphenylamine -

Login Comments for Job 24417: MCP/Level 4/client needs executive summary page in all reports.
Diphenylamine on 4-16

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-48918

Analyst: Lalashius, Andrew L

Batch Open: 9/14/2009 11:26:00AM

Method Code: 360-Distill_Ammonia-360

Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-48918/2	W08CSTK004_00001	500 uL	50 mL		
360-24365-A-4 MS	W08CSTK004_00001	500 uL	50 mL		
360-24365-A-4 MSD	W08CSTK004_00001	500 uL	50 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

Easy-DIST Distillation Log

Analyst Initials: AH

Date: 9-14-09

Applicable Methods = Total Cyanide, PAC, Ammonia and Phenol

Tube #	Run #1 Method = NH_3 Temperature = 210 Start Time = 1126 Stop Time = 1128	Run #2 Method = Temperature = Start Time = Stop Time =	Run #3 Method = Temperature = Start Time = Stop Time =	PAC Use Only: Temp & Flow (15 min)	Temp & Flow (30 min)	Temp & Flow (45 min)	Temp & Flow (60 min)	Final pH	Sulfide? (Y/N)
X	Sample IDs	Sample IDs	Sample IDs						
1	MB								
2	LCS								
3	24365A4 0.70g								
4	A4MS 0.80g								
5	A4MSD 0.78g								
6	A7 0.77g								
7	A8 0.85g								
8	A9 0.70g								
9	A10 0.98g								
10	A13 0.82g								
11	A14 0.66g								
12	G15 0.75g								
13	A16 0.94g								
14	A17 0.82g								
15	A18 0.90g								
16	24417A1 0.81g								
17	A2 0.76g								
18	A3 0.72g								
19	E4 0.76g								
20	E5 0.84g								

AH 9-14-09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Coversheet—Inorganics Dept

Method: NH_3 LACH-07-06-1-B

Date of Analytical Run: 9-16-09

Primary Reviewer's Initials: [illegible]

Date of Primary Review: 9-16-09

Secondary Reviewer's Initials: RWE

Date of Secondary Review: 9-17-09

Batch Numbers	49039	49040	49043	49044	

QC Criteria—**Non-MCP**: ICV/CCV ±10%: LCS/LCSD ±15% : MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

QC Criteria—**MCP/RCP**: (9012 and 7196 only)
9012: ICV/CCV ±15%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%
7196: ICV/CCV ±20%: LCS/LCSD ±20%: MS/MSD ±25%: ICB/MB/CCB <RL: MD/MSD/LCSD RPD ≤20%

FAILURES OF QC FOR ANYTHING OTHER THAN MS, MSD or DU ARE GROUNDS FOR INVALIDATING THE BATCH.

Criteria for QC	Yes	No	n/a	Notes/Comments
Were the ICV and CCVs within acceptable limits for QC recovery?	✓			
Were the ICB and CCBs all <RL?	✓			
Were all MB and CCB results <RL for the analytes of interest?	✓			
Was there a CCV/CCB combination run after every 10 samples or less?	✓			
Was there an LCS run with every batch of 20 samples or less?	✓			
Was there a DU, LCSD or MSD run with every batch of 20 samples or less?	✓			
Were all LCS/LCSD results within acceptable limits for QC recovery?	✓			
Were all MS/MSD results within acceptable limits for QC recovery?		X		Batch 49043 only
Were all DU or MSD RPDs within acceptable limits for QC recovery?		X		Batch 49044 only
Were the raw data points for investigative samples within the working curve range, or if not were the samples diluted to bring them within this range?	✓			
IF there were any MCP/RCP samples in this batch, did they meet all MCP/RCP requirements?		✓		
Were there any holding time violations in this batch?		✓		**NOTE!** The PM and QA Manager must be notified by email *immediately* of any holding time violations!!
Were any NCMs generated for any samples in the batch? (If so, list NCM numbers, and first-reviewer must check off any "No" answers above as applicable.)	X			20573, 20574
Were any jobs in this batch Level 4?	✓			24417, 24444
For Level 4 jobs, was all paperwork associated with this batch scanned and attached to the batch in TALS?	✓			B49040, B49043, B49044

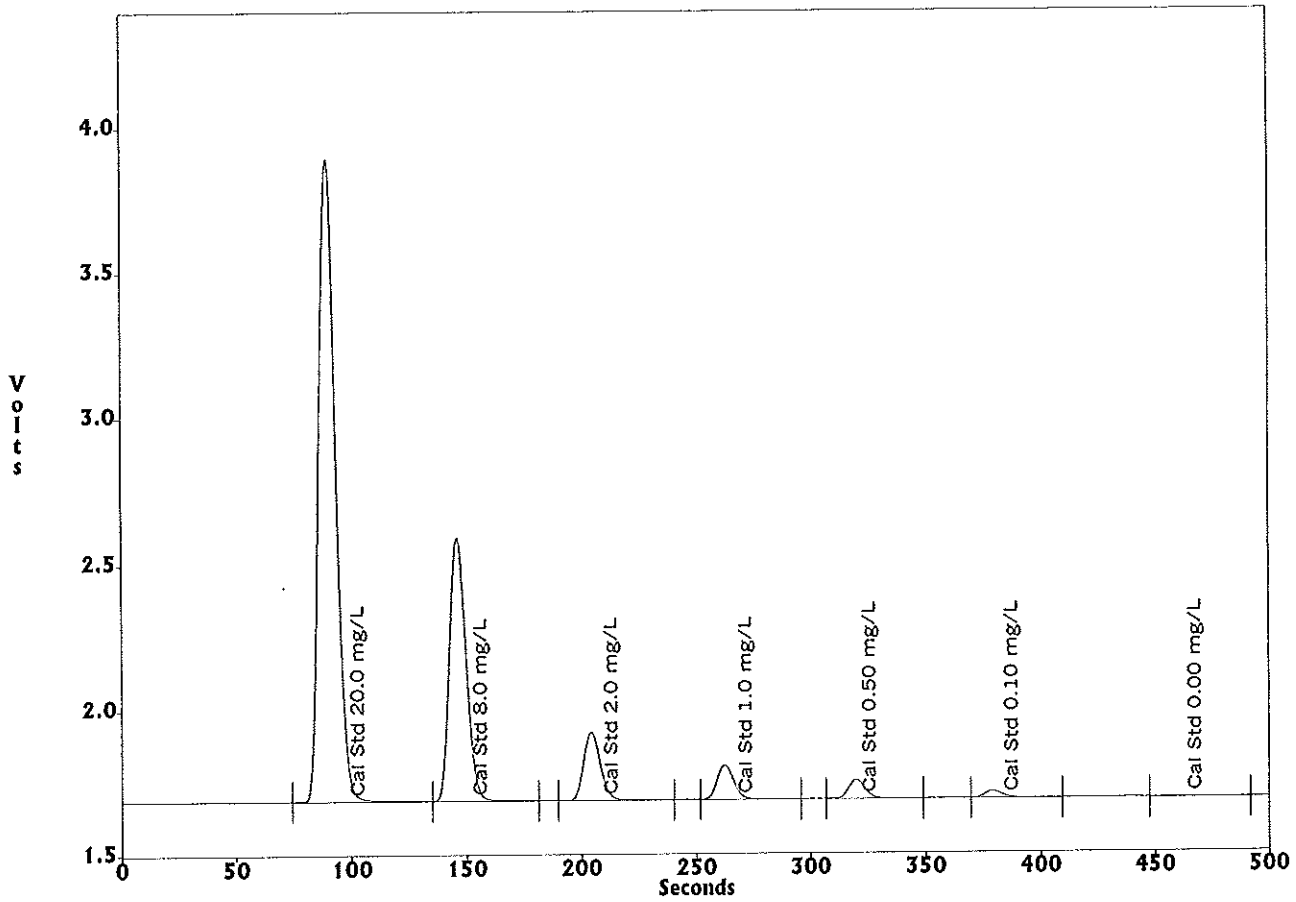
OPERATOR: lalashius
ACQ. TIME: Sep 16, 2009 13:20:12
DATA FILENAME: C:\OMNION\DATA\2009\091609B.FDT
METHOD FILENAME: C:\OMNION\METHODS\NH3.MET
TRAY FILENAME: C:\OMNION\TRAYS\NH3\2009\091609.TRA

TRAY DESCRIPTION:
Created: Sep 16, 2009 13:04:23
Modified: Sep 16, 2009 13:55:26

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 90

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
1	Cal Std 20.0 mg/L	16 Sep 2009	13:20:13	1	18558990.000
2	Cal Std 8.0 mg/L	16 Sep 2009	13:21:10	1	7556685.000
3	Cal Std 2.0 mg/L	16 Sep 2009	13:22:08	1	2009120.000
4	Cal Std 1.0 mg/L	16 Sep 2009	13:23:06	1	1021050.000
5	Cal Std 0.50 mg/L	16 Sep 2009	13:24:04	1	570854.000
6	Cal Std 0.10 mg/L	16 Sep 2009	13:25:02	1	234816.000
7	Cal Std 0.00 mg/L	16 Sep 2009	13:26:01	1	54342.000

Channel 1 - Ammonia



OPERATOR: lalashius
DATA FILENAME: C:\OMNION\DATA\2009\091609B.FDT
METHOD FILENAME: C:\OMNION\METHODS\NH3.MET
TRAY FILENAME: C:\OMNION\TRAYS\NH3\2009\091609.TRA

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 26

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (mg/L)
1	ICV	16 Sep 2009	13:28:44	1	10.2002
2	ICB	16 Sep 2009	13:29:42	1	-0.1470
3	MB 360-48985/1-A	16 Sep 2009	13:30:41	1	-0.0631
4	LCS 360-48985/2-A	16 Sep 2009	13:31:39	1	9.8709
5	360-24398-A-1-D	16 Sep 2009	13:32:37	1	3.6434
6	360-24398-A-1-E MS	16 Sep 2009	13:33:36	1	12.5681
7	360-24398-A-1-F MSD	16 Sep 2009	13:34:33	1	11.1577
8	360-24414-A-1-B	16 Sep 2009	13:35:30	1	6.5610
9	360-24424-A-2-B	16 Sep 2009	13:36:28	1	20.8625 -Dilution in 2nd group of data AM 9-16-09
10	360-24417-A-6-F	16 Sep 2009	13:37:25	1	0.1475
11	360-24417-A-7-E	16 Sep 2009	13:38:22	1	0.0036
12	360-24417-A-8-D	16 Sep 2009	13:39:20	1	1.1274
13	CCV	16 Sep 2009	13:40:17	1	8.0806
14	CCB	16 Sep 2009	13:41:13	1	-0.1470
15	360-24417-E-9-C	16 Sep 2009	13:42:10	1	1.1496
16	360-24417-A-10-N	16 Sep 2009	13:43:08	1	1.0338
17	360-24417-A-10-O MS	16 Sep 2009	13:44:06	1	2.5336
18	360-24417-A-10-P MSD	16 Sep 2009	13:45:05	1	3.1560
19	360-24417-E-11-C	16 Sep 2009	13:46:03	1	0.8169
20	360-24417-A-12-D	16 Sep 2009	13:47:02	1	1.5408
21	360-24417-A-13-E	16 Sep 2009	13:48:00	1	1.1909
22	360-24417-A-14-E	16 Sep 2009	13:48:58	1	0.0136
23	360-24417-A-15-E	16 Sep 2009	13:49:56	1	-0.0627
24	360-24417-E-16-B	16 Sep 2009	13:50:53	1	1.6620
25	ccv	16 Sep 2009	13:51:51	1	8.1080
26	ccb	16 Sep 2009	13:52:48	1	-0.1470

Ammonia Buffer=W09IRGT002; Sodium Phenolate=W09HRGT013; Sodium Nitroprusside=W09GRGT017; LCS=10 mg/L +/-15% (W08CSTK004). **ICV=LabChem 1000ppm Ammonia (as Nitrogen) Lot 6178-04; TV=10.0 MG/L =+/- 10%.

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 27 to 50

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (mg/L)
27	360-24424-A-2-B@2	16 Sep 2009	13:53:46	1	10.7635
28	MB 360-49024/1-A	16 Sep 2009	13:54:43	1	-0.0846
29	LCS 360-49024/2-A	16 Sep 2009	13:55:40	1	8.2621
30	360-24444-E-16-A	16 Sep 2009	13:56:38	1	-0.0531
31	360-24444-E-16-B MS	16 Sep 2009	13:57:36	1	9.6778
32	360-24444-E-16-C MSD	16 Sep 2009	13:58:34	1	9.3452
33	360-24444-A-1-E	16 Sep 2009	13:59:33	1	0.2699
34	360-24444-A-2-J	16 Sep 2009	14:02:43	1	-0.0942

Auto Sampler Error, Had to stop run and continue. AH 9-16-09

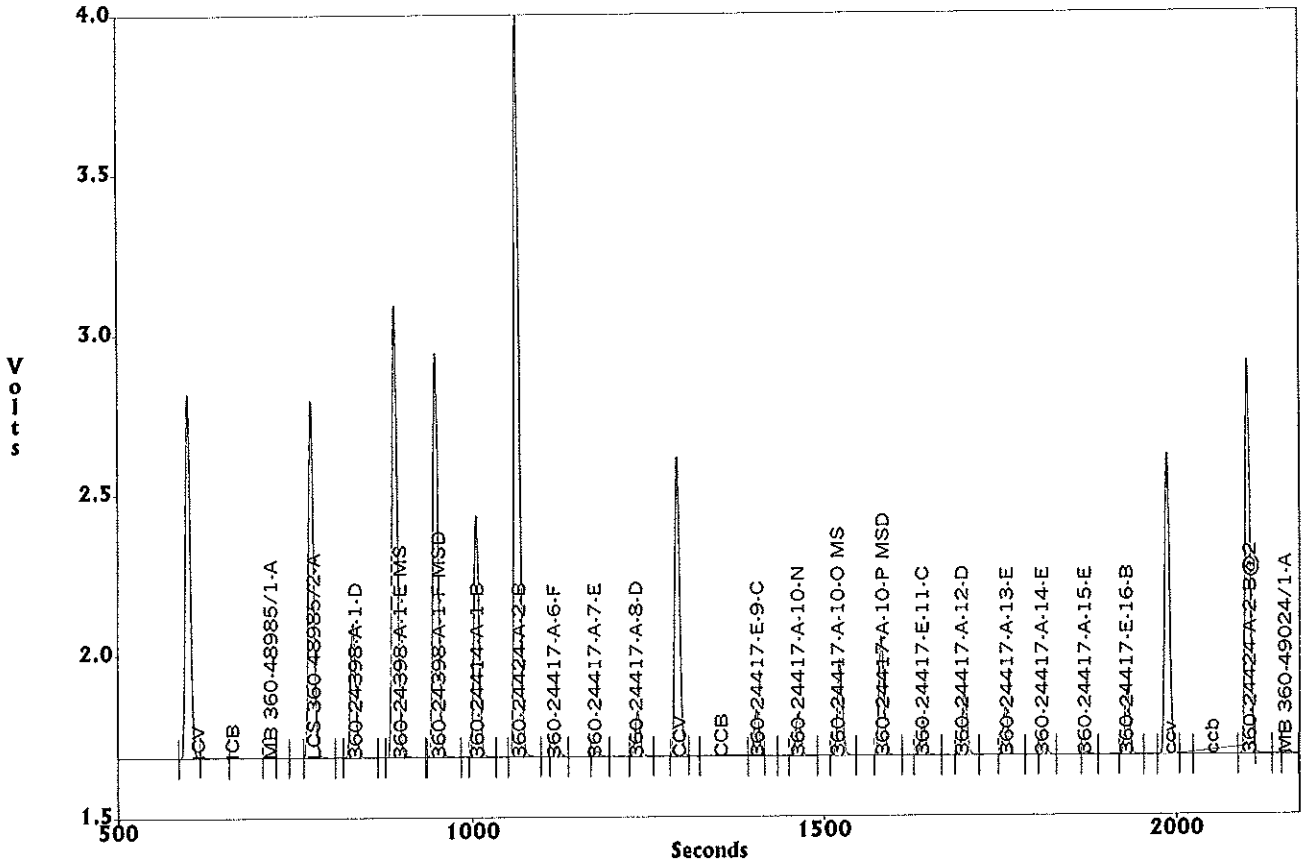
RH 9-16-09

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 51 to 75

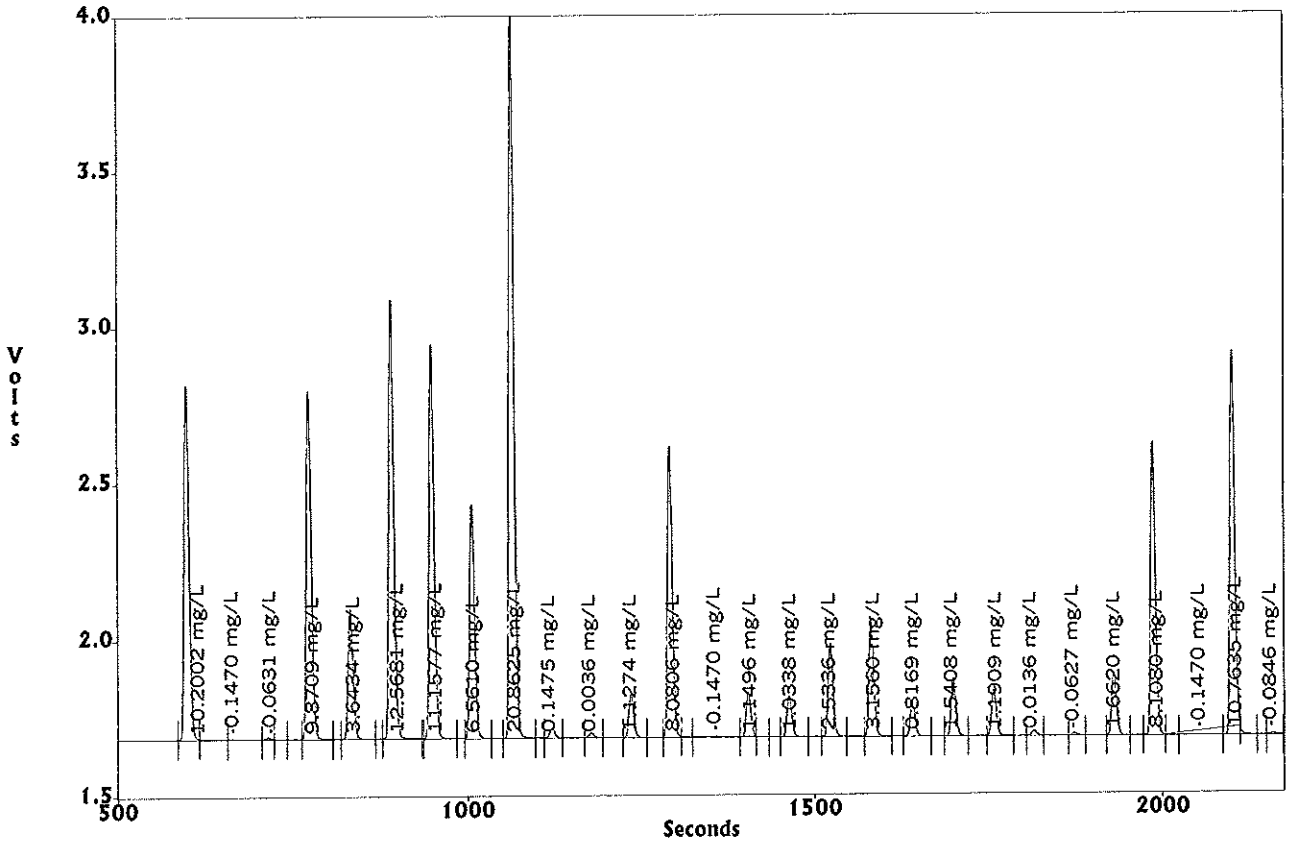
Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
NO SAMPLE INFO FOR THE SELECTED CUP RANGE					

AM
9-16-09

Channel 1 - Ammonia



Channel 1 - Ammonia



OPERATOR:	lalashius
ACQ. TIME:	Sep 16, 2009 13:20:12
DATA FILENAME:	C:\OMNION\DATA\2009\091609B.FDT
TRAY FILENAME:	C:\OMNION\TRAYS\NH3\2009\091609.TRA

AMMONIA STANDARD CREATION SUMMARY

Date Made: 09/09/2009 Date Expires: 10/09/2009

Standard Conc. (mg/L):	20;	8;	2;	1;	0.5;	0.1
mLs of 100 mg/L NH3 INT STD:	20;	16;	2;	1;	0.5;	0.1
Final Vol (mLs) w/ MilliQ:	100;	200;	100;	100;	100;	100

100 mg/L NH3 INT STD: 10.0 mL of W08CSTK004 diluted to 100mL

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 101 to 130

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
NO SAMPLE INFO FOR THE SELECTED CUP RANGE					

AH
9-16-09

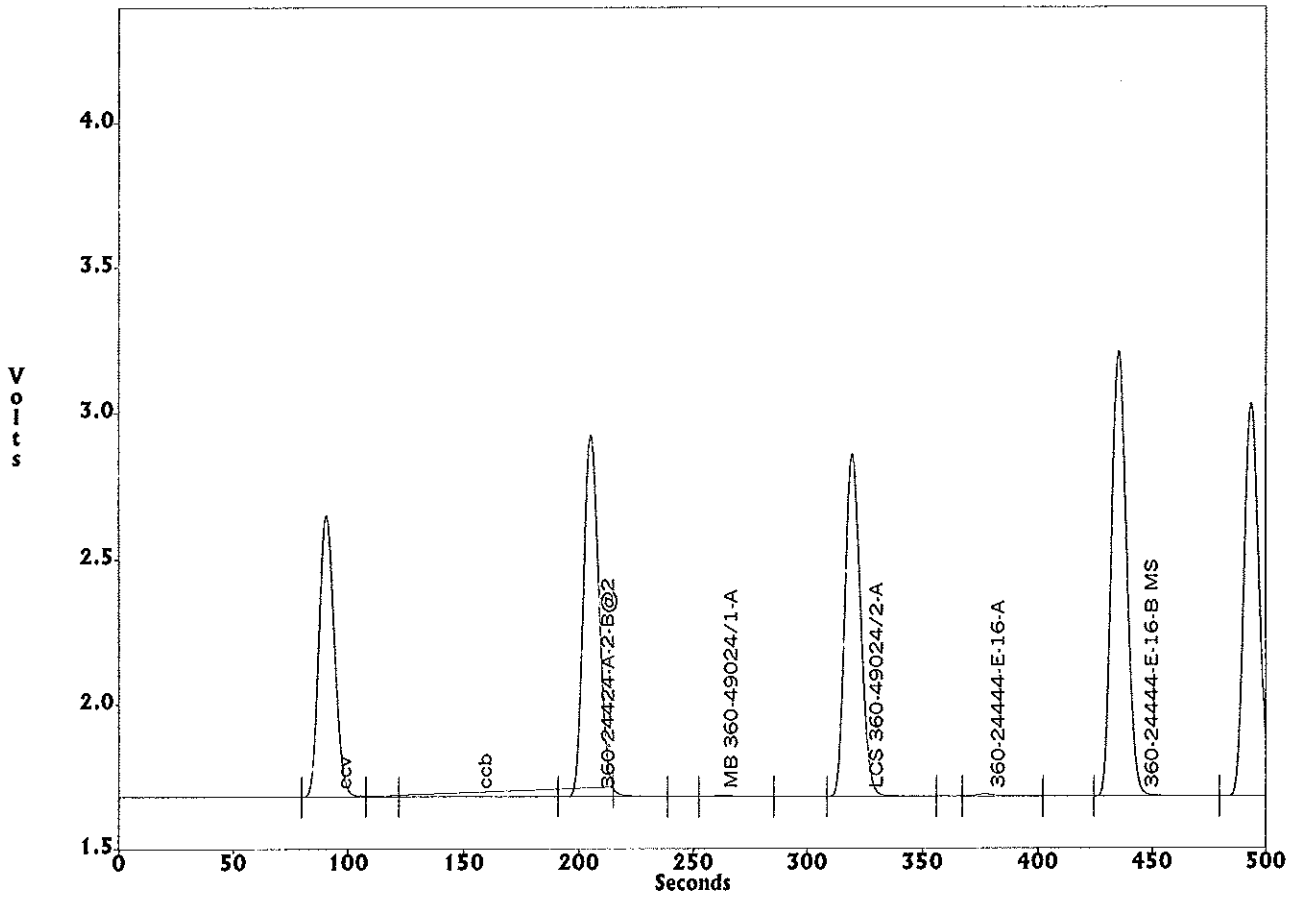
OPERATOR:	lalashius
ACQ. TIME:	Sep 16, 2009 14:18:05
DATA FILENAME:	C:\OMNION\DATA\2009\091609BA.FDT
METHOD FILENAME:	C:\OMNION\METHODS\NH3.MET
TRAY FILENAME:	C:\OMNION\TRAYS\NH3\2009\091609A.TRA

TRAY DESCRIPTION:	
Created:	Sep 16, 2009 14:07:53
Modified:	Sep 16, 2009 14:28:09

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 90

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
NO SAMPLE INFO FOR THE SELECTED CUP RANGE					

Channel 1 - Ammonia



OPERATOR: lalashius
DATA FILENAME: C:\OMNION\DATA\2009\091609BA.FDT
METHOD FILENAME: C:\OMNION\METHODS\NH3.MET
TRAY FILENAME: C:\OMNION\TRAYS\NH3\2009\091609A.TRA

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 26

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (mg/L)
25	ccv	16 Sep 2009	14:18:07	1	8.1837
26	ccb	16 Sep 2009	14:19:05	1	-0.1470

Ammonia Buffer=W09IRGT002; Sodium Phenolate=W09HRGT013; Sodium Nitroprusside=W09GRGT017; LCS=10 mg/L +/-15% (W08CSTK004). **ICV=LabChem 1000ppm Ammonia (as Nitrogen) Lot 6178-04; TV=10.0 MG/L =+/- 10%.

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 27 to 50

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (mg/L)
27	360-24424-A-2-B@2	16 Sep 2009	14:20:02	1	10.6444
28	MB 360-49024/1-A	16 Sep 2009	14:20:59	1	-0.0810
29	LCS 360-49024/2-A	16 Sep 2009	14:21:57	1	9.9509
30	360-24444-E-16-A	16 Sep 2009	14:22:54	1	-0.0525
31	360-24444-E-16-B MS	16 Sep 2009	14:23:52	1	12.7042
31	360-24444-E-16-B MS	16 Sep 2009	14:44:14	1	12.7499
32	360-24444-E-16-C MSD	16 Sep 2009	14:24:51	1	11.1566
33	360-24444-A-1-E	16 Sep 2009	14:25:49	1	0.2771
34	360-24444-A-2-J	16 Sep 2009	14:26:48	1	0.2266
35	360-24444-A-2-K MS	16 Sep 2009	14:27:46	1	8.1876
36	360-24444-A-2-L MSD	16 Sep 2009	14:28:44	1	9.6679
37	ccv	16 Sep 2009	14:29:43	1	8.0259
38	ccb	16 Sep 2009	14:30:41	1	-0.1470
39	360-24444-A-3-E	16 Sep 2009	14:31:38	1	0.1072
40	360-24444-A-4-C	16 Sep 2009	14:32:36	1	2.5292
41	360-24444-A-5-E	16 Sep 2009	14:33:33	1	0.4996
42	360-24444-A-7-D	16 Sep 2009	14:34:30	1	1.5454
43	360-24444-A-8-F	16 Sep 2009	14:35:28	1	-0.0028
44	360-24444-A-9-N	16 Sep 2009	14:36:25	1	-0.0092
45	360-24444-A-9-O MS	16 Sep 2009	14:37:22	1	9.5656
46	360-24444-A-9-P MSD	16 Sep 2009	14:38:22	1	9.7322
47	360-24444-A-12-G	16 Sep 2009	14:39:21	1	0.2756
48	360-24444-A-13-D	16 Sep 2009	14:40:20	1	3.4442
49	ccv	16 Sep 2009	14:41:18	1	7.9136
50	ccb	16 Sep 2009	14:42:16	1	-0.1076

MS Repeat to confirm out of range value originally obtained (127% recovery).
RWE 9-16-09

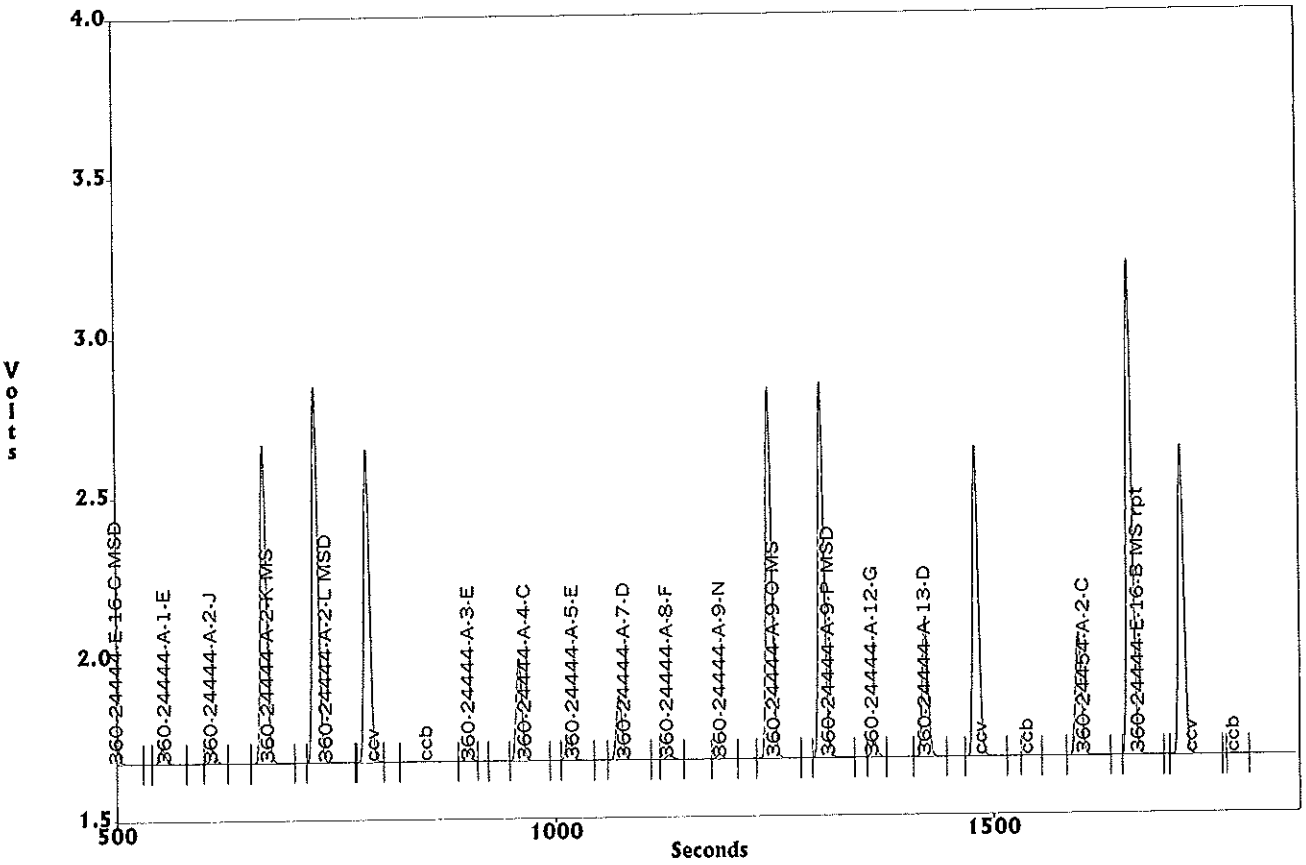
RWE 9-16-09

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 51 to 75

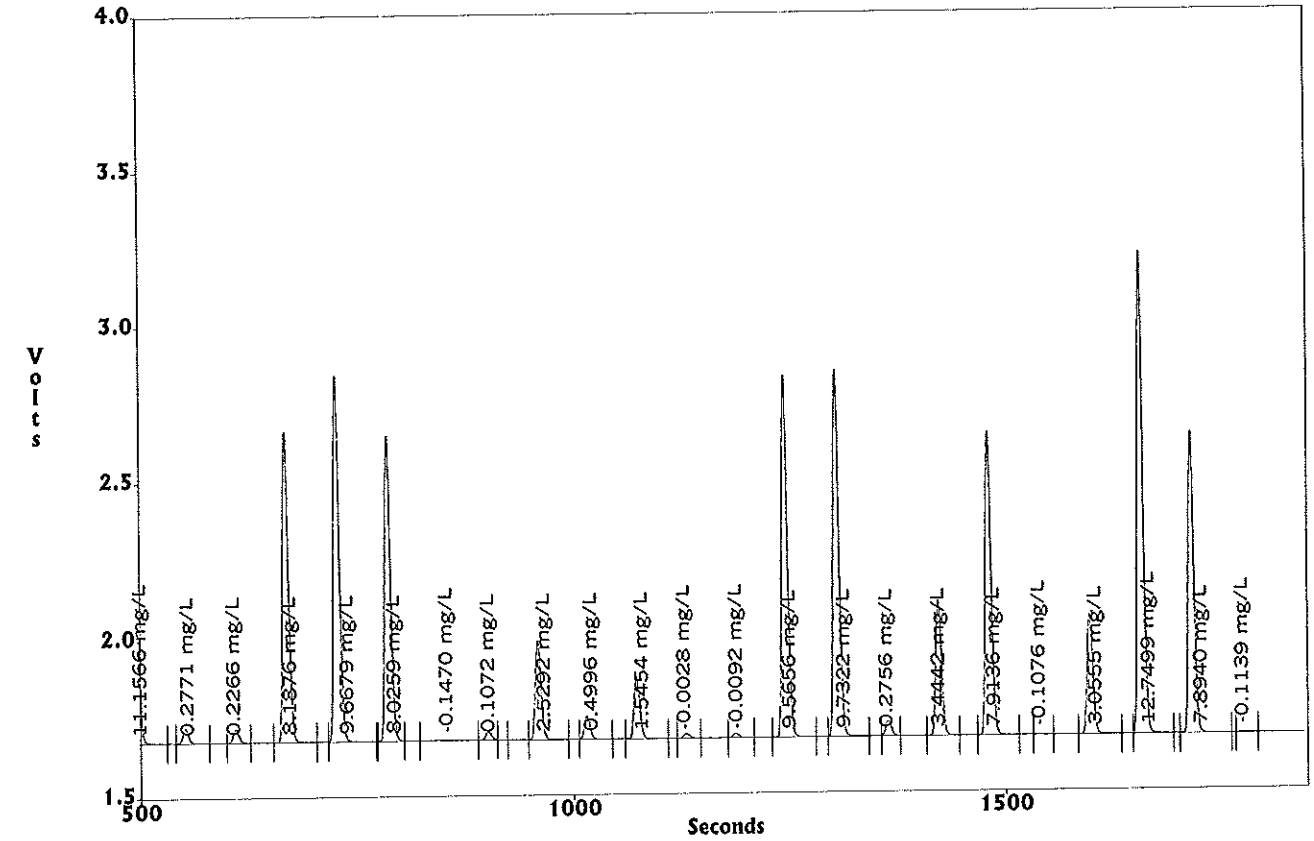
Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (mg/L)
51	360-24454-A-2-C	16 Sep 2009	14:43:15	1	3.0555
61	ccv	16 Sep 2009	14:45:13	1	7.8940
62	ccb	16 Sep 2009	14:46:12	1	-0.1139

9-16-09

Channel 1 - Ammonia



Channel 1 - Ammonia



OPERATOR:	lalashius
ACQ. TIME:	Sep 16, 2009 14:18:05
DATA FILENAME:	C:\OMNION\DATA\2009\091609BA.FDT
TRAY FILENAME:	C:\OMNION\TRAYS\NH3\2009\091609A.TRA

AMMONIA STANDARD CREATION SUMMARY

Date Made: 09/09/2009 Date Expires: 10/09/2009

Standard Conc. (mg/L):	20;	8;	2;	1;	0.5;	0.1
mLs of 100 mg/L NH3 INT STD:	20;	16;	2;	1;	0.5;	0.1
Final Vol (mLs) w/ MilliQ:	100;	200;	100;	100;	100;	100

100 mg/L NH3 INT STD: 10.0 mL of W08CSTK004 diluted to 100mL

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 101 to 130

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	Ammonia (uv-s)
NO SAMPLE INFO FOR THE SELECTED CUP RANGE					

9-16-09

Review Analyte Calibration

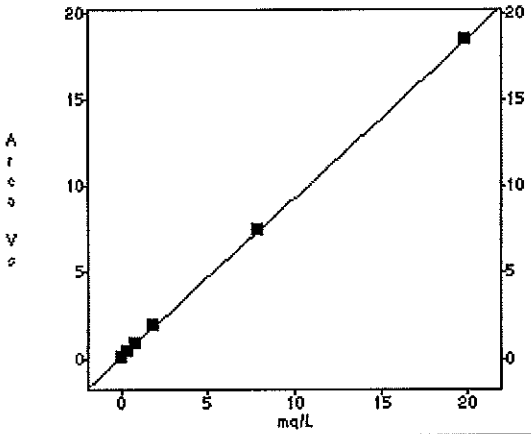
Exit! Update! Fit Scale Graph Print Help

Ammonia

Level	Area	mg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Re %R
1	18558990	20	18558990					0.0	
2	7556685	8	7556685					0.0	
3	2009120	2	2009120					0.0	
4	1021050	1	1021050					0.0	
5	570854	0.5	570854					0.0	

Analyte List

Ammonia



Scaling: None
Weighting: None
1st Order Poly
Conc = 1.084e-006 Area - 1.470e-001
r = 1.0000

Ready

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-48985

Analyst: Lalashius, Andrew L

Batch Open: 9/15/2009 11:30:00AM

Method Code: 360-Distill_Ammonia-360

Batch End:

Distillation, Ammonia

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~360-48985/1 N/A	N/A			50 mL	N/A	N/A	N/A		MB 360-48985/1-A
2	LCS~360-48985/2 N/A	N/A			50 mL	N/A	N/A	N/A		LCS 360-48985/2-A
3	360-24398-A-1 (LACH_107_06_1_B)	N/A	Water		50 mL	9/16/09	9_Days - R	1		360-24398-A-1-D
4	360-24398-A-1~MS (LACH_107_06_1_B)	N/A	Water		50 mL	9/16/09	9_Days - R	1		360-24398-A-1-E MS
5	360-24398-A-1~MSD (LACH_107_06_1_B)	N/A	Water		50 mL	9/16/09	9_Days - R	1		360-24398-A-1-F MSD
6	360-24414-A-1 (LACH_107_06_1_B)	N/A	Water		50 mL	9/16/09	9_Days - R	1		360-24414-A-1-B
7	360-24424-A-2 (LACH_107_06_1_B)	N/A	Water		50 mL	9/17/09	9_Days - R	1		360-24424-A-2-B

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-48986

Analyst: Lalashius, Andrew L

Batch Open: 9/15/2009 11:30:00AM

Method Code: 360-Distill_Ammonia-360

Batch End:

Distillation, Ammonia

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~360-48986/1 N/A	N/A			50 mL	N/A	N/A	N/A		MB 360-48986/1-A
2	LCS~360-48986/2 N/A	N/A			50 mL	N/A	N/A	N/A		LCS 360-48986/2-A
3	360-24417-A-6 (LACH_107_06_1_B)	OCRI-10	Solid	0.80 g	50 mL	9/16/09	9_Days - R	4		360-24417-A-6-F
4	360-24417-A-7 (LACH_107_06_1_B)	OCRI-10	Solid	0.79 g	50 mL	9/16/09	9_Days - R	4		360-24417-A-7-E
5	360-24417-A-8 (LACH_107_06_1_B)	OCRI-10	Solid	0.79 g	50 mL	9/16/09	9_Days - R	4		360-24417-A-8-D
6	360-24417-E-9 (LACH_107_06_1_B)	OCRI-10	Solid	0.83 g	50 mL	9/16/09	9_Days - R	4		360-24417-E-9-C
7	360-24417-A-10 (LACH_107_06_1_B)	OCRI-10	Solid	0.78 g	50 mL	9/16/09	9_Days - R	4		360-24417-A-10-N
8	360-24417-A-10~MS (LACH_107_06_1_B)	OCRI-10	Solid	0.74 g	50 mL	9/16/09	9_Days - R	4		360-24417-A-10-O MS
9	360-24417-A-10~MSD (LACH_107_06_1_B)	OCRI-10	Solid	0.87 g	50 mL	9/16/09	9_Days - R	4		360-24417-A-10-P MSD
10	360-24417-E-11 (LACH_107_06_1_B)	OCRI-10	Solid	0.85 g	50 mL	9/16/09	9_Days - R	4		360-24417-E-11-C
11	360-24417-A-12 (LACH_107_06_1_B)	OCRI-10	Solid	0.94 g	50 mL	9/16/09	9_Days - R	4		360-24417-A-12-D
12	360-24417-A-13 (LACH_107_06_1_B)	OCRI-10	Solid	0.74 g	50 mL	9/16/09	9_Days - R	4		360-24417-A-13-E
13	360-24417-A-14 (LACH_107_06_1_B)	OCRI-10	Solid	0.80 g	50 mL	9/16/09	9_Days - R	4		360-24417-A-14-E
14	360-24417-A-15 (LACH_107_06_1_B)	OCRI-10	Solid	0.97 g	50 mL	9/16/09	9_Days - R	4		360-24417-A-15-E
15	360-24417-E-16 (LACH_107_06_1_B)	OCRI-10	Solid	0.90 g	50 mL	9/16/09	9_Days - R	4		360-24417-E-16-B

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09/30/2009

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-48986 | Analyst: Lalashius, Andrew L | Batch Open: 9/15/2009 11:30:00AM

Method Code: 360-Distill_Ammonia-360 | Batch End:

Batch Notes

Acid used for pH adjustment

Base used for pH adjustment

Batch Comment

Buffer Lot #

Buffer Reagent ID Number

Distillation End Time

Distilliation Unit ID

Distillation Start Time

Distillation Temperature

Sulfuric Acid Lot Number

NaOH Lot #

Sulfuric Acid Reagent ID Number

Temperature

Comments

Login Comments for Job 24417: MCP/Level 4/client needs executive summary page in all reports.
Diphenylamine on 4-16

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-48986 | Analyst: Lalashius, Andrew L | Batch Open: 9/15/2009 11:30:00AM

Method Code: 360-Distill_Ammonia-360 | Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-48986/2	W08CSTK004_00001	500 uL	50 mL		
360-24417-A-10 MS	W08CSTK004_00001	500 uL	50 mL		
360-24417-A-10 MSD	W08CSTK004_00001	500 uL	50 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49024 | Analyst: Lalashius, Andrew L | Batch Open: 9/16/2009 12:40:00PM

Method Code: 360-Distill_Ammonia-360 | Batch End:

Distillation, Ammonia

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~360-49024/1 N/A	N/A			50 mL	N/A	N/A	N/A		MB 360-49024/1-A
2	LCS~360-49024/2 N/A	N/A			50 mL	N/A	N/A	N/A		LCS 360-49024/2-A
3	360-24444-E-16 (LACH_107_06_1_B)	OCRI-11	Water		50 mL	9/17/09	9_Days - R	4		360-24444-E-16-A
4	360-24444-E-16~MS (LACH_107_06_1_B)	OCRI-11	Water		50 mL	9/17/09	9_Days - R	4		360-24444-E-16-B MS
5	360-24444-E-16~MSD (LACH_107_06_1_B)	OCRI-11	Water		50 mL	9/17/09	9_Days - R	4		360-24444-E-16-C MSD
6	N/A	N/A				N/A	N/A	N/A		
7	N/A	N/A				N/A	N/A	N/A		
8	N/A	N/A				N/A	N/A	N/A		
9	N/A	N/A				N/A	N/A	N/A		
10	N/A	N/A				N/A	N/A	N/A		
11	N/A	N/A				N/A	N/A	N/A		
12	N/A	N/A				N/A	N/A	N/A		
13	N/A	N/A				N/A	N/A	N/A		
14	N/A	N/A				N/A	N/A	N/A		
15	N/A	N/A				N/A	N/A	N/A		

Page 1817 of 1848
09/30/2009

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49024 Analyst: Lalashius, Andrew L Batch Open: 9/16/2009 12:40:00PM

Method Code: 360-Distill_Ammonia-360 Batch End:

16	N/A	N/A				N/A	N/A	N/A		
17	N/A	N/A				N/A	N/A	N/A		
18	N/A	N/A				N/A	N/A	N/A		
19	N/A	N/A				N/A	N/A	N/A		
20	N/A	N/A				N/A	N/A	N/A		

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49024

Method Code: 360-Distill_Ammonia-360

Analyst: Lalashius, Andrew L

Batch Open: 9/16/2009 12:40:00PM

Batch End:

Batch Notes

Acid used for pH adjustment

Base used for pH adjustment

Batch Comment

Buffer Lot #

Buffer Reagent ID Number

Distillation End Time

Distilliation Unit ID

Distillation Start Time

Distillation Temperature

Sulfuric Acid Lot Number

NaOH Lot #

Sulfuric Acid Reagent ID Number

Temperature

Comments

Login Comments for Job 24444: MCP/Level 4/client needs executive summary page in all reports.
Diphenylamine - 1, 2, 12, 13

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49024
Method Code: 360-Distill_Ammonia-360

Analyst: Lalashius, Andrew L

Batch Open: 9/16/2009 12:40:00PM
Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-49024/2	W08CSTK004_00001	500 uL	50 mL		
360-24444-E-16 MS	W08CSTK004_00001	500 uL	50 mL		
360-24444-E-16 MSD	W08CSTK004_00001	500 uL	50 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49025 | Analyst: Lalashius, Andrew L | Batch Open: 9/16/2009 12:40:00PM

Method Code: 360-Distill_Ammonia-360 | Batch End:

Distillation, Ammonia

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~360-49025/1 N/A	N/A			50 mL	N/A	N/A	N/A		MB 360-49025/1-A
2	LCS~360-49025/2 N/A	N/A			50 mL	N/A	N/A	N/A		LCS 360-49025/2-A
3	360-24444-A-1 (LACH_107_06_1_B)	OCRI-11	Solid	0.75 mL	50 mL	9/17/09	9_Days - R	4		360-24444-A-1-E
4	360-24444-A-2 (LACH_107_06_1_B)	OCRI-11	Solid	0.72 mL	50 mL	9/17/09	9_Days - R	4		360-24444-A-2-J
5	360-24444-A-2~MS (LACH_107_06_1_B)	OCRI-11	Solid	0.88 mL	50 mL	9/17/09	9_Days - R	4		360-24444-A-2-K MS
6	360-24444-A-2~MSD (LACH_107_06_1_B)	OCRI-11	Solid	0.82 mL	50 mL	9/17/09	9_Days - R	4		360-24444-A-2-L MSD
7	360-24444-A-3 (LACH_107_06_1_B)	OCRI-11	Solid	0.79 mL	50 mL	9/17/09	9_Days - R	4		360-24444-A-3-E
8	360-24444-A-4 (LACH_107_06_1_B)	OCRI-11	Solid	0.75 mL	50 mL	9/17/09	9_Days - R	4		360-24444-A-4-C
9	360-24444-A-5 (LACH_107_06_1_B)	OCRI-11	Solid	0.80 mL	50 mL	9/17/09	9_Days - R	4		360-24444-A-5-E
10	360-24444-A-7 (LACH_107_06_1_B)	OCRI-11	Solid	0.86 mL	50 mL	9/17/09	9_Days - R	4		360-24444-A-7-D
11	360-24444-A-8 (LACH_107_06_1_B)	OCRI-11	Solid	0.84 mL	50 mL	9/17/09	9_Days - R	4		360-24444-A-8-F
12	360-24444-A-9 (LACH_107_06_1_B)	OCRI-11	Solid	0.75 mL	50 mL	9/17/09	9_Days - R	4		360-24444-A-9-N
13	360-24444-A-9~MS (LACH_107_06_1_B)	OCRI-11	Solid	0.89 mL	50 mL	9/17/09	9_Days - R	4		360-24444-A-9-O MS
14	360-24444-A-9~MSD (LACH_107_06_1_B)	OCRI-11	Solid	0.90 mL	50 mL	9/17/09	9_Days - R	4		360-24444-A-9-P MSD
15	360-24444-A-12 (LACH_107_06_1_B)	OCRI-11	Solid	0.76 mL	50 mL	9/17/09	9_Days - R	4		360-24444-A-12-G

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09/30/2009

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49025 Analyst: Lalashius, Andrew L Batch Open: 9/16/2009 12:40:00PM

Method Code: 360-Distill_Ammonia-360 Batch End:

16	360-24444-A-13 (LACH_107_06_1_B)	OCRI-11	Solid	0.85 mL	50 mL	9/17/09	9_Days - R	4		360-24444-A-13-D
17	360-24454-A-2 (LACH_107_06_1_B)	OCRI-12	Solid	0.78 mL	50 mL	9/18/09	9_Days - R	4		360-24454-A-2-C

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49025 | Analyst: Lalashius, Andrew L | Batch Open: 9/16/2009 12:40:00PM

Method Code: 360-Distill_Ammonia-360 | Batch End:

Batch Notes

Acid used for pH adjustment	
Base used for pH adjustment	
Batch Comment	
Buffer Lot #	
Buffer Reagent ID Number	
Distillation End Time	
Distilliation Unit ID	
Distillation Start Time	
Distillation Temperature	
Sulfuric Acid Lot Number	
NaOH Lot #	
Sulfuric Acid Reagent ID Number	
Temperature	

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49025 | Analyst: Lalashius, Andrew L | Batch Open: 9/16/2009 12:40:00PM

Method Code: 360-Distill_Ammonia-360 | Batch End:

Comments

Login Comments for Job 24444: MCP/Level 4/client needs executive summary page in all reports.
Diphenylamine - 1, 2, 12, 13

Login Comments for Job 24454: MCP/Level 4/client needs executive summary page in all reports.
DPA - for samples 7,8,9 and 18

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 360-49025 Analyst: Lalashius, Andrew L Batch Open: 9/16/2009 12:40:00PM

Method Code: 360-Distill_Ammonia-360 Batch End:

Reagent Additions Worksheet

Lab ID	Reagent Code	Amount Added	Final Amount	By	Witness
LCS 360-49025/2	W08CSTK004_00001	500 uL	50 mL		
360-24444-A-2 MS	W08CSTK004_00001	500 uL	50 mL		
360-24444-A-2 MSD	W08CSTK004_00001	500 uL	50 mL		
360-24444-A-9 MS	W08CSTK004_00001	500 uL	50 mL		
360-24444-A-9 MSD	W08CSTK004_00001	500 uL	50 mL		

Other Reagents:

Reagent	Amount/Units	Lot#:

Easy-DIST Distillation Log

Analyst Initials: AH

Date: 9-15-09

Applicable Methods = Total Cyanide, PAC, Ammonia and Phenol

Tube #	Run #1 Method = NH_3 Temperature = 210 Start Time = 1130 Stop Time = 1243	Run #2 Method = PAC Temperature = 78 Start Time = 1400 Stop Time = 1500	Run #3 Method = Temperature = Start Time = Stop Time =	PAC Use Only: Temp & Flow (15 min)	Temp & Flow (30 min)	Temp & Flow (45 min)	Temp & Flow (60 min)	Final pH	Sulfide? (Y/N)
X	Sample IDs	Sample IDs	Sample IDs						
1	MB	MB		78°C	79°C	78°C	80°C	<2	N
2	~~AH~~ LCS	LCS		400 mmHg	400 mmHg	400 mmHg	400 mmHg		
3	24398A1	LCSD							
4	1MS	ICV							
5	1MSD	Pruss. Blue							
6	24414A1	24590A1 0.83g							
7	24424A2	1MS 0.82g							
8	24417A6 0.80g	1MSD 0.78g							
9	A7 0.79g								
10	A8 0.79g								
11	E9 0.83g								
12	A10 0.78g								
13	A10MS 0.74g								
14	A10MSD 0.87g								
15	E11 0.85g								
16	A12 0.94g								
17	E13 0.74g								
18	A14 0.80g								
19	A15 0.97g								
20	E16 0.90g								

AH 9-15-09

AH 9-15-09

AH 9-15-09

Easy-DIST Distillation Log

Analyst Initials: AH

Date: 9-16-09

Applicable Methods = Total Cyanide, PAC, Ammonia and Phenol

Tube #	Run #1 Method = CN Temperature = 180 Start Time = 0851 Stop Time = 1000	Run #2 Method = NH3 Temperature = 210 Start Time = 1240 Stop Time = 1339	Run #3 Method = Temperature = Start Time = Stop Time =	PAC Use Only: Temp & Flow (15 min)	Temp & Flow (30 min)	Temp & Flow (45 min)	Temp & Flow (60 min)	Final pH	Sulfide? (Y/N)
X	Sample IDs	Sample IDs	Sample IDs						
1	MB	MB							
2	LCS	LCS							
3	24551B1	24444E16							
4	1MS	E16MS							
5	1MSD	E16MSD							
6	24521B1	24444A1 0.75g							
7	24485A2	A2 0.72g							
8		A2MS 0.88g							
9		A2MSD 0.82g							
10		A3 0.79g							
11		A4 0.75g							
12		A5 0.80g							
13		A7 0.86g							
14		A8 0.84g							
15		A9 0.75g							
16		A9MS 0.89g							
17		A9MSD 0.90g							
18		A12 0.76g							
19		A13 0.85g							
20		24454A2 0.78g							

9-16-09

9-16-09

General Chemistry Worksheet

Batch Number: 360-48551
Method: Moisture
Analyst: Burton, Teresa F

Date Open: Sep 03 2009 11:45AM
Batch End: Sep 04 2009 7:00AM

Lab ID	Client ID	Method Chain	Basis	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
360-24420-A-1	Waste Characterization		T	0.96 g	7.08 g	6.87 g
360-24420-A-1~DU			T	0.99 g	8.69 g	8.47 g
360-24365-A-20	OC-PE-SS1039-SVOC		T	1.00 g	10.00 g	10.00 g
360-24365-A-21	OC-PE-TT2488-PCB		T	1.00 g	10.00 g	10.00 g
360-24365-A-22	OC-SB-PE-VS0355-VOC		T	1.00 g	10.00 g	10.00 g
360-24395-A-1	SB1 5-10		T	0.98 g	6.76 g	5.39 g
360-24395-A-2	SB2 5-10		T	0.99 g	7.31 g	6.59 g
360-24395-A-3	SB3 10-121/2		T	0.99 g	6.60 g	6.07 g
360-24395-A-4	SB4 5-10		T	0.98 g	4.85 g	4.30 g
360-24395-A-5	SB5 5-10		T	0.96 g	6.05 g	5.57 g
360-24417-A-1	OC-SB-463-0.0/1.0-XXX	Moisture	T	0.98 g	6.51 g	6.30 g
360-24417-A-2	OC-SB-463-28/30-XXX	Moisture	T	0.99 g	7.64 g	7.03 g
360-24417-A-3	OC-SB-463-6.0/8.0-XXX	Moisture	T	1.00 g	6.34 g	5.49 g
360-24417-A-4	OC-SB-464-0.0/1.0-XXX	Moisture	T	0.96 g	6.41 g	6.09 g
360-24417-A-5	OC-SB-464-26/28-XXX	Moisture	T	0.97 g	5.12 g	4.81 g
360-24417-A-6	OC-SB-464-5.0/7.0-XXX	Moisture	T	0.98 g	6.06 g	5.44 g
360-24417-A-7	OC-SB-465-0.0/1.0-XXX	Moisture	T	0.98 g	5.78 g	5.54 g
360-24417-A-8	OC-SB-465-16/18-XXX	Moisture	T	0.98 g	5.55 g	5.11 g
360-24417-A-9	OC-SB-465-8.0/10-DUP	Moisture	T	0.97 g	5.93 g	5.38 g
360-24417-A-10	OC-SB-465-8.0/10-XXX	Moisture	T	0.97 g	6.35 g	5.73 g
360-24417-A-10~MS	OC-SB-465-8.0/10-XMS	Moisture	T	0.97 g	6.35 g	5.73 g
360-24417-A-10~MSD	OC-SB-465-8.0/10-MSD	Moisture	T	0.97 g	6.35 g	5.73 g
360-24417-A-11	OC-SB-468-0.0/1.0-XXX	Moisture	T	0.99 g	5.97 g	5.31 g
360-24417-A-11~DU		Moisture	T	0.97 g	5.79 g	5.13 g
360-24417-A-12	OC-SB-468-31/33-XXX	Moisture	T	0.97 g	6.79 g	6.36 g

General Chemistry Worksheet

Batch Number: 360-48551
Method: Moisture
Analyst: Burton, Teresa F

Date Open: Sep 03 2009 11:45AM
Batch End: Sep 04 2009 7:00AM

Lab ID	Client ID	Method Chain	Basis	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
360-24417-A-13	OC-SB-468-8.0/10-XXX	Moisture	T	0.99 g	5.90 g	5.27 g
360-24417-A-14	OC-SB-471-0.0/1.0-XXX	Moisture	T	0.99 g	6.42 g	5.97 g
360-24417-A-15	OC-SB-471-3.0/5.0-XXX	Moisture	T	0.98 g	8.87 g	7.38 g
360-24417-A-16	OC-SB-471-26/28-XXX	Moisture	T	1.00 g	6.26 g	5.84 g

General Chemistry Worksheet

Batch Number: 360-48727
Method: Lloyd Kahn
Analyst: Emerich, Rich W

Date Open: Sep 08 2009 10:39AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	W03JSTK003_00003
MB~360-48727/1		Lloyd Kahn		
LCS~360-48727/2		Lloyd Kahn		10 ug
LCSD~360-48727/3		Lloyd Kahn		10 ug
360-24417-H-7	OC-SB-465-0.0/1.0-XXX	Lloyd Kahn	T	
360-24417-H-8	OC-SB-465-16/18-XXX	Lloyd Kahn	T	
360-24417-H-9	OC-SB-465-8.0/10-DUP	Lloyd Kahn	T	
360-24417-H-10	OC-SB-465-8.0/10-XXX	Lloyd Kahn	T	
360-24444-A-1	OC-SB-459-6.0/8.0-DUP		T	
360-24444-A-2	OC-SB-459-6.0/8.0-XXX		T	
360-24444-E-12	OC-SB-459-0.0/1.0-XXX		T	
360-24444-A-13	OC-SB-459-26/28-XXX		T	

Metals Worksheet

Batch Number: 360-48905
Method: DI Leach
Analyst: Lalashius, Andrew L

Date Open: Sep 14 2009 9:30AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
MB~360-48905/1		DI Leach, 300.0			
LCS~360-48905/2		DI Leach, 300.0			
360-24417-A-1	OC-SB-463-0.0/1.0-XXX	DI Leach, 300.0	S	9.99 g	100 mL
360-24417-A-2	OC-SB-463-28/30-XXX	DI Leach, 300.0	S	10.14 g	100 mL
360-24417-A-3	OC-SB-463-6.0/8.0-XXX	DI Leach, 300.0	S	9.99 g	100 mL
360-24417-E-4	OC-SB-464-0.0/1.0-XXX	DI Leach, 300.0	S	10.20 g	100 mL
360-24417-E-5	OC-SB-464-26/28-XXX	DI Leach, 300.0	S	10.02 g	100 mL
360-24417-A-6	OC-SB-464-5.0/7.0-XXX	DI Leach, 300.0	S	10.07 g	100 mL
360-24417-A-7	OC-SB-465-0.0/1.0-XXX	DI Leach, 300.0	S	10.21 g	100 mL
360-24417-A-8	OC-SB-465-16/18-XXX	DI Leach, 300.0	S	10.11 g	100 mL
360-24417-E-9	OC-SB-465-8.0/10-DUP	DI Leach, 300.0	S	10.10 g	100 mL
360-24417-A-10	OC-SB-465-8.0/10-XXX	DI Leach, 300.0	S	10.04 g	100 mL
360-24417-A-10~MS	OC-SB-465-8.0/10-XMS	DI Leach, 300.0	S	10.04 g	100 mL
360-24417-A-10~MSD	OC-SB-465-8.0/10-MSD	DI Leach, 300.0	S	10.04 g	100 mL
360-24417-E-11	OC-SB-468-0.0/1.0-XXX	DI Leach, 300.0	S	10.23 g	100 mL
360-24417-A-12	OC-SB-468-31/33-XXX	DI Leach, 300.0	S	10.06 g	100 mL
360-24417-E-13	OC-SB-468-8.0/10-XXX	DI Leach, 300.0	S	10.08 g	100 mL
360-24417-A-14	OC-SB-471-0.0/1.0-XXX	DI Leach, 300.0	S	9.99 g	100 mL
360-24417-A-15	OC-SB-471-3.0/5.0-XXX	DI Leach, 300.0	S	10.19 g	100 mL
360-24417-E-16	OC-SB-471-26/28-XXX	DI Leach, 300.0	S	10.18 g	100 mL

General Chemistry Worksheet

Batch Number: 360-48918
Method: Distill/Ammonia
Analyst: Lalashius, Andrew L

Date Open: Sep 14 2009 11:26AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	W08CSTK004_00001
MB~360-48918/1		Distill/Ammonia, L107-06-1B			50 mL	
LCS~360-48918/2		Distill/Ammonia, L107-06-1B			50 mL	500 uL
360-24365-A-4	OC-SB-442-8.0/10-XXX		T	0.70 g	50 mL	
360-24365-A-4~MS	OC-SB-442-8.0/10-XMS		T	0.80 g	50 mL	500 uL
360-24365-A-4~MSD	OC-SB-442-8.0/10-MSD		T	0.78 g	50 mL	500 uL
360-24365-A-7	OC-SB-447-3.0/5.0-XXX		T	0.77 g	50 mL	
360-24365-A-8	OC-SB-452-0.0/1.0-XXX		T	0.85 g	50 mL	
360-24365-A-9	OC-SB-452-13/15-XXX		T	0.70 g	50 mL	
360-24365-A-10	OC-SB-452-5.0/7.0-XXX		T	0.98 g	50 mL	
360-24365-A-13	OC-SB-458-0.0/1.0-XXX		T	0.82 g	50 mL	
360-24365-A-14	OC-SB-458-22/24-XXX		T	0.66 g	50 mL	
360-24365-G-15	OC-SB-458-5.0/7.0-XXX		T	0.75 g	50 mL	
360-24365-A-16	OC-SB-460-0.0/1.0-XXX		T	0.91 g	50 mL	
360-24365-A-17	OC-SB-460-30/32-XXX		T	0.82 g	50 mL	
360-24365-A-18	OC-SB-460-5.5/7.5-XXX		T	0.90 g	50 mL	
360-24417-A-1	OC-SB-463-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.81 g	50 mL	
360-24417-A-2	OC-SB-463-28/30-XXX	Distill/Ammonia, L107-06-1B	T	0.71 g	50 mL	
360-24417-A-3	OC-SB-463-6.0/8.0-XXX	Distill/Ammonia, L107-06-1B	T	0.72 g	50 mL	
360-24417-E-4	OC-SB-464-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.76 g	50 mL	
360-24417-E-5	OC-SB-464-26/28-XXX	Distill/Ammonia, L107-06-1B	T	0.84 g	50 mL	

General Chemistry Worksheet

Batch Number: 360-48962
Method: 300.0
Analyst: Lalashius, Andrew L

Date Open: Sep 14 2009 3:04PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W09DSTK001_00001	W09HLCS001_00001	W9DICV001_00003
ICV~360-48962/1		300.0		10 mL			1 mL
ICB~360-48962/2		300.0					
MB~360-48905/1-A		300.0					
LCS~360-48905/2-A		300.0				10 mL	
360-24417-A-1-D	OC-SB-463-0.0/1.0-XXX	300.0	S				
360-24417-A-2-B	OC-SB-463-28/30-XXX	300.0	S				
360-24417-A-3-D	OC-SB-463-6.0/8.0-XXX	300.0	S				
360-24417-E-4-A	OC-SB-464-0.0/1.0-XXX	300.0	S				
360-24417-E-5-A	OC-SB-464-26/28-XXX	300.0	S				
360-24417-A-6-E	OC-SB-464-5.0/7.0-XXX	300.0	S				
360-24417-A-7-C	OC-SB-465-0.0/1.0-XXX	300.0	S				
360-24417-A-8-B	OC-SB-465-16/18-XXX	300.0	S				
360-24417-E-9-B	OC-SB-465-8.0/10-DUP	300.0	S				
360-24417-A-10-E	OC-SB-465-8.0/10-XXX	300.0	S				
CCV~360-48962/15		300.0				10 mL	
CCB~360-48962/16		300.0					
360-24417-A-10-F~MS	OC-SB-465-8.0/10-XMS	300.0	S	10 mL	100 uL		
360-24417-A-10-G~MSD	OC-SB-465-8.0/10-MSD	300.0	S	10 mL	100 uL		
360-24417-E-11-B	OC-SB-468-0.0/1.0-XXX	300.0	S				
360-24417-A-12-B	OC-SB-468-31/33-XXX	300.0	S				
360-24417-E-13-A	OC-SB-468-8.0/10-XXX	300.0	S				
360-24417-A-14-B	OC-SB-471-0.0/1.0-XXX	300.0	S				
360-24417-A-15-B	OC-SB-471-3.0/5.0-XXX	300.0	S				
360-24417-E-16-A	OC-SB-471-26/28-XXX	300.0	S				
CCV~360-48962/25		300.0				10 mL	

General Chemistry Worksheet

Batch Number: 360-48962
Method: 300.0
Analyst: Lalashius, Andrew L

Date Open: Sep 14 2009 3:04PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W09DSTK001_00001	W09HLCS001_00001	W9DICV001_00003
CCB~360-48962/26		300.0					

General Chemistry Worksheet

Batch Number: 360-48967
Method: L107-06-1B
Analyst: Lalashius, Andrew L

Date Open: Sep 15 2009 9:14AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W08CSTK004_00001	W08GSTK002_00001
ICV~360-48967/1		L107-06-1B		10 mL		82 uL
ICB~360-48967/2		L107-06-1B				
MB~360-48918/1-A		L107-06-1B				
LCS~360-48918/2-A		L107-06-1B				
360-24365-A-4-S	OC-SB-442-8.0/10-XXX		T			
360-24365-A-4-T~MS	OC-SB-442-8.0/10-XMS		T			
360-24365-A-4-U~MSD	OC-SB-442-8.0/10-MSD		T			
360-24365-A-7-H	OC-SB-447-3.0/5.0-XXX		T			
360-24365-A-8-G	OC-SB-452-0.0/1.0-XXX		T			
360-24365-A-9-D	OC-SB-452-13/15-XXX		T			
360-24365-A-10-G	OC-SB-452-5.0/7.0-XXX		T			
360-24365-A-13-G	OC-SB-458-0.0/1.0-XXX		T			
CCV~360-48967/13		L107-06-1B		10 mL	80 uL	
CCB~360-48967/14		L107-06-1B				
360-24365-A-14-D	OC-SB-458-22/24-XXX		T			
360-24365-G-15-B	OC-SB-458-5.0/7.0-XXX		T			
360-24365-A-16-F	OC-SB-460-0.0/1.0-XXX		T			
360-24365-A-17-C	OC-SB-460-30/32-XXX		T			
360-24365-A-18-F	OC-SB-460-5.5/7.5-XXX		T			
360-24417-A-1-E	OC-SB-463-0.0/1.0-XXX	L107-06-1B	T			
360-24417-A-2-C	OC-SB-463-28/30-XXX	L107-06-1B	T			
360-24417-A-3-E	OC-SB-463-6.0/8.0-XXX	L107-06-1B	T			
360-24417-E-4-B	OC-SB-464-0.0/1.0-XXX	L107-06-1B	T			
360-24417-E-5-B	OC-SB-464-26/28-XXX	L107-06-1B	T			
CCV~360-48967/25		L107-06-1B		10 mL	80 uL	

General Chemistry Worksheet

Batch Number: 360-48967
Method: L107-06-1B
Analyst: Lalashius, Andrew L

Date Open: Sep 15 2009 9:14AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W08CSTK004_00001	W08GSTK002_00001
CCB~360-48967/26		L107-06-1B				

General Chemistry Worksheet

Batch Number: 360-48986
Method: Distill/Ammonia
Analyst: Lalashius, Andrew L

Date Open: Sep 15 2009 11:30AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	W08CSTK004_00001
MB~360-48986/1		Distill/Ammonia, L107-06-1B			50 mL	
LCS~360-48986/2		Distill/Ammonia, L107-06-1B			50 mL	500 uL
360-24417-A-6	OC-SB-464-5.0/7.0-XXX	Distill/Ammonia, L107-06-1B	T	0.80 g	50 mL	
360-24417-A-7	OC-SB-465-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.79 g	50 mL	
360-24417-A-8	OC-SB-465-16/18-XXX	Distill/Ammonia, L107-06-1B	T	0.79 g	50 mL	
360-24417-E-9	OC-SB-465-8.0/10-DUP	Distill/Ammonia, L107-06-1B	T	0.83 g	50 mL	
360-24417-A-10	OC-SB-465-8.0/10-XXX	Distill/Ammonia, L107-06-1B	T	0.78 g	50 mL	
360-24417-A-10~MS	OC-SB-465-8.0/10-XMS	Distill/Ammonia, L107-06-1B	T	0.74 g	50 mL	500 uL
360-24417-A-10~MSD	OC-SB-465-8.0/10-MSD	Distill/Ammonia, L107-06-1B	T	0.87 g	50 mL	500 uL
360-24417-E-11	OC-SB-468-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.85 g	50 mL	
360-24417-A-12	OC-SB-468-31/33-XXX	Distill/Ammonia, L107-06-1B	T	0.94 g	50 mL	
360-24417-A-13	OC-SB-468-8.0/10-XXX	Distill/Ammonia, L107-06-1B	T	0.74 g	50 mL	
360-24417-A-14	OC-SB-471-0.0/1.0-XXX	Distill/Ammonia, L107-06-1B	T	0.80 g	50 mL	
360-24417-A-15	OC-SB-471-3.0/5.0-XXX	Distill/Ammonia, L107-06-1B	T	0.97 g	50 mL	
360-24417-E-16	OC-SB-471-26/28-XXX	Distill/Ammonia, L107-06-1B	T	0.90 g	50 mL	

General Chemistry Worksheet

Batch Number: 360-49040
Method: L107-06-1B
Analyst: Lalashius, Andrew L

Date Open: Sep 16 2009 1:28PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	W08CSTK004_00001	W08GSTK002_00001
ICV~360-49040/1		L107-06-1B		10 mL		82 uL
ICB~360-49040/2		L107-06-1B				
MB~360-48986/1-A		L107-06-1B				
LCS~360-48986/2-A		L107-06-1B				
360-24417-A-6-F	OC-SB-464-5.0/7.0-XXX	L107-06-1B	T			
360-24417-A-7-E	OC-SB-465-0.0/1.0-XXX	L107-06-1B	T			
360-24417-A-8-D	OC-SB-465-16/18-XXX	L107-06-1B	T			
CCV~360-49040/8		L107-06-1B		10 mL	80 uL	
CCB~360-49040/9		L107-06-1B				
360-24417-E-9-C	OC-SB-465-8.0/10-DUP	L107-06-1B	T			
360-24417-A-10-N	OC-SB-465-8.0/10-XXX	L107-06-1B	T			
360-24417-A-10-O~MS	OC-SB-465-8.0/10-XMS	L107-06-1B	T			
360-24417-A-10-P~MSD	OC-SB-465-8.0/10-MSD	L107-06-1B	T			
360-24417-E-11-C	OC-SB-468-0.0/1.0-XXX	L107-06-1B	T			
360-24417-A-12-D	OC-SB-468-31/33-XXX	L107-06-1B	T			
360-24417-A-13-E	OC-SB-468-8.0/10-XXX	L107-06-1B	T			
360-24417-A-14-E	OC-SB-471-0.0/1.0-XXX	L107-06-1B	T			
360-24417-A-15-E	OC-SB-471-3.0/5.0-XXX	L107-06-1B	T			
360-24417-E-16-B	OC-SB-471-26/28-XXX	L107-06-1B	T			
CCV~360-49040/20		L107-06-1B		10 mL	80 uL	
CCB~360-49040/21		L107-06-1B				

Shipping and Receiving Documents

State Accreditation Matrix

Method Name	Description	State where Primary Accreditation is Carried				
		New York (NELAC)	Mass	Conn	Florida (NELAC)	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)				NP	
SM 4500 Cl F	Chlorine, Residual		NP			
SM 9215B	Heterotrophic Plate Count (Pour Plate Method)		P			
SM 9215E	Heterotrophic Plate Count (SimPlate)		P			
SM 9221F	E.Coli (Multiple-Tube Fermentation; EC-MUG)		P			
SM 9222B	Coliforms, Total (Membrane Filter)		P			
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP			
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P			
200.8	Metals (ICP/MS) (list upon request)	NP/P	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW		NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	NP/P		
7470A	Mercury (CVAA)	NP		NP		
7471A	Mercury (CVAA)	SW		SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	NP/P		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		NP/P		
3010A	Preparation, Total Metals	NP/P		NP/P		
3020A	Preparation, Total Metals	NP/P/SW		NP/P/SW		
3050B	Preparation, Metals	SW		SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)		P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP		NP		
3546	Microwave Extraction	SW				
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		NP		
3540C	Soxhlet Extraction					
3550B	Ultrasonic Extraction	SW		SW		
600/4-81-045	Polychlorinated Biphenyls (PCBs) (GC)		NP	NP		
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW		NP/SW		
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW		NP/SW		
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW		
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	P		
524.2	Trihalomethanes		P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	NP		
5035	Closed System Purge and Trap	SW		SW		
5030B	Purge and Trap	NP		NP		
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
180.1	Turbidity, Nephelometric		P	P		
300	Anions, Ion Chromatography	NP/P	NP/P	NP/P		
410.4	COD	NP	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	NP		
7196A	Chromium, Hexavalent	NP/SW		NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		NP		
9040B	pH	NP		NP		
9045C	pH	SW		SW		
L107041C	Nitrogen, Nitrate	NP	P	NP/P		
L107-06-1B	Nitrogen Ammonia	NP	NP	NP/P		
L204001A CN	Cyanide, Total		NP/P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP		NP		
SM 4500 H+ B	pH	NP/P	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	NP/P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	NP/P		
SM 4500 P E	Phosphorus, Total	NP	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP		NP		
SM 5210B	BOD, 5-Day	NP	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP	NP	NP/P		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is listing is subject to change based on the laboratories current certification standing.

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-24417-1
SDG Number: OCRI-10

Login Number: 24417
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	4.2 C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Olin Corporation

Job Number: 360-24417-1
SDG Number: OCRI-10

Login Number: 24417
Creator: Alsheimer, Carl
List Number: 1

List Source: TestAmerica Tallahassee
List Creation: 09/03/09 02:19 PM

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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Pick-up on 9/2/09 Wednesday

TAL-Soil

3600 24417
Page 1 of 5

09/30/2009

Page 1843 of 1848

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) (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-463-0.0/1.0-XXX	9/1/2009 1:00:00 PM	T	FS	SO	G	4	X	X					X		X	X						Category 1
OC-SB-463-28/30-XXX	9/1/2009 2:50:00 PM	T	FS	SO	G	4	X	X					X		X	X						Category 3

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida
* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida
** = Using Method 3620B
*** = Sulfate, Chloride

Cooler Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: 4.2°C Deg C
Preservation / pH checked? Y / N
By: KAN Date: 9/2/09

Relinquished: [signature] Date: 09/02/09 Time: 1500 Received: [signature] Date: 9/2/09 Time: 1510

Relinquished: [signature] Date: 9/2/09 Time: 1710 Received: [signature] Date: 9/2/2009 Time: @1710

TAL-Soil

360 24417

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)* (ME V)	SVOA and TICs (8270C) (G)	NDMA (Modified 8270C) (G)	Diphenylamine (8270C)** (G)	EPH (MADEP-EPH-04-1.1) (G)	VPH (MADEP-VPH-04-1.1) (ME V)	TAL Metals (6010B / 7471A) (G)	PCBs (8082) (G)	Anions (EPA 300)*** (G)	Amonnia (LACHAT) (G)	TOC (Lloyd Kahn) (G)	Phathalic Anhydride (Mod 8000 HPLC) (G)							Formaldehyde/Acetaldehyde (SW-846 8315A)* (G)	Phthalic Anhydride (acid) (Method 8000 - LC)* (G)			Comments (Special Instructions)
																												<--Preservative Type (4)
																												<--Bottle Type (5)
OC-SB-463-6.0/8.0-XXX	9/1/2009 1:10:00 PM	T	FS	SO	G	4	X	X					X		X	X												Category 2
OC-SB-464-0.0/1.0-XXX	9/1/2009 3:50:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X		Category 1
OC-SB-464-26/28-XXX	9/1/2009 4:50:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X		~~Category 2~~ KAN 9/2/09 CATEGORY 3
OC-SB-464-5.0/7.0-XXX	9/1/2009 4:50:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X		~~Category 3~~ KAN 9/2/09 CATEGORY 2
OC-SB-465-0.0/1.0-XXX	9/2/2009 7:35:00 AM	T	FS	SO	G	9	X	X	X	X			X		X	X	X								X	X		Category 1
OC-SB-465-16/18-XXX	9/2/2009 8:25:00 AM	T	FS	SO	G	9	X	X	X	X			X		X	X	X								X	X		Category 3
OC-SB-465-8.0/10-DUP	9/2/2009 7:45:00 AM	T	FD	SO	G	9	X	X	X	X			X		X	X	X								X	X		Category 2
OC-SB-465-8.0/10-MSD	9/2/2009 7:45:00 AM	T	MSD	SO	G	8	X	X	X	X															X	X		Category 2 Same jar as MS for all except VOCs

Special Instructions For Lab

Notes:

1) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Relinquished: [signature]	Date: 09/02/09	Time: 1500	Received: [signature]	Date: 9/2/09	Time: 1510
Relinquished: [signature]	Date: 9/2/09	Time: 1710	Received: [signature]	Date: 9/2/2009	Time: @1710

Cooler ? Y / N	MADEP Requirement
	Samples Iced? Y / N
Temp @ receipt: 4.2°C	Deg C
Preservation / pH checked? Y N	
By: KAN	Date: 9/2/09

TAL-Soil

360-24417

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)* (ME V)	SVOA and TICs (8270C) (G)	NDMA (Modified 8270C) (G)	Diphenylamine (8270C)** (G)	EPH (MADEP-EPH-04-1.1) (G)	VPH (MADEP-VPH-04-1.1) (ME V)	TAL Metals (6010B / 7471A) (G)	PCBs (8082) (G)	Anions (EPA 300)*** (G)	Amonnia (LACHAT) (G)	TOC (Lloyd Kahn) (G)	Phathalic Anhydride (Mod 8000 HPLC) (G)							Formaldehyde/Acetaldehyde (SW-846 8315A)* (G)	Phthalic Anhydride (acid) (Method 8000 - LC)* (G)			Comments (Special Instructions)
																												<--Preservative Type (4)
																												<--Bottle Type (5)
OC-SB-465-8.0/10-XMS	9/2/2009 7:45:00 AM	T	MS	SO	G	9	X	X	X	X			X		X	X	X								X	X			Category 2
OC-SB-465-8.0/10-XXX	9/2/2009 7:45:00 AM	T	FS	SO	G	9	X	X	X	X			X		X	X	X								X	X			Category 2
OC-SB-468-0.0/1.0-XXX	9/2/2009 10:05:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-468-31/33-XXX	9/2/2009 11:00:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 3
OC-SB-468-8.0/10-XXX	9/2/2009 10:10:00	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2
OC-SB-471-0.0/1.0-XXX	9/2/2009 1:15:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 1
OC-SB-471-3.0/5.0-XXX	9/2/2009 1:30:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X									X	X			Category 2

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Relinquished: [signature] Date: 09/02/09 Time: 1500 Received: [signature] Date: 9 2 09 Time: 1510

Relinquished: [signature] Date: 9 / 2 / 09 Time: 1710 Received: [signature] Date: 9 / 2 / 2009 Time: @ 1710

Cooler? Y N

MADEP Requirement

Samples Iced? Y N

Temp @ receipt: 4.2°c Deg C

Preservation / pH checked? Y N

By: [signature] Date: 9/2/09

TAL-Soil

360 24417

09/30/2009

Client:	Olin Corporation	Client Project #:	6107090016
Address:	3855 North Ocoee St. Suite 200	Work Site ID:	Wilmington, MA
	Cleveland, TN 37312	Reports Sent To:	Steve Morrow
Phone:	423-336-4511	Fax: 423-336-1466	Email SGMorrow@olin.com Email Rpt:____

Requested Turnaround Time (SPECIFY): Standard_____ Rush_____ (Lab Approval Required)

Regulatory Programs: MADEP MCP____ Superfund _____

Report Requirements Level IV Package ____ Level II Package _____

EDD Requirements: MACTEC EQUIS EZ EDD _____

INVOICE INFO — Shaded Areas for office use only

Company Name: Olin Corp

Company Contact: ERG Accounts Payable

Address: Same as Client

Phone: Email

Job # _____ Quote # _____

Lab SDG #_____ PO #_____

MACTEC

Sample ID	Date/Time Collected	Fraction (1)	QC Code (2)	Sample Matrix (3)	Composite (C) or Grab (G)	Total # of Containers	VOA and TICs (5035A/8260B)*	SVOA and TICs (8270C)	NDMA (Modified 8270C)	Diphenylamine (8270C)**	EPH (MADEP-EPH-04-1.1)	VPH (MADEP-VPH-04-1.1)	TAL Metals (6010B / 7471A)	PCBs (8082)	Anions (EPA 300)***	Amonnia (LACHAT)	TOC (Lloyd Kahn)	Phathalic Anhydride (Mod 8000 HPLC)	Formaldehyde/Acetaldehyde (SW-846 8315A)*	Phthalic Anhydride (acid) (Method 8000 - LC)*	Comments (Special Instructions)
							ME V	- G	- G	- G	- G	ME V	- G	- G	- G	- G	- G	- G	- G	- G	<--Preservative Type (4) <--Bottle Type (5)
OC-SB-471-26/28-XXX	9/2/2009 2:30:00 PM	T	FS	SO	G	8	X	X	X	X			X		X	X				X	Category 3
OC-TBK-012	9/2/2009 2:50:00 PM	T	TB	SO	G	3	X														Category 1

Special Instructions For Lab

Notes:

1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable

2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank

3.) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil

4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water

5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass

* = Formaldehyde /Acetaldehyde analyzed at TAL-Tallahassee Florida

* = Phthalic Anhydride (acid) analyzed at TAL-Tallahassee Florida

** = Using Method 3620B

*** = Sulfate, Chloride

Cooler (Y) N — MADEP Requirement Samples Iced (Y) / N

Temp @ receipt: 4.2 Deg C

Preservation / pH checked? Y / (N)

By: _____ Date: 9/2/09

Relinquished: _____ Date: 09/02/09 Time: 1500 Received: _____ Date: 9/2/09 Time: 1510

Relinquished: _____ Date: 9/2/09 Time: 1710 Received: _____ Date: 9/2/2009 Time: @ 1710

Olin Wilmington OU1 Soil Sampling Categories

There will be three categories of samples submitted to the laboratories during the soil sampling program based primarily on the depth of soil locations. These categories will be indentified in notes provided with the chain of custody submitted with samples. The following categories are included:

Category 1

Soil boring samples 0'-1': request that all samples are analyzed and reported in the normal project turnaround time (TAT).

Category 2

Soil boring samples from the 1'-10' interval: All samples are analyzed. Rush TAT is requested on a subset of analyses as indicated below:

VOCs: rush 7-day TAT
SVOCs: NDMA, and phthalic anhydride: normal 30-day TAT
DMF: normal 21-day TAT
Hydrazine: rush 7 day TAT
Metals: normal 30-day TAT (except mercury)
Mercury: 10 day TAT
Hexavalent Chromium: 10 day TAT
Formaldehyde/acetaldehyde: normal TAT
Anions: normal TAT
Ammonia: normal TAT

Category 3

Soil boring samples from >10 ft: Sample are held with analysis pending. For a subset of analyses the samples will be extracted and held by the lab pending instructions from MACTEC-Olin.

VOCs: hold pending results of Category 2
SVOCs: extract and hold pending results of Category 2
NDMA: extract and hold pending results of Category 2
DMF: extract and hold pending results of Category 2
Hydrazine: hold pending results of Category 2
Metals: hold pending results of Category 2
Mercury: hold pending results of Category 2
Hexavalent Chromium: hold pending results of Category 2
Phthalic anhydride: extract and hold pending results of Category 2
Formaldehyde/acetaldehyde: run normal TAT
Anions: run normal TAT
Ammonia: run normal TAT

For rush TAT samples the laboratory will provide preliminary results with a narrative and sample results summary report. The lab will also provide data on a preliminary data EDD. Final result and supporting data packages will be provided in the normal TAT for the project.

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360-24417

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
360-24417	OC-SB-463-28/30-XXX	(360-24417-2)	09/01/09	Category 3	VOC	Cancel Previously Requested VOC Analysis on COC
360-24417	OC-SB-464-26/28-XXX	(360-24417-5)	09/01/09	Category 3	VOC	Cancel Previously Requested VOC Analysis on COC
360-24417	OC-SB-465-16/18-XXX	(360-24417-8)	09/02/09	Category 3	VOC	Analyze VOC Sample as Previously Requested on COC
360-24417	OC-SB-468-31/33-XXX	(360-24417-12)	09/02/09	Category 3	VOC	Cancel Previously Requested VOC Analysis on COC
360-24417	OC-SB-471-26/28-XXX	(360-24417-16)	09/02/09	Category 3	VOC	Cancel Previously Requested VOC Analysis on COC

Tige Cunningham

Tige Cunningham
Sample Manager
MACTEC Engineering & Consulting, Inc.

9/14/09
Date

P:\6107090016 - Olin Wilmington CSS 2009\3.0 Field and Site Characterization\3.6 Databases\Prelim EDDs\OCRI-10.xls, VOCs Pending Samples