APPENDIX B

CHAIN OF CUSTODY FORMS/DATA VALIDATION MEMOS/LABORATORY DATA

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: R Clarke	Lab PM:	Carrier Tracking No(s):	COC No: 017291
Client Contact: Keith Westberry	Phone: 860 617 3948	E-Mail:		Page:
Company: ETecha				Job #:
Address: PO Box 2426	Due Date Requested: Contact Keith			
City: Lindale	TAT Requested (days):			
State, Zip: TX 75771	Quote #:			
Phone: 903-881-8390	PO #:			
Email: Keith@etecha.com	WO #:			
Project Name/number: Beaton & Corbin	SSOW#:			
Site: Southington CT				

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC (EPA 8260)	EDH Metals	Total Number of containers	Special Instructions/Note:
Preservation Code:											
BC-SO-SB13D-0810	11/28/11	1040						✓			Freeze or analyze VOC upon receipt
BC-TB-112811	11/28/11	0900						✓			

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; H - Ascorbic Acid; I - Ice; J - DI Water; M - Hexane; N - None; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; Z - other (specify)

Regulatory programs:
MCP ☐ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	11/29/11 0930	TNL	[signature]	11-29-11 9:30	
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

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Westfield, MA 01085
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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information

Client Contact: Keith Westberry	Sampler: R Clark	Lab PM:	Carrier Tracking No(s):
Company: Etech	Phone: 860 617 3948	E-Mail:	
Address: PO Box 2426	Due Date Requested: Contact Keith		
City: Lindale	TAT Requested (days): Contact Keith		
State, Zip: TX 75771			
Phone: 903-881-8390	Quote #:		
Email: Keith@etech.com	PO #:		
Project Name/number: Beaton + Corbin	WO #:		
Site: Southington, CT	SSOW#:		

COC No: 017290
Page:
Job #:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC (FJ)	EPH metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
BC-SO-SB301-0608	11/28/11	1503						✓	✓		Freeze or analyze VOC upon receipt.
BC-SO-SB302-0810		1540						✓	✓		
BC-SO-SB133-0002		1337						✓	✓		
BC-SO-SBDUP01		0000						✓	✓		
BC-SO-SB131-1012		1405						✓	✓		
BC-SO-SB128-0002		1215						✓	✓		
~~BC-SO-SB133-0204~~		~~1600~~						✓	✓		
BC-SO-SB303-0204		1600						✓	✓		
BC-SO-SB132-1012		1200						✓	✓		
BC-SO-SB129-0204		1050						✓	✓		

SB129 0204

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, Z - other (specify)

Regulatory programs:
MCP ☐ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	11.29.11 / 9:30	for Etech	[signature]	11.29.11 - 9:30	

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TAL-8245-360 0310

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: R Clark	Lab PM:	Carrier Tracking No(s):	COC No: 017292
Client Contact: Keith Westberry	Phone: 8606173948	E-Mail:		Page:
Company: ETech				Job #:
Address: PO Box 2426	Due Date Requested: Contact			
City: Lindale	TAT Requested (days): Keith			
State, Zip: TX 75771	Quote #:			
Phone: 903 881 8309	PO #:			
Email: Keith@etech.com	WO #:			
Project Name/number: Beaton + Corbin	SSOW#:			
Site: Southington CT				

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; H - Ascorbic Acid; I - Ice; J - DI Water; M - Hexane; N - None; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; Z - other (specify)

Regulatory programs: MCP ☐ GW1/S1 ☐ RCP ☐ CT RSR ☐ DEP Form ☐ EDD Required ☐

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC CT EPH methods	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	X			
BC-SO-SB304-0406	11/29/28	1320						✓✓		
BC-SO-SB308-1012		1120						✓✓		Lab QC MS/MSD
BC-SO-SB305-1012		0900						✓✓		
BC-SO-SB306-1012		0955						✓✓		
BC-SO-SB305-0203		0845						✓✓		
BC-SO-SB307-0810		1440						✓✓		
BC-TB-112911		0900						✓		
BC-SO-SB300A-0406		1535						✓✓		
										VOC must be analyzed or frozen upon receipt.

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	11/30/11 0920		[signature]	11-30-11 0920	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information
Client Contact: Keith Westberry
Company: ETech
Address: PO Box 2426
City: Lindale
State, Zip: TX 75771
Phone: 903 881-8309
Email: keith@Etech.com
Project Name/number: Beaton + Corbin
Site: Southington CT

Sampler: R Clark
Phone: 8606173948
Lab PM:
E-Mail:
Carrier Tracking No(s):

Due Date Requested: Contact
TAT Requested (days): Keith
Quote #:
PO #:
WO #:
SSOW#:

COC No:
Page:
Job #:

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
H - Ascorbic Acid
I - Ice
J - DI Water
M - Hexane
N - None
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
Z - other (specify)

Regulatory programs:
MCP ☐ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC	EPH	RCRA 8 total metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
BC-TB-GW-120111	12-1-11	0800	G	W				✓				
BC-GW-MWDUP01-120111		0000	G	W				✓	✓	✓		MW-06
BC-GW-MW25-120111		1220	G	W				✓	✓	✓		
BC-GW-MW06-120111		1045	G	W				✓	✓	✓		LAB QC-MS/MSD
BC-GW-MW301-120111		1215	G	W				✓	✓	✓		
BC-GW-MW200A-120111		0845	G	W				✓	✓	✓		
BC-GW-MW302-120111		1031	G	W				✓	✓	✓		
BC-GW-MW304-120111		1410	G	W				✓	✓	✓		
BC-GW-MW305-120111	✓	1450	G	W				✓	✓	✓		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Keith Clark	12/1/11 1530			12/1/11 1530	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

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Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

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240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information

Client Contact: Keith Westberry
Company: Etech
Address: PO Box 2426
City: Lindale
State, Zip: TX 75771
Phone: 903 881 8309
Email: Keith@Etech.com
Project Name/number: Beaton + Corbin
Site: Southington CT

Sampler: Robin Clark
Phone: 860 617 3948
Due Date Requested: Contact
TAT Requested (days): Keith
Quote #:
PO #:
WO #:
SSOW#:

Lab PM:
E-Mail:
Carrier Tracking No(s):
COC No:
Page:
Job #:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC (A)	EPH (A)	RCRA 8 metals (S)	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
BC-RB-120111	12-1-11	1545	g	W				✓	✓	✓		
BC-TB-GW-120111A	12-1-11	1500	g	W				✓				
BC-GW-MW303-120111	12-1-11	1600	g	W				✓	✓	✓		

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
H - Ascorbic Acid
I - Ice
J - DI Water
M - Hexane
N - None
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
Z - other (specify)

Regulatory programs:
MCP ☐ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kendall Tidwell	12-2-11 8:30am	Etech	[signature]	12-2-11 0830	

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

WI-QA-010-rev 6 0511

Tetra Tech **INTERNAL CORRESPONDENCE**

PHIL-24637

TO: **BRANDON SMITH** **DATE:** **JANUARY 17, 2012**

FROM: **MEGAN RITCHIE** **COPIES:** **DV FILE**

SUBJECT: **INORGANIC AND ORGANIC DATA VALIDATION – VOC/EPH/METALS**
FORMER BEATON & CORBIN BROWNSFIELD SITE, SOUTHINGTON, CONNECTICUT
SAMPLE DELIVERY GROUP (SDG) 360-J37913-1

SAMPLES: 2/Aqueous/VOC/EPH/METALS

BC-GW-MW303-120111
BC-RB-120111

1/Aqueous/VOC

BC-TB-GW-120111A

Overview

The sample set for the Former Beaton & Corbin Brownsfield Site, Southington, CT, SDG 360-J37900-1 consisted of one (1) aqueous environmental sample (designated BC-GW-MW303-120111) and two (2) quality control (QC) field blanks (designated BC-RB- and BC-TB-). All samples (except the trip blank) were analyzed for volatile organic compounds (VOCs), extractable petroleum hydrocarbons (EPH), and metals.

The samples were collected by eTech Environmental & Safety Solutions, Inc. (eTech) on December 1, 2011 and analyzed by the TestAmerica laboratory in Westfield, Massachusetts.

All analyses were conducted in accordance with SW-846 Methods 8260B for VOCs, 6010B for metals, and 7470A for mercury. EPH was analyzed using the Massachusetts Department of Environmental Protection Low Level Extractable Petroleum Hydrocarbons Method (MADEP-EPH-LL). A limited data validation was performed based on the following parameters:

* • Data Completeness
* • Holding Times
* • GC/MS Instrument Tuning and System Performance
• Initial and Continuing Calibrations
• Laboratory Method Blank Results
* • Surrogate Spike Recoveries
* • Internal Standard Areas
* • MS/MSD Sample Results
• Laboratory Control Sample Results
* • ICP Interference Check Sample Results
* • ICP Serial Dilution Results
* • Field Duplicate Precision
* • Laboratory Duplicate Results
* • Analyte Identification

The asterisk (*) indicates that all quality control criteria were met for this parameter. Qualified (if applicable) analytical results are summarized in Appendix A. Results as reported by the laboratory are presented in Appendix B. Appendix C contains the documentation to support the findings as discussed in this data validation report. Limited validation was performed on the data in this SDG and includes data completeness, holding times, quality control recoveries and limits from laboratory forms, and a review for false positives and false negatives. The text of this report has been formulated to address only those areas affecting data quality.

CONTINUING CALIBRATION

The continuing calibration percent differences (%D) exceeded the QC limit of 30% for carbon tetrachloride. The non-detected results for carbon tetrachloride were qualified as estimated (UJ).

NOTES

Methylene chloride was detected in the rinsate blank. No qualifications were made because methylene chloride was not detected in the environmental sample.

Sample BC-GW-MW303-120111 was analyzed at a 10X dilution.

The laboratory control sample (LCS) percent recoveries (%Rs) exceeded the upper QC limit of 130% for carbon disulfide and carbon tetrachloride. No qualifications were made because there were no results for these analytes.

The LCS recoveries were below the lower QC limit of 40% for n-decane (C10), a single component of the C_9-C_{18} aliphatic hydrocarbon range. The LCS duplicate (LCSD) recovery was below the lower QC limit of 30% for n-nonane (C9), a single component of the C_9-C_{18} aliphatic hydrocarbon range. No qualifications were made for the C_9-C_{18} aliphatic hydrocarbon range based on the LCS. The C_9-C_{18} aliphatic hydrocarbon range LCS/LCSD recoveries were within QC limits.

The positive results were reported to the Reporting Limit (RL) by the laboratory (rather than to the Method Detection Limit (MDL) and reported with “J” flag).

Metals results were acceptable as reported by the laboratory.

EXECUTIVE SUMMARY

Laboratory Performance: One VOC continuing calibration %D exceeded the QC criterion. LCS/LCSD recoveries were outside QC limits for two VOCs and two EPH compounds.

Other Factors Affecting Data Quality: Methylene chloride was detected in the field rinsate blank.

The limited data validation performed for these analyses were completed with reference to the criteria for SW-846 Methods 8260B, 6010B, and 7470A and MADEP-EPH-LL listed in the project specific QAPP addendum and the "USEPA Region 1 Laboratory Data Validation Functional Guidelines – Part II" (12/96).

Megan Ritchie
Tetra Tech
Megan Ritchie
Chemist/Data Validator

Russell Sloboda
Tetra Tech
Russell Sloboda
Data Validation Quality Assurance Officer

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C – Support Documentation

APPENDIX A

QUALIFIED LABORATORY RESULTS

DATA SUMMARY OF LABORATORY ANALYTICAL RESULTS
SDG 360-J93713-1

Sample ID	BC-GW-MW303-120111			BC-RB-120111			BC-TB-GW-120111A		
Laboratory Order Number	360-37913-3			360-37913-1			360-37913-2		
Sample Collection Date	12/1/2011			12/1/2011			12/1/2011		
	ug/L	Qual	Code	ug/L	Qual	Code	ug/L	Qual	Code
VOLATILES									
1,1,1,2-Tetrachloroethane	10	U		1	U		1	U	
1,1,1-Trichloroethane	16			1	U		1	U	
1,1,2,2-Tetrachloroethane	5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U		1	U		1	U	
1,1,2-Trichloroethane	10	U		1	U		1	U	
1,1-Dichloroethane	10	U		1	U		1	U	
1,1-Dichloroethene	10	U		1	U		1	U	
1,1-Dichloropropene	10	U		1	U		1	U	
1,2,3-Trichlorobenzene	10	U		1	U		1	U	
1,2,3-Trichloropropane	10	U		1	U		1	U	
1,2,4-Trichlorobenzene	10	U		1	U		1	U	
1,2,4-Trimethylbenzene	10	U		1	U		1	U	
1,2-Dibromo-3-Chloropropane	50	U		5	U		5	U	
1,2-Dichlorobenzene	10	U		1	U		1	U	
1,2-Dichloroethane	10	U		1	U		1	U	
1,2-Dichloropropane	10	U		1	U		1	U	
1,3,5-Trimethylbenzene	10	U		1	U		1	U	
1,3-Dichlorobenzene	10	U		1	U		1	U	
1,3-Dichloropropane	10	U		1	U		1	U	
1,4-Dichlorobenzene	10	U		1	U		1	U	
2,2-Dichloropropane	10	U		1	U		1	U	
2-Butanone (MEK)	100	U		10	U		10	U	
2-Chlorotoluene	10	U		1	U		1	U	
2-Hexanone	100	U		10	U		10	U	
4-Chlorotoluene	10	U		1	U		1	U	
4-Isopropyltoluene	10	U		1	U		1	U	
4-Methyl-2-pentanone (MIBK)	100	U		10	U		10	U	
Acetone	500	U		50	U		50	U	
Acrylonitrile	5	U		0.5	U		0.5	U	
Benzene	10	U		1	U		1	U	
Bromobenzene	10	U		1	U		1	U	
Bromoform	10	U		1	U		1	U	
Bromomethane	20	U		2	U		2	U	
Carbon disulfide	100	U		10	U		10	U	
Carbon tetrachloride	10	UJ	C	1	UJ	C	1	UJ	C
Chlorobenzene	10	U		1	U		1	U	
Chlorodibromomethane	5	U		0.5	U		0.5	U	
Chloroethane	20	U		2	U		2	U	
Chloroform	10	U		1	U		1	U	
Chloromethane	20	U		2	U		2	U	
cis-1,2-Dichloroethene	10	U		1	U		1	U	
cis-1,3-Dichloropropene	4	U		0.4	U		0.4	U	
Dibromomethane	10	U		1	U		1	U	
Dichlorobromomethane	5	U		0.5	U		0.5	U	
Dichlorodifluoromethane	10	U		1	U		1	U	
Ethylbenzene	10	U		1	U		1	U	
Ethylene Dibromide	10	U		1	U		1	U	
Hexachlorobutadiene	4	U		0.4	U		0.4	U	
Isopropylbenzene	10	U		1	U		1	U	
Methyl tert-butyl ether	10	U		1	U		1	U	
Methylene Chloride	20	U		6.3			2	U	
m-Xylene & p-Xylene	20	U		2	U		2	U	
Naphthalene	50	U		5	U		5	U	
n-Butylbenzene	10	U		1	U		1	U	
N-Propylbenzene	10	U		1	U		1	U	
o-Xylene	10	U		1	U		1	U	
sec-Butylbenzene	10	U		1	U		1	U	
Styrene	10	U		1	U		1	U	
tert-Butylbenzene	10	U		1	U		1	U	
Tetrachloroethene	10	U		1	U		1	U	
Tetrahydrofuran	100	U		10	U		10	U	
Toluene	10	U		1	U		1	U	
trans-1,2-Dichloroethene	10	U		1	U		1	U	

DATA SUMMARY OF LABORATORY ANALYTICAL RESULTS
SDG 360-J93713-1

Sample ID	BC-GW-MW303-120111			BC-RB-120111			BC-TB-GW-120111A		
Laboratory Order Number	360-37913-3			360-37913-1			360-37913-2		
Sample Collection Date	12/1/2011			12/1/2011			12/1/2011		
	ug/L	Qual	Code	ug/L	Qual	Code	ug/L	Qual	Code
trans-1,3-Dichloropropene	4	U		0.4	U		0.4	U	
trans-1,4-Dichloro-2-butene	50	U		5	U		5	U	
Trichloroethene	160			1	U		1	U	
Trichlorofluoromethane	10	U		1	U		1	U	
Vinyl chloride	5	U		0.5	U		0.5	U	
Xylenes, Total	10	U		1	U		1	U	
SEMIVOLATILES									
2-Methylnaphthalene	0.99	U		0.98	U		NA		
Acenaphthene	0.99	U		0.98	U		NA		
Acenaphthylene	0.3	U		0.29	U		NA		
Anthracene	0.99	U		0.98	U		NA		
Benzo[a]anthracene	0.3	U		0.29	U		NA		
Benzo[a]pyrene	0.2	U		0.2	U		NA		
Benzo[b]fluoranthene	0.3	U		0.29	U		NA		
Benzo[g,h,i]perylene	0.5	U		0.49	U		NA		
Benzo[k]fluoranthene	0.3	U		0.29	U		NA		
C11-C22 Aromatics	99	U		98	U		NA		
C11-C22 Aromatics (Adjusted)	99	U		98	U		NA		
C19-C36 Aliphatics	99	U		98	U		NA		
C9-C18 Aliphatics	99	U		98	U		NA		
Chrysene	0.99	U		0.98	U		NA		
Dibenz(a,h)anthracene	0.45	U		0.44	U		NA		
Fluoranthene	0.99	U		0.98	U		NA		
Fluorene	0.99	U		0.98	U		NA		
Indeno[1,2,3-cd]pyrene	0.45	U		0.44	U		NA		
Naphthalene	0.99	U		0.98	U		NA		
Phenanthrene	0.2	U		0.2	U		NA		
Pyrene	0.99	U		0.98	U		NA		
Total EPH	99	U		98	U		NA		
METALS									
Arsenic	10	U		10	U		NA		
Barium	76			10	U		NA		
Cadmium	1	U		1	U		NA		
Chromium	190			5	U		NA		
Lead	5	U		5	U		NA		
Mercury	0.2	U		0.2	U		NA		
Selenium	10	U		10	U		NA		
Silver	5	U		5	U		NA		

Data Qualifier Key:

J - Value is considered estimated due to exceedance of technical quality control or because result is less than the Contract Required Quantitation Limit (CRQL).

U - Value is a non-detected result as reported by the laboratory.

UJ - Non-detected result is considered estimated due to exceedance of technical quality control criteria.

Qualifier Codes:

a = Lab Blank Contamination
b = Field Blank Contamination
c = Calibration (i.e., %RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
d = MS/MSD Noncompliance
e = LSC/LSCD Noncompliance
f = Laboratory Duplicate Imprecision
g = Field Duplicate Imprecision
h = Holding Time Exceedance
i = ICP Serial Dilution Noncompliance
j = GFAA PDS – GFAA MSA's r<0.995 (correlation coefficient)
k = ICP Interference – include ICSAB %Rs
l = Instrument Calibration Range Exceedance
m = Sample Preservation
n = Internal Standard Noncompliance
o = Poor Instrument Performance (i.e. baseline drifting)
p = Uncertainty Near Detection Limit (<2 x IDL for inorganics and < CRQL for organics)
q = Other Problems (can encompass of number of issues)
r = Surrogates Recovery Noncompliance
s = Pesticide/PCB Resolution
t = % Breakdown Noncompliance for DDT and Endrin
u = Pesticide/PCB % Difference Between Columns for Positive Results
v = Non-linear Calibrations, Tuning r <0.995 (correlation coefficient)

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

APPENDIX C

SUPPORT DOCUMENTATION

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-RB-120111**

Lab Sample ID: 360-37913-1 | Date Sampled: 12/01/2011 1545
Client Matrix: Water | Date Received: 12/02/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22883.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 2129			Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 2129				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-RB-120111**

Lab Sample ID: 360-37913-1 | Date Sampled: 12/01/2011 1545
Client Matrix: Water | Date Received: 12/02/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22883.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 2129			Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 2129				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	6.3		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	107		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-TB-GW-120111A**

Lab Sample ID: 360-37913-2 | Date Sampled: 12/01/2011 1500
Client Matrix: Water | Date Received: 12/02/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22884.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 2151			Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 2151				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-TB-GW-120111A**

Lab Sample ID: 360-37913-2 | Date Sampled: 12/01/2011 1500
Client Matrix: Water | Date Received: 12/02/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22884.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 2151			Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 2151				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	107		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-GW-MW303-120111**

Lab Sample ID: 360-37913-3 | Date Sampled: 12/01/2011 1600
Client Matrix: Water | Date Received: 12/02/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22885.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 2212			Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 2212				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		10
1,1,1-Trichloroethane	16		10
1,1,2,2-Tetrachloroethane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10
1,1,2-Trichloroethane	ND		10
1,1-Dichloroethane	ND		10
1,1-Dichloroethene	ND		10
1,1-Dichloropropene	ND		10
1,2,3-Trichlorobenzene	ND		10
1,2,3-Trichloropropane	ND		10
1,2,4-Trichlorobenzene	ND		10
1,2,4-Trimethylbenzene	ND		10
1,2-Dibromo-3-Chloropropane	ND		50
1,2-Dichlorobenzene	ND		10
1,2-Dichloroethane	ND		10
1,2-Dichloropropane	ND		10
1,3,5-Trimethylbenzene	ND		10
1,3-Dichlorobenzene	ND		10
1,3-Dichloropropane	ND		10
1,4-Dichlorobenzene	ND		10
2,2-Dichloropropane	ND		10
2-Butanone (MEK)	ND		100
2-Chlorotoluene	ND		10
2-Hexanone	ND		100
4-Chlorotoluene	ND		10
4-Isopropyltoluene	ND		10
4-Methyl-2-pentanone (MIBK)	ND		100
Acetone	ND		500
Acrylonitrile	ND		5.0
Benzene	ND		10
Bromobenzene	ND		10
Bromoform	ND		10
Bromomethane	ND		20
Carbon disulfide	ND	*	100
Carbon tetrachloride	ND	*	10
Chlorobenzene	ND		10
Chlorodibromomethane	ND		5.0
Chloroethane	ND		20
Chloroform	ND		10
Chloromethane	ND		20
cis-1,2-Dichloroethene	ND		10
cis-1,3-Dichloropropene	ND		4.0
Dibromomethane	ND		10
Dichlorobromomethane	ND		5.0
Dichlorodifluoromethane	ND		10
Ethylbenzene	ND		10

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-GW-MW303-120111**

Lab Sample ID: 360-37913-3 | Date Sampled: 12/01/2011 1600
Client Matrix: Water | Date Received: 12/02/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22885.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 2212			Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 2212				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		10
Hexachlorobutadiene	ND		4.0
Isopropylbenzene	ND		10
m-Xylene & p-Xylene	ND		20
Methyl tert-butyl ether	ND		10
Methylene Chloride	ND		20
n-Butylbenzene	ND		10
N-Propylbenzene	ND		10
Naphthalene	ND		50
o-Xylene	ND		10
sec-Butylbenzene	ND		10
Styrene	ND		10
tert-Butylbenzene	ND		10
Tetrachloroethene	ND		10
Tetrahydrofuran	ND		100
Toluene	ND		10
trans-1,2-Dichloroethene	ND		10
trans-1,3-Dichloropropene	ND		4.0
trans-1,4-Dichloro-2-butene	ND		50
Trichloroethene	160		10
Trichlorofluoromethane	ND		10
Vinyl chloride	ND		5.0
Xylenes, Total	ND		10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	108		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-RB-120111**

Lab Sample ID: 360-37913-1 | Date Sampled: 12/01/2011 1545
Client Matrix: Water | Date Received: 12/02/2011 0945

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1025 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/14/2011 1128			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.98
Acenaphthylene	ND		0.29
Anthracene	ND		0.98
Benzo[a]anthracene	ND		0.29
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.29
Benzo[g,h,i]perylene	ND		0.49
Benzo[k]fluoranthene	ND		0.29
Chrysene	ND		0.98
Dibenz(a,h)anthracene	ND		0.44
Fluoranthene	ND		0.98
Fluorene	ND		0.98
Indeno[1,2,3-cd]pyrene	ND		0.44
2-Methylnaphthalene	ND		0.98
Naphthalene	ND		0.98
Phenanthrene	ND		0.20
Pyrene	ND		0.98
C11-C22 Aromatics	ND		98
C11-C22 Aromatics (Adjusted)	ND		98
C19-C36 Aliphatics	ND		98
C9-C18 Aliphatics	ND		98
Total EPH	ND		98

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	84		40 - 140
2-Fluorobiphenyl	83		40 - 140
o-Terphenyl	82		40 - 140
1-Chlorooctadecane	80		40 - 140

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-GW-MW303-120111**

Lab Sample ID: 360-37913-3 | Date Sampled: 12/01/2011 1600
Client Matrix: Water | Date Received: 12/02/2011 0945

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1010 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/14/2011 1202			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.99
Acenaphthylene	ND		0.30
Anthracene	ND		0.99
Benzo[a]anthracene	ND		0.30
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.30
Benzo[g,h,i]perylene	ND		0.50
Benzo[k]fluoranthene	ND		0.30
Chrysene	ND		0.99
Dibenz(a,h)anthracene	ND		0.45
Fluoranthene	ND		0.99
Fluorene	ND		0.99
Indeno[1,2,3-cd]pyrene	ND		0.45
2-Methylnaphthalene	ND		0.99
Naphthalene	ND		0.99
Phenanthrene	ND		0.20
Pyrene	ND		0.99
C11-C22 Aromatics	ND		99
C11-C22 Aromatics (Adjusted)	ND		99
C19-C36 Aliphatics	ND		99
C9-C18 Aliphatics	ND		99
Total EPH	ND		99

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	82		40 - 140
2-Fluorobiphenyl	80		40 - 140
o-Terphenyl	80		40 - 140
1-Chlorooctadecane	83		40 - 140

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-RB-120111**

Lab Sample ID: 360-37913-1 | Date Sampled: 12/01/2011 1545
Client Matrix: Water | Date Received: 12/02/2011 0945

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84357	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84282	Lab File ID:	120511a.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/05/2011 1656			Final Weight/Volume:	50 mL
Prep Date:	12/05/2011 0840				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		5.0
Arsenic	ND		10
Barium	ND		10
Cadmium	ND		1.0
Chromium	ND		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1353			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-GW-MW303-120111**

Lab Sample ID: 360-37913-3 | Date Sampled: 12/01/2011 1600
Client Matrix: Water | Date Received: 12/02/2011 0945

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84357	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84282	Lab File ID:	120511a.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/05/2011 1659			Final Weight/Volume:	50 mL
Prep Date:	12/05/2011 0840				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		5.0
Arsenic	ND		10
Barium	76		10
Cadmium	ND		1.0
Chromium	190		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1354			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

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Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information

Client Contact: Keith Westberry
Company: Etech
Address: PO BOX 2426
City: Lindale
State, Zip: TX 75771
Phone: 903 881 8309
Email: Keith@Etechi.com
Project Name/number: Beaton + Corbin
Site: Southington CT

Sampler: Robin Clark
Phone: 860 173 948
Lab PM:
E-Mail:
Carrier Tracking No(s):
COC No:
Page: 1 of 1
Job #:

Due Date Requested: Contract
TAT Requested (days): Keith
Quote #:
PO #:
WO #:
SSOW#:

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; H - Ascorbic Acid; I - Ice; J - DI Water; M - Hexane; N - None; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; Z - other (specify)

Regulatory programs:
MCP ☐ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Page 455 of 455 Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC (8260)	EPH (8100)	RCRA 8 metals (6010)	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
BC-RB-120111	12-1-11	1345	G	W				✓	✓	✓		
BC-TB-GW-120111A	12-1-11	1500	G	W				✓				
BC-GW-MW303-120111	12-1-11	1600	G	W				✓	✓	✓		
SB 12/2/11												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	12-2-11 5:30pm	Etech	[signature]	12-2-11 0830	
[signature]	12-2-11 09:45		[signature]	12/2/11 09:45	TA

Custody Seals Intact: Δ Yes ☒ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 1.1°C w ice

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

RECEIPT

The samples were received on 12/02/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.1 C.

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within the method's specified temperature range or for general analysis, ranging from 6°C to just above the freezing temperature of water. Samples that are hand delivered, immediately following collection, may not meet these criteria; however, they will be considered acceptable according to NELAC and State standards, if there is evidence that the chilling process has begun, such as stored and transported to the laboratory on ice.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples BC-RB-120111 (360-37913-1), BC-TB-GW-120111A (360-37913-2) and BC-GW-MW303-120111 (360-37913-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B (RCP). The samples were analyzed on 12/06/2011.

The continuing calibration verification (CCV) for analytical batch 84387 exceeded control criteria for Carbon Tetrachloride (high).

Carbon disulfide and Carbon tetrachloride failed the recovery criteria high for LCS 360-84387/3. Refer to the QC report for details.

Sample BC-GW-MW303-120111 (360-37913-3)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS - LOW LEVEL

Samples BC-RB-120111 (360-37913-1) and BC-GW-MW303-120111 (360-37913-3) were analyzed for extractable petroleum hydrocarbons - low level in accordance with MA DEP MA-EPH-LL. The samples were prepared on 12/08/2011 and analyzed on 12/14/2011.

The samples submitted for MA DEP EPH analysis were received with sufficient preservation (pH <2). According to EPH method reference 11.2.6.2, using GC/MS, the laboratory has identified a single component contaminant that appears at the same retention time in all laboratory and field samples. This contaminant is derived from the method's SPE cartridge and is not included in the calculation of the C11-C22 Aromatics range.

n-Decane failed the recovery criteria low for LCS 360-84516/2-A. Refer to the QC report for details.

Dodecane, n-Decane and n-Nonane failed the recovery criteria low for the MS and MSD of sample 360-37900-4 in batch 360-84720. Refer to the QC report for details.

No other difficulties were encountered during the EPH - low level analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples BC-RB-120111 (360-37913-1) and BC-GW-MW303-120111 (360-37913-3) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 12/05/2011.

At the request of the client, an abbreviated MCP analyte list (EPA RCRA 8 vs. WSC CAM III-A) was reported for this job)

No difficulties were encountered during the total metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples BC-RB-120111 (360-37913-1) and BC-GW-MW303-120111 (360-37913-3) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A (RCP). The samples were prepared and analyzed on 12/07/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCVIS 360-84387/2 Calibration Date: 12/06/2011 14:18

Instrument ID: Agilent#2 GC/MS Calib Start Date: 11/29/2011 19:37

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/29/2011 22:31

Lab File ID: V22864.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	Ave	0.1683	0.2030		24.1	20.0	20.6	30.0
Chloromethane	Ave	0.2324	0.2180	0.1000	18.8	20.0	-6.2	30.0
Vinyl chloride	Ave	0.1915	0.2038		21.3	20.0	6.4	20.0
Bromomethane	Ave	0.1260	0.1394		22.1	20.0	10.6	30.0
Chloroethane	Ave	0.1025	0.0988		19.3	20.0	-3.6	30.0
Trichlorofluoromethane	Ave	0.2661	0.3135		23.6	20.0	17.8	30.0
1,1-Dichloroethene	Ave	0.1950	0.2135		21.9	20.0	9.5	20.0
Carbon disulfide	Ave	0.5595	0.5829		20.8	20.0	4.2	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1415	0.1794		25.4	20.0	26.8	30.0
Methylene Chloride	Lin1		0.2770		21.8	20.0	9.0	30.0
Acetone	Ave	1.325	1.278		193	200	-3.5	30.0
trans-1,2-Dichloroethene	Ave	0.3407	0.3540		20.8	20.0	3.9	30.0
Methyl acetate	Ave	0.2500	0.2367		189	200	-5.3	30.0
Methyl tert-butyl ether	Ave	0.6669	0.7205		21.6	20.0	8.0	30.0
1,1-Dichloroethane	Ave	0.4274	0.4456	0.1000	20.9	20.0	4.3	30.0
Acrylonitrile	Ave	0.1175	0.1194		20.3	20.0	1.6	30.0
cis-1,2-Dichloroethene	Ave	0.3417	0.3468		20.3	20.0	1.5	30.0
2,2-Dichloropropane	Lin1		0.2595		23.8	20.0	19.0	30.0
Chloroform	Ave	0.4519	0.4875		21.6	20.0	7.9	20.0
Carbon tetrachloride	Ave	0.2572	0.3518		27.4	20.0	36.8*	30.0
Tetrahydrofuran	Ave	0.1262	0.1191		189	200	-5.6	30.0
1,1,1-Trichloroethane	Lin1		0.3795		23.9	20.0	19.5	30.0
2-Butanone (MEK)	Ave	2.299	2.054		179	200	-10.7	30.0
1,1-Dichloropropene	Ave	0.3191	0.3547		22.2	20.0	11.1	30.0
Benzene	Ave	0.9508	1.010		21.3	20.0	6.3	30.0
1,2-Dichloroethane	Ave	0.2615	0.2824		21.6	20.0	8.0	30.0
Methylcyclohexane	Ave	0.2996	0.3364		22.5	20.0	12.3	30.0
Trichloroethene	Ave	0.2178	0.2419		22.2	20.0	11.0	30.0
Dibromomethane	Ave	0.1470	0.1591		21.6	20.0	8.2	30.0
1,2-Dichloropropane	Ave	0.2098	0.2070		19.7	20.0	-1.4	20.0
Dichlorobromomethane	Ave	0.2529	0.2855		22.6	20.0	12.9	30.0
cis-1,3-Dichloropropene	Ave	0.2965	0.3308		22.3	20.0	11.5	30.0
Toluene	Ave	0.4567	0.4914		21.5	20.0	7.6	20.0
Tetrachloroethene	Ave	0.2172	0.2603		24.0	20.0	19.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	3.643	3.224		177	200	-11.5	30.0
trans-1,3-Dichloropropene	Ave	0.2707	0.3027		22.4	20.0	11.8	30.0
1,1,2-Trichloroethane	Ave	0.1754	0.1823		20.8	20.0	3.9	30.0
Chlorodibromomethane	Lin1		0.2585		23.6	20.0	18.0	30.0
1,3-Dichloropropane	Ave	0.2904	0.3057		21.1	20.0	5.3	30.0
Ethylene Dibromide	Ave	0.2117	0.2393		22.6	20.0	13.0	30.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84387

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-84387/3	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22865.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 1439	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 1439				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84387/4	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22866.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 1501	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 1501				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	113	109	70 - 130	3	25		
1,1,1-Trichloroethane	124	114	70 - 130	8	25		
1,1,2,2-Tetrachloroethane	87	85	70 - 130	2	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	110	99	70 - 130	11	25		
1,1,2-Trichloroethane	106	104	70 - 130	2	25		
1,1-Dichloroethane	110	103	70 - 130	6	25		
1,1-Dichloroethene	119	108	70 - 130	10	25		
1,1-Dichloropropene	115	105	70 - 130	10	25		
1,2,3-Trichlorobenzene	106	103	70 - 130	2	25		
1,2,3-Trichloropropane	97	98	70 - 130	1	25		
1,2,4-Trichlorobenzene	113	108	70 - 130	4	25		
1,2,4-Trimethylbenzene	108	104	70 - 130	4	25		
1,2-Dibromo-3-Chloropropane	100	100	70 - 130	1	25		
1,2-Dichlorobenzene	104	101	70 - 130	2	25		
1,2-Dichloroethane	110	108	70 - 130	2	25		
1,2-Dichloropropane	103	98	70 - 130	4	25		
1,3,5-Trimethylbenzene	108	102	70 - 130	5	25		
1,3-Dichlorobenzene	112	108	70 - 130	4	25		
1,3-Dichloropropane	105	103	70 - 130	2	25		
1,4-Dichlorobenzene	106	102	70 - 130	4	25		
2,2-Dichloropropane	123	113	70 - 130	8	25		
2-Butanone (MEK)	96	95	70 - 130	1	25		
2-Chlorotoluene	102	98	70 - 130	5	25		
2-Hexanone	95	95	70 - 130	0	25		
4-Chlorotoluene	102	98	70 - 130	4	25		
4-Isopropyltoluene	116	109	70 - 130	7	25		
4-Methyl-2-pentanone (MIBK)	94	93	70 - 130	1	25		
Acetone	98	98	70 - 130	0	25		
Acrylonitrile	97	98	70 - 130	2	25		
Benzene	110	104	70 - 130	6	25		
Bromobenzene	95	92	70 - 130	3	25		
Bromoform	106	105	70 - 130	1	25		
Bromomethane	111	100	70 - 130	10	25		
Carbon disulfide	148	138	70 - 130	7	25	*	
Carbon tetrachloride	140	129	70 - 130	8	25	*	
Chlorobenzene	108	104	70 - 130	4	25		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84516

Method: MA-EPH-LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-84516/2-A	Analysis Batch:	360-84720	Instrument ID:	INST R
Client Matrix:	Water	Prep Batch:	360-84516	Lab File ID:	R402061.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/13/2011 1634	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	12/08/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 360-84516/3-A	Analysis Batch:	360-84720	Instrument ID:	INST R
Client Matrix:	Water	Prep Batch:	360-84516	Lab File ID:	R402063.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/13/2011 1708	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	12/08/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	80	76	40 - 140	5	25		
Acenaphthylene	81	77	40 - 140	6	25		
Anthracene	98	90	40 - 140	8	25		
Benzo[a]anthracene	106	96	40 - 140	10	25		
Benzo[a]pyrene	105	97	40 - 140	8	25		
Benzo[b]fluoranthene	117	103	40 - 140	13	25		
Benzo[g,h,i]perylene	118	110	40 - 140	7	25		
Benzo[k]fluoranthene	105	99	40 - 140	6	25		
Chrysene	103	94	40 - 140	10	25		
Dibenz(a,h)anthracene	110	105	40 - 140	5	25		
Fluoranthene	97	88	40 - 140	10	25		
Fluorene	89	83	40 - 140	7	25		
Indeno[1,2,3-cd]pyrene	124	111	40 - 140	10	25		
2-Methylnaphthalene	77	72	40 - 140	6	25		
Naphthalene	70	65	40 - 140	7	25		
Phenanthrene	93	85	40 - 140	9	25		
Pyrene	93	85	40 - 140	9	25		
C11-C22 Aromatics	98	91	40 - 140	8	25		
C19-C36 Aliphatics	94	82	40 - 140	13	25		
C9-C18 Aliphatics	53	52	40 - 140	2	25		
C19	88	86	40 - 140	2	25		
Dodecane	54	50	40 - 140	8	25		
Hexadecane	81	80	40 - 140	2	25		
icosane	82	80	40 - 140	2	25		
n-Decane	38	32	40 - 140	16	25	*	
n-Docosane	84	82	40 - 140	2	25		
n-Hexacosane	92	90	40 - 140	2	25		
n-Hexatriacontane	109	105	40 - 140	4	25		
n-Nonane	33	28	30 - 140	18	25		
n-Octacosane	82	80	40 - 140	2	25		
n-Octadecane	86	84	40 - 140	2	25		
n-Tetracosane	84	83	40 - 140	2	25		
n-Tetradecane	69	67	40 - 140	3	25		
Triacontane	90	88	40 - 140	2	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Matrix: Water Level: Low Lab File ID: R402061.D

Lab ID: LCS 360-84516/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	100	80.4	80	40-140	
Acenaphthylene	100	81.4	81	40-140	
Anthracene	100	97.8	98	40-140	
Benzo[a]anthracene	100	106	106	40-140	
Benzo[a]pyrene	100	105	105	40-140	
Benzo[b]fluoranthene	100	117	117	40-140	
Benzo[g,h,i]perylene	100	118	118	40-140	
Benzo[k]fluoranthene	100	105	105	40-140	
Chrysene	100	103	103	40-140	
Dibenz(a,h)anthracene	100	110	110	40-140	
Fluoranthene	100	97.0	97	40-140	
Fluorene	100	89.0	89	40-140	
Indeno[1,2,3-cd]pyrene	100	124	124	40-140	
2-Methylnaphthalene	100	77.0	77	40-140	
Naphthalene	100	69.8	70	40-140	
Phenanthrene	100	93.2	93	40-140	
Pyrene	100	93.0	93	40-140	
C11-C22 Aromatics	1700	1670	98	40-140	
C19-C36 Aliphatics	800	751	94	40-140	
C9-C18 Aliphatics	600	317	53	40-140	
C19	100	88.0	88	40-140	
Dodecane	100	53.8	54	40-140	
Hexadecane	100	81.0	81	40-140	
icosane	100	82.0	82	40-140	
n-Decane	100	38.2	38	40-140	*
n-Docosane	100	84.0	84	40-140	
n-Hexacosane	100	92.2	92	40-140	
n-Hexatriacontane	100	109	109	40-140	
n-Nonane	100	33.4	33	30-140	
n-Octacosane	100	82.4	82	40-140	
n-Octadecane	100	85.6	86	40-140	
n-Tetracosane	100	84.0	84	40-140	
n-Tetradecane	100	68.6	69	40-140	
Triacontane	100	90.2	90	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH-LL

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Matrix: Water Level: Low Lab File ID: R402063.D

Lab ID: LCSD 360-84516/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	100	76.2	76	5	25	40-140	
Acenaphthylene	100	76.6	77	6	25	40-140	
Anthracene	100	90.0	90	8	25	40-140	
Benzo[a]anthracene	100	96.0	96	10	25	40-140	
Benzo[a]pyrene	100	97.2	97	8	25	40-140	
Benzo[b]fluoranthene	100	103	103	13	25	40-140	
Benzo[g,h,i]perylene	100	110	110	7	25	40-140	
Benzo[k]fluoranthene	100	99.0	99	6	25	40-140	
Chrysene	100	93.8	94	10	25	40-140	
Dibenz(a,h)anthracene	100	105	105	5	25	40-140	
Fluoranthene	100	88.2	88	10	25	40-140	
Fluorene	100	83.2	83	7	25	40-140	
Indeno[1,2,3-cd]pyrene	100	111	111	10	25	40-140	
2-Methylnaphthalene	100	72.4	72	6	25	40-140	
Naphthalene	100	65.0	65	7	25	40-140	
Phenanthrene	100	84.8	85	9	25	40-140	
Pyrene	100	84.8	85	9	25	40-140	
C11-C22 Aromatics	1700	1540	91	8	25	40-140	
C19-C36 Aliphatics	800	658	82	13	25	40-140	
C9-C18 Aliphatics	600	310	52	2	25	40-140	
C19	100	86.0	86	2	25	40-140	
Dodecane	100	49.6	50	8	25	40-140	
Hexadecane	100	79.6	80	2	25	40-140	
icosane	100	80.0	80	2	25	40-140	
n-Decane	100	32.4	32	16	25	40-140	
n-Docosane	100	82.0	82	2	25	40-140	
n-Hexacosane	100	90.0	90	2	25	40-140	
n-Hexatriacontane	100	105	105	4	25	40-140	
n-Nonane	100	28.0	28	18	25	30-140	
n-Octacosane	100	80.4	80	2	25	40-140	
n-Octadecane	100	84.0	84	2	25	40-140	
n-Tetracosane	100	82.6	83	2	25	40-140	
n-Tetradecane	100	66.6	67	3	25	40-140	
Triacontane	100	88.2	88	2	25	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH-LL

Tetra Tech **INTERNAL CORRESPONDENCE**

PHIL-24644

TO: **BRANDON SMITH** **DATE:** **JANUARY 24, 2012**

FROM: **MEGAN RITCHIE** **COPIES:** **DV FILE**

SUBJECT: **INORGANIC AND ORGANIC DATA VALIDATION – VOC/EPH/METALS**
FORMER BEATON & CORBIN BROWNSFIELD SITE, SOUTHINGTON, CONNECTICUT
SAMPLE DELIVERY GROUP (SDG) 360-J37832-1

SAMPLES: 10/Solid/VOC/EPH/METALS

BC-SO-SB128-0002	BC-SO-SB132-1012	BC-SO-SB303-0204
BC-SO-SB129-0204	BC-SO-SB133-0002	BC-SO-DUP01
BC-SO-SB130-0810	BC-SO-SB301-0608	
BC-SO-SB131-1012	BC-SO-SB302-0810	

1/Aqueous/VOC

BC-TB-112811

Overview

The sample set for the Former Beaton & Corbin Brownsfield Site, Southington, CT, SDG 360-J37832-1 consisted of ten (10) solid environmental samples (designated BC-SO-SB- and BC-SO-DUP-) and one (1) trip blank (designated BC-TB-). All samples (except the trip blank) were analyzed for volatile organic compounds (VOCs), extractable petroleum hydrocarbons (EPH), and metals. One field duplicate pair was included in this SDG: BC-SO-SB129-0204 and BC-SO-DUP01.

The samples were collected by eTech Environmental & Safety Solutions, Inc. (eTech) on November 28, 2011 and analyzed by the TestAmerica laboratory in Westfield, Massachusetts.

All analyses were conducted in accordance with SW-846 Methods 8260B for VOCs, 6010B for metals, and 7471A for mercury. EPH was analyzed using the Massachusetts Department of Environmental Protection Extractable Petroleum Hydrocarbons Method (MADEP-EPH). A limited data validation was performed based on the following parameters:

* • Data Completeness
* • Holding Times
* • GC/MS Instrument Tuning and System Performance
• Initial and Continuing Calibrations
* • Laboratory Method Blank Results
* • Surrogate Spike Recoveries
* • Internal Standard Areas
• MS/MSD Sample Results
• Laboratory Control Sample (LCS) Results
* • ICP Interference Check Sample Results
* • ICP Serial Dilution Results
* • Field Duplicate Precision

- Laboratory Duplicate Results
* • Analyte Identification

The asterisk (*) indicates that all quality control criteria were met for this parameter. Qualified (if applicable) analytical results are summarized in Appendix A. Results as reported by the laboratory are presented in Appendix B. Appendix C contains the documentation to support the findings as discussed in this data validation report. Limited validation was performed on the data in this SDG and includes data completeness, holding times, quality control recoveries and limits from laboratory forms, and a review for false positives and false negatives. The text of this report has been formulated to address only those areas affecting data quality.

INITIAL CALIBRATION

The non-detected results for acrylonitrile and tetrahydrofuran in all samples were qualified as unusable (R) due to the initial calibration average relative response factor (RRF) less than 0.05.

MS

The MS recovery for barium was less than the lower QC limit of 75%. The positive results for barium in all samples were qualified as estimated (J).

LABORATORY DUPLICATE

The laboratory duplicate relative percent difference (RPD) for lead exceeded the QC criterion of 35%. The positive results for lead in all samples were qualified as estimated (J).

NOTES

The continuing calibration percent differences (%D) exceeded the QC limit of 30% for chloroethane, 2-butanone, 2-hexanone, m,p-xylene, n-propylbenzene, 2-chlorotoluene, trans-1,4-dichloro-2-butene, and 4-methyl-2-pentanone. No qualifications were made because there were no detected results for these analytes or the non-detected results were previously qualified as unusable due to exceedance of initial calibration criteria.

The VOC laboratory control sample (LCS) percent recoveries (%Rs) exceeded the upper QC limit of 130% for 4-methyl-2-pentanone, chloroethane, n-propylbenzene, and trans-1,4-dichloro-2-butene. No qualifications were made because there were no positive results for these analytes.

The results were reported to the Reporting Limit (RL) by the laboratory (rather than to the Method Detection Limit (MDL) and reported with “J” flag).

EPH results were acceptable as reported by the laboratory.

EXECUTIVE SUMMARY

Laboratory Performance: Two VOC initial calibration RRFs exceeded the QC criteria. Eight VOC continuing calibration %Ds exceeded the QC criterion. LCS/LCSD recoveries were outside QC limits for four VOCs. The laboratory duplicate RPD exceeded the QC criterion for lead.

Other Factors Affecting Data Quality: MS/MSD recoveries were outside QC limits for barium.

The limited data validation performed for these analyses were completed with reference to the criteria for SW-846 Methods 8260B, 6010B, and 7470A and MADEP-EPH-LL listed in the project specific QAPP addendum and the "USEPA Region 1 Laboratory Data Validation Functional Guidelines – Part II" (12/96).

Megan Ritchie
_____
Tetra Tech
Megan Ritchie
Chemist/Data Validator

Russell Sloboda
_____
Tetra Tech
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Data Validation Quality Assurance Officer

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C – Support Documentation

APPENDIX A

QUALIFIED LABORATORY RESULTS

PROJ_NO: 03599	NSAMPLE	BC-SO-SB128-0002			BC-SO-SB129-0204			BC-SO-SB130-0810			BC-SO-SB131-1012		
SDG: 360-37832	LAB_ID	360-37832-6			360-37832-9			360-37832-10			360-37832-5		
FRACTION: PETS	SAMP_DATE	11/28/2011			11/28/2011			11/28/2011			11/28/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	91.8			94.1			87.8			91.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
2-METHYLNAPHTHALENE		0.36	U		0.34	U		0.37	U		0.36	U	
ACENAPHTHENE		0.36	U		0.34	U		0.37	U		0.36	U	
ACENAPHTHYLENE		0.36	U		0.34	U		0.37	U		0.36	U	
ANTHRACENE		0.36	U		0.34	U		0.37	U		0.36	U	
BENZO(A)ANTHRACENE		0.36	U		0.34	U		0.37	U		0.36	U	
BENZO(A)PYRENE		0.36	U		0.34	U		0.37	U		0.36	U	
BENZO(B)FLUORANTHENE		0.36	U		0.34	U		0.37	U		0.36	U	
BENZO(G,H,I)PERYLENE		0.36	U		0.34	U		0.37	U		0.36	U	
BENZO(K)FLUORANTHENE		0.36	U		0.34	U		0.37	U		0.36	U	
C11-C22 AROMATICS		4.2			3.4	U		3.7	U		3.6	U	
C11-C22 AROMATICS-UNADJ		4.2			3.4	U		3.7	U		3.6	U	
C19-C36 ALIPHATICS		3.6			3.4	U		3.7	U		3.6	U	
C9-C18 ALIPHATICS		3.6	U		3.4	U		3.7	U		3.6	U	
CHRYSENE		0.36	U		0.34	U		0.37	U		0.36	U	
DIBENZO(A,H)ANTHRACENE		0.36	U		0.34	U		0.37	U		0.36	U	
FLUORANTHENE		0.36	U		0.34	U		0.37	U		0.36	U	
FLUORENE		0.36	U		0.34	U		0.37	U		0.36	U	
INDENO(1,2,3-CD)PYRENE		0.36	U		0.34	U		0.37	U		0.36	U	
NAPHTHALENE		0.36	U		0.34	U		0.37	U		0.36	U	
PHENANTHRENE		0.36	U		0.34	U		0.37	U		0.36	U	
PYRENE		0.36	U		0.34	U		0.37	U		0.36	U	
TOTAL EPH		7.8			3.4	U		3.7	U		3.6	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB132-1012			BC-SO-SB133-0002			BC-SO-SB301-0608			BC-SO-SB302-0810		
SDG: 360-37832	LAB_ID	360-37832-8			360-37832-3			360-37832-1			360-37832-2		
FRACTION: PETS	SAMP_DATE	11/28/2011			11/28/2011			11/28/2011			11/28/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	86.5			89.6			78.0			89.7		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
2-METHYLNAPHTHALENE		0.38	U		0.36	U		0.42	U		0.37	U	
ACENAPHTHENE		0.38	U		0.36	U		0.42	U		0.37	U	
ACENAPHTHYLENE		0.38	U		0.36	U		0.42	U		0.37	U	
ANTHRACENE		0.38	U		0.36	U		0.42	U		0.37	U	
BENZO(A)ANTHRACENE		0.38	U		0.36	U		0.42	U		0.37	U	
BENZO(A)PYRENE		0.38	U		0.36	U		0.42	U		0.37	U	
BENZO(B)FLUORANTHENE		0.38	U		0.36	U		0.42	U		0.37	U	
BENZO(G,H,I)PERYLENE		0.38	U		0.36	U		0.42	U		0.37	U	
BENZO(K)FLUORANTHENE		0.38	U		0.36	U		0.42	U		0.37	U	
C11-C22 AROMATICS		3.8	U		21			5.8			10		
C11-C22 AROMATICS-UNADJ		3.8	U		21			5.8			10		
C19-C36 ALIPHATICS		3.8	U		43			9.1			12		
C9-C18 ALIPHATICS		3.8	U		3.6	U		28			3.7	U	
CHRYSENE		0.38	U		0.36	U		0.42	U		0.37	U	
DIBENZO(A,H)ANTHRACENE		0.38	U		0.36	U		0.42	U		0.37	U	
FLUORANTHENE		0.38	U		0.36	U		0.42	U		0.37	U	
FLUORENE		0.38	U		0.36	U		0.42	U		0.37	U	
INDENO(1,2,3-CD)PYRENE		0.38	U		0.36	U		0.42	U		0.37	U	
NAPHTHALENE		0.38	U		0.36	U		0.42	U		0.37	U	
PHENANTHRENE		0.38	U		0.36	U		0.42	U		0.37	U	
PYRENE		0.38	U		0.36	U		0.42	U		0.37	U	
TOTAL EPH		3.8	U		64			43			22		

PROJ_NO: 03599	NSAMPLE	BC-SO-SB303-0204			BC-SO-SBDUP01		
SDG: 360-37832	LAB_ID	360-37832-7			360-37832-4		
FRACTION: PETS	SAMP_DATE	11/28/2011			11/28/2011		
MEDIA: SOIL	QC_TYPE	NM			FD		
	UNITS	MG/KG			MG/KG		
	PCT_SOLIDS	86.7			93.6		
	DUP_OF				BC-SO-SB129-0204		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
2-METHYLNAPHTHALENE		0.38	U		0.35	U	
ACENAPHTHENE		0.38	U		0.35	U	
ACENAPHTHYLENE		0.38	U		0.35	U	
ANTHRACENE		0.38	U		0.35	U	
BENZO(A)ANTHRACENE		0.38	U		0.35	U	
BENZO(A)PYRENE		0.38	U		0.35	U	
BENZO(B)FLUORANTHENE		0.38	U		0.35	U	
BENZO(G,H,I)PERYLENE		0.38	U		0.35	U	
BENZO(K)FLUORANTHENE		0.38	U		0.35	U	
C11-C22 AROMATICS		4.2			3.5	U	
C11-C22 AROMATICS-UNADJ		4.2			3.5	U	
C19-C36 ALIPHATICS		3.8	U		6.1		
C9-C18 ALIPHATICS		3.8	U		3.5	U	
CHRYSENE		0.38	U		0.35	U	
DIBENZO(A,H)ANTHRACENE		0.38	U		0.35	U	
FLUORANTHENE		0.38	U		0.35	U	
FLUORENE		0.38	U		0.35	U	
INDENO(1,2,3-CD)PYRENE		0.38	U		0.35	U	
NAPHTHALENE		0.38	U		0.35	U	
PHENANTHRENE		0.38	U		0.35	U	
PYRENE		0.38	U		0.35	U	
TOTAL EPH		4.2			6.1		

PROJ_NO: 03599	NSAMPLE	BC-SO-SB128-0002			BC-SO-SB129-0204			BC-SO-SB130-0810			BC-SO-SB131-1012		
SDG: 360-37832	LAB_ID	360-37832-6			360-37832-9			360-37832-10			360-37832-5		
FRACTION: OV	SAMP_DATE	11/28/2011			11/28/2011			11/28/2011			11/28/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	91.8			94.1			87.8			91.0		
	DUP_OF				BC-SO-SB129-0204								
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		3.6	U		2.7	U		1.6	U		2	U	
1,1,1-TRICHLOROETHANE		3.6	U		2.7	U		1.6	U		2.2		
1,1,2,2-TETRACHLOROETHANE		3.6	U		2.7	U		1.6	U		2	U	
1,1,2-TRICHLOROETHANE		3.6	U		2.7	U		1.6	U		2	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		18	U		14	U		7.9	U		10	U	
1,1-DICHLOROETHANE		3.6	U		2.7	U		1.6	U		2	U	
1,1-DICHLOROETHENE		3.6	U		2.7	U		1.6	U		2	U	
1,1-DICHLOROPROPENE		3.6	U		2.7	U		1.6	U		2	U	
1,2,3-TRICHLOROBENZENE		3.6	U		2.7	U		1.6	U		2	U	
1,2,3-TRICHLOROPROPANE		3.6	U		2.7	U		1.6	U		2	U	
1,2,4-TRICHLOROBENZENE		3.6	U		2.7	U		1.6	U		2	U	
1,2,4-TRIMETHYLBENZENE		3.6	U		2.7	U		1.6	U		2	U	
1,2-DIBROMO-3-CHLOROPROPANE		36	U		27	U		16	U		20	U	
1,2-DIBROMOETHANE		3.6	U		2.7	U		1.6	U		2	U	
1,2-DICHLOROBENZENE		3.6	U		2.7	U		1.6	U		2	U	
1,2-DICHLOROETHANE		3.6	U		2.7	U		1.6	U		2	U	
1,2-DICHLOROPROPANE		3.6	U		2.7	U		1.6	U		2	U	
1,3,5-TRIMETHYLBENZENE		3.6	U		2.7	U		1.6	U		2	U	
1,3-DICHLOROBENZENE		3.6	U		2.7	U		1.6	U		2	U	
1,3-DICHLOROPROPANE		3.6	U		2.7	U		1.6	U		2	U	
1,4-DICHLOROBENZENE		3.6	U		2.7	U		1.6	U		2	U	
2,2-DICHLOROPROPANE		3.6	U		2.7	U		1.6	U		2	U	
2-BUTANONE		36	U		27	U		16	U		20	U	
2-CHLOROTOLUENE		3.6	U		2.7	U		1.6	U		2	U	
2-HEXANONE		36	U		27	U		16	U		20	U	
4-CHLOROTOLUENE		3.6	U		2.7	U		1.6	U		2	U	
4-ISOPROPYLTOLUENE		3.6	U		2.7	U		1.6	U		2	U	
4-METHYL-2-PENTANONE		36	U		27	U		16	U		20	U	
ACETONE		360	U		270	U		160	U		200	U	
ACRYLONITRILE		36	UR	C	27	UR	C	16	UR	C	20	UR	C
BENZENE		3.6	U		2.7	U		1.6	U		2	U	
BROMOBENZENE		3.6	U		2.7	U		1.6	U		2	U	
BROMODICHLOROMETHANE		3.6	U		2.7	U		1.6	U		2	U	
BROMOFORM		3.6	U		2.7	U		1.6	U		2	U	
BROMOMETHANE		7.2	U		5.4	U		3.2	U		4	U	
CARBON DISULFIDE		3.6	U		2.7	U		1.6	U		2	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB132-1012			BC-SO-SB133-0002			BC-SO-SB301-0608			BC-SO-SB302-0810		
SDG: 360-37832	LAB_ID	360-37832-8			360-37832-3			360-37832-1			360-37832-2		
FRACTION: OV	SAMP_DATE	11/28/2011			11/28/2011			11/28/2011			11/28/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	86.5			89.6			78.0			89.7		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		2.8	U		2.4	U		160	U		2.7	U	
1,1,1-TRICHLOROETHANE		270			2.4	U		160	U		3.4		
1,1,2,2-TETRACHLOROETHANE		2.8	U		2.4	U		160	U		2.7	U	
1,1,2-TRICHLOROETHANE		2.8	U		2.4	U		160	U		2.7	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		14	U		12	U		790	U		14	U	
1,1-DICHLOROETHANE		2.8	U		2.4	U		160	U		2.7	U	
1,1-DICHLOROETHENE		11			2.4	U		160	U		2.7	U	
1,1-DICHLOROPROPENE		2.8	U		2.4	U		160	U		2.7	U	
1,2,3-TRICHLOROBENZENE		2.8	U		2.4	U		160	U		2.7	U	
1,2,3-TRICHLOROPROPANE		2.8	U		2.4	U		160	U		2.7	U	
1,2,4-TRICHLOROBENZENE		2.8	U		2.4	U		160	U		2.7	U	
1,2,4-TRIMETHYLBENZENE		2.8	U		2.4	U		160	U		2.7	U	
1,2-DIBROMO-3-CHLOROPROPANE		28	U		24	U		1600	U		27	U	
1,2-DIBROMOETHANE		2.8	U		2.4	U		160	U		2.7	U	
1,2-DICHLOROBENZENE		2.8	U		2.4	U		160	U		2.7	U	
1,2-DICHLOROETHANE		2.8	U		2.4	U		160	U		2.7	U	
1,2-DICHLOROPROPANE		2.8	U		2.4	U		160	U		2.7	U	
1,3,5-TRIMETHYLBENZENE		2.8	U		2.4	U		160	U		2.7	U	
1,3-DICHLOROBENZENE		2.8	U		2.4	U		160	U		2.7	U	
1,3-DICHLOROPROPANE		2.8	U		2.4	U		160	U		2.7	U	
1,4-DICHLOROBENZENE		2.8	U		2.4	U		160	U		2.7	U	
2,2-DICHLOROPROPANE		2.8	U		2.4	U		160	U		2.7	U	
2-BUTANONE		28	U		24	U		1600	U		27	U	
2-CHLOROTOLUENE		2.8	U		2.4	U		160	U		2.7	U	
2-HEXANONE		28	U		24	U		1600	U		27	U	
4-CHLOROTOLUENE		2.8	U		2.4	U		160	U		2.7	U	
4-ISOPROPYLTOLUENE		2.8	U		2.4	U		220			2.7	U	
4-METHYL-2-PENTANONE		28	U		24	U		1600	U		27	U	
ACETONE		280	U		240	U		16000	U		270	U	
ACRYLONITRILE		28	UR	C	24	UR	C	1600	UR	C	27	UR	C
BENZENE		2.8	U		2.4	U		160	U		2.7	U	
BROMOBENZENE		2.8	U		2.4	U		160	U		2.7	U	
BROMODICHLOROMETHANE		2.8	U		2.4	U		160	U		2.7	U	
BROMOFORM		2.8	U		2.4	U		160	U		2.7	U	
BROMOMETHANE		5.5	U		4.9	U		310	U		5.4	U	
CARBON DISULFIDE		2.8	U		2.4	U		160	U		2.7	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB303-0204			BC-SO-SBDUP01			BC-TB-112811		
SDG: 360-37832	LAB_ID	360-37832-7			360-37832-4			360-37832-11		
FRACTION: OV	SAMP_DATE	11/28/2011			11/28/2011			11/28/2011		
MEDIA: SOIL	QC_TYPE	NM			FD			TB		
	UNITS	UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	86.7			93.6					
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		2.7	U		2.5	U		2.5	U	
1,1,1-TRICHLOROETHANE		2.7	U		2.5	U		2.5	U	
1,1,2,2-TETRACHLOROETHANE		2.7	U		2.5	U		2.5	U	
1,1,2-TRICHLOROETHANE		2.7	U		2.5	U		2.5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		13	U		13	U		13	U	
1,1-DICHLOROETHANE		2.7	U		2.5	U		2.5	U	
1,1-DICHLOROETHENE		2.7	U		2.5	U		2.5	U	
1,1-DICHLOROPROPENE		2.7	U		2.5	U		2.5	U	
1,2,3-TRICHLOROBENZENE		2.7	U		2.5	U		2.5	U	
1,2,3-TRICHLOROPROPANE		2.7	U		2.5	U		2.5	U	
1,2,4-TRICHLOROBENZENE		2.7	U		2.5	U		2.5	U	
1,2,4-TRIMETHYLBENZENE		2.7	U		2.5	U		2.5	U	
1,2-DIBROMO-3-CHLOROPROPANE		27	U		25	U		25	U	
1,2-DIBROMOETHANE		2.7	U		2.5	U		2.5	U	
1,2-DICHLOROBENZENE		2.7	U		2.5	U		2.5	U	
1,2-DICHLOROETHANE		2.7	U		2.5	U		2.5	U	
1,2-DICHLOROPROPANE		2.7	U		2.5	U		2.5	U	
1,3,5-TRIMETHYLBENZENE		2.7	U		2.5	U		2.5	U	
1,3-DICHLOROBENZENE		2.7	U		2.5	U		2.5	U	
1,3-DICHLOROPROPANE		2.7	U		2.5	U		2.5	U	
1,4-DICHLOROBENZENE		2.7	U		2.5	U		2.5	U	
2,2-DICHLOROPROPANE		2.7	U		2.5	U		2.5	U	
2-BUTANONE		27	U		25	U		25	U	
2-CHLOROTOLUENE		2.7	U		2.5	U		2.5	U	
2-HEXANONE		27	U		25	U		25	U	
4-CHLOROTOLUENE		2.7	U		2.5	U		2.5	U	
4-ISOPROPYLTOLUENE		2.7	U		2.5	U		2.5	U	
4-METHYL-2-PENTANONE		27	U		25	U		25	U	
ACETONE		270	U		250	U		250	U	
ACRYLONITRILE		27	UR	C	25	UR	C	25	UR	C
BENZENE		2.7	U		2.5	U		2.5	U	
BROMOBENZENE		2.7	U		2.5	U		2.5	U	
BROMODICHLOROMETHANE		2.7	U		2.5	U		2.5	U	
BROMOFORM		2.7	U		2.5	U		2.5	U	
BROMOMETHANE		5.3	U		5	U		5	U	
CARBON DISULFIDE		2.7	U		2.5	U		2.5	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB128-0002			BC-SO-SB129-0204			BC-SO-SB130-0810			BC-SO-SB131-1012		
SDG: 360-37832	LAB_ID	360-37832-6			360-37832-9			360-37832-10			360-37832-5		
FRACTION: OV	SAMP_DATE	11/28/2011			11/28/2011			11/28/2011			11/28/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	91.8			94.1			87.8			91.0		
	DUP_OF				BC-SO-SB129-0204								
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON TETRACHLORIDE		3.6	U		2.7	U		1.6	U		2	U	
CHLOROBENZENE		3.6	U		2.7	U		1.6	U		2	U	
CHLORODIBROMOMETHANE		3.6	U		2.7	U		1.6	U		2	U	
CHLOROETHANE		7.2	U		5.4	U		3.2	U		4	U	
CHLOROFORM		3.6	U		2.7	U		1.6	U		2	U	
CHLOROMETHANE		7.2	U		5.4	U		3.2	U		4	U	
CIS-1,2-DICHLOROETHENE		3.6	U		2.7	U		1.6	U		2	U	
CIS-1,3-DICHLOROPROPENE		3.6	U		2.7	U		1.6	U		2	U	
DIBROMOMETHANE		3.6	U		2.7	U		1.6	U		2	U	
DICHLORODIFLUOROMETHANE		7.2	U		5.4	U		3.2	U		4	U	
ETHYLBENZENE		3.6	U		2.7	U		1.6	U		2	U	
HEXACHLOROBUTADIENE		3.6	U		2.7	U		1.6	U		2	U	
ISOPROPYLBENZENE		3.6	U		2.7	U		1.6	U		2	U	
M+P-XYLENES		7.2	U		5.4	U		3.2	U		4	U	
METHYL TERT-BUTYL ETHER		3.6	U		2.7	U		1.6	U		2	U	
METHYLENE CHLORIDE		14	U		11	U		6.3	U		8.1	U	
NAPHTHALENE		36	U		27	U		16	U		20	U	
N-BUTYLBENZENE		3.6	U		2.7	U		1.6	U		2	U	
N-PROPYLBENZENE		3.6	U		2.7	U		1.6	U		2	U	
O-XYLENE		3.6	U		2.7	U		1.6	U		2	U	
SEC-BUTYLBENZENE		3.6	U		2.7	U		1.6	U		2	U	
STYRENE		3.6	U		2.7	U		1.6	U		2	U	
TERT-BUTYLBENZENE		3.6	U		2.7	U		1.6	U		2	U	
TETRACHLOROETHENE		6.9			2.7	U		1.6	U		4		
TETRAHYDROFURAN		72	UR	C	54	UR	C	32	UR	C	40	UR	C
TOLUENE		3.6	U		2.7	U		1.6	U		2	U	
TOTAL XYLENES		7.2	U		5.4	U		3.2	U		4	U	
TRANS-1,2-DICHLOROETHENE		3.6	U		2.7	U		1.6	U		2	U	
TRANS-1,3-DICHLOROPROPENE		3.6	U		2.7	U		1.6	U		2	U	
TRANS-1,4-DICHLORO-2-BUTENE		7.2	UR	C	5.4	UR	C	3.2	UR	C	4	UR	C
TRICHLOROETHENE		74			5.6			31			10		
TRICHLOROFLUOROMETHANE		7.2	U		5.4	U		3.2	U		4	U	
VINYL CHLORIDE		3.6	U		2.7	U		1.6	U		2	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB132-1012			BC-SO-SB133-0002			BC-SO-SB301-0608			BC-SO-SB302-0810		
SDG: 360-37832	LAB_ID	360-37832-8			360-37832-3			360-37832-1			360-37832-2		
FRACTION: OV	SAMP_DATE	11/28/2011			11/28/2011			11/28/2011			11/28/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	86.5			89.6			78.0			89.7		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON TETRACHLORIDE		2.8	U		2.4	U		160	U		2.7	U	
CHLOROBENZENE		2.8	U		2.4	U		160	U		2.7	U	
CHLORODIBROMOMETHANE		2.8	U		2.4	U		160	U		2.7	U	
CHLOROETHANE		5.5	U		4.9	U		310	U		5.4	U	
CHLOROFORM		2.8	U		2.4	U		160	U		2.7	U	
CHLOROMETHANE		5.5	U		4.9	U		310	U		5.4	U	
CIS-1,2-DICHLOROETHENE		10			2.4	U		160	U		2.7	U	
CIS-1,3-DICHLOROPROPENE		2.8	U		2.4	U		160	U		2.7	U	
DIBROMOMETHANE		2.8	U		2.4	U		160	U		2.7	U	
DICHLORODIFLUOROMETHANE		5.5	U		4.9	U		310	U		5.4	U	
ETHYLBENZENE		2.8	U		2.4	U		160	U		2.7	U	
HEXACHLOROBUTADIENE		2.8	U		2.4	U		160	U		2.7	U	
ISOPROPYLBENZENE		2.8	U		2.4	U		160	U		2.7	U	
M+P-XYLENES		5.5	U		4.9	U		310	U		5.4	U	
METHYL TERT-BUTYL ETHER		2.8	U		2.4	U		160	U		2.7	U	
METHYLENE CHLORIDE		11	U		9.8	U		630	U		11	U	
NAPHTHALENE		28	U		24	U		1600	U		27	U	
N-BUTYLBENZENE		2.8	U		2.4	U		170			2.7	U	
N-PROPYLBENZENE		2.8	U		2.4	U		160	U		2.7	U	
O-XYLENE		5.8			2.4	U		160	U		2.7	U	
SEC-BUTYLBENZENE		2.8	U		2.4	U		280			2.7	U	
STYRENE		2.8	U		2.4	U		160	U		2.7	U	
TERT-BUTYLBENZENE		2.8	U		2.4	U		160	U		2.7	U	
TETRACHLOROETHENE		20			2.4	U		160	U		14		
TETRAHYDROFURAN		55	UR	C	49	UR	C	3100	UR	C	54	UR	C
TOLUENE		2.8	U		2.4	U		160	U		2.7	U	
TOTAL XYLENES		5.8			4.9	U		310	U		5.4	U	
TRANS-1,2-DICHLOROETHENE		2.8	U		2.4	U		160	U		2.7	U	
TRANS-1,3-DICHLOROPROPENE		2.8	U		2.4	U		160	U		2.7	U	
TRANS-1,4-DICHLORO-2-BUTENE		5.5	UR	C	4.9	UR	C	310	UR	C	5.4	UR	C
TRICHLOROETHENE		470			2.4	U		160	U		130		
TRICHLOROFLUOROMETHANE		5.5	U		4.9	U		310	U		5.4	U	
VINYL CHLORIDE		2.8	U		2.4	U		160	U		2.7	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB303-0204			BC-SO-SBDUP01			BC-TB-112811		
SDG: 360-37832	LAB_ID	360-37832-7			360-37832-4			360-37832-11		
FRACTION: OV	SAMP_DATE	11/28/2011			11/28/2011			11/28/2011		
MEDIA: SOIL	QC_TYPE	NM			FD			TB		
	UNITS	UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	86.7			93.6					
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON TETRACHLORIDE		2.7	U		2.5	U		2.5	U	
CHLOROBENZENE		2.7	U		2.5	U		2.5	U	
CHLORODIBROMOMETHANE		2.7	U		2.5	U		2.5	U	
CHLOROETHANE		5.3	U		5	U		5	U	
CHLOROFORM		2.7	U		2.5	U		2.5	U	
CHLOROMETHANE		5.3	U		5	U		5	U	
CIS-1,2-DICHLOROETHENE		2.7	U		2.5	U		2.5	U	
CIS-1,3-DICHLOROPROPENE		2.7	U		2.5	U		2.5	U	
DIBROMOMETHANE		2.7	U		2.5	U		2.5	U	
DICHLORODIFLUOROMETHANE		5.3	U		5	U		5	U	
ETHYLBENZENE		2.7	U		2.5	U		2.5	U	
HEXACHLOROBUTADIENE		2.7	U		2.5	U		2.5	U	
ISOPROPYLBENZENE		2.7	U		2.5	U		2.5	U	
M+P-XYLENES		5.3	U		5	U		5	U	
METHYL TERT-BUTYL ETHER		2.7	U		2.5	U		2.5	U	
METHYLENE CHLORIDE		11	U		10	U		10	U	
NAPHTHALENE		27	U		25	U		25	U	
N-BUTYLBENZENE		2.7	U		2.5	U		2.5	U	
N-PROPYLBENZENE		2.7	U		2.5	U		2.5	U	
O-XYLENE		2.7	U		2.5	U		2.5	U	
SEC-BUTYLBENZENE		2.7	U		2.5	U		2.5	U	
STYRENE		2.7	U		2.5	U		2.5	U	
TERT-BUTYLBENZENE		2.7	U		2.5	U		2.5	U	
TETRACHLOROETHENE		2.7	U		2.5	U		2.5	U	
TETRAHYDROFURAN		53	UR	C	50	UR	C	50	UR	C
TOLUENE		2.7	U		2.5	U		2.5	U	
TOTAL XYLENES		5.3	U		5	U		5	U	
TRANS-1,2-DICHLOROETHENE		2.7	U		2.5	U		2.5	U	
TRANS-1,3-DICHLOROPROPENE		2.7	U		2.5	U		2.5	U	
TRANS-1,4-DICHLORO-2-BUTENE		5.3	UR	C	5	UR	C	5	UR	C
TRICHLOROETHENE		2.7	U		3.5			2.5	U	
TRICHLOROFLUOROMETHANE		5.3	U		5	U		5	U	
VINYL CHLORIDE		2.7	U		2.5	U		2.5	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB128-0002			BC-SO-SB129-0204			BC-SO-SB130-0810			BC-SO-SB131-1012		
SDG: 360-37832	LAB_ID	360-37832-6			360-37832-9			360-37832-10			360-37832-5		
FRACTION: M	SAMP_DATE	11/28/2011			11/28/2011			11/28/2011			11/28/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	91.8			94.1			87.8			91.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ARSENIC		1.6			1.2			1.8			1.7		
BARIUM		35	J	D	10	J	D	55	J	D	84	J	D
CADMIUM		0.93			0.23	U		0.29	U		0.26	U	
CHROMIUM		12			6			25			22		
LEAD		3.7	J	F	1.9	J	F	6.9	J	F	6.5	J	F
MERCURY		0.078	U		0.092	U		0.11	U		0.088	U	
SELENIUM		0.72	U		0.58	U		0.73	U		0.64	U	
SILVER		0.72	U		0.58	U		0.73	U		0.64	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB132-1012			BC-SO-SB133-0002			BC-SO-SB301-0608			BC-SO-SB302-0810		
SDG: 360-37832	LAB_ID	360-37832-8			360-37832-3			360-37832-1			360-37832-2		
FRACTION: M	SAMP_DATE	11/28/2011			11/28/2011			11/28/2011			11/28/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	86.5			89.6			78.0			89.7		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ARSENIC		1.8			1.4			1.6	U		2		
BARIUM		82	J	D	59	J	D	75	J	D	54	J	D
CADMIUM		0.25	U		0.23	U		0.31	U		0.23	U	
CHROMIUM		17			14			16			7.9		
LEAD		5.9	J	F	5.6	J	F	17	J	F	27	J	F
MERCURY		0.11	U		0.08	U		1.3			0.086	U	
SELENIUM		0.64	U		0.57	U		0.79	U		0.59	U	
SILVER		0.64	U		0.57	U		0.79	U		0.59	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB303-0204			BC-SO-SBDUP01		
SDG: 360-37832	LAB_ID	360-37832-7			360-37832-4		
FRACTION: M	SAMP_DATE	11/28/2011			11/28/2011		
MEDIA: SOIL	QC_TYPE	NM			FD		
	UNITS	MG/KG			MG/KG		
	PCT_SOLIDS	86.7			93.6		
	DUP_OF				BC-SO-SB129-0204		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
ARSENIC		3.5			1.4		
BARIUM		50	J	D	11	J	D
CADMIUM		0.27	U		0.26	U	
CHROMIUM		9.8			7.2		
LEAD		56	J	F	2.4	J	F
MERCURY		0.089	U		0.076	U	
SELENIUM		0.66	U		0.65	U	
SILVER		0.66	U		0.65	U	

Qualifier Codes:

a = Lab Blank Contamination
b = Field Blank Contamination
c = Calibration (i.e., %RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
d = MS/MSD Noncompliance
e = LSC/LSCD Noncompliance
f = Laboratory Duplicate Imprecision
g = Field Duplicate Imprecision
h = Holding Time Exceedance
i = ICP Serial Dilution Noncompliance
j = GFAA PDS – GFAA MSA's r<0.995 (correlation coefficient)
k = ICP Interference – include ICSAB %Rs
l = Instrument Calibration Range Exceedance
m = Sample Preservation
n = Internal Standard Noncompliance
o = Poor Instrument Performance (i.e. baseline drifting)
p = Uncertainty Near Detection Limit (<2 x IDL for inorganics and < CRQL for organics)
q = Other Problems (can encompass of number of issues)
r = Surrogates Recovery Noncompliance
s = Pesticide/PCB Resolution
t = % Breakdown Noncompliance for DDT and Endrin
u = Pesticide/PCB % Difference Between Columns for Positive Results
v = Non-linear Calibrations, Tuning r <0.995 (correlation coefficient)

Data Qualifier Key:

J - Value is considered estimated due to exceedance of technical quality control or because result is less than the Contract Required Quantitation Limit (CRQL).

U - Value is a non-detected result as reported by the laboratory.

UJ - Non-detected result is considered estimated due to exceedance of technical quality control criteria.

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB301-0608**

Lab Sample ID: 360-37832-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 11/28/2011 1503
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84385	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84384	Lab File ID:	V55223.D
Dilution:	1.0			Initial Weight/Volume:	10.20 g
Analysis Date:	12/01/2011 2338			Final Weight/Volume:	10 g
Prep Date:	12/01/2011 1211				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		160
1,1,1-Trichloroethane		ND		160
1,1,2,2-Tetrachloroethane		ND		160
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		790
1,1,2-Trichloroethane		ND		160
1,1-Dichloroethane		ND		160
1,1-Dichloroethene		ND		160
1,1-Dichloropropene		ND		160
1,2,3-Trichlorobenzene		ND		160
1,2,3-Trichloropropane		ND		160
1,2,4-Trichlorobenzene		ND		160
1,2,4-Trimethylbenzene		ND		160
1,2-Dibromo-3-Chloropropane		ND		1600
1,2-Dichlorobenzene		ND		160
1,2-Dichloroethane		ND		160
1,2-Dichloropropane		ND		160
1,3,5-Trimethylbenzene		ND		160
1,3-Dichlorobenzene		ND		160
1,3-Dichloropropane		ND		160
1,4-Dichlorobenzene		ND		160
2,2-Dichloropropane		ND		160
2-Butanone (MEK)		ND		1600
2-Chlorotoluene		ND		160
2-Hexanone		ND		1600
4-Chlorotoluene		ND		160
4-Isopropyltoluene		220		160
4-Methyl-2-pentanone (MIBK)		ND	*	1600
Acetone		ND		16000
Acrylonitrile		ND		1600
Benzene		ND		160
Bromobenzene		ND		160
Bromoform		ND		160
Bromomethane		ND		310
Carbon disulfide		ND		160
Carbon tetrachloride		ND		160
Chlorobenzene		ND		160
Chlorodibromomethane		ND		160
Chloroethane		ND	*	310
Chloroform		ND		160
Chloromethane		ND		310
cis-1,2-Dichloroethene		ND		160
cis-1,3-Dichloropropene		ND		160
Dibromomethane		ND		160
Dichlorobromomethane		ND		160
Dichlorodifluoromethane		ND		310
Ethylbenzene		ND		160

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB301-0608**

Lab Sample ID: 360-37832-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 11/28/2011 1503
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84385	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84384	Lab File ID:	V55223.D
Dilution:	1.0			Initial Weight/Volume:	10.20 g
Analysis Date:	12/01/2011 2338			Final Weight/Volume:	10 g
Prep Date:	12/01/2011 1211				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		160
Hexachlorobutadiene		ND		160
Isopropylbenzene		ND		160
m-Xylene & p-Xylene		ND		310
Methyl tert-butyl ether		ND		160
Methylene Chloride		ND		630
n-Butylbenzene		170		160
N-Propylbenzene		ND	*	160
Naphthalene		ND		1600
o-Xylene		ND		160
sec-Butylbenzene		280		160
Styrene		ND		160
tert-Butylbenzene		ND		160
Tetrachloroethene		ND		160
Tetrahydrofuran		ND		3100
Toluene		ND		160
trans-1,2-Dichloroethene		ND		160
trans-1,3-Dichloropropene		ND		160
trans-1,4-Dichloro-2-butene		ND		310
Trichloroethene		ND		160
Trichlorofluoromethane		ND		310
Vinyl chloride		ND		160
Xylenes, Total		ND		310

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	114		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	89		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB302-0810**

Lab Sample ID: 360-37832-2
Client Matrix: Solid
% Moisture: 10.3

Date Sampled: 11/28/2011 1540
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55245.D
Dilution:	1.0			Initial Weight/Volume:	5.7 g
Analysis Date:	12/06/2011 2222			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.4
1,1,1-Trichloroethane		ND		2.4
1,1,2,2-Tetrachloroethane		ND		2.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		12
1,1,2-Trichloroethane		ND		2.4
1,1-Dichloroethane		ND		2.4
1,1-Dichloroethene		ND		2.4
1,1-Dichloropropene		ND		2.4
1,2,3-Trichlorobenzene		ND		2.4
1,2,3-Trichloropropane		ND		2.4
1,2,4-Trichlorobenzene		ND		2.4
1,2,4-Trimethylbenzene		ND		2.4
1,2-Dibromo-3-Chloropropane		ND		24
1,2-Dichlorobenzene		ND		2.4
1,2-Dichloroethane		ND		2.4
1,2-Dichloropropane		ND		2.4
1,3,5-Trimethylbenzene		ND		2.4
1,3-Dichlorobenzene		ND		2.4
1,3-Dichloropropane		ND		2.4
1,4-Dichlorobenzene		ND		2.4
2,2-Dichloropropane		ND		2.4
2-Butanone (MEK)		ND		24
2-Chlorotoluene		ND		2.4
2-Hexanone		ND		24
4-Chlorotoluene		ND		2.4
4-Isopropyltoluene		ND		2.4
4-Methyl-2-pentanone (MIBK)		ND	*	24
Acetone		ND		240
Acrylonitrile		ND		24
Benzene		ND		2.4
Bromobenzene		ND		2.4
Bromoform		ND		2.4
Bromomethane		ND		4.9
Carbon disulfide		ND		2.4
Carbon tetrachloride		ND		2.4
Chlorobenzene		ND		2.4
Chlorodibromomethane		ND		2.4
Chloroethane		ND		4.9
Chloroform		ND		2.4
Chloromethane		ND		4.9
cis-1,2-Dichloroethene		ND		2.4
cis-1,3-Dichloropropene		ND		2.4
Dibromomethane		ND		2.4
Dichlorobromomethane		ND		2.4
Dichlorodifluoromethane		ND		4.9
Ethylbenzene		ND		2.4

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB302-0810**

Lab Sample ID: 360-37832-2
Client Matrix: Solid
% Moisture: 10.3

Date Sampled: 11/28/2011 1540
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55245.D
Dilution:	1.0			Initial Weight/Volume:	5.7 g
Analysis Date:	12/06/2011 2222			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.4
Hexachlorobutadiene		ND		2.4
Isopropylbenzene		ND		2.4
m-Xylene & p-Xylene		ND		4.9
Methyl tert-butyl ether		ND		2.4
Methylene Chloride		ND		9.8
n-Butylbenzene		ND		2.4
N-Propylbenzene		ND	*	2.4
Naphthalene		ND		24
o-Xylene		ND		2.4
sec-Butylbenzene		ND		2.4
Styrene		ND		2.4
tert-Butylbenzene		ND		2.4
Tetrachloroethene		ND		2.4
Tetrahydrofuran		ND		49
Toluene		ND		2.4
trans-1,2-Dichloroethene		ND		2.4
trans-1,3-Dichloropropene		ND		2.4
trans-1,4-Dichloro-2-butene		ND	*	4.9
Trichloroethene		ND		2.4
Trichlorofluoromethane		ND		4.9
Vinyl chloride		ND		2.4
Xylenes, Total		ND		4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB133-0002**

Lab Sample ID: 360-37832-3
Client Matrix: Solid
% Moisture: 10.4

Date Sampled: 11/28/2011 1337
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55246.D
Dilution:	1.0			Initial Weight/Volume:	5.13 g
Analysis Date:	12/06/2011 2248			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.7
1,1,1-Trichloroethane		3.4		2.7
1,1,2,2-Tetrachloroethane		ND		2.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		14
1,1,2-Trichloroethane		ND		2.7
1,1-Dichloroethane		ND		2.7
1,1-Dichloroethene		ND		2.7
1,1-Dichloropropene		ND		2.7
1,2,3-Trichlorobenzene		ND		2.7
1,2,3-Trichloropropane		ND		2.7
1,2,4-Trichlorobenzene		ND		2.7
1,2,4-Trimethylbenzene		ND		2.7
1,2-Dibromo-3-Chloropropane		ND		27
1,2-Dichlorobenzene		ND		2.7
1,2-Dichloroethane		ND		2.7
1,2-Dichloropropane		ND		2.7
1,3,5-Trimethylbenzene		ND		2.7
1,3-Dichlorobenzene		ND		2.7
1,3-Dichloropropane		ND		2.7
1,4-Dichlorobenzene		ND		2.7
2,2-Dichloropropane		ND		2.7
2-Butanone (MEK)		ND		27
2-Chlorotoluene		ND		2.7
2-Hexanone		ND		27
4-Chlorotoluene		ND		2.7
4-Isopropyltoluene		ND		2.7
4-Methyl-2-pentanone (MIBK)		ND	*	27
Acetone		ND		270
Acrylonitrile		ND		27
Benzene		ND		2.7
Bromobenzene		ND		2.7
Bromoform		ND		2.7
Bromomethane		ND		5.4
Carbon disulfide		ND		2.7
Carbon tetrachloride		ND		2.7
Chlorobenzene		ND		2.7
Chlorodibromomethane		ND		2.7
Chloroethane		ND		5.4
Chloroform		ND		2.7
Chloromethane		ND		5.4
cis-1,2-Dichloroethene		ND		2.7
cis-1,3-Dichloropropene		ND		2.7
Dibromomethane		ND		2.7
Dichlorobromomethane		ND		2.7
Dichlorodifluoromethane		ND		5.4
Ethylbenzene		ND		2.7

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB133-0002**

Lab Sample ID: 360-37832-3
Client Matrix: Solid
% Moisture: 10.4

Date Sampled: 11/28/2011 1337
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55246.D
Dilution:	1.0			Initial Weight/Volume:	5.13 g
Analysis Date:	12/06/2011 2248			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.7
Hexachlorobutadiene		ND		2.7
Isopropylbenzene		ND		2.7
m-Xylene & p-Xylene		ND		5.4
Methyl tert-butyl ether		ND		2.7
Methylene Chloride		ND		11
n-Butylbenzene		ND		2.7
N-Propylbenzene		ND	*	2.7
Naphthalene		ND		27
o-Xylene		ND		2.7
sec-Butylbenzene		ND		2.7
Styrene		ND		2.7
tert-Butylbenzene		ND		2.7
Tetrachloroethene		14		2.7
Tetrahydrofuran		ND		54
Toluene		ND		2.7
trans-1,2-Dichloroethene		ND		2.7
trans-1,3-Dichloropropene		ND		2.7
trans-1,4-Dichloro-2-butene		ND	*	5.4
Trichloroethene		130		2.7
Trichlorofluoromethane		ND		5.4
Vinyl chloride		ND		2.7
Xylenes, Total		ND		5.4

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8 (Surr)	88		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SBDUP01**

Lab Sample ID: 360-37832-4
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 11/28/2011 0000
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55247.D
Dilution:	1.0			Initial Weight/Volume:	5.32 g
Analysis Date:	12/06/2011 2313			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.5
1,1,1-Trichloroethane		ND		2.5
1,1,2,2-Tetrachloroethane		ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		13
1,1,2-Trichloroethane		ND		2.5
1,1-Dichloroethane		ND		2.5
1,1-Dichloroethene		ND		2.5
1,1-Dichloropropene		ND		2.5
1,2,3-Trichlorobenzene		ND		2.5
1,2,3-Trichloropropane		ND		2.5
1,2,4-Trichlorobenzene		ND		2.5
1,2,4-Trimethylbenzene		ND		2.5
1,2-Dibromo-3-Chloropropane		ND		25
1,2-Dichlorobenzene		ND		2.5
1,2-Dichloroethane		ND		2.5
1,2-Dichloropropane		ND		2.5
1,3,5-Trimethylbenzene		ND		2.5
1,3-Dichlorobenzene		ND		2.5
1,3-Dichloropropane		ND		2.5
1,4-Dichlorobenzene		ND		2.5
2,2-Dichloropropane		ND		2.5
2-Butanone (MEK)		ND		25
2-Chlorotoluene		ND		2.5
2-Hexanone		ND		25
4-Chlorotoluene		ND		2.5
4-Isopropyltoluene		ND		2.5
4-Methyl-2-pentanone (MIBK)		ND	*	25
Acetone		ND		250
Acrylonitrile		ND		25
Benzene		ND		2.5
Bromobenzene		ND		2.5
Bromoform		ND		2.5
Bromomethane		ND		5.0
Carbon disulfide		ND		2.5
Carbon tetrachloride		ND		2.5
Chlorobenzene		ND		2.5
Chlorodibromomethane		ND		2.5
Chloroethane		ND		5.0
Chloroform		ND		2.5
Chloromethane		ND		5.0
cis-1,2-Dichloroethene		ND		2.5
cis-1,3-Dichloropropene		ND		2.5
Dibromomethane		ND		2.5
Dichlorobromomethane		ND		2.5
Dichlorodifluoromethane		ND		5.0
Ethylbenzene		ND		2.5

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SBDUP01**

Lab Sample ID: 360-37832-4
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 11/28/2011 0000
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55247.D
Dilution:	1.0			Initial Weight/Volume:	5.32 g
Analysis Date:	12/06/2011 2313			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.5
Hexachlorobutadiene		ND		2.5
Isopropylbenzene		ND		2.5
m-Xylene & p-Xylene		ND		5.0
Methyl tert-butyl ether		ND		2.5
Methylene Chloride		ND		10
n-Butylbenzene		ND		2.5
N-Propylbenzene		ND	*	2.5
Naphthalene		ND		25
o-Xylene		ND		2.5
sec-Butylbenzene		ND		2.5
Styrene		ND		2.5
tert-Butylbenzene		ND		2.5
Tetrachloroethene		ND		2.5
Tetrahydrofuran		ND		50
Toluene		ND		2.5
trans-1,2-Dichloroethene		ND		2.5
trans-1,3-Dichloropropene		ND		2.5
trans-1,4-Dichloro-2-butene		ND	*	5.0
Trichloroethene		3.5		2.5
Trichlorofluoromethane		ND		5.0
Vinyl chloride		ND		2.5
Xylenes, Total		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8 (Surr)	92		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB131-1012**

Lab Sample ID: 360-37832-5
Client Matrix: Solid
% Moisture: 9.0

Date Sampled: 11/28/2011 1405
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55248.D
Dilution:	1.0			Initial Weight/Volume:	6.81 g
Analysis Date:	12/06/2011 2338			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.0
1,1,1-Trichloroethane		2.2		2.0
1,1,2,2-Tetrachloroethane		ND		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		10
1,1,2-Trichloroethane		ND		2.0
1,1-Dichloroethane		ND		2.0
1,1-Dichloroethene		ND		2.0
1,1-Dichloropropene		ND		2.0
1,2,3-Trichlorobenzene		ND		2.0
1,2,3-Trichloropropane		ND		2.0
1,2,4-Trichlorobenzene		ND		2.0
1,2,4-Trimethylbenzene		ND		2.0
1,2-Dibromo-3-Chloropropane		ND		20
1,2-Dichlorobenzene		ND		2.0
1,2-Dichloroethane		ND		2.0
1,2-Dichloropropane		ND		2.0
1,3,5-Trimethylbenzene		ND		2.0
1,3-Dichlorobenzene		ND		2.0
1,3-Dichloropropane		ND		2.0
1,4-Dichlorobenzene		ND		2.0
2,2-Dichloropropane		ND		2.0
2-Butanone (MEK)		ND		20
2-Chlorotoluene		ND		2.0
2-Hexanone		ND		20
4-Chlorotoluene		ND		2.0
4-Isopropyltoluene		ND		2.0
4-Methyl-2-pentanone (MIBK)		ND	*	20
Acetone		ND		200
Acrylonitrile		ND		20
Benzene		ND		2.0
Bromobenzene		ND		2.0
Bromoform		ND		2.0
Bromomethane		ND		4.0
Carbon disulfide		ND		2.0
Carbon tetrachloride		ND		2.0
Chlorobenzene		ND		2.0
Chlorodibromomethane		ND		2.0
Chloroethane		ND		4.0
Chloroform		ND		2.0
Chloromethane		ND		4.0
cis-1,2-Dichloroethene		ND		2.0
cis-1,3-Dichloropropene		ND		2.0
Dibromomethane		ND		2.0
Dichlorobromomethane		ND		2.0
Dichlorodifluoromethane		ND		4.0
Ethylbenzene		ND		2.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB131-1012**

Lab Sample ID: 360-37832-5
Client Matrix: Solid
% Moisture: 9.0

Date Sampled: 11/28/2011 1405
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55248.D
Dilution:	1.0			Initial Weight/Volume:	6.81 g
Analysis Date:	12/06/2011 2338			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.0
Hexachlorobutadiene		ND		2.0
Isopropylbenzene		ND		2.0
m-Xylene & p-Xylene		ND		4.0
Methyl tert-butyl ether		ND		2.0
Methylene Chloride		ND		8.1
n-Butylbenzene		ND		2.0
N-Propylbenzene		ND	*	2.0
Naphthalene		ND		20
o-Xylene		ND		2.0
sec-Butylbenzene		ND		2.0
Styrene		ND		2.0
tert-Butylbenzene		ND		2.0
Tetrachloroethene		4.0		2.0
Tetrahydrofuran		ND		40
Toluene		ND		2.0
trans-1,2-Dichloroethene		ND		2.0
trans-1,3-Dichloropropene		ND		2.0
trans-1,4-Dichloro-2-butene		ND	*	4.0
Trichloroethene		10		2.0
Trichlorofluoromethane		ND		4.0
Vinyl chloride		ND		2.0
Xylenes, Total		ND		4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8 (Surr)	92		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB128-0002**

Lab Sample ID: 360-37832-6
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 11/28/2011 1215
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55249.D
Dilution:	1.0			Initial Weight/Volume:	3.79 g
Analysis Date:	12/07/2011 0004			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		3.6
1,1,1-Trichloroethane		ND		3.6
1,1,2,2-Tetrachloroethane		ND		3.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		18
1,1,2-Trichloroethane		ND		3.6
1,1-Dichloroethane		ND		3.6
1,1-Dichloroethene		ND		3.6
1,1-Dichloropropene		ND		3.6
1,2,3-Trichlorobenzene		ND		3.6
1,2,3-Trichloropropane		ND		3.6
1,2,4-Trichlorobenzene		ND		3.6
1,2,4-Trimethylbenzene		ND		3.6
1,2-Dibromo-3-Chloropropane		ND		36
1,2-Dichlorobenzene		ND		3.6
1,2-Dichloroethane		ND		3.6
1,2-Dichloropropane		ND		3.6
1,3,5-Trimethylbenzene		ND		3.6
1,3-Dichlorobenzene		ND		3.6
1,3-Dichloropropane		ND		3.6
1,4-Dichlorobenzene		ND		3.6
2,2-Dichloropropane		ND		3.6
2-Butanone (MEK)		ND		36
2-Chlorotoluene		ND		3.6
2-Hexanone		ND		36
4-Chlorotoluene		ND		3.6
4-Isopropyltoluene		ND		3.6
4-Methyl-2-pentanone (MIBK)		ND	*	36
Acetone		ND		360
Acrylonitrile		ND		36
Benzene		ND		3.6
Bromobenzene		ND		3.6
Bromoform		ND		3.6
Bromomethane		ND		7.2
Carbon disulfide		ND		3.6
Carbon tetrachloride		ND		3.6
Chlorobenzene		ND		3.6
Chlorodibromomethane		ND		3.6
Chloroethane		ND		7.2
Chloroform		ND		3.6
Chloromethane		ND		7.2
cis-1,2-Dichloroethene		ND		3.6
cis-1,3-Dichloropropene		ND		3.6
Dibromomethane		ND		3.6
Dichlorobromomethane		ND		3.6
Dichlorodifluoromethane		ND		7.2
Ethylbenzene		ND		3.6

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB128-0002**

Lab Sample ID: 360-37832-6
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 11/28/2011 1215
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55249.D
Dilution:	1.0			Initial Weight/Volume:	3.79 g
Analysis Date:	12/07/2011 0004			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		3.6
Hexachlorobutadiene		ND		3.6
Isopropylbenzene		ND		3.6
m-Xylene & p-Xylene		ND		7.2
Methyl tert-butyl ether		ND		3.6
Methylene Chloride		ND		14
n-Butylbenzene		ND		3.6
N-Propylbenzene		ND	*	3.6
Naphthalene		ND		36
o-Xylene		ND		3.6
sec-Butylbenzene		ND		3.6
Styrene		ND		3.6
tert-Butylbenzene		ND		3.6
Tetrachloroethene		6.9		3.6
Tetrahydrofuran		ND		72
Toluene		ND		3.6
trans-1,2-Dichloroethene		ND		3.6
trans-1,3-Dichloropropene		ND		3.6
trans-1,4-Dichloro-2-butene		ND	*	7.2
Trichloroethene		74		3.6
Trichlorofluoromethane		ND		7.2
Vinyl chloride		ND		3.6
Xylenes, Total		ND		7.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	100		70 - 130
Toluene-d8 (Surr)	90		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB303-0204**

Lab Sample ID: 360-37832-7
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 11/28/2011 1600
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55250.D
Dilution:	1.0			Initial Weight/Volume:	5.42 g
Analysis Date:	12/07/2011 0029			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.7
1,1,1-Trichloroethane		ND		2.7
1,1,2,2-Tetrachloroethane		ND		2.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		13
1,1,2-Trichloroethane		ND		2.7
1,1-Dichloroethane		ND		2.7
1,1-Dichloroethene		ND		2.7
1,1-Dichloropropene		ND		2.7
1,2,3-Trichlorobenzene		ND		2.7
1,2,3-Trichloropropane		ND		2.7
1,2,4-Trichlorobenzene		ND		2.7
1,2,4-Trimethylbenzene		ND		2.7
1,2-Dibromo-3-Chloropropane		ND		27
1,2-Dichlorobenzene		ND		2.7
1,2-Dichloroethane		ND		2.7
1,2-Dichloropropane		ND		2.7
1,3,5-Trimethylbenzene		ND		2.7
1,3-Dichlorobenzene		ND		2.7
1,3-Dichloropropane		ND		2.7
1,4-Dichlorobenzene		ND		2.7
2,2-Dichloropropane		ND		2.7
2-Butanone (MEK)		ND		27
2-Chlorotoluene		ND		2.7
2-Hexanone		ND		27
4-Chlorotoluene		ND		2.7
4-Isopropyltoluene		ND		2.7
4-Methyl-2-pentanone (MIBK)		ND	*	27
Acetone		ND		270
Acrylonitrile		ND		27
Benzene		ND		2.7
Bromobenzene		ND		2.7
Bromoform		ND		2.7
Bromomethane		ND		5.3
Carbon disulfide		ND		2.7
Carbon tetrachloride		ND		2.7
Chlorobenzene		ND		2.7
Chlorodibromomethane		ND		2.7
Chloroethane		ND		5.3
Chloroform		ND		2.7
Chloromethane		ND		5.3
cis-1,2-Dichloroethene		ND		2.7
cis-1,3-Dichloropropene		ND		2.7
Dibromomethane		ND		2.7
Dichlorobromomethane		ND		2.7
Dichlorodifluoromethane		ND		5.3
Ethylbenzene		ND		2.7

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB303-0204**

Lab Sample ID: 360-37832-7
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 11/28/2011 1600
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55250.D
Dilution:	1.0			Initial Weight/Volume:	5.42 g
Analysis Date:	12/07/2011 0029			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.7
Hexachlorobutadiene		ND		2.7
Isopropylbenzene		ND		2.7
m-Xylene & p-Xylene		ND		5.3
Methyl tert-butyl ether		ND		2.7
Methylene Chloride		ND		11
n-Butylbenzene		ND		2.7
N-Propylbenzene		ND	*	2.7
Naphthalene		ND		27
o-Xylene		ND		2.7
sec-Butylbenzene		ND		2.7
Styrene		ND		2.7
tert-Butylbenzene		ND		2.7
Tetrachloroethene		ND		2.7
Tetrahydrofuran		ND		53
Toluene		ND		2.7
trans-1,2-Dichloroethene		ND		2.7
trans-1,3-Dichloropropene		ND		2.7
trans-1,4-Dichloro-2-butene		ND	*	5.3
Trichloroethene		ND		2.7
Trichlorofluoromethane		ND		5.3
Vinyl chloride		ND		2.7
Xylenes, Total		ND		5.3

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8 (Surr)	90		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB132-1012**

Lab Sample ID: 360-37832-8
Client Matrix: Solid
% Moisture: 13.5

Date Sampled: 11/28/2011 1200
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55251.D
Dilution:	1.0			Initial Weight/Volume:	5.24 g
Analysis Date:	12/07/2011 0054			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.8
1,1,1-Trichloroethane		270		2.8
1,1,2,2-Tetrachloroethane		ND		2.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		14
1,1,2-Trichloroethane		ND		2.8
1,1-Dichloroethane		ND		2.8
1,1-Dichloroethene		11		2.8
1,1-Dichloropropene		ND		2.8
1,2,3-Trichlorobenzene		ND		2.8
1,2,3-Trichloropropane		ND		2.8
1,2,4-Trichlorobenzene		ND		2.8
1,2,4-Trimethylbenzene		ND		2.8
1,2-Dibromo-3-Chloropropane		ND		28
1,2-Dichlorobenzene		ND		2.8
1,2-Dichloroethane		ND		2.8
1,2-Dichloropropane		ND		2.8
1,3,5-Trimethylbenzene		ND		2.8
1,3-Dichlorobenzene		ND		2.8
1,3-Dichloropropane		ND		2.8
1,4-Dichlorobenzene		ND		2.8
2,2-Dichloropropane		ND		2.8
2-Butanone (MEK)		ND		28
2-Chlorotoluene		ND		2.8
2-Hexanone		ND		28
4-Chlorotoluene		ND		2.8
4-Isopropyltoluene		ND		2.8
4-Methyl-2-pentanone (MIBK)		ND	*	28
Acetone		ND		280
Acrylonitrile		ND		28
Benzene		ND		2.8
Bromobenzene		ND		2.8
Bromoform		ND		2.8
Bromomethane		ND		5.5
Carbon disulfide		ND		2.8
Carbon tetrachloride		ND		2.8
Chlorobenzene		ND		2.8
Chlorodibromomethane		ND		2.8
Chloroethane		ND		5.5
Chloroform		ND		2.8
Chloromethane		ND		5.5
cis-1,2-Dichloroethene		10		2.8
cis-1,3-Dichloropropene		ND		2.8
Dibromomethane		ND		2.8
Dichlorobromomethane		ND		2.8
Dichlorodifluoromethane		ND		5.5
Ethylbenzene		ND		2.8

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB132-1012**

Lab Sample ID: 360-37832-8
Client Matrix: Solid
% Moisture: 13.5

Date Sampled: 11/28/2011 1200
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55251.D
Dilution:	1.0			Initial Weight/Volume:	5.24 g
Analysis Date:	12/07/2011 0054			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.8
Hexachlorobutadiene		ND		2.8
Isopropylbenzene		ND		2.8
m-Xylene & p-Xylene		ND		5.5
Methyl tert-butyl ether		ND		2.8
Methylene Chloride		ND		11
n-Butylbenzene		ND		2.8
N-Propylbenzene		ND	*	2.8
Naphthalene		ND		28
o-Xylene		5.8		2.8
sec-Butylbenzene		ND		2.8
Styrene		ND		2.8
tert-Butylbenzene		ND		2.8
Tetrachloroethene		20		2.8
Tetrahydrofuran		ND		55
Toluene		ND		2.8
trans-1,2-Dichloroethene		ND		2.8
trans-1,3-Dichloropropene		ND		2.8
trans-1,4-Dichloro-2-butene		ND	*	5.5
Trichloroethene		470		2.8
Trichlorofluoromethane		ND		5.5
Vinyl chloride		ND		2.8
Xylenes, Total		5.8		5.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB129-0204**

Lab Sample ID: 360-37832-9
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 11/28/2011 1050
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55252.D
Dilution:	1.0			Initial Weight/Volume:	4.91 g
Analysis Date:	12/07/2011 0120			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.7
1,1,1-Trichloroethane		ND		2.7
1,1,2,2-Tetrachloroethane		ND		2.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		14
1,1,2-Trichloroethane		ND		2.7
1,1-Dichloroethane		ND		2.7
1,1-Dichloroethene		ND		2.7
1,1-Dichloropropene		ND		2.7
1,2,3-Trichlorobenzene		ND		2.7
1,2,3-Trichloropropane		ND		2.7
1,2,4-Trichlorobenzene		ND		2.7
1,2,4-Trimethylbenzene		ND		2.7
1,2-Dibromo-3-Chloropropane		ND		27
1,2-Dichlorobenzene		ND		2.7
1,2-Dichloroethane		ND		2.7
1,2-Dichloropropane		ND		2.7
1,3,5-Trimethylbenzene		ND		2.7
1,3-Dichlorobenzene		ND		2.7
1,3-Dichloropropane		ND		2.7
1,4-Dichlorobenzene		ND		2.7
2,2-Dichloropropane		ND		2.7
2-Butanone (MEK)		ND		27
2-Chlorotoluene		ND		2.7
2-Hexanone		ND		27
4-Chlorotoluene		ND		2.7
4-Isopropyltoluene		ND		2.7
4-Methyl-2-pentanone (MIBK)		ND	*	27
Acetone		ND		270
Acrylonitrile		ND		27
Benzene		ND		2.7
Bromobenzene		ND		2.7
Bromoform		ND		2.7
Bromomethane		ND		5.4
Carbon disulfide		ND		2.7
Carbon tetrachloride		ND		2.7
Chlorobenzene		ND		2.7
Chlorodibromomethane		ND		2.7
Chloroethane		ND		5.4
Chloroform		ND		2.7
Chloromethane		ND		5.4
cis-1,2-Dichloroethene		ND		2.7
cis-1,3-Dichloropropene		ND		2.7
Dibromomethane		ND		2.7
Dichlorobromomethane		ND		2.7
Dichlorodifluoromethane		ND		5.4
Ethylbenzene		ND		2.7

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB129-0204**

Lab Sample ID: 360-37832-9
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 11/28/2011 1050
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55252.D
Dilution:	1.0			Initial Weight/Volume:	4.91 g
Analysis Date:	12/07/2011 0120			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.7
Hexachlorobutadiene		ND		2.7
Isopropylbenzene		ND		2.7
m-Xylene & p-Xylene		ND		5.4
Methyl tert-butyl ether		ND		2.7
Methylene Chloride		ND		11
n-Butylbenzene		ND		2.7
N-Propylbenzene		ND	*	2.7
Naphthalene		ND		27
o-Xylene		ND		2.7
sec-Butylbenzene		ND		2.7
Styrene		ND		2.7
tert-Butylbenzene		ND		2.7
Tetrachloroethene		ND		2.7
Tetrahydrofuran		ND		54
Toluene		ND		2.7
trans-1,2-Dichloroethene		ND		2.7
trans-1,3-Dichloropropene		ND		2.7
trans-1,4-Dichloro-2-butene		ND	*	5.4
Trichloroethene		5.6		2.7
Trichlorofluoromethane		ND		5.4
Vinyl chloride		ND		2.7
Xylenes, Total		ND		5.4

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB130-0810**

Lab Sample ID: 360-37832-10
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 11/28/2011 1040
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55253.D
Dilution:	1.0			Initial Weight/Volume:	9.02 g
Analysis Date:	12/07/2011 0146			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		1.6
1,1,1-Trichloroethane		ND		1.6
1,1,2,2-Tetrachloroethane		ND		1.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		7.9
1,1,2-Trichloroethane		ND		1.6
1,1-Dichloroethane		ND		1.6
1,1-Dichloroethene		ND		1.6
1,1-Dichloropropene		ND		1.6
1,2,3-Trichlorobenzene		ND		1.6
1,2,3-Trichloropropane		ND		1.6
1,2,4-Trichlorobenzene		ND		1.6
1,2,4-Trimethylbenzene		ND		1.6
1,2-Dibromo-3-Chloropropane		ND		16
1,2-Dichlorobenzene		ND		1.6
1,2-Dichloroethane		ND		1.6
1,2-Dichloropropane		ND		1.6
1,3,5-Trimethylbenzene		ND		1.6
1,3-Dichlorobenzene		ND		1.6
1,3-Dichloropropane		ND		1.6
1,4-Dichlorobenzene		ND		1.6
2,2-Dichloropropane		ND		1.6
2-Butanone (MEK)		ND		16
2-Chlorotoluene		ND		1.6
2-Hexanone		ND		16
4-Chlorotoluene		ND		1.6
4-Isopropyltoluene		ND		1.6
4-Methyl-2-pentanone (MIBK)		ND	*	16
Acetone		ND		160
Acrylonitrile		ND		16
Benzene		ND		1.6
Bromobenzene		ND		1.6
Bromoform		ND		1.6
Bromomethane		ND		3.2
Carbon disulfide		ND		1.6
Carbon tetrachloride		ND		1.6
Chlorobenzene		ND		1.6
Chlorodibromomethane		ND		1.6
Chloroethane		ND		3.2
Chloroform		ND		1.6
Chloromethane		ND		3.2
cis-1,2-Dichloroethene		ND		1.6
cis-1,3-Dichloropropene		ND		1.6
Dibromomethane		ND		1.6
Dichlorobromomethane		ND		1.6
Dichlorodifluoromethane		ND		3.2
Ethylbenzene		ND		1.6

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB130-0810**

Lab Sample ID: 360-37832-10
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 11/28/2011 1040
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55253.D
Dilution:	1.0			Initial Weight/Volume:	9.02 g
Analysis Date:	12/07/2011 0146			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		1.6
Hexachlorobutadiene		ND		1.6
Isopropylbenzene		ND		1.6
m-Xylene & p-Xylene		ND		3.2
Methyl tert-butyl ether		ND		1.6
Methylene Chloride		ND		6.3
n-Butylbenzene		ND		1.6
N-Propylbenzene		ND	*	1.6
Naphthalene		ND		16
o-Xylene		ND		1.6
sec-Butylbenzene		ND		1.6
Styrene		ND		1.6
tert-Butylbenzene		ND		1.6
Tetrachloroethene		ND		1.6
Tetrahydrofuran		ND		32
Toluene		ND		1.6
trans-1,2-Dichloroethene		ND		1.6
trans-1,3-Dichloropropene		ND		1.6
trans-1,4-Dichloro-2-butene		ND	*	3.2
Trichloroethene		31		1.6
Trichlorofluoromethane		ND		3.2
Vinyl chloride		ND		1.6
Xylenes, Total		ND		3.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8 (Surr)	90		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-TB-112811**

Lab Sample ID: 360-37832-11
Client Matrix: Solid

Date Sampled: 11/28/2011 0900
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55254.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/07/2011 0211			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.5
1,1,1-Trichloroethane		ND		2.5
1,1,2,2-Tetrachloroethane		ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		13
1,1,2-Trichloroethane		ND		2.5
1,1-Dichloroethane		ND		2.5
1,1-Dichloroethene		ND		2.5
1,1-Dichloropropene		ND		2.5
1,2,3-Trichlorobenzene		ND		2.5
1,2,3-Trichloropropane		ND		2.5
1,2,4-Trichlorobenzene		ND		2.5
1,2,4-Trimethylbenzene		ND		2.5
1,2-Dibromo-3-Chloropropane		ND		25
1,2-Dichlorobenzene		ND		2.5
1,2-Dichloroethane		ND		2.5
1,2-Dichloropropane		ND		2.5
1,3,5-Trimethylbenzene		ND		2.5
1,3-Dichlorobenzene		ND		2.5
1,3-Dichloropropane		ND		2.5
1,4-Dichlorobenzene		ND		2.5
2,2-Dichloropropane		ND		2.5
2-Butanone (MEK)		ND		25
2-Chlorotoluene		ND		2.5
2-Hexanone		ND		25
4-Chlorotoluene		ND		2.5
4-Isopropyltoluene		ND		2.5
4-Methyl-2-pentanone (MIBK)		ND	*	25
Acetone		ND		250
Acrylonitrile		ND		25
Benzene		ND		2.5
Bromobenzene		ND		2.5
Bromoform		ND		2.5
Bromomethane		ND		5.0
Carbon disulfide		ND		2.5
Carbon tetrachloride		ND		2.5
Chlorobenzene		ND		2.5
Chlorodibromomethane		ND		2.5
Chloroethane		ND		5.0
Chloroform		ND		2.5
Chloromethane		ND		5.0
cis-1,2-Dichloroethene		ND		2.5
cis-1,3-Dichloropropene		ND		2.5
Dibromomethane		ND		2.5
Dichlorobromomethane		ND		2.5
Dichlorodifluoromethane		ND		5.0
Ethylbenzene		ND		2.5

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-TB-112811**

Lab Sample ID: 360-37832-11
Client Matrix: Solid

Date Sampled: 11/28/2011 0900
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55254.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/07/2011 0211			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.5
Hexachlorobutadiene		ND		2.5
Isopropylbenzene		ND		2.5
m-Xylene & p-Xylene		ND		5.0
Methyl tert-butyl ether		ND		2.5
Methylene Chloride		ND		10
n-Butylbenzene		ND		2.5
N-Propylbenzene		ND	*	2.5
Naphthalene		ND		25
o-Xylene		ND		2.5
sec-Butylbenzene		ND		2.5
Styrene		ND		2.5
tert-Butylbenzene		ND		2.5
Tetrachloroethene		ND		2.5
Tetrahydrofuran		ND		50
Toluene		ND		2.5
trans-1,2-Dichloroethene		ND		2.5
trans-1,3-Dichloropropene		ND		2.5
trans-1,4-Dichloro-2-butene		ND	*	5.0
Trichloroethene		ND		2.5
Trichlorofluoromethane		ND		5.0
Vinyl chloride		ND		2.5
Xylenes, Total		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8 (Surr)	92		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB301-0608**

Lab Sample ID: 360-37832-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 11/28/2011 1503
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.22 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1324			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.42
Acenaphthylene		ND		0.42
Anthracene		ND		0.42
Benzo[a]anthracene		ND		0.42
Benzo[a]pyrene		ND		0.42
Benzo[b]fluoranthene		ND		0.42
Benzo[g,h,i]perylene		ND		0.42
Benzo[k]fluoranthene		ND		0.42
Chrysene		ND		0.42
Dibenz(a,h)anthracene		ND		0.42
Fluoranthene		ND		0.42
Fluorene		ND		0.42
Indeno[1,2,3-cd]pyrene		ND		0.42
2-Methylnaphthalene		ND		0.42
Naphthalene		ND		0.42
Phenanthrene		ND		0.42
Pyrene		ND		0.42
C11-C22 Aromatics (unadjusted)		5.8		4.2
C11-C22 Aromatics (Adjusted)		5.8		4.2
C19-C36 Aliphatics		9.1		4.2
C9-C18 Aliphatics		28		4.2
Total EPH		43		4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	67		40 - 140
2-Fluorobiphenyl	67		40 - 140
o-Terphenyl	60		40 - 140
1-Chlorooctadecane	51		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB302-0810**

Lab Sample ID: 360-37832-2
Client Matrix: Solid
% Moisture: 10.3

Date Sampled: 11/28/2011 1540
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.42 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1358			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.36
Acenaphthylene		ND		0.36
Anthracene		ND		0.36
Benzo[a]anthracene		ND		0.36
Benzo[a]pyrene		ND		0.36
Benzo[b]fluoranthene		ND		0.36
Benzo[g,h,i]perylene		ND		0.36
Benzo[k]fluoranthene		ND		0.36
Chrysene		ND		0.36
Dibenz(a,h)anthracene		ND		0.36
Fluoranthene		ND		0.36
Fluorene		ND		0.36
Indeno[1,2,3-cd]pyrene		ND		0.36
2-Methylnaphthalene		ND		0.36
Naphthalene		ND		0.36
Phenanthrene		ND		0.36
Pyrene		ND		0.36
C11-C22 Aromatics (unadjusted)		21		3.6
C11-C22 Aromatics (Adjusted)		21		3.6
C19-C36 Aliphatics		43		3.6
C9-C18 Aliphatics		ND		3.6
Total EPH		64		3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	71		40 - 140
2-Fluorobiphenyl	70		40 - 140
o-Terphenyl	65		40 - 140
1-Chlorooctadecane	60		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB133-0002**

Lab Sample ID: 360-37832-3
Client Matrix: Solid
% Moisture: 10.4

Date Sampled: 11/28/2011 1337
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.07 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1432			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.37
Acenaphthylene		ND		0.37
Anthracene		ND		0.37
Benzo[a]anthracene		ND		0.37
Benzo[a]pyrene		ND		0.37
Benzo[b]fluoranthene		ND		0.37
Benzo[g,h,i]perylene		ND		0.37
Benzo[k]fluoranthene		ND		0.37
Chrysene		ND		0.37
Dibenz(a,h)anthracene		ND		0.37
Fluoranthene		ND		0.37
Fluorene		ND		0.37
Indeno[1,2,3-cd]pyrene		ND		0.37
2-Methylnaphthalene		ND		0.37
Naphthalene		ND		0.37
Phenanthrene		ND		0.37
Pyrene		ND		0.37
C11-C22 Aromatics (unadjusted)		10		3.7
C11-C22 Aromatics (Adjusted)		10		3.7
C19-C36 Aliphatics		12		3.7
C9-C18 Aliphatics		ND		3.7
Total EPH		22		3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	67		40 - 140
2-Fluorobiphenyl	67		40 - 140
o-Terphenyl	66		40 - 140
1-Chlorooctadecane	67		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SBDUP01**

Lab Sample ID: 360-37832-4
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 11/28/2011 0000
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.07 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1506			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.35
Acenaphthylene		ND		0.35
Anthracene		ND		0.35
Benzo[a]anthracene		ND		0.35
Benzo[a]pyrene		ND		0.35
Benzo[b]fluoranthene		ND		0.35
Benzo[g,h,i]perylene		ND		0.35
Benzo[k]fluoranthene		ND		0.35
Chrysene		ND		0.35
Dibenz(a,h)anthracene		ND		0.35
Fluoranthene		ND		0.35
Fluorene		ND		0.35
Indeno[1,2,3-cd]pyrene		ND		0.35
2-Methylnaphthalene		ND		0.35
Naphthalene		ND		0.35
Phenanthrene		ND		0.35
Pyrene		ND		0.35
C11-C22 Aromatics (unadjusted)		ND		3.5
C11-C22 Aromatics (Adjusted)		ND		3.5
C19-C36 Aliphatics		6.1		3.5
C9-C18 Aliphatics		ND		3.5
Total EPH		6.1		3.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	68		40 - 140
2-Fluorobiphenyl	68		40 - 140
o-Terphenyl	66		40 - 140
1-Chlorooctadecane	73		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB131-1012**

Lab Sample ID: 360-37832-5
Client Matrix: Solid
% Moisture: 9.0

Date Sampled: 11/28/2011 1405
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.05 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1540			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.36
Acenaphthylene		ND		0.36
Anthracene		ND		0.36
Benzo[a]anthracene		ND		0.36
Benzo[a]pyrene		ND		0.36
Benzo[b]fluoranthene		ND		0.36
Benzo[g,h,i]perylene		ND		0.36
Benzo[k]fluoranthene		ND		0.36
Chrysene		ND		0.36
Dibenz(a,h)anthracene		ND		0.36
Fluoranthene		ND		0.36
Fluorene		ND		0.36
Indeno[1,2,3-cd]pyrene		ND		0.36
2-Methylnaphthalene		ND		0.36
Naphthalene		ND		0.36
Phenanthrene		ND		0.36
Pyrene		ND		0.36
C11-C22 Aromatics (unadjusted)		ND		3.6
C11-C22 Aromatics (Adjusted)		ND		3.6
C19-C36 Aliphatics		ND		3.6
C9-C18 Aliphatics		ND		3.6
Total EPH		ND		3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	64		40 - 140
2-Fluorobiphenyl	64		40 - 140
o-Terphenyl	67		40 - 140
1-Chlorooctadecane	69		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB128-0002**

Lab Sample ID: 360-37832-6
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 11/28/2011 1215
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.36 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1614			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.36
Acenaphthylene		ND		0.36
Anthracene		ND		0.36
Benzo[a]anthracene		ND		0.36
Benzo[a]pyrene		ND		0.36
Benzo[b]fluoranthene		ND		0.36
Benzo[g,h,i]perylene		ND		0.36
Benzo[k]fluoranthene		ND		0.36
Chrysene		ND		0.36
Dibenz(a,h)anthracene		ND		0.36
Fluoranthene		ND		0.36
Fluorene		ND		0.36
Indeno[1,2,3-cd]pyrene		ND		0.36
2-Methylnaphthalene		ND		0.36
Naphthalene		ND		0.36
Phenanthrene		ND		0.36
Pyrene		ND		0.36
C11-C22 Aromatics (unadjusted)		4.2		3.6
C11-C22 Aromatics (Adjusted)		4.2		3.6
C19-C36 Aliphatics		3.6		3.6
C9-C18 Aliphatics		ND		3.6
Total EPH		7.8		3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	66		40 - 140
2-Fluorobiphenyl	65		40 - 140
o-Terphenyl	72		40 - 140
1-Chlorooctadecane	76		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB303-0204**

Lab Sample ID: 360-37832-7
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 11/28/2011 1600
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.40 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1648			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.38
Acenaphthylene		ND		0.38
Anthracene		ND		0.38
Benzo[a]anthracene		ND		0.38
Benzo[a]pyrene		ND		0.38
Benzo[b]fluoranthene		ND		0.38
Benzo[g,h,i]perylene		ND		0.38
Benzo[k]fluoranthene		ND		0.38
Chrysene		ND		0.38
Dibenz(a,h)anthracene		ND		0.38
Fluoranthene		ND		0.38
Fluorene		ND		0.38
Indeno[1,2,3-cd]pyrene		ND		0.38
2-Methylnaphthalene		ND		0.38
Naphthalene		ND		0.38
Phenanthrene		ND		0.38
Pyrene		ND		0.38
C11-C22 Aromatics (unadjusted)		4.2		3.8
C11-C22 Aromatics (Adjusted)		4.2		3.8
C19-C36 Aliphatics		ND		3.8
C9-C18 Aliphatics		ND		3.8
Total EPH		4.2		3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	63		40 - 140
2-Fluorobiphenyl	62		40 - 140
o-Terphenyl	70		40 - 140
1-Chlorooctadecane	58		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB132-1012**

Lab Sample ID: 360-37832-8
Client Matrix: Solid
% Moisture: 13.5

Date Sampled: 11/28/2011 1200
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.05 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1722			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.38
Acenaphthylene		ND		0.38
Anthracene		ND		0.38
Benzo[a]anthracene		ND		0.38
Benzo[a]pyrene		ND		0.38
Benzo[b]fluoranthene		ND		0.38
Benzo[g,h,i]perylene		ND		0.38
Benzo[k]fluoranthene		ND		0.38
Chrysene		ND		0.38
Dibenz(a,h)anthracene		ND		0.38
Fluoranthene		ND		0.38
Fluorene		ND		0.38
Indeno[1,2,3-cd]pyrene		ND		0.38
2-Methylnaphthalene		ND		0.38
Naphthalene		ND		0.38
Phenanthrene		ND		0.38
Pyrene		ND		0.38
C11-C22 Aromatics (unadjusted)		ND		3.8
C11-C22 Aromatics (Adjusted)		ND		3.8
C19-C36 Aliphatics		ND		3.8
C9-C18 Aliphatics		ND		3.8
Total EPH		ND		3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	67		40 - 140
2-Fluorobiphenyl	66		40 - 140
o-Terphenyl	72		40 - 140
1-Chlorooctadecane	71		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB129-0204**

Lab Sample ID: 360-37832-9
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 11/28/2011 1050
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.66 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1756			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.34
Acenaphthylene		ND		0.34
Anthracene		ND		0.34
Benzo[a]anthracene		ND		0.34
Benzo[a]pyrene		ND		0.34
Benzo[b]fluoranthene		ND		0.34
Benzo[g,h,i]perylene		ND		0.34
Benzo[k]fluoranthene		ND		0.34
Chrysene		ND		0.34
Dibenz(a,h)anthracene		ND		0.34
Fluoranthene		ND		0.34
Fluorene		ND		0.34
Indeno[1,2,3-cd]pyrene		ND		0.34
2-Methylnaphthalene		ND		0.34
Naphthalene		ND		0.34
Phenanthrene		ND		0.34
Pyrene		ND		0.34
C11-C22 Aromatics (unadjusted)		ND		3.4
C11-C22 Aromatics (Adjusted)		ND		3.4
C19-C36 Aliphatics		ND		3.4
C9-C18 Aliphatics		ND		3.4
Total EPH		ND		3.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	68		40 - 140
2-Fluorobiphenyl	67		40 - 140
o-Terphenyl	68		40 - 140
1-Chlorooctadecane	69		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB130-0810**

Lab Sample ID: 360-37832-10
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 11/28/2011 1040
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.17 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1830			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.37
Acenaphthylene		ND		0.37
Anthracene		ND		0.37
Benzo[a]anthracene		ND		0.37
Benzo[a]pyrene		ND		0.37
Benzo[b]fluoranthene		ND		0.37
Benzo[g,h,i]perylene		ND		0.37
Benzo[k]fluoranthene		ND		0.37
Chrysene		ND		0.37
Dibenz(a,h)anthracene		ND		0.37
Fluoranthene		ND		0.37
Fluorene		ND		0.37
Indeno[1,2,3-cd]pyrene		ND		0.37
2-Methylnaphthalene		ND		0.37
Naphthalene		ND		0.37
Phenanthrene		ND		0.37
Pyrene		ND		0.37
C11-C22 Aromatics (unadjusted)		ND		3.7
C11-C22 Aromatics (Adjusted)		ND		3.7
C19-C36 Aliphatics		ND		3.7
C9-C18 Aliphatics		ND		3.7
Total EPH		ND		3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	71		40 - 140
2-Fluorobiphenyl	70		40 - 140
o-Terphenyl	71		40 - 140
1-Chlorooctadecane	67		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB301-0608**

Lab Sample ID: 360-37832-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 11/28/2011 1503
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.63 g
Analysis Date:	12/01/2011 1319			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		ND		1.6
Barium		75		0.79
Cadmium		ND		0.31
Chromium		16		0.79
Lead		17		0.79
Selenium		ND		0.79
Silver		ND		0.79

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.26 g
Analysis Date:	12/08/2011 1546			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		1.3		0.099

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB302-0810**

Lab Sample ID: 360-37832-2
Client Matrix: Solid
% Moisture: 10.3

Date Sampled: 11/28/2011 1540
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.96 g
Analysis Date:	12/01/2011 1333			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.4		1.1
Barium		59		0.57
Cadmium		ND		0.23
Chromium		14		0.57
Lead		5.6		0.57
Selenium		ND		0.57
Silver		ND		0.57

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Analysis Date:	12/08/2011 1548			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.080

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB133-0002**

Lab Sample ID: 360-37832-3
Client Matrix: Solid
% Moisture: 10.4

Date Sampled: 11/28/2011 1337
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.90 g
Analysis Date:	12/01/2011 1336			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		2.0		1.2
Barium		54		0.59
Cadmium		ND		0.23
Chromium		7.9		0.59
Lead		27		0.59
Selenium		ND		0.59
Silver		ND		0.59

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.26 g
Analysis Date:	12/08/2011 1550			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.086

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SBDUP01**

Lab Sample ID: 360-37832-4
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 11/28/2011 0000
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.65 g
Analysis Date:	12/01/2011 1345			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.4		1.3
Barium		11		0.65
Cadmium		ND		0.26
Chromium		7.2		0.65
Lead		2.4		0.65
Selenium		ND		0.65
Silver		ND		0.65

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Analysis Date:	12/08/2011 1552			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.076

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB131-1012**

Lab Sample ID: 360-37832-5
Client Matrix: Solid
% Moisture: 9.0

Date Sampled: 11/28/2011 1405
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.71 g
Analysis Date:	12/01/2011 1348			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.7		1.3
Barium		84		0.64
Cadmium		ND		0.26
Chromium		22		0.64
Lead		6.5		0.64
Selenium		ND		0.64
Silver		ND		0.64

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.25 g
Analysis Date:	12/08/2011 1557			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.088

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB128-0002**

Lab Sample ID: 360-37832-6
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 11/28/2011 1215
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.52 g
Analysis Date:	12/01/2011 1351			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.6		1.4
Barium		35		0.72
Cadmium		0.93		0.29
Chromium		12		0.72
Lead		3.7		0.72
Selenium		ND		0.72
Silver		ND		0.72

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Analysis Date:	12/08/2011 1559			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.078

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB303-0204**

Lab Sample ID: 360-37832-7
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 11/28/2011 1600
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.74 g
Analysis Date:	12/01/2011 1354			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		3.5		1.3
Barium		50		0.66
Cadmium		ND		0.27
Chromium		9.8		0.66
Lead		56		0.66
Selenium		ND		0.66
Silver		ND		0.66

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.26 g
Analysis Date:	12/08/2011 1601			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.089

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB132-1012**

Lab Sample ID: 360-37832-8
Client Matrix: Solid
% Moisture: 13.5

Date Sampled: 11/28/2011 1200
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.82 g
Analysis Date:	12/01/2011 1357			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.8		1.3
Barium		82		0.64
Cadmium		ND		0.25
Chromium		17		0.64
Lead		5.9		0.64
Selenium		ND		0.64
Silver		ND		0.64

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.22 g
Analysis Date:	12/08/2011 1603			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.11

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB129-0204**

Lab Sample ID: 360-37832-9
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 11/28/2011 1050
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.84 g
Analysis Date:	12/01/2011 1400			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.2		1.2
Barium		10		0.58
Cadmium		ND		0.23
Chromium		6.0		0.58
Lead		1.9		0.58
Selenium		ND		0.58
Silver		ND		0.58

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.23 g
Analysis Date:	12/08/2011 1605			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.092

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB130-0810**

Lab Sample ID: 360-37832-10
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 11/28/2011 1040
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.57 g
Analysis Date:	12/01/2011 1403			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.8		1.5
Barium		55		0.73
Cadmium		ND		0.29
Chromium		25		0.73
Lead		6.9		0.73
Selenium		ND		0.73
Silver		ND		0.73

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.21 g
Analysis Date:	12/09/2011 1202			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.11

APPENDIX C

SUPPORT DOCUMENTATION

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information

Client Contact: Keith Westberry	Sampler: R Clark	Lab PM:	Carrier Tracking No(s):
Company: Etech	Phone: 860 617 3948	E-Mail:	
Address: PO Box 2426	Due Date Requested: Contact Keith		
City: Lindale	TAT Requested (days): Contact Keith		
State, Zip: TX 75771			
Phone: 903-881-8390	Quote #:		
Email: Keith@etech.com	PO #:		
Project Name/number: Beaton + Corbin	WO #:		
Site: Southington Ct	SSOW#:		

COC No: 017290
Page: 1 of 2
Job #:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, Z - other (specify)

Regulatory programs:
MCP ☐ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC (EJ)	EPH, metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	X				
BC-SO-SB301-0608	11/28/11	1503						✓	✓		Freeze or analyze VOC upon reciept.
BC-SO-SB302-0810		1540						✓	✓		
BC-SO-SB133-0002		1337						✓	✓		
BC-SO-SBDUP01		0000						✓	✓		
BC-SO-SB131-1012		1405						✓	✓		
BC-SO-SB128-0002		1215						✓	✓		
~~BC-SO-SB133-0204~~		~~1600~~						✓	✓		
BC-SO-SB303-0204		1600						✓	✓		
BC-SO-SB132-1012		1200						✓	✓		
BC-SO-SB129-0204		1050						✓	✓		

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
R Clark	11-29-11 / 9:30	for Etech	JRBC	11-29-11-930	
JRBC	11-29-11 - 11:50				

Custody Seals Intact: Δ Yes ✓ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.5/3.6°C w/ ice

TAL-8245-360 0310

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: R Clarke	Lab PM:	Carrier Tracking No(s):	COC No: 017291
Client Contact: Keith Westberry	Phone: 860 617 3948	E-Mail:		Page: 2 of 2
Company: ETech				Job #:
Address: PO Box 2426	Due Date Requested: Contract	Analysis Requested		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, Z - other (specify)
City: Uncle	TAT Requested (days): Keith			
State, Zip: TX 75771	Quote #:			Regulatory programs: MCP ☐ GW1/S1 ☐ RCP ☐ CT RSR ☐ DEP Form ☐ EDD Required ☐
Phone: 903-881-8390	PO #:			
Email: KeithW@etechcom	WO #:			
Project Name/number: Beaton Corbin	SSOW#:			
Site: Southington CT				

Page 247 of 247 — Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC (E-J) EPH Metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	X			
BC-SO-SB13D-0810	11/28/11	1040						✓		Freeze or analyze VOC upon receipt
BC-TB-112811	11/28/11	0900						✓		

SB 11/29/11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	11/29/11 0930	TTNUS		11-29-11 9:30	
	11-29-11 11:50			11/29/11 11:50	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.5/3.6°C w/ ice

TAL-8245-360 0310

CASE NARRATIVE

Client: Etech Environmental & Safety Solutions

Project: Beaton & Corbin Factory Site

Report Number: 360-37832-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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 11/29/2011; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 3.5 and 3.6 C.

Regarding questions 5a and 5b on the CT RCP certification form, the laboratory has evaluated reporting limits against the most stringent class criteria in the absence of a specified class on the chain-of-custody.

The LCS Duplicate (LCSD) is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples BC-SO-SB301-0608 (360-37832-1), BC-SO-SB302-0810 (360-37832-2), BC-SO-SB133-0002 (360-37832-3), BC-SO-SBDUP01 (360-37832-4), BC-SO-SB131-1012 (360-37832-5), BC-SO-SB128-0002 (360-37832-6), BC-SO-SB303-0204 (360-37832-7), BC-SO-SB132-1012 (360-37832-8), BC-SO-SB129-0204 (360-37832-9), BC-SO-SB130-0810 (360-37832-10) and BC-TB-112811 (360-37832-11) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B (RCP). The samples were prepared on 12/01/2011 and 12/06/2011 and analyzed on 12/01/2011, 12/06/2011 and 12/07/2011.

All samples submitted in water preserved vials for volatile analysis were placed in the laboratory's freezer on 11/29/2011 at 1320.

4-Methyl-2-pentanone (MIBK), Chloroethane and N-Propylbenzene failed the recovery criteria high for LCS 360-84384/1-A.
4-Methyl-2-pentanone (MIBK), N-Propylbenzene and trans-1,4-Dichloro-2-butene failed the recovery criteria high for LCS 360-84452/1-A.
Refer to the QC report for details.

For batch 84385, 2-Butanone (MEK), 2-Chlorotoluene, 2-Hexanone, 4-Methyl-2-pentanone (MIBK), m-Xylene & p-Xylene, N-Propylbenzene and trans-1,4-Dichloro-2-butene failed the continuing calibration verification (CCV) criteria high. For batch 84468, 4-Methyl-2-pentanone (MIBK), N-Propylbenzene and trans-1,4-Dichloro-2-butene failed the CCV criteria high.

The desired reagent water to soil ratio was high and outside of the method guidance limits of 1:1 ± 25% for samples BC-SO-SB131-1012 (360-37832-5) and BC-SO-SB130-0810 (360-37832-10).

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS

Samples BC-SO-SB301-0608 (360-37832-1), BC-SO-SB302-0810 (360-37832-2), BC-SO-SB133-0002 (360-37832-3), BC-SO-SBDUP01 (360-37832-4), BC-SO-SB131-1012 (360-37832-5), BC-SO-SB128-0002 (360-37832-6), BC-SO-SB303-0204 (360-37832-7), BC-SO-SB132-1012 (360-37832-8), BC-SO-SB129-0204 (360-37832-9) and BC-SO-SB130-0810 (360-37832-10) were analyzed for extractable petroleum hydrocarbons in accordance with MA DEP MA-EPH. The samples were prepared on 11/30/2011 and analyzed on 12/09/2011.

According to EPH method reference 11.2.6.2, using GC/MS, the laboratory has identified a single component contaminant that appears at the same retention time in all laboratory and field samples. This contaminant is derived from the method's SPE cartridge and is not included in the calculation of the C11-C22 Aromatics range.

No difficulties were encountered during the EPH analyses.

All quality control parameters were within the acceptance limits.

METALS (ICP)

Samples BC-SO-SB301-0608 (360-37832-1), BC-SO-SB302-0810 (360-37832-2), BC-SO-SB133-0002 (360-37832-3), BC-SO-SBDUP01 (360-37832-4), BC-SO-SB131-1012 (360-37832-5), BC-SO-SB128-0002 (360-37832-6), BC-SO-SB303-0204 (360-37832-7), BC-SO-SB132-1012 (360-37832-8), BC-SO-SB129-0204 (360-37832-9) and BC-SO-SB130-0810 (360-37832-10) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/30/2011 and analyzed on 12/01/2011.

Barium failed the recovery criteria low for the MS of sample BC-SO-SB301-0608 (360-37832-1) in batch 360-84202. Lead exceeded the rpd limit for the duplicate of sample BC-SO-SB301-0608 (360-37832-1). The associated LCS recovered within control limits. Refer to the QC report for details.

At the request of the client, an abbreviated RCP analyte list (EPA RCRA 8) was reported for this job.

No other difficulties were encountered during the total metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples BC-SO-SB301-0608 (360-37832-1), BC-SO-SB302-0810 (360-37832-2), BC-SO-SB133-0002 (360-37832-3), BC-SO-SBDUP01 (360-37832-4), BC-SO-SB131-1012 (360-37832-5), BC-SO-SB128-0002 (360-37832-6), BC-SO-SB303-0204 (360-37832-7), BC-SO-SB132-1012 (360-37832-8), BC-SO-SB129-0204 (360-37832-9) and BC-SO-SB130-0810 (360-37832-10) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A (RCP). The samples were prepared on 12/08/2011 and analyzed on 12/08/2011 and 12/09/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples BC-SO-SB301-0608 (360-37832-1), BC-SO-SB302-0810 (360-37832-2), BC-SO-SB133-0002 (360-37832-3), BC-SO-SBDUP01 (360-37832-4), BC-SO-SB131-1012 (360-37832-5), BC-SO-SB128-0002 (360-37832-6), BC-SO-SB303-0204 (360-37832-7), BC-SO-SB132-1012 (360-37832-8), BC-SO-SB129-0204 (360-37832-9) and BC-SO-SB130-0810 (360-37832-10) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 11/30/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 83953

SDG No.: 360-37832

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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								
1,1-Dichloroethane	0.6166 0.5925	0.5946 0.6814	0.6479	0.5729	0.5649	Ave		0.6101			0.1000	6.9		15.0			
Acrylonitrile	0.0479 0.0495	0.0509 0.0582	0.0478	0.0424	0.0471	Ave		0.0491				9.8		15.0			
cis-1,2-Dichloroethene	0.4782 0.4446	0.4326 0.5226	0.4819	0.4330	0.4306	Ave		0.4605				7.6		15.0			
2,2-Dichloropropane	0.4706 0.3539	0.4203 0.3989	0.4301	0.3759	0.3839	Ave		0.4048				9.6		15.0			
Chloroform	0.5596 0.5245	0.5476 0.6007	0.5872	0.5298	0.5105	Ave		0.5514				6.0		15.0			
Carbon tetrachloride	0.3720 0.3343	0.3576 0.4059	0.3675	0.3246	0.3411	Ave		0.3576				7.7		15.0			
Tetrahydrofuran	0.0460 0.0366	0.0355 0.0440	0.0359	0.0335	0.0361	Ave		0.0382				12.0		15.0			
1,1,1-Trichloroethane	0.4636 0.4231	0.4313 0.5111	0.4606	0.4181	0.4163	Ave		0.4463				7.7		15.0			
2-Butanone (MEK)	1.2613 1.2596	1.3044 1.1281	1.1907	1.0895	1.1005	Ave		1.1906				7.3		15.0			
1,1-Dichloropropene	0.3760 0.4041	0.3738 0.4446	0.4312	0.3932	0.3849	Ave		0.4011				6.8		15.0			
Benzene	1.1565 1.1119	1.0668 1.2185	1.2175	1.0917	1.0879	Ave		1.1358				5.5		15.0			
1,2-Dichloroethane	0.2766 0.2800	0.2527 0.3676	0.2648	0.2447	0.2685	Ave		0.2793				15.0		15.0			
Methylcyclohexane	0.4986 0.4653	0.5269 0.4493	0.5987	0.5099	0.4787	Ave		0.5039				9.8		15.0			
Trichloroethene	0.3754 0.2928	0.3233 0.2839	0.3550	0.3089	0.3058	Ave		0.3207				10.0		15.0			
Dibromomethane	0.1313 0.1354	0.1099 0.1709	0.1276	0.1181	0.1301	Ave		0.1319				15.0		15.0			
1,2-Dichloropropane	0.2950 0.2396	0.2603 0.2094	0.2802	0.2481	0.2461	Ave		0.2541				11.0		15.0			
Dichlorobromomethane	0.3381 0.3419	0.2911 0.4333	0.3403	0.3057	0.3288	Ave		0.3399				13.0		15.0			
cis-1,3-Dichloropropene	0.3684 0.4117	0.3211 0.5075	0.3788	0.3456	0.3840	Ave		0.3882				15.0		15.0			
Toluene	0.7381 0.6941	0.6360 0.7596	0.7464	0.6628	0.6763	Ave		0.7019				6.7		15.0			
4-Methyl-2-pentanone (MIBK)	2.2127 2.4728	2.4193 1.7794	2.6534	2.3977	2.4595	Ave		2.3421				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
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 83953

SDG No.: 360-37832

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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-Trichloropropane	0.0826 0.0689	0.0675 0.0659	0.0775	0.0653	0.0696	Ave		0.0710				9.2		15.0			
trans-1,4-Dichloro-2-butene	0.0745 0.0431	0.0638 0.0334	0.0611	0.0612	0.0639	Qua	0.0813	0.0491	0						0.9950		0.9900
4-Chlorotoluene	1.4801 1.3736	1.4706 1.1639	1.6443	1.5143	1.4423	Ave		1.4413				10.0		15.0			
tert-Butylbenzene	1.3153 1.2458	1.3128 1.0462	1.5516	1.4253	1.3277	Ave		1.3178				12.0		15.0			
1,2,4-Trimethylbenzene	2.2329 1.4766	1.7054 1.2321	2.6314	2.3764	1.5981	Lin	6.1506	1.2044							0.9960		0.9900
sec-Butylbenzene	2.2345 1.9965	2.2257 1.6254	2.6353	2.3831	2.1738	Ave		2.1820				14.0		15.0			
4-Isopropyltoluene	1.6452 1.5378	1.6891 1.2653	1.9776	1.7914	1.6752	Ave		1.6545				13.0		15.0			
1,3-Dichlorobenzene	0.8906 0.7882	0.9009 0.6726	0.9935	0.8918	0.8526	Ave		0.8558				12.0		15.0			
1,4-Dichlorobenzene	2.6755 2.5865	2.6036 2.5599	3.0740	2.7405	2.7235	Ave		2.7091				6.5		15.0			
n-Butylbenzene	5.4159 5.3956	5.4101 4.6703	6.5984	6.1801	5.7477	Ave		5.6312				11.0		15.0			
1,2-Dichlorobenzene	2.3287 2.3706	2.3172 2.3201	2.6528	2.4907	2.4720	Ave		2.4217				5.1		15.0			
1,2-Dibromo-3-Chloropropane	0.1424 0.1485	0.1159 0.1722	0.1261	0.1263	0.1463	Ave		0.1397				13.0		15.0			
Hexachlorobutadiene	0.8693 0.9804	0.8741 0.9748	1.0583	1.0121	0.9872	Ave		0.9652				7.2		15.0			
1,2,4-Trichlorobenzene	1.3016 1.4471	1.2698 1.5445	1.5150	1.4464	1.5087	Ave		1.4333				7.5		15.0			
Naphthalene	1.8440 2.2137	1.7088 2.5132	1.8758	1.9410	2.2076	Ave		2.0435				14.0		15.0			
1,2,3-Trichlorobenzene	0.9086 1.1733	0.9506 1.2993	1.1316	1.1082	1.1884	Ave		1.1086				12.0		15.0			
Dibromofluoromethane	0.2514 0.2376	0.2397 0.2631	0.2316	0.2321	0.2318	Ave		0.2411				5.0		15.0			
Toluene-d8 (Surr)	0.8828 1.0135	0.8585 1.3161	0.8934	0.8961	0.9448	Ave		0.9722				16.0	*	15.0			
4-Bromofluorobenzene	0.5546 0.5498	0.5517 0.5889	0.5352	0.5359	0.5449	Ave		0.5516				3.3		15.0			

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

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVIS 360-84385/2 Calibration Date: 12/01/2011 17:44

Instrument ID: HP #1 GC/MS Calib Start Date: 11/28/2011 17:05

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/28/2011 19:38

Lab File ID: V55209.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4388	0.4406		101	100	0.4	30.0
Chloromethane	Ave	0.5487	0.6520	0.1000	119	100	18.8	30.0
Vinyl chloride	Ave	0.4537	0.5122		113	100	12.9	20.0
Bromomethane	Ave	0.2879	0.3129		109	100	8.7	30.0
Chloroethane	Lin		0.2923		142	100	41.5*	30.0
Trichlorofluoromethane	Ave	0.4807	0.4745		98.5	100	-1.3	30.0
1,1-Dichloroethene	Ave	0.2882	0.2951		103	100	2.4	20.0
Carbon disulfide	Ave	0.8562	0.9233		108	100	7.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1924	0.1696		88.0	100	-11.8	30.0
Methylene Chloride	Lin1		0.3319		99.0	100	-1.0	30.0
Acetone	Lin2		0.8872		1270	1000	27.2	30.0
Methyl acetate	Ave	0.0971	0.1213		1250	1000	24.9	30.0
trans-1,2-Dichloroethene	Ave	0.4806	0.5374		112	100	11.8	30.0
Methyl tert-butyl ether	Ave	0.5533	0.5824		106	100	5.3	30.0
1,1-Dichloroethane	Ave	0.6101	0.6634	0.1000	109	100	8.7	30.0
Acrylonitrile	Ave	0.0491	0.0562		115	100	14.4	30.0
cis-1,2-Dichloroethene	Ave	0.4605	0.5123		111	100	11.2	30.0
2,2-Dichloropropane	Ave	0.4048	0.4357		108	100	7.6	30.0
Chloroform	Ave	0.5514	0.5857		106	100	6.2	20.0
Carbon tetrachloride	Ave	0.3576	0.3358		94.0	100	-6.1	30.0
Tetrahydrofuran	Ave	0.0382	0.0472		1240	1000	23.5	30.0
1,1,1-Trichloroethane	Ave	0.4463	0.4340		97.0	100	-2.8	30.0
2-Butanone (MEK)	Ave	1.191	1.648		1380	1000	38.4*	30.0
1,1-Dichloropropene	Ave	0.4011	0.4579		114	100	14.2	30.0
Benzene	Ave	1.136	1.272		112	100	12.0	30.0
1,2-Dichloroethane	Ave	0.2793	0.2862		103	100	2.5	30.0
Methylcyclohexane	Ave	0.5039	0.5697		113	100	13.0	30.0
Trichloroethene	Ave	0.3207	0.3252		102	100	1.4	30.0
Dibromomethane	Ave	0.1319	0.1346		102	100	2.0	30.0
1,2-Dichloropropane	Ave	0.2541	0.3033		120	100	19.4	20.0
Dichlorobromomethane	Ave	0.3399	0.3614		107	100	6.3	30.0
cis-1,3-Dichloropropene	Ave	0.3882	0.4499		116	100	15.9	30.0
Toluene	Ave	0.7019	0.7757		111	100	10.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	2.342	3.561		1520	1000	52.0*	30.0
Tetrachloroethene	Ave	0.2691	0.2654		98.5	100	-1.4	30.0
trans-1,3-Dichloropropene	Ave	0.2595	0.3038		117	100	17.1	30.0
1,1,2-Trichloroethane	Ave	0.1270	0.1461		115	100	15.1	30.0
Chlorodibromomethane	Lin		0.1927		87.5	100	-12.5	30.0
1,3-Dichloropropane	Lin		0.3076		99.5	100	-0.5	30.0
Ethylene Dibromide	Lin		0.1565		90.5	100	-9.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVIS 360-84385/2 Calibration Date: 12/01/2011 17:44

Instrument ID: HP #1 GC/MS Calib Start Date: 11/28/2011 17:05

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/28/2011 19:38

Lab File ID: V55209.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Hexanone	Ave	1.542	2.269		1470	1000	47.1*	30.0
Chlorobenzene	Ave	0.9835	1.034	0.3000	105	100	5.1	30.0
Ethylbenzene	Ave	1.845	2.045		111	100	10.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3645	0.3556		97.5	100	-2.4	30.0
m-Xylene & p-Xylene	Lin		1.569		271	200	35.5*	30.0
o-Xylene	Ave	1.572	1.690		108	100	7.5	30.0
Styrene	Ave	1.132	1.213		107	100	7.2	30.0
Bromoform	Lin		0.5287	0.1000	92.0	100	-8.0	30.0
Isopropylbenzene	Ave	1.951	2.050		105	100	5.1	30.0
Bromobenzene	Ave	0.7093	0.7965		113	100	12.3	30.0
N-Propylbenzene	Lin		2.512		139	100	39.0*	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8529	1.039	0.3000	122	100	21.8	30.0
2-Chlorotoluene	Lin		1.662		133	100	32.5*	30.0
1,3,5-Trimethylbenzene	Lin		1.563		121	100	20.5	30.0
1,2,3-Trichloropropane	Ave	0.0710	0.0683		96.0	100	-3.8	30.0
trans-1,4-Dichloro-2-butene	Qua		0.0731		150	100	50.0*	30.0
4-Chlorotoluene	Ave	1.441	1.539		107	100	6.8	30.0
tert-Butylbenzene	Ave	1.318	1.321		101	100	0.3	30.0
1,2,4-Trimethylbenzene	Lin		1.565		105	100	4.5	30.0
sec-Butylbenzene	Ave	2.182	2.245		103	100	2.9	30.0
4-Isopropyltoluene	Ave	1.655	1.617		98.0	100	-2.2	30.0
1,3-Dichlorobenzene	Ave	0.8558	0.8137		95.0	100	-4.9	30.0
1,4-Dichlorobenzene	Ave	2.709	2.878		106	100	6.2	30.0
n-Butylbenzene	Ave	5.631	6.596		117	100	17.1	30.0
1,2-Dichlorobenzene	Ave	2.422	2.496		103	100	3.1	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1397	0.1246		89.0	100	-10.8	30.0
Hexachlorobutadiene	Ave	0.9652	0.8663		90.0	100	-10.2	30.0
1,2,4-Trichlorobenzene	Ave	1.433	1.301		91.0	100	-9.2	30.0
Naphthalene	Ave	2.043	1.931		94.5	100	-5.5	30.0
1,2,3-Trichlorobenzene	Ave	1.109	1.006		90.5	100	-9.3	30.0
Dibromofluoromethane	Ave	0.2411	0.2161		89.5	100	-10.4	30.0
Toluene-d8 (Surr)	Ave	0.9722	0.9562		98.5	100	-1.6	30.0
4-Bromofluorobenzene	Ave	0.5516	0.5502		99.5	100	-0.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVIS 360-84468/2 Calibration Date: 12/06/2011 17:42

Instrument ID: HP #1 GC/MS Calib Start Date: 11/28/2011 17:05

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/28/2011 19:38

Lab File ID: V55234.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4388	0.3902		89.0	100	-11.1	30.0
Chloromethane	Ave	0.5487	0.5753	0.1000	105	100	4.9	30.0
Vinyl chloride	Ave	0.4537	0.4572		101	100	0.8	20.0
Bromomethane	Ave	0.2879	0.2706		94.0	100	-6.0	30.0
Chloroethane	Lin		0.2557		122	100	22.0	30.0
Trichlorofluoromethane	Ave	0.4807	0.4391		91.5	100	-8.6	30.0
1,1-Dichloroethene	Ave	0.2882	0.2693		93.5	100	-6.6	20.0
Carbon disulfide	Ave	0.8562	0.8020		93.5	100	-6.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1924	0.1626		84.5	100	-15.5	30.0
Methylene Chloride	Lin1		0.3185		95.0	100	-5.0	30.0
Acetone	Lin2		0.7442		1060	1000	6.3	30.0
trans-1,2-Dichloroethene	Ave	0.4806	0.4855		101	100	1.0	30.0
Methyl acetate	Ave	0.0971	0.1116		1150	1000	14.9	30.0
Methyl tert-butyl ether	Ave	0.5533	0.5375		97.0	100	-2.9	30.0
1,1-Dichloroethane	Ave	0.6101	0.6019	0.1000	98.5	100	-1.3	30.0
Acrylonitrile	Ave	0.0491	0.0531		108	100	8.1	30.0
cis-1,2-Dichloroethene	Ave	0.4605	0.4618		101	100	0.3	30.0
2,2-Dichloropropane	Ave	0.4048	0.3831		94.5	100	-5.4	30.0
Chloroform	Ave	0.5514	0.5317		96.5	100	-3.6	20.0
Carbon tetrachloride	Ave	0.3576	0.3194		89.5	100	-10.7	30.0
Tetrahydrofuran	Ave	0.0382	0.0431		1130	1000	12.8	30.0
1,1,1-Trichloroethane	Ave	0.4463	0.4106		92.0	100	-8.0	30.0
2-Butanone (MEK)	Ave	1.191	1.329		1120	1000	11.6	30.0
1,1-Dichloropropene	Ave	0.4011	0.4171		104	100	4.0	30.0
Benzene	Ave	1.136	1.147		101	100	1.0	30.0
1,2-Dichloroethane	Ave	0.2793	0.2604		93.5	100	-6.7	30.0
Methylcyclohexane	Ave	0.5039	0.5245		104	100	4.1	30.0
Trichloroethene	Ave	0.3207	0.3064		95.5	100	-4.5	30.0
Dibromomethane	Ave	0.1319	0.1276		96.5	100	-3.3	30.0
1,2-Dichloropropane	Ave	0.2541	0.2749		108	100	8.2	20.0
Dichlorobromomethane	Ave	0.3399	0.3421		101	100	0.7	30.0
cis-1,3-Dichloropropene	Ave	0.3882	0.4067		105	100	4.8	30.0
Toluene	Ave	0.7019	0.6975		99.5	100	-0.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	2.342	3.111		1330	1000	32.8*	30.0
Tetrachloroethene	Ave	0.2691	0.2335		87.0	100	-13.2	30.0
trans-1,3-Dichloropropene	Ave	0.2595	0.2638		102	100	1.7	30.0
1,1,2-Trichloroethane	Ave	0.1270	0.1284		101	100	1.2	30.0
Chlorodibromomethane	Lin		0.1717		80.0	100	-20.0	30.0
1,3-Dichloropropane	Lin		0.2694		89.5	100	-10.5	30.0
Ethylene Dibromide	Lin		0.1338		80.0	100	-20.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVIS 360-84468/2 Calibration Date: 12/06/2011 17:42

Instrument ID: HP #1 GC/MS Calib Start Date: 11/28/2011 17:05

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/28/2011 19:38

Lab File ID: V55234.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Hexanone	Ave	1.542	1.838		1190	1000	19.2	30.0
Chlorobenzene	Ave	0.9835	0.9398	0.3000	95.5	100	-4.4	30.0
Ethylbenzene	Ave	1.845	1.906		104	100	3.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3645	0.3390		93.0	100	-7.0	30.0
m-Xylene & p-Xylene	Lin		1.449		247	200	23.5	30.0
o-Xylene	Ave	1.572	1.611		103	100	2.5	30.0
Styrene	Ave	1.132	1.085		96.0	100	-4.1	30.0
Bromoform	Lin		0.4339	0.1000	78.0	100	-22.0	30.0
Isopropylbenzene	Ave	1.951	1.966		101	100	0.8	30.0
Bromobenzene	Ave	0.7093	0.7318		103	100	3.2	30.0
N-Propylbenzene	Lin		2.390		131	100	31.0*	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8529	0.9358	0.3000	110	100	9.7	30.0
2-Chlorotoluene	Lin		1.570		124	100	23.5	30.0
1,3,5-Trimethylbenzene	Lin		1.513		116	100	15.5	30.0
1,2,3-Trichloropropane	Ave	0.0710	0.0645		91.0	100	-9.1	30.0
trans-1,4-Dichloro-2-butene	Qua		0.0654		132	100	32.0*	30.0
4-Chlorotoluene	Ave	1.441	1.413		98.0	100	-2.0	30.0
tert-Butylbenzene	Ave	1.318	1.283		97.5	100	-2.6	30.0
1,2,4-Trimethylbenzene	Lin		1.547		103	100	3.0	30.0
sec-Butylbenzene	Ave	2.182	2.226		102	100	2.0	30.0
4-Isopropyltoluene	Ave	1.655	1.627		98.5	100	-1.6	30.0
1,3-Dichlorobenzene	Ave	0.8558	0.7876		92.0	100	-8.0	30.0
1,4-Dichlorobenzene	Ave	2.709	2.474		91.5	100	-8.7	30.0
n-Butylbenzene	Ave	5.631	6.198		110	100	10.1	30.0
1,2-Dichlorobenzene	Ave	2.422	2.265		93.5	100	-6.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1397	0.1229		88.0	100	-12.0	30.0
Hexachlorobutadiene	Ave	0.9652	0.8604		89.0	100	-10.9	30.0
1,2,4-Trichlorobenzene	Ave	1.433	1.311		91.5	100	-8.6	30.0
Naphthalene	Ave	2.043	2.073		102	100	1.5	30.0
1,2,3-Trichlorobenzene	Ave	1.109	1.046		94.5	100	-5.6	30.0
Dibromofluoromethane	Ave	0.2411	0.2263		94.0	100	-6.1	30.0
Toluene-d8 (Surr)	Ave	0.9722	0.9329		96.0	100	-4.0	30.0
4-Bromofluorobenzene	Ave	0.5516	0.5479		99.5	100	-0.7	30.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84452

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84452/1-A	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84452	Lab File ID:	V55235.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/06/2011 1808	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84452/2-A	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84452	Lab File ID:	V55236.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/06/2011 1833	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	96	91	70 - 130	6	25		
1,1,1-Trichloroethane	96	87	70 - 130	10	25		
1,1,2,2-Tetrachloroethane	107	112	70 - 130	5	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	86	79	70 - 130	9	25		
1,1,2-Trichloroethane	104	106	70 - 130	2	25		
1,1-Dichloroethane	100	95	70 - 130	6	25		
1,1-Dichloroethene	94	88	70 - 130	7	25		
1,1-Dichloropropene	107	98	70 - 130	9	25		
1,2,3-Trichlorobenzene	94	92	70 - 130	2	25		
1,2,3-Trichloropropane	89	90	70 - 130	2	25		
1,2,4-Trichlorobenzene	92	90	70 - 130	2	25		
1,2,4-Trimethylbenzene	108	99	70 - 130	8	25		
1,2-Dibromo-3-Chloropropane	89	90	70 - 130	1	25		
1,2-Dichlorobenzene	95	96	70 - 130	1	25		
1,2-Dichloroethane	94	95	70 - 130	1	25		
1,2-Dichloropropane	112	109	70 - 130	2	25		
1,3,5-Trimethylbenzene	122	110	70 - 130	10	25		
1,3-Dichlorobenzene	94	90	70 - 130	5	25		
1,3-Dichloropropane	90	93	70 - 130	3	25		
1,4-Dichlorobenzene	95	93	70 - 130	2	25		
2,2-Dichloropropane	106	85	70 - 130	22	25		
2-Butanone (MEK)	115	125	70 - 130	8	25		
2-Chlorotoluene	126	115	70 - 130	9	25		
2-Hexanone	125	136	70 - 130	8	25		
4-Chlorotoluene	101	97	70 - 130	4	25		
4-Isopropyltoluene	101	94	70 - 130	8	25		
4-Methyl-2-pentanone (MIBK)	135	143	70 - 130	6	25	*	
Acetone	122	115	70 - 130	6	25		
Acrylonitrile	110	114	70 - 130	4	25		
Benzene	105	100	70 - 130	4	25		
Bromobenzene	105	102	70 - 130	3	25		
Bromoform	79	82	70 - 130	4	25		
Bromomethane	102	88	70 - 130	14	25		
Carbon disulfide	95	88	70 - 130	7	25		
Carbon tetrachloride	108	82	70 - 130	27	25		
Chlorobenzene	99	96	70 - 130	4	25		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84452

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84452/1-A	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84452	Lab File ID:	V55235.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/06/2011 1808	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84452/2-A	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84452	Lab File ID:	V55236.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/06/2011 1833	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chlorodibromomethane	82	83	70 - 130	1	25		
Chloroethane	126	111	70 - 130	13	25		
Chloroform	99	95	70 - 130	4	25		
Chloromethane	112	100	70 - 130	11	25		
cis-1,2-Dichloroethene	103	98	70 - 130	5	25		
cis-1,3-Dichloropropene	107	108	70 - 130	1	25		
Dibromomethane	98	100	70 - 130	3	25		
Dichlorobromomethane	102	101	70 - 130	1	25		
Dichlorodifluoromethane	92	82	70 - 130	12	25		
Ethylbenzene	105	100	70 - 130	5	25		
Ethylene Dibromide	82	84	70 - 130	2	25		
Hexachlorobutadiene	90	85	70 - 130	6	25		
Isopropylbenzene	104	96	70 - 130	9	25		
m-Xylene & p-Xylene	127	119	70 - 130	7	25		
Methyl tert-butyl ether	99	99	70 - 130	1	25		
Methylene Chloride	99	98	70 - 130	1	25		
n-Butylbenzene	113	107	70 - 130	6	25		
N-Propylbenzene	134	123	70 - 130	9	25	*	
Naphthalene	100	99	70 - 130	1	25		
o-Xylene	106	100	70 - 130	6	25		
sec-Butylbenzene	105	96	70 - 130	9	25		
Styrene	101	98	70 - 130	3	25		
tert-Butylbenzene	101	92	70 - 130	9	25		
Tetrachloroethene	91	86	70 - 130	5	25		
Tetrahydrofuran	110	117	70 - 130	6	25		
Toluene	104	100	70 - 130	4	25		
trans-1,2-Dichloroethene	102	96	70 - 130	6	25		
trans-1,3-Dichloropropene	104	108	70 - 130	4	25		
trans-1,4-Dichloro-2-butene	132	134	70 - 130	2	25	*	
Trichloroethene	99	93	70 - 130	6	25		
Trichlorofluoromethane	97	84	70 - 130	14	25		
Vinyl chloride	103	92	70 - 130	11	25		
Xylenes, Total	120	113	70 - 130	6	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	99	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84384

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84384/1-A	Analysis Batch:	360-84385	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84384	Lab File ID:	V55210.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	12/01/2011 1809	Units:	ug/Kg	Final Weight/Volume:	10 g
Prep Date:	12/01/2011 1211				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84384/2-A	Analysis Batch:	360-84385	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84384	Lab File ID:	V55211.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	12/01/2011 1834	Units:	ug/Kg	Final Weight/Volume:	10 g
Prep Date:	12/01/2011 1211				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	100	103	70 - 130	3	25		
1,1,1-Trichloroethane	97	93	70 - 130	4	25		
1,1,2,2-Tetrachloroethane	115	113	70 - 130	2	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	87	86	70 - 130	1	25		
1,1,2-Trichloroethane	102	104	70 - 130	1	25		
1,1-Dichloroethane	105	106	70 - 130	1	25		
1,1-Dichloroethene	97	99	70 - 130	2	25		
1,1-Dichloropropene	111	109	70 - 130	2	25		
1,2,3-Trichlorobenzene	97	99	70 - 130	3	25		
1,2,3-Trichloropropane	92	97	70 - 130	6	25		
1,2,4-Trichlorobenzene	94	97	70 - 130	3	25		
1,2,4-Trimethylbenzene	110	111	70 - 130	1	25		
1,2-Dibromo-3-Chloropropane	91	96	70 - 130	5	25		
1,2-Dichlorobenzene	104	104	70 - 130	0	25		
1,2-Dichloroethane	98	103	70 - 130	5	25		
1,2-Dichloropropane	115	106	70 - 130	8	25		
1,3,5-Trimethylbenzene	125	122	70 - 130	3	25		
1,3-Dichlorobenzene	97	101	70 - 130	4	25		
1,3-Dichloropropane	89	91	70 - 130	2	25		
1,4-Dichlorobenzene	103	102	70 - 130	1	25		
2,2-Dichloropropane	107	95	70 - 130	11	25		
2-Butanone (MEK)	127	130	70 - 130	3	25		
2-Chlorotoluene	129	127	70 - 130	2	25		
2-Hexanone	126	120	70 - 130	5	25		
4-Chlorotoluene	103	110	70 - 130	7	25		
4-Isopropyltoluene	103	105	70 - 130	1	25		
4-Methyl-2-pentanone (MIBK)	135	125	70 - 130	7	25	*	
Acetone	125	121	70 - 130	4	25		
Acrylonitrile	110	122	70 - 130	11	25		
Benzene	108	109	70 - 130	1	25		
Bromobenzene	108	110	70 - 130	2	25		
Bromoform	84	87	70 - 130	3	25		
Bromomethane	107	103	70 - 130	3	25		
Carbon disulfide	104	105	70 - 130	1	25		
Carbon tetrachloride	107	89	70 - 130	18	25		
Chlorobenzene	103	105	70 - 130	2	25		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84384

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84384/1-A	Analysis Batch:	360-84385	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84384	Lab File ID:	V55210.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	12/01/2011 1809	Units:	ug/Kg	Final Weight/Volume:	10 g
Prep Date:	12/01/2011 1211				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84384/2-A	Analysis Batch:	360-84385	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84384	Lab File ID:	V55211.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	12/01/2011 1834	Units:	ug/Kg	Final Weight/Volume:	10 g
Prep Date:	12/01/2011 1211				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chlorodibromomethane	81	84	70 - 130	4	25		
Chloroethane	136	131	70 - 130	4	25	*	
Chloroform	102	104	70 - 130	2	25		
Chloromethane	116	112	70 - 130	4	25		
cis-1,2-Dichloroethene	106	109	70 - 130	3	25		
cis-1,3-Dichloropropene	108	104	70 - 130	4	25		
Dibromomethane	100	101	70 - 130	1	25		
Dichlorobromomethane	104	100	70 - 130	4	25		
Dichlorodifluoromethane	100	98	70 - 130	2	25		
Ethylbenzene	109	107	70 - 130	2	25		
Ethylene Dibromide	81	86	70 - 130	5	25		
Hexachlorobutadiene	95	95	70 - 130	1	25		
Isopropylbenzene	107	104	70 - 130	2	25		
m-Xylene & p-Xylene	130	130	70 - 130	0	25		
Methyl tert-butyl ether	102	108	70 - 130	6	25		
Methylene Chloride	95	100	70 - 130	5	25		
n-Butylbenzene	120	111	70 - 130	8	25		
N-Propylbenzene	138	135	70 - 130	2	25	*	
Naphthalene	101	104	70 - 130	2	25		
o-Xylene	108	108	70 - 130	0	25		
sec-Butylbenzene	106	105	70 - 130	1	25		
Styrene	103	108	70 - 130	5	25		
tert-Butylbenzene	104	105	70 - 130	1	25		
Tetrachloroethene	94	94	70 - 130	0	25		
Tetrahydrofuran	125	122	70 - 130	3	25		
Toluene	105	100	70 - 130	5	25		
trans-1,2-Dichloroethene	109	109	70 - 130	0	25		
trans-1,3-Dichloropropene	104	101	70 - 130	3	25		
trans-1,4-Dichloro-2-butene	129	137	70 - 130	6	25		
Trichloroethene	101	98	70 - 130	3	25		
Trichlorofluoromethane	94	92	70 - 130	2	25		
Vinyl chloride	108	105	70 - 130	2	25		
Xylenes, Total	123	123	70 - 130	0	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	101	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84078

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCSSRM 360-84078/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCDSRM 360-84078/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/01/2011 1313			Analysis Date:	12/01/2011 1316
Prep Date:	11/30/2011 1047			Prep Date:	11/30/2011 1047
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	90.0	90.0	83.0	85.0
Barium	730	730	622	617
Cadmium	106	106	90.4	95.4
Chromium	272	272	256	254
Lead	267	267	223	221
Selenium	154	154	123	128
Silver	67.5	67.5	57.4	57.4

Matrix Spike - Batch: 360-84078

Method: 6010B
Preparation: 3050B

Lab Sample ID:	360-37832-1	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.63 g
Analysis Date:	12/01/2011 1325	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	ND	78.7	72.5	91	75 - 125	
Barium	75	78.7	132	73	75 - 125	F
Cadmium	ND	78.7	70.7	90	75 - 125	
Chromium	16	78.7	82.4	84	75 - 125	
Lead	17	78.7	98.6	103	75 - 125	
Selenium	ND	78.7	68.8	87	75 - 125	
Silver	ND	78.7	69.5	88	75 - 125	

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Duplicate - Batch: 360-84078

Method: 6010B
Preparation: 3050B

Lab Sample ID:	360-37832-1	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.62 g
Analysis Date:	12/01/2011 1322	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	ND	ND	NC	35	
Barium	75	57.9	25	35	
Cadmium	ND	ND	NC	35	
Chromium	16	13.6	17	35	
Lead	17	7.04	84	35	F
Selenium	ND	ND	NC	35	
Silver	ND	ND	NC	35	

Tetra Tech **INTERNAL CORRESPONDENCE**

PHIL-24645

TO: **BRANDON SMITH** **DATE:** **JANUARY 24, 2012**

FROM: **MEGAN RITCHIE** **COPIES:** **DV FILE**

SUBJECT: **INORGANIC AND ORGANIC DATA VALIDATION – VOC/EPH/METALS**
FORMER BEATON & CORBIN BROWNSFIELD SITE, SOUTHINGTON, CONNECTICUT
SAMPLE DELIVERY GROUP (SDG) 360-J37847-1

SAMPLES: 7/Solid/VOC/EPH/METALS

BC-SO-SB200A-0002	BC-SO-SB306-1012
BC-SO-SB304-0406	BC-SO-SB307-0810
BC-SO-SB305-0203	BC-SO-SB308-1012
BC-SO-SB305-1012	

1/Aqueous/VOC

BC-TB-112911

Overview

The sample set for the Former Beaton & Corbin Brownsfield Site, Southington, CT, SDG 360-J37847-1 consisted of seven (7) solid environmental samples (designated BC-SO-SB- and BC-SO-DUP-) and one (1) trip blank (designated BC-TB-). All samples (except the trip blank) were analyzed for volatile organic compounds (VOCs), extractable petroleum hydrocarbons (EPH), and metals. Sample BC-SO-SB308-1012 was designated for matrix spike/matrix spike duplicate (MS/MSD) analyses.

The samples were collected by eTech Environmental & Safety Solutions, Inc. (eTech) on November 29, 2011 and analyzed by the TestAmerica laboratory in Westfield, Massachusetts.

All analyses were conducted in accordance with SW-846 Methods 8260B for VOCs, 6010B for metals, and 7471A for mercury. EPH was analyzed using the Massachusetts Department of Environmental Protection Extractable Petroleum Hydrocarbons Method (MADEP-EPH). A limited data validation was performed based on the following parameters:

* • Data Completeness
* • Holding Times
* • GC/MS Instrument Tuning and System Performance
• Initial and Continuing Calibrations
* • Laboratory Method Blank Results
* • Surrogate Spike Recoveries
* • Internal Standard Areas
• MS/MSD Sample Results
• Laboratory Control Sample (LCS) Results
* • ICP Interference Check Sample Results
* • ICP Serial Dilution Results
* • Field Duplicate Precision

* • Laboratory Duplicate Results
* • Analyte Identification

The asterisk (*) indicates that all quality control criteria were met for this parameter. Qualified (if applicable) analytical results are summarized in Appendix A. Results as reported by the laboratory are presented in Appendix B. Appendix C contains the documentation to support the findings as discussed in this data validation report. Limited validation was performed on the data in this SDG and includes data completeness, holding times, quality control recoveries and limits from laboratory forms, and a review for false positives and false negatives. The text of this report has been formulated to address only those areas affecting data quality.

INITIAL CALIBRATION

The non-detected results for acrylonitrile, tetrahydrofuran, and trans-1,4-dichloro-2-butene in all samples were qualified as unusable (R) due to the initial calibration average relative response factor (RRF) less than 0.05.

NOTES

The continuing calibration percent differences (%D) exceeded the QC limit of 30% for chloroethane, 2-butanone, 2-hexanone, m,p-xylene, n-propylbenzene, 2-chlorotoluene, trans-1,4-dichloro-2-butene, and 4-methyl-2-pentanone. No qualifications were made because there were no detected results for these analytes or the non-detected results were previously qualified as unusable due to exceedance of initial calibration criteria.

The VOC laboratory control sample (LCS) percent recoveries (%Rs) exceeded the upper QC limit of 130% for 4-methyl-2-pentanone, chloroethane, n-propylbenzene, and trans-1,4-dichloro-2-butene. No qualifications were made because there were no positive results for these analytes.

The results were reported to the Reporting Limit (RL) by the laboratory (rather than to the Method Detection Limit (MDL) and reported with “J” flag).

The EPH and metals results were acceptable as reported by the laboratory.

EXECUTIVE SUMMARY

Laboratory Performance: Three VOC initial calibration RRFs exceeded the QC criteria. Eight VOC continuing calibration %Ds exceeded the QC criterion. LCS/LCSD recoveries were outside QC limits for four VOCs.

Other Factors Affecting Data Quality: None.

The limited data validation performed for these analyses were completed with reference to the criteria for SW-846 Methods 8260B, 6010B, and 7470A and MADEP-EPH-LL listed in the project specific QAPP addendum and the "USEPA Region 1 Laboratory Data Validation Functional Guidelines – Part II" (12/96).

Megan Ritchie
_____
Tetra Tech
Megan Ritchie
Chemist/Data Validator

Russell Sloboda
_____
Tetra Tech
Russell Sloboda
Data Validation Quality Assurance Officer

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C – Support Documentation

APPENDIX A

QUALIFIED LABORATORY RESULTS

PROJ_NO: 03599	NSAMPLE	BC-SO-SB200A-0406			BC-SO-SB304-0406			BC-SO-SB305-0203			BC-SO-SB305-1012		
SDG: 360-37847	LAB_ID	360-37847-8			360-37847-1			360-37847-5			360-37847-3		
FRACTION: OV	SAMP_DATE	11/29/2011			11/29/2011			11/29/2011			11/29/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	86.7			82.9			91.0			89.7		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		2.6	U		2	U		3.2	U		2.2	U	
1,1,1-TRICHLOROETHANE		2.6	U		2	U		3.2	U		2.2	U	
1,1,2,2-TETRACHLOROETHANE		2.6	U		2	U		3.2	U		2.2	U	
1,1,2-TRICHLOROETHANE		2.6	U		2	U		3.2	U		2.2	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		13	U		10	U		16	U		11	U	
1,1-DICHLOROETHANE		2.6	U		2	U		3.2	U		2.2	U	
1,1-DICHLOROETHENE		2.6	U		2	U		3.2	U		2.2	U	
1,1-DICHLOROPROPENE		2.6	U		2	U		3.2	U		2.2	U	
1,2,3-TRICHLOROBENZENE		2.6	U		2	U		3.2	U		2.2	U	
1,2,3-TRICHLOROPROPANE		2.6	U		2	U		3.2	U		2.2	U	
1,2,4-TRICHLOROBENZENE		2.6	U		2	U		3.2	U		2.2	U	
1,2,4-TRIMETHYLBENZENE		2.6	U		2	U		3.2	U		2.2	U	
1,2-DIBROMO-3-CHLOROPROPANE		26	U		20	U		32	U		22	U	
1,2-DIBROMOETHANE		2.6	U		2	U		3.2	U		2.2	U	
1,2-DICHLOROBENZENE		2.6	U		2	U		3.2	U		2.2	U	
1,2-DICHLOROETHANE		2.6	U		2	U		3.2	U		2.2	U	
1,2-DICHLOROPROPANE		2.6	U		2	U		3.2	U		2.2	U	
1,3,5-TRIMETHYLBENZENE		2.6	U		2	U		3.2	U		2.2	U	
1,3-DICHLOROBENZENE		2.6	U		2	U		3.2	U		2.2	U	
1,3-DICHLOROPROPANE		2.6	U		2	U		3.2	U		2.2	U	
1,4-DICHLOROBENZENE		2.6	U		2	U		3.2	U		2.2	U	
2,2-DICHLOROPROPANE		2.6	U		2	U		3.2	U		2.2	U	
2-BUTANONE		26	U		20	U		32	U		22	U	
2-CHLOROTOLUENE		2.6	U		2	U		3.2	U		2.2	U	
2-HEXANONE		26	U		20	U		32	U		22	U	
4-CHLOROTOLUENE		2.6	U		2	U		3.2	U		2.2	U	
4-ISOPROPYLTOLUENE		2.6	U		2	U		3.2	U		2.2	U	
4-METHYL-2-PENTANONE		26	U		20	U		32	U		22	U	
ACETONE		26	U		20	U		32	U		22	U	
ACRYLONITRILE		26	UR	C	20	UR	C	32	UR	C	22	UR	C
BENZENE		2.6	U		2	U		3.2	U		2.2	U	
BROMOBENZENE		2.6	U		2	U		3.2	U		2.2	U	
BROMODICHLOROMETHANE		2.6	U		2	U		3.2	U		2.2	U	
BROMOFORM		2.6	U		2	U		3.2	U		2.2	U	
BROMOMETHANE		5.2	U		4.1	U		6.5	U		4.4	U	
CARBON DISULFIDE		2.6	U		2	U		3.2	U		2.2	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB306-1012			BC-SO-SB307-0810			BC-SO-SB308-1012			BC-TB-112911		
SDG: 360-37847	LAB_ID	360-37847-4			360-37847-6			360-37847-2			360-37847-7		
FRACTION: OV	SAMP_DATE	11/29/2011			11/29/2011			11/29/2011			11/29/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	93.6			91.8			89.6					
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		2.4	U		2	U		2.5	U		2.5	U	
1,1,1-TRICHLOROETHANE		2.4	U		4.8			2.5	U		2.5	U	
1,1,2,2-TETRACHLOROETHANE		2.4	U		2	U		2.5	U		2.5	U	
1,1,2-TRICHLOROETHANE		2.4	U		2	U		2.5	U		2.5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		12	U		10	U		12	U		13	U	
1,1-DICHLOROETHANE		2.4	U		2	U		2.5	U		2.5	U	
1,1-DICHLOROETHENE		2.4	U		2	U		2.5	U		2.5	U	
1,1-DICHLOROPROPENE		2.4	U		2	U		2.5	U		2.5	U	
1,2,3-TRICHLOROBENZENE		2.4	U		2	U		2.5	U		2.5	U	
1,2,3-TRICHLOROPROPANE		2.4	U		2	U		2.5	U		2.5	U	
1,2,4-TRICHLOROBENZENE		2.4	U		2	U		2.5	U		2.5	U	
1,2,4-TRIMETHYLBENZENE		2.4	U		2	U		2.5	U		2.5	U	
1,2-DIBROMO-3-CHLOROPROPANE		24	U		20	U		25	U		25	U	
1,2-DIBROMOETHANE		2.4	U		2	U		2.5	U		2.5	U	
1,2-DICHLOROBENZENE		2.4	U		2	U		2.5	U		2.5	U	
1,2-DICHLOROETHANE		2.4	U		2	U		2.5	U		2.5	U	
1,2-DICHLOROPROPANE		2.4	U		2	U		2.5	U		2.5	U	
1,3,5-TRIMETHYLBENZENE		2.4	U		2	U		2.5	U		2.5	U	
1,3-DICHLOROBENZENE		2.4	U		2	U		2.5	U		2.5	U	
1,3-DICHLOROPROPANE		2.4	U		2	U		2.5	U		2.5	U	
1,4-DICHLOROBENZENE		2.4	U		2	U		2.5	U		2.5	U	
2,2-DICHLOROPROPANE		2.4	U		2	U		2.5	U		2.5	U	
2-BUTANONE		24	U		20	U		25	U		25	U	
2-CHLOROTOLUENE		2.4	U		2	U		2.5	U		2.5	U	
2-HEXANONE		24	U		20	U		25	U		25	U	
4-CHLOROTOLUENE		2.4	U		2	U		2.5	U		2.5	U	
4-ISOPROPYLTOLUENE		2.4	U		2	U		2.5	U		2.5	U	
4-METHYL-2-PENTANONE		24	U		20	U		25	U		25	U	
ACETONE		24	U		20	U		25	U		250	U	
ACRYLONITRILE		24	UR	C	20	UR	C	25	UR	C	25	UR	C
BENZENE		2.4	U		2	U		2.5	U		2.5	U	
BROMOBENZENE		2.4	U		2	U		2.5	U		2.5	U	
BROMODICHLOROMETHANE		2.4	U		2	U		2.5	U		2.5	U	
BROMOFORM		2.4	U		2	U		2.5	U		2.5	U	
BROMOMETHANE		4.7	U		4.1	U		4.9	U		5	U	
CARBON DISULFIDE		2.4	U		2	U		2.5	U		2.5	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB200A-0406			BC-SO-SB304-0406			BC-SO-SB305-0203			BC-SO-SB305-1012		
SDG: 360-37847	LAB_ID	360-37847-8			360-37847-1			360-37847-5			360-37847-3		
FRACTION: OV	SAMP_DATE	11/29/2011			11/29/2011			11/29/2011			11/29/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	86.7			82.9			91.0			89.7		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON TETRACHLORIDE		2.6	U		2	U		3.2	U		2.2	U	
CHLOROBENZENE		2.6	U		2	U		3.2	U		2.2	U	
CHLORODIBROMOMETHANE		2.6	U		2	U		3.2	U		2.2	U	
CHLOROETHANE		5.2	U		4.1	U		6.5	U		4.4	U	
CHLOROFORM		2.6	U		2	U		3.2	U		2.2	U	
CHLOROMETHANE		5.2	U		4.1	U		6.5	U		4.4	U	
CIS-1,2-DICHLOROETHENE		2.6	U		2	U		3.2	U		2.2	U	
CIS-1,3-DICHLOROPROPENE		2.6	U		2	U		3.2	U		2.2	U	
DIBROMOMETHANE		2.6	U		2	U		3.2	U		2.2	U	
DICHLORODIFLUOROMETHANE		5.2	U		4.1	U		6.5	U		4.4	U	
ETHYLBENZENE		2.6	U		2	U		3.2	U		2.2	U	
HEXACHLOROBUTADIENE		2.6	U		2	U		3.2	U		2.2	U	
ISOPROPYLBENZENE		2.6	U		2	U		3.2	U		2.2	U	
M+P-XYLENES		5.2	U		4.1	U		6.5	U		4.4	U	
METHYL TERT-BUTYL ETHER		2.6	U		2	U		3.2	U		2.2	U	
METHYLENE CHLORIDE		10	U		8.1	U		13	U		8.8	U	
NAPHTHALENE		26	U		20	U		32	U		22	U	
N-BUTYLBENZENE		2.6	U		2			3.2	U		2.2	U	
N-PROPYLBENZENE		2.6	U		2	U		3.2	U		2.2	U	
O-XYLENE		2.6	U		2	U		3.2	U		2.2	U	
SEC-BUTYLBENZENE		2.6	U		2			3.2	U		2.2	U	
STYRENE		2.6	U		2	U		3.2	U		2.2	U	
TERT-BUTYLBENZENE		2.6	U		2	U		3.2	U		2.2	U	
TETRACHLOROETHENE		2.6	U		2	U		3.2	U		2.2	U	
TETRAHYDROFURAN		52	UR	C	41	UR	C	65	UR	C	44	UR	C
TOLUENE		2.6	U		2	U		3.2	U		2.2	U	
TOTAL XYLENES		5.2	U		4.1	U		6.5	U		4.4	U	
TRANS-1,2-DICHLOROETHENE		2.6	U		2	U		3.2	U		2.2	U	
TRANS-1,3-DICHLOROPROPENE		2.6	U		2	U		3.2	U		2.2	U	
TRANS-1,4-DICHLORO-2-BUTENE		5.2	UR	C	4.1	UR	C	6.5	UR	C	4.4	UR	C
TRICHLOROETHENE		2.6	U		2	U		3.2	U		2.2	U	
TRICHLOROFLUOROMETHANE		5.2	U		4.1	U		6.5	U		4.4	U	
VINYL CHLORIDE		2.6	U		2	U		3.2	U		2.2	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB306-1012			BC-SO-SB307-0810			BC-SO-SB308-1012			BC-TB-112911		
SDG: 360-37847	LAB_ID	360-37847-4			360-37847-6			360-37847-2			360-37847-7		
FRACTION: OV	SAMP_DATE	11/29/2011			11/29/2011			11/29/2011			11/29/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	93.6			91.8			89.6					
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON TETRACHLORIDE		2.4	U		2	U		2.5	U		2.5	U	
CHLOROBENZENE		2.4	U		2	U		2.5	U		2.5	U	
CHLORODIBROMOMETHANE		2.4	U		2	U		2.5	U		2.5	U	
CHLOROETHANE		4.7	U		4.1	U		4.9	U		5	U	
CHLOROFORM		2.4	U		2	U		2.5	U		2.5	U	
CHLOROMETHANE		4.7	U		4.1	U		4.9	U		5	U	
CIS-1,2-DICHLOROETHENE		2.4	U		2	U		2.5	U		2.5	U	
CIS-1,3-DICHLOROPROPENE		2.4	U		2	U		2.5	U		2.5	U	
DIBROMOMETHANE		2.4	U		2	U		2.5	U		2.5	U	
DICHLORODIFLUOROMETHANE		4.7	U		4.1	U		4.9	U		5	U	
ETHYLBENZENE		2.4	U		2	U		2.5	U		2.5	U	
HEXACHLOROBUTADIENE		2.4	U		2	U		2.5	U		2.5	U	
ISOPROPYLBENZENE		2.4	U		2	U		2.5	U		2.5	U	
M+P-XYLENES		4.7	U		4.1	U		4.9	U		5	U	
METHYL TERT-BUTYL ETHER		2.4	U		2	U		2.5	U		2.5	U	
METHYLENE CHLORIDE		9.5	U		8.2	U		9.9	U		10	U	
NAPHTHALENE		24	U		20	U		25	U		25	U	
N-BUTYLBENZENE		2.4	U		2	U		2.5	U		2.5	U	
N-PROPYLBENZENE		2.4	U		2	U		2.5	U		2.5	U	
O-XYLENE		2.4	U		2	U		2.5	U		2.5	U	
SEC-BUTYLBENZENE		2.4	U		2	U		2.5	U		2.5	U	
STYRENE		2.4	U		2	U		2.5	U		2.5	U	
TERT-BUTYLBENZENE		2.4	U		2	U		2.5	U		2.5	U	
TETRACHLOROETHENE		2.4	U		2	U		2.5	U		2.5	U	
TETRAHYDROFURAN		47	UR	C	41	UR	C	49	UR	C	50	UR	C
TOLUENE		2.4	U		2	U		2.5	U		2.5	U	
TOTAL XYLENES		4.7	U		4.1	U		4.9	U		5	U	
TRANS-1,2-DICHLOROETHENE		2.4	U		2	U		2.5	U		2.5	U	
TRANS-1,3-DICHLOROPROPENE		2.4	U		2	U		2.5	U		2.5	U	
TRANS-1,4-DICHLORO-2-BUTENE		4.7	UR	C	4.1	UR	C	4.9	UR	C	5	UR	C
TRICHLOROETHENE		12			10			4.9			2.5	U	
TRICHLOROFLUOROMETHANE		4.7	U		4.1	U		4.9	U		5	U	
VINYL CHLORIDE		2.4	U		2	U		2.5	U		2.5	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB200A-0406			BC-SO-SB304-0406			BC-SO-SB305-0203			BC-SO-SB305-1012		
SDG: 360-37847	LAB_ID	360-37847-8			360-37847-1			360-37847-5			360-37847-3		
FRACTION: PETS	SAMP_DATE	11/29/2011			11/29/2011			11/29/2011			11/29/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	86.7			82.9			91.0			89.7		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
2-METHYLNAPHTHALENE		0.36	U		0.39	U		0.38	U		0.38	U	
ACENAPHTHENE		0.36	U		0.39	U		0.38	U		0.38	U	
ACENAPHTHYLENE		0.36	U		0.39	U		0.38	U		0.38	U	
ANTHRACENE		0.36	U		0.39	U		0.38	U		0.38	U	
BENZO(A)ANTHRACENE		0.36	U		0.39	U		0.38	U		0.38	U	
BENZO(A)PYRENE		0.36	U		0.39	U		0.38	U		0.38	U	
BENZO(B)FLUORANTHENE		0.36	U		0.39	U		0.38	U		0.38	U	
BENZO(G,H,I)PERYLENE		0.36	U		0.39	U		0.38	U		0.38	U	
BENZO(K)FLUORANTHENE		0.36	U		0.39	U		0.38	U		0.38	U	
C11-C22 AROMATICS		3.6	U		3.9	U		5.8			3.8	U	
C11-C22 AROMATICS-UNADJ		3.6	U		3.9	U		5.8			3.8	U	
C19-C36 ALIPHATICS		3.6	U		3.9	U		13			3.8	U	
C9-C18 ALIPHATICS		3.6	U		3.9	U		3.8	U		3.8	U	
CHRYSENE		0.36	U		0.39	U		0.38	U		0.38	U	
DIBENZO(A,H)ANTHRACENE		0.36	U		0.39	U		0.38	U		0.38	U	
FLUORANTHENE		0.36	U		0.39	U		0.38	U		0.38	U	
FLUORENE		0.36	U		0.39	U		0.38	U		0.38	U	
INDENO(1,2,3-CD)PYRENE		0.36	U		0.39	U		0.38	U		0.38	U	
NAPHTHALENE		0.36	U		0.39	U		0.38	U		0.38	U	
PHENANTHRENE		0.36	U		0.39	U		0.38	U		0.38	U	
PYRENE		0.36	U		0.39	U		0.38	U		0.38	U	
TOTAL EPH		3.6	U		3.9	U		19			3.8	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB306-1012			BC-SO-SB307-0810			BC-SO-SB308-1012		
SDG: 360-37847	LAB_ID	360-37847-4			360-37847-6			360-37847-2		
FRACTION: PETS	SAMP_DATE	11/29/2011			11/29/2011			11/29/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	93.6			91.8			89.6		
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
2-METHYLNAPHTHALENE		0.37	U		0.39	U		0.39	U	
ACENAPHTHENE		0.37	U		0.39	U		0.39	U	
ACENAPHTHYLENE		0.37	U		0.39	U		0.39	U	
ANTHRACENE		0.37	U		0.39	U		0.39	U	
BENZO(A)ANTHRACENE		0.37	U		0.39	U		0.39	U	
BENZO(A)PYRENE		0.37	U		0.39	U		0.39	U	
BENZO(B)FLUORANTHENE		0.37	U		0.39	U		0.39	U	
BENZO(G,H,I)PERYLENE		0.37	U		0.39	U		0.39	U	
BENZO(K)FLUORANTHENE		0.37	U		0.39	U		0.39	U	
C11-C22 AROMATICS		3.7	U		3.9	U		3.9		
C11-C22 AROMATICS-UNADJ		3.7	U		3.9	U		3.9		
C19-C36 ALIPHATICS		3.7	U		3.9	U		3.9	U	
C9-C18 ALIPHATICS		3.7	U		3.9	U		3.9	U	
CHRYSENE		0.37	U		0.39	U		0.39	U	
DIBENZO(A,H)ANTHRACENE		0.37	U		0.39	U		0.39	U	
FLUORANTHENE		0.37	U		0.39	U		0.39	U	
FLUORENE		0.37	U		0.39	U		0.39	U	
INDENO(1,2,3-CD)PYRENE		0.37	U		0.39	U		0.39	U	
NAPHTHALENE		0.37	U		0.39	U		0.39	U	
PHENANTHRENE		0.37	U		0.39	U		0.39	U	
PYRENE		0.37	U		0.39	U		0.39	U	
TOTAL EPH		3.7	U		3.9	U		3.9		

PROJ_NO: 03599	NSAMPLE	BC-SO-SB200A-0406			BC-SO-SB304-0406			BC-SO-SB305-0203			BC-SO-SB305-1012		
SDG: 360-37847	LAB_ID	360-37847-8			360-37847-1			360-37847-5			360-37847-3		
FRACTION: M	SAMP_DATE	11/29/2011			11/29/2011			11/29/2011			11/29/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	86.7			82.9			91.0			89.7		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ARSENIC		1.1	U		1.6	U		66	U		1.4		
BARIUM		10			45			33	U		50		
CADMIUM		0.22	U		0.32	U		13	U		4.6		
CHROMIUM		6			44			9700			79		
LEAD		2.1			59			48			4.8		
MERCURY		0.094	U		0.086	U		0.091	U		0.084	U	
SELENIUM		0.56	U		0.79	U		33	U		0.72	U	
SILVER		1.1	U		1.6	U		66	U		1.4	U	

PROJ_NO: 03599	NSAMPLE	BC-SO-SB306-1012			BC-SO-SB307-0810			BC-SO-SB308-1012		
SDG: 360-37847	LAB_ID	360-37847-4			360-37847-6			360-37847-2		
FRACTION: M	SAMP_DATE	11/29/2011			11/29/2011			11/29/2011		
MEDIA: SOIL	QC_TYPE	NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	93.6			91.8			89.6		
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ARSENIC		1.3	U		1.7			1.5		
BARIUM		75			140			110		
CADMIUM		0.26	U		0.3	U		0.28	U	
CHROMIUM		19			36			21		
LEAD		6.4			5			4.7		
MERCURY		0.099	U		0.089	U		0.098	U	
SELENIUM		0.66	U		0.76	U		0.69	U	
SILVER		1.3	U		1.5	U		1.4	U	

Qualifier Codes:

a = Lab Blank Contamination
b = Field Blank Contamination
c = Calibration (i.e., %RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
d = MS/MSD Noncompliance
e = LSC/LSCD Noncompliance
f = Laboratory Duplicate Imprecision
g = Field Duplicate Imprecision
h = Holding Time Exceedance
i = ICP Serial Dilution Noncompli
j = GFAA PDS – GFAA MSA's r< fficient)
k = ICP Interference – include IC
l = Instrument Calibration Range
m = Sample Preservation
n = Internal Standard Noncompliance
o = Poor Instrument Performance (i.e. baseline drifting)
p = Uncertainty Near Detection Limit (<2 x IDL for inorganics and < CRQL for organics)
q = Other Problems (can encompass of number of issues)
r = Surrogates Recovery Noncompliance
s = Pesticide/PCB Resolution
t = % Breakdown Noncompliance for DDT and Endrin
u = Pesticide/PCB % Difference Between Columns for Positive Results
v = Non-linear Calibrations, Tuning r <0.995 (correlation coefficient)

Data Qualifier Key:

J - Value is considered estimated due to exceedance of technical quality control or because result is less than the Contract Required Quantitation Limit (CRQL).

U - Value is a non-detected result as reported by the laboratory.

UJ - Non-detected result is considered estimated due to exceedance of technical quality control criteria.

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB304-0406**

Lab Sample ID: 360-37847-1
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 11/29/2011 1320
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55296.D
Dilution:	1.0			Initial Weight/Volume:	7.43 g
Analysis Date:	12/12/2011 1837			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.0
1,1,1-Trichloroethane		ND		2.0
1,1,2,2-Tetrachloroethane		ND		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		10
1,1,2-Trichloroethane		ND		2.0
1,1-Dichloroethane		ND		2.0
1,1-Dichloroethene		ND		2.0
1,1-Dichloropropene		ND		2.0
1,2,3-Trichlorobenzene		ND		2.0
1,2,3-Trichloropropane		ND		2.0
1,2,4-Trichlorobenzene		ND		2.0
1,2,4-Trimethylbenzene		ND		2.0
1,2-Dibromo-3-Chloropropane		ND		20
1,2-Dichlorobenzene		ND		2.0
1,2-Dichloroethane		ND		2.0
1,2-Dichloropropane		ND		2.0
1,3,5-Trimethylbenzene		ND		2.0
1,3-Dichlorobenzene		ND		2.0
1,3-Dichloropropane		ND		2.0
1,4-Dichlorobenzene		ND		2.0
2,2-Dichloropropane		ND		2.0
2-Butanone (MEK)		ND		20
2-Chlorotoluene		ND		2.0
2-Hexanone		ND	*	20
4-Chlorotoluene		ND		2.0
4-Isopropyltoluene		ND		2.0
4-Methyl-2-pentanone (MIBK)		ND	*	20
Acetone		ND		200
Acrylonitrile		ND		20
Benzene		ND		2.0
Bromobenzene		ND		2.0
Bromoform		ND		2.0
Bromomethane		ND		4.1
Carbon disulfide		ND	*	2.0
Carbon tetrachloride		ND		2.0
Chlorobenzene		ND		2.0
Chlorodibromomethane		ND		2.0
Chloroethane		ND		4.1
Chloroform		ND		2.0
Chloromethane		ND		4.1
cis-1,2-Dichloroethene		ND		2.0
cis-1,3-Dichloropropene		ND		2.0
Dibromomethane		ND		2.0
Dichlorobromomethane		ND		2.0
Dichlorodifluoromethane		ND		4.1
Ethylbenzene		ND		2.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB304-0406**

Lab Sample ID: 360-37847-1
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 11/29/2011 1320
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55296.D
Dilution:	1.0			Initial Weight/Volume:	7.43 g
Analysis Date:	12/12/2011 1837			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.0
Hexachlorobutadiene		ND		2.0
Isopropylbenzene		ND		2.0
m-Xylene & p-Xylene		ND		4.1
Methyl tert-butyl ether		ND		2.0
Methylene Chloride		ND		8.1
n-Butylbenzene		ND		2.0
N-Propylbenzene		ND		2.0
Naphthalene		ND		20
o-Xylene		ND		2.0
sec-Butylbenzene		ND		2.0
Styrene		ND		2.0
tert-Butylbenzene		ND		2.0
Tetrachloroethene		ND		2.0
Tetrahydrofuran		ND		41
Toluene		ND		2.0
trans-1,2-Dichloroethene		ND		2.0
trans-1,3-Dichloropropene		ND		2.0
trans-1,4-Dichloro-2-butene		ND	*	4.1
Trichloroethene		ND		2.0
Trichlorofluoromethane		ND		4.1
Vinyl chloride		ND		2.0
Xylenes, Total		ND		4.1

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB308-1012**

Lab Sample ID: 360-37847-2
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 11/29/2011 1120
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55297.D
Dilution:	1.0			Initial Weight/Volume:	5.96 g
Analysis Date:	12/12/2011 1902			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.5
1,1,1-Trichloroethane		ND		2.5
1,1,2,2-Tetrachloroethane		ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		12
1,1,2-Trichloroethane		ND		2.5
1,1-Dichloroethane		ND		2.5
1,1-Dichloroethene		ND		2.5
1,1-Dichloropropene		ND		2.5
1,2,3-Trichlorobenzene		ND		2.5
1,2,3-Trichloropropane		ND		2.5
1,2,4-Trichlorobenzene		ND		2.5
1,2,4-Trimethylbenzene		ND		2.5
1,2-Dibromo-3-Chloropropane		ND		25
1,2-Dichlorobenzene		ND		2.5
1,2-Dichloroethane		ND		2.5
1,2-Dichloropropane		ND		2.5
1,3,5-Trimethylbenzene		ND		2.5
1,3-Dichlorobenzene		ND		2.5
1,3-Dichloropropane		ND		2.5
1,4-Dichlorobenzene		ND		2.5
2,2-Dichloropropane		ND		2.5
2-Butanone (MEK)		ND		25
2-Chlorotoluene		ND		2.5
2-Hexanone		ND	*	25
4-Chlorotoluene		ND		2.5
4-Isopropyltoluene		ND		2.5
4-Methyl-2-pentanone (MIBK)		ND	*	25
Acetone		ND		250
Acrylonitrile		ND		25
Benzene		ND		2.5
Bromobenzene		ND		2.5
Bromoform		ND		2.5
Bromomethane		ND		4.9
Carbon disulfide		ND	*	2.5
Carbon tetrachloride		ND		2.5
Chlorobenzene		ND		2.5
Chlorodibromomethane		ND		2.5
Chloroethane		ND		4.9
Chloroform		ND		2.5
Chloromethane		ND		4.9
cis-1,2-Dichloroethene		ND		2.5
cis-1,3-Dichloropropene		ND		2.5
Dibromomethane		ND		2.5
Dichlorobromomethane		ND		2.5
Dichlorodifluoromethane		ND		4.9
Ethylbenzene		ND		2.5

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB308-1012**

Lab Sample ID: 360-37847-2
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 11/29/2011 1120
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55297.D
Dilution:	1.0			Initial Weight/Volume:	5.96 g
Analysis Date:	12/12/2011 1902			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.5
Hexachlorobutadiene		ND		2.5
Isopropylbenzene		ND		2.5
m-Xylene & p-Xylene		ND		4.9
Methyl tert-butyl ether		ND		2.5
Methylene Chloride		ND		9.9
n-Butylbenzene		ND		2.5
N-Propylbenzene		ND		2.5
Naphthalene		ND		25
o-Xylene		ND		2.5
sec-Butylbenzene		ND		2.5
Styrene		ND		2.5
tert-Butylbenzene		ND		2.5
Tetrachloroethene		ND		2.5
Tetrahydrofuran		ND		49
Toluene		ND		2.5
trans-1,2-Dichloroethene		ND		2.5
trans-1,3-Dichloropropene		ND		2.5
trans-1,4-Dichloro-2-butene		ND	*	4.9
Trichloroethene		4.9		2.5
Trichlorofluoromethane		ND		4.9
Vinyl chloride		ND		2.5
Xylenes, Total		ND		4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-1012**

Lab Sample ID: 360-37847-3
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 11/29/2011 0900
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55298.D
Dilution:	1.0			Initial Weight/Volume:	6.67 g
Analysis Date:	12/12/2011 1928			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.2
1,1,1-Trichloroethane		ND		2.2
1,1,2,2-Tetrachloroethane		ND		2.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		11
1,1,2-Trichloroethane		ND		2.2
1,1-Dichloroethane		ND		2.2
1,1-Dichloroethene		ND		2.2
1,1-Dichloropropene		ND		2.2
1,2,3-Trichlorobenzene		ND		2.2
1,2,3-Trichloropropane		ND		2.2
1,2,4-Trichlorobenzene		ND		2.2
1,2,4-Trimethylbenzene		ND		2.2
1,2-Dibromo-3-Chloropropane		ND		22
1,2-Dichlorobenzene		ND		2.2
1,2-Dichloroethane		ND		2.2
1,2-Dichloropropane		ND		2.2
1,3,5-Trimethylbenzene		ND		2.2
1,3-Dichlorobenzene		ND		2.2
1,3-Dichloropropane		ND		2.2
1,4-Dichlorobenzene		ND		2.2
2,2-Dichloropropane		ND		2.2
2-Butanone (MEK)		ND		22
2-Chlorotoluene		ND		2.2
2-Hexanone		ND	*	22
4-Chlorotoluene		ND		2.2
4-Isopropyltoluene		ND		2.2
4-Methyl-2-pentanone (MIBK)		ND	*	22
Acetone		ND		220
Acrylonitrile		ND		22
Benzene		ND		2.2
Bromobenzene		ND		2.2
Bromoform		ND		2.2
Bromomethane		ND		4.4
Carbon disulfide		ND	*	2.2
Carbon tetrachloride		ND		2.2
Chlorobenzene		ND		2.2
Chlorodibromomethane		ND		2.2
Chloroethane		ND		4.4
Chloroform		ND		2.2
Chloromethane		ND		4.4
cis-1,2-Dichloroethene		ND		2.2
cis-1,3-Dichloropropene		ND		2.2
Dibromomethane		ND		2.2
Dichlorobromomethane		ND		2.2
Dichlorodifluoromethane		ND		4.4
Ethylbenzene		ND		2.2

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-1012**

Lab Sample ID: 360-37847-3
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 11/29/2011 0900
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55298.D
Dilution:	1.0			Initial Weight/Volume:	6.67 g
Analysis Date:	12/12/2011 1928			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.2
Hexachlorobutadiene		ND		2.2
Isopropylbenzene		ND		2.2
m-Xylene & p-Xylene		ND		4.4
Methyl tert-butyl ether		ND		2.2
Methylene Chloride		ND		8.8
n-Butylbenzene		ND		2.2
N-Propylbenzene		ND		2.2
Naphthalene		ND		22
o-Xylene		ND		2.2
sec-Butylbenzene		ND		2.2
Styrene		ND		2.2
tert-Butylbenzene		ND		2.2
Tetrachloroethene		ND		2.2
Tetrahydrofuran		ND		44
Toluene		ND		2.2
trans-1,2-Dichloroethene		ND		2.2
trans-1,3-Dichloropropene		ND		2.2
trans-1,4-Dichloro-2-butene		ND	*	4.4
Trichloroethene		ND		2.2
Trichlorofluoromethane		ND		4.4
Vinyl chloride		ND		2.2
Xylenes, Total		ND		4.4

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

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB306-1012**

Lab Sample ID: 360-37847-4
Client Matrix: Solid
% Moisture: 12.0

Date Sampled: 11/29/2011 0955
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55299.D
Dilution:	1.0			Initial Weight/Volume:	5.99 g
Analysis Date:	12/12/2011 1953			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.4
1,1,1-Trichloroethane		ND		2.4
1,1,2,2-Tetrachloroethane		ND		2.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		12
1,1,2-Trichloroethane		ND		2.4
1,1-Dichloroethane		ND		2.4
1,1-Dichloroethene		ND		2.4
1,1-Dichloropropene		ND		2.4
1,2,3-Trichlorobenzene		ND		2.4
1,2,3-Trichloropropane		ND		2.4
1,2,4-Trichlorobenzene		ND		2.4
1,2,4-Trimethylbenzene		ND		2.4
1,2-Dibromo-3-Chloropropane		ND		24
1,2-Dichlorobenzene		ND		2.4
1,2-Dichloroethane		ND		2.4
1,2-Dichloropropane		ND		2.4
1,3,5-Trimethylbenzene		ND		2.4
1,3-Dichlorobenzene		ND		2.4
1,3-Dichloropropane		ND		2.4
1,4-Dichlorobenzene		ND		2.4
2,2-Dichloropropane		ND		2.4
2-Butanone (MEK)		ND		24
2-Chlorotoluene		ND		2.4
2-Hexanone		ND	*	24
4-Chlorotoluene		ND		2.4
4-Isopropyltoluene		ND		2.4
4-Methyl-2-pentanone (MIBK)		ND	*	24
Acetone		ND		240
Acrylonitrile		ND		24
Benzene		ND		2.4
Bromobenzene		ND		2.4
Bromoform		ND		2.4
Bromomethane		ND		4.7
Carbon disulfide		ND	*	2.4
Carbon tetrachloride		ND		2.4
Chlorobenzene		ND		2.4
Chlorodibromomethane		ND		2.4
Chloroethane		ND		4.7
Chloroform		ND		2.4
Chloromethane		ND		4.7
cis-1,2-Dichloroethene		ND		2.4
cis-1,3-Dichloropropene		ND		2.4
Dibromomethane		ND		2.4
Dichlorobromomethane		ND		2.4
Dichlorodifluoromethane		ND		4.7
Ethylbenzene		ND		2.4

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB306-1012**

Lab Sample ID: 360-37847-4
Client Matrix: Solid
% Moisture: 12.0

Date Sampled: 11/29/2011 0955
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55299.D
Dilution:	1.0			Initial Weight/Volume:	5.99 g
Analysis Date:	12/12/2011 1953			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.4
Hexachlorobutadiene		ND		2.4
Isopropylbenzene		ND		2.4
m-Xylene & p-Xylene		ND		4.7
Methyl tert-butyl ether		ND		2.4
Methylene Chloride		ND		9.5
n-Butylbenzene		ND		2.4
N-Propylbenzene		ND		2.4
Naphthalene		ND		24
o-Xylene		ND		2.4
sec-Butylbenzene		ND		2.4
Styrene		ND		2.4
tert-Butylbenzene		ND		2.4
Tetrachloroethene		ND		2.4
Tetrahydrofuran		ND		47
Toluene		ND		2.4
trans-1,2-Dichloroethene		ND		2.4
trans-1,3-Dichloropropene		ND		2.4
trans-1,4-Dichloro-2-butene		ND	*	4.7
Trichloroethene		12		2.4
Trichlorofluoromethane		ND		4.7
Vinyl chloride		ND		2.4
Xylenes, Total		ND		4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-0203**

Lab Sample ID: 360-37847-5
Client Matrix: Solid
% Moisture: 15.5

Date Sampled: 11/29/2011 0845
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55300.D
Dilution:	1.0			Initial Weight/Volume:	4.56 g
Analysis Date:	12/12/2011 2019			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		3.2
1,1,1-Trichloroethane		ND		3.2
1,1,2,2-Tetrachloroethane		ND		3.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		16
1,1,2-Trichloroethane		ND		3.2
1,1-Dichloroethane		ND		3.2
1,1-Dichloroethene		ND		3.2
1,1-Dichloropropene		ND		3.2
1,2,3-Trichlorobenzene		ND		3.2
1,2,3-Trichloropropane		ND		3.2
1,2,4-Trichlorobenzene		ND		3.2
1,2,4-Trimethylbenzene		ND		3.2
1,2-Dibromo-3-Chloropropane		ND		32
1,2-Dichlorobenzene		ND		3.2
1,2-Dichloroethane		ND		3.2
1,2-Dichloropropane		ND		3.2
1,3,5-Trimethylbenzene		ND		3.2
1,3-Dichlorobenzene		ND		3.2
1,3-Dichloropropane		ND		3.2
1,4-Dichlorobenzene		ND		3.2
2,2-Dichloropropane		ND		3.2
2-Butanone (MEK)		ND		32
2-Chlorotoluene		ND		3.2
2-Hexanone		ND	*	32
4-Chlorotoluene		ND		3.2
4-Isopropyltoluene		ND		3.2
4-Methyl-2-pentanone (MIBK)		ND	*	32
Acetone		ND		320
Acrylonitrile		ND		32
Benzene		ND		3.2
Bromobenzene		ND		3.2
Bromoform		ND		3.2
Bromomethane		ND		6.5
Carbon disulfide		ND	*	3.2
Carbon tetrachloride		ND		3.2
Chlorobenzene		ND		3.2
Chlorodibromomethane		ND		3.2
Chloroethane		ND		6.5
Chloroform		ND		3.2
Chloromethane		ND		6.5
cis-1,2-Dichloroethene		ND		3.2
cis-1,3-Dichloropropene		ND		3.2
Dibromomethane		ND		3.2
Dichlorobromomethane		ND		3.2
Dichlorodifluoromethane		ND		6.5
Ethylbenzene		ND		3.2

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-0203**

Lab Sample ID: 360-37847-5
Client Matrix: Solid
% Moisture: 15.5

Date Sampled: 11/29/2011 0845
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55300.D
Dilution:	1.0			Initial Weight/Volume:	4.56 g
Analysis Date:	12/12/2011 2019			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		3.2
Hexachlorobutadiene		ND		3.2
Isopropylbenzene		ND		3.2
m-Xylene & p-Xylene		ND		6.5
Methyl tert-butyl ether		ND		3.2
Methylene Chloride		ND		13
n-Butylbenzene		ND		3.2
N-Propylbenzene		ND		3.2
Naphthalene		ND		32
o-Xylene		ND		3.2
sec-Butylbenzene		ND		3.2
Styrene		ND		3.2
tert-Butylbenzene		ND		3.2
Tetrachloroethene		ND		3.2
Tetrahydrofuran		ND		65
Toluene		ND		3.2
trans-1,2-Dichloroethene		ND		3.2
trans-1,3-Dichloropropene		ND		3.2
trans-1,4-Dichloro-2-butene		ND	*	6.5
Trichloroethene		ND		3.2
Trichlorofluoromethane		ND		6.5
Vinyl chloride		ND		3.2
Xylenes, Total		ND		6.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB307-0810**

Lab Sample ID: 360-37847-6
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 11/29/2011 1440
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55301.D
Dilution:	1.0			Initial Weight/Volume:	7.32 g
Analysis Date:	12/12/2011 2044			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.0
1,1,1-Trichloroethane		4.8		2.0
1,1,2,2-Tetrachloroethane		ND		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		10
1,1,2-Trichloroethane		ND		2.0
1,1-Dichloroethane		ND		2.0
1,1-Dichloroethene		ND		2.0
1,1-Dichloropropene		ND		2.0
1,2,3-Trichlorobenzene		ND		2.0
1,2,3-Trichloropropane		ND		2.0
1,2,4-Trichlorobenzene		ND		2.0
1,2,4-Trimethylbenzene		ND		2.0
1,2-Dibromo-3-Chloropropane		ND		20
1,2-Dichlorobenzene		ND		2.0
1,2-Dichloroethane		ND		2.0
1,2-Dichloropropane		ND		2.0
1,3,5-Trimethylbenzene		ND		2.0
1,3-Dichlorobenzene		ND		2.0
1,3-Dichloropropane		ND		2.0
1,4-Dichlorobenzene		ND		2.0
2,2-Dichloropropane		ND		2.0
2-Butanone (MEK)		ND		20
2-Chlorotoluene		ND		2.0
2-Hexanone		ND	*	20
4-Chlorotoluene		ND		2.0
4-Isopropyltoluene		ND		2.0
4-Methyl-2-pentanone (MIBK)		ND	*	20
Acetone		ND		200
Acrylonitrile		ND		20
Benzene		ND		2.0
Bromobenzene		ND		2.0
Bromoform		ND		2.0
Bromomethane		ND		4.1
Carbon disulfide		ND	*	2.0
Carbon tetrachloride		ND		2.0
Chlorobenzene		ND		2.0
Chlorodibromomethane		ND		2.0
Chloroethane		ND		4.1
Chloroform		ND		2.0
Chloromethane		ND		4.1
cis-1,2-Dichloroethene		ND		2.0
cis-1,3-Dichloropropene		ND		2.0
Dibromomethane		ND		2.0
Dichlorobromomethane		ND		2.0
Dichlorodifluoromethane		ND		4.1
Ethylbenzene		ND		2.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB307-0810**

Lab Sample ID: 360-37847-6
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 11/29/2011 1440
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55301.D
Dilution:	1.0			Initial Weight/Volume:	7.32 g
Analysis Date:	12/12/2011 2044			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.0
Hexachlorobutadiene		ND		2.0
Isopropylbenzene		ND		2.0
m-Xylene & p-Xylene		ND		4.1
Methyl tert-butyl ether		ND		2.0
Methylene Chloride		ND		8.2
n-Butylbenzene		ND		2.0
N-Propylbenzene		ND		2.0
Naphthalene		ND		20
o-Xylene		ND		2.0
sec-Butylbenzene		ND		2.0
Styrene		ND		2.0
tert-Butylbenzene		ND		2.0
Tetrachloroethene		ND		2.0
Tetrahydrofuran		ND		41
Toluene		ND		2.0
trans-1,2-Dichloroethene		ND		2.0
trans-1,3-Dichloropropene		ND		2.0
trans-1,4-Dichloro-2-butene		ND	*	4.1
Trichloroethene		10		2.0
Trichlorofluoromethane		ND		4.1
Vinyl chloride		ND		2.0
Xylenes, Total		ND		4.1

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-TB-112911**

Lab Sample ID: 360-37847-7
Client Matrix: Solid

Date Sampled: 11/29/2011 0900
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55302.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/12/2011 2109			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.5
1,1,1-Trichloroethane		ND		2.5
1,1,2,2-Tetrachloroethane		ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		13
1,1,2-Trichloroethane		ND		2.5
1,1-Dichloroethane		ND		2.5
1,1-Dichloroethene		ND		2.5
1,1-Dichloropropene		ND		2.5
1,2,3-Trichlorobenzene		ND		2.5
1,2,3-Trichloropropane		ND		2.5
1,2,4-Trichlorobenzene		ND		2.5
1,2,4-Trimethylbenzene		ND		2.5
1,2-Dibromo-3-Chloropropane		ND		25
1,2-Dichlorobenzene		ND		2.5
1,2-Dichloroethane		ND		2.5
1,2-Dichloropropane		ND		2.5
1,3,5-Trimethylbenzene		ND		2.5
1,3-Dichlorobenzene		ND		2.5
1,3-Dichloropropane		ND		2.5
1,4-Dichlorobenzene		ND		2.5
2,2-Dichloropropane		ND		2.5
2-Butanone (MEK)		ND		25
2-Chlorotoluene		ND		2.5
2-Hexanone		ND	*	25
4-Chlorotoluene		ND		2.5
4-Isopropyltoluene		ND		2.5
4-Methyl-2-pentanone (MIBK)		ND	*	25
Acetone		ND		250
Acrylonitrile		ND		25
Benzene		ND		2.5
Bromobenzene		ND		2.5
Bromoform		ND		2.5
Bromomethane		ND		5.0
Carbon disulfide		ND	*	2.5
Carbon tetrachloride		ND		2.5
Chlorobenzene		ND		2.5
Chlorodibromomethane		ND		2.5
Chloroethane		ND		5.0
Chloroform		ND		2.5
Chloromethane		ND		5.0
cis-1,2-Dichloroethene		ND		2.5
cis-1,3-Dichloropropene		ND		2.5
Dibromomethane		ND		2.5
Dichlorobromomethane		ND		2.5
Dichlorodifluoromethane		ND		5.0
Ethylbenzene		ND		2.5

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-TB-112911**

Lab Sample ID: 360-37847-7
Client Matrix: Solid

Date Sampled: 11/29/2011 0900
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55302.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/12/2011 2109			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.5
Hexachlorobutadiene		ND		2.5
Isopropylbenzene		ND		2.5
m-Xylene & p-Xylene		ND		5.0
Methyl tert-butyl ether		ND		2.5
Methylene Chloride		ND		10
n-Butylbenzene		ND		2.5
N-Propylbenzene		ND		2.5
Naphthalene		ND		25
o-Xylene		ND		2.5
sec-Butylbenzene		ND		2.5
Styrene		ND		2.5
tert-Butylbenzene		ND		2.5
Tetrachloroethene		ND		2.5
Tetrahydrofuran		ND		50
Toluene		ND		2.5
trans-1,2-Dichloroethene		ND		2.5
trans-1,3-Dichloropropene		ND		2.5
trans-1,4-Dichloro-2-butene		ND	*	5.0
Trichloroethene		ND		2.5
Trichlorofluoromethane		ND		5.0
Vinyl chloride		ND		2.5
Xylenes, Total		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB200A-0406**

Lab Sample ID: 360-37847-8
Client Matrix: Solid
% Moisture: 7.7

Date Sampled: 11/29/2011 1535
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55303.D
Dilution:	1.0			Initial Weight/Volume:	5.25 g
Analysis Date:	12/12/2011 2135			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.6
1,1,1-Trichloroethane		ND		2.6
1,1,2,2-Tetrachloroethane		ND		2.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		13
1,1,2-Trichloroethane		ND		2.6
1,1-Dichloroethane		ND		2.6
1,1-Dichloroethene		ND		2.6
1,1-Dichloropropene		ND		2.6
1,2,3-Trichlorobenzene		ND		2.6
1,2,3-Trichloropropane		ND		2.6
1,2,4-Trichlorobenzene		ND		2.6
1,2,4-Trimethylbenzene		ND		2.6
1,2-Dibromo-3-Chloropropane		ND		26
1,2-Dichlorobenzene		ND		2.6
1,2-Dichloroethane		ND		2.6
1,2-Dichloropropane		ND		2.6
1,3,5-Trimethylbenzene		ND		2.6
1,3-Dichlorobenzene		ND		2.6
1,3-Dichloropropane		ND		2.6
1,4-Dichlorobenzene		ND		2.6
2,2-Dichloropropane		ND		2.6
2-Butanone (MEK)		ND		26
2-Chlorotoluene		ND		2.6
2-Hexanone		ND	*	26
4-Chlorotoluene		ND		2.6
4-Isopropyltoluene		ND		2.6
4-Methyl-2-pentanone (MIBK)		ND	*	26
Acetone		ND		260
Acrylonitrile		ND		26
Benzene		ND		2.6
Bromobenzene		ND		2.6
Bromoform		ND		2.6
Bromomethane		ND		5.2
Carbon disulfide		ND	*	2.6
Carbon tetrachloride		ND		2.6
Chlorobenzene		ND		2.6
Chlorodibromomethane		ND		2.6
Chloroethane		ND		5.2
Chloroform		ND		2.6
Chloromethane		ND		5.2
cis-1,2-Dichloroethene		ND		2.6
cis-1,3-Dichloropropene		ND		2.6
Dibromomethane		ND		2.6
Dichlorobromomethane		ND		2.6
Dichlorodifluoromethane		ND		5.2
Ethylbenzene		ND		2.6

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB200A-0406**

Lab Sample ID: 360-37847-8
Client Matrix: Solid
% Moisture: 7.7

Date Sampled: 11/29/2011 1535
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55303.D
Dilution:	1.0			Initial Weight/Volume:	5.25 g
Analysis Date:	12/12/2011 2135			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.6
Hexachlorobutadiene		ND		2.6
Isopropylbenzene		ND		2.6
m-Xylene & p-Xylene		ND		5.2
Methyl tert-butyl ether		ND		2.6
Methylene Chloride		ND		10
n-Butylbenzene		ND		2.6
N-Propylbenzene		ND		2.6
Naphthalene		ND		26
o-Xylene		ND		2.6
sec-Butylbenzene		ND		2.6
Styrene		ND		2.6
tert-Butylbenzene		ND		2.6
Tetrachloroethene		ND		2.6
Tetrahydrofuran		ND		52
Toluene		ND		2.6
trans-1,2-Dichloroethene		ND		2.6
trans-1,3-Dichloropropene		ND		2.6
trans-1,4-Dichloro-2-butene		ND	*	5.2
Trichloroethene		ND		2.6
Trichlorofluoromethane		ND		5.2
Vinyl chloride		ND		2.6
Xylenes, Total		ND		5.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB304-0406**

Lab Sample ID: 360-37847-1
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 11/29/2011 1320
Date Received: 11/30/2011 1035

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84590	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.37 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/12/2011 1518			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.39
Acenaphthylene		ND		0.39
Anthracene		ND		0.39
Benzo[a]anthracene		ND		0.39
Benzo[a]pyrene		ND		0.39
Benzo[b]fluoranthene		ND		0.39
Benzo[g,h,i]perylene		ND		0.39
Benzo[k]fluoranthene		ND		0.39
Chrysene		ND		0.39
Dibenz(a,h)anthracene		ND		0.39
Fluoranthene		ND		0.39
Fluorene		ND		0.39
Indeno[1,2,3-cd]pyrene		ND		0.39
2-Methylnaphthalene		ND		0.39
Naphthalene		ND		0.39
Phenanthrene		ND		0.39
Pyrene		ND		0.39
C11-C22 Aromatics (unadjusted)		ND		3.9
C11-C22 Aromatics (Adjusted)		ND		3.9
C19-C36 Aliphatics		ND		3.9
C9-C18 Aliphatics		ND		3.9
Total EPH		ND		3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	84		40 - 140
2-Fluorobiphenyl	82		40 - 140
o-Terphenyl	86		40 - 140
1-Chlorooctadecane	60		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB308-1012**

Lab Sample ID: 360-37847-2
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 11/29/2011 1120
Date Received: 11/30/2011 1035

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84590	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.15 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/12/2011 1552			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.39
Acenaphthylene		ND		0.39
Anthracene		ND		0.39
Benzo[a]anthracene		ND		0.39
Benzo[a]pyrene		ND		0.39
Benzo[b]fluoranthene		ND		0.39
Benzo[g,h,i]perylene		ND		0.39
Benzo[k]fluoranthene		ND		0.39
Chrysene		ND		0.39
Dibenz(a,h)anthracene		ND		0.39
Fluoranthene		ND		0.39
Fluorene		ND		0.39
Indeno[1,2,3-cd]pyrene		ND		0.39
2-Methylnaphthalene		ND		0.39
Naphthalene		ND		0.39
Phenanthrene		ND		0.39
Pyrene		ND		0.39
C11-C22 Aromatics (unadjusted)		3.9		3.9
C11-C22 Aromatics (Adjusted)		3.9		3.9
C19-C36 Aliphatics		ND		3.9
C9-C18 Aliphatics		ND		3.9
Total EPH		3.9		3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	80		40 - 140
2-Fluorobiphenyl	79		40 - 140
o-Terphenyl	82		40 - 140
1-Chlorooctadecane	69		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-1012**

Lab Sample ID: 360-37847-3
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 11/29/2011 0900
Date Received: 11/30/2011 1035

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84590	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.63 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/12/2011 1734			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.38
Acenaphthylene		ND		0.38
Anthracene		ND		0.38
Benzo[a]anthracene		ND		0.38
Benzo[a]pyrene		ND		0.38
Benzo[b]fluoranthene		ND		0.38
Benzo[g,h,i]perylene		ND		0.38
Benzo[k]fluoranthene		ND		0.38
Chrysene		ND		0.38
Dibenz(a,h)anthracene		ND		0.38
Fluoranthene		ND		0.38
Fluorene		ND		0.38
Indeno[1,2,3-cd]pyrene		ND		0.38
2-Methylnaphthalene		ND		0.38
Naphthalene		ND		0.38
Phenanthrene		ND		0.38
Pyrene		ND		0.38
C11-C22 Aromatics (unadjusted)		ND		3.8
C11-C22 Aromatics (Adjusted)		ND		3.8
C19-C36 Aliphatics		ND		3.8
C9-C18 Aliphatics		ND		3.8
Total EPH		ND		3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	88		40 - 140
2-Fluorobiphenyl	87		40 - 140
o-Terphenyl	82		40 - 140
1-Chlorooctadecane	69		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB306-1012**

Lab Sample ID: 360-37847-4
Client Matrix: Solid
% Moisture: 12.0

Date Sampled: 11/29/2011 0955
Date Received: 11/30/2011 1035

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84590	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.56 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/12/2011 1808			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.37
Acenaphthylene		ND		0.37
Anthracene		ND		0.37
Benzo[a]anthracene		ND		0.37
Benzo[a]pyrene		ND		0.37
Benzo[b]fluoranthene		ND		0.37
Benzo[g,h,i]perylene		ND		0.37
Benzo[k]fluoranthene		ND		0.37
Chrysene		ND		0.37
Dibenz(a,h)anthracene		ND		0.37
Fluoranthene		ND		0.37
Fluorene		ND		0.37
Indeno[1,2,3-cd]pyrene		ND		0.37
2-Methylnaphthalene		ND		0.37
Naphthalene		ND		0.37
Phenanthrene		ND		0.37
Pyrene		ND		0.37
C11-C22 Aromatics (unadjusted)		ND		3.7
C11-C22 Aromatics (Adjusted)		ND		3.7
C19-C36 Aliphatics		ND		3.7
C9-C18 Aliphatics		ND		3.7
Total EPH		ND		3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	88		40 - 140
2-Fluorobiphenyl	87		40 - 140
o-Terphenyl	75		40 - 140
1-Chlorooctadecane	68		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-0203**

Lab Sample ID: 360-37847-5
Client Matrix: Solid
% Moisture: 15.5

Date Sampled: 11/29/2011 0845
Date Received: 11/30/2011 1035

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84590	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.78 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/12/2011 1842			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.38
Acenaphthylene		ND		0.38
Anthracene		ND		0.38
Benzo[a]anthracene		ND		0.38
Benzo[a]pyrene		ND		0.38
Benzo[b]fluoranthene		ND		0.38
Benzo[g,h,i]perylene		ND		0.38
Benzo[k]fluoranthene		ND		0.38
Chrysene		ND		0.38
Dibenz(a,h)anthracene		ND		0.38
Fluoranthene		ND		0.38
Fluorene		ND		0.38
Indeno[1,2,3-cd]pyrene		ND		0.38
2-Methylnaphthalene		ND		0.38
Naphthalene		ND		0.38
Phenanthrene		ND		0.38
Pyrene		ND		0.38
C11-C22 Aromatics (unadjusted)		5.8		3.8
C11-C22 Aromatics (Adjusted)		5.8		3.8
C19-C36 Aliphatics		13		3.8
C9-C18 Aliphatics		ND		3.8
Total EPH		19		3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	96		40 - 140
2-Fluorobiphenyl	95		40 - 140
o-Terphenyl	76		40 - 140
1-Chlorooctadecane	57		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB307-0810**

Lab Sample ID: 360-37847-6
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 11/29/2011 1440
Date Received: 11/30/2011 1035

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84590	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.43 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/12/2011 1916			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.39
Acenaphthylene		ND		0.39
Anthracene		ND		0.39
Benzo[a]anthracene		ND		0.39
Benzo[a]pyrene		ND		0.39
Benzo[b]fluoranthene		ND		0.39
Benzo[g,h,i]perylene		ND		0.39
Benzo[k]fluoranthene		ND		0.39
Chrysene		ND		0.39
Dibenz(a,h)anthracene		ND		0.39
Fluoranthene		ND		0.39
Fluorene		ND		0.39
Indeno[1,2,3-cd]pyrene		ND		0.39
2-Methylnaphthalene		ND		0.39
Naphthalene		ND		0.39
Phenanthrene		ND		0.39
Pyrene		ND		0.39
C11-C22 Aromatics (unadjusted)		ND		3.9
C11-C22 Aromatics (Adjusted)		ND		3.9
C19-C36 Aliphatics		ND		3.9
C9-C18 Aliphatics		ND		3.9
Total EPH		ND		3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	87		40 - 140
2-Fluorobiphenyl	86		40 - 140
o-Terphenyl	82		40 - 140
1-Chlorooctadecane	74		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB200A-0406**

Lab Sample ID: 360-37847-8
Client Matrix: Solid
% Moisture: 7.7

Date Sampled: 11/29/2011 1535
Date Received: 11/30/2011 1035

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84590	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.13 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/12/2011 1950			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.36
Acenaphthylene		ND		0.36
Anthracene		ND		0.36
Benzo[a]anthracene		ND		0.36
Benzo[a]pyrene		ND		0.36
Benzo[b]fluoranthene		ND		0.36
Benzo[g,h,i]perylene		ND		0.36
Benzo[k]fluoranthene		ND		0.36
Chrysene		ND		0.36
Dibenz(a,h)anthracene		ND		0.36
Fluoranthene		ND		0.36
Fluorene		ND		0.36
Indeno[1,2,3-cd]pyrene		ND		0.36
2-Methylnaphthalene		ND		0.36
Naphthalene		ND		0.36
Phenanthrene		ND		0.36
Pyrene		ND		0.36
C11-C22 Aromatics (unadjusted)		ND		3.6
C11-C22 Aromatics (Adjusted)		ND		3.6
C19-C36 Aliphatics		ND		3.6
C9-C18 Aliphatics		ND		3.6
Total EPH		ND		3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	80		40 - 140
2-Fluorobiphenyl	78		40 - 140
o-Terphenyl	73		40 - 140
1-Chlorooctadecane	69		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB304-0406**

Lab Sample ID: 360-37847-1
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 11/29/2011 1320
Date Received: 11/30/2011 1035

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0			Initial Weight/Volume:	1.53 g
Analysis Date:	12/02/2011 1841			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		ND		1.6
Barium		45		0.79
Cadmium		ND		0.32
Chromium		44		0.79
Lead		59		0.79
Selenium		ND		0.79
Silver		ND		1.6

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Analysis Date:	12/09/2011 1203			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.086

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB308-1012**

Lab Sample ID: 360-37847-2
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 11/29/2011 1120
Date Received: 11/30/2011 1035

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0			Initial Weight/Volume:	1.71 g
Analysis Date:	12/02/2011 1748			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.5		1.4
Barium		110		0.69
Cadmium		ND		0.28
Chromium		21		0.69
Lead		4.7		0.69
Selenium		ND		0.69
Silver		ND		1.4

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.24 g
Analysis Date:	12/09/2011 1156			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.098

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-1012**

Lab Sample ID: 360-37847-3
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 11/29/2011 0900
Date Received: 11/30/2011 1035

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0			Initial Weight/Volume:	1.63 g
Analysis Date:	12/02/2011 1844			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.4		1.4
Barium		50		0.72
Cadmium		4.6		0.29
Chromium		79		0.72
Lead		4.8		0.72
Selenium		ND		0.72
Silver		ND		1.4

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Analysis Date:	12/09/2011 1205			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.084

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB306-1012**

Lab Sample ID: 360-37847-4
Client Matrix: Solid
% Moisture: 12.0

Date Sampled: 11/29/2011 0955
Date Received: 11/30/2011 1035

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0			Initial Weight/Volume:	1.73 g
Analysis Date:	12/02/2011 1853			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		ND		1.3
Barium		75		0.66
Cadmium		ND		0.26
Chromium		19		0.66
Lead		6.4		0.66
Selenium		ND		0.66
Silver		ND		1.3

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.23 g
Analysis Date:	12/09/2011 1207			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.099

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-0203**

Lab Sample ID: 360-37847-5
Client Matrix: Solid
% Moisture: 15.5

Date Sampled: 11/29/2011 0845
Date Received: 11/30/2011 1035

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	50			Initial Weight/Volume:	1.78 g
Analysis Date:	12/02/2011 1859			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		ND		66
Barium		ND		33
Cadmium		ND		13
Chromium		9700		33
Lead		48		33
Selenium		ND		33
Silver		ND		66

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.26 g
Analysis Date:	12/09/2011 1212			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.091

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB307-0810**

Lab Sample ID: 360-37847-6
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 11/29/2011 1440
Date Received: 11/30/2011 1035

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0			Initial Weight/Volume:	1.58 g
Analysis Date:	12/02/2011 1902			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.7		1.5
Barium		140		0.76
Cadmium		ND		0.30
Chromium		36		0.76
Lead		5.0		0.76
Selenium		ND		0.76
Silver		ND		1.5

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.27 g
Analysis Date:	12/09/2011 1214			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.089

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB200A-0406**

Lab Sample ID: 360-37847-8
Client Matrix: Solid
% Moisture: 7.7

Date Sampled: 11/29/2011 1535
Date Received: 11/30/2011 1035

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0			Initial Weight/Volume:	1.95 g
Analysis Date:	12/02/2011 1905			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		ND		1.1
Barium		10		0.56
Cadmium		ND		0.22
Chromium		6.0		0.56
Lead		2.1		0.56
Selenium		ND		0.56
Silver		ND		1.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.23 g
Analysis Date:	12/09/2011 1216			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.094

APPENDIX C

SUPPORT DOCUMENTATION

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: R Clark	Lab PM:	Carrier Tracking No(s):	COC No: 017292
Client Contact: Keith Westberry	Phone: 860 673 3948	E-Mail:		Page: 1 of 1
Company: E-Tech				Job #:
Address: PO Box 2426	Due Date Requested: Contract			
City: Lindale	TAT Requested (days): Keith			
State, Zip: TX 75771				
Phone: 903 881 8309	Quote #:			
Email: Keith@etech.com	PO #:			
Project Name/number: Beaton + Corbin	WO #:			
Site: Southington CT	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; H - Ascorbic Acid; I - Ice; J - DI Water; M - Hexane; N - None; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; Z - other (specify)

Regulatory programs: MCP ☐ GW1/S1 ☐ RCP ☐ CT RSR ☐ DEP Form ☐ EDD Required ☐

Page 370 of 370 Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC CT RSR EPH methods	Total Number of containers	Special Instructions/Note:
Preservation Code:										
BC-SO-SB304-0406	11/29/28	1320						✓✓		
BC-SO-SB308-1012		1120						✓✓		Lab QC MS/MSD
BC-SO-SB305-1012		0900						✓✓		
BC-SO-SB306-1012		0955						✓✓		
BC-SO-SB305-0203		0845						✓✓		
BC-SO-SB307-0810		1440						✓✓		
BC-TB-112911		0900						✓		VOC must be analyzed or frozen upon receipt
BC-SO-SB200A-0406		1535						✓✓		
					SB			11/30/11		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	11/30/11 0920			11-30-11 0820	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	11-30-11 10:35			11/30/11 10:35	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☒ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.3°C w/ ice

CASE NARRATIVE

Client: Etech Environmental & Safety Solutions

Project: Beaton & Corbin Factory Site

Report Number: 360-37847-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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 11/30/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.3 C.

Regarding questions 5a and 5b on the CT RCP certification form, the laboratory has evaluated reporting limits against the most stringent class criteria in the absence of a specified class on the chain-of-custody.

The LCS Duplicate (LCSD) is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples BC-SO-SB304-0406 (360-37847-1), BC-SO-SB308-1012 (360-37847-2), BC-SO-SB305-1012 (360-37847-3), BC-SO-SB306-1012 (360-37847-4), BC-SO-SB305-0203 (360-37847-5), BC-SO-SB307-0810 (360-37847-6), BC-TB-112911 (360-37847-7) and BC-SO-SB200A-0406 (360-37847-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B (RCP). The samples were prepared and analyzed on 12/12/2011.

All samples submitted in water preserved vials for volatile analysis were placed in the laboratory's freezer on 11/30/2011 at 1200.

2-Hexanone, 4-Methyl-2-pentanone (MIBK), Carbon disulfide and trans-1,4-Dichloro-2-butene failed the recovery criteria high for LCS 360-84699/1-A. Refer to the QC report for details.

Several analytes failed the recovery criteria high for the MS and MSD of sample BC-SO-SB308-1012 (360-37847-2) in batch 360-84698. Refer to the QC report for details.

The calibration curve used quadratic regression for trans-1,4-Dichloro-2-butene.

The desired reagent water to soil ratio was high and outside of the method guidance limits of 1:1 ± 25% for samples BC-SO-SB304-0406 (360-37847-1), BC-SO-SB305-1012 (360-37847-3), BC-SO-SB307-0810 (360-37847-6).

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS

Samples BC-SO-SB304-0406 (360-37847-1), BC-SO-SB308-1012 (360-37847-2), BC-SO-SB305-1012 (360-37847-3), BC-SO-SB306-1012 (360-37847-4), BC-SO-SB305-0203 (360-37847-5), BC-SO-SB307-0810 (360-37847-6) and BC-SO-SB200A-0406 (360-37847-8) were analyzed for extractable petroleum hydrocarbons in accordance with MA DEP MA-EPH. The samples were prepared on 11/30/2011 and analyzed on 12/12/2011.

According to EPH method reference 11.2.6.2, using GC/MS, the laboratory has identified a single component contaminant that appears at the same retention time in all laboratory and field samples. This contaminant is derived from the method's SPE cartridge and is not included in the calculation of the C11-C22 Aromatics range.

No difficulties were encountered during the EPH analyses.

All quality control parameters were within the acceptance limits.

METALS (ICP)
Samples BC-SO-SB304-0406 (360-37847-1), BC-SO-SB308-1012 (360-37847-2), BC-SO-SB305-1012 (360-37847-3), BC-SO-SB306-1012 (360-37847-4), BC-SO-SB305-0203 (360-37847-5), BC-SO-SB307-0810 (360-37847-6) and BC-SO-SB200A-0406 (360-37847-8) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 12/02/2011.

For batch 84306, the closing interference check standard (ICS) AB was not valid. The sample cup went dry before the instrument finished reading the standard.

Sample BC-SO-SB305-0203 (360-37847-5)[50X] required dilution prior to analysis due to high non-target concentration. The reporting limits have been adjusted accordingly.

At the request of the client, an abbreviated RCP analyte list (EPA RCRA 8) was reported for this job.

No difficulties were encountered during the total metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples BC-SO-SB304-0406 (360-37847-1), BC-SO-SB308-1012 (360-37847-2), BC-SO-SB305-1012 (360-37847-3), BC-SO-SB306-1012 (360-37847-4), BC-SO-SB305-0203 (360-37847-5), BC-SO-SB307-0810 (360-37847-6) and BC-SO-SB200A-0406 (360-37847-8) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A (RCP). The samples were prepared on 12/08/2011 and analyzed on 12/09/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS
Samples BC-SO-SB304-0406 (360-37847-1), BC-SO-SB308-1012 (360-37847-2), BC-SO-SB305-1012 (360-37847-3), BC-SO-SB306-1012 (360-37847-4), BC-SO-SB305-0203 (360-37847-5), BC-SO-SB307-0810 (360-37847-6) and BC-SO-SB200A-0406 (360-37847-8) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 12/01/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 83953

SDG No.: 360-37847

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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								
1,1-Dichloroethane	0.6166 0.5925	0.5946 0.6814	0.6479	0.5729	0.5649	Ave		0.6101			0.1000	6.9		15.0			
Acrylonitrile	0.0479 0.0495	0.0509 0.0582	0.0478	0.0424	0.0471	Ave		0.0491				9.8		15.0			
cis-1,2-Dichloroethene	0.4782 0.4446	0.4326 0.5226	0.4819	0.4330	0.4306	Ave		0.4605				7.6		15.0			
2,2-Dichloropropane	0.4706 0.3539	0.4203 0.3989	0.4301	0.3759	0.3839	Ave		0.4048				9.6		15.0			
Chloroform	0.5596 0.5245	0.5476 0.6007	0.5872	0.5298	0.5105	Ave		0.5514				6.0		15.0			
Carbon tetrachloride	0.3720 0.3343	0.3576 0.4059	0.3675	0.3246	0.3411	Ave		0.3576				7.7		15.0			
Tetrahydrofuran	0.0460 0.0366	0.0355 0.0440	0.0359	0.0335	0.0361	Ave		0.0382				12.0		15.0			
1,1,1-Trichloroethane	0.4636 0.4231	0.4313 0.5111	0.4606	0.4181	0.4163	Ave		0.4463				7.7		15.0			
2-Butanone (MEK)	1.2613 1.2596	1.3044 1.1281	1.1907	1.0895	1.1005	Ave		1.1906				7.3		15.0			
1,1-Dichloropropene	0.3760 0.4041	0.3738 0.4446	0.4312	0.3932	0.3849	Ave		0.4011				6.8		15.0			
Benzene	1.1565 1.1119	1.0668 1.2185	1.2175	1.0917	1.0879	Ave		1.1358				5.5		15.0			
1,2-Dichloroethane	0.2766 0.2800	0.2527 0.3676	0.2648	0.2447	0.2685	Ave		0.2793				15.0		15.0			
Methylcyclohexane	0.4986 0.4653	0.5269 0.4493	0.5987	0.5099	0.4787	Ave		0.5039				9.8		15.0			
Trichloroethene	0.3754 0.2928	0.3233 0.2839	0.3550	0.3089	0.3058	Ave		0.3207				10.0		15.0			
Dibromomethane	0.1313 0.1354	0.1099 0.1709	0.1276	0.1181	0.1301	Ave		0.1319				15.0		15.0			
1,2-Dichloropropane	0.2950 0.2396	0.2603 0.2094	0.2802	0.2481	0.2461	Ave		0.2541				11.0		15.0			
Dichlorobromomethane	0.3381 0.3419	0.2911 0.4333	0.3403	0.3057	0.3288	Ave		0.3399				13.0		15.0			
cis-1,3-Dichloropropene	0.3684 0.4117	0.3211 0.5075	0.3788	0.3456	0.3840	Ave		0.3882				15.0		15.0			
Toluene	0.7381 0.6941	0.6360 0.7596	0.7464	0.6628	0.6763	Ave		0.7019				6.7		15.0			
4-Methyl-2-pentanone (MIBK)	2.2127 2.4728	2.4193 1.7794	2.6534	2.3977	2.4595	Ave		2.3421				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
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 83953

SDG No.: 360-37847

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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-Trichloropropane	0.0826 0.0689	0.0675 0.0659	0.0775	0.0653	0.0696	Ave		0.0710				9.2		15.0			
trans-1,4-Dichloro-2-butene	0.0745 0.0431	0.0638 0.0334	0.0611	0.0612	0.0639	Qua	0.0813	0.0491	0						0.9950		0.9900
4-Chlorotoluene	1.4801 1.3736	1.4706 1.1639	1.6443	1.5143	1.4423	Ave		1.4413				10.0		15.0			
tert-Butylbenzene	1.3153 1.2458	1.3128 1.0462	1.5516	1.4253	1.3277	Ave		1.3178				12.0		15.0			
1,2,4-Trimethylbenzene	2.2329 1.4766	1.7054 1.2321	2.6314	2.3764	1.5981	Lin	6.1506	1.2044							0.9960		0.9900
sec-Butylbenzene	2.2345 1.9965	2.2257 1.6254	2.6353	2.3831	2.1738	Ave		2.1820				14.0		15.0			
4-Isopropyltoluene	1.6452 1.5378	1.6891 1.2653	1.9776	1.7914	1.6752	Ave		1.6545				13.0		15.0			
1,3-Dichlorobenzene	0.8906 0.7882	0.9009 0.6726	0.9935	0.8918	0.8526	Ave		0.8558				12.0		15.0			
1,4-Dichlorobenzene	2.6755 2.5865	2.6036 2.5599	3.0740	2.7405	2.7235	Ave		2.7091				6.5		15.0			
n-Butylbenzene	5.4159 5.3956	5.4101 4.6703	6.5984	6.1801	5.7477	Ave		5.6312				11.0		15.0			
1,2-Dichlorobenzene	2.3287 2.3706	2.3172 2.3201	2.6528	2.4907	2.4720	Ave		2.4217				5.1		15.0			
1,2-Dibromo-3-Chloropropane	0.1424 0.1485	0.1159 0.1722	0.1261	0.1263	0.1463	Ave		0.1397				13.0		15.0			
Hexachlorobutadiene	0.8693 0.9804	0.8741 0.9748	1.0583	1.0121	0.9872	Ave		0.9652				7.2		15.0			
1,2,4-Trichlorobenzene	1.3016 1.4471	1.2698 1.5445	1.5150	1.4464	1.5087	Ave		1.4333				7.5		15.0			
Naphthalene	1.8440 2.2137	1.7088 2.5132	1.8758	1.9410	2.2076	Ave		2.0435				14.0		15.0			
1,2,3-Trichlorobenzene	0.9086 1.1733	0.9506 1.2993	1.1316	1.1082	1.1884	Ave		1.1086				12.0		15.0			
Dibromofluoromethane	0.2514 0.2376	0.2397 0.2631	0.2316	0.2321	0.2318	Ave		0.2411				5.0		15.0			
Toluene-d8 (Surr)	0.8828 1.0135	0.8585 1.3161	0.8934	0.8961	0.9448	Ave		0.9722				16.0	*	15.0			
4-Bromofluorobenzene	0.5546 0.5498	0.5517 0.5889	0.5352	0.5359	0.5449	Ave		0.5516				3.3		15.0			

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

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCVIS 360-84698/2 Calibration Date: 12/12/2011 16:30

Instrument ID: HP #1 GC/MS Calib Start Date: 11/28/2011 17:05

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/28/2011 19:38

Lab File ID: V55291.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4388	0.4085		93.0	100	-6.9	30.0
Chloromethane	Ave	0.5487	0.5869	0.1000	107	100	7.0	30.0
Vinyl chloride	Ave	0.4537	0.4332		95.5	100	-4.5	20.0
Bromomethane	Ave	0.2879	0.2730		95.0	100	-5.2	30.0
Chloroethane	Lin		0.2451		116	100	16.0	30.0
Trichlorofluoromethane	Ave	0.4807	0.4426		92.0	100	-7.9	30.0
1,1-Dichloroethene	Ave	0.2882	0.2900		101	100	0.6	20.0
Carbon disulfide	Ave	0.8562	0.9027		106	100	5.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1924	0.1849		96.0	100	-3.9	30.0
Methylene Chloride	Lin1		0.3142		93.5	100	-6.5	30.0
Acetone	Lin2		0.6192		880	1000	-12.1	30.0
Methyl acetate	Ave	0.0971	0.1004		1030	1000	3.4	30.0
trans-1,2-Dichloroethene	Ave	0.4806	0.4963		104	100	3.3	30.0
Methyl tert-butyl ether	Ave	0.5533	0.5456		98.5	100	-1.4	30.0
1,1-Dichloroethane	Ave	0.6101	0.6073	0.1000	99.5	100	-0.5	30.0
Acrylonitrile	Ave	0.0491	0.0494		101	100	0.6	30.0
cis-1,2-Dichloroethene	Ave	0.4605	0.4607		100	100	0.0	30.0
2,2-Dichloropropane	Ave	0.4048	0.4175		103	100	3.1	30.0
Chloroform	Ave	0.5514	0.5327		96.5	100	-3.4	20.0
Carbon tetrachloride	Ave	0.3576	0.3916		110	100	9.5	30.0
Tetrahydrofuran	Ave	0.0382	0.0385		1010	1000	0.6	30.0
1,1,1-Trichloroethane	Ave	0.4463	0.4339		97.0	100	-2.8	30.0
2-Butanone (MEK)	Ave	1.191	1.127		947	1000	-5.3	30.0
1,1-Dichloropropene	Ave	0.4011	0.4262		106	100	6.2	30.0
Benzene	Ave	1.136	1.166		103	100	2.7	30.0
1,2-Dichloroethane	Ave	0.2793	0.2563		92.0	100	-8.2	30.0
Methylcyclohexane	Ave	0.5039	0.5428		108	100	7.7	30.0
Trichloroethene	Ave	0.3207	0.3258		102	100	1.6	30.0
Dibromomethane	Ave	0.1319	0.1312		99.5	100	-0.5	30.0
1,2-Dichloropropane	Ave	0.2541	0.2752		109	100	8.3	20.0
Dichlorobromomethane	Ave	0.3399	0.3452		102	100	1.6	30.0
cis-1,3-Dichloropropene	Ave	0.3882	0.4063		105	100	4.7	30.0
Toluene	Ave	0.7019	0.7248		104	100	3.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	2.342	2.549		1090	1000	8.8	30.0
Tetrachloroethene	Ave	0.2691	0.2599		96.5	100	-3.4	30.0
trans-1,3-Dichloropropene	Ave	0.2595	0.2596		100	100	0.0	30.0
1,1,2-Trichloroethane	Ave	0.1270	0.1246		98.0	100	-1.9	30.0
Chlorodibromomethane	Lin		0.1749		81.0	100	-19.0	30.0
1,3-Dichloropropane	Lin		0.2603		87.0	100	-13.0	30.0
Ethylene Dibromide	Lin		0.1353		81.0	100	-19.0	30.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84699

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84699/1-A	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55292.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/12/2011 1656	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84699/2-A	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55293.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/12/2011 1721	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	94	99	70 - 130	5	25		
1,1,1-Trichloroethane	101	106	70 - 130	5	25		
1,1,2,2-Tetrachloroethane	104	103	70 - 130	1	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	82	86	70 - 130	5	25		
1,1,2-Trichloroethane	111	110	70 - 130	1	25		
1,1-Dichloroethane	107	113	70 - 130	5	25		
1,1-Dichloroethene	107	113	70 - 130	5	25		
1,1-Dichloropropene	111	115	70 - 130	4	25		
1,2,3-Trichlorobenzene	99	96	70 - 130	3	25		
1,2,3-Trichloropropane	86	84	70 - 130	2	25		
1,2,4-Trichlorobenzene	100	100	70 - 130	0	25		
1,2,4-Trimethylbenzene	104	111	70 - 130	6	25		
1,2-Dibromo-3-Chloropropane	89	88	70 - 130	2	25		
1,2-Dichlorobenzene	98	99	70 - 130	2	25		
1,2-Dichloroethane	100	101	70 - 130	1	25		
1,2-Dichloropropane	118	122	70 - 130	3	25		
1,3,5-Trimethylbenzene	115	125	70 - 130	8	25		
1,3-Dichlorobenzene	93	97	70 - 130	5	25		
1,3-Dichloropropane	97	96	70 - 130	1	25		
1,4-Dichlorobenzene	95	99	70 - 130	4	25		
2,2-Dichloropropane	101	104	70 - 130	3	25		
2-Butanone (MEK)	125	125	70 - 130	0	25		
2-Chlorotoluene	117	124	70 - 130	6	25		
2-Hexanone	143	145	70 - 130	1	25	*	
4-Chlorotoluene	95	104	70 - 130	9	25		
4-Isopropyltoluene	100	106	70 - 130	6	25		
4-Methyl-2-pentanone (MIBK)	143	147	70 - 130	3	25	*	
Acetone	126	129	70 - 130	2	25		
Acrylonitrile	108	108	70 - 130	0	25		
Benzene	109	113	70 - 130	4	25		
Bromobenzene	100	105	70 - 130	4	25		
Bromoform	80	80	70 - 130	1	25		
Bromomethane	92	100	70 - 130	8	25		
Carbon disulfide	135	144	70 - 130	6	25	*	
Carbon tetrachloride	99	101	70 - 130	2	25		
Chlorobenzene	98	103	70 - 130	5	25		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84699

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84699/1-A	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55292.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/12/2011 1656	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84699/2-A	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55293.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/12/2011 1721	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chlorodibromomethane	88	87	70 - 130	2	25		
Chloroethane	109	121	70 - 130	10	25		
Chloroform	102	106	70 - 130	4	25		
Chloromethane	104	109	70 - 130	5	25		
cis-1,2-Dichloroethene	106	111	70 - 130	4	25		
cis-1,3-Dichloropropene	114	114	70 - 130	0	25		
Dibromomethane	109	108	70 - 130	1	25		
Dichlorobromomethane	108	110	70 - 130	1	25		
Dichlorodifluoromethane	84	90	70 - 130	7	25		
Ethylbenzene	102	109	70 - 130	6	25		
Ethylene Dibromide	91	87	70 - 130	4	25		
Hexachlorobutadiene	95	99	70 - 130	4	25		
Isopropylbenzene	99	105	70 - 130	6	25		
m-Xylene & p-Xylene	121	131	70 - 130	8	25		
Methyl tert-butyl ether	103	103	70 - 130	0	25		
Methylene Chloride	100	105	70 - 130	4	25		
n-Butylbenzene	111	118	70 - 130	6	25		
N-Propylbenzene	128	138	70 - 130	8	25		
Naphthalene	103	98	70 - 130	5	25		
o-Xylene	101	108	70 - 130	7	25		
sec-Butylbenzene	99	106	70 - 130	7	25		
Styrene	97	102	70 - 130	5	25		
tert-Butylbenzene	97	103	70 - 130	7	25		
Tetrachloroethene	104	107	70 - 130	3	25		
Tetrahydrofuran	114	106	70 - 130	7	25		
Toluene	111	115	70 - 130	4	25		
trans-1,2-Dichloroethene	107	114	70 - 130	7	25		
trans-1,3-Dichloropropene	113	111	70 - 130	2	25		
trans-1,4-Dichloro-2-butene	136	138	70 - 130	1	25	*	
Trichloroethene	108	112	70 - 130	4	25		
Trichlorofluoromethane	90	95	70 - 130	6	25		
Vinyl chloride	91	97	70 - 130	6	25		
Xylenes, Total	114	123	70 - 130	7	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	99	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84699

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-37847-2	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55314.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.99 g
Analysis Date:	12/13/2011 0215			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

MSD Lab Sample ID:	360-37847-2	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55315.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.83 g
Analysis Date:	12/13/2011 0240			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	108	108	70 - 130	3	30		
1,1,1-Trichloroethane	118	119	70 - 130	5	30		
1,1,2,2-Tetrachloroethane	104	106	70 - 130	5	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	93	97	70 - 130	8	30		
1,1,2-Trichloroethane	116	117	70 - 130	5	30		
1,1-Dichloroethane	127	127	70 - 130	4	30		
1,1-Dichloroethene	120	126	70 - 130	9	30		
1,1-Dichloropropene	123	124	70 - 130	4	30		
1,2,3-Trichlorobenzene	90	97	70 - 130	12	30		
1,2,3-Trichloropropane	92	95	70 - 130	7	30		
1,2,4-Trichlorobenzene	92	97	70 - 130	9	30		
1,2,4-Trimethylbenzene	120	120	70 - 130	3	30		
1,2-Dibromo-3-Chloropropane	81	88	70 - 130	13	30		
1,2-Dichlorobenzene	98	100	70 - 130	6	30		
1,2-Dichloroethane	110	110	70 - 130	4	30		
1,2-Dichloropropane	131	130	70 - 130	3	30	F	
1,3,5-Trimethylbenzene	133	133	70 - 130	3	30	F	F
1,3-Dichlorobenzene	101	101	70 - 130	4	30		
1,3-Dichloropropane	98	97	70 - 130	3	30		
1,4-Dichlorobenzene	95	96	70 - 130	4	30		
2,2-Dichloropropane	108	109	70 - 130	5	30		
2-Butanone (MEK)	134	131	70 - 130	1	30	F	F
2-Chlorotoluene	138	139	70 - 130	5	30	F	F
2-Hexanone	147	148	70 - 130	4	30	F	F
4-Chlorotoluene	105	107	70 - 130	5	30		
4-Isopropyltoluene	111	111	70 - 130	3	30		
4-Methyl-2-pentanone (MIBK)	162	166	70 - 130	6	30	F	F
Acetone	117	131	70 - 130	15	30		F
Acrylonitrile	114	117	70 - 130	6	30		
Benzene	125	124	70 - 130	3	30		
Bromobenzene	114	114	70 - 130	4	30		
Bromoform	75	76	70 - 130	5	30		
Bromomethane	113	113	70 - 130	3	30		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84699

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-37847-2	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55314.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.99 g
Analysis Date:	12/13/2011 0215			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

MSD Lab Sample ID:	360-37847-2	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55315.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.83 g
Analysis Date:	12/13/2011 0240			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon disulfide	157	160	70 - 130	6	30	F	F
Carbon tetrachloride	112	111	70 - 130	3	30		
Chlorobenzene	105	104	70 - 130	3	30		
Chlorodibromomethane	87	88	70 - 130	4	30		
Chloroethane	142	146	70 - 130	6	30	F	F
Chloroform	121	120	70 - 130	3	30		
Chloromethane	126	125	70 - 130	3	30		
cis-1,2-Dichloroethene	122	124	70 - 130	5	30		
cis-1,3-Dichloropropene	112	113	70 - 130	5	30		
Dibromomethane	114	115	70 - 130	5	30		
Dichlorobromomethane	117	117	70 - 130	4	30		
Dichlorodifluoromethane	98	100	70 - 130	5	30		
Ethylbenzene	115	114	70 - 130	2	30		
Ethylene Dibromide	86	87	70 - 130	5	30		
Hexachlorobutadiene	86	87	70 - 130	4	30		
Isopropylbenzene	111	111	70 - 130	3	30		
m-Xylene & p-Xylene	139	138	70 - 130	3	30	F	F
Methyl tert-butyl ether	114	119	70 - 130	8	30		
Methylene Chloride	124	124	70 - 130	3	30		
n-Butylbenzene	112	113	70 - 130	4	30		
N-Propylbenzene	149	149	70 - 130	4	30	F	F
Naphthalene	93	101	70 - 130	12	30		
o-Xylene	117	116	70 - 130	2	30		
sec-Butylbenzene	110	110	70 - 130	4	30		
Styrene	103	103	70 - 130	3	30		
tert-Butylbenzene	110	111	70 - 130	5	30		
Tetrachloroethene	107	107	70 - 130	4	30		
Tetrahydrofuran	111	120	70 - 130	11	30		
Toluene	119	119	70 - 130	3	30		
trans-1,2-Dichloroethene	126	125	70 - 130	3	30		
trans-1,3-Dichloropropene	108	108	70 - 130	3	30		
trans-1,4-Dichloro-2-butene	133	145	70 - 130	12	30	F	F
Trichloroethene	116	119	70 - 130	5	30		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84699

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-37847-2	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55314.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.99 g
Analysis Date:	12/13/2011 0215			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

MSD Lab Sample ID:	360-37847-2	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55315.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.83 g
Analysis Date:	12/13/2011 0240			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Trichlorofluoromethane	106	110	70 - 130	8	30		
Vinyl chloride	108	110	70 - 130	6	30		
Xylenes, Total	131	131	70 - 130	3	30	F	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	102	100	70 - 130
Dibromofluoromethane	95	94	70 - 130
Toluene-d8 (Surr)	102	100	70 - 130

Tetra Tech **INTERNAL CORRESPONDENCE**

PHIL-24636

TO: **BRANDON SMITH** **DATE:** **JANUARY 17, 2012**

FROM: **MEGAN RITCHIE** **COPIES:** **DV FILE**

SUBJECT: **INORGANIC AND ORGANIC DATA VALIDATION – VOC/EPH/METALS**
FORMER BEATON & CORBIN BROWNSFIELD SITE, SOUTHINGTON, CONNECTICUT
SAMPLE DELIVERY GROUP (SDG) 360-J37900-1

SAMPLES: 8/Aqueous/VOC/EPH/METALS

BC-GW-MW06-120111	BC-GW-MW302-120111
BC-GW-MW25-120111	BC-GW-MW304-120111
BC-GW-MW200A-120111	BC-GW-MW305-120111
BC-GW-MW301-120111	BC-GW-DUP01-120111

1/Aqueous/VOC

BC-TB-GW-120111

Overview

The sample set for the Former Beaton & Corbin Brownsfield Site, Southington, CT, SDG 360-J37900-1 consisted of eight (8) aqueous environmental samples (designated BC-GW-) and one (1) trip blank (designated BC-TB-). All samples (except the trip blank) were analyzed for volatile organic compounds (VOCs), extractable petroleum hydrocarbons (EPH), and metals. Sample BC-GW-MW06-120111 was designated for matrix spike/matrix spike duplicate (MS/MSD) analyses. One field duplicate pair was included in this SDG: BC-GW-MW06-120111 and BC-GW-DUP01-120111.

The samples were collected by eTech Environmental & Safety Solutions, Inc. (eTech) on December 1, 2011 and analyzed by the TestAmerica laboratory in Westfield, Massachusetts.

All analyses were conducted in accordance with SW-846 Methods 8260B for VOCs, 6010B for metals, and 7470A for mercury. EPH was analyzed using the Massachusetts Department of Environmental Protection Low Level Extractable Petroleum Hydrocarbons Method (MADEP-EPH-LL). A limited data validation was performed based on the following parameters:

* • Data Completeness
* • Holding Times
* • GC/MS Instrument Tuning and System Performance
• Initial and Continuing Calibrations
* • Laboratory Method Blank Results
* • Surrogate Spike Recoveries
* • Internal Standard Areas
• MS/MSD Sample Results
• Laboratory Control Sample (LCS) Results
* • ICP Interference Check Sample Results
* • ICP Serial Dilution Results

* • Field Duplicate Precision
* • Laboratory Duplicate Results
* • Analyte Identification

The asterisk (*) indicates that all quality control criteria were met for this parameter. Qualified (if applicable) analytical results are summarized in Appendix A. Results as reported by the laboratory are presented in Appendix B. and Appendix C contains the documentation to support the findings as discussed in this data validation report. Limited validation was performed on the data in this SDG and includes data completeness, holding times, quality control recoveries and limits from laboratory forms, and a review for false positives and false negatives. The text of this report has been formulated to address only those areas affecting data quality.

CONTINUING CALIBRATION

The continuing calibration percent differences (%D) exceeded the QC limit of 30% for carbon tetrachloride. The non-detected results for carbon tetrachloride were qualified as estimated (UJ).

MS/MSD

The MS/MSD %Rs exceeded the upper QC limit of 130% for 1,1,1-trichloroethane, 2,2-dichloropropane, and carbon tetrachloride. The positive result for 1,1,1-trichloroethane of the associated un-spiked field sample (MW06-120111) was qualified as estimated (J). No qualifications were made for 2,2-dichloropropane and carbon tetrachloride because there were no positive results for these analytes in the un-spiked field sample.

NOTES

The VOC laboratory control sample (LCS) percent recoveries (%Rs) exceeded the upper QC limit of 130% for carbon disulfide and carbon tetrachloride. No qualifications were made because there were no results for these analytes.

The VOC results were reported to the Reporting Limit (RL) by the laboratory (rather than to the Method Detection Limit (MDL) and reported with “J” flag).

The LCS recoveries were below the lower QC limit of 40% for n-decane (C10), a single component of the C_9-C_{18} aliphatic hydrocarbon range. The LCS duplicate (LCSD) recovery was below the lower QC limit of 30% for n-nonane (C9), a single component of the C_9-C_{18} aliphatic hydrocarbon range. No qualifications were made for the C_9-C_{18} aliphatic hydrocarbon range based on the LCS. The C_9-C_{18} aliphatic hydrocarbon range LCS/LCSD recoveries were within QC limits.

The MS recoveries were below the lower QC limit of 40% for dodecane and n-decane (C10), single components of the C_9-C_{18} aliphatic hydrocarbon range. The MS recovery was below the lower QC limit of 30% for n-nonane (C9), a single component of the C_9-C_{18} aliphatic hydrocarbon range. No qualifications were made for the C_9-C_{18} aliphatic hydrocarbon range based on these single components. The C_9-C_{18} aliphatic hydrocarbon range MS recovery was within QC limits.

Metals results were acceptable as reported by the laboratory.

EXECUTIVE SUMMARY

Laboratory Performance: One VOC continuing calibration %D exceeded the QC criterion. LCS/LCSD recoveries were outside QC limits for two VOCs and two EPH compounds.

Other Factors Affecting Data Quality: MS/MSD recoveries were outside QC limits for three VOCs and three EPH compounds. .

The limited data validation performed for these analyses were completed with reference to the criteria for SW-846 Methods 8260B, 6010B, and 7470A and MADEP-EPH-LL listed in the project specific QAPP addendum and the "USEPA Region 1 Laboratory Data Validation Functional Guidelines – Part II" (12/96).

Megan Ritchie
_____
Tetra Tech
Megan Ritchie
Chemist/Data Validator

Russell Sloboda
_____
Tetra Tech
Russell Sloboda
Data Validation Quality Assurance Officer

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C – Support Documentation

APPENDIX A

QUALIFIED LABORATORY RESULTS

DATA SUMMARY OF LABORATORY ANALYTICAL RESULTS
SDG 360-J37900-1

Sample ID:	BC-TB-GW-120111			BC-GW-MW25-120111			BC-GW-MW06-120111			BC-GW-MWDUP01-120111			BC-GW-MW301-120111		
Laboratory Number:	360-37900-1			360-37900-3			360-37900-4			360-37900-2			360-37900-5		
Sample Date:	12/1/2011			12/1/2011			12/1/2011			12/1/2011			12/1/2011		
Duplicate of:										BC-GW-MW06-120111					
	ug/L	Qual	Code	ug/L	Qual	Code	ug/L	Qual	Code	ug/L	Qual	Code	ug/L	Qual	Code
VOLATILES															
1,1,1,2-Tetrachloroethane	1	U		1	U		1	U		1	U		1	U	
1,1,1-Trichloroethane	1	U		1	U		20	J	D	17			1	U	
1,1,2,2-Tetrachloroethane	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	1	U		1	U		1	U		1	U		1	U	
1,1,2-Trichloroethane	1	U		1	U		1	U		1	U		1	U	
1,1-Dichloroethane	1	U		1	U		19			16			1	U	
1,1-Dichloroethene	1	U		1	U		2.7			2.4			1	U	
1,1-Dichloropropene	1	U		1	U		1	U		1	U		1	U	
1,2,3-Trichlorobenzene	1	U		1	U		1	U		1	U		1	U	
1,2,3-Trichloropropane	1	U		1	U		1	U		1	U		1	U	
1,2,4-Trichlorobenzene	1	U		1	U		1	U		1	U		1	U	
1,2,4-Trimethylbenzene	1	U		1	U		1	U		1	U		1	U	
1,2-Dibromo-3-Chloropropane	5	U		5	U		5	U		5	U		5	U	
1,2-Dichlorobenzene	1	U		1	U		2.4			2.2			1	U	
1,2-Dichloroethane	1	U		1	U		1	U		1	U		1	U	
1,2-Dichloropropane	1	U		1	U		1	U		1	U		1	U	
1,3,5-Trimethylbenzene	1	U		1	U		1	U		1	U		1	U	
1,3-Dichlorobenzene	1	U		1	U		1	U		1	U		1	U	
1,3-Dichloropropane	1	U		1	U		1	U		1	U		1	U	
1,4-Dichlorobenzene	1	U		1	U		1	U		1	U		1	U	
2,2-Dichloropropane	1	U		1	U		1	U		1	U		1	U	
2-Butanone (MEK)	10	U		10	U		10	U		10	U		10	U	
2-Chlorotoluene	1	U		1	U		1	U		1	U		1	U	
2-Hexanone	10	U		10	U		10	U		10	U		10	U	
4-Chlorotoluene	1	U		1	U		1	U		1	U		1	U	
4-Isopropyltoluene	1	U		1	U		1	U		1	U		1	U	
4-Methyl-2-pentanone (MIBK)	10	U		10	U		10	U		10	U		10	U	
Acetone	50	U		50	U		50	U		50	U		50	U	
Acrylonitrile	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Benzene	1	U		1	U		1	U		1	U		1	U	
Bromobenzene	1	U		1	U		1	U		1	U		1	U	
Bromoform	1	U		1	U		1	U		1	U		1	U	
Bromomethane	2	U		2	U		2	U		2	U		2	U	
Carbon disulfide	10	U		10	U		10	U		10	U		10	U	
Carbon tetrachloride	1	UJ	C	1	UJ	C	1	UJ	C	1	UJ	C	1	UJ	C
Chlorobenzene	1	U		1	U		1	U		1	U		1	U	
Chlorodibromomethane	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	2	U		2	U		2	U		2	U		2	U	
Chloroform	1	U		1	U		1	U		1	U		1	U	
Chloromethane	2	U		2	U		2	U		2	U		2	U	
cis-1,2-Dichloroethene	1	U		1	U		36			31			1	U	
cis-1,3-Dichloropropene	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U	
Dibromomethane	1	U		1	U		1	U		1	U		1	U	
Dichlorobromomethane	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Dichlorodifluoromethane	1	U		1	U		1	U		1	U		1	U	
Ethylbenzene	1	U		1	U		1	U		1	U		1	U	
Ethylene Dibromide	1	U		1	U		1	U		1	U		1	U	
Hexachlorobutadiene	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U	
Isopropylbenzene	1	U		1	U		1.6			1.4			1	U	
Methyl tert-butyl ether	1	U		1	U		1	U		1	U		1	U	
Methylene Chloride	2	U		2	U		2	U		2	U		2	U	
m-Xylene & p-Xylene	2	U		2	U		2	U		2	U		2	U	
Naphthalene	5	U		5	U		5	U		5	U		5	U	
n-Butylbenzene	1	U		1	U		1	U		1	U		1	U	
N-Propylbenzene	1	U		1	U		1	U		1	U		1	U	
o-Xylene	1	U		1	U		1	U		1	U		1	U	

DATA SUMMARY OF LABORATORY ANALYTICAL RESULTS
SDG 360-J37900-1

Sample ID:	BC-TB-GW-120111			BC-GW-MW25-120111			BC-GW-MW06-120111			BC-GW-MWDUP01-120111			BC-GW-MW301-120111		
Laboratory Number:	**360-37900-1**			**360-37900-3**			**360-37900-4**			**360-37900-2**			**360-37900-5**		
Sample Date:	**12/1/2011**			**12/1/2011**			**12/1/2011**			**12/1/2011**			**12/1/2011**		
Duplicate of:										**BC-GW-MW06-120111**					
	ug/L	**Qual**	**Code**	**ug/L**	**Qual**	**Code**	**ug/L**	**Qual**	**Code**	**ug/L**	**Qual**	**Code**	**ug/L**	**Qual**	**Code**
sec-Butylbenzene	1	U		1	U		6			5.2			1	U	
Styrene	1	U		1	U		1	U		1	U		1	U	
tert-Butylbenzene	1	U		1	U		1.9			1.6			1	U	
Tetrachloroethene	1	U		1	U		1.9			1.6			1	U	
Tetrahydrofuran	10	U		10	U		10	U		10	U		10	U	
Toluene	1	U		1	U		1	U		1	U		1	U	
trans-1,2-Dichloroethene	1	U		1	U		1	U		1	U		1	U	
trans-1,3-Dichloropropene	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U	
trans-1,4-Dichloro-2-butene	5	U		5	U		5	U		5	U		5	U	
Trichloroethene	1	U		1	U		38			32			1	U	
Trichlorofluoromethane	1	U		1	U		1	U		1	U		1	U	
Vinyl chloride	0.5	U		0.5	U		2.3			2			0.5	U	
Xylenes, Total	1	U		1	U		1	U		1	U		1	U	
EPH															
2-Methylnaphthalene	NA			0.98	U		0.98	U		0.98	U		0.99	U	
Acenaphthene	NA			0.98	U		0.98	U		0.98	U		0.99	U	
Acenaphthylene	NA			0.29	U		0.29	U		0.29	U		0.3	U	
Anthracene	NA			0.98	U		0.98	U		0.98	U		0.99	U	
Benzo[a]anthracene	NA			0.29	U		0.29	U		0.29	U		0.3	U	
Benzo[a]pyrene	NA			0.2	U		0.2	U		0.2	U		0.2	U	
Benzo[b]fluoranthene	NA			0.29	U		0.29	U		0.29	U		0.3	U	
Benzo[g,h,i]perylene	NA			0.49	U		0.49	U		0.49	U		0.5	U	
Benzo[k]fluoranthene	NA			0.29	U		0.29	U		0.29	U		0.3	U	
C11-C22 Aromatics	NA			98	U		98	U		98	U		99	U	
C11-C22 Aromatics (Adjusted)	NA			98	U		98	U		98	U		99	U	
C19-C36 Aliphatics	NA			98	U		98	U		98	U		99	U	
C9-C18 Aliphatics	NA			98	U		98	U		98	U		99	U	
Chrysene	NA			0.98	U		0.98	U		0.98	U		0.99	U	
Dibenz(a,h)anthracene	NA			0.44	U		0.44	U		0.44	U		0.45	U	
Fluoranthene	NA			0.98	U		0.98	U		0.98	U		0.99	U	
Fluorene	NA			0.98	U		0.98	U		0.98	U		0.99	U	
Indeno[1,2,3-cd]pyrene	NA			0.44	U		0.44	U		0.44	U		0.45	U	
Naphthalene	NA			0.98	U		1.8			1.5			0.99	U	
Phenanthrene	NA			0.2	U		0.2	U		0.2	U		0.2	U	
Pyrene	NA			0.98	U		0.98	U		0.98	U		0.99	U	
Total EPH	NA			98	U		98	U		98	U		99	U	
METALS															
Arsenic	NA			10	U		10	U		10	U		10	U	
Barium	NA			190			88			88			150		
Cadmium	NA			1	U		2.3			2.3			1	U	
Chromium	NA			5	U		8.9			8.5			24		
Lead	NA			5	U		5	U		5	U		5	U	
Selenium	NA			10	U		10	U		10	U		10	U	
Silver	NA			12	U		12	U		12	U		12	U	
Mercury	NA			0.2	U		0.2	U		0.2	U		0.2	U	

DATA SUMMARY OF LABORATORY ANALYTICAL RESULTS
SDG 360-J37900-1

Sample ID:	BC-GW-MW200A-120111			BC-GW-MW302-120111			BC-GW-MW304-120111			BC-GW-MW305-120111		
Laboratory Number:	360-37900-6			360-37900-7			360-37900-8			360-37900-9		
Sample Date:	12/1/2011			12/1/2011			12/1/2011			12/1/2011		
Duplicate of:												
	ug/L	Qual	Code	ug/L	Qual	Code	ug/L	Qual	Code	ug/L	Qual	Code
VOLATILES												
1,1,1,2-Tetrachloroethane	1	U		1	U		1	U		1	U	
1,1,1-Trichloroethane	1	U		34			1	U		5.2		
1,1,2,2-Tetrachloroethane	0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	1	U		1	U		1	U		1	U	
1,1,2-Trichloroethane	1	U		1	U		1	U		1	U	
1,1-Dichloroethane	1	U		1	U		1	U		1	U	
1,1-Dichloroethene	1	U		1.8			1	U		1	U	
1,1-Dichloropropene	1	U		1	U		1	U		1	U	
1,2,3-Trichlorobenzene	1	U		1	U		1	U		1	U	
1,2,3-Trichloropropane	1	U		1	U		1	U		1	U	
1,2,4-Trichlorobenzene	1	U		1	U		1	U		1	U	
1,2,4-Trimethylbenzene	1	U		1	U		1	U		1	U	
1,2-Dibromo-3-Chloropropane	5	U		5	U		5	U		5	U	
1,2-Dichlorobenzene	1	U		1	U		1	U		1	U	
1,2-Dichloroethane	1	U		1	U		1	U		1	U	
1,2-Dichloropropane	1	U		1	U		1	U		1	U	
1,3,5-Trimethylbenzene	1	U		1	U		1	U		1	U	
1,3-Dichlorobenzene	1	U		1	U		1	U		1	U	
1,3-Dichloropropane	1	U		1	U		1	U		1	U	
1,4-Dichlorobenzene	1	U		1	U		1	U		1	U	
2,2-Dichloropropane	1	U		1	U		1	U		1	U	
2-Butanone (MEK)	10	U		10	U		10	U		10	U	
2-Chlorotoluene	1	U		1	U		1	U		1	U	
2-Hexanone	10	U		10	U		10	U		10	U	
4-Chlorotoluene	1	U		1	U		1	U		1	U	
4-Isopropyltoluene	1	U		1	U		1	U		1	U	
4-Methyl-2-pentanone (MIBK)	10	U		10	U		10	U		10	U	
Acetone	50	U		50	U		50	U		50	U	
Acrylonitrile	0.5	U		0.5	U		0.5	U		0.5	U	
Benzene	1	U		1	U		1	U		1	U	
Bromobenzene	1	U		1	U		1	U		1	U	
Bromoform	1	U		1	U		1	U		1	U	
Bromomethane	2	U		2	U		2	U		2	U	
Carbon disulfide	10	U		10	U		10	U		10	U	
Carbon tetrachloride	1	UJ	C	1	UJ	C	1	UJ	C	1	UJ	C
Chlorobenzene	1	U		1	U		1	U		1	U	
Chlorodibromomethane	0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	2	U		2	U		2	U		2	U	
Chloroform	1	U		1	U		1	U		1	U	
Chloromethane	2	U		2	U		2	U		2	U	
cis-1,2-Dichloroethene	1	U		2			1	U		1.2		
cis-1,3-Dichloropropene	0.4	U		0.4	U		0.4	U		0.4	U	
Dibromomethane	1	U		1	U		1	U		1	U	
Dichlorobromomethane	0.5	U		0.5	U		0.5	U		0.5	U	
Dichlorodifluoromethane	1	U		1	U		1	U		1	U	
Ethylbenzene	1	U		1	U		1	U		1	U	
Ethylene Dibromide	1	U		1	U		1	U		1	U	
Hexachlorobutadiene	0.4	U		0.4	U		0.4	U		0.4	U	
Isopropylbenzene	1	U		1	U		1	U		1	U	
Methyl tert-butyl ether	1	U		1	U		1	U		1	U	
Methylene Chloride	2	U		2	U		2	U		2	U	
m-Xylene & p-Xylene	2	U		2	U		2	U		2	U	
Naphthalene	5	U		5	U		5	U		5	U	
n-Butylbenzene	1	U		1	U		1	U		1	U	
N-Propylbenzene	1	U		1	U		1	U		1	U	
o-Xylene	1	U		1	U		1	U		1	U	

Sample ID:	BC-GW-MW200A-120111			BC-GW-MW302-120111			BC-GW-MW304-120111			BC-GW-MW305-120111		
Laboratory Number:	360-37900-6			360-37900-7			360-37900-8			360-37900-9		
Sample Date:	12/1/2011			12/1/2011			12/1/2011			12/1/2011		
Duplicate of:												
	ug/L	Qual	Code	ug/L	Qual	Code	ug/L	Qual	Code	ug/L	Qual	Code
sec-Butylbenzene	1	U		1	U		1	U		1	U	
Styrene	1	U		1	U		1	U		1	U	
tert-Butylbenzene	1	U		1	U		1	U		1	U	
Tetrachloroethene	1	U		2.6			1	U		1	U	
Tetrahydrofuran	10	U		10	U		10	U		10	U	
Toluene	1	U		1	U		1	U		1	U	
trans-1,2-Dichloroethene	1	U		1	U		1	U		1	U	
trans-1,3-Dichloropropene	0.4	U		0.4	U		0.4	U		0.4	U	
trans-1,4-Dichloro-2-butene	5	U		5	U		5	U		5	U	
Trichloroethene	1	U		78			1	U		48		
Trichlorofluoromethane	1	U		1	U		1	U		1	U	
Vinyl chloride	0.5	U		0.5	U		0.5	U		0.5	U	
Xylenes, Total	1	U		1	U		1	U		1	U	
EPH												
2-Methylnaphthalene	0.96	U		0.99	U		1	U		0.97	U	
Acenaphthene	0.96	U		0.99	U		1	U		0.97	U	
Acenaphthylene	0.29	U		0.3	U		0.3	U		0.29	U	
Anthracene	0.96	U		0.99	U		1	U		0.97	U	
Benzo[a]anthracene	0.29	U		0.3	U		0.3	U		0.29	U	
Benzo[a]pyrene	0.19	U		0.2	U		0.2	U		0.19	U	
Benzo[b]fluoranthene	0.29	U		0.3	U		0.3	U		0.29	U	
Benzo[g,h,i]perylene	0.48	U		0.49	U		0.5	U		0.49	U	
Benzo[k]fluoranthene	0.29	U		0.3	U		0.3	U		0.29	U	
C11-C22 Aromatics	96	U		99	U		100	U		97	U	
C11-C22 Aromatics (Adjusted)	96	U		99	U		100	U		97	U	
C19-C36 Aliphatics	96	U		99	U		100	U		97	U	
C9-C18 Aliphatics	96	U		99	U		100	U		97	U	
Chrysene	0.96	U		0.99	U		1	U		0.97	U	
Dibenz(a,h)anthracene	0.43	U		0.44	U		0.45	U		0.44	U	
Fluoranthene	0.96	U		0.99	U		1	U		0.97	U	
Fluorene	0.96	U		0.99	U		1	U		0.97	U	
Indeno[1,2,3-cd]pyrene	0.43	U		0.44	U		0.45	U		0.44	U	
Naphthalene	0.96	U		0.99	U		1	U		0.97	U	
Phenanthrene	0.19	U		0.2	U		0.2	U		0.19	U	
Pyrene	0.96	U		0.99	U		1	U		0.97	U	
Total EPH	96	U		99	U		100	U		97	U	
METALS												
Arsenic	10	U		10	U		10	U		10	U	
Barium	120			100			170			150		
Cadmium	1	U		1	U		1	U		1	U	
Chromium	5	U		510			5	U		2100		
Lead	5	U		5	U		5	U		5	U	
Selenium	10	U		10	U		10	U		10	U	
Silver	12	U		12	U		12	U		12	U	
Mercury	0.2	U		0.2	U		0.2	U		0.2	U	

Data Qualifier Key:

J - Value is considered estimated due to exceedance of technical quality control or because result is less than the Contract Required Quantitation Limit (CRQL).

U - Value is a non-detected result as reported by the laboratory.

UJ - Non-detected result is considered estimated due to exceedance of technical quality control criteria.

Qualifier Codes:

a = Lab Blank Contamination
b = Field Blank Contamination
c = Calibration (i.e., %RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
d = MS/MSD Noncompliance
e = LSC/LSCD Noncompliance
f = Laboratory Duplicate Imprecision
g = Field Duplicate Imprecision
h = Holding Time Exceedance
i = ICP Serial Dilution Noncompliance
j = GFAA PDS – GFAA MSA's r<0.995 (correlation coefficient)
k = ICP Interference – include ICSAB %Rs
l = Instrument Calibration Range Exceedance
m = Sample Preservation
n = Internal Standard Noncompliance
o = Poor Instrument Performance (i.e. baseline drifting)
p = Uncertainty Near Detection Limit (<2 x IDL for inorganics and < CRQL for organics)
q = Other Problems (can encompass of number of issues)
r = Surrogates Recovery Noncompliance
s = Pesticide/PCB Resolution
t = % Breakdown Noncompliance for DDT and Endrin
u = Pesticide/PCB % Difference Between Columns for Positive Results
v = Non-linear Calibrations, Tuning r <0.995 (correlation coefficient)

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-TB-GW-120111**

Lab Sample ID: 360-37900-1
Client Matrix: Water

Date Sampled: 12/01/2011 0800
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22931.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 1916			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 1916				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-TB-GW-120111**

Lab Sample ID: 360-37900-1
Client Matrix: Water

Date Sampled: 12/01/2011 0800
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22931.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 1916			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 1916				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	109		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MWDUP01-120111**

Lab Sample ID: 360-37900-2
Client Matrix: Water

Date Sampled: 12/01/2011 1200
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84762	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22993.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/13/2011 1655			Final Weight/Volume:	5 mL
Prep Date:	12/13/2011 1655				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	17		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	16		1.0
1,1-Dichloroethene	2.4		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	2.2		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	31		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MWDUP01-120111**

Lab Sample ID: 360-37900-2
Client Matrix: Water

Date Sampled: 12/01/2011 1200
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84762	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22993.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/13/2011 1655			Final Weight/Volume:	5 mL
Prep Date:	12/13/2011 1655				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	1.4		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	5.2		1.0
Styrene	ND		1.0
tert-Butylbenzene	1.6		1.0
Tetrachloroethene	1.6		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	32		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	2.0		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	105		70 - 130
Dibromofluoromethane	109		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW25-120111**

Lab Sample ID: 360-37900-3
Client Matrix: Water

Date Sampled: 12/01/2011 1220
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22933.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 1959			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 1959				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW25-120111**

Lab Sample ID: 360-37900-3
Client Matrix: Water

Date Sampled: 12/01/2011 1220
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22933.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 1959			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 1959				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	108		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW06-120111**

Lab Sample ID: 360-37900-4
Client Matrix: Water

Date Sampled: 12/01/2011 1045
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22934.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2021			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2021				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	20		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	19		1.0
1,1-Dichloroethene	2.7		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	2.4		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	36		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW06-120111**

Lab Sample ID: 360-37900-4
Client Matrix: Water

Date Sampled: 12/01/2011 1045
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22934.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2021			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2021				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	1.6		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	6.0		1.0
Styrene	ND		1.0
tert-Butylbenzene	1.9		1.0
Tetrachloroethene	1.9		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	38		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	2.3		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	106		70 - 130
Dibromofluoromethane	110		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW301-120111**

Lab Sample ID: 360-37900-5
Client Matrix: Water

Date Sampled: 12/01/2011 1215
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22935.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2043			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2043				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW301-120111**

Lab Sample ID: 360-37900-5
Client Matrix: Water

Date Sampled: 12/01/2011 1215
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22935.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2043			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2043				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	109		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW200A-120111**

Lab Sample ID: 360-37900-6
Client Matrix: Water

Date Sampled: 12/01/2011 0845
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22936.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2104			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2104				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW200A-120111**

Lab Sample ID: 360-37900-6
Client Matrix: Water

Date Sampled: 12/01/2011 0845
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22936.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2104			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2104				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane	108		70 - 130
Toluene-d8 (Surr)	104		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW302-120111**

Lab Sample ID: 360-37900-7
Client Matrix: Water

Date Sampled: 12/01/2011 1031
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22937.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2126			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2126				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	34		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	1.8		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	2.0		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW302-120111**

Lab Sample ID: 360-37900-7
Client Matrix: Water

Date Sampled: 12/01/2011 1031
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22937.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2126			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2126				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	2.6		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	78		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	110		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW304-120111**

Lab Sample ID: 360-37900-8
Client Matrix: Water

Date Sampled: 12/01/2011 1410
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22938.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2148			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2148				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW304-120111**

Lab Sample ID: 360-37900-8
Client Matrix: Water

Date Sampled: 12/01/2011 1410
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22938.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2148			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2148				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	111		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW305-120111**

Lab Sample ID: 360-37900-9
Client Matrix: Water

Date Sampled: 12/01/2011 1450
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22939.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2210			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2210				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	5.2		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	1.2		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW305-120111**

Lab Sample ID: 360-37900-9
Client Matrix: Water

Date Sampled: 12/01/2011 1450
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22939.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2210			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2210				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	48		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	110		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MWDUP01-120111**

Lab Sample ID: 360-37900-2
Client Matrix: Water

Date Sampled: 12/01/2011 1200
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1025 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 1743			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.98
Acenaphthylene	ND		0.29
Anthracene	ND		0.98
Benzo[a]anthracene	ND		0.29
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.29
Benzo[g,h,i]perylene	ND		0.49
Benzo[k]fluoranthene	ND		0.29
Chrysene	ND		0.98
Dibenz(a,h)anthracene	ND		0.44
Fluoranthene	ND		0.98
Fluorene	ND		0.98
Indeno[1,2,3-cd]pyrene	ND		0.44
2-Methylnaphthalene	ND		0.98
Naphthalene	1.5		0.98
Phenanthrene	ND		0.20
Pyrene	ND		0.98
C11-C22 Aromatics	ND		98
C11-C22 Aromatics (Adjusted)	ND		98
C19-C36 Aliphatics	ND		98
C9-C18 Aliphatics	ND		98
Total EPH	ND		98

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	86		40 - 140
2-Fluorobiphenyl	85		40 - 140
o-Terphenyl	80		40 - 140
1-Chlorooctadecane	72		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW25-120111**

Lab Sample ID: 360-37900-3
Client Matrix: Water

Date Sampled: 12/01/2011 1220
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1025 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 1817			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.98
Acenaphthylene	ND		0.29
Anthracene	ND		0.98
Benzo[a]anthracene	ND		0.29
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.29
Benzo[g,h,i]perylene	ND		0.49
Benzo[k]fluoranthene	ND		0.29
Chrysene	ND		0.98
Dibenz(a,h)anthracene	ND		0.44
Fluoranthene	ND		0.98
Fluorene	ND		0.98
Indeno[1,2,3-cd]pyrene	ND		0.44
2-Methylnaphthalene	ND		0.98
Naphthalene	ND		0.98
Phenanthrene	ND		0.20
Pyrene	ND		0.98
C11-C22 Aromatics	ND		98
C11-C22 Aromatics (Adjusted)	ND		98
C19-C36 Aliphatics	ND		98
C9-C18 Aliphatics	ND		98
Total EPH	ND		98

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	81		40 - 140
2-Fluorobiphenyl	81		40 - 140
o-Terphenyl	83		40 - 140
1-Chlorooctadecane	78		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW06-120111**

Lab Sample ID: 360-37900-4
Client Matrix: Water

Date Sampled: 12/01/2011 1045
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1020 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 1851			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.98
Acenaphthylene	ND		0.29
Anthracene	ND		0.98
Benzo[a]anthracene	ND		0.29
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.29
Benzo[g,h,i]perylene	ND		0.49
Benzo[k]fluoranthene	ND		0.29
Chrysene	ND		0.98
Dibenz(a,h)anthracene	ND		0.44
Fluoranthene	ND		0.98
Fluorene	ND		0.98
Indeno[1,2,3-cd]pyrene	ND		0.44
2-Methylnaphthalene	ND		0.98
Naphthalene	1.8		0.98
Phenanthrene	ND		0.20
Pyrene	ND		0.98
C11-C22 Aromatics	ND		98
C11-C22 Aromatics (Adjusted)	ND		98
C19-C36 Aliphatics	ND		98
C9-C18 Aliphatics	ND		98
Total EPH	ND		98

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	79		40 - 140
2-Fluorobiphenyl	78		40 - 140
o-Terphenyl	79		40 - 140
1-Chlorooctadecane	77		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW301-120111**

Lab Sample ID: 360-37900-5
Client Matrix: Water

Date Sampled: 12/01/2011 1215
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1010 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 2033			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.99
Acenaphthylene	ND		0.30
Anthracene	ND		0.99
Benzo[a]anthracene	ND		0.30
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.30
Benzo[g,h,i]perylene	ND		0.50
Benzo[k]fluoranthene	ND		0.30
Chrysene	ND		0.99
Dibenz(a,h)anthracene	ND		0.45
Fluoranthene	ND		0.99
Fluorene	ND		0.99
Indeno[1,2,3-cd]pyrene	ND		0.45
2-Methylnaphthalene	ND		0.99
Naphthalene	ND		0.99
Phenanthrene	ND		0.20
Pyrene	ND		0.99
C11-C22 Aromatics	ND		99
C11-C22 Aromatics (Adjusted)	ND		99
C19-C36 Aliphatics	ND		99
C9-C18 Aliphatics	ND		99
Total EPH	ND		99

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	81		40 - 140
2-Fluorobiphenyl	81		40 - 140
o-Terphenyl	89		40 - 140
1-Chlorooctadecane	93		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW200A-120111**

Lab Sample ID: 360-37900-6
Client Matrix: Water

Date Sampled: 12/01/2011 0845
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 2108			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.96
Acenaphthylene	ND		0.29
Anthracene	ND		0.96
Benzo[a]anthracene	ND		0.29
Benzo[a]pyrene	ND		0.19
Benzo[b]fluoranthene	ND		0.29
Benzo[g,h,i]perylene	ND		0.48
Benzo[k]fluoranthene	ND		0.29
Chrysene	ND		0.96
Dibenz(a,h)anthracene	ND		0.43
Fluoranthene	ND		0.96
Fluorene	ND		0.96
Indeno[1,2,3-cd]pyrene	ND		0.43
2-Methylnaphthalene	ND		0.96
Naphthalene	ND		0.96
Phenanthrene	ND		0.19
Pyrene	ND		0.96
C11-C22 Aromatics	ND		96
C11-C22 Aromatics (Adjusted)	ND		96
C19-C36 Aliphatics	ND		96
C9-C18 Aliphatics	ND		96
Total EPH	ND		96

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	83		40 - 140
2-Fluorobiphenyl	82		40 - 140
o-Terphenyl	89		40 - 140
1-Chlorooctadecane	90		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW302-120111**

Lab Sample ID: 360-37900-7
Client Matrix: Water

Date Sampled: 12/01/2011 1031
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1015 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 2141			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.99
Acenaphthylene	ND		0.30
Anthracene	ND		0.99
Benzo[a]anthracene	ND		0.30
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.30
Benzo[g,h,i]perylene	ND		0.49
Benzo[k]fluoranthene	ND		0.30
Chrysene	ND		0.99
Dibenz(a,h)anthracene	ND		0.44
Fluoranthene	ND		0.99
Fluorene	ND		0.99
Indeno[1,2,3-cd]pyrene	ND		0.44
2-Methylnaphthalene	ND		0.99
Naphthalene	ND		0.99
Phenanthrene	ND		0.20
Pyrene	ND		0.99
C11-C22 Aromatics	ND		99
C11-C22 Aromatics (Adjusted)	ND		99
C19-C36 Aliphatics	ND		99
C9-C18 Aliphatics	ND		99
Total EPH	ND		99

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	84		40 - 140
2-Fluorobiphenyl	84		40 - 140
o-Terphenyl	80		40 - 140
1-Chlorooctadecane	78		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW304-120111**

Lab Sample ID: 360-37900-8
Client Matrix: Water

Date Sampled: 12/01/2011 1410
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 2216			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		1.0
Acenaphthylene	ND		0.30
Anthracene	ND		1.0
Benzo[a]anthracene	ND		0.30
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.30
Benzo[g,h,i]perylene	ND		0.50
Benzo[k]fluoranthene	ND		0.30
Chrysene	ND		1.0
Dibenz(a,h)anthracene	ND		0.45
Fluoranthene	ND		1.0
Fluorene	ND		1.0
Indeno[1,2,3-cd]pyrene	ND		0.45
2-Methylnaphthalene	ND		1.0
Naphthalene	ND		1.0
Phenanthrene	ND		0.20
Pyrene	ND		1.0
C11-C22 Aromatics	ND		100
C11-C22 Aromatics (Adjusted)	ND		100
C19-C36 Aliphatics	ND		100
C9-C18 Aliphatics	ND		100
Total EPH	ND		100

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	82		40 - 140
2-Fluorobiphenyl	82		40 - 140
o-Terphenyl	84		40 - 140
1-Chlorooctadecane	84		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW305-120111**

Lab Sample ID: 360-37900-9
Client Matrix: Water

Date Sampled: 12/01/2011 1450
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 2250			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.97
Acenaphthylene	ND		0.29
Anthracene	ND		0.97
Benzo[a]anthracene	ND		0.29
Benzo[a]pyrene	ND		0.19
Benzo[b]fluoranthene	ND		0.29
Benzo[g,h,i]perylene	ND		0.49
Benzo[k]fluoranthene	ND		0.29
Chrysene	ND		0.97
Dibenz(a,h)anthracene	ND		0.44
Fluoranthene	ND		0.97
Fluorene	ND		0.97
Indeno[1,2,3-cd]pyrene	ND		0.44
2-Methylnaphthalene	ND		0.97
Naphthalene	ND		0.97
Phenanthrene	ND		0.19
Pyrene	ND		0.97
C11-C22 Aromatics	ND		97
C11-C22 Aromatics (Adjusted)	ND		97
C19-C36 Aliphatics	ND		97
C9-C18 Aliphatics	ND		97
Total EPH	ND		97

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	80		40 - 140
2-Fluorobiphenyl	79		40 - 140
o-Terphenyl	83		40 - 140
1-Chlorooctadecane	84		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MWDUP01-120111**

Lab Sample ID: 360-37900-2
Client Matrix: Water

Date Sampled: 12/01/2011 1200
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1610			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	88		10
Cadmium	2.3		1.0
Chromium	8.5		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1322			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW25-120111**

Lab Sample ID: 360-37900-3
Client Matrix: Water

Date Sampled: 12/01/2011 1220
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1613			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	190		10
Cadmium	ND		1.0
Chromium	ND		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1324			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW06-120111**

Lab Sample ID: 360-37900-4
Client Matrix: Water

Date Sampled: 12/01/2011 1045
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1556			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	88		10
Cadmium	2.3		1.0
Chromium	8.9		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1310			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW301-120111**

Lab Sample ID: 360-37900-5
Client Matrix: Water

Date Sampled: 12/01/2011 1215
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1616			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	150		10
Cadmium	ND		1.0
Chromium	24		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1330			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW200A-120111**

Lab Sample ID: 360-37900-6
Client Matrix: Water

Date Sampled: 12/01/2011 0845
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1619			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	120		10
Cadmium	ND		1.0
Chromium	ND		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1332			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW302-120111**

Lab Sample ID: 360-37900-7
Client Matrix: Water

Date Sampled: 12/01/2011 1031
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1628			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	100		10
Cadmium	ND		1.0
Chromium	510		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1333			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW304-120111**

Lab Sample ID: 360-37900-8
Client Matrix: Water

Date Sampled: 12/01/2011 1410
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1631			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	170		10
Cadmium	ND		1.0
Chromium	ND		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1335			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW305-120111**

Lab Sample ID: 360-37900-9
Client Matrix: Water

Date Sampled: 12/01/2011 1450
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1634			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	150		10
Cadmium	ND		1.0
Chromium	2100		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1337			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

APPENDIX C

SUPPORT DOCUMENTATION

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information
Client Contact: Keith Westberry
Company: ETech
Address: PO BOX 2426
City: Lindale
State, Zip: TX 75771
Phone: 903 881-8309
Email: Keith@ETech.com
Project Name/number: Boston + Corbin
Site: Southington CT

Sampler: R Clark
Phone: 8606173948
Due Date Requested: Contact
TAT Requested (days): Keith
Quote #:
PO #:
WO #:
SSOW#:

Lab PM:
E-Mail:
Carrier Tracking No(s):

COC No:
Page:
Job #:

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
H - Ascorbic Acid
I - Ice
J - DI Water
M - Hexane
N - None
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
Z - other (specify)

Regulatory programs:
MCP ☐ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC (A)	EPH (A)	RCRA 8 total Metals (D)	Total Number of containers	Special Instructions/Note:
	Preservation Code:											
BC-TB-GW-120111	12-7-11	0800	G	W				✓				
BC-GW-MWDUP01-120111		0000	G	W				✓	✓	✓		
BC-GW-MW25-120111		1220						✓	✓	✓		
BC-GW-MW06-120111		1045						✓	✓	✓		LAB QC-MS/MSD
BC-GW-MW301-120111		1215						✓	✓	✓		
BC-GW-MW200A-120111		0845						✓	✓	✓		
BC-GW-MW302-120111		1031						✓	✓	✓		
BC-GW-MW304-120111		1410						✓	✓	✓		
BC-GW-MW305-120111	✓	1450	✓	✓				✓	✓	✓		

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	12/1/11 1530		[signature]	12/1/11 1530	TA
2	[signature]	12/1/11 1705	TA	[signature]	12/1/11 1705	
3						

Custody Seals Intact: △ Yes △ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2 / 0.7 / ice

CASE NARRATIVE

Client: Etech Environmental & Safety Solutions

Project: Beaton & Corbin Factory Site

Report Number: 360-37900-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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 12/01/2011; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.2 and 0.7 C.

Regarding questions 5a and 5b on the CT RCP certification form, the laboratory has evaluated reporting limits against the most stringent class criteria in the absence of a specified class on the chain-of-custody.

The LCS Duplicate (LCSD) is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples BC-TB-GW-120111 (360-37900-1), BC-GW-MWDUP01-120111 (360-37900-2), BC-GW-MW25-120111 (360-37900-3), BC-GW-MW06-120111 (360-37900-4), BC-GW-MW301-120111 (360-37900-5), BC-GW-MW200A-120111 (360-37900-6), BC-GW-MW302-120111 (360-37900-7), BC-GW-MW304-120111 (360-37900-8) and BC-GW-MW305-120111 (360-37900-9) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B (RCP). The samples were analyzed on 12/08/2011 and 12/13/2011.

Carbon disulfide and Carbon tetrachloride failed the recovery criteria high for LCS 360-84486/3. Carbon disulfide failed the recovery criteria high for LCS 360-84762/3. Refer to the QC report for details.

1,1,1-Trichloroethane, 2,2-Dichloropropane and Carbon tetrachloride failed the recovery criteria high for the MS of sample BC-GW-MW06-120111 (360-37900-4) in batch 360-84486. 2,2-Dichloropropane and Carbon tetrachloride failed the recovery criteria high for the MSD of sample BC-GW-MW06-120111 (360-37900-4) in batch 360-84486. Refer to the QC report for details.

For batches 84486 and 84762, Carbon tetrachloride failed the continuing calibration verification (CCV) criteria high.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS - LOW LEVEL

Samples BC-GW-MWDUP01-120111 (360-37900-2), BC-GW-MW25-120111 (360-37900-3), BC-GW-MW06-120111 (360-37900-4), BC-GW-MW301-120111 (360-37900-5), BC-GW-MW200A-120111 (360-37900-6), BC-GW-MW302-120111 (360-37900-7), BC-GW-MW304-120111 (360-37900-8) and BC-GW-MW305-120111 (360-37900-9) were analyzed for extractable petroleum hydrocarbons - low level in accordance with MA DEP MA-EPH-LL. The samples were prepared on 12/08/2011 and analyzed on 12/13/2011.

The samples submitted for MA DEP EPH analysis were received with sufficient preservation (pH <2).

n-Decane failed the recovery criteria low for LCS 360-84516/2-A. Refer to the QC report for details.

Dodecane, n-Decane and n-Nonane failed the recovery criteria low for the MS and MSD of sample BC-GW-MW06-120111 (360-37900-4) in batch 360-84720. Refer to the QC report for details.

According to EPH method reference 11.2.6.2, using GC/MS, the laboratory has identified a single component contaminant that appears at the same retention time in all laboratory and field samples. This contaminant is derived from the method's SPE cartridge and is not

included in the calculation of the C11-C22 Aromatics range.

No other difficulties were encountered during the EPH - low level analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples BC-GW-MWDUP01-120111 (360-37900-2), BC-GW-MW25-120111 (360-37900-3), BC-GW-MW06-120111 (360-37900-4), BC-GW-MW301-120111 (360-37900-5), BC-GW-MW200A-120111 (360-37900-6), BC-GW-MW302-120111 (360-37900-7), BC-GW-MW304-120111 (360-37900-8) and BC-GW-MW305-120111 (360-37900-9) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 12/02/2011.

The ICSAB for batch 84305 exceeded the acceptance limits for target elements. The sample cup went dry before the standard was finished reading on the instrument. The ICSA was in control for all elements. The system was proven to be in control with the opening ICSA/AB.

No difficulties were encountered during the total metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples BC-GW-MWDUP01-120111 (360-37900-2), BC-GW-MW25-120111 (360-37900-3), BC-GW-MW06-120111 (360-37900-4), BC-GW-MW301-120111 (360-37900-5), BC-GW-MW200A-120111 (360-37900-6), BC-GW-MW302-120111 (360-37900-7), BC-GW-MW304-120111 (360-37900-8) and BC-GW-MW305-120111 (360-37900-9) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A (RCP). The samples were prepared and analyzed on 12/07/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCVIS 360-84486/2 Calibration Date: 12/08/2011 13:46

Instrument ID: Agilent#2 GC/MS Calib Start Date: 11/29/2011 19:37

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/29/2011 22:31

Lab File ID: V22917.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	Ave	0.1683	0.1700		20.2	20.0	1.0	30.0
Chloromethane	Ave	0.2324	0.1975	0.1000	17.0	20.0	-15.0	30.0
Vinyl chloride	Ave	0.1915	0.1917		20.0	20.0	0.0	20.0
Bromomethane	Ave	0.1260	0.1408		22.3	20.0	11.7	30.0
Chloroethane	Ave	0.1025	0.0974		19.0	20.0	-5.1	30.0
Trichlorofluoromethane	Ave	0.2661	0.3295		24.8	20.0	23.9	30.0
1,1-Dichloroethene	Ave	0.1950	0.2089		21.4	20.0	7.1	20.0
Carbon disulfide	Ave	0.5595	0.5373		19.2	20.0	-4.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1415	0.1778		25.1	20.0	25.6	30.0
Methylene Chloride	Lin1		0.2878		22.7	20.0	13.5	30.0
Acetone	Ave	1.325	1.294		195	200	-2.3	30.0
trans-1,2-Dichloroethene	Ave	0.3407	0.3517		20.6	20.0	3.2	30.0
Methyl acetate	Ave	0.2500	0.2257		181	200	-9.7	30.0
Methyl tert-butyl ether	Ave	0.6669	0.7266		21.8	20.0	8.9	30.0
1,1-Dichloroethane	Ave	0.4274	0.4432	0.1000	20.7	20.0	3.7	30.0
Acrylonitrile	Ave	0.1175	0.1161		19.8	20.0	-1.2	30.0
cis-1,2-Dichloroethene	Ave	0.3417	0.3432		20.1	20.0	0.4	30.0
2,2-Dichloropropane	Lin1		0.2681		24.6	20.0	23.0	30.0
Chloroform	Ave	0.4519	0.4837		21.4	20.0	7.0	20.0
Carbon tetrachloride	Ave	0.2572	0.3635		28.3	20.0	41.3*	30.0
Tetrahydrofuran	Ave	0.1262	0.1159		184	200	-8.1	30.0
1,1,1-Trichloroethane	Lin1		0.3945		24.9	20.0	24.5	30.0
2-Butanone (MEK)	Ave	2.299	2.069		180	200	-10.0	30.0
1,1-Dichloropropene	Ave	0.3191	0.3569		22.4	20.0	11.8	30.0
Benzene	Ave	0.9508	1.023		21.5	20.0	7.6	30.0
1,2-Dichloroethane	Ave	0.2615	0.2883		22.1	20.0	10.3	30.0
Methylcyclohexane	Ave	0.2996	0.3331		22.2	20.0	11.2	30.0
Trichloroethene	Ave	0.2178	0.2457		22.6	20.0	12.8	30.0
Dibromomethane	Ave	0.1470	0.1636		22.3	20.0	11.3	30.0
1,2-Dichloropropane	Ave	0.2098	0.2077		19.8	20.0	-1.0	20.0
Dichlorobromomethane	Ave	0.2529	0.2917		23.1	20.0	15.4	30.0
cis-1,3-Dichloropropene	Ave	0.2965	0.3336		22.5	20.0	12.5	30.0
Toluene	Ave	0.4567	0.5059		22.2	20.0	10.8	20.0
Tetrachloroethene	Ave	0.2172	0.2721		25.1	20.0	25.3	30.0
4-Methyl-2-pentanone (MIBK)	Ave	3.643	3.242		178	200	-11.0	30.0
trans-1,3-Dichloropropene	Ave	0.2707	0.3145		23.2	20.0	16.2	30.0
1,1,2-Trichloroethane	Ave	0.1754	0.1840		21.0	20.0	4.9	30.0
Chlorodibromomethane	Lin1		0.2666		24.4	20.0	22.0	30.0
1,3-Dichloropropane	Ave	0.2904	0.3107		21.4	20.0	7.0	30.0
Ethylene Dibromide	Ave	0.2117	0.2461		23.3	20.0	16.3	30.0

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: R402071.D

Lab ID: 360-37900-4 MS Client ID: BC-GW-MW06-120111 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acenaphthene	97.1	ND	73.0	75	40-140	
Acenaphthylene	97.1	ND	73.0	75	40-140	
Anthracene	97.1	ND	91.3	94	40-140	
Benzo[a]anthracene	97.1	ND	97.9	101	40-140	
Benzo[a]pyrene	97.1	ND	96.7	100	40-140	
Benzo[b]fluoranthene	97.1	ND	103	106	40-140	
Benzo[g,h,i]perylene	97.1	ND	105	108	40-140	
Benzo[k]fluoranthene	97.1	ND	99.4	102	40-140	
Chrysene	97.1	ND	95.1	98	40-140	
Dibenz(a,h)anthracene	97.1	ND	100	103	40-140	
Fluoranthene	97.1	ND	90.5	93	40-140	
Fluorene	97.1	ND	82.1	85	40-140	
Indeno[1,2,3-cd]pyrene	97.1	ND	109	112	40-140	
2-Methylnaphthalene	97.1	ND	64.5	66	40-140	
Naphthalene	97.1	1.8	56.9	57	40-140	
Phenanthrene	97.1	ND	86.0	89	40-140	
Pyrene	97.1	ND	86.8	89	40-140	
C11-C22 Aromatics	1650	ND	1520	92	40-140	
C19-C36 Aliphatics	777	ND	597	77	40-140	
C9-C18 Aliphatics	583	ND	286	49	40-140	
C19	97.1	ND	78.6	81	40-140	
Dodecane	97.1	ND	31.7	33	40-140	F
Hexadecane	97.1	ND	70.3	72	40-140	
icosane	97.1	ND	79.6	82	40-140	
n-Decane	97.1	2.4	11.1	9	40-140	F
n-Docosane	97.1	ND	75.7	78	40-140	
n-Hexacosane	97.1	ND	83.3	86	40-140	
n-Hexatriacontane	97.1	ND	84.9	87	40-140	
n-Nonane	97.1	ND	7.77	8	30-140	F
n-Octacosane	97.1	ND	74.4	77	40-140	
n-Octadecane	97.1	ND	76.1	78	40-140	
n-Tetracosane	97.1	ND	76.5	79	40-140	
n-Tetradecane	97.1	ND	55.9	58	40-140	
Triacontane	97.1	ND	81.0	83	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH-LL

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: R402073.D

Lab ID: 360-37900-4 MSD Client ID: BC-GW-MW06-120111 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	95.7	64.5	67	12	50	40-140	
Acenaphthylene	95.7	65.5	68	11	50	40-140	
Anthracene	95.7	80.8	84	12	50	40-140	
Benzo[a]anthracene	95.7	85.6	89	13	50	40-140	
Benzo[a]pyrene	95.7	84.6	88	13	50	40-140	
Benzo[b]fluoranthene	95.7	91.3	95	12	50	40-140	
Benzo[g,h,i]perylene	95.7	92.2	96	13	50	40-140	
Benzo[k]fluoranthene	95.7	85.4	89	15	50	40-140	
Chrysene	95.7	83.1	87	14	50	40-140	
Dibenz(a,h)anthracene	95.7	87.3	91	14	50	40-140	
Fluoranthene	95.7	79.8	83	13	50	40-140	
Fluorene	95.7	73.9	77	11	50	40-140	
Indeno[1,2,3-cd]pyrene	95.7	95.7	100	13	50	40-140	
2-Methylnaphthalene	95.7	56.1	59	14	50	40-140	
Naphthalene	95.7	52.1	53	9	50	40-140	
Phenanthrene	95.7	76.6	80	12	50	40-140	
Pyrene	95.7	76.6	80	13	50	40-140	
C11-C22 Aromatics	1630	1350	83	12	50	40-140	
C19-C36 Aliphatics	766	571	75	4	50	40-140	
C9-C18 Aliphatics	574	305	53	6	50	40-140	
C19	95.7	74.6	78	5	50	40-140	
Dodecane	95.7	31.2	33	1	50	40-140	F
Hexadecane	95.7	67.2	70	5	50	40-140	
icosane	95.7	75.6	79	5	50	40-140	
n-Decane	95.7	14.8	13	29	50	40-140	F
n-Docosane	95.7	71.8	75	5	50	40-140	
n-Hexacosane	95.7	78.7	82	6	50	40-140	
n-Hexatriacontane	95.7	84.4	88	1	50	40-140	
n-Nonane	95.7	11.6	12	40	50	30-140	F
n-Octacosane	95.7	70.2	73	6	50	40-140	
n-Octadecane	95.7	72.7	76	5	50	40-140	
n-Tetracosane	95.7	72.3	76	6	50	40-140	
n-Tetradecane	95.7	53.2	56	5	50	40-140	
Triacontane	95.7	76.9	80	5	50	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH-LL

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22941.D

Lab ID: 360-37900-4 MSD Client ID: BC-GW-MW06-120111 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	22.0	110	4	30	70-130	
1,1,1-Trichloroethane	20.0	43.8	121	5	30	70-130	
1,1,2,2-Tetrachloroethane	20.0	16.3	82	0	30	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.6	98	3	30	70-130	
1,1,2-Trichloroethane	20.0	20.6	103	7	30	70-130	
1,1-Dichloroethane	20.0	37.7	95	4	30	70-130	
1,1-Dichloroethene	20.0	24.9	111	7	30	70-130	
1,1-Dichloropropene	20.0	20.9	105	5	30	70-130	
1,2,3-Trichlorobenzene	20.0	19.5	98	1	30	70-130	
1,2,3-Trichloropropane	20.0	20.7	104	1	30	70-130	
1,2,4-Trichlorobenzene	20.0	20.6	103	1	30	70-130	
1,2,4-Trimethylbenzene	20.0	19.9	100	3	30	70-130	
1,2-Dibromo-3-Chloropropane	20.0	19.3	97	3	30	70-130	
1,2-Dichlorobenzene	20.0	21.3	94	3	30	70-130	
1,2-Dichloroethane	20.0	22.1	111	3	30	70-130	
1,2-Dichloropropane	20.0	18.4	92	4	30	70-130	
1,3,5-Trimethylbenzene	20.0	19.8	99	3	30	70-130	
1,3-Dichlorobenzene	20.0	21.7	109	3	30	70-130	
1,3-Dichloropropane	20.0	20.2	101	1	30	70-130	
1,4-Dichlorobenzene	20.0	19.4	97	5	30	70-130	
2,2-Dichloropropane	20.0	26.3	132	3	30	70-130	F
2-Butanone (MEK)	200	173	87	1	30	70-130	
2-Chlorotoluene	20.0	19.5	98	2	30	70-130	
2-Hexanone	200	177	88	1	30	70-130	
4-Chlorotoluene	20.0	19.3	97	4	30	70-130	
4-Isopropyltoluene	20.0	21.8	109	4	30	70-130	
4-Methyl-2-pentanone (MIBK)	200	181	90	2	30	70-130	
Acetone	200	185	92	0	30	70-130	
Acrylonitrile	20.0	19.0	95	2	30	70-130	
Benzene	20.0	20.6	103	4	30	70-130	
Bromobenzene	20.0	17.9	90	2	30	70-130	
Bromoform	20.0	18.1	91	0	30	70-130	
Bromomethane	20.0	22.2	111	2	30	70-130	
Carbon disulfide	20.0	23.4	117	5	30	70-130	
Carbon tetrachloride	20.0	27.6	138	5	30	70-130	F
Chlorobenzene	20.0	20.3	102	1	30	70-130	
Chlorodibromomethane	20.0	21.9	110	1	30	70-130	
Chloroethane	20.0	19.8	99	6	30	70-130	
Chloroform	20.0	21.4	107	1	30	70-130	
Chloromethane	20.0	16.5	83	3	30	70-130	
cis-1,2-Dichloroethene	20.0	52.0	79	4	30	70-130	

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.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22940.D

Lab ID: 360-37900-4 MS Client ID: BC-GW-MW06-120111 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	ND	22.8	114	70-130	
1,1,1-Trichloroethane	20.0	20	46.0	132	70-130	F
1,1,2,2-Tetrachloroethane	20.0	ND	16.3	82	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	ND	20.2	101	70-130	
1,1,2-Trichloroethane	20.0	ND	22.0	110	70-130	
1,1-Dichloroethane	20.0	19	39.4	103	70-130	
1,1-Dichloroethene	20.0	2.7	26.6	119	70-130	
1,1-Dichloropropene	20.0	ND	22.0	110	70-130	
1,2,3-Trichlorobenzene	20.0	ND	19.6	98	70-130	
1,2,3-Trichloropropane	20.0	ND	20.5	103	70-130	
1,2,4-Trichlorobenzene	20.0	ND	20.9	105	70-130	
1,2,4-Trimethylbenzene	20.0	ND	20.6	103	70-130	
1,2-Dibromo-3-Chloropropane	20.0	ND	19.8	99	70-130	
1,2-Dichlorobenzene	20.0	2.4	21.9	97	70-130	
1,2-Dichloroethane	20.0	ND	22.8	114	70-130	
1,2-Dichloropropane	20.0	ND	19.2	96	70-130	
1,3,5-Trimethylbenzene	20.0	ND	20.5	103	70-130	
1,3-Dichlorobenzene	20.0	ND	22.4	112	70-130	
1,3-Dichloropropane	20.0	ND	20.4	102	70-130	
1,4-Dichlorobenzene	20.0	ND	20.4	102	70-130	
2,2-Dichloropropane	20.0	ND	27.2	136	70-130	F
2-Butanone (MEK)	200	ND	171	85	70-130	
2-Chlorotoluene	20.0	ND	19.9	100	70-130	
2-Hexanone	200	ND	178	89	70-130	
4-Chlorotoluene	20.0	ND	20.0	100	70-130	
4-Isopropyltoluene	20.0	ND	22.6	113	70-130	
4-Methyl-2-pentanone (MIBK)	200	ND	178	89	70-130	
Acetone	200	ND	185	92	70-130	
Acrylonitrile	20.0	ND	19.4	97	70-130	
Benzene	20.0	ND	21.5	108	70-130	
Bromobenzene	20.0	ND	18.2	91	70-130	
Bromoform	20.0	ND	18.1	91	70-130	
Bromomethane	20.0	ND	22.6	113	70-130	
Carbon disulfide	20.0	ND	24.6	123	70-130	
Carbon tetrachloride	20.0	ND	29.1	146	70-130	F
Chlorobenzene	20.0	ND	20.5	103	70-130	
Chlorodibromomethane	20.0	ND	22.2	111	70-130	
Chloroethane	20.0	ND	21.0	105	70-130	
Chloroform	20.0	ND	21.7	109	70-130	
Chloromethane	20.0	ND	17.0	85	70-130	
cis-1,2-Dichloroethene	20.0	36	54.0	89	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: R402063.D

Lab ID: LCSD 360-84516/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	100	76.2	76	5	25	40-140	
Acenaphthylene	100	76.6	77	6	25	40-140	
Anthracene	100	90.0	90	8	25	40-140	
Benzo[a]anthracene	100	96.0	96	10	25	40-140	
Benzo[a]pyrene	100	97.2	97	8	25	40-140	
Benzo[b]fluoranthene	100	103	103	13	25	40-140	
Benzo[g,h,i]perylene	100	110	110	7	25	40-140	
Benzo[k]fluoranthene	100	99.0	99	6	25	40-140	
Chrysene	100	93.8	94	10	25	40-140	
Dibenz(a,h)anthracene	100	105	105	5	25	40-140	
Fluoranthene	100	88.2	88	10	25	40-140	
Fluorene	100	83.2	83	7	25	40-140	
Indeno[1,2,3-cd]pyrene	100	111	111	10	25	40-140	
2-Methylnaphthalene	100	72.4	72	6	25	40-140	
Naphthalene	100	65.0	65	7	25	40-140	
Phenanthrene	100	84.8	85	9	25	40-140	
Pyrene	100	84.8	85	9	25	40-140	
C11-C22 Aromatics	1700	1540	91	8	25	40-140	
C19-C36 Aliphatics	800	658	82	13	25	40-140	
C9-C18 Aliphatics	600	310	52	2	25	40-140	
C19	100	86.0	86	2	25	40-140	
Dodecane	100	49.6	50	8	25	40-140	
Hexadecane	100	79.6	80	2	25	40-140	
icosane	100	80.0	80	2	25	40-140	
n-Decane	100	32.4	32	16	25	40-140	
n-Docosane	100	82.0	82	2	25	40-140	
n-Hexacosane	100	90.0	90	2	25	40-140	
n-Hexatriacontane	100	105	105	4	25	40-140	
n-Nonane	100	28.0	28	18	25	30-140	
n-Octacosane	100	80.4	80	2	25	40-140	
n-Octadecane	100	84.0	84	2	25	40-140	
n-Tetracosane	100	82.6	83	2	25	40-140	
n-Tetradecane	100	66.6	67	3	25	40-140	
Triacontane	100	88.2	88	2	25	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH-LL

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: R402061.D

Lab ID: LCS 360-84516/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	100	80.4	80	40-140	
Acenaphthylene	100	81.4	81	40-140	
Anthracene	100	97.8	98	40-140	
Benzo[a]anthracene	100	106	106	40-140	
Benzo[a]pyrene	100	105	105	40-140	
Benzo[b]fluoranthene	100	117	117	40-140	
Benzo[g,h,i]perylene	100	118	118	40-140	
Benzo[k]fluoranthene	100	105	105	40-140	
Chrysene	100	103	103	40-140	
Dibenz(a,h)anthracene	100	110	110	40-140	
Fluoranthene	100	97.0	97	40-140	
Fluorene	100	89.0	89	40-140	
Indeno[1,2,3-cd]pyrene	100	124	124	40-140	
2-Methylnaphthalene	100	77.0	77	40-140	
Naphthalene	100	69.8	70	40-140	
Phenanthrene	100	93.2	93	40-140	
Pyrene	100	93.0	93	40-140	
C11-C22 Aromatics	1700	1670	98	40-140	
C19-C36 Aliphatics	800	751	94	40-140	
C9-C18 Aliphatics	600	317	53	40-140	
C19	100	88.0	88	40-140	
Dodecane	100	53.8	54	40-140	
Hexadecane	100	81.0	81	40-140	
icosane	100	82.0	82	40-140	
n-Decane	100	38.2	38	40-140	*
n-Docosane	100	84.0	84	40-140	
n-Hexacosane	100	92.2	92	40-140	
n-Hexatriacontane	100	109	109	40-140	
n-Nonane	100	33.4	33	30-140	
n-Octacosane	100	82.4	82	40-140	
n-Octadecane	100	85.6	86	40-140	
n-Tetracosane	100	84.0	84	40-140	
n-Tetradecane	100	68.6	69	40-140	
Triacontane	100	90.2	90	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH-LL

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22989.D

Lab ID: LCS 360-84762/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	21.1	106	70-130	
1,1,1-Trichloroethane	20.0	23.0	115	70-130	
1,1,2,2-Tetrachloroethane	20.0	15.6	78	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.5	103	70-130	
1,1,2-Trichloroethane	20.0	18.5	93	70-130	
1,1-Dichloroethane	20.0	19.3	97	70-130	
1,1-Dichloroethene	20.0	23.0	115	70-130	
1,1-Dichloropropene	20.0	20.1	101	70-130	
1,2,3-Trichlorobenzene	20.0	19.0	95	70-130	
1,2,3-Trichloropropane	20.0	18.4	92	70-130	
1,2,4-Trichlorobenzene	20.0	20.2	101	70-130	
1,2,4-Trimethylbenzene	20.0	19.8	99	70-130	
1,2-Dibromo-3-Chloropropane	20.0	18.1	91	70-130	
1,2-Dichlorobenzene	20.0	19.1	96	70-130	
1,2-Dichloroethane	20.0	20.3	102	70-130	
1,2-Dichloropropane	20.0	17.2	86	70-130	
1,3,5-Trimethylbenzene	20.0	19.7	99	70-130	
1,3-Dichlorobenzene	20.0	21.0	105	70-130	
1,3-Dichloropropane	20.0	18.5	93	70-130	
1,4-Dichlorobenzene	20.0	19.5	98	70-130	
2,2-Dichloropropane	20.0	22.5	113	70-130	
2-Butanone (MEK)	200	156	78	70-130	
2-Chlorotoluene	20.0	18.5	93	70-130	
2-Hexanone	200	162	81	70-130	
4-Chlorotoluene	20.0	18.8	94	70-130	
4-Isopropyltoluene	20.0	20.8	104	70-130	
4-Methyl-2-pentanone (MIBK)	200	156	78	70-130	
Acetone	200	165	82	70-130	
Acrylonitrile	20.0	16.9	85	70-130	
Benzene	20.0	19.4	97	70-130	
Bromobenzene	20.0	17.2	86	70-130	
Bromoform	20.0	20.3	102	70-130	
Bromomethane	20.0	20.6	103	70-130	
Carbon disulfide	20.0	26.4	132	70-130	*
Carbon tetrachloride	20.0	25.9	130	70-130	
Chlorobenzene	20.0	20.3	102	70-130	
Chlorodibromomethane	20.0	21.6	108	70-130	
Chloroethane	20.0	18.1	91	70-130	
Chloroform	20.0	19.9	100	70-130	
Chloromethane	20.0	15.5	78	70-130	
cis-1,2-Dichloroethene	20.0	18.3	92	70-130	

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.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22918.D

Lab ID: LCS 360-84486/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	22.0	110	70-130	
1,1,1-Trichloroethane	20.0	24.9	125	70-130	
1,1,2,2-Tetrachloroethane	20.0	15.8	79	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.7	114	70-130	
1,1,2-Trichloroethane	20.0	19.9	100	70-130	
1,1-Dichloroethane	20.0	21.3	107	70-130	
1,1-Dichloroethene	20.0	23.0	115	70-130	
1,1-Dichloropropene	20.0	21.9	110	70-130	
1,2,3-Trichlorobenzene	20.0	19.1	96	70-130	
1,2,3-Trichloropropane	20.0	18.9	95	70-130	
1,2,4-Trichlorobenzene	20.0	20.6	103	70-130	
1,2,4-Trimethylbenzene	20.0	20.7	104	70-130	
1,2-Dibromo-3-Chloropropane	20.0	18.3	92	70-130	
1,2-Dichlorobenzene	20.0	19.1	96	70-130	
1,2-Dichloroethane	20.0	21.9	110	70-130	
1,2-Dichloropropane	20.0	19.1	96	70-130	
1,3,5-Trimethylbenzene	20.0	20.8	104	70-130	
1,3-Dichlorobenzene	20.0	21.5	108	70-130	
1,3-Dichloropropane	20.0	19.9	100	70-130	
1,4-Dichlorobenzene	20.0	19.4	97	70-130	
2,2-Dichloropropane	20.0	25.4	127	70-130	
2-Butanone (MEK)	200	188	94	70-130	
2-Chlorotoluene	20.0	19.6	98	70-130	
2-Hexanone	200	188	94	70-130	
4-Chlorotoluene	20.0	19.4	97	70-130	
4-Isopropyltoluene	20.0	22.2	111	70-130	
4-Methyl-2-pentanone (MIBK)	200	184	92	70-130	
Acetone	200	195	98	70-130	
Acrylonitrile	20.0	20.5	103	70-130	
Benzene	20.0	21.2	106	70-130	
Bromobenzene	20.0	18.0	90	70-130	
Bromoform	20.0	20.2	101	70-130	
Bromomethane	20.0	21.4	107	70-130	
Carbon disulfide	20.0	27.1	136	70-130	*
Carbon tetrachloride	20.0	27.8	139	70-130	*
Chlorobenzene	20.0	20.6	103	70-130	
Chlorodibromomethane	20.0	23.2	116	70-130	
Chloroethane	20.0	18.8	94	70-130	
Chloroform	20.0	21.4	107	70-130	
Chloromethane	20.0	17.2	86	70-130	
cis-1,2-Dichloroethene	20.0	20.3	102	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCVIS 360-84762/2 Calibration Date: 12/13/2011 15:04

Instrument ID: Agilent#2 GC/MS Calib Start Date: 11/29/2011 19:37

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/29/2011 22:31

Lab File ID: V22988.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	Ave	0.1683	0.2127		25.3	20.0	26.4	30.0
Chloromethane	Ave	0.2324	0.1951	0.1000	16.8	20.0	-16.0	30.0
Vinyl chloride	Ave	0.1915	0.1812		18.9	20.0	-5.4	20.0
Bromomethane	Ave	0.1260	0.1442		22.9	20.0	14.4	30.0
Chloroethane	Ave	0.1025	0.0965		18.8	20.0	-5.9	30.0
Trichlorofluoromethane	Ave	0.2661	0.3279		24.7	20.0	23.3	30.0
1,1-Dichloroethene	Ave	0.1950	0.2091		21.5	20.0	7.3	20.0
Carbon disulfide	Ave	0.5595	0.5658		20.2	20.0	1.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1415	0.1740		24.6	20.0	23.0	30.0
Methylene Chloride	Lin1		0.2641		20.7	20.0	3.5	30.0
Acetone	Ave	1.325	1.167		176	200	-11.9	30.0
trans-1,2-Dichloroethene	Ave	0.3407	0.3343		19.6	20.0	-1.9	30.0
Methyl acetate	Ave	0.2500	0.2156		173	200	-13.8	30.0
Methyl tert-butyl ether	Ave	0.6669	0.6793		20.4	20.0	1.9	30.0
1,1-Dichloroethane	Ave	0.4274	0.4041	0.1000	18.9	20.0	-5.4	30.0
Acrylonitrile	Ave	0.1175	0.1047		17.8	20.0	-10.9	30.0
cis-1,2-Dichloroethene	Ave	0.3417	0.3169		18.5	20.0	-7.3	30.0
2,2-Dichloropropane	Lin1		0.2562		23.5	20.0	17.5	30.0
Chloroform	Ave	0.4519	0.4530		20.0	20.0	0.2	20.0
Carbon tetrachloride	Ave	0.2572	0.3402		26.5	20.0	32.3*	30.0
Tetrahydrofuran	Ave	0.1262	0.1007		160	200	-20.2	30.0
1,1,1-Trichloroethane	Lin1		0.3753		23.7	20.0	18.5	30.0
2-Butanone (MEK)	Ave	2.299	1.823		159	200	-20.7	30.0
1,1-Dichloropropene	Ave	0.3191	0.3306		20.7	20.0	3.6	30.0
Benzene	Ave	0.9508	0.9338		19.6	20.0	-1.8	30.0
1,2-Dichloroethane	Ave	0.2615	0.2627		20.1	20.0	0.5	30.0
Methylcyclohexane	Ave	0.2996	0.2742		18.3	20.0	-8.5	30.0
Trichloroethene	Ave	0.2178	0.2270		20.8	20.0	4.2	30.0
Dibromomethane	Ave	0.1470	0.1455		19.8	20.0	-1.0	30.0
1,2-Dichloropropane	Ave	0.2098	0.1818		17.3	20.0	-13.3	20.0
Dichlorobromomethane	Ave	0.2529	0.2610		20.6	20.0	3.2	30.0
cis-1,3-Dichloropropene	Ave	0.2965	0.2929		19.8	20.0	-1.2	30.0
Toluene	Ave	0.4567	0.4608		20.2	20.0	0.9	20.0
Tetrachloroethene	Ave	0.2172	0.2574		23.7	20.0	18.5	30.0
4-Methyl-2-pentanone (MIBK)	Ave	3.643	2.788		153	200	-23.5	30.0
trans-1,3-Dichloropropene	Ave	0.2707	0.2761		20.4	20.0	2.0	30.0
1,1,2-Trichloroethane	Ave	0.1754	0.1652		18.8	20.0	-5.8	30.0
Chlorodibromomethane	Lin1		0.2379		21.8	20.0	9.0	30.0
1,3-Dichloropropane	Ave	0.2904	0.2751		19.0	20.0	-5.2	30.0
Ethylene Dibromide	Ave	0.2117	0.2203		20.8	20.0	4.1	30.0

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 360-37832-1

SDG Number: 360-37832

Job Description: Beaton & Corbin Factory Site

For:
Etech Environmental & Safety Solutions
14395 County Road 434
Lindale, TX 75771

Attention: Mr. Keith Westberry



Approved for release.
Joe Chimi
Report Production Representative
12/14/2011 7:29 AM

Designee for
Lisa A Worthington
Project Manager II
lisa.worthington@testamericainc.com
12/14/2011

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, NELAP NH DES 2539, NELAP NY 10843, NY ELAP 10843, North Carolina 647. 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
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ACCREDITED IN ACCORDANCE WITH nelac

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Etech Environmental & Safety Solutions**
Project Location:	**Southington CT**	***Project Number:***	**360-37832-1**
Laboratory Sample ID (s):	**360-37832-(1-11)**	***Sampling Date (s):***	**11/28/11**
Method:	**SW846 8260B, SW846 6010B, SW846 7471A**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6℃)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

This Certification form is to be used for RCP methods only

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

Authorized Signature:  Position: Laboratory Director

Printed Name: Steve Hartmann Date: 12/13/11 15:57

The certification form has been electronically signed and approved.

Updated Nov 2007

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Etech Environmental & Safety Solutions**
Project Location:	**Southington CT**	***Project Number:***	**360-37832-1**
Laboratory Sample ID (s):	**360-37832-(1-10)**	***Sampling Date (s):***	**11/28/11**
Method:	**MA DEP MA-EPH**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6℃)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes		No √
	b) Were these reporting limits met?	Yes	N/A √	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

This Certification form is to be used for RCP methods only

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

Authorized Signature:  Position: Laboratory Director

Printed Name: Steve Hartmann Date: 12/13/11 15:57

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CASE NARRATIVE

Client: Etech Environmental & Safety Solutions

Project: Beaton & Corbin Factory Site

Report Number: 360-37832-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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 11/29/2011; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 3.5 and 3.6 C.

Regarding questions 5a and 5b on the CT RCP certification form, the laboratory has evaluated reporting limits against the most stringent class criteria in the absence of a specified class on the chain-of-custody.

The LCS Duplicate (LCSD) is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples BC-SO-SB301-0608 (360-37832-1), BC-SO-SB302-0810 (360-37832-2), BC-SO-SB133-0002 (360-37832-3), BC-SO-SBDUP01 (360-37832-4), BC-SO-SB131-1012 (360-37832-5), BC-SO-SB128-0002 (360-37832-6), BC-SO-SB303-0204 (360-37832-7), BC-SO-SB132-1012 (360-37832-8), BC-SO-SB129-0204 (360-37832-9), BC-SO-SB130-0810 (360-37832-10) and BC-TB-112811 (360-37832-11) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B (RCP). The samples were prepared on 12/01/2011 and 12/06/2011 and analyzed on 12/01/2011, 12/06/2011 and 12/07/2011.

All samples submitted in water preserved vials for volatile analysis were placed in the laboratory's freezer on 11/29/2011 at 1320.

4-Methyl-2-pentanone (MIBK), Chloroethane and N-Propylbenzene failed the recovery criteria high for LCS 360-84384/1-A.
4-Methyl-2-pentanone (MIBK), N-Propylbenzene and trans-1,4-Dichloro-2-butene failed the recovery criteria high for LCS 360-84452/1-A.
Refer to the QC report for details.

For batch 84385, 2-Butanone (MEK), 2-Chlorotoluene, 2-Hexanone, 4-Methyl-2-pentanone (MIBK), m-Xylene & p-Xylene, N-Propylbenzene and trans-1,4-Dichloro-2-butene failed the continuing calibration verification (CCV) criteria high. For batch 84468, 4-Methyl-2-pentanone (MIBK), N-Propylbenzene and trans-1,4-Dichloro-2-butene failed the CCV criteria high.

The desired reagent water to soil ratio was high and outside of the method guidance limits of 1:1 ± 25% for samples BC-SO-SB131-1012 (360-37832-5) and BC-SO-SB130-0810 (360-37832-10).

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS

Samples BC-SO-SB301-0608 (360-37832-1), BC-SO-SB302-0810 (360-37832-2), BC-SO-SB133-0002 (360-37832-3), BC-SO-SBDUP01 (360-37832-4), BC-SO-SB131-1012 (360-37832-5), BC-SO-SB128-0002 (360-37832-6), BC-SO-SB303-0204 (360-37832-7), BC-SO-SB132-1012 (360-37832-8), BC-SO-SB129-0204 (360-37832-9) and BC-SO-SB130-0810 (360-37832-10) were analyzed for extractable petroleum hydrocarbons in accordance with MA DEP MA-EPH. The samples were prepared on 11/30/2011 and analyzed on 12/09/2011.

According to EPH method reference 11.2.6.2, using GC/MS, the laboratory has identified a single component contaminant that appears at the same retention time in all laboratory and field samples. This contaminant is derived from the method's SPE cartridge and is not included in the calculation of the C11-C22 Aromatics range.

No difficulties were encountered during the EPH analyses.

All quality control parameters were within the acceptance limits.

METALS (ICP)

Samples BC-SO-SB301-0608 (360-37832-1), BC-SO-SB302-0810 (360-37832-2), BC-SO-SB133-0002 (360-37832-3), BC-SO-SBDUP01 (360-37832-4), BC-SO-SB131-1012 (360-37832-5), BC-SO-SB128-0002 (360-37832-6), BC-SO-SB303-0204 (360-37832-7), BC-SO-SB132-1012 (360-37832-8), BC-SO-SB129-0204 (360-37832-9) and BC-SO-SB130-0810 (360-37832-10) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/30/2011 and analyzed on 12/01/2011.

Barium failed the recovery criteria low for the MS of sample BC-SO-SB301-0608 (360-37832-1) in batch 360-84202. Lead exceeded the rpd limit for the duplicate of sample BC-SO-SB301-0608 (360-37832-1). The associated LCS recovered within control limits. Refer to the QC report for details.

At the request of the client, an abbreviated RCP analyte list (EPA RCRA 8) was reported for this job.

No other difficulties were encountered during the total metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples BC-SO-SB301-0608 (360-37832-1), BC-SO-SB302-0810 (360-37832-2), BC-SO-SB133-0002 (360-37832-3), BC-SO-SBDUP01 (360-37832-4), BC-SO-SB131-1012 (360-37832-5), BC-SO-SB128-0002 (360-37832-6), BC-SO-SB303-0204 (360-37832-7), BC-SO-SB132-1012 (360-37832-8), BC-SO-SB129-0204 (360-37832-9) and BC-SO-SB130-0810 (360-37832-10) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A (RCP). The samples were prepared on 12/08/2011 and analyzed on 12/08/2011 and 12/09/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples BC-SO-SB301-0608 (360-37832-1), BC-SO-SB302-0810 (360-37832-2), BC-SO-SB133-0002 (360-37832-3), BC-SO-SBDUP01 (360-37832-4), BC-SO-SB131-1012 (360-37832-5), BC-SO-SB128-0002 (360-37832-6), BC-SO-SB303-0204 (360-37832-7), BC-SO-SB132-1012 (360-37832-8), BC-SO-SB129-0204 (360-37832-9) and BC-SO-SB130-0810 (360-37832-10) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 11/30/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-37832-1	BC-SO-SB301-0608	Solid	11/28/2011 1503	11/29/2011 1150
360-37832-2	BC-SO-SB302-0810	Solid	11/28/2011 1540	11/29/2011 1150
360-37832-3	BC-SO-SB133-0002	Solid	11/28/2011 1337	11/29/2011 1150
360-37832-4	BC-SO-SBDUP01	Solid	11/28/2011 0000	11/29/2011 1150
360-37832-5	BC-SO-SB131-1012	Solid	11/28/2011 1405	11/29/2011 1150
360-37832-6	BC-SO-SB128-0002	Solid	11/28/2011 1215	11/29/2011 1150
360-37832-7	BC-SO-SB303-0204	Solid	11/28/2011 1600	11/29/2011 1150
360-37832-8	BC-SO-SB132-1012	Solid	11/28/2011 1200	11/29/2011 1150
360-37832-9	BC-SO-SB129-0204	Solid	11/28/2011 1050	11/29/2011 1150
360-37832-10	BC-SO-SB130-0810	Solid	11/28/2011 1040	11/29/2011 1150
360-37832-11	BC-TB-112811	Solid	11/28/2011 0900	11/29/2011 1150

EXECUTIVE SUMMARY - Detections

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
360-37832-1	**BC-SO-SB301-0608**					
4-Isopropyltoluene		220		160	ug/Kg	8260B
n-Butylbenzene		170		160	ug/Kg	8260B
sec-Butylbenzene		280		160	ug/Kg	8260B
C11-C22 Aromatics (unadjusted)		5.8		4.2	mg/Kg	MA-EPH
C11-C22 Aromatics (Adjusted)		5.8		4.2	mg/Kg	MA-EPH
C19-C36 Aliphatics		9.1		4.2	mg/Kg	MA-EPH
C9-C18 Aliphatics		28		4.2	mg/Kg	MA-EPH
Total EPH		43		4.2	mg/Kg	MA-EPH
Barium		75		0.79	mg/Kg	6010B
Chromium		16		0.79	mg/Kg	6010B
Lead		17		0.79	mg/Kg	6010B
Mercury		1.3		0.099	mg/Kg	7471A
Percent Moisture		22		1.0	%	Moisture
Percent Solids		78		1.0	%	Moisture
360-37832-2	**BC-SO-SB302-0810**					
C11-C22 Aromatics (unadjusted)		21		3.6	mg/Kg	MA-EPH
C11-C22 Aromatics (Adjusted)		21		3.6	mg/Kg	MA-EPH
C19-C36 Aliphatics		43		3.6	mg/Kg	MA-EPH
Total EPH		64		3.6	mg/Kg	MA-EPH
Arsenic		1.4		1.1	mg/Kg	6010B
Barium		59		0.57	mg/Kg	6010B
Chromium		14		0.57	mg/Kg	6010B
Lead		5.6		0.57	mg/Kg	6010B
Percent Moisture		10		1.0	%	Moisture
Percent Solids		90		1.0	%	Moisture
360-37832-3	**BC-SO-SB133-0002**					
1,1,1-Trichloroethane		3.4		2.7	ug/Kg	8260B
Tetrachloroethene		14		2.7	ug/Kg	8260B
Trichloroethene		130		2.7	ug/Kg	8260B
C11-C22 Aromatics (unadjusted)		10		3.7	mg/Kg	MA-EPH
C11-C22 Aromatics (Adjusted)		10		3.7	mg/Kg	MA-EPH
C19-C36 Aliphatics		12		3.7	mg/Kg	MA-EPH
Total EPH		22		3.7	mg/Kg	MA-EPH
Arsenic		2.0		1.2	mg/Kg	6010B
Barium		54		0.59	mg/Kg	6010B
Chromium		7.9		0.59	mg/Kg	6010B
Lead		27		0.59	mg/Kg	6010B
Percent Moisture		10		1.0	%	Moisture
Percent Solids		90		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
360-37832-4	**BC-SO-SBDUP01**					
Trichloroethene		3.5		2.5	ug/Kg	8260B
C19-C36 Aliphatics		6.1		3.5	mg/Kg	MA-EPH
Total EPH		6.1		3.5	mg/Kg	MA-EPH
Arsenic		1.4		1.3	mg/Kg	6010B
Barium		11		0.65	mg/Kg	6010B
Chromium		7.2		0.65	mg/Kg	6010B
Lead		2.4		0.65	mg/Kg	6010B
Percent Moisture		6.4		1.0	%	Moisture
Percent Solids		94		1.0	%	Moisture
360-37832-5	**BC-SO-SB131-1012**					
1,1,1-Trichloroethane		2.2		2.0	ug/Kg	8260B
Tetrachloroethene		4.0		2.0	ug/Kg	8260B
Trichloroethene		10		2.0	ug/Kg	8260B
Arsenic		1.7		1.3	mg/Kg	6010B
Barium		84		0.64	mg/Kg	6010B
Chromium		22		0.64	mg/Kg	6010B
Lead		6.5		0.64	mg/Kg	6010B
Percent Moisture		9.0		1.0	%	Moisture
Percent Solids		91		1.0	%	Moisture
360-37832-6	**BC-SO-SB128-0002**					
Tetrachloroethene		6.9		3.6	ug/Kg	8260B
Trichloroethene		74		3.6	ug/Kg	8260B
C11-C22 Aromatics (unadjusted)		4.2		3.6	mg/Kg	MA-EPH
C11-C22 Aromatics (Adjusted)		4.2		3.6	mg/Kg	MA-EPH
C19-C36 Aliphatics		3.6		3.6	mg/Kg	MA-EPH
Total EPH		7.8		3.6	mg/Kg	MA-EPH
Arsenic		1.6		1.4	mg/Kg	6010B
Barium		35		0.72	mg/Kg	6010B
Cadmium		0.93		0.29	mg/Kg	6010B
Chromium		12		0.72	mg/Kg	6010B
Lead		3.7		0.72	mg/Kg	6010B
Percent Moisture		8.2		1.0	%	Moisture
Percent Solids		92		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
360-37832-7	**BC-SO-SB303-0204**					
C11-C22 Aromatics (unadjusted)		4.2		3.8	mg/Kg	MA-EPH
C11-C22 Aromatics (Adjusted)		4.2		3.8	mg/Kg	MA-EPH
Total EPH		4.2		3.8	mg/Kg	MA-EPH
Arsenic		3.5		1.3	mg/Kg	6010B
Barium		50		0.66	mg/Kg	6010B
Chromium		9.8		0.66	mg/Kg	6010B
Lead		56		0.66	mg/Kg	6010B
Percent Moisture		13		1.0	%	Moisture
Percent Solids		87		1.0	%	Moisture
360-37832-8	**BC-SO-SB132-1012**					
1,1,1-Trichloroethane		270		2.8	ug/Kg	8260B
1,1-Dichloroethene		11		2.8	ug/Kg	8260B
cis-1,2-Dichloroethene		10		2.8	ug/Kg	8260B
o-Xylene		5.8		2.8	ug/Kg	8260B
Tetrachloroethene		20		2.8	ug/Kg	8260B
Trichloroethene		470		2.8	ug/Kg	8260B
Xylenes, Total		5.8		5.5	ug/Kg	8260B
Arsenic		1.8		1.3	mg/Kg	6010B
Barium		82		0.64	mg/Kg	6010B
Chromium		17		0.64	mg/Kg	6010B
Lead		5.9		0.64	mg/Kg	6010B
Percent Moisture		13		1.0	%	Moisture
Percent Solids		87		1.0	%	Moisture
360-37832-9	**BC-SO-SB129-0204**					
Trichloroethene		5.6		2.7	ug/Kg	8260B
Arsenic		1.2		1.2	mg/Kg	6010B
Barium		10		0.58	mg/Kg	6010B
Chromium		6.0		0.58	mg/Kg	6010B
Lead		1.9		0.58	mg/Kg	6010B
Percent Moisture		5.9		1.0	%	Moisture
Percent Solids		94		1.0	%	Moisture
360-37832-10	**BC-SO-SB130-0810**					
Trichloroethene		31		1.6	ug/Kg	8260B
Arsenic		1.8		1.5	mg/Kg	6010B
Barium		55		0.73	mg/Kg	6010B
Chromium		25		0.73	mg/Kg	6010B
Lead		6.9		0.73	mg/Kg	6010B
Percent Moisture		12		1.0	%	Moisture
Percent Solids		88		1.0	%	Moisture

METHOD SUMMARY

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

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
Massachusetts - Extractable Petroleum Hydrocarbons (GC)	TAL WFD	MA DEP MA-EPH	
Microwave Extraction	TAL WFD		SW846 3546
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Metals	TAL WFD		SW846 3050B
Mercury (CVAA)	TAL WFD	SW846 7471A	
Preparation, Mercury	TAL WFD		SW846 7471A
Percent Moisture	TAL WFD	EPA Moisture	

Lab References:

TAL WFD = TestAmerica Westfield

Method References:

EPA = US Environmental Protection Agency

MA DEP = Massachusetts Department Of Environmental Protection

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

METHOD / ANALYST SUMMARY

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Method	Analyst	Analyst ID
SW846 8260B	Rouleau, Catherine M	CMR
SW846 8260B	Weigel, Brian	BW
MA DEP MA-EPH	Malanowski, Victoria M	VMM
SW846 6010B	Smith, Tim J	TJS
SW846 7471A	Smith, Tim J	TJS
EPA Moisture	Gutul, Olga	OG

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB301-0608**

Lab Sample ID: 360-37832-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 11/28/2011 1503
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84385	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84384	Lab File ID:	V55223.D
Dilution:	1.0			Initial Weight/Volume:	10.20 g
Analysis Date:	12/01/2011 2338			Final Weight/Volume:	10 g
Prep Date:	12/01/2011 1211				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		160
1,1,1-Trichloroethane		ND		160
1,1,2,2-Tetrachloroethane		ND		160
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		790
1,1,2-Trichloroethane		ND		160
1,1-Dichloroethane		ND		160
1,1-Dichloroethene		ND		160
1,1-Dichloropropene		ND		160
1,2,3-Trichlorobenzene		ND		160
1,2,3-Trichloropropane		ND		160
1,2,4-Trichlorobenzene		ND		160
1,2,4-Trimethylbenzene		ND		160
1,2-Dibromo-3-Chloropropane		ND		1600
1,2-Dichlorobenzene		ND		160
1,2-Dichloroethane		ND		160
1,2-Dichloropropane		ND		160
1,3,5-Trimethylbenzene		ND		160
1,3-Dichlorobenzene		ND		160
1,3-Dichloropropane		ND		160
1,4-Dichlorobenzene		ND		160
2,2-Dichloropropane		ND		160
2-Butanone (MEK)		ND		1600
2-Chlorotoluene		ND		160
2-Hexanone		ND		1600
4-Chlorotoluene		ND		160
4-Isopropyltoluene		220		160
4-Methyl-2-pentanone (MIBK)		ND	*	1600
Acetone		ND		16000
Acrylonitrile		ND		1600
Benzene		ND		160
Bromobenzene		ND		160
Bromoform		ND		160
Bromomethane		ND		310
Carbon disulfide		ND		160
Carbon tetrachloride		ND		160
Chlorobenzene		ND		160
Chlorodibromomethane		ND		160
Chloroethane		ND	*	310
Chloroform		ND		160
Chloromethane		ND		310
cis-1,2-Dichloroethene		ND		160
cis-1,3-Dichloropropene		ND		160
Dibromomethane		ND		160
Dichlorobromomethane		ND		160
Dichlorodifluoromethane		ND		310
Ethylbenzene		ND		160

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB301-0608**

Lab Sample ID: 360-37832-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 11/28/2011 1503
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84385	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84384	Lab File ID:	V55223.D
Dilution:	1.0			Initial Weight/Volume:	10.20 g
Analysis Date:	12/01/2011 2338			Final Weight/Volume:	10 g
Prep Date:	12/01/2011 1211				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		160
Hexachlorobutadiene		ND		160
Isopropylbenzene		ND		160
m-Xylene & p-Xylene		ND		310
Methyl tert-butyl ether		ND		160
Methylene Chloride		ND		630
n-Butylbenzene		170		160
N-Propylbenzene		ND	*	160
Naphthalene		ND		1600
o-Xylene		ND		160
sec-Butylbenzene		280		160
Styrene		ND		160
tert-Butylbenzene		ND		160
Tetrachloroethene		ND		160
Tetrahydrofuran		ND		3100
Toluene		ND		160
trans-1,2-Dichloroethene		ND		160
trans-1,3-Dichloropropene		ND		160
trans-1,4-Dichloro-2-butene		ND		310
Trichloroethene		ND		160
Trichlorofluoromethane		ND		310
Vinyl chloride		ND		160
Xylenes, Total		ND		310

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	114		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	89		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB302-0810**

Lab Sample ID: 360-37832-2
Client Matrix: Solid
% Moisture: 10.3

Date Sampled: 11/28/2011 1540
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55245.D
Dilution:	1.0			Initial Weight/Volume:	5.7 g
Analysis Date:	12/06/2011 2222			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.4
1,1,1-Trichloroethane		ND		2.4
1,1,2,2-Tetrachloroethane		ND		2.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		12
1,1,2-Trichloroethane		ND		2.4
1,1-Dichloroethane		ND		2.4
1,1-Dichloroethene		ND		2.4
1,1-Dichloropropene		ND		2.4
1,2,3-Trichlorobenzene		ND		2.4
1,2,3-Trichloropropane		ND		2.4
1,2,4-Trichlorobenzene		ND		2.4
1,2,4-Trimethylbenzene		ND		2.4
1,2-Dibromo-3-Chloropropane		ND		24
1,2-Dichlorobenzene		ND		2.4
1,2-Dichloroethane		ND		2.4
1,2-Dichloropropane		ND		2.4
1,3,5-Trimethylbenzene		ND		2.4
1,3-Dichlorobenzene		ND		2.4
1,3-Dichloropropane		ND		2.4
1,4-Dichlorobenzene		ND		2.4
2,2-Dichloropropane		ND		2.4
2-Butanone (MEK)		ND		24
2-Chlorotoluene		ND		2.4
2-Hexanone		ND		24
4-Chlorotoluene		ND		2.4
4-Isopropyltoluene		ND		2.4
4-Methyl-2-pentanone (MIBK)		ND	*	24
Acetone		ND		240
Acrylonitrile		ND		24
Benzene		ND		2.4
Bromobenzene		ND		2.4
Bromoform		ND		2.4
Bromomethane		ND		4.9
Carbon disulfide		ND		2.4
Carbon tetrachloride		ND		2.4
Chlorobenzene		ND		2.4
Chlorodibromomethane		ND		2.4
Chloroethane		ND		4.9
Chloroform		ND		2.4
Chloromethane		ND		4.9
cis-1,2-Dichloroethene		ND		2.4
cis-1,3-Dichloropropene		ND		2.4
Dibromomethane		ND		2.4
Dichlorobromomethane		ND		2.4
Dichlorodifluoromethane		ND		4.9
Ethylbenzene		ND		2.4

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB302-0810**

Lab Sample ID: 360-37832-2
Client Matrix: Solid
% Moisture: 10.3

Date Sampled: 11/28/2011 1540
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55245.D
Dilution:	1.0			Initial Weight/Volume:	5.7 g
Analysis Date:	12/06/2011 2222			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.4
Hexachlorobutadiene		ND		2.4
Isopropylbenzene		ND		2.4
m-Xylene & p-Xylene		ND		4.9
Methyl tert-butyl ether		ND		2.4
Methylene Chloride		ND		9.8
n-Butylbenzene		ND		2.4
N-Propylbenzene		ND	*	2.4
Naphthalene		ND		24
o-Xylene		ND		2.4
sec-Butylbenzene		ND		2.4
Styrene		ND		2.4
tert-Butylbenzene		ND		2.4
Tetrachloroethene		ND		2.4
Tetrahydrofuran		ND		49
Toluene		ND		2.4
trans-1,2-Dichloroethene		ND		2.4
trans-1,3-Dichloropropene		ND		2.4
trans-1,4-Dichloro-2-butene		ND	*	4.9
Trichloroethene		ND		2.4
Trichlorofluoromethane		ND		4.9
Vinyl chloride		ND		2.4
Xylenes, Total		ND		4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB133-0002**

Lab Sample ID: 360-37832-3
Client Matrix: Solid
% Moisture: 10.4

Date Sampled: 11/28/2011 1337
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55246.D
Dilution:	1.0			Initial Weight/Volume:	5.13 g
Analysis Date:	12/06/2011 2248			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.7
1,1,1-Trichloroethane		3.4		2.7
1,1,2,2-Tetrachloroethane		ND		2.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		14
1,1,2-Trichloroethane		ND		2.7
1,1-Dichloroethane		ND		2.7
1,1-Dichloroethene		ND		2.7
1,1-Dichloropropene		ND		2.7
1,2,3-Trichlorobenzene		ND		2.7
1,2,3-Trichloropropane		ND		2.7
1,2,4-Trichlorobenzene		ND		2.7
1,2,4-Trimethylbenzene		ND		2.7
1,2-Dibromo-3-Chloropropane		ND		27
1,2-Dichlorobenzene		ND		2.7
1,2-Dichloroethane		ND		2.7
1,2-Dichloropropane		ND		2.7
1,3,5-Trimethylbenzene		ND		2.7
1,3-Dichlorobenzene		ND		2.7
1,3-Dichloropropane		ND		2.7
1,4-Dichlorobenzene		ND		2.7
2,2-Dichloropropane		ND		2.7
2-Butanone (MEK)		ND		27
2-Chlorotoluene		ND		2.7
2-Hexanone		ND		27
4-Chlorotoluene		ND		2.7
4-Isopropyltoluene		ND		2.7
4-Methyl-2-pentanone (MIBK)		ND	*	27
Acetone		ND		270
Acrylonitrile		ND		27
Benzene		ND		2.7
Bromobenzene		ND		2.7
Bromoform		ND		2.7
Bromomethane		ND		5.4
Carbon disulfide		ND		2.7
Carbon tetrachloride		ND		2.7
Chlorobenzene		ND		2.7
Chlorodibromomethane		ND		2.7
Chloroethane		ND		5.4
Chloroform		ND		2.7
Chloromethane		ND		5.4
cis-1,2-Dichloroethene		ND		2.7
cis-1,3-Dichloropropene		ND		2.7
Dibromomethane		ND		2.7
Dichlorobromomethane		ND		2.7
Dichlorodifluoromethane		ND		5.4
Ethylbenzene		ND		2.7

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB133-0002**

Lab Sample ID: 360-37832-3
Client Matrix: Solid
% Moisture: 10.4

Date Sampled: 11/28/2011 1337
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55246.D
Dilution:	1.0			Initial Weight/Volume:	5.13 g
Analysis Date:	12/06/2011 2248			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.7
Hexachlorobutadiene		ND		2.7
Isopropylbenzene		ND		2.7
m-Xylene & p-Xylene		ND		5.4
Methyl tert-butyl ether		ND		2.7
Methylene Chloride		ND		11
n-Butylbenzene		ND		2.7
N-Propylbenzene		ND	*	2.7
Naphthalene		ND		27
o-Xylene		ND		2.7
sec-Butylbenzene		ND		2.7
Styrene		ND		2.7
tert-Butylbenzene		ND		2.7
Tetrachloroethene		14		2.7
Tetrahydrofuran		ND		54
Toluene		ND		2.7
trans-1,2-Dichloroethene		ND		2.7
trans-1,3-Dichloropropene		ND		2.7
trans-1,4-Dichloro-2-butene		ND	*	5.4
Trichloroethene		130		2.7
Trichlorofluoromethane		ND		5.4
Vinyl chloride		ND		2.7
Xylenes, Total		ND		5.4

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8 (Surr)	88		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SBDUP01**

Lab Sample ID: 360-37832-4
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 11/28/2011 0000
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55247.D
Dilution:	1.0			Initial Weight/Volume:	5.32 g
Analysis Date:	12/06/2011 2313			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.5
1,1,1-Trichloroethane		ND		2.5
1,1,2,2-Tetrachloroethane		ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		13
1,1,2-Trichloroethane		ND		2.5
1,1-Dichloroethane		ND		2.5
1,1-Dichloroethene		ND		2.5
1,1-Dichloropropene		ND		2.5
1,2,3-Trichlorobenzene		ND		2.5
1,2,3-Trichloropropane		ND		2.5
1,2,4-Trichlorobenzene		ND		2.5
1,2,4-Trimethylbenzene		ND		2.5
1,2-Dibromo-3-Chloropropane		ND		25
1,2-Dichlorobenzene		ND		2.5
1,2-Dichloroethane		ND		2.5
1,2-Dichloropropane		ND		2.5
1,3,5-Trimethylbenzene		ND		2.5
1,3-Dichlorobenzene		ND		2.5
1,3-Dichloropropane		ND		2.5
1,4-Dichlorobenzene		ND		2.5
2,2-Dichloropropane		ND		2.5
2-Butanone (MEK)		ND		25
2-Chlorotoluene		ND		2.5
2-Hexanone		ND		25
4-Chlorotoluene		ND		2.5
4-Isopropyltoluene		ND		2.5
4-Methyl-2-pentanone (MIBK)		ND	*	25
Acetone		ND		250
Acrylonitrile		ND		25
Benzene		ND		2.5
Bromobenzene		ND		2.5
Bromoform		ND		2.5
Bromomethane		ND		5.0
Carbon disulfide		ND		2.5
Carbon tetrachloride		ND		2.5
Chlorobenzene		ND		2.5
Chlorodibromomethane		ND		2.5
Chloroethane		ND		5.0
Chloroform		ND		2.5
Chloromethane		ND		5.0
cis-1,2-Dichloroethene		ND		2.5
cis-1,3-Dichloropropene		ND		2.5
Dibromomethane		ND		2.5
Dichlorobromomethane		ND		2.5
Dichlorodifluoromethane		ND		5.0
Ethylbenzene		ND		2.5

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SBDUP01**

Lab Sample ID: 360-37832-4
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 11/28/2011 0000
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55247.D
Dilution:	1.0			Initial Weight/Volume:	5.32 g
Analysis Date:	12/06/2011 2313			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.5
Hexachlorobutadiene		ND		2.5
Isopropylbenzene		ND		2.5
m-Xylene & p-Xylene		ND		5.0
Methyl tert-butyl ether		ND		2.5
Methylene Chloride		ND		10
n-Butylbenzene		ND		2.5
N-Propylbenzene		ND	*	2.5
Naphthalene		ND		25
o-Xylene		ND		2.5
sec-Butylbenzene		ND		2.5
Styrene		ND		2.5
tert-Butylbenzene		ND		2.5
Tetrachloroethene		ND		2.5
Tetrahydrofuran		ND		50
Toluene		ND		2.5
trans-1,2-Dichloroethene		ND		2.5
trans-1,3-Dichloropropene		ND		2.5
trans-1,4-Dichloro-2-butene		ND	*	5.0
Trichloroethene		3.5		2.5
Trichlorofluoromethane		ND		5.0
Vinyl chloride		ND		2.5
Xylenes, Total		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8 (Surr)	92		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB131-1012**

Lab Sample ID: 360-37832-5
Client Matrix: Solid
% Moisture: 9.0

Date Sampled: 11/28/2011 1405
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55248.D
Dilution:	1.0			Initial Weight/Volume:	6.81 g
Analysis Date:	12/06/2011 2338			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.0
1,1,1-Trichloroethane		2.2		2.0
1,1,2,2-Tetrachloroethane		ND		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		10
1,1,2-Trichloroethane		ND		2.0
1,1-Dichloroethane		ND		2.0
1,1-Dichloroethene		ND		2.0
1,1-Dichloropropene		ND		2.0
1,2,3-Trichlorobenzene		ND		2.0
1,2,3-Trichloropropane		ND		2.0
1,2,4-Trichlorobenzene		ND		2.0
1,2,4-Trimethylbenzene		ND		2.0
1,2-Dibromo-3-Chloropropane		ND		20
1,2-Dichlorobenzene		ND		2.0
1,2-Dichloroethane		ND		2.0
1,2-Dichloropropane		ND		2.0
1,3,5-Trimethylbenzene		ND		2.0
1,3-Dichlorobenzene		ND		2.0
1,3-Dichloropropane		ND		2.0
1,4-Dichlorobenzene		ND		2.0
2,2-Dichloropropane		ND		2.0
2-Butanone (MEK)		ND		20
2-Chlorotoluene		ND		2.0
2-Hexanone		ND		20
4-Chlorotoluene		ND		2.0
4-Isopropyltoluene		ND		2.0
4-Methyl-2-pentanone (MIBK)		ND	*	20
Acetone		ND		200
Acrylonitrile		ND		20
Benzene		ND		2.0
Bromobenzene		ND		2.0
Bromoform		ND		2.0
Bromomethane		ND		4.0
Carbon disulfide		ND		2.0
Carbon tetrachloride		ND		2.0
Chlorobenzene		ND		2.0
Chlorodibromomethane		ND		2.0
Chloroethane		ND		4.0
Chloroform		ND		2.0
Chloromethane		ND		4.0
cis-1,2-Dichloroethene		ND		2.0
cis-1,3-Dichloropropene		ND		2.0
Dibromomethane		ND		2.0
Dichlorobromomethane		ND		2.0
Dichlorodifluoromethane		ND		4.0
Ethylbenzene		ND		2.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB131-1012**

Lab Sample ID: 360-37832-5
Client Matrix: Solid
% Moisture: 9.0

Date Sampled: 11/28/2011 1405
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55248.D
Dilution:	1.0			Initial Weight/Volume:	6.81 g
Analysis Date:	12/06/2011 2338			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.0
Hexachlorobutadiene		ND		2.0
Isopropylbenzene		ND		2.0
m-Xylene & p-Xylene		ND		4.0
Methyl tert-butyl ether		ND		2.0
Methylene Chloride		ND		8.1
n-Butylbenzene		ND		2.0
N-Propylbenzene		ND	*	2.0
Naphthalene		ND		20
o-Xylene		ND		2.0
sec-Butylbenzene		ND		2.0
Styrene		ND		2.0
tert-Butylbenzene		ND		2.0
Tetrachloroethene		4.0		2.0
Tetrahydrofuran		ND		40
Toluene		ND		2.0
trans-1,2-Dichloroethene		ND		2.0
trans-1,3-Dichloropropene		ND		2.0
trans-1,4-Dichloro-2-butene		ND	*	4.0
Trichloroethene		10		2.0
Trichlorofluoromethane		ND		4.0
Vinyl chloride		ND		2.0
Xylenes, Total		ND		4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8 (Surr)	92		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB128-0002**

Lab Sample ID: 360-37832-6
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 11/28/2011 1215
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55249.D
Dilution:	1.0			Initial Weight/Volume:	3.79 g
Analysis Date:	12/07/2011 0004			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		3.6
1,1,1-Trichloroethane		ND		3.6
1,1,2,2-Tetrachloroethane		ND		3.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		18
1,1,2-Trichloroethane		ND		3.6
1,1-Dichloroethane		ND		3.6
1,1-Dichloroethene		ND		3.6
1,1-Dichloropropene		ND		3.6
1,2,3-Trichlorobenzene		ND		3.6
1,2,3-Trichloropropane		ND		3.6
1,2,4-Trichlorobenzene		ND		3.6
1,2,4-Trimethylbenzene		ND		3.6
1,2-Dibromo-3-Chloropropane		ND		36
1,2-Dichlorobenzene		ND		3.6
1,2-Dichloroethane		ND		3.6
1,2-Dichloropropane		ND		3.6
1,3,5-Trimethylbenzene		ND		3.6
1,3-Dichlorobenzene		ND		3.6
1,3-Dichloropropane		ND		3.6
1,4-Dichlorobenzene		ND		3.6
2,2-Dichloropropane		ND		3.6
2-Butanone (MEK)		ND		36
2-Chlorotoluene		ND		3.6
2-Hexanone		ND		36
4-Chlorotoluene		ND		3.6
4-Isopropyltoluene		ND		3.6
4-Methyl-2-pentanone (MIBK)		ND	*	36
Acetone		ND		360
Acrylonitrile		ND		36
Benzene		ND		3.6
Bromobenzene		ND		3.6
Bromoform		ND		3.6
Bromomethane		ND		7.2
Carbon disulfide		ND		3.6
Carbon tetrachloride		ND		3.6
Chlorobenzene		ND		3.6
Chlorodibromomethane		ND		3.6
Chloroethane		ND		7.2
Chloroform		ND		3.6
Chloromethane		ND		7.2
cis-1,2-Dichloroethene		ND		3.6
cis-1,3-Dichloropropene		ND		3.6
Dibromomethane		ND		3.6
Dichlorobromomethane		ND		3.6
Dichlorodifluoromethane		ND		7.2
Ethylbenzene		ND		3.6

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB128-0002**

Lab Sample ID: 360-37832-6
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 11/28/2011 1215
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55249.D
Dilution:	1.0			Initial Weight/Volume:	3.79 g
Analysis Date:	12/07/2011 0004			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		3.6
Hexachlorobutadiene		ND		3.6
Isopropylbenzene		ND		3.6
m-Xylene & p-Xylene		ND		7.2
Methyl tert-butyl ether		ND		3.6
Methylene Chloride		ND		14
n-Butylbenzene		ND		3.6
N-Propylbenzene		ND	*	3.6
Naphthalene		ND		36
o-Xylene		ND		3.6
sec-Butylbenzene		ND		3.6
Styrene		ND		3.6
tert-Butylbenzene		ND		3.6
Tetrachloroethene		6.9		3.6
Tetrahydrofuran		ND		72
Toluene		ND		3.6
trans-1,2-Dichloroethene		ND		3.6
trans-1,3-Dichloropropene		ND		3.6
trans-1,4-Dichloro-2-butene		ND	*	7.2
Trichloroethene		74		3.6
Trichlorofluoromethane		ND		7.2
Vinyl chloride		ND		3.6
Xylenes, Total		ND		7.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	100		70 - 130
Toluene-d8 (Surr)	90		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB303-0204**

Lab Sample ID: 360-37832-7
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 11/28/2011 1600
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55250.D
Dilution:	1.0			Initial Weight/Volume:	5.42 g
Analysis Date:	12/07/2011 0029			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.7
1,1,1-Trichloroethane		ND		2.7
1,1,2,2-Tetrachloroethane		ND		2.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		13
1,1,2-Trichloroethane		ND		2.7
1,1-Dichloroethane		ND		2.7
1,1-Dichloroethene		ND		2.7
1,1-Dichloropropene		ND		2.7
1,2,3-Trichlorobenzene		ND		2.7
1,2,3-Trichloropropane		ND		2.7
1,2,4-Trichlorobenzene		ND		2.7
1,2,4-Trimethylbenzene		ND		2.7
1,2-Dibromo-3-Chloropropane		ND		27
1,2-Dichlorobenzene		ND		2.7
1,2-Dichloroethane		ND		2.7
1,2-Dichloropropane		ND		2.7
1,3,5-Trimethylbenzene		ND		2.7
1,3-Dichlorobenzene		ND		2.7
1,3-Dichloropropane		ND		2.7
1,4-Dichlorobenzene		ND		2.7
2,2-Dichloropropane		ND		2.7
2-Butanone (MEK)		ND		27
2-Chlorotoluene		ND		2.7
2-Hexanone		ND		27
4-Chlorotoluene		ND		2.7
4-Isopropyltoluene		ND		2.7
4-Methyl-2-pentanone (MIBK)		ND	*	27
Acetone		ND		270
Acrylonitrile		ND		27
Benzene		ND		2.7
Bromobenzene		ND		2.7
Bromoform		ND		2.7
Bromomethane		ND		5.3
Carbon disulfide		ND		2.7
Carbon tetrachloride		ND		2.7
Chlorobenzene		ND		2.7
Chlorodibromomethane		ND		2.7
Chloroethane		ND		5.3
Chloroform		ND		2.7
Chloromethane		ND		5.3
cis-1,2-Dichloroethene		ND		2.7
cis-1,3-Dichloropropene		ND		2.7
Dibromomethane		ND		2.7
Dichlorobromomethane		ND		2.7
Dichlorodifluoromethane		ND		5.3
Ethylbenzene		ND		2.7

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB303-0204**

Lab Sample ID: 360-37832-7
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 11/28/2011 1600
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55250.D
Dilution:	1.0			Initial Weight/Volume:	5.42 g
Analysis Date:	12/07/2011 0029			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.7
Hexachlorobutadiene		ND		2.7
Isopropylbenzene		ND		2.7
m-Xylene & p-Xylene		ND		5.3
Methyl tert-butyl ether		ND		2.7
Methylene Chloride		ND		11
n-Butylbenzene		ND		2.7
N-Propylbenzene		ND	*	2.7
Naphthalene		ND		27
o-Xylene		ND		2.7
sec-Butylbenzene		ND		2.7
Styrene		ND		2.7
tert-Butylbenzene		ND		2.7
Tetrachloroethene		ND		2.7
Tetrahydrofuran		ND		53
Toluene		ND		2.7
trans-1,2-Dichloroethene		ND		2.7
trans-1,3-Dichloropropene		ND		2.7
trans-1,4-Dichloro-2-butene		ND	*	5.3
Trichloroethene		ND		2.7
Trichlorofluoromethane		ND		5.3
Vinyl chloride		ND		2.7
Xylenes, Total		ND		5.3

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8 (Surr)	90		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB132-1012**

Lab Sample ID: 360-37832-8
Client Matrix: Solid
% Moisture: 13.5

Date Sampled: 11/28/2011 1200
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55251.D
Dilution:	1.0			Initial Weight/Volume:	5.24 g
Analysis Date:	12/07/2011 0054			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.8
1,1,1-Trichloroethane		270		2.8
1,1,2,2-Tetrachloroethane		ND		2.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		14
1,1,2-Trichloroethane		ND		2.8
1,1-Dichloroethane		ND		2.8
1,1-Dichloroethene		11		2.8
1,1-Dichloropropene		ND		2.8
1,2,3-Trichlorobenzene		ND		2.8
1,2,3-Trichloropropane		ND		2.8
1,2,4-Trichlorobenzene		ND		2.8
1,2,4-Trimethylbenzene		ND		2.8
1,2-Dibromo-3-Chloropropane		ND		28
1,2-Dichlorobenzene		ND		2.8
1,2-Dichloroethane		ND		2.8
1,2-Dichloropropane		ND		2.8
1,3,5-Trimethylbenzene		ND		2.8
1,3-Dichlorobenzene		ND		2.8
1,3-Dichloropropane		ND		2.8
1,4-Dichlorobenzene		ND		2.8
2,2-Dichloropropane		ND		2.8
2-Butanone (MEK)		ND		28
2-Chlorotoluene		ND		2.8
2-Hexanone		ND		28
4-Chlorotoluene		ND		2.8
4-Isopropyltoluene		ND		2.8
4-Methyl-2-pentanone (MIBK)		ND	*	28
Acetone		ND		280
Acrylonitrile		ND		28
Benzene		ND		2.8
Bromobenzene		ND		2.8
Bromoform		ND		2.8
Bromomethane		ND		5.5
Carbon disulfide		ND		2.8
Carbon tetrachloride		ND		2.8
Chlorobenzene		ND		2.8
Chlorodibromomethane		ND		2.8
Chloroethane		ND		5.5
Chloroform		ND		2.8
Chloromethane		ND		5.5
cis-1,2-Dichloroethene		10		2.8
cis-1,3-Dichloropropene		ND		2.8
Dibromomethane		ND		2.8
Dichlorobromomethane		ND		2.8
Dichlorodifluoromethane		ND		5.5
Ethylbenzene		ND		2.8

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB132-1012**

Lab Sample ID: 360-37832-8
Client Matrix: Solid
% Moisture: 13.5

Date Sampled: 11/28/2011 1200
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55251.D
Dilution:	1.0			Initial Weight/Volume:	5.24 g
Analysis Date:	12/07/2011 0054			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.8
Hexachlorobutadiene		ND		2.8
Isopropylbenzene		ND		2.8
m-Xylene & p-Xylene		ND		5.5
Methyl tert-butyl ether		ND		2.8
Methylene Chloride		ND		11
n-Butylbenzene		ND		2.8
N-Propylbenzene		ND	*	2.8
Naphthalene		ND		28
o-Xylene		5.8		2.8
sec-Butylbenzene		ND		2.8
Styrene		ND		2.8
tert-Butylbenzene		ND		2.8
Tetrachloroethene		20		2.8
Tetrahydrofuran		ND		55
Toluene		ND		2.8
trans-1,2-Dichloroethene		ND		2.8
trans-1,3-Dichloropropene		ND		2.8
trans-1,4-Dichloro-2-butene		ND	*	5.5
Trichloroethene		470		2.8
Trichlorofluoromethane		ND		5.5
Vinyl chloride		ND		2.8
Xylenes, Total		5.8		5.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB129-0204**

Lab Sample ID: 360-37832-9
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 11/28/2011 1050
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55252.D
Dilution:	1.0			Initial Weight/Volume:	4.91 g
Analysis Date:	12/07/2011 0120			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.7
1,1,1-Trichloroethane		ND		2.7
1,1,2,2-Tetrachloroethane		ND		2.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		14
1,1,2-Trichloroethane		ND		2.7
1,1-Dichloroethane		ND		2.7
1,1-Dichloroethene		ND		2.7
1,1-Dichloropropene		ND		2.7
1,2,3-Trichlorobenzene		ND		2.7
1,2,3-Trichloropropane		ND		2.7
1,2,4-Trichlorobenzene		ND		2.7
1,2,4-Trimethylbenzene		ND		2.7
1,2-Dibromo-3-Chloropropane		ND		27
1,2-Dichlorobenzene		ND		2.7
1,2-Dichloroethane		ND		2.7
1,2-Dichloropropane		ND		2.7
1,3,5-Trimethylbenzene		ND		2.7
1,3-Dichlorobenzene		ND		2.7
1,3-Dichloropropane		ND		2.7
1,4-Dichlorobenzene		ND		2.7
2,2-Dichloropropane		ND		2.7
2-Butanone (MEK)		ND		27
2-Chlorotoluene		ND		2.7
2-Hexanone		ND		27
4-Chlorotoluene		ND		2.7
4-Isopropyltoluene		ND		2.7
4-Methyl-2-pentanone (MIBK)		ND	*	27
Acetone		ND		270
Acrylonitrile		ND		27
Benzene		ND		2.7
Bromobenzene		ND		2.7
Bromoform		ND		2.7
Bromomethane		ND		5.4
Carbon disulfide		ND		2.7
Carbon tetrachloride		ND		2.7
Chlorobenzene		ND		2.7
Chlorodibromomethane		ND		2.7
Chloroethane		ND		5.4
Chloroform		ND		2.7
Chloromethane		ND		5.4
cis-1,2-Dichloroethene		ND		2.7
cis-1,3-Dichloropropene		ND		2.7
Dibromomethane		ND		2.7
Dichlorobromomethane		ND		2.7
Dichlorodifluoromethane		ND		5.4
Ethylbenzene		ND		2.7

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB129-0204**

Lab Sample ID: 360-37832-9
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 11/28/2011 1050
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55252.D
Dilution:	1.0			Initial Weight/Volume:	4.91 g
Analysis Date:	12/07/2011 0120			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.7
Hexachlorobutadiene		ND		2.7
Isopropylbenzene		ND		2.7
m-Xylene & p-Xylene		ND		5.4
Methyl tert-butyl ether		ND		2.7
Methylene Chloride		ND		11
n-Butylbenzene		ND		2.7
N-Propylbenzene		ND	*	2.7
Naphthalene		ND		27
o-Xylene		ND		2.7
sec-Butylbenzene		ND		2.7
Styrene		ND		2.7
tert-Butylbenzene		ND		2.7
Tetrachloroethene		ND		2.7
Tetrahydrofuran		ND		54
Toluene		ND		2.7
trans-1,2-Dichloroethene		ND		2.7
trans-1,3-Dichloropropene		ND		2.7
trans-1,4-Dichloro-2-butene		ND	*	5.4
Trichloroethene		5.6		2.7
Trichlorofluoromethane		ND		5.4
Vinyl chloride		ND		2.7
Xylenes, Total		ND		5.4

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB130-0810**

Lab Sample ID: 360-37832-10
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 11/28/2011 1040
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55253.D
Dilution:	1.0			Initial Weight/Volume:	9.02 g
Analysis Date:	12/07/2011 0146			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		1.6
1,1,1-Trichloroethane		ND		1.6
1,1,2,2-Tetrachloroethane		ND		1.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		7.9
1,1,2-Trichloroethane		ND		1.6
1,1-Dichloroethane		ND		1.6
1,1-Dichloroethene		ND		1.6
1,1-Dichloropropene		ND		1.6
1,2,3-Trichlorobenzene		ND		1.6
1,2,3-Trichloropropane		ND		1.6
1,2,4-Trichlorobenzene		ND		1.6
1,2,4-Trimethylbenzene		ND		1.6
1,2-Dibromo-3-Chloropropane		ND		16
1,2-Dichlorobenzene		ND		1.6
1,2-Dichloroethane		ND		1.6
1,2-Dichloropropane		ND		1.6
1,3,5-Trimethylbenzene		ND		1.6
1,3-Dichlorobenzene		ND		1.6
1,3-Dichloropropane		ND		1.6
1,4-Dichlorobenzene		ND		1.6
2,2-Dichloropropane		ND		1.6
2-Butanone (MEK)		ND		16
2-Chlorotoluene		ND		1.6
2-Hexanone		ND		16
4-Chlorotoluene		ND		1.6
4-Isopropyltoluene		ND		1.6
4-Methyl-2-pentanone (MIBK)		ND	*	16
Acetone		ND		160
Acrylonitrile		ND		16
Benzene		ND		1.6
Bromobenzene		ND		1.6
Bromoform		ND		1.6
Bromomethane		ND		3.2
Carbon disulfide		ND		1.6
Carbon tetrachloride		ND		1.6
Chlorobenzene		ND		1.6
Chlorodibromomethane		ND		1.6
Chloroethane		ND		3.2
Chloroform		ND		1.6
Chloromethane		ND		3.2
cis-1,2-Dichloroethene		ND		1.6
cis-1,3-Dichloropropene		ND		1.6
Dibromomethane		ND		1.6
Dichlorobromomethane		ND		1.6
Dichlorodifluoromethane		ND		3.2
Ethylbenzene		ND		1.6

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB130-0810**

Lab Sample ID: 360-37832-10
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 11/28/2011 1040
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55253.D
Dilution:	1.0			Initial Weight/Volume:	9.02 g
Analysis Date:	12/07/2011 0146			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		1.6
Hexachlorobutadiene		ND		1.6
Isopropylbenzene		ND		1.6
m-Xylene & p-Xylene		ND		3.2
Methyl tert-butyl ether		ND		1.6
Methylene Chloride		ND		6.3
n-Butylbenzene		ND		1.6
N-Propylbenzene		ND	*	1.6
Naphthalene		ND		16
o-Xylene		ND		1.6
sec-Butylbenzene		ND		1.6
Styrene		ND		1.6
tert-Butylbenzene		ND		1.6
Tetrachloroethene		ND		1.6
Tetrahydrofuran		ND		32
Toluene		ND		1.6
trans-1,2-Dichloroethene		ND		1.6
trans-1,3-Dichloropropene		ND		1.6
trans-1,4-Dichloro-2-butene		ND	*	3.2
Trichloroethene		31		1.6
Trichlorofluoromethane		ND		3.2
Vinyl chloride		ND		1.6
Xylenes, Total		ND		3.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8 (Surr)	90		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-TB-112811**

Lab Sample ID: 360-37832-11
Client Matrix: Solid

Date Sampled: 11/28/2011 0900
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55254.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/07/2011 0211			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.5
1,1,1-Trichloroethane		ND		2.5
1,1,2,2-Tetrachloroethane		ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		13
1,1,2-Trichloroethane		ND		2.5
1,1-Dichloroethane		ND		2.5
1,1-Dichloroethene		ND		2.5
1,1-Dichloropropene		ND		2.5
1,2,3-Trichlorobenzene		ND		2.5
1,2,3-Trichloropropane		ND		2.5
1,2,4-Trichlorobenzene		ND		2.5
1,2,4-Trimethylbenzene		ND		2.5
1,2-Dibromo-3-Chloropropane		ND		25
1,2-Dichlorobenzene		ND		2.5
1,2-Dichloroethane		ND		2.5
1,2-Dichloropropane		ND		2.5
1,3,5-Trimethylbenzene		ND		2.5
1,3-Dichlorobenzene		ND		2.5
1,3-Dichloropropane		ND		2.5
1,4-Dichlorobenzene		ND		2.5
2,2-Dichloropropane		ND		2.5
2-Butanone (MEK)		ND		25
2-Chlorotoluene		ND		2.5
2-Hexanone		ND		25
4-Chlorotoluene		ND		2.5
4-Isopropyltoluene		ND		2.5
4-Methyl-2-pentanone (MIBK)		ND	*	25
Acetone		ND		250
Acrylonitrile		ND		25
Benzene		ND		2.5
Bromobenzene		ND		2.5
Bromoform		ND		2.5
Bromomethane		ND		5.0
Carbon disulfide		ND		2.5
Carbon tetrachloride		ND		2.5
Chlorobenzene		ND		2.5
Chlorodibromomethane		ND		2.5
Chloroethane		ND		5.0
Chloroform		ND		2.5
Chloromethane		ND		5.0
cis-1,2-Dichloroethene		ND		2.5
cis-1,3-Dichloropropene		ND		2.5
Dibromomethane		ND		2.5
Dichlorobromomethane		ND		2.5
Dichlorodifluoromethane		ND		5.0
Ethylbenzene		ND		2.5

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-TB-112811**

Lab Sample ID: 360-37832-11
Client Matrix: Solid

Date Sampled: 11/28/2011 0900
Date Received: 11/29/2011 1150

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84452	Lab File ID:	V55254.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/07/2011 0211			Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.5
Hexachlorobutadiene		ND		2.5
Isopropylbenzene		ND		2.5
m-Xylene & p-Xylene		ND		5.0
Methyl tert-butyl ether		ND		2.5
Methylene Chloride		ND		10
n-Butylbenzene		ND		2.5
N-Propylbenzene		ND	*	2.5
Naphthalene		ND		25
o-Xylene		ND		2.5
sec-Butylbenzene		ND		2.5
Styrene		ND		2.5
tert-Butylbenzene		ND		2.5
Tetrachloroethene		ND		2.5
Tetrahydrofuran		ND		50
Toluene		ND		2.5
trans-1,2-Dichloroethene		ND		2.5
trans-1,3-Dichloropropene		ND		2.5
trans-1,4-Dichloro-2-butene		ND	*	5.0
Trichloroethene		ND		2.5
Trichlorofluoromethane		ND		5.0
Vinyl chloride		ND		2.5
Xylenes, Total		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8 (Surr)	92		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB301-0608**

Lab Sample ID: 360-37832-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 11/28/2011 1503
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.22 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1324			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.42
Acenaphthylene		ND		0.42
Anthracene		ND		0.42
Benzo[a]anthracene		ND		0.42
Benzo[a]pyrene		ND		0.42
Benzo[b]fluoranthene		ND		0.42
Benzo[g,h,i]perylene		ND		0.42
Benzo[k]fluoranthene		ND		0.42
Chrysene		ND		0.42
Dibenz(a,h)anthracene		ND		0.42
Fluoranthene		ND		0.42
Fluorene		ND		0.42
Indeno[1,2,3-cd]pyrene		ND		0.42
2-Methylnaphthalene		ND		0.42
Naphthalene		ND		0.42
Phenanthrene		ND		0.42
Pyrene		ND		0.42
C11-C22 Aromatics (unadjusted)		5.8		4.2
C11-C22 Aromatics (Adjusted)		5.8		4.2
C19-C36 Aliphatics		9.1		4.2
C9-C18 Aliphatics		28		4.2
Total EPH		43		4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	67		40 - 140
2-Fluorobiphenyl	67		40 - 140
o-Terphenyl	60		40 - 140
1-Chlorooctadecane	51		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB302-0810**

Lab Sample ID: 360-37832-2
Client Matrix: Solid
% Moisture: 10.3

Date Sampled: 11/28/2011 1540
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.42 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1358			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.36
Acenaphthylene		ND		0.36
Anthracene		ND		0.36
Benzo[a]anthracene		ND		0.36
Benzo[a]pyrene		ND		0.36
Benzo[b]fluoranthene		ND		0.36
Benzo[g,h,i]perylene		ND		0.36
Benzo[k]fluoranthene		ND		0.36
Chrysene		ND		0.36
Dibenz(a,h)anthracene		ND		0.36
Fluoranthene		ND		0.36
Fluorene		ND		0.36
Indeno[1,2,3-cd]pyrene		ND		0.36
2-Methylnaphthalene		ND		0.36
Naphthalene		ND		0.36
Phenanthrene		ND		0.36
Pyrene		ND		0.36
C11-C22 Aromatics (unadjusted)		21		3.6
C11-C22 Aromatics (Adjusted)		21		3.6
C19-C36 Aliphatics		43		3.6
C9-C18 Aliphatics		ND		3.6
Total EPH		64		3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	71		40 - 140
2-Fluorobiphenyl	70		40 - 140
o-Terphenyl	65		40 - 140
1-Chlorooctadecane	60		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB133-0002**

Lab Sample ID: 360-37832-3
Client Matrix: Solid
% Moisture: 10.4

Date Sampled: 11/28/2011 1337
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.07 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1432			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.37
Acenaphthylene		ND		0.37
Anthracene		ND		0.37
Benzo[a]anthracene		ND		0.37
Benzo[a]pyrene		ND		0.37
Benzo[b]fluoranthene		ND		0.37
Benzo[g,h,i]perylene		ND		0.37
Benzo[k]fluoranthene		ND		0.37
Chrysene		ND		0.37
Dibenz(a,h)anthracene		ND		0.37
Fluoranthene		ND		0.37
Fluorene		ND		0.37
Indeno[1,2,3-cd]pyrene		ND		0.37
2-Methylnaphthalene		ND		0.37
Naphthalene		ND		0.37
Phenanthrene		ND		0.37
Pyrene		ND		0.37
C11-C22 Aromatics (unadjusted)		10		3.7
C11-C22 Aromatics (Adjusted)		10		3.7
C19-C36 Aliphatics		12		3.7
C9-C18 Aliphatics		ND		3.7
Total EPH		22		3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	67		40 - 140
2-Fluorobiphenyl	67		40 - 140
o-Terphenyl	66		40 - 140
1-Chlorooctadecane	67		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SBDUP01**

Lab Sample ID: 360-37832-4
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 11/28/2011 0000
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.07 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1506			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.35
Acenaphthylene		ND		0.35
Anthracene		ND		0.35
Benzo[a]anthracene		ND		0.35
Benzo[a]pyrene		ND		0.35
Benzo[b]fluoranthene		ND		0.35
Benzo[g,h,i]perylene		ND		0.35
Benzo[k]fluoranthene		ND		0.35
Chrysene		ND		0.35
Dibenz(a,h)anthracene		ND		0.35
Fluoranthene		ND		0.35
Fluorene		ND		0.35
Indeno[1,2,3-cd]pyrene		ND		0.35
2-Methylnaphthalene		ND		0.35
Naphthalene		ND		0.35
Phenanthrene		ND		0.35
Pyrene		ND		0.35
C11-C22 Aromatics (unadjusted)		ND		3.5
C11-C22 Aromatics (Adjusted)		ND		3.5
C19-C36 Aliphatics		6.1		3.5
C9-C18 Aliphatics		ND		3.5
Total EPH		6.1		3.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	68		40 - 140
2-Fluorobiphenyl	68		40 - 140
o-Terphenyl	66		40 - 140
1-Chlorooctadecane	73		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB131-1012**

Lab Sample ID: 360-37832-5
Client Matrix: Solid
% Moisture: 9.0

Date Sampled: 11/28/2011 1405
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.05 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1540			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.36
Acenaphthylene		ND		0.36
Anthracene		ND		0.36
Benzo[a]anthracene		ND		0.36
Benzo[a]pyrene		ND		0.36
Benzo[b]fluoranthene		ND		0.36
Benzo[g,h,i]perylene		ND		0.36
Benzo[k]fluoranthene		ND		0.36
Chrysene		ND		0.36
Dibenz(a,h)anthracene		ND		0.36
Fluoranthene		ND		0.36
Fluorene		ND		0.36
Indeno[1,2,3-cd]pyrene		ND		0.36
2-Methylnaphthalene		ND		0.36
Naphthalene		ND		0.36
Phenanthrene		ND		0.36
Pyrene		ND		0.36
C11-C22 Aromatics (unadjusted)		ND		3.6
C11-C22 Aromatics (Adjusted)		ND		3.6
C19-C36 Aliphatics		ND		3.6
C9-C18 Aliphatics		ND		3.6
Total EPH		ND		3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	64		40 - 140
2-Fluorobiphenyl	64		40 - 140
o-Terphenyl	67		40 - 140
1-Chlorooctadecane	69		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB128-0002**

Lab Sample ID: 360-37832-6
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 11/28/2011 1215
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.36 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1614			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.36
Acenaphthylene		ND		0.36
Anthracene		ND		0.36
Benzo[a]anthracene		ND		0.36
Benzo[a]pyrene		ND		0.36
Benzo[b]fluoranthene		ND		0.36
Benzo[g,h,i]perylene		ND		0.36
Benzo[k]fluoranthene		ND		0.36
Chrysene		ND		0.36
Dibenz(a,h)anthracene		ND		0.36
Fluoranthene		ND		0.36
Fluorene		ND		0.36
Indeno[1,2,3-cd]pyrene		ND		0.36
2-Methylnaphthalene		ND		0.36
Naphthalene		ND		0.36
Phenanthrene		ND		0.36
Pyrene		ND		0.36
C11-C22 Aromatics (unadjusted)		4.2		3.6
C11-C22 Aromatics (Adjusted)		4.2		3.6
C19-C36 Aliphatics		3.6		3.6
C9-C18 Aliphatics		ND		3.6
Total EPH		7.8		3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	66		40 - 140
2-Fluorobiphenyl	65		40 - 140
o-Terphenyl	72		40 - 140
1-Chlorooctadecane	76		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB303-0204**

Lab Sample ID: 360-37832-7
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 11/28/2011 1600
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.40 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1648			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.38
Acenaphthylene		ND		0.38
Anthracene		ND		0.38
Benzo[a]anthracene		ND		0.38
Benzo[a]pyrene		ND		0.38
Benzo[b]fluoranthene		ND		0.38
Benzo[g,h,i]perylene		ND		0.38
Benzo[k]fluoranthene		ND		0.38
Chrysene		ND		0.38
Dibenz(a,h)anthracene		ND		0.38
Fluoranthene		ND		0.38
Fluorene		ND		0.38
Indeno[1,2,3-cd]pyrene		ND		0.38
2-Methylnaphthalene		ND		0.38
Naphthalene		ND		0.38
Phenanthrene		ND		0.38
Pyrene		ND		0.38
C11-C22 Aromatics (unadjusted)		4.2		3.8
C11-C22 Aromatics (Adjusted)		4.2		3.8
C19-C36 Aliphatics		ND		3.8
C9-C18 Aliphatics		ND		3.8
Total EPH		4.2		3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	63		40 - 140
2-Fluorobiphenyl	62		40 - 140
o-Terphenyl	70		40 - 140
1-Chlorooctadecane	58		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB132-1012**

Lab Sample ID: 360-37832-8
Client Matrix: Solid
% Moisture: 13.5

Date Sampled: 11/28/2011 1200
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.05 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1722			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.38
Acenaphthylene		ND		0.38
Anthracene		ND		0.38
Benzo[a]anthracene		ND		0.38
Benzo[a]pyrene		ND		0.38
Benzo[b]fluoranthene		ND		0.38
Benzo[g,h,i]perylene		ND		0.38
Benzo[k]fluoranthene		ND		0.38
Chrysene		ND		0.38
Dibenz(a,h)anthracene		ND		0.38
Fluoranthene		ND		0.38
Fluorene		ND		0.38
Indeno[1,2,3-cd]pyrene		ND		0.38
2-Methylnaphthalene		ND		0.38
Naphthalene		ND		0.38
Phenanthrene		ND		0.38
Pyrene		ND		0.38
C11-C22 Aromatics (unadjusted)		ND		3.8
C11-C22 Aromatics (Adjusted)		ND		3.8
C19-C36 Aliphatics		ND		3.8
C9-C18 Aliphatics		ND		3.8
Total EPH		ND		3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	67		40 - 140
2-Fluorobiphenyl	66		40 - 140
o-Terphenyl	72		40 - 140
1-Chlorooctadecane	71		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB129-0204**

Lab Sample ID: 360-37832-9
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 11/28/2011 1050
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.66 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1756			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.34
Acenaphthylene		ND		0.34
Anthracene		ND		0.34
Benzo[a]anthracene		ND		0.34
Benzo[a]pyrene		ND		0.34
Benzo[b]fluoranthene		ND		0.34
Benzo[g,h,i]perylene		ND		0.34
Benzo[k]fluoranthene		ND		0.34
Chrysene		ND		0.34
Dibenz(a,h)anthracene		ND		0.34
Fluoranthene		ND		0.34
Fluorene		ND		0.34
Indeno[1,2,3-cd]pyrene		ND		0.34
2-Methylnaphthalene		ND		0.34
Naphthalene		ND		0.34
Phenanthrene		ND		0.34
Pyrene		ND		0.34
C11-C22 Aromatics (unadjusted)		ND		3.4
C11-C22 Aromatics (Adjusted)		ND		3.4
C19-C36 Aliphatics		ND		3.4
C9-C18 Aliphatics		ND		3.4
Total EPH		ND		3.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	68		40 - 140
2-Fluorobiphenyl	67		40 - 140
o-Terphenyl	68		40 - 140
1-Chlorooctadecane	69		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB130-0810**

Lab Sample ID: 360-37832-10
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 11/28/2011 1040
Date Received: 11/29/2011 1150

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84564	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.17 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/09/2011 1830			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.37
Acenaphthylene		ND		0.37
Anthracene		ND		0.37
Benzo[a]anthracene		ND		0.37
Benzo[a]pyrene		ND		0.37
Benzo[b]fluoranthene		ND		0.37
Benzo[g,h,i]perylene		ND		0.37
Benzo[k]fluoranthene		ND		0.37
Chrysene		ND		0.37
Dibenz(a,h)anthracene		ND		0.37
Fluoranthene		ND		0.37
Fluorene		ND		0.37
Indeno[1,2,3-cd]pyrene		ND		0.37
2-Methylnaphthalene		ND		0.37
Naphthalene		ND		0.37
Phenanthrene		ND		0.37
Pyrene		ND		0.37
C11-C22 Aromatics (unadjusted)		ND		3.7
C11-C22 Aromatics (Adjusted)		ND		3.7
C19-C36 Aliphatics		ND		3.7
C9-C18 Aliphatics		ND		3.7
Total EPH		ND		3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	71		40 - 140
2-Fluorobiphenyl	70		40 - 140
o-Terphenyl	71		40 - 140
1-Chlorooctadecane	67		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB301-0608**

Lab Sample ID: 360-37832-1
Client Matrix: Solid
% Moisture: 22.0

Date Sampled: 11/28/2011 1503
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.63 g
Analysis Date:	12/01/2011 1319			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		ND		1.6
Barium		75		0.79
Cadmium		ND		0.31
Chromium		16		0.79
Lead		17		0.79
Selenium		ND		0.79
Silver		ND		0.79

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.26 g
Analysis Date:	12/08/2011 1546			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		1.3		0.099

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB302-0810**

Lab Sample ID: 360-37832-2
Client Matrix: Solid
% Moisture: 10.3

Date Sampled: 11/28/2011 1540
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.96 g
Analysis Date:	12/01/2011 1333			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.4		1.1
Barium		59		0.57
Cadmium		ND		0.23
Chromium		14		0.57
Lead		5.6		0.57
Selenium		ND		0.57
Silver		ND		0.57

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Analysis Date:	12/08/2011 1548			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.080

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB133-0002**

Lab Sample ID: 360-37832-3
Client Matrix: Solid
% Moisture: 10.4

Date Sampled: 11/28/2011 1337
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.90 g
Analysis Date:	12/01/2011 1336			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		2.0		1.2
Barium		54		0.59
Cadmium		ND		0.23
Chromium		7.9		0.59
Lead		27		0.59
Selenium		ND		0.59
Silver		ND		0.59

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.26 g
Analysis Date:	12/08/2011 1550			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.086

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SBDUP01**

Lab Sample ID: 360-37832-4
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 11/28/2011 0000
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.65 g
Analysis Date:	12/01/2011 1345			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.4		1.3
Barium		11		0.65
Cadmium		ND		0.26
Chromium		7.2		0.65
Lead		2.4		0.65
Selenium		ND		0.65
Silver		ND		0.65

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Analysis Date:	12/08/2011 1552			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.076

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB131-1012**

Lab Sample ID: 360-37832-5
Client Matrix: Solid
% Moisture: 9.0

Date Sampled: 11/28/2011 1405
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.71 g
Analysis Date:	12/01/2011 1348			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.7		1.3
Barium		84		0.64
Cadmium		ND		0.26
Chromium		22		0.64
Lead		6.5		0.64
Selenium		ND		0.64
Silver		ND		0.64

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.25 g
Analysis Date:	12/08/2011 1557			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.088

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB128-0002**

Lab Sample ID: 360-37832-6
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 11/28/2011 1215
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.52 g
Analysis Date:	12/01/2011 1351			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.6		1.4
Barium		35		0.72
Cadmium		0.93		0.29
Chromium		12		0.72
Lead		3.7		0.72
Selenium		ND		0.72
Silver		ND		0.72

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Analysis Date:	12/08/2011 1559			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.078

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB303-0204**

Lab Sample ID: 360-37832-7
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 11/28/2011 1600
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.74 g
Analysis Date:	12/01/2011 1354			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		3.5		1.3
Barium		50		0.66
Cadmium		ND		0.27
Chromium		9.8		0.66
Lead		56		0.66
Selenium		ND		0.66
Silver		ND		0.66

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.26 g
Analysis Date:	12/08/2011 1601			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.089

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB132-1012**

Lab Sample ID: 360-37832-8
Client Matrix: Solid
% Moisture: 13.5

Date Sampled: 11/28/2011 1200
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.82 g
Analysis Date:	12/01/2011 1357			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.8		1.3
Barium		82		0.64
Cadmium		ND		0.25
Chromium		17		0.64
Lead		5.9		0.64
Selenium		ND		0.64
Silver		ND		0.64

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.22 g
Analysis Date:	12/08/2011 1603			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.11

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB129-0204**

Lab Sample ID: 360-37832-9
Client Matrix: Solid
% Moisture: 5.9

Date Sampled: 11/28/2011 1050
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.84 g
Analysis Date:	12/01/2011 1400			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.2		1.2
Barium		10		0.58
Cadmium		ND		0.23
Chromium		6.0		0.58
Lead		1.9		0.58
Selenium		ND		0.58
Silver		ND		0.58

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0			Initial Weight/Volume:	0.23 g
Analysis Date:	12/08/2011 1605			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.092

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Client Sample ID: **BC-SO-SB130-0810**

Lab Sample ID: 360-37832-10
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 11/28/2011 1040
Date Received: 11/29/2011 1150

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0			Initial Weight/Volume:	1.57 g
Analysis Date:	12/01/2011 1403			Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.8		1.5
Barium		55		0.73
Cadmium		ND		0.29
Chromium		25		0.73
Lead		6.9		0.73
Selenium		ND		0.73
Silver		ND		0.73

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.21 g
Analysis Date:	12/09/2011 1202			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.11

General Chemistry

Client Sample ID: **BC-SO-SB301-0608**

Lab Sample ID: 360-37832-1
Client Matrix: Solid

Date Sampled: 11/28/2011 1503
Date Received: 11/29/2011 1150

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	22		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N
Percent Solids	78		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SB302-0810**

Lab Sample ID: 360-37832-2
Client Matrix: Solid

Date Sampled: 11/28/2011 1540
Date Received: 11/29/2011 1150

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	10		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N
Percent Solids	90		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SB133-0002**

Lab Sample ID: 360-37832-3
Client Matrix: Solid

Date Sampled: 11/28/2011 1337
Date Received: 11/29/2011 1150

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	10		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N
Percent Solids	90		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SBDUP01**

Lab Sample ID: 360-37832-4
Client Matrix: Solid

Date Sampled: 11/28/2011 0000
Date Received: 11/29/2011 1150

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	6.4		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N
Percent Solids	94		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SB131-1012**

Lab Sample ID: 360-37832-5
Client Matrix: Solid

Date Sampled: 11/28/2011 1405
Date Received: 11/29/2011 1150

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	9.0		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N
Percent Solids	91		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SB128-0002**

Lab Sample ID: 360-37832-6
Client Matrix: Solid

Date Sampled: 11/28/2011 1215
Date Received: 11/29/2011 1150

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	8.2		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N
Percent Solids	92		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SB303-0204**

Lab Sample ID: 360-37832-7
Client Matrix: Solid

Date Sampled: 11/28/2011 1600
Date Received: 11/29/2011 1150

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	13		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N
Percent Solids	87		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SB132-1012**

Lab Sample ID: 360-37832-8
Client Matrix: Solid

Date Sampled: 11/28/2011 1200
Date Received: 11/29/2011 1150

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	13		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N
Percent Solids	87		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SB129-0204**

Lab Sample ID: 360-37832-9
Client Matrix: Solid

Date Sampled: 11/28/2011 1050
Date Received: 11/29/2011 1150

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	5.9		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N
Percent Solids	94		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SB130-0810**

Lab Sample ID: 360-37832-10
Client Matrix: Solid

Date Sampled: 11/28/2011 1040
Date Received: 11/29/2011 1150

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	12		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N
Percent Solids	88		%	1.0	1.0	Moisture
Analysis Batch: 360-84063	Analysis Date: 11/30/2011 1031					DryWt Corrected: N

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	TOL %Rec	BFB %Rec
360-37832-1	BC-SO-SB301-0608	93	89	114
360-37832-2	BC-SO-SB302-0810	97	91	103
360-37832-3	BC-SO-SB133-0002	96	88	96
360-37832-4	BC-SO-SBDUP01	99	92	101
360-37832-5	BC-SO-SB131-1012	99	92	102
360-37832-6	BC-SO-SB128-0002	100	90	99
360-37832-7	BC-SO-SB303-0204	99	90	96
360-37832-8	BC-SO-SB132-1012	95	91	101
360-37832-9	BC-SO-SB129-0204	97	91	101
360-37832-10	BC-SO-SB130-0810	98	90	100
360-37832-11	BC-TB-112811	97	92	98
MB 360-84384/3-A		95	90	104
MB 360-84452/3-A		94	92	102
LCS 360-84384/1-A		89	96	97
LCS 360-84452/1-A		91	97	100
LCSD 360-84384/2-A		93	94	101
LCSD 360-84452/2-A		91	97	99

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Surrogate Recovery Report

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP1 %Rec	2BN1 %Rec	OTPH1 %Rec	1COD2 %Rec
360-37832-1	BC-SO-SB301-0608	67	67	60	51
360-37832-2	BC-SO-SB302-0810	70	71	65	60
360-37832-3	BC-SO-SB133-0002	67	67	66	67
360-37832-4	BC-SO-SBDUP01	68	68	66	73
360-37832-5	BC-SO-SB131-1012	64	64	67	69
360-37832-6	BC-SO-SB128-0002	65	66	72	76
360-37832-7	BC-SO-SB303-0204	62	63	70	58
360-37832-8	BC-SO-SB132-1012	66	67	72	71
360-37832-9	BC-SO-SB129-0204	67	68	68	69
360-37832-10	BC-SO-SB130-0810	70	71	71	67
MB 360-84105/1-A		71	70	60	68
LCS 360-84105/2-A		76	77	74	68
LCSD 360-84105/3-A		75	76	73	65

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	40-140
2BN = 2-Bromonaphthalene	40-140
OTPH = o-Terphenyl	40-140
1COD = 1-Chlorooctadecane	40-140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Method Blank - Batch: 360-84384

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-84384/3-A	Analysis Batch:	360-84385	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84384	Lab File ID:	V55213.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	12/01/2011 1925	Units:	ug/Kg	Final Weight/Volume:	10 g
Prep Date:	12/01/2011 1211				
Leach Date:	N/A				

Analyte	Result	Qual	RL
1,1,1,2-Tetrachloroethane	ND		130
1,1,1-Trichloroethane	ND		130
1,1,2,2-Tetrachloroethane	ND		130
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		630
1,1,2-Trichloroethane	ND		130
1,1-Dichloroethane	ND		130
1,1-Dichloroethene	ND		130
1,1-Dichloropropene	ND		130
1,2,3-Trichlorobenzene	ND		130
1,2,3-Trichloropropane	ND		130
1,2,4-Trichlorobenzene	ND		130
1,2,4-Trimethylbenzene	ND		130
1,2-Dibromo-3-Chloropropane	ND		1300
1,2-Dichlorobenzene	ND		130
1,2-Dichloroethane	ND		130
1,2-Dichloropropane	ND		130
1,3,5-Trimethylbenzene	ND		130
1,3-Dichlorobenzene	ND		130
1,3-Dichloropropane	ND		130
1,4-Dichlorobenzene	ND		130
2,2-Dichloropropane	ND		130
2-Butanone (MEK)	ND		1300
2-Chlorotoluene	ND		130
2-Hexanone	ND		1300
4-Chlorotoluene	ND		130
4-Isopropyltoluene	ND		130
4-Methyl-2-pentanone (MIBK)	ND		1300
Acetone	ND		13000
Acrylonitrile	ND		1300
Benzene	ND		130
Bromobenzene	ND		130
Bromoform	ND		130
Bromomethane	ND		250
Carbon disulfide	ND		130
Carbon tetrachloride	ND		130
Chlorobenzene	ND		130
Chlorodibromomethane	ND		130
Chloroethane	ND		250
Chloroform	ND		130
Chloromethane	ND		250
cis-1,2-Dichloroethene	ND		130
cis-1,3-Dichloropropene	ND		130
Dibromomethane	ND		130
Dichlorobromomethane	ND		130
Dichlorodifluoromethane	ND		250

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Method Blank - Batch: 360-84384

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-84384/3-A	Analysis Batch:	360-84385	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84384	Lab File ID:	V55213.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	12/01/2011 1925	Units:	ug/Kg	Final Weight/Volume:	10 g
Prep Date:	12/01/2011 1211				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Ethylbenzene	ND		130
Ethylene Dibromide	ND		130
Hexachlorobutadiene	ND		130
Isopropylbenzene	ND		130
m-Xylene & p-Xylene	ND		250
Methyl tert-butyl ether	ND		130
Methylene Chloride	ND		500
n-Butylbenzene	ND		130
N-Propylbenzene	ND		130
Naphthalene	ND		1300
o-Xylene	ND		130
sec-Butylbenzene	ND		130
Styrene	ND		130
tert-Butylbenzene	ND		130
Tetrachloroethene	ND		130
Tetrahydrofuran	ND		2500
Toluene	ND		130
trans-1,2-Dichloroethene	ND		130
trans-1,3-Dichloropropene	ND		130
trans-1,4-Dichloro-2-butene	ND		250
Trichloroethene	ND		130
Trichlorofluoromethane	ND		250
Vinyl chloride	ND		130
Xylenes, Total	ND		250

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	104	70 - 130
Dibromofluoromethane	95	70 - 130
Toluene-d8 (Surr)	90	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84384

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84384/1-A	Analysis Batch:	360-84385	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84384	Lab File ID:	V55210.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	12/01/2011 1809	Units:	ug/Kg	Final Weight/Volume:	10 g
Prep Date:	12/01/2011 1211				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84384/2-A	Analysis Batch:	360-84385	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84384	Lab File ID:	V55211.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	12/01/2011 1834	Units:	ug/Kg	Final Weight/Volume:	10 g
Prep Date:	12/01/2011 1211				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	100	103	70 - 130	3	25		
1,1,1-Trichloroethane	97	93	70 - 130	4	25		
1,1,2,2-Tetrachloroethane	115	113	70 - 130	2	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	87	86	70 - 130	1	25		
1,1,2-Trichloroethane	102	104	70 - 130	1	25		
1,1-Dichloroethane	105	106	70 - 130	1	25		
1,1-Dichloroethene	97	99	70 - 130	2	25		
1,1-Dichloropropene	111	109	70 - 130	2	25		
1,2,3-Trichlorobenzene	97	99	70 - 130	3	25		
1,2,3-Trichloropropane	92	97	70 - 130	6	25		
1,2,4-Trichlorobenzene	94	97	70 - 130	3	25		
1,2,4-Trimethylbenzene	110	111	70 - 130	1	25		
1,2-Dibromo-3-Chloropropane	91	96	70 - 130	5	25		
1,2-Dichlorobenzene	104	104	70 - 130	0	25		
1,2-Dichloroethane	98	103	70 - 130	5	25		
1,2-Dichloropropane	115	106	70 - 130	8	25		
1,3,5-Trimethylbenzene	125	122	70 - 130	3	25		
1,3-Dichlorobenzene	97	101	70 - 130	4	25		
1,3-Dichloropropane	89	91	70 - 130	2	25		
1,4-Dichlorobenzene	103	102	70 - 130	1	25		
2,2-Dichloropropane	107	95	70 - 130	11	25		
2-Butanone (MEK)	127	130	70 - 130	3	25		
2-Chlorotoluene	129	127	70 - 130	2	25		
2-Hexanone	126	120	70 - 130	5	25		
4-Chlorotoluene	103	110	70 - 130	7	25		
4-Isopropyltoluene	103	105	70 - 130	1	25		
4-Methyl-2-pentanone (MIBK)	135	125	70 - 130	7	25	*	
Acetone	125	121	70 - 130	4	25		
Acrylonitrile	110	122	70 - 130	11	25		
Benzene	108	109	70 - 130	1	25		
Bromobenzene	108	110	70 - 130	2	25		
Bromoform	84	87	70 - 130	3	25		
Bromomethane	107	103	70 - 130	3	25		
Carbon disulfide	104	105	70 - 130	1	25		
Carbon tetrachloride	107	89	70 - 130	18	25		
Chlorobenzene	103	105	70 - 130	2	25		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84384

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84384/1-A	Analysis Batch:	360-84385	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84384	Lab File ID:	V55210.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	12/01/2011 1809	Units:	ug/Kg	Final Weight/Volume:	10 g
Prep Date:	12/01/2011 1211				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84384/2-A	Analysis Batch:	360-84385	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84384	Lab File ID:	V55211.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	12/01/2011 1834	Units:	ug/Kg	Final Weight/Volume:	10 g
Prep Date:	12/01/2011 1211				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chlorodibromomethane	81	84	70 - 130	4	25		
Chloroethane	136	131	70 - 130	4	25	*	
Chloroform	102	104	70 - 130	2	25		
Chloromethane	116	112	70 - 130	4	25		
cis-1,2-Dichloroethene	106	109	70 - 130	3	25		
cis-1,3-Dichloropropene	108	104	70 - 130	4	25		
Dibromomethane	100	101	70 - 130	1	25		
Dichlorobromomethane	104	100	70 - 130	4	25		
Dichlorodifluoromethane	100	98	70 - 130	2	25		
Ethylbenzene	109	107	70 - 130	2	25		
Ethylene Dibromide	81	86	70 - 130	5	25		
Hexachlorobutadiene	95	95	70 - 130	1	25		
Isopropylbenzene	107	104	70 - 130	2	25		
m-Xylene & p-Xylene	130	130	70 - 130	0	25		
Methyl tert-butyl ether	102	108	70 - 130	6	25		
Methylene Chloride	95	100	70 - 130	5	25		
n-Butylbenzene	120	111	70 - 130	8	25		
N-Propylbenzene	138	135	70 - 130	2	25	*	
Naphthalene	101	104	70 - 130	2	25		
o-Xylene	108	108	70 - 130	0	25		
sec-Butylbenzene	106	105	70 - 130	1	25		
Styrene	103	108	70 - 130	5	25		
tert-Butylbenzene	104	105	70 - 130	1	25		
Tetrachloroethene	94	94	70 - 130	0	25		
Tetrahydrofuran	125	122	70 - 130	3	25		
Toluene	105	100	70 - 130	5	25		
trans-1,2-Dichloroethene	109	109	70 - 130	0	25		
trans-1,3-Dichloropropene	104	101	70 - 130	3	25		
trans-1,4-Dichloro-2-butene	129	137	70 - 130	6	25		
Trichloroethene	101	98	70 - 130	3	25		
Trichlorofluoromethane	94	92	70 - 130	2	25		
Vinyl chloride	108	105	70 - 130	2	25		
Xylenes, Total	123	123	70 - 130	0	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	101	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Dibromofluoromethane	89	93	70 - 130
Toluene-d8 (Surr)	96	94	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84384

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84384/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-84384/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/01/2011 1809			Analysis Date:	12/01/2011 1834
Prep Date:	12/01/2011 1211			Prep Date:	12/01/2011 1211
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
1,1,1,2-Tetrachloroethane	5000	5000	4980		5130
1,1,1-Trichloroethane	5000	5000	4830		4650
1,1,2,2-Tetrachloroethane	5000	5000	5750		5650
1,1,2-Trichloro-1,2,2-trifluoroethane	5000	5000	4330		4280
1,1,2-Trichloroethane	5000	5000	5100		5180
1,1-Dichloroethane	5000	5000	5230		5300
1,1-Dichloroethene	5000	5000	4850		4950
1,1-Dichloropropene	5000	5000	5550		5450
1,2,3-Trichlorobenzene	5000	5000	4830		4950
1,2,3-Trichloropropane	5000	5000	4580		4850
1,2,4-Trichlorobenzene	5000	5000	4700		4850
1,2,4-Trimethylbenzene	5000	5000	5480		5530
1,2-Dibromo-3-Chloropropane	5000	5000	4550		4780
1,2-Dichlorobenzene	5000	5000	5180		5200
1,2-Dichloroethane	5000	5000	4880		5130
1,2-Dichloropropane	5000	5000	5730		5280
1,3,5-Trimethylbenzene	5000	5000	6250		6080
1,3-Dichlorobenzene	5000	5000	4830		5030
1,3-Dichloropropane	5000	5000	4450		4550
1,4-Dichlorobenzene	5000	5000	5150		5080
2,2-Dichloropropane	5000	5000	5330		4750
2-Butanone (MEK)	50000	50000	63400		65000
2-Chlorotoluene	5000	5000	6450		6330
2-Hexanone	50000	50000	63000		60100
4-Chlorotoluene	5000	5000	5130		5500
4-Isopropyltoluene	5000	5000	5150		5230
4-Methyl-2-pentanone (MIBK)	50000	50000	67400	*	62600
Acetone	50000	50000	62600		60400
Acrylonitrile	5000	5000	5480		6100
Benzene	5000	5000	5380		5430
Bromobenzene	5000	5000	5380		5480
Bromoform	5000	5000	4200		4330
Bromomethane	5000	5000	5330		5150
Carbon disulfide	5000	5000	5180		5230
Carbon tetrachloride	5000	5000	5350		4450
Chlorobenzene	5000	5000	5150		5250
Chlorodibromomethane	5000	5000	4050		4200
Chloroethane	5000	5000	6780	*	6530
Chloroform	5000	5000	5100		5200

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84384

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84384/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-84384/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/01/2011 1809			Analysis Date:	12/01/2011 1834
Prep Date:	12/01/2011 1211			Prep Date:	12/01/2011 1211
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
Chloromethane	5000	5000	5800		5580
cis-1,2-Dichloroethene	5000	5000	5280		5450
cis-1,3-Dichloropropene	5000	5000	5380		5180
Dibromomethane	5000	5000	4980		5050
Dichlorobromomethane	5000	5000	5200		5000
Dichlorodifluoromethane	5000	5000	4980		4880
Ethylbenzene	5000	5000	5450		5330
Ethylene Dibromide	5000	5000	4050		4280
Hexachlorobutadiene	5000	5000	4750		4730
Isopropylbenzene	5000	5000	5330		5200
m-Xylene & p-Xylene	10000	10000	13000		13000
Methyl tert-butyl ether	5000	5000	5080		5380
Methylene Chloride	5000	5000	4750		4980
n-Butylbenzene	5000	5000	5980		5530
N-Propylbenzene	5000	5000	6900	*	6750
Naphthalene	5000	5000	5050		5180
o-Xylene	5000	5000	5400		5380
sec-Butylbenzene	5000	5000	5300		5230
Styrene	5000	5000	5150		5400
tert-Butylbenzene	5000	5000	5180		5250
Tetrachloroethene	5000	5000	4680		4680
Tetrahydrofuran	50000	50000	62700		61100
Toluene	5000	5000	5250		5000
trans-1,2-Dichloroethene	5000	5000	5450		5430
trans-1,3-Dichloropropene	5000	5000	5180		5030
trans-1,4-Dichloro-2-butene	5000	5000	6430		6830
Trichloroethene	5000	5000	5030		4880
Trichlorofluoromethane	5000	5000	4700		4600
Vinyl chloride	5000	5000	5380		5250
Xylenes, Total	15000	15000	18400		18400

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Method Blank - Batch: 360-84452

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-84452/3-A	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84452	Lab File ID:	V55238.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/06/2011 1925	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				
Leach Date:	N/A				

Analyte	Result	Qual	RL
1,1,1,2-Tetrachloroethane	ND		2.5
1,1,1-Trichloroethane	ND		2.5
1,1,2,2-Tetrachloroethane	ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13
1,1,2-Trichloroethane	ND		2.5
1,1-Dichloroethane	ND		2.5
1,1-Dichloroethene	ND		2.5
1,1-Dichloropropene	ND		2.5
1,2,3-Trichlorobenzene	ND		2.5
1,2,3-Trichloropropane	ND		2.5
1,2,4-Trichlorobenzene	ND		2.5
1,2,4-Trimethylbenzene	ND		2.5
1,2-Dibromo-3-Chloropropane	ND		25
1,2-Dichlorobenzene	ND		2.5
1,2-Dichloroethane	ND		2.5
1,2-Dichloropropane	ND		2.5
1,3,5-Trimethylbenzene	ND		2.5
1,3-Dichlorobenzene	ND		2.5
1,3-Dichloropropane	ND		2.5
1,4-Dichlorobenzene	ND		2.5
2,2-Dichloropropane	ND		2.5
2-Butanone (MEK)	ND		25
2-Chlorotoluene	ND		2.5
2-Hexanone	ND		25
4-Chlorotoluene	ND		2.5
4-Isopropyltoluene	ND		2.5
4-Methyl-2-pentanone (MIBK)	ND		25
Acetone	ND		250
Acrylonitrile	ND		25
Benzene	ND		2.5
Bromobenzene	ND		2.5
Bromoform	ND		2.5
Bromomethane	ND		5.0
Carbon disulfide	ND		2.5
Carbon tetrachloride	ND		2.5
Chlorobenzene	ND		2.5
Chlorodibromomethane	ND		2.5
Chloroethane	ND		5.0
Chloroform	ND		2.5
Chloromethane	ND		5.0
cis-1,2-Dichloroethene	ND		2.5
cis-1,3-Dichloropropene	ND		2.5
Dibromomethane	ND		2.5
Dichlorobromomethane	ND		2.5
Dichlorodifluoromethane	ND		5.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Method Blank - Batch: 360-84452

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-84452/3-A	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84452	Lab File ID:	V55238.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/06/2011 1925	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Ethylbenzene	ND		2.5
Ethylene Dibromide	ND		2.5
Hexachlorobutadiene	ND		2.5
Isopropylbenzene	ND		2.5
m-Xylene & p-Xylene	ND		5.0
Methyl tert-butyl ether	ND		2.5
Methylene Chloride	ND		10
n-Butylbenzene	ND		2.5
N-Propylbenzene	ND		2.5
Naphthalene	ND		25
o-Xylene	ND		2.5
sec-Butylbenzene	ND		2.5
Styrene	ND		2.5
tert-Butylbenzene	ND		2.5
Tetrachloroethene	ND		2.5
Tetrahydrofuran	ND		50
Toluene	ND		2.5
trans-1,2-Dichloroethene	ND		2.5
trans-1,3-Dichloropropene	ND		2.5
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		2.5
Trichlorofluoromethane	ND		5.0
Vinyl chloride	ND		2.5
Xylenes, Total	ND		5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	102	70 - 130
Dibromofluoromethane	94	70 - 130
Toluene-d8 (Surr)	92	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84452

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84452/1-A	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84452	Lab File ID:	V55235.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/06/2011 1808	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84452/2-A	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84452	Lab File ID:	V55236.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/06/2011 1833	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	96	91	70 - 130	6	25		
1,1,1-Trichloroethane	96	87	70 - 130	10	25		
1,1,2,2-Tetrachloroethane	107	112	70 - 130	5	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	86	79	70 - 130	9	25		
1,1,2-Trichloroethane	104	106	70 - 130	2	25		
1,1-Dichloroethane	100	95	70 - 130	6	25		
1,1-Dichloroethene	94	88	70 - 130	7	25		
1,1-Dichloropropene	107	98	70 - 130	9	25		
1,2,3-Trichlorobenzene	94	92	70 - 130	2	25		
1,2,3-Trichloropropane	89	90	70 - 130	2	25		
1,2,4-Trichlorobenzene	92	90	70 - 130	2	25		
1,2,4-Trimethylbenzene	108	99	70 - 130	8	25		
1,2-Dibromo-3-Chloropropane	89	90	70 - 130	1	25		
1,2-Dichlorobenzene	95	96	70 - 130	1	25		
1,2-Dichloroethane	94	95	70 - 130	1	25		
1,2-Dichloropropane	112	109	70 - 130	2	25		
1,3,5-Trimethylbenzene	122	110	70 - 130	10	25		
1,3-Dichlorobenzene	94	90	70 - 130	5	25		
1,3-Dichloropropane	90	93	70 - 130	3	25		
1,4-Dichlorobenzene	95	93	70 - 130	2	25		
2,2-Dichloropropane	106	85	70 - 130	22	25		
2-Butanone (MEK)	115	125	70 - 130	8	25		
2-Chlorotoluene	126	115	70 - 130	9	25		
2-Hexanone	125	136	70 - 130	8	25		
4-Chlorotoluene	101	97	70 - 130	4	25		
4-Isopropyltoluene	101	94	70 - 130	8	25		
4-Methyl-2-pentanone (MIBK)	135	143	70 - 130	6	25	*	
Acetone	122	115	70 - 130	6	25		
Acrylonitrile	110	114	70 - 130	4	25		
Benzene	105	100	70 - 130	4	25		
Bromobenzene	105	102	70 - 130	3	25		
Bromoform	79	82	70 - 130	4	25		
Bromomethane	102	88	70 - 130	14	25		
Carbon disulfide	95	88	70 - 130	7	25		
Carbon tetrachloride	108	82	70 - 130	27	25		
Chlorobenzene	99	96	70 - 130	4	25		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84452

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84452/1-A	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84452	Lab File ID:	V55235.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/06/2011 1808	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84452/2-A	Analysis Batch:	360-84468	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84452	Lab File ID:	V55236.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/06/2011 1833	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/06/2011 1532				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chlorodibromomethane	82	83	70 - 130	1	25		
Chloroethane	126	111	70 - 130	13	25		
Chloroform	99	95	70 - 130	4	25		
Chloromethane	112	100	70 - 130	11	25		
cis-1,2-Dichloroethene	103	98	70 - 130	5	25		
cis-1,3-Dichloropropene	107	108	70 - 130	1	25		
Dibromomethane	98	100	70 - 130	3	25		
Dichlorobromomethane	102	101	70 - 130	1	25		
Dichlorodifluoromethane	92	82	70 - 130	12	25		
Ethylbenzene	105	100	70 - 130	5	25		
Ethylene Dibromide	82	84	70 - 130	2	25		
Hexachlorobutadiene	90	85	70 - 130	6	25		
Isopropylbenzene	104	96	70 - 130	9	25		
m-Xylene & p-Xylene	127	119	70 - 130	7	25		
Methyl tert-butyl ether	99	99	70 - 130	1	25		
Methylene Chloride	99	98	70 - 130	1	25		
n-Butylbenzene	113	107	70 - 130	6	25		
N-Propylbenzene	134	123	70 - 130	9	25	*	
Naphthalene	100	99	70 - 130	1	25		
o-Xylene	106	100	70 - 130	6	25		
sec-Butylbenzene	105	96	70 - 130	9	25		
Styrene	101	98	70 - 130	3	25		
tert-Butylbenzene	101	92	70 - 130	9	25		
Tetrachloroethene	91	86	70 - 130	5	25		
Tetrahydrofuran	110	117	70 - 130	6	25		
Toluene	104	100	70 - 130	4	25		
trans-1,2-Dichloroethene	102	96	70 - 130	6	25		
trans-1,3-Dichloropropene	104	108	70 - 130	4	25		
trans-1,4-Dichloro-2-butene	132	134	70 - 130	2	25	*	
Trichloroethene	99	93	70 - 130	6	25		
Trichlorofluoromethane	97	84	70 - 130	14	25		
Vinyl chloride	103	92	70 - 130	11	25		
Xylenes, Total	120	113	70 - 130	6	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	99	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Dibromofluoromethane	91	91	70 - 130
Toluene-d8 (Surr)	97	97	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84452

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84452/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-84452/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/06/2011 1808			Analysis Date:	12/06/2011 1833
Prep Date:	12/06/2011 1532			Prep Date:	12/06/2011 1532
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
1,1,1,2-Tetrachloroethane	100	100	96.0		90.5
1,1,1-Trichloroethane	100	100	95.5		86.5
1,1,2,2-Tetrachloroethane	100	100	107		112
1,1,2-Trichloro-1,2,2-trifluoroethane	100	100	86.0		78.5
1,1,2-Trichloroethane	100	100	104		106
1,1-Dichloroethane	100	100	100		94.5
1,1-Dichloroethene	100	100	93.5		87.5
1,1-Dichloropropene	100	100	107		97.5
1,2,3-Trichlorobenzene	100	100	93.5		91.5
1,2,3-Trichloropropane	100	100	88.5		90.0
1,2,4-Trichlorobenzene	100	100	91.5		89.5
1,2,4-Trimethylbenzene	100	100	108		99.0
1,2-Dibromo-3-Chloropropane	100	100	89.0		90.0
1,2-Dichlorobenzene	100	100	94.5		95.5
1,2-Dichloroethane	100	100	94.0		94.5
1,2-Dichloropropane	100	100	112		109
1,3,5-Trimethylbenzene	100	100	122		110
1,3-Dichlorobenzene	100	100	94.0		89.5
1,3-Dichloropropane	100	100	90.0		93.0
1,4-Dichlorobenzene	100	100	94.5		92.5
2,2-Dichloropropane	100	100	106		85.0
2-Butanone (MEK)	1000	1000	1150		1250
2-Chlorotoluene	100	100	126		115
2-Hexanone	1000	1000	1250		1360
4-Chlorotoluene	100	100	101		97.0
4-Isopropyltoluene	100	100	101		93.5
4-Methyl-2-pentanone (MIBK)	1000	1000	1350	*	1430
Acetone	1000	1000	1220		1150
Acrylonitrile	100	100	110		114
Benzene	100	100	105		100
Bromobenzene	100	100	105		102
Bromoform	100	100	78.5		82.0
Bromomethane	100	100	102		88.0
Carbon disulfide	100	100	94.5		88.0
Carbon tetrachloride	100	100	108		82.0
Chlorobenzene	100	100	99.0		95.5
Chlorodibromomethane	100	100	81.5		82.5
Chloroethane	100	100	126		111
Chloroform	100	100	98.5		95.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84452

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84452/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-84452/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/06/2011 1808			Analysis Date:	12/06/2011 1833
Prep Date:	12/06/2011 1532			Prep Date:	12/06/2011 1532
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
Chloromethane	100	100	112		99.5
cis-1,2-Dichloroethene	100	100	103		97.5
cis-1,3-Dichloropropene	100	100	107		108
Dibromomethane	100	100	97.5		100
Dichlorobromomethane	100	100	102		101
Dichlorodifluoromethane	100	100	92.0		81.5
Ethylbenzene	100	100	105		100
Ethylene Dibromide	100	100	81.5		83.5
Hexachlorobutadiene	100	100	90.0		84.5
Isopropylbenzene	100	100	104		95.5
m-Xylene & p-Xylene	200	200	254		238
Methyl tert-butyl ether	100	100	99.0		98.5
Methylene Chloride	100	100	98.5		98.0
n-Butylbenzene	100	100	113		107
N-Propylbenzene	100	100	134	*	123
Naphthalene	100	100	99.5		99.0
o-Xylene	100	100	106		99.5
sec-Butylbenzene	100	100	105		95.5
Styrene	100	100	101		98.0
tert-Butylbenzene	100	100	101		92.0
Tetrachloroethene	100	100	90.5		86.0
Tetrahydrofuran	1000	1000	1100		1170
Toluene	100	100	104		100
trans-1,2-Dichloroethene	100	100	102		96.0
trans-1,3-Dichloropropene	100	100	104		108
trans-1,4-Dichloro-2-butene	100	100	132	*	134
Trichloroethene	100	100	98.5		93.0
Trichlorofluoromethane	100	100	96.5		84.0
Vinyl chloride	100	100	103		91.5
Xylenes, Total	300	300	360		338

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Method Blank - Batch: 360-84105

Method: MA-EPH
Preparation: 3546

Lab Sample ID:	MB 360-84105/1-A	Analysis Batch:	360-84518	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-84105	Lab File ID:	R401925.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/09/2011 1026	Units:	mg/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	11/30/2011 1455			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	RL
Acenaphthene	ND		0.33
Acenaphthylene	ND		0.33
Anthracene	ND		0.33
Benzo[a]anthracene	ND		0.33
Benzo[a]pyrene	ND		0.33
Benzo[b]fluoranthene	ND		0.33
Benzo[g,h,i]perylene	ND		0.33
Benzo[k]fluoranthene	ND		0.33
Chrysene	ND		0.33
Dibenz(a,h)anthracene	ND		0.33
Fluoranthene	ND		0.33
Fluorene	ND		0.33
Indeno[1,2,3-cd]pyrene	ND		0.33
2-Methylnaphthalene	ND		0.33
Naphthalene	ND		0.33
Phenanthrene	ND		0.33
Pyrene	ND		0.33
C11-C22 Aromatics (unadjusted)	ND		3.3
C11-C22 Aromatics (Adjusted)	ND		3.3
C19-C36 Aliphatics	ND		3.3
C9-C18 Aliphatics	ND		3.3
Total EPH	ND		3.3

Surrogate	% Rec	Acceptance Limits
2-Bromonaphthalene	70	40 - 140
2-Fluorobiphenyl	71	40 - 140
o-Terphenyl	60	40 - 140
1-Chlorooctadecane	68	40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84105

Method: MA-EPH
Preparation: 3546

LCS Lab Sample ID:	LCS 360-84105/2-A	Analysis Batch:	360-84518	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-84105	Lab File ID:	R401913.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/09/2011 0552	Units:	mg/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	11/30/2011 1455			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 360-84105/3-A	Analysis Batch:	360-84518	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-84105	Lab File ID:	R401915.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/09/2011 0627	Units:	mg/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	11/30/2011 1455			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	72	71	40 - 140	2	25		
Acenaphthylene	70	69	40 - 140	2	25		
Anthracene	86	85	40 - 140	2	25		
Benzo[a]anthracene	97	95	40 - 140	1	25		
Benzo[a]pyrene	95	94	40 - 140	1	25		
Benzo[b]fluoranthene	100	98	40 - 140	2	25		
Benzo[g,h,i]perylene	94	93	40 - 140	1	25		
Benzo[k]fluoranthene	101	101	40 - 140	0	25		
Chrysene	94	93	40 - 140	2	25		
Dibenz(a,h)anthracene	93	92	40 - 140	1	25		
Fluoranthene	87	86	40 - 140	2	25		
Fluorene	77	76	40 - 140	2	25		
Indeno[1,2,3-cd]pyrene	97	97	40 - 140	1	25		
2-Methylnaphthalene	71	70	40 - 140	1	25		
Naphthalene	64	63	40 - 140	2	25		
Phenanthrene	81	80	40 - 140	1	25		
Pyrene	84	83	40 - 140	2	25		
C11-C22 Aromatics (unadjusted)	89	88	40 - 140	1	25		
C19-C36 Aliphatics	88	86	40 - 140	3	25		
C9-C18 Aliphatics	62	59	40 - 140	6	25		
C19	81	78	40 - 140	4	25		
Dodecane	64	61	40 - 140	5	25		
Hexadecane	76	73	40 - 140	5	25		
icosane	82	79	40 - 140	3	25		
n-Decane	52	49	40 - 140	6	25		
n-Docosane	80	78	40 - 140	3	25		
n-Hexacosane	85	83	40 - 140	2	25		
n-Hexatriacontane	89	85	40 - 140	4	25		
n-Nonane	43	40	30 - 140	7	25		
n-Octacosane	83	81	40 - 140	2	25		
n-Octadecane	80	77	40 - 140	4	25		
n-Tetracosane	80	78	40 - 140	2	25		
n-Tetradecane	73	70	40 - 140	4	25		
Triacontane	82	80	40 - 140	2	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Bromonaphthalene	77	76	40 - 140
2-Fluorobiphenyl	76	75	40 - 140
o-Terphenyl	74	73	40 - 140
1-Chlorooctadecane	68	65	40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84105

Method: MA-EPH
Preparation: 3546

LCS Lab Sample ID:	LCS 360-84105/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-84105/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/09/2011 0552			Analysis Date:	12/09/2011 0627
Prep Date:	11/30/2011 1455			Prep Date:	11/30/2011 1455
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Acenaphthene	3.33	3.33	2.39	2.35
Acenaphthylene	3.33	3.33	2.34	2.30
Anthracene	3.33	3.33	2.87	2.82
Benzo[a]anthracene	3.33	3.33	3.22	3.17
Benzo[a]pyrene	3.33	3.33	3.17	3.13
Benzo[b]fluoranthene	3.33	3.33	3.34	3.27
Benzo[g,h,i]perylene	3.33	3.33	3.15	3.11
Benzo[k]fluoranthene	3.33	3.33	3.38	3.37
Chrysene	3.33	3.33	3.15	3.09
Dibenz(a,h)anthracene	3.33	3.33	3.09	3.05
Fluoranthene	3.33	3.33	2.91	2.86
Fluorene	3.33	3.33	2.58	2.53
Indeno[1,2,3-cd]pyrene	3.33	3.33	3.25	3.22
2-Methylnaphthalene	3.33	3.33	2.37	2.33
Naphthalene	3.33	3.33	2.14	2.10
Phenanthrene	3.33	3.33	2.71	2.67
Pyrene	3.33	3.33	2.81	2.76
C11-C22 Aromatics (unadjusted)	56.7	56.7	50.4	49.7
C19-C36 Aliphatics	26.7	26.7	23.6	22.9
C9-C18 Aliphatics	20.0	20.0	12.5	11.8
C19	3.33	3.33	2.71	2.61
Dodecane	3.33	3.33	2.15	2.04
Hexadecane	3.33	3.33	2.54	2.43
icosane	3.33	3.33	2.72	2.65
n-Decane	3.33	3.33	1.75	1.64
n-Docosane	3.33	3.33	2.67	2.59
n-Hexacosane	3.33	3.33	2.85	2.78
n-Hexatriacontane	3.33	3.33	2.96	2.85
n-Nonane	3.33	3.33	1.42	1.33
n-Octacosane	3.33	3.33	2.78	2.71
n-Octadecane	3.33	3.33	2.67	2.58
n-Tetracosane	3.33	3.33	2.65	2.59
n-Tetradecane	3.33	3.33	2.44	2.33
Triacontane	3.33	3.33	2.74	2.67

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Method Blank - Batch: 360-84078

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 360-84078/1-A	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	12/01/2011 1310	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Arsenic	ND		1.0
Barium	ND		0.50
Cadmium	ND		0.20
Chromium	ND		0.50
Lead	ND		0.50
Selenium	ND		0.50
Silver	ND		0.50

LCS-Certified Reference Material/ LCSD - Certified Reference Material Recovery Report - Batch: 360-84078

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCSSRM 360-84078/2-A	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	12/01/2011 1313	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCDSRM 360-84078/3-A	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	12/01/2011 1316	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Arsenic	92	94	61 - 117	2	30		
Barium	85	85	71.1 - 119	1	30		
Cadmium	85	90	65.6 - 113	5	30		
Chromium	94	93	68.0 - 124	1	30		
Lead	83	83	64.8 - 110	1	30		
Selenium	80	83	53.1 - 110	4	30		
Silver	85	85	56.9 - 113	0	30		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84078

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCSSRM 360-84078/2-A	Units: mg/Kg		LCSD Lab Sample ID:	LCDSRM 360-84078/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/01/2011 1313			Analysis Date:	12/01/2011 1316
Prep Date:	11/30/2011 1047			Prep Date:	11/30/2011 1047
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	90.0	90.0	83.0	85.0
Barium	730	730	622	617
Cadmium	106	106	90.4	95.4
Chromium	272	272	256	254
Lead	267	267	223	221
Selenium	154	154	123	128
Silver	67.5	67.5	57.4	57.4

Matrix Spike - Batch: 360-84078

Method: 6010B
Preparation: 3050B

Lab Sample ID:	360-37832-1	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.63 g
Analysis Date:	12/01/2011 1325	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	ND	78.7	72.5	91	75 - 125	
Barium	75	78.7	132	73	75 - 125	F
Cadmium	ND	78.7	70.7	90	75 - 125	
Chromium	16	78.7	82.4	84	75 - 125	
Lead	17	78.7	98.6	103	75 - 125	
Selenium	ND	78.7	68.8	87	75 - 125	
Silver	ND	78.7	69.5	88	75 - 125	

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Duplicate - Batch: 360-84078

Method: 6010B
Preparation: 3050B

Lab Sample ID:	360-37832-1	Analysis Batch:	360-84202	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-84078	Lab File ID:	120111c.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.62 g
Analysis Date:	12/01/2011 1322	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/30/2011 1047				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	ND	ND	NC	35	
Barium	75	57.9	25	35	
Cadmium	ND	ND	NC	35	
Chromium	16	13.6	17	35	
Lead	17	7.04	84	35	F
Selenium	ND	ND	NC	35	
Silver	ND	ND	NC	35	

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Method Blank - Batch: 360-84495

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 360-84495/1-A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.20 g
Analysis Date:	12/08/2011 1512	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Mercury	ND		0.10

LCS-Certified Reference Material/
LCSD - Certified Reference Material Recovery Report - Batch: 360-84495

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID:	LCSSRM 360-84495/2-A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.10 g
Analysis Date:	12/08/2011 1514	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCDSRM 360-84495/3-A	Analysis Batch:	360-84525	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-84495	Lab File ID:	120811.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.10 g
Analysis Date:	12/08/2011 1516	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1009				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	86	83	46.5 - 135	3	30		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84495

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID:	LCSSRM 360-84495/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCDSRM 360-84495/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	12/08/2011 1514			Analysis Date:	12/08/2011 1516
Prep Date:	12/08/2011 1009			Prep Date:	12/08/2011 1009
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	10.3	10.3	8.83	8.55

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Method Blank - Batch: 360-84497

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 360-84497/1-A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.20 g
Analysis Date:	12/09/2011 1151	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Mercury	ND		0.10

LCS-Certified Reference Material/
LCSD - Certified Reference Material Recovery Report - Batch: 360-84497

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID:	LCSSRM 360-84497/2-A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.10 g
Analysis Date:	12/09/2011 1153	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCDSRM 360-84497/3-A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.10 g
Analysis Date:	12/09/2011 1154	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	91	84	46.5 - 135	8	30		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84497

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID:	LCSSRM 360-84497/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCDSRM 360-84497/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	12/09/2011 1153			Analysis Date:	12/09/2011 1154
Prep Date:	12/08/2011 1014			Prep Date:	12/08/2011 1014
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	10.3	10.3	9.33	8.63

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Duplicate - Batch: 360-84063

Method: Moisture
Preparation: N/A

Lab Sample ID:	360-37832-1	Analysis Batch:	360-84063	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/30/2011 1031	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	22	22	0.2	20	
Percent Solids	78	78	0.07	20	

DATA REPORTING QUALIFIERS

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
Metals		
	F	Duplicate RPD exceeds the control limit
	^	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

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 360-84384					
LCS 360-84384/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-84384/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-84384/3-A	Method Blank	T	Solid	5035	
360-37832-1	BC-SO-SB301-0608	T	Solid	5035	
Analysis Batch:360-84385					
LCS 360-84384/1-A	Lab Control Sample	T	Solid	8260B	360-84384
LCSD 360-84384/2-A	Lab Control Sample Duplicate	T	Solid	8260B	360-84384
MB 360-84384/3-A	Method Blank	T	Solid	8260B	360-84384
360-37832-1	BC-SO-SB301-0608	T	Solid	8260B	360-84384
Prep Batch: 360-84452					
LCS 360-84452/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-84452/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-84452/3-A	Method Blank	T	Solid	5035	
360-37832-2	BC-SO-SB302-0810	T	Solid	5035	
360-37832-3	BC-SO-SB133-0002	T	Solid	5035	
360-37832-4	BC-SO-SBDUP01	T	Solid	5035	
360-37832-5	BC-SO-SB131-1012	T	Solid	5035	
360-37832-6	BC-SO-SB128-0002	T	Solid	5035	
360-37832-7	BC-SO-SB303-0204	T	Solid	5035	
360-37832-8	BC-SO-SB132-1012	T	Solid	5035	
360-37832-9	BC-SO-SB129-0204	T	Solid	5035	
360-37832-10	BC-SO-SB130-0810	T	Solid	5035	
360-37832-11	BC-TB-112811	T	Solid	5035	
Analysis Batch:360-84468					
LCS 360-84452/1-A	Lab Control Sample	T	Solid	8260B	360-84452
LCSD 360-84452/2-A	Lab Control Sample Duplicate	T	Solid	8260B	360-84452
MB 360-84452/3-A	Method Blank	T	Solid	8260B	360-84452
360-37832-2	BC-SO-SB302-0810	T	Solid	8260B	360-84452
360-37832-3	BC-SO-SB133-0002	T	Solid	8260B	360-84452
360-37832-4	BC-SO-SBDUP01	T	Solid	8260B	360-84452
360-37832-5	BC-SO-SB131-1012	T	Solid	8260B	360-84452
360-37832-6	BC-SO-SB128-0002	T	Solid	8260B	360-84452
360-37832-7	BC-SO-SB303-0204	T	Solid	8260B	360-84452
360-37832-8	BC-SO-SB132-1012	T	Solid	8260B	360-84452
360-37832-9	BC-SO-SB129-0204	T	Solid	8260B	360-84452
360-37832-10	BC-SO-SB130-0810	T	Solid	8260B	360-84452
360-37832-11	BC-TB-112811	T	Solid	8260B	360-84452

Report Basis
T = Total

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-84105					
LCS 360-84105/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-84105/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-84105/1-A	Method Blank	T	Solid	3546	
360-37832-1	BC-SO-SB301-0608	T	Solid	3546	
360-37832-2	BC-SO-SB302-0810	T	Solid	3546	
360-37832-3	BC-SO-SB133-0002	T	Solid	3546	
360-37832-4	BC-SO-SBDUP01	T	Solid	3546	
360-37832-5	BC-SO-SB131-1012	T	Solid	3546	
360-37832-6	BC-SO-SB128-0002	T	Solid	3546	
360-37832-7	BC-SO-SB303-0204	T	Solid	3546	
360-37832-8	BC-SO-SB132-1012	T	Solid	3546	
360-37832-9	BC-SO-SB129-0204	T	Solid	3546	
360-37832-10	BC-SO-SB130-0810	T	Solid	3546	
Analysis Batch:360-84518					
LCS 360-84105/2-A	Lab Control Sample	T	Solid	MA-EPH	360-84105
LCSD 360-84105/3-A	Lab Control Sample Duplicate	T	Solid	MA-EPH	360-84105
MB 360-84105/1-A	Method Blank	T	Solid	MA-EPH	360-84105
Analysis Batch:360-84564					
360-37832-1	BC-SO-SB301-0608	T	Solid	MA-EPH	360-84105
360-37832-2	BC-SO-SB302-0810	T	Solid	MA-EPH	360-84105
360-37832-3	BC-SO-SB133-0002	T	Solid	MA-EPH	360-84105
360-37832-4	BC-SO-SBDUP01	T	Solid	MA-EPH	360-84105
360-37832-5	BC-SO-SB131-1012	T	Solid	MA-EPH	360-84105
360-37832-6	BC-SO-SB128-0002	T	Solid	MA-EPH	360-84105
360-37832-7	BC-SO-SB303-0204	T	Solid	MA-EPH	360-84105
360-37832-8	BC-SO-SB132-1012	T	Solid	MA-EPH	360-84105
360-37832-9	BC-SO-SB129-0204	T	Solid	MA-EPH	360-84105
360-37832-10	BC-SO-SB130-0810	T	Solid	MA-EPH	360-84105

Report Basis
T = Total

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-84078					
LCSSRM 360-84078/2-A	LCS-Certified Reference Material	T	Solid	3050B	
LCDSRM 360-84078/3-A	LCSD - Certified Reference Material	T	Solid	3050B	
MB 360-84078/1-A	Method Blank	T	Solid	3050B	
360-37832-1	BC-SO-SB301-0608	T	Solid	3050B	
360-37832-1DU	Duplicate	T	Solid	3050B	
360-37832-1MS	Matrix Spike	T	Solid	3050B	
360-37832-2	BC-SO-SB302-0810	T	Solid	3050B	
360-37832-3	BC-SO-SB133-0002	T	Solid	3050B	
360-37832-4	BC-SO-SBDUP01	T	Solid	3050B	
360-37832-5	BC-SO-SB131-1012	T	Solid	3050B	
360-37832-6	BC-SO-SB128-0002	T	Solid	3050B	
360-37832-7	BC-SO-SB303-0204	T	Solid	3050B	
360-37832-8	BC-SO-SB132-1012	T	Solid	3050B	
360-37832-9	BC-SO-SB129-0204	T	Solid	3050B	
360-37832-10	BC-SO-SB130-0810	T	Solid	3050B	
Analysis Batch:360-84202					
LCSSRM 360-84078/2-A	LCS-Certified Reference Material	T	Solid	6010B	360-84078
LCDSRM 360-84078/3-A	LCSD - Certified Reference Material	T	Solid	6010B	360-84078
MB 360-84078/1-A	Method Blank	T	Solid	6010B	360-84078
360-37832-1	BC-SO-SB301-0608	T	Solid	6010B	360-84078
360-37832-1DU	Duplicate	T	Solid	6010B	360-84078
360-37832-1MS	Matrix Spike	T	Solid	6010B	360-84078
360-37832-2	BC-SO-SB302-0810	T	Solid	6010B	360-84078
360-37832-3	BC-SO-SB133-0002	T	Solid	6010B	360-84078
360-37832-4	BC-SO-SBDUP01	T	Solid	6010B	360-84078
360-37832-5	BC-SO-SB131-1012	T	Solid	6010B	360-84078
360-37832-6	BC-SO-SB128-0002	T	Solid	6010B	360-84078
360-37832-7	BC-SO-SB303-0204	T	Solid	6010B	360-84078
360-37832-8	BC-SO-SB132-1012	T	Solid	6010B	360-84078
360-37832-9	BC-SO-SB129-0204	T	Solid	6010B	360-84078
360-37832-10	BC-SO-SB130-0810	T	Solid	6010B	360-84078

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-84495					
LCSSRM 360-84495/2-A	LCS-Certified Reference Material	T	Solid	7471A	
LCDSRM 360-84495/3-A	LCSD - Certified Reference Material	T	Solid	7471A	
MB 360-84495/1-A	Method Blank	T	Solid	7471A	
360-37832-1	BC-SO-SB301-0608	T	Solid	7471A	
360-37832-2	BC-SO-SB302-0810	T	Solid	7471A	
360-37832-3	BC-SO-SB133-0002	T	Solid	7471A	
360-37832-4	BC-SO-SBDUP01	T	Solid	7471A	
360-37832-5	BC-SO-SB131-1012	T	Solid	7471A	
360-37832-6	BC-SO-SB128-0002	T	Solid	7471A	
360-37832-7	BC-SO-SB303-0204	T	Solid	7471A	
360-37832-8	BC-SO-SB132-1012	T	Solid	7471A	
360-37832-9	BC-SO-SB129-0204	T	Solid	7471A	
Prep Batch: 360-84497					
LCSSRM 360-84497/2-A	LCS-Certified Reference Material	T	Solid	7471A	
LCDSRM 360-84497/3-A	LCSD - Certified Reference Material	T	Solid	7471A	
MB 360-84497/1-A	Method Blank	T	Solid	7471A	
360-37832-10	BC-SO-SB130-0810	T	Solid	7471A	
Analysis Batch:360-84525					
LCSSRM 360-84495/2-A	LCS-Certified Reference Material	T	Solid	7471A	360-84495
LCDSRM 360-84495/3-A	LCSD - Certified Reference Material	T	Solid	7471A	360-84495
MB 360-84495/1-A	Method Blank	T	Solid	7471A	360-84495
360-37832-1	BC-SO-SB301-0608	T	Solid	7471A	360-84495
360-37832-2	BC-SO-SB302-0810	T	Solid	7471A	360-84495
360-37832-3	BC-SO-SB133-0002	T	Solid	7471A	360-84495
360-37832-4	BC-SO-SBDUP01	T	Solid	7471A	360-84495
360-37832-5	BC-SO-SB131-1012	T	Solid	7471A	360-84495
360-37832-6	BC-SO-SB128-0002	T	Solid	7471A	360-84495
360-37832-7	BC-SO-SB303-0204	T	Solid	7471A	360-84495
360-37832-8	BC-SO-SB132-1012	T	Solid	7471A	360-84495
360-37832-9	BC-SO-SB129-0204	T	Solid	7471A	360-84495
Analysis Batch:360-84566					
LCSSRM 360-84497/2-A	LCS-Certified Reference Material	T	Solid	7471A	360-84497
LCDSRM 360-84497/3-A	LCSD - Certified Reference Material	T	Solid	7471A	360-84497
MB 360-84497/1-A	Method Blank	T	Solid	7471A	360-84497
360-37832-10	BC-SO-SB130-0810	T	Solid	7471A	360-84497

Report Basis
T = Total

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
Sdg Number: 360-37832

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-84063					
360-37832-1	BC-SO-SB301-0608	T	Solid	Moisture	
360-37832-1DU	Duplicate	T	Solid	Moisture	
360-37832-2	BC-SO-SB302-0810	T	Solid	Moisture	
360-37832-3	BC-SO-SB133-0002	T	Solid	Moisture	
360-37832-4	BC-SO-SBDUP01	T	Solid	Moisture	
360-37832-5	BC-SO-SB131-1012	T	Solid	Moisture	
360-37832-6	BC-SO-SB128-0002	T	Solid	Moisture	
360-37832-7	BC-SO-SB303-0204	T	Solid	Moisture	
360-37832-8	BC-SO-SB132-1012	T	Solid	Moisture	
360-37832-9	BC-SO-SB129-0204	T	Solid	Moisture	
360-37832-10	BC-SO-SB130-0810	T	Solid	Moisture	

Report Basis
T = Total

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
SDG: 360-37832

Laboratory Chronicle

Lab ID: 360-37832-1 **Client ID:** BC-SO-SB301-0608

Sample Date/Time: 11/28/2011 15:03 Received Date/Time: 11/29/2011 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37832-C-1-A		360-84385	360-84384	12/01/2011 12:11	1	TAL WFD	BW
A:8260B	360-37832-C-1-A		360-84385	360-84384	12/01/2011 23:38	1	TAL WFD	CMR
P:3546	360-37832-A-1-D		360-84564	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37832-A-1-D		360-84564	360-84105	12/09/2011 13:24	1	TAL WFD	VMM
P:3050B	360-37832-A-1-A		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	360-37832-A-1-A		360-84202	360-84078	12/01/2011 13:19	1	TAL WFD	TJS
P:7471A	360-37832-A-1-F		360-84525	360-84495	12/08/2011 10:09	1	TAL WFD	OG
A:7471A	360-37832-A-1-F		360-84525	360-84495	12/08/2011 15:46	1	TAL WFD	TJS
A:Moisture	360-37832-A-1		360-84063		11/30/2011 10:31	1	TAL WFD	OG

Lab ID: 360-37832-1 MS **Client ID:** BC-SO-SB301-0608

Sample Date/Time: 11/28/2011 15:03 Received Date/Time: 11/29/2011 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	360-37832-A-1-C MS		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	360-37832-A-1-C MS		360-84202	360-84078	12/01/2011 13:25	1	TAL WFD	TJS

Lab ID: 360-37832-1 DU **Client ID:** BC-SO-SB301-0608

Sample Date/Time: 11/28/2011 15:03 Received Date/Time: 11/29/2011 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	360-37832-A-1-B DU		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	360-37832-A-1-B DU		360-84202	360-84078	12/01/2011 13:22	1	TAL WFD	TJS
A:Moisture	360-37832-A-1 DU		360-84063		11/30/2011 10:31	1	TAL WFD	OG

Lab ID: 360-37832-2 **Client ID:** BC-SO-SB302-0810

Sample Date/Time: 11/28/2011 15:40 Received Date/Time: 11/29/2011 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37832-D-2-A		360-84468	360-84452	12/06/2011 15:32	1	TAL WFD	BW
A:8260B	360-37832-D-2-A		360-84468	360-84452	12/06/2011 22:22	1	TAL WFD	BW
P:3546	360-37832-A-2-B		360-84564	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37832-A-2-B		360-84564	360-84105	12/09/2011 13:58	1	TAL WFD	VMM
P:3050B	360-37832-A-2-A		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	360-37832-A-2-A		360-84202	360-84078	12/01/2011 13:33	1	TAL WFD	TJS
P:7471A	360-37832-A-2-D		360-84525	360-84495	12/08/2011 10:09	1	TAL WFD	OG
A:7471A	360-37832-A-2-D		360-84525	360-84495	12/08/2011 15:48	1	TAL WFD	TJS
A:Moisture	360-37832-A-2		360-84063		11/30/2011 10:31	1	TAL WFD	OG

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
SDG: 360-37832

Laboratory Chronicle

Lab ID: 360-37832-3 **Client ID:** BC-SO-SB133-0002

Sample Date/Time: 11/28/2011 13:37 Received Date/Time: 11/29/2011 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37832-D-3-A		360-84468	360-84452	12/06/2011 15:32	1	TAL WFD	BW
A:8260B	360-37832-D-3-A		360-84468	360-84452	12/06/2011 22:48	1	TAL WFD	BW
P:3546	360-37832-A-3-B		360-84564	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37832-A-3-B		360-84564	360-84105	12/09/2011 14:32	1	TAL WFD	VMM
P:3050B	360-37832-A-3-A		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	360-37832-A-3-A		360-84202	360-84078	12/01/2011 13:36	1	TAL WFD	TJS
P:7471A	360-37832-A-3-D		360-84525	360-84495	12/08/2011 10:09	1	TAL WFD	OG
A:7471A	360-37832-A-3-D		360-84525	360-84495	12/08/2011 15:50	1	TAL WFD	TJS
A:Moisture	360-37832-A-3		360-84063		11/30/2011 10:31	1	TAL WFD	OG

Lab ID: 360-37832-4 **Client ID:** BC-SO-SBDUP01

Sample Date/Time: 11/28/2011 00:00 Received Date/Time: 11/29/2011 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37832-D-4-A		360-84468	360-84452	12/06/2011 15:32	1	TAL WFD	BW
A:8260B	360-37832-D-4-A		360-84468	360-84452	12/06/2011 23:13	1	TAL WFD	BW
P:3546	360-37832-A-4-B		360-84564	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37832-A-4-B		360-84564	360-84105	12/09/2011 15:06	1	TAL WFD	VMM
P:3050B	360-37832-A-4-A		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	360-37832-A-4-A		360-84202	360-84078	12/01/2011 13:45	1	TAL WFD	TJS
P:7471A	360-37832-A-4-D		360-84525	360-84495	12/08/2011 10:09	1	TAL WFD	OG
A:7471A	360-37832-A-4-D		360-84525	360-84495	12/08/2011 15:52	1	TAL WFD	TJS
A:Moisture	360-37832-A-4		360-84063		11/30/2011 10:31	1	TAL WFD	OG

Lab ID: 360-37832-5 **Client ID:** BC-SO-SB131-1012

Sample Date/Time: 11/28/2011 14:05 Received Date/Time: 11/29/2011 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37832-D-5-A		360-84468	360-84452	12/06/2011 15:32	1	TAL WFD	BW
A:8260B	360-37832-D-5-A		360-84468	360-84452	12/06/2011 23:38	1	TAL WFD	BW
P:3546	360-37832-A-5-B		360-84564	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37832-A-5-B		360-84564	360-84105	12/09/2011 15:40	1	TAL WFD	VMM
P:3050B	360-37832-A-5-A		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	360-37832-A-5-A		360-84202	360-84078	12/01/2011 13:48	1	TAL WFD	TJS
P:7471A	360-37832-A-5-D		360-84525	360-84495	12/08/2011 10:09	1	TAL WFD	OG
A:7471A	360-37832-A-5-D		360-84525	360-84495	12/08/2011 15:57	1	TAL WFD	TJS
A:Moisture	360-37832-A-5		360-84063		11/30/2011 10:31	1	TAL WFD	OG

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
SDG: 360-37832

Laboratory Chronicle

Lab ID: 360-37832-6 **Client ID:** BC-SO-SB128-0002

Sample Date/Time: 11/28/2011 12:15 Received Date/Time: 11/29/2011 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37832-D-6-A		360-84468	360-84452	12/06/2011 15:32	1	TAL WFD	BW
A:8260B	360-37832-D-6-A		360-84468	360-84452	12/07/2011 00:04	1	TAL WFD	BW
P:3546	360-37832-A-6-B		360-84564	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37832-A-6-B		360-84564	360-84105	12/09/2011 16:14	1	TAL WFD	VMM
P:3050B	360-37832-A-6-A		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	360-37832-A-6-A		360-84202	360-84078	12/01/2011 13:51	1	TAL WFD	TJS
P:7471A	360-37832-A-6-D		360-84525	360-84495	12/08/2011 10:09	1	TAL WFD	OG
A:7471A	360-37832-A-6-D		360-84525	360-84495	12/08/2011 15:59	1	TAL WFD	TJS
A:Moisture	360-37832-A-6		360-84063		11/30/2011 10:31	1	TAL WFD	OG

Lab ID: 360-37832-7 **Client ID:** BC-SO-SB303-0204

Sample Date/Time: 11/28/2011 16:00 Received Date/Time: 11/29/2011 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37832-D-7-A		360-84468	360-84452	12/06/2011 15:32	1	TAL WFD	BW
A:8260B	360-37832-D-7-A		360-84468	360-84452	12/07/2011 00:29	1	TAL WFD	BW
P:3546	360-37832-A-7-B		360-84564	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37832-A-7-B		360-84564	360-84105	12/09/2011 16:48	1	TAL WFD	VMM
P:3050B	360-37832-A-7-A		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	360-37832-A-7-A		360-84202	360-84078	12/01/2011 13:54	1	TAL WFD	TJS
P:7471A	360-37832-A-7-D		360-84525	360-84495	12/08/2011 10:09	1	TAL WFD	OG
A:7471A	360-37832-A-7-D		360-84525	360-84495	12/08/2011 16:01	1	TAL WFD	TJS
A:Moisture	360-37832-A-7		360-84063		11/30/2011 10:31	1	TAL WFD	OG

Lab ID: 360-37832-8 **Client ID:** BC-SO-SB132-1012

Sample Date/Time: 11/28/2011 12:00 Received Date/Time: 11/29/2011 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37832-D-8-A		360-84468	360-84452	12/06/2011 15:32	1	TAL WFD	BW
A:8260B	360-37832-D-8-A		360-84468	360-84452	12/07/2011 00:54	1	TAL WFD	BW
P:3546	360-37832-A-8-B		360-84564	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37832-A-8-B		360-84564	360-84105	12/09/2011 17:22	1	TAL WFD	VMM
P:3050B	360-37832-A-8-A		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	360-37832-A-8-A		360-84202	360-84078	12/01/2011 13:57	1	TAL WFD	TJS
P:7471A	360-37832-A-8-D		360-84525	360-84495	12/08/2011 10:09	1	TAL WFD	OG
A:7471A	360-37832-A-8-D		360-84525	360-84495	12/08/2011 16:03	1	TAL WFD	TJS
A:Moisture	360-37832-A-8		360-84063		11/30/2011 10:31	1	TAL WFD	OG

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
SDG: 360-37832

Laboratory Chronicle

Lab ID: 360-37832-9 **Client ID:** BC-SO-SB129-0204

Sample Date/Time: 11/28/2011 10:50 Received Date/Time: 11/29/2011 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37832-D-9-A		360-84468	360-84452	12/06/2011 15:32	1	TAL WFD	BW
A:8260B	360-37832-D-9-A		360-84468	360-84452	12/07/2011 01:20	1	TAL WFD	BW
P:3546	360-37832-A-9-B		360-84564	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37832-A-9-B		360-84564	360-84105	12/09/2011 17:56	1	TAL WFD	VMM
P:3050B	360-37832-A-9-A		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	360-37832-A-9-A		360-84202	360-84078	12/01/2011 14:00	1	TAL WFD	TJS
P:7471A	360-37832-A-9-D		360-84525	360-84495	12/08/2011 10:09	1	TAL WFD	OG
A:7471A	360-37832-A-9-D		360-84525	360-84495	12/08/2011 16:05	1	TAL WFD	TJS
A:Moisture	360-37832-A-9		360-84063		11/30/2011 10:31	1	TAL WFD	OG

Lab ID: 360-37832-10 **Client ID:** BC-SO-SB130-0810

Sample Date/Time: 11/28/2011 10:40 Received Date/Time: 11/29/2011 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37832-D-10-A		360-84468	360-84452	12/06/2011 15:32	1	TAL WFD	BW
A:8260B	360-37832-D-10-A		360-84468	360-84452	12/07/2011 01:46	1	TAL WFD	BW
P:3546	360-37832-A-10-B		360-84564	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37832-A-10-B		360-84564	360-84105	12/09/2011 18:30	1	TAL WFD	VMM
P:3050B	360-37832-A-10-A		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	360-37832-A-10-A		360-84202	360-84078	12/01/2011 14:03	1	TAL WFD	TJS
P:7471A	360-37832-A-10-C		360-84566	360-84497	12/08/2011 10:14	1	TAL WFD	OG
A:7471A	360-37832-A-10-C		360-84566	360-84497	12/09/2011 12:02	1	TAL WFD	TJS
A:Moisture	360-37832-A-10		360-84063		11/30/2011 10:31	1	TAL WFD	OG

Lab ID: 360-37832-11 **Client ID:** BC-TB-112811

Sample Date/Time: 11/28/2011 09:00 Received Date/Time: 11/29/2011 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37832-B-11-A		360-84468	360-84452	12/06/2011 15:32	1	TAL WFD	BW
A:8260B	360-37832-B-11-A		360-84468	360-84452	12/07/2011 02:11	1	TAL WFD	BW

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
SDG: 360-37832

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 360-84384/3-A		360-84385	360-84384	12/01/2011 12:11	1	TAL WFD	BW
A:8260B	MB 360-84384/3-A		360-84385	360-84384	12/01/2011 19:25	1	TAL WFD	CMR
P:5035	MB 360-84452/3-A		360-84468	360-84452	12/06/2011 15:32	1	TAL WFD	BW
A:8260B	MB 360-84452/3-A		360-84468	360-84452	12/06/2011 19:25	1	TAL WFD	BW
P:3546	MB 360-84105/1-A		360-84518	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	MB 360-84105/1-A		360-84518	360-84105	12/09/2011 10:26	1	TAL WFD	VMM
P:3050B	MB 360-84078/1-A		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	MB 360-84078/1-A		360-84202	360-84078	12/01/2011 13:10	1	TAL WFD	TJS
P:7471A	MB 360-84495/1-A		360-84525	360-84495	12/08/2011 10:09	1	TAL WFD	OG
A:7471A	MB 360-84495/1-A		360-84525	360-84495	12/08/2011 15:12	1	TAL WFD	TJS
P:7471A	MB 360-84497/1-A		360-84566	360-84497	12/08/2011 10:14	1	TAL WFD	OG
A:7471A	MB 360-84497/1-A		360-84566	360-84497	12/09/2011 11:51	1	TAL WFD	TJS

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 360-84384/1-A		360-84385	360-84384	12/01/2011 12:11	1	TAL WFD	BW
A:8260B	LCS 360-84384/1-A		360-84385	360-84384	12/01/2011 18:09	1	TAL WFD	CMR
P:5035	LCS 360-84452/1-A		360-84468	360-84452	12/06/2011 15:32	1	TAL WFD	BW
A:8260B	LCS 360-84452/1-A		360-84468	360-84452	12/06/2011 18:08	1	TAL WFD	BW
P:3546	LCS 360-84105/2-A		360-84518	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	LCS 360-84105/2-A		360-84518	360-84105	12/09/2011 05:52	1	TAL WFD	VMM

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 360-84384/2-A		360-84385	360-84384	12/01/2011 12:11	1	TAL WFD	BW
A:8260B	LCSD 360-84384/2-A		360-84385	360-84384	12/01/2011 18:34	1	TAL WFD	CMR
P:5035	LCSD 360-84452/2-A		360-84468	360-84452	12/06/2011 15:32	1	TAL WFD	BW
A:8260B	LCSD 360-84452/2-A		360-84468	360-84452	12/06/2011 18:33	1	TAL WFD	BW
P:3546	LCSD 360-84105/3-A		360-84518	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	LCSD 360-84105/3-A		360-84518	360-84105	12/09/2011 06:27	1	TAL WFD	VMM

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
SDG: 360-37832

Laboratory Chronicle

Lab ID: LCSSRM **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:3050B	LCSSRM 360-84078/2-A		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	LCSSRM 360-84078/2-A		360-84202	360-84078	12/01/2011 13:13	1	TAL WFD	TJS
P:7471A	LCSSRM 360-84495/2-A		360-84525	360-84495	12/08/2011 10:09	5	TAL WFD	OG
A:7471A	LCSSRM 360-84495/2-A		360-84525	360-84495	12/08/2011 15:14	5	TAL WFD	TJS
P:7471A	LCSSRM 360-84497/2-A		360-84566	360-84497	12/08/2011 10:14	5	TAL WFD	OG
A:7471A	LCSSRM 360-84497/2-A		360-84566	360-84497	12/09/2011 11:53	5	TAL WFD	TJS

Lab ID: LCDSRM **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:3050B	LCDSRM 360-84078/3-A		360-84202	360-84078	11/30/2011 10:47	1	TAL WFD	OG
A:6010B	LCDSRM 360-84078/3-A		360-84202	360-84078	12/01/2011 13:16	1	TAL WFD	TJS
P:7471A	LCDSRM 360-84495/3-A		360-84525	360-84495	12/08/2011 10:09	5	TAL WFD	OG
A:7471A	LCDSRM 360-84495/3-A		360-84525	360-84495	12/08/2011 15:16	5	TAL WFD	TJS
P:7471A	LCDSRM 360-84497/3-A		360-84566	360-84497	12/08/2011 10:14	5	TAL WFD	OG
A:7471A	LCDSRM 360-84497/3-A		360-84566	360-84497	12/09/2011 11:54	5	TAL WFD	TJS

Lab References:
TAL WFD = TestAmerica Westfield

Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Beaton & Corbin Factory Site

TestAmerica Job ID: 360-37832-1
SDG: 360-37832

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Westfield	Connecticut	State Program	1	PH-0494
TestAmerica Westfield	Maine	State Program	1	MA00014
TestAmerica Westfield	Massachusetts	State Program	1	M-MA014
TestAmerica Westfield	New Hampshire	NELAC	1	2539
TestAmerica Westfield	New York	NELAC	2	10843
TestAmerica Westfield	Rhode Island	State Program	1	LAO00057
TestAmerica Westfield	Vermont	State Program	1	VT-10843

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

State Accreditation Matrix

Method Name	Description	State where **Primary** Accreditation is Carried		
		New Hampshire (NELAC)	Mass	Conn
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)	NP		
SM 4500 Cl F	Chlorine, Residual		NP	
SM 9215E	Heterotrophic Plate Count (SimPlate)		P	
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP	
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P	
SM 9224	Coliforms, Total, and E.Coli (Enumeration)		P	
1103.1	E.coli		ambient/ source	
Enterolert	Enterococcus			
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P	
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	
6010B/C	Metals (ICP)(list upon request)	NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	
7470A	Mercury (CVAA)	NP		
7471A	Mercury (CVAA)	SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		
3010A	Preparation, Total Metals	NP/P		
3020A	Preparation, Total Metals	NP/P/SW		
3050B	Preparation, Metals	SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)	P	P	
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP	NP	
3546	Microwave Extraction	SW		
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		
3550B	Ultrasonic Extraction	SW		
8081AB	Organochlorine Pesticides (GC)(list upon request)	NP/SW		
8082/A	PCBs by Gas Chromatography(list upon request)	NP/SW		
8270C/D	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)	NP/SW		NP/SW
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)	NP/SW		
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	
524.2	Trihalomethane compounds	P	P	
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	
5035	Closed System Purge and Trap	SW		
5030B	Purge and Trap	NP		
8260B/C	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			
180.1	Turbidity, Nephelometric	P	P	
300	Anions, Ion Chromatography	NP/P	NP/P	
410.4	COD	NP	NP	
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	
7196A	Chromium, Hexavalent	NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		
9045C	pH	SW		
L107041C	Nitrogen, Nitrate	NP	P	
L107-06-1B	Nitrogen Ammonia	NP	NP	
L204001A CN	Cyanide, Total	P	NP/P	
L210-001A	Phenolics, Total Recoverable	NP	NP	
SM 2320B	Alkalinity	NP/P	NP/P	
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	
SM 3500 CR D	Chromium, Hexavalent	NP		
SM 4500 H+ B	pH	NP/P	NP/P	
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	
SM 4500 P E	Phosphorus, Total	NP	NP	
SM 4500 S2 D	Sulfide, Total	NP		
SM 5210B	BOD, 5-Day	NP	NP	
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP	

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 the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Matrix: Solid Level: Low

GC Column (1): RTX-VMS ID: 0.25 (um)

Client Sample ID	Lab Sample ID	DBFM #	TOL #	BFB #
BC-SO-SB301-0608	360-37832-1	93	89	114
BC-SO-SB302-0810	360-37832-2	97	91	103
BC-SO-SB133-0002	360-37832-3	96	88	96
BC-SO-SBDUP01	360-37832-4	99	92	101
BC-SO-SB131-1012	360-37832-5	99	92	102
BC-SO-SB128-0002	360-37832-6	100	90	99
BC-SO-SB303-0204	360-37832-7	99	90	96
BC-SO-SB132-1012	360-37832-8	95	91	101
BC-SO-SB129-0204	360-37832-9	97	91	101
BC-SO-SB130-0810	360-37832-10	98	90	100
BC-TB-112811	360-37832-11	97	92	98
	MB 360-84384/3-A	95	90	104
	MB 360-84452/3-A	94	92	102
	LCS 360-84384/1-A	89	96	97
	LCS 360-84452/1-A	91	97	100
	LCSD 360-84384/2-A	93	94	101
	LCSD 360-84452/2-A	91	97	99

	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.: 360-37832-1

SDG No.: 360-37832

Matrix: Solid Level: Low Lab File ID: V55210.D

Lab ID: LCS 360-84384/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5000	4980	100	70-130	
1,1,1-Trichloroethane	5000	4830	97	70-130	
1,1,2,2-Tetrachloroethane	5000	5750	115	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	5000	4330	87	70-130	
1,1,2-Trichloroethane	5000	5100	102	70-130	
1,1-Dichloroethane	5000	5230	105	70-130	
1,1-Dichloroethene	5000	4850	97	70-130	
1,1-Dichloropropene	5000	5550	111	70-130	
1,2,3-Trichlorobenzene	5000	4830	97	70-130	
1,2,3-Trichloropropane	5000	4580	92	70-130	
1,2,4-Trichlorobenzene	5000	4700	94	70-130	
1,2,4-Trimethylbenzene	5000	5480	110	70-130	
1,2-Dibromo-3-Chloropropane	5000	4550	91	70-130	
1,2-Dichlorobenzene	5000	5180	104	70-130	
1,2-Dichloroethane	5000	4880	98	70-130	
1,2-Dichloropropane	5000	5730	115	70-130	
1,3,5-Trimethylbenzene	5000	6250	125	70-130	
1,3-Dichlorobenzene	5000	4830	97	70-130	
1,3-Dichloropropane	5000	4450	89	70-130	
1,4-Dichlorobenzene	5000	5150	103	70-130	
2,2-Dichloropropane	5000	5330	107	70-130	
2-Butanone (MEK)	50000	63400	127	70-130	
2-Chlorotoluene	5000	6450	129	70-130	
2-Hexanone	50000	63000	126	70-130	
4-Chlorotoluene	5000	5130	103	70-130	
4-Isopropyltoluene	5000	5150	103	70-130	
4-Methyl-2-pentanone (MIBK)	50000	67400	135	70-130	*
Acetone	50000	62600	125	70-130	
Acrylonitrile	5000	5480	110	70-130	
Benzene	5000	5380	108	70-130	
Bromobenzene	5000	5380	108	70-130	
Bromoform	5000	4200	84	70-130	
Bromomethane	5000	5330	107	70-130	
Carbon disulfide	5000	5180	104	70-130	
Carbon tetrachloride	5000	5350	107	70-130	
Chlorobenzene	5000	5150	103	70-130	
Chlorodibromomethane	5000	4050	81	70-130	
Chloroethane	5000	6780	136	70-130	*
Chloroform	5000	5100	102	70-130	
Chloromethane	5000	5800	116	70-130	
cis-1,2-Dichloroethene	5000	5280	106	70-130	

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.: 360-37832-1

SDG No.: 360-37832

Matrix: Solid Level: Low Lab File ID: V55210.D

Lab ID: LCS 360-84384/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
cis-1,3-Dichloropropene	5000	5380	108	70-130	
Dibromomethane	5000	4980	100	70-130	
Dichlorobromomethane	5000	5200	104	70-130	
Dichlorodifluoromethane	5000	4980	100	70-130	
Ethylbenzene	5000	5450	109	70-130	
Ethylene Dibromide	5000	4050	81	70-130	
Hexachlorobutadiene	5000	4750	95	70-130	
Isopropylbenzene	5000	5330	107	70-130	
m-Xylene & p-Xylene	10000	13000	130	70-130	
Methyl tert-butyl ether	5000	5080	102	70-130	
Methylene Chloride	5000	4750	95	70-130	
n-Butylbenzene	5000	5980	120	70-130	
N-Propylbenzene	5000	6900	138	70-130	*
Naphthalene	5000	5050	101	70-130	
o-Xylene	5000	5400	108	70-130	
sec-Butylbenzene	5000	5300	106	70-130	
Styrene	5000	5150	103	70-130	
tert-Butylbenzene	5000	5180	104	70-130	
Tetrachloroethene	5000	4680	94	70-130	
Tetrahydrofuran	50000	62700	125	70-130	
Toluene	5000	5250	105	70-130	
trans-1,2-Dichloroethene	5000	5450	109	70-130	
trans-1,3-Dichloropropene	5000	5180	104	70-130	
trans-1,4-Dichloro-2-butene	5000	6430	129	70-130	
Trichloroethene	5000	5030	101	70-130	
Trichlorofluoromethane	5000	4700	94	70-130	
Vinyl chloride	5000	5380	108	70-130	
Xylenes, Total	15000	18400	123	70-130	

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.: 360-37832-1

SDG No.: 360-37832

Matrix: Solid Level: Low Lab File ID: V55235.D

Lab ID: LCS 360-84452/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	100	96.0	96	70-130	
1,1,1-Trichloroethane	100	95.5	96	70-130	
1,1,2,2-Tetrachloroethane	100	107	107	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	100	86.0	86	70-130	
1,1,2-Trichloroethane	100	104	104	70-130	
1,1-Dichloroethane	100	100	100	70-130	
1,1-Dichloroethene	100	93.5	94	70-130	
1,1-Dichloropropene	100	107	107	70-130	
1,2,3-Trichlorobenzene	100	93.5	94	70-130	
1,2,3-Trichloropropane	100	88.5	89	70-130	
1,2,4-Trichlorobenzene	100	91.5	92	70-130	
1,2,4-Trimethylbenzene	100	108	108	70-130	
1,2-Dibromo-3-Chloropropane	100	89.0	89	70-130	
1,2-Dichlorobenzene	100	94.5	95	70-130	
1,2-Dichloroethane	100	94.0	94	70-130	
1,2-Dichloropropane	100	112	112	70-130	
1,3,5-Trimethylbenzene	100	122	122	70-130	
1,3-Dichlorobenzene	100	94.0	94	70-130	
1,3-Dichloropropane	100	90.0	90	70-130	
1,4-Dichlorobenzene	100	94.5	95	70-130	
2,2-Dichloropropane	100	106	106	70-130	
2-Butanone (MEK)	1000	1150	115	70-130	
2-Chlorotoluene	100	126	126	70-130	
2-Hexanone	1000	1250	125	70-130	
4-Chlorotoluene	100	101	101	70-130	
4-Isopropyltoluene	100	101	101	70-130	
4-Methyl-2-pentanone (MIBK)	1000	1350	135	70-130	*
Acetone	1000	1220	122	70-130	
Acrylonitrile	100	110	110	70-130	
Benzene	100	105	105	70-130	
Bromobenzene	100	105	105	70-130	
Bromoform	100	78.5	79	70-130	
Bromomethane	100	102	102	70-130	
Carbon disulfide	100	94.5	95	70-130	
Carbon tetrachloride	100	108	108	70-130	
Chlorobenzene	100	99.0	99	70-130	
Chlorodibromomethane	100	81.5	82	70-130	
Chloroethane	100	126	126	70-130	
Chloroform	100	98.5	99	70-130	
Chloromethane	100	112	112	70-130	
cis-1,2-Dichloroethene	100	103	103	70-130	

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.: 360-37832-1

SDG No.: 360-37832

Matrix: Solid Level: Low Lab File ID: V55235.D

Lab ID: LCS 360-84452/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
cis-1,3-Dichloropropene	100	107	107	70-130	
Dibromomethane	100	97.5	98	70-130	
Dichlorobromomethane	100	102	102	70-130	
Dichlorodifluoromethane	100	92.0	92	70-130	
Ethylbenzene	100	105	105	70-130	
Ethylene Dibromide	100	81.5	82	70-130	
Hexachlorobutadiene	100	90.0	90	70-130	
Isopropylbenzene	100	104	104	70-130	
m-Xylene & p-Xylene	200	254	127	70-130	
Methyl tert-butyl ether	100	99.0	99	70-130	
Methylene Chloride	100	98.5	99	70-130	
n-Butylbenzene	100	113	113	70-130	
N-Propylbenzene	100	134	134	70-130	*
Naphthalene	100	99.5	100	70-130	
o-Xylene	100	106	106	70-130	
sec-Butylbenzene	100	105	105	70-130	
Styrene	100	101	101	70-130	
tert-Butylbenzene	100	101	101	70-130	
Tetrachloroethene	100	90.5	91	70-130	
Tetrahydrofuran	1000	1100	110	70-130	
Toluene	100	104	104	70-130	
trans-1,2-Dichloroethene	100	102	102	70-130	
trans-1,3-Dichloropropene	100	104	104	70-130	
trans-1,4-Dichloro-2-butene	100	132	132	70-130	*
Trichloroethene	100	98.5	99	70-130	
Trichlorofluoromethane	100	96.5	97	70-130	
Vinyl chloride	100	103	103	70-130	
Xylenes, Total	300	360	120	70-130	

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.: 360-37832-1

SDG No.: 360-37832

Matrix: Solid Level: Low Lab File ID: V55211.D

Lab ID: LCSD 360-84384/2-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	5000	5130	103	3	25	70-130	
1,1,1-Trichloroethane	5000	4650	93	4	25	70-130	
1,1,2,2-Tetrachloroethane	5000	5650	113	2	25	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	5000	4280	86	1	25	70-130	
1,1,2-Trichloroethane	5000	5180	104	1	25	70-130	
1,1-Dichloroethane	5000	5300	106	1	25	70-130	
1,1-Dichloroethene	5000	4950	99	2	25	70-130	
1,1-Dichloropropene	5000	5450	109	2	25	70-130	
1,2,3-Trichlorobenzene	5000	4950	99	3	25	70-130	
1,2,3-Trichloropropane	5000	4850	97	6	25	70-130	
1,2,4-Trichlorobenzene	5000	4850	97	3	25	70-130	
1,2,4-Trimethylbenzene	5000	5530	111	1	25	70-130	
1,2-Dibromo-3-Chloropropane	5000	4780	96	5	25	70-130	
1,2-Dichlorobenzene	5000	5200	104	0	25	70-130	
1,2-Dichloroethane	5000	5130	103	5	25	70-130	
1,2-Dichloropropane	5000	5280	106	8	25	70-130	
1,3,5-Trimethylbenzene	5000	6080	122	3	25	70-130	
1,3-Dichlorobenzene	5000	5030	101	4	25	70-130	
1,3-Dichloropropane	5000	4550	91	2	25	70-130	
1,4-Dichlorobenzene	5000	5080	102	1	25	70-130	
2,2-Dichloropropane	5000	4750	95	11	25	70-130	
2-Butanone (MEK)	50000	65000	130	3	25	70-130	
2-Chlorotoluene	5000	6330	127	2	25	70-130	
2-Hexanone	50000	60100	120	5	25	70-130	
4-Chlorotoluene	5000	5500	110	7	25	70-130	
4-Isopropyltoluene	5000	5230	105	1	25	70-130	
4-Methyl-2-pentanone (MIBK)	50000	62600	125	7	25	70-130	
Acetone	50000	60400	121	4	25	70-130	
Acrylonitrile	5000	6100	122	11	25	70-130	
Benzene	5000	5430	109	1	25	70-130	
Bromobenzene	5000	5480	110	2	25	70-130	
Bromoform	5000	4330	87	3	25	70-130	
Bromomethane	5000	5150	103	3	25	70-130	
Carbon disulfide	5000	5230	105	1	25	70-130	
Carbon tetrachloride	5000	4450	89	18	25	70-130	
Chlorobenzene	5000	5250	105	2	25	70-130	
Chlorodibromomethane	5000	4200	84	4	25	70-130	
Chloroethane	5000	6530	131	4	25	70-130	
Chloroform	5000	5200	104	2	25	70-130	
Chloromethane	5000	5580	112	4	25	70-130	
cis-1,2-Dichloroethene	5000	5450	109	3	25	70-130	

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.: 360-37832-1

SDG No.: 360-37832

Matrix: Solid Level: Low Lab File ID: V55211.D

Lab ID: LCSD 360-84384/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
cis-1,3-Dichloropropene	5000	5180	104	4	25	70-130	
Dibromomethane	5000	5050	101	1	25	70-130	
Dichlorobromomethane	5000	5000	100	4	25	70-130	
Dichlorodifluoromethane	5000	4880	98	2	25	70-130	
Ethylbenzene	5000	5330	107	2	25	70-130	
Ethylene Dibromide	5000	4280	86	5	25	70-130	
Hexachlorobutadiene	5000	4730	95	1	25	70-130	
Isopropylbenzene	5000	5200	104	2	25	70-130	
m-Xylene & p-Xylene	10000	13000	130	0	25	70-130	
Methyl tert-butyl ether	5000	5380	108	6	25	70-130	
Methylene Chloride	5000	4980	100	5	25	70-130	
n-Butylbenzene	5000	5530	111	8	25	70-130	
N-Propylbenzene	5000	6750	135	2	25	70-130	
Naphthalene	5000	5180	104	2	25	70-130	
o-Xylene	5000	5380	108	0	25	70-130	
sec-Butylbenzene	5000	5230	105	1	25	70-130	
Styrene	5000	5400	108	5	25	70-130	
tert-Butylbenzene	5000	5250	105	1	25	70-130	
Tetrachloroethene	5000	4680	94	0	25	70-130	
Tetrahydrofuran	50000	61100	122	3	25	70-130	
Toluene	5000	5000	100	5	25	70-130	
trans-1,2-Dichloroethene	5000	5430	109	0	25	70-130	
trans-1,3-Dichloropropene	5000	5030	101	3	25	70-130	
trans-1,4-Dichloro-2-butene	5000	6830	137	6	25	70-130	
Trichloroethene	5000	4880	98	3	25	70-130	
Trichlorofluoromethane	5000	4600	92	2	25	70-130	
Vinyl chloride	5000	5250	105	2	25	70-130	
Xylenes, Total	15000	18400	123	0	25	70-130	

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.: 360-37832-1

SDG No.: 360-37832

Matrix: Solid Level: Low Lab File ID: V55236.D

Lab ID: LCSD 360-84452/2-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	90.5	91	6	25	70-130	
1,1,1-Trichloroethane	100	86.5	87	10	25	70-130	
1,1,2,2-Tetrachloroethane	100	112	112	5	25	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	100	78.5	79	9	25	70-130	
1,1,2-Trichloroethane	100	106	106	2	25	70-130	
1,1-Dichloroethane	100	94.5	95	6	25	70-130	
1,1-Dichloroethene	100	87.5	88	7	25	70-130	
1,1-Dichloropropene	100	97.5	98	9	25	70-130	
1,2,3-Trichlorobenzene	100	91.5	92	2	25	70-130	
1,2,3-Trichloropropane	100	90.0	90	2	25	70-130	
1,2,4-Trichlorobenzene	100	89.5	90	2	25	70-130	
1,2,4-Trimethylbenzene	100	99.0	99	8	25	70-130	
1,2-Dibromo-3-Chloropropane	100	90.0	90	1	25	70-130	
1,2-Dichlorobenzene	100	95.5	96	1	25	70-130	
1,2-Dichloroethane	100	94.5	95	1	25	70-130	
1,2-Dichloropropane	100	109	109	2	25	70-130	
1,3,5-Trimethylbenzene	100	110	110	10	25	70-130	
1,3-Dichlorobenzene	100	89.5	90	5	25	70-130	
1,3-Dichloropropane	100	93.0	93	3	25	70-130	
1,4-Dichlorobenzene	100	92.5	93	2	25	70-130	
2,2-Dichloropropane	100	85.0	85	22	25	70-130	
2-Butanone (MEK)	1000	1250	125	8	25	70-130	
2-Chlorotoluene	100	115	115	9	25	70-130	
2-Hexanone	1000	1360	136	8	25	70-130	
4-Chlorotoluene	100	97.0	97	4	25	70-130	
4-Isopropyltoluene	100	93.5	94	8	25	70-130	
4-Methyl-2-pentanone (MIBK)	1000	1430	143	6	25	70-130	
Acetone	1000	1150	115	6	25	70-130	
Acrylonitrile	100	114	114	4	25	70-130	
Benzene	100	100	100	4	25	70-130	
Bromobenzene	100	102	102	3	25	70-130	
Bromoform	100	82.0	82	4	25	70-130	
Bromomethane	100	88.0	88	14	25	70-130	
Carbon disulfide	100	88.0	88	7	25	70-130	
Carbon tetrachloride	100	82.0	82	27	25	70-130	
Chlorobenzene	100	95.5	96	4	25	70-130	
Chlorodibromomethane	100	82.5	83	1	25	70-130	
Chloroethane	100	111	111	13	25	70-130	
Chloroform	100	95.0	95	4	25	70-130	
Chloromethane	100	99.5	100	11	25	70-130	
cis-1,2-Dichloroethene	100	97.5	98	5	25	70-130	

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.: 360-37832-1

SDG No.: 360-37832

Matrix: Solid Level: Low Lab File ID: V55236.D

Lab ID: LCSD 360-84452/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
cis-1,3-Dichloropropene	100	108	108	1	25	70-130	
Dibromomethane	100	100	100	3	25	70-130	
Dichlorobromomethane	100	101	101	1	25	70-130	
Dichlorodifluoromethane	100	81.5	82	12	25	70-130	
Ethylbenzene	100	100	100	5	25	70-130	
Ethylene Dibromide	100	83.5	84	2	25	70-130	
Hexachlorobutadiene	100	84.5	85	6	25	70-130	
Isopropylbenzene	100	95.5	96	9	25	70-130	
m-Xylene & p-Xylene	200	238	119	7	25	70-130	
Methyl tert-butyl ether	100	98.5	99	1	25	70-130	
Methylene Chloride	100	98.0	98	1	25	70-130	
n-Butylbenzene	100	107	107	6	25	70-130	
N-Propylbenzene	100	123	123	9	25	70-130	
Naphthalene	100	99.0	99	1	25	70-130	
o-Xylene	100	99.5	100	6	25	70-130	
sec-Butylbenzene	100	95.5	96	9	25	70-130	
Styrene	100	98.0	98	3	25	70-130	
tert-Butylbenzene	100	92.0	92	9	25	70-130	
Tetrachloroethene	100	86.0	86	5	25	70-130	
Tetrahydrofuran	1000	1170	117	6	25	70-130	
Toluene	100	100	100	4	25	70-130	
trans-1,2-Dichloroethene	100	96.0	96	6	25	70-130	
trans-1,3-Dichloropropene	100	108	108	4	25	70-130	
trans-1,4-Dichloro-2-butene	100	134	134	2	25	70-130	
Trichloroethene	100	93.0	93	6	25	70-130	
Trichlorofluoromethane	100	84.0	84	14	25	70-130	
Vinyl chloride	100	91.5	92	11	25	70-130	
Xylenes, Total	300	338	113	6	25	70-130	

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.: 360-37832-1

SDG No.: 360-37832

Lab File ID: V55213.D Lab Sample ID: MB 360-84384/3-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: HP #1 GC/MS Date Analyzed: 12/01/2011 19:25

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 360-84384/1-A	V55210.D	12/01/2011 18:09
	LCSD 360-84384/2-A	V55211.D	12/01/2011 18:34
BC-SO-SB301-0608	360-37832-1	V55223.D	12/01/2011 23:38

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab File ID: V55238.D Lab Sample ID: MB 360-84452/3-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: HP #1 GC/MS Date Analyzed: 12/06/2011 19:25

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 360-84452/1-A	V55235.D	12/06/2011 18:08
	LCSD 360-84452/2-A	V55236.D	12/06/2011 18:33
BC-SO-SB302-0810	360-37832-2	V55245.D	12/06/2011 22:22
BC-SO-SB133-0002	360-37832-3	V55246.D	12/06/2011 22:48
BC-SO-SBDUP01	360-37832-4	V55247.D	12/06/2011 23:13
BC-SO-SB131-1012	360-37832-5	V55248.D	12/06/2011 23:38
BC-SO-SB128-0002	360-37832-6	V55249.D	12/07/2011 00:04
BC-SO-SB303-0204	360-37832-7	V55250.D	12/07/2011 00:29
BC-SO-SB132-1012	360-37832-8	V55251.D	12/07/2011 00:54
BC-SO-SB129-0204	360-37832-9	V55252.D	12/07/2011 01:20
BC-SO-SB130-0810	360-37832-10	V55253.D	12/07/2011 01:46
BC-TB-112811	360-37832-11	V55254.D	12/07/2011 02:11

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab File ID: V55146.D BFB Injection Date: 11/28/2011

Instrument ID: HP #1 GC/MS BFB Injection Time: 16:39

Analysis Batch No.: 83953

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.4	
75	30.0 - 60.0 % of mass 95	44.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	67.2	
175	5.0 - 9.0 % of mass 174	5.3	(7.9)1
176	95.0 - 101.0 % of mass 174	64.9	(96.5)1
177	5.0 - 9.0 % of mass 176	4.4	(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
	STD05 360-83953/2	V55147.D	11/28/2011	17:05
	STD1 360-83953/3	V55148.D	11/28/2011	17:30
	STD5 360-83953/4	V55149.D	11/28/2011	17:56
	STD10 360-83953/5	V55150.D	11/28/2011	18:21
	STD20 360-83953/6	V55151.D	11/28/2011	18:47
	STD40 360-83953/7	V55152.D	11/28/2011	19:12
	STD160 360-83953/8	V55153.D	11/28/2011	19:38

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab File ID: V55207.D BFB Injection Date: 12/01/2011

Instrument ID: HP #1 GC/MS BFB Injection Time: 17:00

Analysis Batch No.: 84385

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	42.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	58.0	
175	5.0 - 9.0 % of mass 174	4.4	(7.5)1
176	95.0 - 101.0 % of mass 174	55.6	(95.8)1
177	5.0 - 9.0 % of mass 176	3.8	(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 360-84385/2	V55209.D	12/01/2011	17:44
	LCS 360-84384/1-A	V55210.D	12/01/2011	18:09
	LCSD 360-84384/2-A	V55211.D	12/01/2011	18:34
	MB 360-84384/3-A	V55213.D	12/01/2011	19:25
BC-SO-SB301-0608	360-37832-1	V55223.D	12/01/2011	23:38

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab File ID: V55233.D BFB Injection Date: 12/06/2011

Instrument ID: HP #1 GC/MS BFB Injection Time: 17:16

Analysis Batch No.: 84468

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.8	
75	30.0 - 60.0 % of mass 95	43.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	56.8	
175	5.0 - 9.0 % of mass 174	4.3	(7.6)1
176	95.0 - 101.0 % of mass 174	54.9	(96.7)1
177	5.0 - 9.0 % of mass 176	3.7	(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 360-84468/2	V55234.D	12/06/2011	17:42
	LCS 360-84452/1-A	V55235.D	12/06/2011	18:08
	LCSD 360-84452/2-A	V55236.D	12/06/2011	18:33
	MB 360-84452/3-A	V55238.D	12/06/2011	19:25
BC-SO-SB302-0810	360-37832-2	V55245.D	12/06/2011	22:22
BC-SO-SB133-0002	360-37832-3	V55246.D	12/06/2011	22:48
BC-SO-SBDUP01	360-37832-4	V55247.D	12/06/2011	23:13
BC-SO-SB131-1012	360-37832-5	V55248.D	12/06/2011	23:38
BC-SO-SB128-0002	360-37832-6	V55249.D	12/07/2011	00:04
BC-SO-SB303-0204	360-37832-7	V55250.D	12/07/2011	00:29
BC-SO-SB132-1012	360-37832-8	V55251.D	12/07/2011	00:54
BC-SO-SB129-0204	360-37832-9	V55252.D	12/07/2011	01:20
BC-SO-SB130-0810	360-37832-10	V55253.D	12/07/2011	01:46
BC-TB-112811	360-37832-11	V55254.D	12/07/2011	02:11

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

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Sample No.: CCVIS 360-84385/2 Date Analyzed: 12/01/2011 17:44

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V55209.D Heated Purge: (Y/N) Y

Calibration ID: 16512

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		27798	5.46	654190	5.68	444812	8.10
UPPER LIMIT		55596	5.96	1308380	6.18	889624	8.60
LOWER LIMIT		13899	4.96	327095	5.18	222406	7.60
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-84384/1-A		29899	5.46	703556	5.68	449365	8.10
LCSD 360-84384/2-A		31805	5.46	708320	5.68	441730	8.11
MB 360-84384/3-A		27217	5.46	647328	5.68	391288	8.10
360-37832-1	BC-SO-SB301-0608	26088	5.45	641427	5.67	375307	8.10

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.: 360-37832-1

SDG No.: 360-37832

Sample No.: CCVIS 360-84385/2 Date Analyzed: 12/01/2011 17:44

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V55209.D Heated Purge: (Y/N) Y

Calibration ID: 16512

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		121349	9.91				
UPPER LIMIT		242698	10.41				
LOWER LIMIT		60675	9.41				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-84384/1-A		127715	9.92				
LCSD 360-84384/2-A		132956	9.92				
MB 360-84384/3-A		125063	9.92				
360-37832-1	BC-SO-SB301-0608	124031	9.91				

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.: 360-37832-1

SDG No.: 360-37832

Sample No.: CCVIS 360-84468/2 Date Analyzed: 12/06/2011 17:42

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V55234.D Heated Purge: (Y/N) Y

Calibration ID: 16512

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		35389	5.48	766108	5.70	494607	8.13
UPPER LIMIT		70778	5.98	1532216	6.20	989214	8.63
LOWER LIMIT		17695	4.98	383054	5.20	247304	7.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-84452/1-A		31297	5.48	718088	5.71	467664	8.13
LCSD 360-84452/2-A		33931	5.49	786893	5.71	522737	8.13
MB 360-84452/3-A		28146	5.48	699701	5.70	431277	8.12
360-37832-2	BC-SO-SB302-0810	25771	5.49	610849	5.70	382085	8.12
360-37832-3	BC-SO-SB133-0002	25895	5.48	606595	5.71	357456	8.13
360-37832-4	BC-SO-SBDUP01	27202	5.48	624532	5.70	392394	8.13
360-37832-5	BC-SO-SB131-1012	24914	5.48	586013	5.70	371152	8.12
360-37832-6	BC-SO-SB128-0002	24622	5.48	589684	5.70	359415	8.12
360-37832-7	BC-SO-SB303-0204	26846	5.48	622685	5.70	384695	8.12
360-37832-8	BC-SO-SB132-1012	25383	5.48	597004	5.71	376625	8.13
360-37832-9	BC-SO-SB129-0204	26371	5.48	608920	5.70	382147	8.13
360-37832-10	BC-SO-SB130-0810	24322	5.48	571726	5.71	350385	8.13
360-37832-11	BC-TB-112811	25816	5.48	602117	5.70	390751	8.12

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.: 360-37832-1

SDG No.: 360-37832

Sample No.: CCVIS 360-84468/2 Date Analyzed: 12/06/2011 17:42

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V55234.D Heated Purge: (Y/N) Y

Calibration ID: 16512

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		150452	9.94				
UPPER LIMIT		300904	10.44				
LOWER LIMIT		75226	9.44				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-84452/1-A		141999	9.94				
LCSD 360-84452/2-A		154079	9.94				
MB 360-84452/3-A		139626	9.94				
360-37832-2	BC-SO-SB302-0810	122655	9.93				
360-37832-3	BC-SO-SB133-0002	101203	9.94				
360-37832-4	BC-SO-SBDUP01	124380	9.94				
360-37832-5	BC-SO-SB131-1012	117703	9.94				
360-37832-6	BC-SO-SB128-0002	106071	9.94				
360-37832-7	BC-SO-SB303-0204	109124	9.94				
360-37832-8	BC-SO-SB132-1012	121484	9.94				
360-37832-9	BC-SO-SB129-0204	119483	9.94				
360-37832-10	BC-SO-SB130-0810	109244	9.94				
360-37832-11	BC-TB-112811	118258	9.94				

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.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB301-0608 | Lab Sample ID: 360-37832-1

Matrix: Solid | Lab File ID: V55223.D

Analysis Method: 8260B | Date Collected: 11/28/2011 15:03

Sample wt/vol: 10.20(g) | Date Analyzed: 12/01/2011 23:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 22.0 | Level: (low/med) Low

Analysis Batch No.: 84385 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		160	75
71-55-6	1,1,1-Trichloroethane	ND		160	130
79-34-5	1,1,2,2-Tetrachloroethane	ND		160	63
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		790	91
79-00-5	1,1,2-Trichloroethane	ND		160	63
75-34-3	1,1-Dichloroethane	ND		160	120
75-35-4	1,1-Dichloroethene	ND		160	100
563-58-6	1,1-Dichloropropene	ND		160	94
87-61-6	1,2,3-Trichlorobenzene	ND		160	69
96-18-4	1,2,3-Trichloropropane	ND		160	75
120-82-1	1,2,4-Trichlorobenzene	ND		160	63
95-63-6	1,2,4-Trimethylbenzene	ND		160	88
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1600	180
95-50-1	1,2-Dichlorobenzene	ND		160	63
107-06-2	1,2-Dichloroethane	ND		160	63
78-87-5	1,2-Dichloropropane	ND		160	100
108-67-8	1,3,5-Trimethylbenzene	ND		160	94
541-73-1	1,3-Dichlorobenzene	ND		160	63
142-28-9	1,3-Dichloropropane	ND		160	72
106-46-7	1,4-Dichlorobenzene	ND		160	63
594-20-7	2,2-Dichloropropane	ND		160	130
78-93-3	2-Butanone (MEK)	ND		1600	680
95-49-8	2-Chlorotoluene	ND		160	82
591-78-6	2-Hexanone	ND		1600	880
106-43-4	4-Chlorotoluene	ND		160	75
99-87-6	4-Isopropyltoluene	220		160	94
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	1600	640
67-64-1	Acetone	ND		16000	6300
107-13-1	Acrylonitrile	ND		1600	150
71-43-2	Benzene	ND		160	100
108-86-1	Bromobenzene	ND		160	63
75-25-2	Bromoform	ND		160	100
74-83-9	Bromomethane	ND		310	140
75-15-0	Carbon disulfide	ND		160	120
56-23-5	Carbon tetrachloride	ND		160	110
108-90-7	Chlorobenzene	ND		160	75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB301-0608 Lab Sample ID: 360-37832-1

Matrix: Solid Lab File ID: V55223.D

Analysis Method: 8260B Date Collected: 11/28/2011 15:03

Sample wt/vol: 10.20(g) Date Analyzed: 12/01/2011 23:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 22.0 Level: (low/med) Low

Analysis Batch No.: 84385 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		160	75
75-00-3	Chloroethane	ND	*	310	130
67-66-3	Chloroform	ND		160	94
74-87-3	Chloromethane	ND		310	100
156-59-2	cis-1,2-Dichloroethene	ND		160	74
10061-01-5	cis-1,3-Dichloropropene	ND		160	63
74-95-3	Dibromomethane	ND		160	79
75-27-4	Dichlorobromomethane	ND		160	80
75-71-8	Dichlorodifluoromethane	ND		310	130
100-41-4	Ethylbenzene	ND		160	110
106-93-4	Ethylene Dibromide	ND		160	70
87-68-3	Hexachlorobutadiene	ND		160	94
98-82-8	Isopropylbenzene	ND		160	94
179601-23-1	m-Xylene & p-Xylene	ND		310	220
1634-04-4	Methyl tert-butyl ether	ND		160	94
75-09-2	Methylene Chloride	ND		630	620
104-51-8	n-Butylbenzene	170		160	75
103-65-1	N-Propylbenzene	ND	*	160	110
91-20-3	Naphthalene	ND		1600	140
95-47-6	o-Xylene	ND		160	82
135-98-8	sec-Butylbenzene	280		160	88
100-42-5	Styrene	ND		160	63
98-06-6	tert-Butylbenzene	ND		160	88
127-18-4	Tetrachloroethene	ND		160	110
109-99-9	Tetrahydrofuran	ND		3100	780
108-88-3	Toluene	ND		160	110
156-60-5	trans-1,2-Dichloroethene	ND		160	100
10061-02-6	trans-1,3-Dichloropropene	ND		160	65
110-57-6	trans-1,4-Dichloro-2-butene	ND		310	130
79-01-6	Trichloroethene	ND		160	130
75-69-4	Trichlorofluoromethane	ND		310	89
75-01-4	Vinyl chloride	ND		160	110
1330-20-7	Xylenes, Total	ND		310	220

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB301-0608 Lab Sample ID: 360-37832-1

Matrix: Solid Lab File ID: V55223.D

Analysis Method: 8260B Date Collected: 11/28/2011 15:03

Sample wt/vol: 10.20(g) Date Analyzed: 12/01/2011 23:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 22.0 Level: (low/med) Low

Analysis Batch No.: 84385 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	114		70-130
1868-53-7	Dibromofluoromethane	93		70-130
2037-26-5	Toluene-d8 (Surr)	89		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55223.D
Lims ID: 360-37832-C-1-A
Client ID: BC-SO-SB301-0608
Inject. Date: 01-Dec-2011 23:38:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37832-C-2
Misc. Info.: 8260HL =8260HL
Operator: BW
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 18
Lims Batch ID: 84385
Lims Sample ID: 16
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\WES1SOIL.m
Last Update: 07-Dec-2011 15:23:26
Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE
ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb
Date: 06-Dec-2011 16:06:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.723					
2 Chloromethane	50		1.849					
3 Vinyl chloride	62		1.959					
4 Bromomethane	94		2.262					
5 Chloroethane	64		2.388					
6 Trichlorofluoromethane	101		2.489					
7 Dichlorofluoromethane	67	2.581	2.574	0.007	1	173	0	
8 Ethyl ether	59		2.768					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.961					
9 1,1-Dichloroethene	96		2.970					
11 Ethanol	45	3.027	2.987	0.040	21	580	0	
10 Carbon disulfide	76		2.995					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.037					
14 Acrolein	56		3.273					
15 Isopropyl alcohol	45	3.415	3.442	-0.027	39	1851	0	
16 Methylene Chloride	84		3.492					
17 Acetone	43		3.534					
18 trans-1,2-Dichloroethene	61		3.636					
19 Methyl acetate	43		3.636					
20 Hexane	57		3.703					
21 Methyl tert-butyl ether	73		3.728					
22 2-Methyl-2-propanol	59	3.820	3.821	-0.001	1	494	0	
23 Isopropyl ether	45		4.048					
24 1,1-Dichloroethane	63		4.175					
125 Halothane	117		4.209					
25 Acrylonitrile	53		4.217					
26 Tert-butyl ethyl ether	59		4.360					
27 Vinyl acetate	43		4.377					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.630					
29 2,2-Dichloropropane	77		4.723					
31 Chlorobromomethane	130		4.798					
30 Cyclohexane	56		4.807					
32 Chloroform	83		4.849					
34 Ethyl acetate	43	4.949	4.942	0.007	60	1926	0	
36 sec-Butyl Alcohol	45	4.949	4.975	-0.026	1	420	0	
33 Carbon tetrachloride	117		4.975					
35 Tetrahydrofuran	42	4.999	4.992	0.007	16	2202	1.80	
$ 37 Dibromofluoromethane	113	5.008	5.009	-0.001	71	144682	18.7	
38 1,1,1-Trichloroethane	97		5.034					
39 2-Butanone (MEK)	43		5.110					
40 1,1-Dichloropropene	75		5.136					
41 n-Heptane	43		5.296					
42 Benzene	78		5.346					
43 Tert-amyl methyl ether	73		5.422					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.454	5.456	-0.002	0	26088	20.0	
45 1,2-Dichloroethane	62		5.506					
48 Isopropyl acetate	43		5.683					
* 46 Fluorobenzene	96	5.673	5.675	-0.002	98	641427	20.0	
47 2,4,4-Trimethyl-1-pentene	55	5.665	5.700	-0.035	29	900	0	
50 Trichloroethene	95	5.808	5.810	-0.002	16	1050	0.1021	
49 Methylcyclohexane	83		5.810					
51 2,4,4-Trimethyl-2-pentene	112		5.827					
52 Dibromomethane	93		6.147					
53 1,2-Dichloropropane	63		6.223					
54 Dichlorobromomethane	83		6.265					
55 Methyl methacrylate	69		6.374					
56 1,4-Dioxane	88		6.433					
57 n-Propyl acetate	43		6.484					
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.753					
$ 60 Toluene-d8 (Surr)	98	6.904	6.905	-0.001	84	559231	17.9	
61 Toluene	92		6.939					
63 4-Methyl-2-pentanone (MIBK)	43		7.225					
62 Tetrachloroethene	166		7.242					
64 trans-1,3-Dichloropropene	75		7.251					
65 Isobutyl acetate	43	7.300	7.301	-0.001	39	5063	0	
66 1,1,2-Trichloroethane	83		7.377					
67 Chlorodibromomethane	129		7.520					
68 1,3-Dichloropropane	76		7.596					
69 Ethylene Dibromide	107		7.714					
70 n-Butyl acetate	43	7.797	7.773	0.024	40	4893	0	
71 2-Hexanone	43		7.857					
* 72 Chlorobenzene-d5	117	8.100	8.102	-0.002	87	375307	20.0	
73 Chlorobenzene	112		8.110					
74 Ethylbenzene	91		8.127					
75 1,1,1,2-Tetrachloroethane	131		8.161					
76 m-Xylene & p-Xylene	91		8.237					
77 o-Xylene	91		8.565					
78 Styrene	104		8.607					
79 Bromoform	173		8.641					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.810					
$ 82 4-Bromofluorobenzene	95	9.036	9.037	-0.001	77	235655	22.8	
83 Bromobenzene	77		9.121					
84 N-Propylbenzene	91		9.130					
85 1,1,2,2-Tetrachloroethane	83		9.180					
86 2-Chlorotoluene	91		9.265					
87 1,3,5-Trimethylbenzene	105		9.282					
88 1,2,3-Trichloropropane	110		9.298					
89 trans-1,4-Dichloro-2-butene	53		9.324					
90 4-Chlorotoluene	91		9.391					
91 tert-Butylbenzene	119		9.534					
92 1,2,4-Trimethylbenzene	105		9.585					
93 sec-Butylbenzene	105	9.668	9.669	-0.001	84	36731	0.8970	
94 4-Isopropyltoluene	119	9.752	9.779	-0.027	83	21799	0.7021	
95 1,3-Dichlorobenzene	146		9.863					
* 96 1,4-Dichlorobenzene-d4	115	9.912	9.914	-0.002	93	124031	20.0	
97 1,4-Dichlorobenzene	146		9.930					
98 n-Butylbenzene	91	10.131	10.133	-0.002	72	19296	0.5525	
99 1,2-Dichlorobenzene	146		10.301					
100 1,2-Dibromo-3-Chloropropane	157		11.102					
101 1,3,5-Trichlorobenzene	180		11.135					
102 Hexachlorobutadiene	225		11.894					
103 1,2,4-Trichlorobenzene	180		11.944					
104 Naphthalene	128	12.423	12.425	-0.002	58	2990	0.2359	
105 1,2,3-Trichlorobenzene	180		12.720					

Report Date: 07-Dec-2011 15:23:38 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55223.D

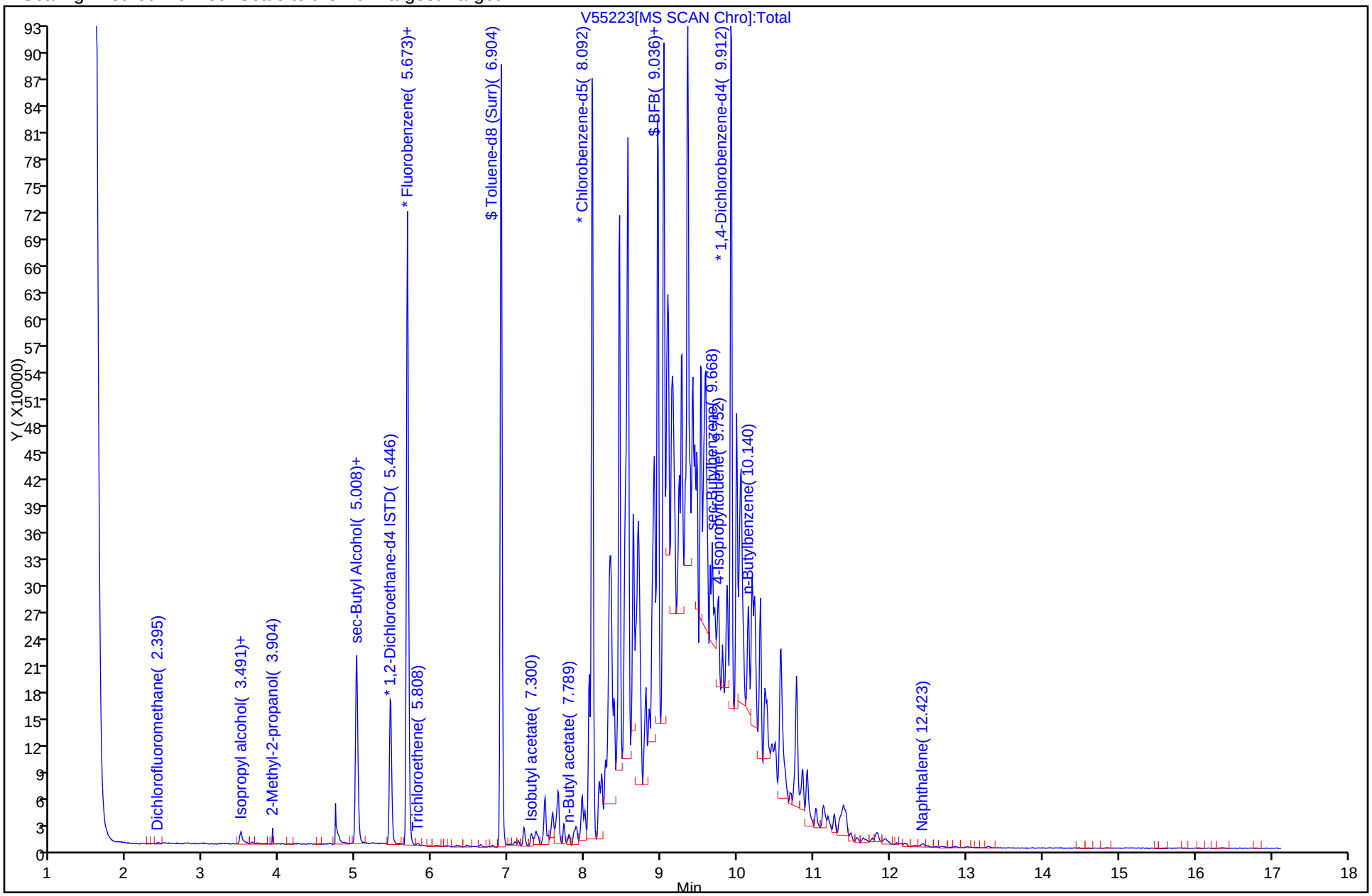
Injection Date: 01-Dec-2011 23:38:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-SO-SB301-0608 Instrument ID: HP #1 GC/MS

Lims Batch ID: 84385 Lims Sample ID: 16

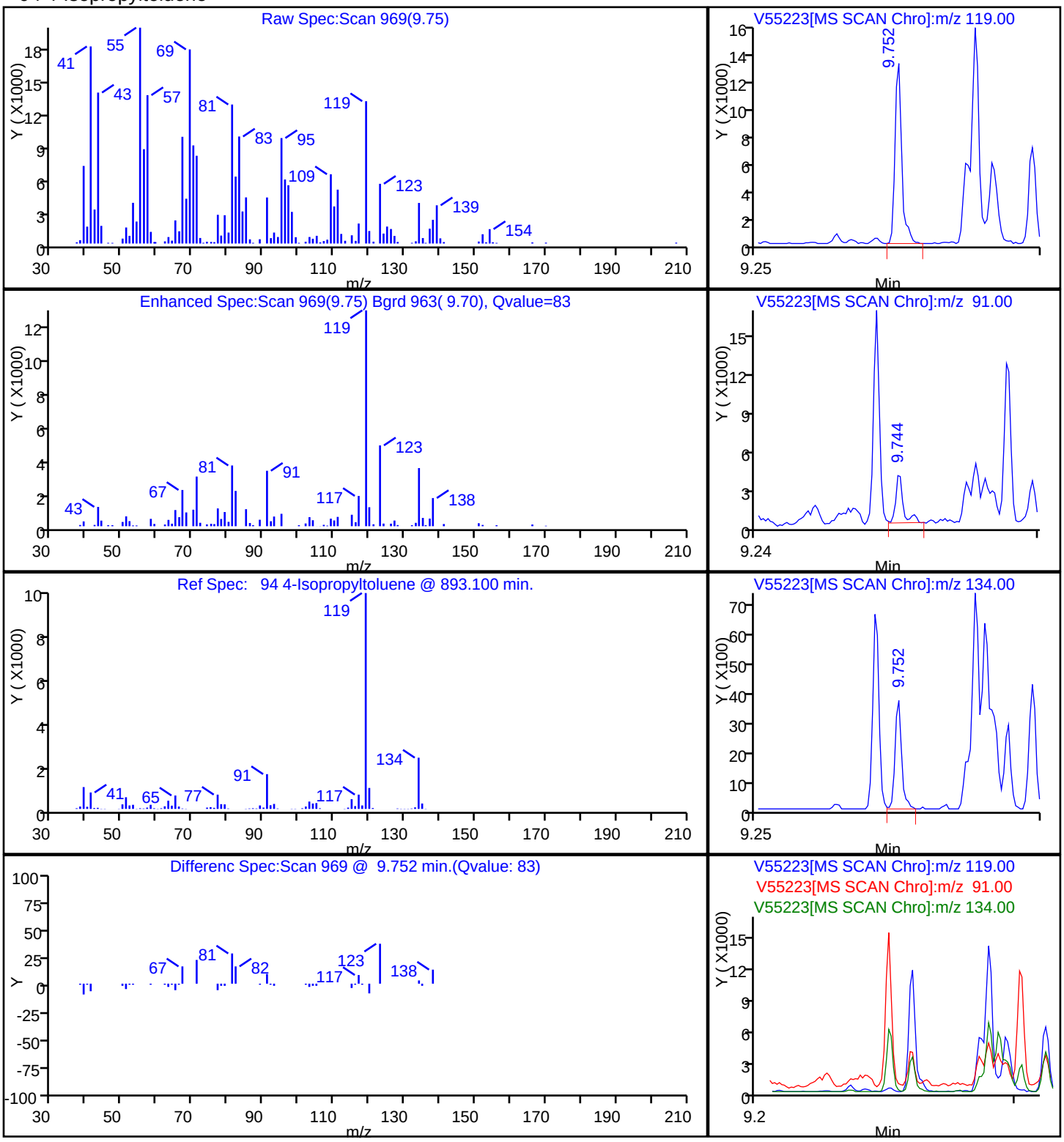
Operator ID: BW

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 07-Dec-2011 15:23:38 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55223.D
Injection Date: 01-Dec-2011 23:38:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB301-0608 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84385 Lims Sample ID: 16
Operator ID: BW

94 4-Isopropyltoluene



Report Date: 07-Dec-2011 15:23:38 Chrom Revision: 2.0 29-Sep-2011 09:38:02

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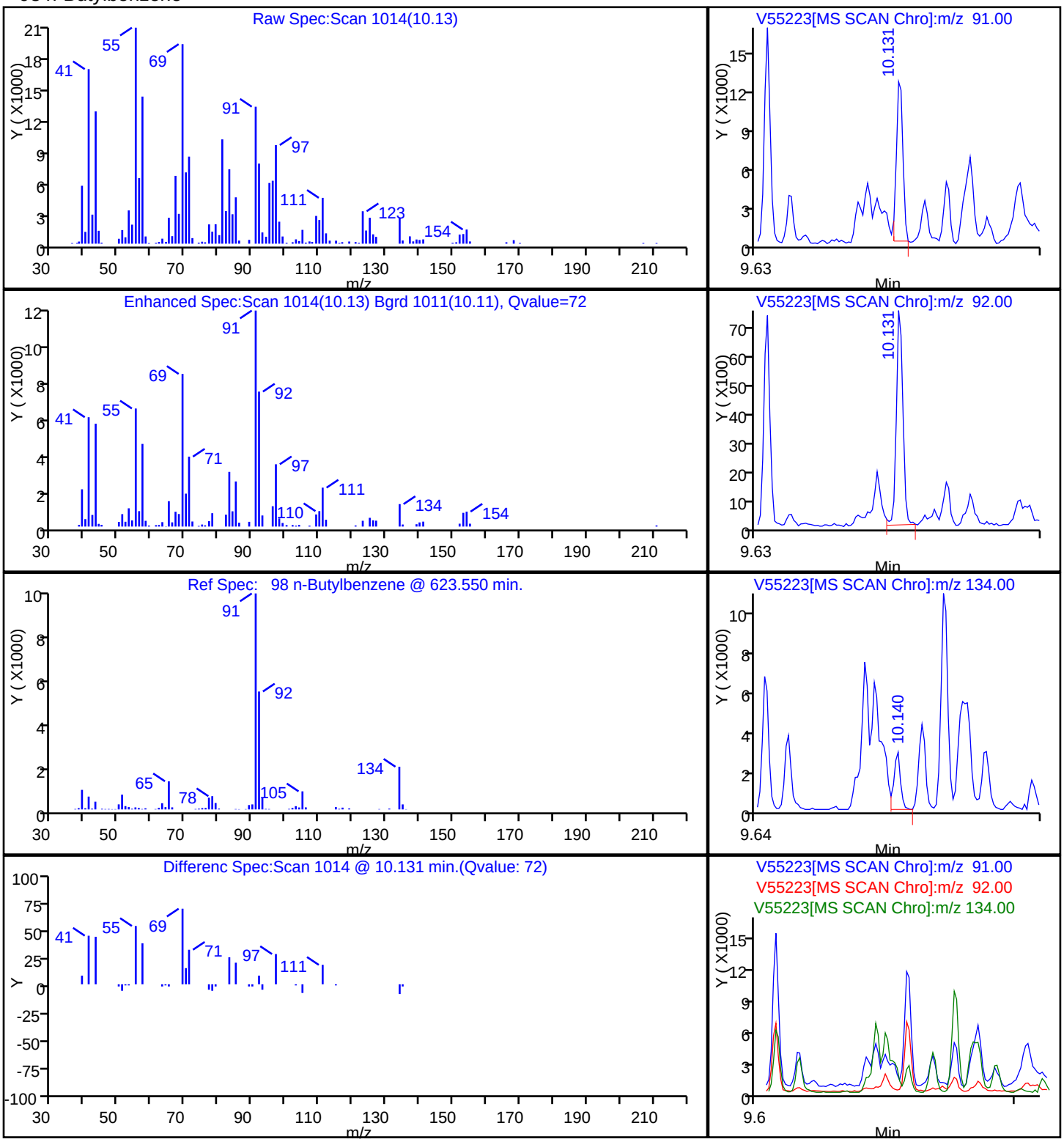
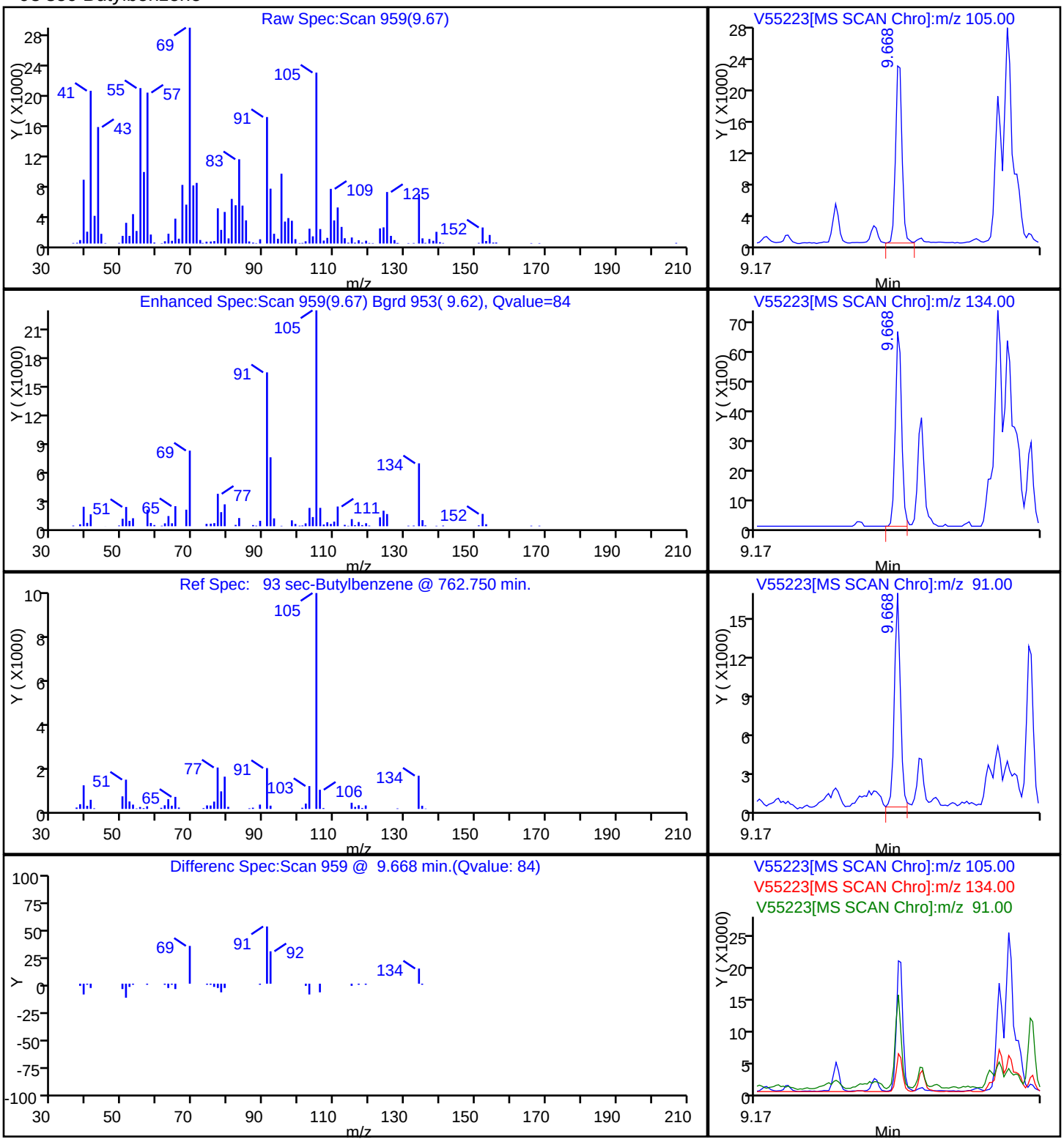
Injection Date:	01-Dec-2011 23:38:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:	BC-SO-SB301-0608	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	84385	Lims Sample ID:	16
Operator ID:	BW		

98 n-Butylbenzene



Report Date: 07-Dec-2011 15:23:38 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55223.D
Injection Date: 01-Dec-2011 23:38:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB301-0608 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84385 Lims Sample ID: 16
Operator ID: BW

93 sec-Butylbenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB302-0810 | Lab Sample ID: 360-37832-2

Matrix: Solid | Lab File ID: V55245.D

Analysis Method: 8260B | Date Collected: 11/28/2011 15:40

Sample wt/vol: 5.7(g) | Date Analyzed: 12/06/2011 22:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 10.3 | Level: (low/med) Low

Analysis Batch No.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.4	1.2
71-55-6	1,1,1-Trichloroethane	ND		2.4	2.0
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	1.4
79-00-5	1,1,2-Trichloroethane	ND		2.4	0.98
75-34-3	1,1-Dichloroethane	ND		2.4	1.9
75-35-4	1,1-Dichloroethene	ND		2.4	1.6
563-58-6	1,1-Dichloropropene	ND		2.4	1.5
87-61-6	1,2,3-Trichlorobenzene	ND		2.4	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.4	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		2.4	0.98
95-63-6	1,2,4-Trimethylbenzene	ND		2.4	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	ND		24	2.7
95-50-1	1,2-Dichlorobenzene	ND		2.4	0.98
107-06-2	1,2-Dichloroethane	ND		2.4	0.98
78-87-5	1,2-Dichloropropane	ND		2.4	1.6
108-67-8	1,3,5-Trimethylbenzene	ND		2.4	1.5
541-73-1	1,3-Dichlorobenzene	ND		2.4	0.98
142-28-9	1,3-Dichloropropane	ND		2.4	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.4	0.98
594-20-7	2,2-Dichloropropane	ND		2.4	2.1
78-93-3	2-Butanone (MEK)	ND		24	11
95-49-8	2-Chlorotoluene	ND		2.4	1.3
591-78-6	2-Hexanone	ND		24	14
106-43-4	4-Chlorotoluene	ND		2.4	1.2
99-87-6	4-Isopropyltoluene	ND		2.4	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	24	10
67-64-1	Acetone	ND		240	98
107-13-1	Acrylonitrile	ND		24	2.3
71-43-2	Benzene	ND		2.4	1.6
108-86-1	Bromobenzene	ND		2.4	0.98
75-25-2	Bromoform	ND		2.4	1.6
74-83-9	Bromomethane	ND		4.9	2.2
75-15-0	Carbon disulfide	ND		2.4	1.9
56-23-5	Carbon tetrachloride	ND		2.4	1.7
108-90-7	Chlorobenzene	ND		2.4	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB302-0810 | Lab Sample ID: 360-37832-2

Matrix: Solid | Lab File ID: V55245.D

Analysis Method: 8260B | Date Collected: 11/28/2011 15:40

Sample wt/vol: 5.7(g) | Date Analyzed: 12/06/2011 22:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 10.3 | Level: (low/med) Low

Analysis Batch No.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.4	1.2
75-00-3	Chloroethane	ND		4.9	2.0
67-66-3	Chloroform	ND		2.4	1.5
74-87-3	Chloromethane	ND		4.9	1.6
156-59-2	cis-1,2-Dichloroethene	ND		2.4	1.2
10061-01-5	cis-1,3-Dichloropropene	ND		2.4	0.98
74-95-3	Dibromomethane	ND		2.4	1.2
75-27-4	Dichlorobromomethane	ND		2.4	1.3
75-71-8	Dichlorodifluoromethane	ND		4.9	2.1
100-41-4	Ethylbenzene	ND		2.4	1.8
106-93-4	Ethylene Dibromide	ND		2.4	1.1
87-68-3	Hexachlorobutadiene	ND		2.4	1.5
98-82-8	Isopropylbenzene	ND		2.4	1.5
179601-23-1	m-Xylene & p-Xylene	ND		4.9	3.4
1634-04-4	Methyl tert-butyl ether	ND		2.4	1.5
75-09-2	Methylene Chloride	ND		9.8	9.6
104-51-8	n-Butylbenzene	ND		2.4	1.2
103-65-1	N-Propylbenzene	ND	*	2.4	1.7
91-20-3	Naphthalene	ND		24	2.2
95-47-6	o-Xylene	ND		2.4	1.3
135-98-8	sec-Butylbenzene	ND		2.4	1.4
100-42-5	Styrene	ND		2.4	0.98
98-06-6	tert-Butylbenzene	ND		2.4	1.4
127-18-4	Tetrachloroethene	ND		2.4	1.8
109-99-9	Tetrahydrofuran	ND		49	12
108-88-3	Toluene	ND		2.4	1.8
156-60-5	trans-1,2-Dichloroethene	ND		2.4	1.6
10061-02-6	trans-1,3-Dichloropropene	ND		2.4	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	4.9	2.1
79-01-6	Trichloroethene	ND		2.4	2.1
75-69-4	Trichlorofluoromethane	ND		4.9	1.4
75-01-4	Vinyl chloride	ND		2.4	1.7
1330-20-7	Xylenes, Total	ND		4.9	3.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB302-0810 Lab Sample ID: 360-37832-2

Matrix: Solid Lab File ID: V55245.D

Analysis Method: 8260B Date Collected: 11/28/2011 15:40

Sample wt/vol: 5.7(g) Date Analyzed: 12/06/2011 22:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 10.3 Level: (low/med) Low

Analysis Batch No.: 84468 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	103		70-130
1868-53-7	Dibromofluoromethane	97		70-130
2037-26-5	Toluene-d8 (Surr)	91		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55245.D		
Lims ID:	360-37832-D-2-A	Client ID:	BC-SO-SB302-0810
Inject. Date:	06-Dec-2011 22:22:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-D-2		
Misc. Info.:	8260LL =8260LL		
Operator:	BW	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	84468	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m		
Last Update:	07-Dec-2011 16:51:25	Calib Date:	28-Nov-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		
First Level Reviewer: weigelb		Date:	08-Dec-2011 08:26:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.754					
2 Chloromethane	50		1.889					
3 Vinyl chloride	62		1.990					
4 Bromomethane	94		2.310					
5 Chloroethane	64		2.420					
6 Trichlorofluoromethane	101		2.504					
7 Dichlorofluoromethane	67	2.620	2.614	0.006	1	120	0	
8 Ethyl ether	59		2.791					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.984					
9 1,1-Dichloroethene	96		2.984					
11 Ethanol	45	2.990	3.010	-0.020	1	601	0	
10 Carbon disulfide	76		3.018					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.077					
14 Acrolein	56		3.296					
15 Isopropyl alcohol	45	3.454	3.456	-0.002	90	7556	0	
16 Methylene Chloride	84	3.521	3.515	0.006	94	16249	0.9327	
17 Acetone	43		3.557					
18 trans-1,2-Dichloroethene	61		3.659					
19 Methyl acetate	43		3.667					
20 Hexane	57	3.732	3.726	0.006	59	1173	0	
21 Methyl tert-butyl ether	73		3.751					
22 2-Methyl-2-propanol	59	3.884	3.827	0.057	1	581	0	
23 Isopropyl ether	45		4.080					
24 1,1-Dichloroethane	63		4.198					
125 Halothane	117		4.232					
25 Acrylonitrile	53		4.240					
26 Tert-butyl ethyl ether	59		4.392					
27 Vinyl acetate	43		4.400					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.653					
29 2,2-Dichloropropane	77		4.754					
31 Chlorobromomethane	130		4.830					
30 Cyclohexane	56		4.830					
32 Chloroform	83		4.880					
34 Ethyl acetate	43	4.979	4.973	0.006	84	3207	0	
36 sec-Butyl Alcohol	45		5.007					
33 Carbon tetrachloride	117		5.007					
35 Tetrahydrofuran	42		5.015					
$ 37 Dibromofluoromethane	113	5.038	5.032	0.006	73	142314	19.3	
38 1,1,1-Trichloroethane	97		5.066					
39 2-Butanone (MEK)	43		5.142					
40 1,1-Dichloropropene	75		5.167					
41 n-Heptane	43		5.327					
42 Benzene	78		5.369					
43 Tert-amyl methyl ether	73		5.454					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.485	5.479	0.006	0	25771	20.0	
45 1,2-Dichloroethane	62		5.538					
* 46 Fluorobenzene	96	5.704	5.698	0.006	98	610849	20.0	
48 Isopropyl acetate	43		5.715					
47 2,4,4-Trimethyl-1-pentene	55	5.695	5.723	-0.028	30	1169	0	
50 Trichloroethene	95	5.830	5.833	-0.003	46	1255	0.1281	
49 Methylcyclohexane	83		5.833					
51 2,4,4-Trimethyl-2-pentene	112		5.858					
52 Dibromomethane	93		6.170					
53 1,2-Dichloropropane	63		6.254					
54 Dichlorobromomethane	83		6.296					
55 Methyl methacrylate	69		6.406					
56 1,4-Dioxane	88		6.456					
57 n-Propyl acetate	43	6.513	6.507	0.006	72	2159	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.785					
$ 60 Toluene-d8 (Surr)	98	6.926	6.928	-0.002	84	540042	18.2	
61 Toluene	92		6.970					
63 4-Methyl-2-pentanone (MIBK)	43		7.248					
62 Tetrachloroethene	166		7.265					
64 trans-1,3-Dichloropropene	75		7.282					
65 Isobutyl acetate	43	7.330	7.333	-0.003	69	792	0	
66 1,1,2-Trichloroethane	83		7.409					
67 Chlorodibromomethane	129		7.543					
68 1,3-Dichloropropane	76		7.619					
69 Ethylene Dibromide	107		7.737					
70 n-Butyl acetate	43	7.802	7.796	0.006	75	1306	0	
71 2-Hexanone	43		7.889					
* 72 Chlorobenzene-d5	117	8.122	8.125	-0.003	89	382085	20.0	
73 Chlorobenzene	112		8.133					
74 Ethylbenzene	91		8.150					
75 1,1,1,2-Tetrachloroethane	131		8.184					
76 m-Xylene & p-Xylene	91		8.260					
77 o-Xylene	91		8.588					
78 Styrene	104		8.630					
79 Bromoform	173		8.664					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.833					
$ 82 4-Bromofluorobenzene	95	9.058	9.060	-0.002	80	216363	20.5	
83 Bromobenzene	77		9.144					
84 N-Propylbenzene	91		9.153					
85 1,1,2,2-Tetrachloroethane	83		9.203					
86 2-Chlorotoluene	91		9.279					
87 1,3,5-Trimethylbenzene	105		9.296					
88 1,2,3-Trichloropropane	110		9.321					
89 trans-1,4-Dichloro-2-butene	53		9.338					
90 4-Chlorotoluene	91		9.414					
91 tert-Butylbenzene	119		9.557					
92 1,2,4-Trimethylbenzene	105		9.608					
93 sec-Butylbenzene	105		9.692					
94 4-Isopropyltoluene	119		9.802					
95 1,3-Dichlorobenzene	146		9.878					
* 96 1,4-Dichlorobenzene-d4	115	9.934	9.937	-0.003	97	122655	20.0	
97 1,4-Dichlorobenzene	146		9.953					
98 n-Butylbenzene	91		10.156					
99 1,2-Dichlorobenzene	146		10.324					
100 1,2-Dibromo-3-Chloropropane	157		11.125					
101 1,3,5-Trichlorobenzene	180		11.158					
102 Hexachlorobutadiene	225		11.925					
103 1,2,4-Trichlorobenzene	180		11.976					
104 Naphthalene	128		12.456					
105 1,2,3-Trichlorobenzene	180		12.760					

Report Date: 08-Dec-2011 08:26:21 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55245.D

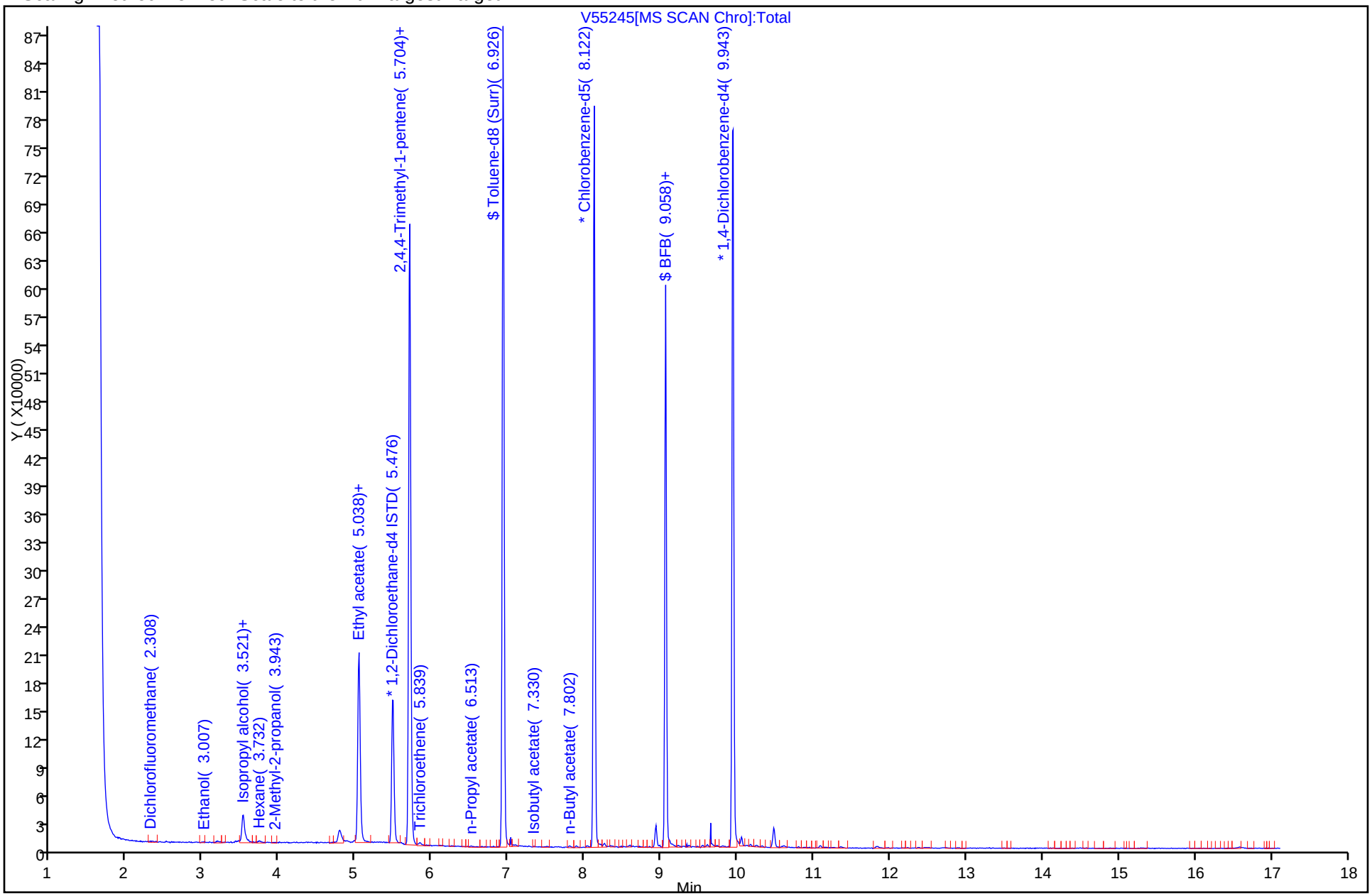
Injection Date: 06-Dec-2011 22:22:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-SO-SB302-0810 Instrument ID: HP #1 GC/MS

Lims Batch ID: 84468 Lims Sample ID: 13

Operator ID: BW

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB133-0002 | Lab Sample ID: 360-37832-3

Matrix: Solid | Lab File ID: V55246.D

Analysis Method: 8260B | Date Collected: 11/28/2011 13:37

Sample wt/vol: 5.13(g) | Date Analyzed: 12/06/2011 22:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 10.4 | Level: (low/med) Low

Analysis Batch No.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.7	1.3
71-55-6	1,1,1-Trichloroethane	3.4		2.7	2.2
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	1.6
79-00-5	1,1,2-Trichloroethane	ND		2.7	1.1
75-34-3	1,1-Dichloroethane	ND		2.7	2.1
75-35-4	1,1-Dichloroethene	ND		2.7	1.7
563-58-6	1,1-Dichloropropene	ND		2.7	1.6
87-61-6	1,2,3-Trichlorobenzene	ND		2.7	1.2
96-18-4	1,2,3-Trichloropropane	ND		2.7	1.3
120-82-1	1,2,4-Trichlorobenzene	ND		2.7	1.1
95-63-6	1,2,4-Trimethylbenzene	ND		2.7	1.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		27	3.0
95-50-1	1,2-Dichlorobenzene	ND		2.7	1.1
107-06-2	1,2-Dichloroethane	ND		2.7	1.1
78-87-5	1,2-Dichloropropane	ND		2.7	1.7
108-67-8	1,3,5-Trimethylbenzene	ND		2.7	1.6
541-73-1	1,3-Dichlorobenzene	ND		2.7	1.1
142-28-9	1,3-Dichloropropane	ND		2.7	1.2
106-46-7	1,4-Dichlorobenzene	ND		2.7	1.1
594-20-7	2,2-Dichloropropane	ND		2.7	2.3
78-93-3	2-Butanone (MEK)	ND		27	12
95-49-8	2-Chlorotoluene	ND		2.7	1.4
591-78-6	2-Hexanone	ND		27	15
106-43-4	4-Chlorotoluene	ND		2.7	1.3
99-87-6	4-Isopropyltoluene	ND		2.7	1.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	27	11
67-64-1	Acetone	ND		270	110
107-13-1	Acrylonitrile	ND		27	2.6
71-43-2	Benzene	ND		2.7	1.7
108-86-1	Bromobenzene	ND		2.7	1.1
75-25-2	Bromoform	ND		2.7	1.7
74-83-9	Bromomethane	ND		5.4	2.5
75-15-0	Carbon disulfide	ND		2.7	2.1
56-23-5	Carbon tetrachloride	ND		2.7	1.8
108-90-7	Chlorobenzene	ND		2.7	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB133-0002 Lab Sample ID: 360-37832-3

Matrix: Solid Lab File ID: V55246.D

Analysis Method: 8260B Date Collected: 11/28/2011 13:37

Sample wt/vol: 5.13(g) Date Analyzed: 12/06/2011 22:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 10.4 Level: (low/med) Low

Analysis Batch No.: 84468 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.7	1.3
75-00-3	Chloroethane	ND		5.4	2.2
67-66-3	Chloroform	ND		2.7	1.6
74-87-3	Chloromethane	ND		5.4	1.7
156-59-2	cis-1,2-Dichloroethene	ND		2.7	1.3
10061-01-5	cis-1,3-Dichloropropene	ND		2.7	1.1
74-95-3	Dibromomethane	ND		2.7	1.4
75-27-4	Dichlorobromomethane	ND		2.7	1.4
75-71-8	Dichlorodifluoromethane	ND		5.4	2.3
100-41-4	Ethylbenzene	ND		2.7	2.0
106-93-4	Ethylene Dibromide	ND		2.7	1.2
87-68-3	Hexachlorobutadiene	ND		2.7	1.6
98-82-8	Isopropylbenzene	ND		2.7	1.6
179601-23-1	m-Xylene & p-Xylene	ND		5.4	3.8
1634-04-4	Methyl tert-butyl ether	ND		2.7	1.6
75-09-2	Methylene Chloride	ND		11	11
104-51-8	n-Butylbenzene	ND		2.7	1.3
103-65-1	N-Propylbenzene	ND	*	2.7	1.8
91-20-3	Naphthalene	ND		27	2.5
95-47-6	o-Xylene	ND		2.7	1.4
135-98-8	sec-Butylbenzene	ND		2.7	1.5
100-42-5	Styrene	ND		2.7	1.1
98-06-6	tert-Butylbenzene	ND		2.7	1.5
127-18-4	Tetrachloroethene	14		2.7	2.0
109-99-9	Tetrahydrofuran	ND		54	13
108-88-3	Toluene	ND		2.7	2.0
156-60-5	trans-1,2-Dichloroethene	ND		2.7	1.7
10061-02-6	trans-1,3-Dichloropropene	ND		2.7	1.1
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	5.4	2.3
79-01-6	Trichloroethene	130		2.7	2.3
75-69-4	Trichlorofluoromethane	ND		5.4	1.5
75-01-4	Vinyl chloride	ND		2.7	1.8
1330-20-7	Xylenes, Total	ND		5.4	3.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB133-0002 Lab Sample ID: 360-37832-3

Matrix: Solid Lab File ID: V55246.D

Analysis Method: 8260B Date Collected: 11/28/2011 13:37

Sample wt/vol: 5.13(g) Date Analyzed: 12/06/2011 22:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 10.4 Level: (low/med) Low

Analysis Batch No.: 84468 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	96		70-130
1868-53-7	Dibromofluoromethane	96		70-130
2037-26-5	Toluene-d8 (Surr)	88		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55246.D
Lims ID: 360-37832-D-3-A
Client ID: BC-SO-SB133-0002
Inject. Date: 06-Dec-2011 22:48:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37832-D-3
Misc. Info.: 8260LL =8260LL
Operator: BW
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 14
Lims Batch ID: 84468
Lims Sample ID: 14
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m
Last Update: 07-Dec-2011 16:51:25
Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE
ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb
Date: 08-Dec-2011 08:27:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.754					
2 Chloromethane	50		1.889					
3 Vinyl chloride	62		1.990					
4 Bromomethane	94		2.310					
5 Chloroethane	64		2.420					
6 Trichlorofluoromethane	101		2.504					
7 Dichlorofluoromethane	67	2.523	2.614	-0.092	1	85	0	
8 Ethyl ether	59		2.791					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.984					
9 1,1-Dichloroethene	96		2.984					
11 Ethanol	45	3.003	3.010	-0.007	28	685	0	
10 Carbon disulfide	76		3.018					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.077					
14 Acrolein	56		3.296					
15 Isopropyl alcohol	45	3.433	3.456	-0.023	80	8163	0	
16 Methylene Chloride	84	3.517	3.515	0.002	92	13589	0.6729	
17 Acetone	43		3.557					
18 trans-1,2-Dichloroethene	61		3.659					
19 Methyl acetate	43		3.667					
20 Hexane	57	3.736	3.726	0.010	58	1211	0	
21 Methyl tert-butyl ether	73		3.751					
22 2-Methyl-2-propanol	59	3.812	3.827	-0.015	14	455	0	
23 Isopropyl ether	45		4.080					
24 1,1-Dichloroethane	63		4.198					
125 Halothane	117		4.232					
25 Acrylonitrile	53		4.240					
26 Tert-butyl ethyl ether	59		4.392					
27 Vinyl acetate	43		4.400					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.653					
29 2,2-Dichloropropane	77		4.754					
31 Chlorobromomethane	130		4.830					
30 Cyclohexane	56		4.830					
32 Chloroform	83		4.880					
34 Ethyl acetate	43	4.983	4.973	0.010	86	4207	0	
36 sec-Butyl Alcohol	45		5.007					
33 Carbon tetrachloride	117		5.007					
35 Tetrahydrofuran	42		5.015					
$ 37 Dibromofluoromethane	113	5.034	5.032	0.002	70	140845	19.3	
38 1,1,1-Trichloroethane	97	5.067	5.066	0.001	53	8519	0.6294	
39 2-Butanone (MEK)	43		5.142					
40 1,1-Dichloropropene	75		5.167					
41 n-Heptane	43		5.327					
42 Benzene	78		5.369					
43 Tert-amyl methyl ether	73		5.454					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.480	5.479	0.001	0	25895	20.0	
45 1,2-Dichloroethane	62		5.538					
* 46 Fluorobenzene	96	5.708	5.698	0.010	98	606595	20.0	
48 Isopropyl acetate	43		5.715					
47 2,4,4-Trimethyl-1-pentene	55	5.699	5.723	-0.024	27	1447	0	
50 Trichloroethene	95	5.834	5.833	0.001	90	231491	23.8	
49 Methylcyclohexane	83		5.833					
51 2,4,4-Trimethyl-2-pentene	112		5.858					
52 Dibromomethane	93		6.170					
53 1,2-Dichloropropane	63		6.254					
54 Dichlorobromomethane	83		6.296					
55 Methyl methacrylate	69		6.406					
56 1,4-Dioxane	88		6.456					
57 n-Propyl acetate	43	6.508	6.507	0.001	60	1135	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.785					
$ 60 Toluene-d8 (Surr)	98	6.930	6.928	0.002	84	522322	17.7	
61 Toluene	92		6.970					
63 4-Methyl-2-pentanone (MIBK)	43		7.248					
62 Tetrachloroethene	166	7.267	7.265	0.002	94	20886	2.56	
64 trans-1,3-Dichloropropene	75		7.282					
65 Isobutyl acetate	43	7.326	7.333	-0.007	32	468	0	
66 1,1,2-Trichloroethane	83		7.409					
67 Chlorodibromomethane	129		7.543					
68 1,3-Dichloropropane	76		7.619					
69 Ethylene Dibromide	107		7.737					
70 n-Butyl acetate	43	7.798	7.796	0.002	74	1354	0	
71 2-Hexanone	43		7.889					
* 72 Chlorobenzene-d5	117	8.126	8.125	0.001	86	357456	20.0	
73 Chlorobenzene	112		8.133					
74 Ethylbenzene	91		8.150					
75 1,1,1,2-Tetrachloroethane	131		8.184					
76 m-Xylene & p-Xylene	91		8.260					
77 o-Xylene	91		8.588					
78 Styrene	104		8.630					
79 Bromoform	173		8.664					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.833					
$ 82 4-Bromofluorobenzene	95	9.062	9.060	0.002	83	190181	19.3	
83 Bromobenzene	77		9.144					
84 N-Propylbenzene	91		9.153					
85 1,1,2,2-Tetrachloroethane	83		9.203					
86 2-Chlorotoluene	91		9.279					
87 1,3,5-Trimethylbenzene	105		9.296					
88 1,2,3-Trichloropropane	110		9.321					
89 trans-1,4-Dichloro-2-butene	53		9.338					
90 4-Chlorotoluene	91		9.414					
91 tert-Butylbenzene	119		9.557					
92 1,2,4-Trimethylbenzene	105		9.608					
93 sec-Butylbenzene	105		9.692					
94 4-Isopropyltoluene	119		9.802					
95 1,3-Dichlorobenzene	146		9.878					
* 96 1,4-Dichlorobenzene-d4	115	9.938	9.937	0.001	97	101203	20.0	
97 1,4-Dichlorobenzene	146		9.953					
98 n-Butylbenzene	91		10.156					
99 1,2-Dichlorobenzene	146		10.324					
100 1,2-Dibromo-3-Chloropropane	157		11.125					
101 1,3,5-Trichlorobenzene	180		11.158					
102 Hexachlorobutadiene	225		11.925					
103 1,2,4-Trichlorobenzene	180		11.976					
104 Naphthalene	128		12.456					
105 1,2,3-Trichlorobenzene	180		12.760					

Report Date: 08-Dec-2011 08:38:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55246.D

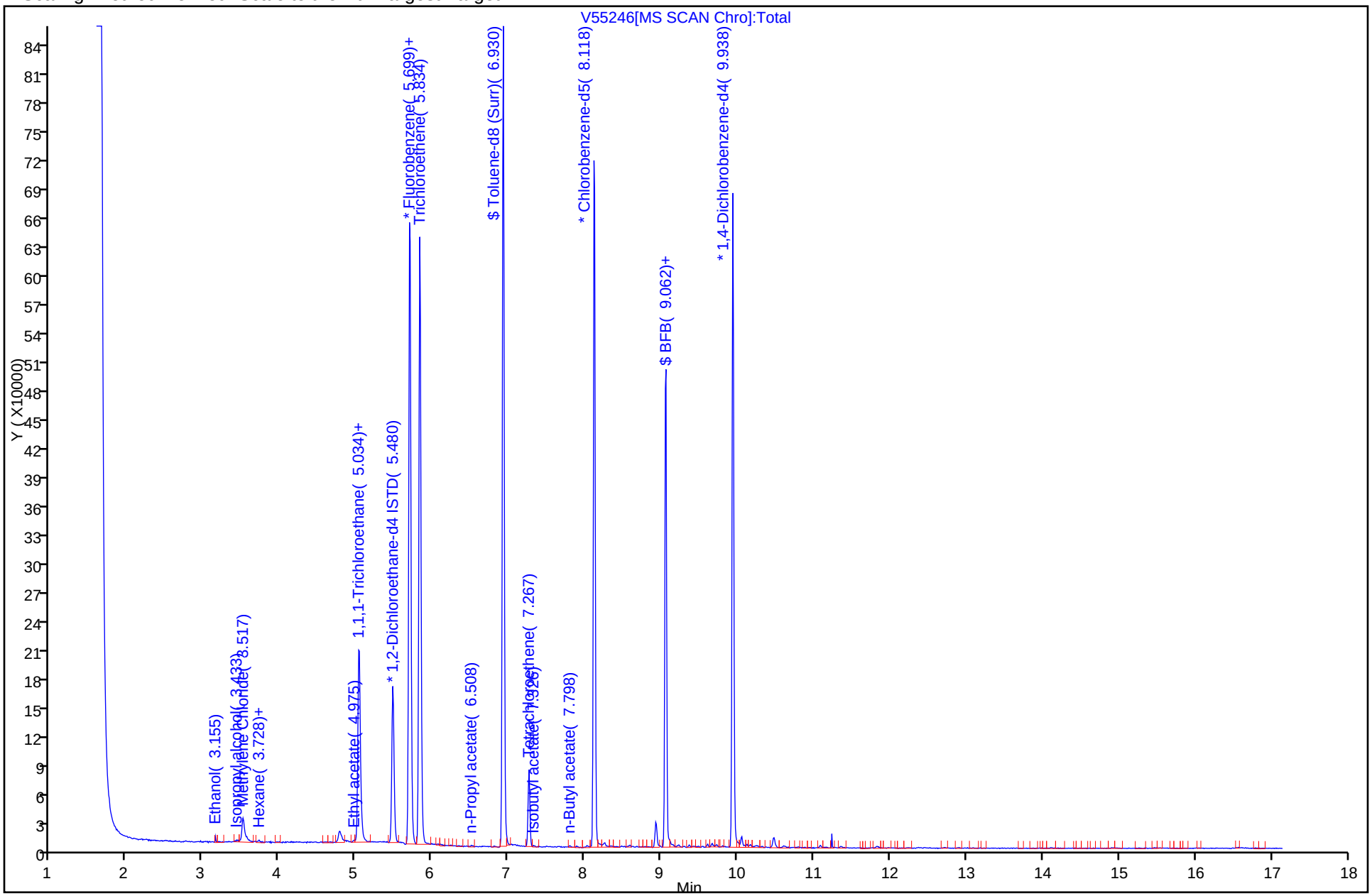
Injection Date: 06-Dec-2011 22:48:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-SO-SB133-0002 Instrument ID: HP #1 GC/MS

Lims Batch ID: 84468 Lims Sample ID: 14

Operator ID: BW

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Dec-2011 08:38:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02
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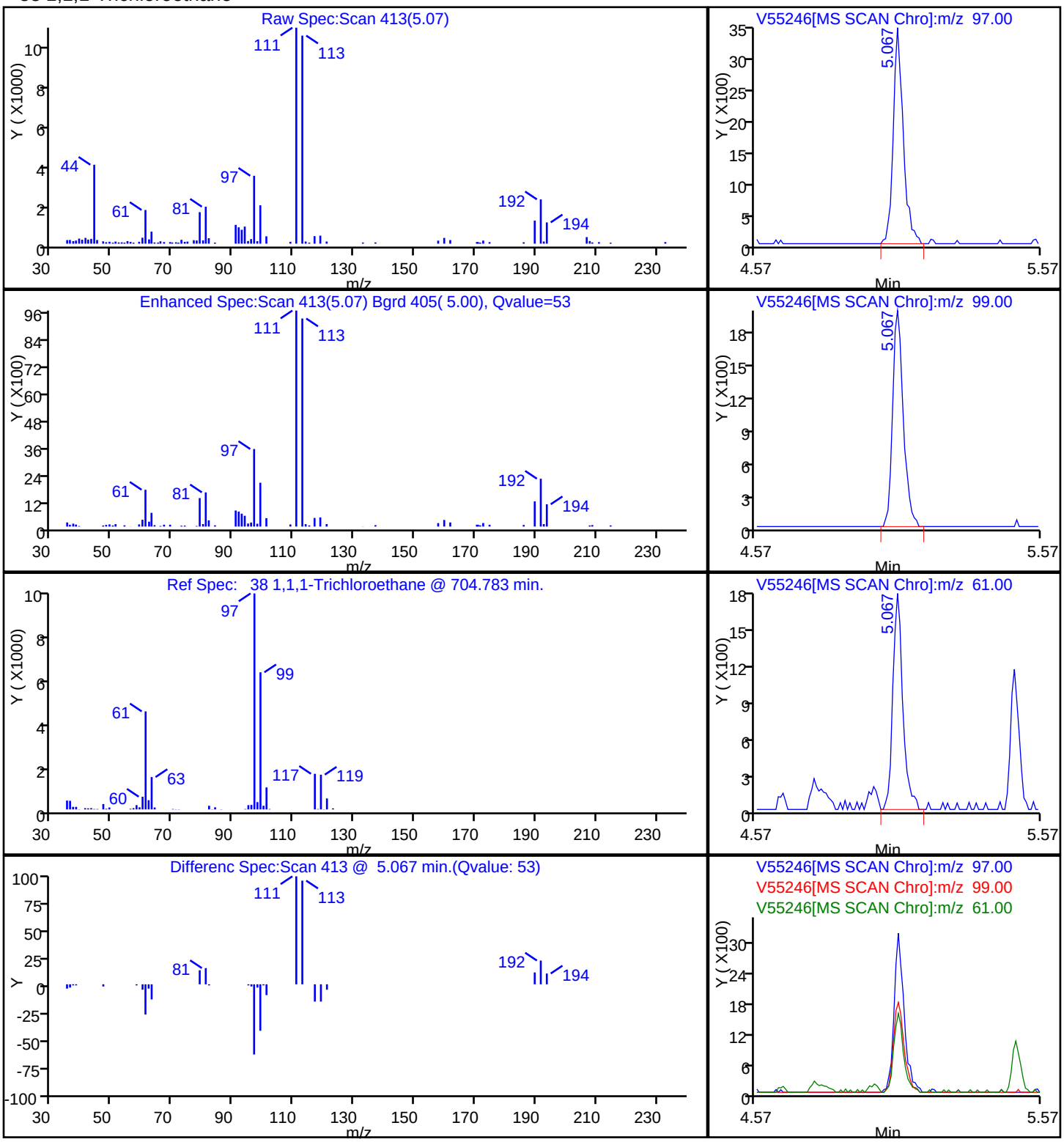
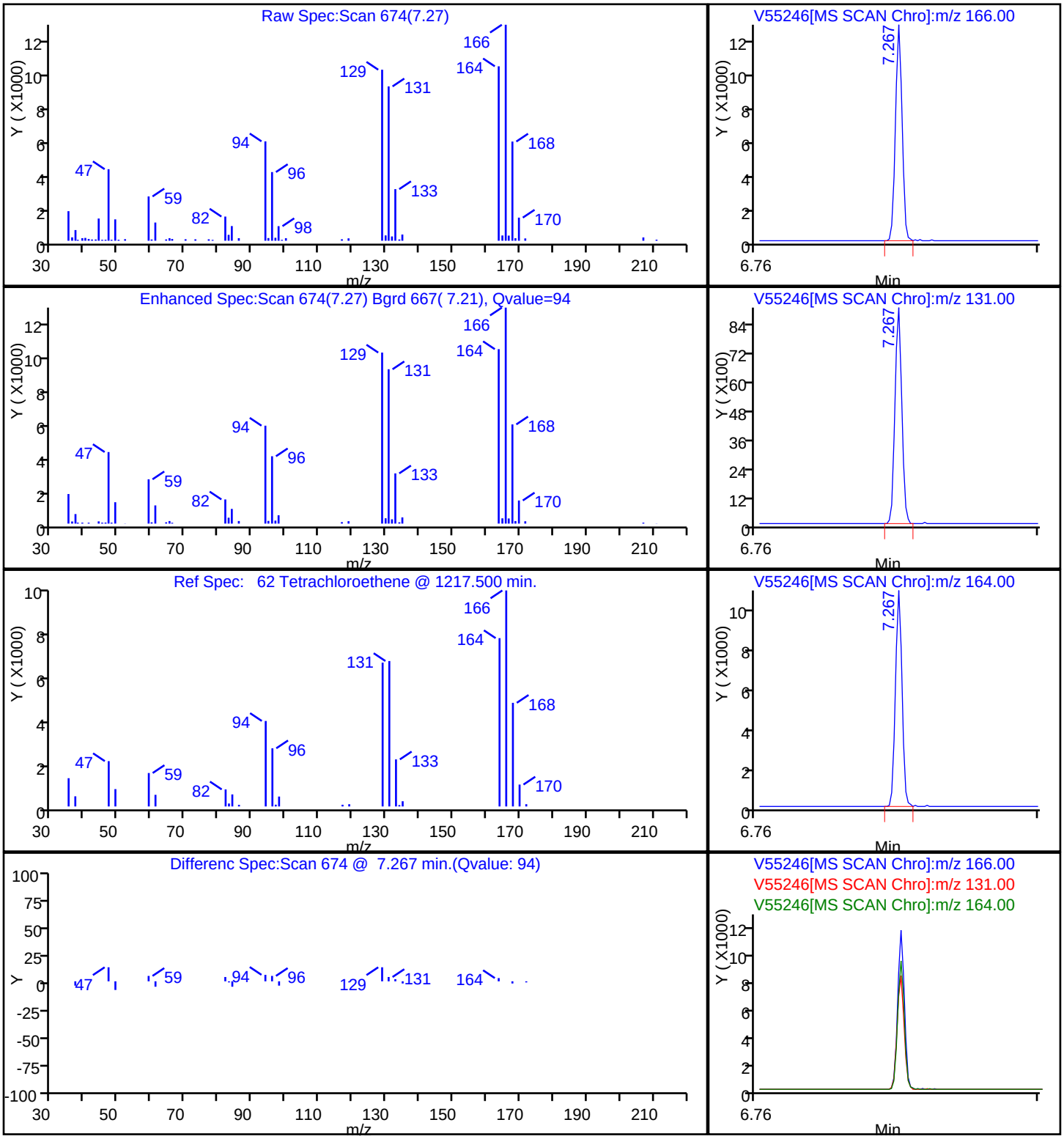
Injection Date: 06-Dec-2011 22:48:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB133-0002 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 14
Operator ID: BW

38 1,1,1-Trichloroethane

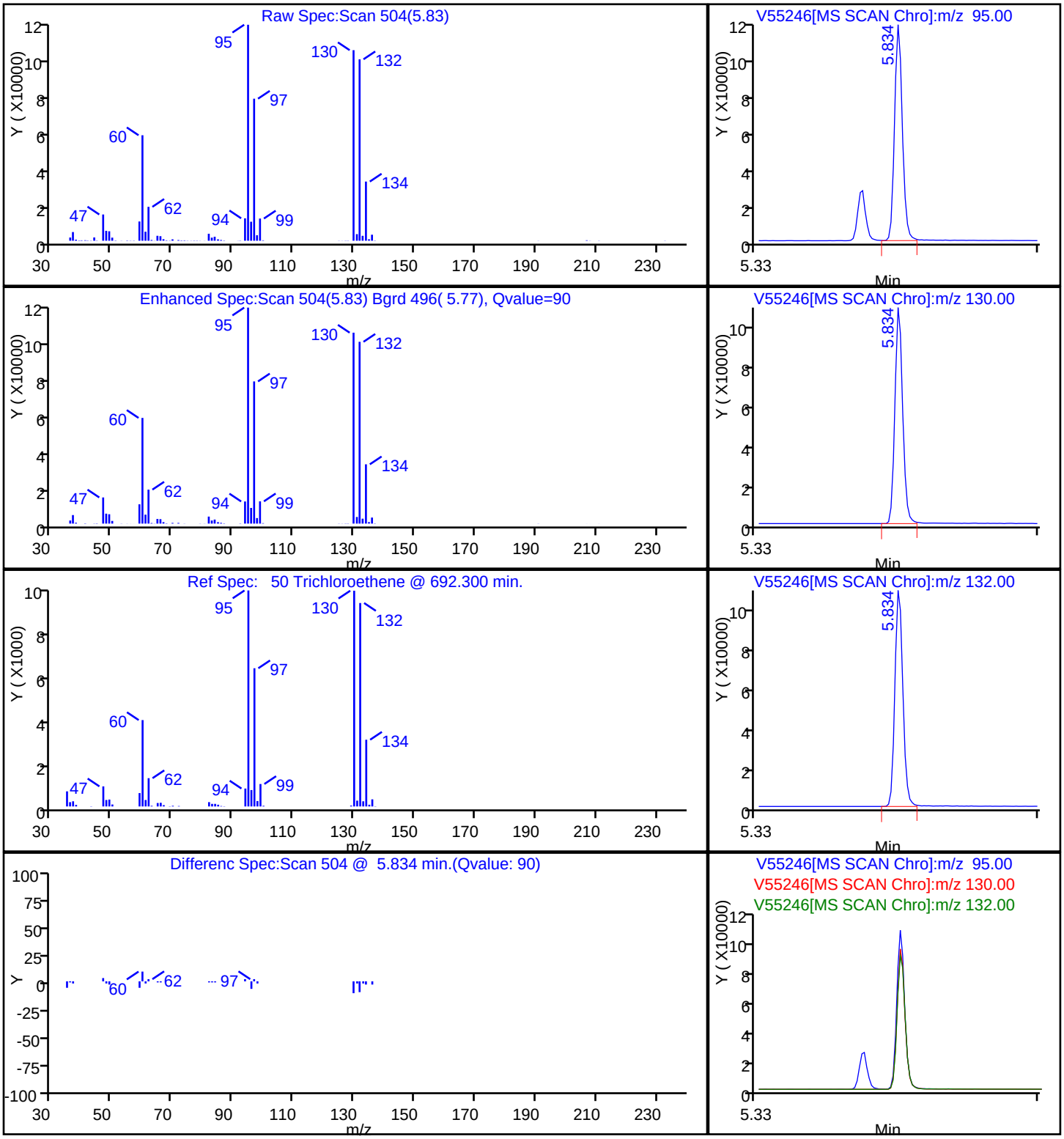


Report Date: 08-Dec-2011 08:38:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55246.D
Injection Date: 06-Dec-2011 22:48:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB133-0002 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 14
Operator ID: BW
62 Tetrachloroethene



Report Date: 08-Dec-2011 08:38:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55246.D
Injection Date: 06-Dec-2011 22:48:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB133-0002 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 14
Operator ID: BW

50 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SBDUP01 | Lab Sample ID: 360-37832-4

Matrix: Solid | Lab File ID: V55247.D

Analysis Method: 8260B | Date Collected: 11/28/2011 00:00

Sample wt/vol: 5.32(g) | Date Analyzed: 12/06/2011 23:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.4 | Level: (low/med) Low

Analysis Batch No.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.2
71-55-6	1,1,1-Trichloroethane	ND		2.5	2.0
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		13	1.4
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.9
75-35-4	1,1-Dichloroethene	ND		2.5	1.6
563-58-6	1,1-Dichloropropene	ND		2.5	1.5
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	2.8
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
78-87-5	1,2-Dichloropropane	ND		2.5	1.6
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.5
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
594-20-7	2,2-Dichloropropane	ND		2.5	2.1
78-93-3	2-Butanone (MEK)	ND		25	11
95-49-8	2-Chlorotoluene	ND		2.5	1.3
591-78-6	2-Hexanone	ND		25	14
106-43-4	4-Chlorotoluene	ND		2.5	1.2
99-87-6	4-Isopropyltoluene	ND		2.5	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	25	10
67-64-1	Acetone	ND		250	100
107-13-1	Acrylonitrile	ND		25	2.4
71-43-2	Benzene	ND		2.5	1.6
108-86-1	Bromobenzene	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.6
74-83-9	Bromomethane	ND		5.0	2.3
75-15-0	Carbon disulfide	ND		2.5	1.9
56-23-5	Carbon tetrachloride	ND		2.5	1.7
108-90-7	Chlorobenzene	ND		2.5	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SBDUP01 | Lab Sample ID: 360-37832-4

Matrix: Solid | Lab File ID: V55247.D

Analysis Method: 8260B | Date Collected: 11/28/2011 00:00

Sample wt/vol: 5.32(g) | Date Analyzed: 12/06/2011 23:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.4 | Level: (low/med) Low

Analysis Batch No.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.5	1.2
75-00-3	Chloroethane	ND		5.0	2.0
67-66-3	Chloroform	ND		2.5	1.5
74-87-3	Chloromethane	ND		5.0	1.6
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.2
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.3
75-27-4	Dichlorobromomethane	ND		2.5	1.3
75-71-8	Dichlorodifluoromethane	ND		5.0	2.1
100-41-4	Ethylbenzene	ND		2.5	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.1
87-68-3	Hexachlorobutadiene	ND		2.5	1.5
98-82-8	Isopropylbenzene	ND		2.5	1.5
179601-23-1	m-Xylene & p-Xylene	ND		5.0	3.5
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.5
75-09-2	Methylene Chloride	ND		10	9.8
104-51-8	n-Butylbenzene	ND		2.5	1.2
103-65-1	N-Propylbenzene	ND	*	2.5	1.7
91-20-3	Naphthalene	ND		25	2.3
95-47-6	o-Xylene	ND		2.5	1.3
135-98-8	sec-Butylbenzene	ND		2.5	1.4
100-42-5	Styrene	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.4
127-18-4	Tetrachloroethene	ND		2.5	1.8
109-99-9	Tetrahydrofuran	ND		50	12
108-88-3	Toluene	ND		2.5	1.8
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.6
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	5.0	2.1
79-01-6	Trichloroethene	3.5		2.5	2.1
75-69-4	Trichlorofluoromethane	ND		5.0	1.4
75-01-4	Vinyl chloride	ND		2.5	1.7
1330-20-7	Xylenes, Total	ND		5.0	3.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SBDUP01 Lab Sample ID: 360-37832-4

Matrix: Solid Lab File ID: V55247.D

Analysis Method: 8260B Date Collected: 11/28/2011 00:00

Sample wt/vol: 5.32(g) Date Analyzed: 12/06/2011 23:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 6.4 Level: (low/med) Low

Analysis Batch No.: 84468 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		70-130
1868-53-7	Dibromofluoromethane	99		70-130
2037-26-5	Toluene-d8 (Surr)	92		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55247.D
Lims ID: 360-37832-D-4-A
Client ID: BC-SO-SBDUP01
Inject. Date: 06-Dec-2011 23:13:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37832-D-4
Misc. Info.: 8260LL =8260LL
Operator: BW
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 15
Lims Batch ID: 84468
Lims Sample ID: 15
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m
Last Update: 07-Dec-2011 16:51:25
Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE
ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb
Date: 08-Dec-2011 08:28:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.754					
2 Chloromethane	50		1.889					
3 Vinyl chloride	62		1.990					
4 Bromomethane	94		2.310					
5 Chloroethane	64		2.420					
6 Trichlorofluoromethane	101		2.504					
7 Dichlorofluoromethane	67	2.573	2.614	-0.041	1	206	0	
8 Ethyl ether	59		2.791					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.984					
9 1,1-Dichloroethene	96		2.984					
11 Ethanol	45	3.028	3.010	0.018	24	702	0	
10 Carbon disulfide	76		3.018					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.077					
14 Acrolein	56		3.296					
15 Isopropyl alcohol	45	3.474	3.456	0.018	72	7401	0	
16 Methylene Chloride	84	3.517	3.515	0.002	98	18489	1.12	
17 Acetone	43		3.557					
18 trans-1,2-Dichloroethene	61		3.659					
19 Methyl acetate	43		3.667					
20 Hexane	57	3.727	3.726	0.001	70	1132	0	
21 Methyl tert-butyl ether	73		3.751					
22 2-Methyl-2-propanol	59	3.862	3.827	0.035	1	326	0	
23 Isopropyl ether	45		4.080					
24 1,1-Dichloroethane	63		4.198					
125 Halothane	117		4.232					
25 Acrylonitrile	53		4.240					
26 Tert-butyl ethyl ether	59		4.392					
27 Vinyl acetate	43		4.400					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.653					
29 2,2-Dichloropropane	77		4.754					
31 Chlorobromomethane	130		4.830					
30 Cyclohexane	56		4.830					
32 Chloroform	83		4.880					
34 Ethyl acetate	43	4.974	4.973	0.001	72	3763	0	
36 sec-Butyl Alcohol	45		5.007					
33 Carbon tetrachloride	117		5.007					
35 Tetrahydrofuran	42		5.015					
$ 37 Dibromofluoromethane	113	5.033	5.032	0.001	69	148404	19.7	
38 1,1,1-Trichloroethane	97		5.066					
39 2-Butanone (MEK)	43		5.142					
40 1,1-Dichloropropene	75		5.167					
41 n-Heptane	43		5.327					
42 Benzene	78		5.369					
43 Tert-amyl methyl ether	73		5.454					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.480	5.479	0.001	0	27202	20.0	
45 1,2-Dichloroethane	62		5.538					
* 46 Fluorobenzene	96	5.699	5.698	0.001	98	624532	20.0	
48 Isopropyl acetate	43		5.715					
47 2,4,4-Trimethyl-1-pentene	55	5.699	5.723	-0.024	23	654	0	
50 Trichloroethene	95	5.834	5.833	0.001	82	7035	0.7024	
49 Methylcyclohexane	83		5.833					
51 2,4,4-Trimethyl-2-pentene	112		5.858					
52 Dibromomethane	93		6.170					
53 1,2-Dichloropropane	63		6.254					
54 Dichlorobromomethane	83		6.296					
55 Methyl methacrylate	69		6.406					
56 1,4-Dioxane	88		6.456					
57 n-Propyl acetate	43	6.508	6.507	0.001	64	1092	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.785					
$ 60 Toluene-d8 (Surr)	98	6.929	6.928	0.001	84	556278	18.3	
61 Toluene	92		6.970					
63 4-Methyl-2-pentanone (MIBK)	43		7.248					
62 Tetrachloroethene	166		7.265					
64 trans-1,3-Dichloropropene	75		7.282					
65 Isobutyl acetate	43	7.325	7.333	-0.008	15	506	0	
66 1,1,2-Trichloroethane	83		7.409					
67 Chlorodibromomethane	129		7.543					
68 1,3-Dichloropropane	76		7.619					
69 Ethylene Dibromide	107		7.737					
70 n-Butyl acetate	43	7.806	7.796	0.010	60	1449	0	
71 2-Hexanone	43		7.889					
* 72 Chlorobenzene-d5	117	8.126	8.125	0.001	88	392394	20.0	
73 Chlorobenzene	112		8.133					
74 Ethylbenzene	91		8.150					
75 1,1,1,2-Tetrachloroethane	131		8.184					
76 m-Xylene & p-Xylene	91		8.260					
77 o-Xylene	91		8.588					
78 Styrene	104		8.630					
79 Bromoform	173		8.664					

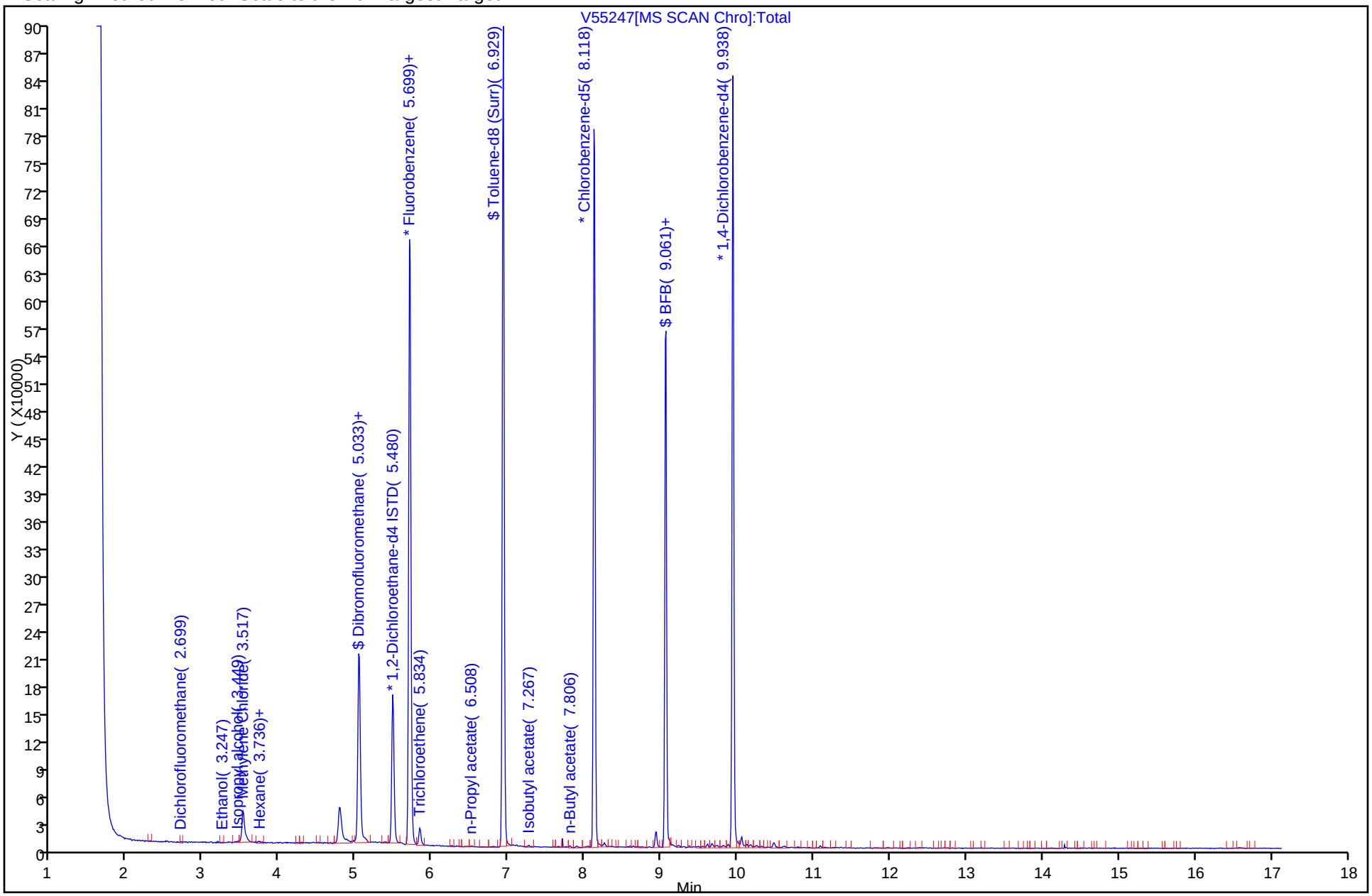
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.833					
$ 82 4-Bromofluorobenzene	95	9.053	9.060	-0.007	76	217989	20.1	
83 Bromobenzene	77		9.144					
84 N-Propylbenzene	91		9.153					
85 1,1,2,2-Tetrachloroethane	83		9.203					
86 2-Chlorotoluene	91		9.279					
87 1,3,5-Trimethylbenzene	105		9.296					
88 1,2,3-Trichloropropane	110		9.321					
89 trans-1,4-Dichloro-2-butene	53		9.338					
90 4-Chlorotoluene	91		9.414					
91 tert-Butylbenzene	119		9.557					
92 1,2,4-Trimethylbenzene	105		9.608					
93 sec-Butylbenzene	105		9.692					
94 4-Isopropyltoluene	119		9.802					
95 1,3-Dichlorobenzene	146		9.878					
* 96 1,4-Dichlorobenzene-d4	115	9.938	9.937	0.001	98	124380	20.0	
97 1,4-Dichlorobenzene	146		9.953					
98 n-Butylbenzene	91		10.156					
99 1,2-Dichlorobenzene	146		10.324					
100 1,2-Dibromo-3-Chloropropane	157		11.125					
101 1,3,5-Trichlorobenzene	180		11.158					
102 Hexachlorobutadiene	225		11.925					
103 1,2,4-Trichlorobenzene	180		11.976					
104 Naphthalene	128		12.456					
105 1,2,3-Trichlorobenzene	180		12.760					

Report Date: 08-Dec-2011 08:38:58 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55247.D

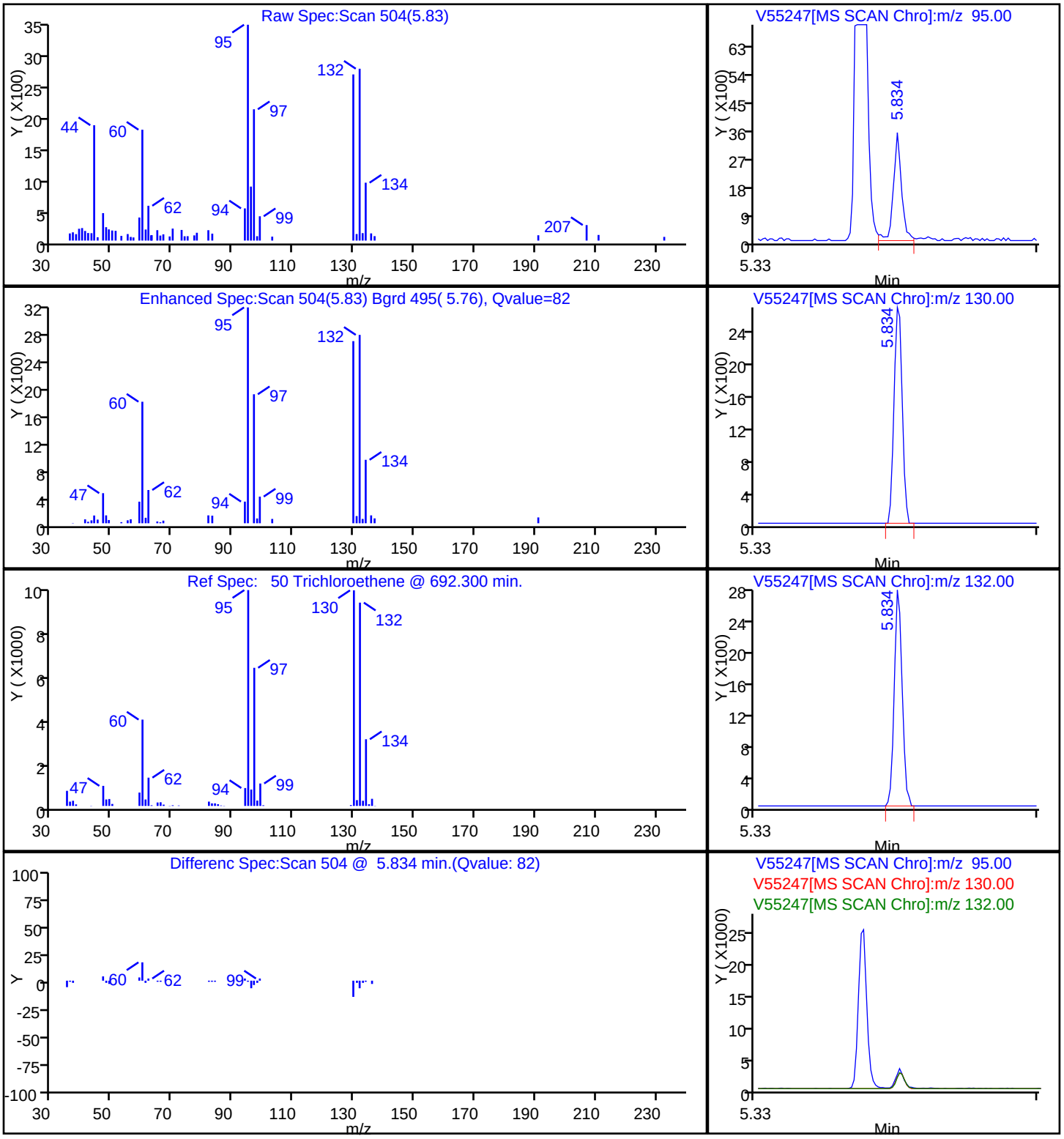
Injection Date:	06-Dec-2011 23:13:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:	BC-SO-SBDUP01	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	84468	Lims Sample ID:	15
Operator ID:	BW		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Dec-2011 08:38:58 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55247.D
Injection Date: 06-Dec-2011 23:13:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SBDUP01 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 15
Operator ID: BW

50 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB131-1012 | Lab Sample ID: 360-37832-5

Matrix: Solid | Lab File ID: V55248.D

Analysis Method: 8260B | Date Collected: 11/28/2011 14:05

Sample wt/vol: 6.81(g) | Date Analyzed: 12/06/2011 23:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 9.0 | Level: (low/med) Low

Analysis Batch No.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.0	0.97
71-55-6	1,1,1-Trichloroethane	2.2		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	1.2
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.81
75-34-3	1,1-Dichloroethane	ND		2.0	1.5
75-35-4	1,1-Dichloroethene	ND		2.0	1.3
563-58-6	1,1-Dichloropropene	ND		2.0	1.2
87-61-6	1,2,3-Trichlorobenzene	ND		2.0	0.89
96-18-4	1,2,3-Trichloropropane	ND		2.0	0.97
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.81
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	2.3
95-50-1	1,2-Dichlorobenzene	ND		2.0	0.81
107-06-2	1,2-Dichloroethane	ND		2.0	0.81
78-87-5	1,2-Dichloropropane	ND		2.0	1.3
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	1.2
541-73-1	1,3-Dichlorobenzene	ND		2.0	0.81
142-28-9	1,3-Dichloropropane	ND		2.0	0.92
106-46-7	1,4-Dichlorobenzene	ND		2.0	0.81
594-20-7	2,2-Dichloropropane	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	8.7
95-49-8	2-Chlorotoluene	ND		2.0	1.0
591-78-6	2-Hexanone	ND		20	11
106-43-4	4-Chlorotoluene	ND		2.0	0.97
99-87-6	4-Isopropyltoluene	ND		2.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	20	8.2
67-64-1	Acetone	ND		200	81
107-13-1	Acrylonitrile	ND		20	1.9
71-43-2	Benzene	ND		2.0	1.3
108-86-1	Bromobenzene	ND		2.0	0.81
75-25-2	Bromoform	ND		2.0	1.3
74-83-9	Bromomethane	ND		4.0	1.9
75-15-0	Carbon disulfide	ND		2.0	1.5
56-23-5	Carbon tetrachloride	ND		2.0	1.4
108-90-7	Chlorobenzene	ND		2.0	0.97

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB131-1012 | Lab Sample ID: 360-37832-5

Matrix: Solid | Lab File ID: V55248.D

Analysis Method: 8260B | Date Collected: 11/28/2011 14:05

Sample wt/vol: 6.81(g) | Date Analyzed: 12/06/2011 23:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 9.0 | Level: (low/med) Low

Analysis Batch No.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.0	0.97
75-00-3	Chloroethane	ND		4.0	1.6
67-66-3	Chloroform	ND		2.0	1.2
74-87-3	Chloromethane	ND		4.0	1.3
156-59-2	cis-1,2-Dichloroethene	ND		2.0	0.95
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.81
74-95-3	Dibromomethane	ND		2.0	1.0
75-27-4	Dichlorobromomethane	ND		2.0	1.0
75-71-8	Dichlorodifluoromethane	ND		4.0	1.7
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	Ethylene Dibromide	ND		2.0	0.90
87-68-3	Hexachlorobutadiene	ND		2.0	1.2
98-82-8	Isopropylbenzene	ND		2.0	1.2
179601-23-1	m-Xylene & p-Xylene	ND		4.0	2.8
1634-04-4	Methyl tert-butyl ether	ND		2.0	1.2
75-09-2	Methylene Chloride	ND		8.1	7.9
104-51-8	n-Butylbenzene	ND		2.0	0.97
103-65-1	N-Propylbenzene	ND	*	2.0	1.4
91-20-3	Naphthalene	ND		20	1.9
95-47-6	o-Xylene	ND		2.0	1.0
135-98-8	sec-Butylbenzene	ND		2.0	1.1
100-42-5	Styrene	ND		2.0	0.81
98-06-6	tert-Butylbenzene	ND		2.0	1.1
127-18-4	Tetrachloroethene	4.0		2.0	1.5
109-99-9	Tetrahydrofuran	ND		40	10
108-88-3	Toluene	ND		2.0	1.5
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.3
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.84
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	4.0	1.7
79-01-6	Trichloroethene	10		2.0	1.7
75-69-4	Trichlorofluoromethane	ND		4.0	1.1
75-01-4	Vinyl chloride	ND		2.0	1.4
1330-20-7	Xylenes, Total	ND		4.0	2.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB131-1012 Lab Sample ID: 360-37832-5

Matrix: Solid Lab File ID: V55248.D

Analysis Method: 8260B Date Collected: 11/28/2011 14:05

Sample wt/vol: 6.81(g) Date Analyzed: 12/06/2011 23:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 9.0 Level: (low/med) Low

Analysis Batch No.: 84468 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		70-130
1868-53-7	Dibromofluoromethane	99		70-130
2037-26-5	Toluene-d8 (Surr)	92		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55248.D
Lims ID: 360-37832-D-5-A
Client ID: BC-SO-SB131-1012
Inject. Date: 06-Dec-2011 23:38:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37832-D-5
Misc. Info.: 8260LL =8260LL
Operator: BW
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 16
Lims Batch ID: 84468
Lims Sample ID: 16
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m
Last Update: 07-Dec-2011 16:51:25
Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE
ID Type: RT Order ID
Process Host: CORPRDS01

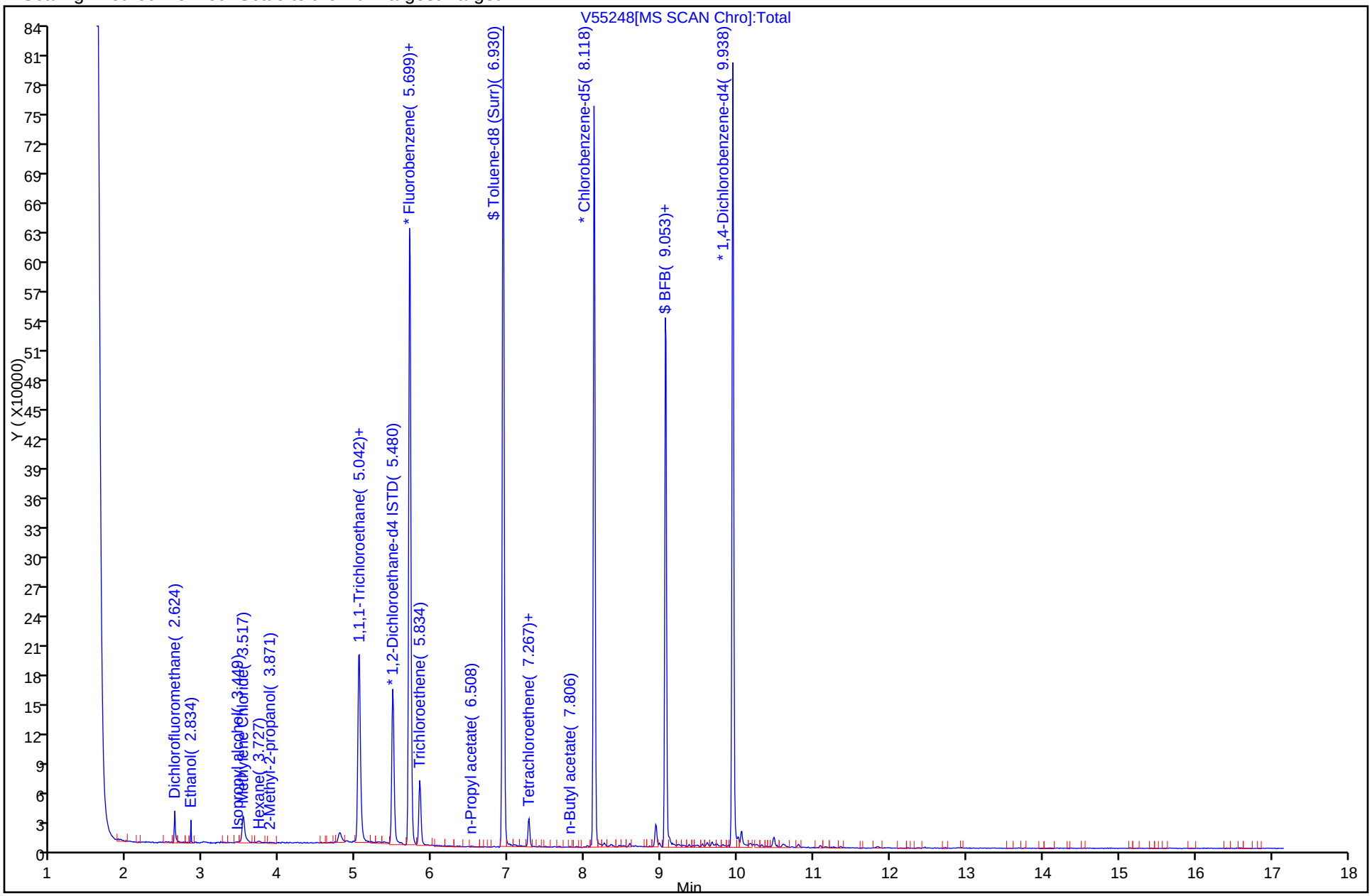
First Level Reviewer: weigelb
Date: 08-Dec-2011 08:29:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.754					
2 Chloromethane	50		1.889					
3 Vinyl chloride	62		1.990					
4 Bromomethane	94		2.310					
5 Chloroethane	64		2.420					
6 Trichlorofluoromethane	101		2.504					
7 Dichlorofluoromethane	67	2.624	2.614	0.010	1	59	0	
8 Ethyl ether	59		2.791					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.984					
9 1,1-Dichloroethene	96		2.984					
11 Ethanol	45	3.011	3.010	0.001	58	213	0	
10 Carbon disulfide	76		3.018					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.077					
14 Acrolein	56		3.296					
15 Isopropyl alcohol	45	3.483	3.456	0.027	79	6085	0	
16 Methylene Chloride	84	3.525	3.515	0.010	97	14657	0.8344	
17 Acetone	43		3.557					
18 trans-1,2-Dichloroethene	61		3.659					
19 Methyl acetate	43		3.667					
20 Hexane	57	3.727	3.726	0.001	67	1044	0	
21 Methyl tert-butyl ether	73		3.751					
22 2-Methyl-2-propanol	59	3.871	3.827	0.044	1	651	0	
23 Isopropyl ether	45		4.080					
24 1,1-Dichloroethane	63		4.198					
125 Halothane	117		4.232					
25 Acrylonitrile	53		4.240					
26 Tert-butyl ethyl ether	59		4.392					
27 Vinyl acetate	43		4.400					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.653					
29 2,2-Dichloropropane	77		4.754					
31 Chlorobromomethane	130		4.830					
30 Cyclohexane	56		4.830					
32 Chloroform	83		4.880					
34 Ethyl acetate	43	4.975	4.973	0.002	82	2450	0	
36 sec-Butyl Alcohol	45		5.007					
33 Carbon tetrachloride	117		5.007					
35 Tetrahydrofuran	42		5.015					
$ 37 Dibromofluoromethane	113	5.034	5.032	0.002	68	138959	19.7	
38 1,1,1-Trichloroethane	97	5.067	5.066	0.001	38	7130	0.5453	
39 2-Butanone (MEK)	43		5.142					
40 1,1-Dichloropropene	75		5.167					
41 n-Heptane	43		5.327					
42 Benzene	78		5.369					
43 Tert-amyl methyl ether	73		5.454					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.480	5.479	0.001	0	24914	20.0	
45 1,2-Dichloroethane	62		5.538					
* 46 Fluorobenzene	96	5.699	5.698	0.001	97	586013	20.0	
48 Isopropyl acetate	43		5.715					
47 2,4,4-Trimethyl-1-pentene	55	5.699	5.723	-0.024	27	1608	0	
50 Trichloroethene	95	5.834	5.833	0.001	86	23756	2.53	
49 Methylcyclohexane	83		5.833					
51 2,4,4-Trimethyl-2-pentene	112		5.858					
52 Dibromomethane	93		6.170					
53 1,2-Dichloropropane	63		6.254					
54 Dichlorobromomethane	83		6.296					
55 Methyl methacrylate	69		6.406					
56 1,4-Dioxane	88		6.456					
57 n-Propyl acetate	43	6.508	6.507	0.001	83	1451	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.785					
$ 60 Toluene-d8 (Surr)	98	6.930	6.928	0.002	84	522910	18.4	
61 Toluene	92		6.970					
63 4-Methyl-2-pentanone (MIBK)	43		7.248					
62 Tetrachloroethene	166	7.267	7.265	0.002	86	7861	1.00	
64 trans-1,3-Dichloropropene	75		7.282					
65 Isobutyl acetate	43	7.326	7.333	-0.007	19	258	0	
66 1,1,2-Trichloroethane	83		7.409					
67 Chlorodibromomethane	129		7.543					
68 1,3-Dichloropropane	76		7.619					
69 Ethylene Dibromide	107		7.737					
70 n-Butyl acetate	43	7.806	7.796	0.010	58	773	0	
71 2-Hexanone	43		7.889					
* 72 Chlorobenzene-d5	117	8.118	8.125	-0.007	89	371152	20.0	
73 Chlorobenzene	112		8.133					
74 Ethylbenzene	91		8.150					
75 1,1,1,2-Tetrachloroethane	131		8.184					
76 m-Xylene & p-Xylene	91		8.260					
77 o-Xylene	91		8.588					
78 Styrene	104		8.630					
79 Bromoform	173		8.664					

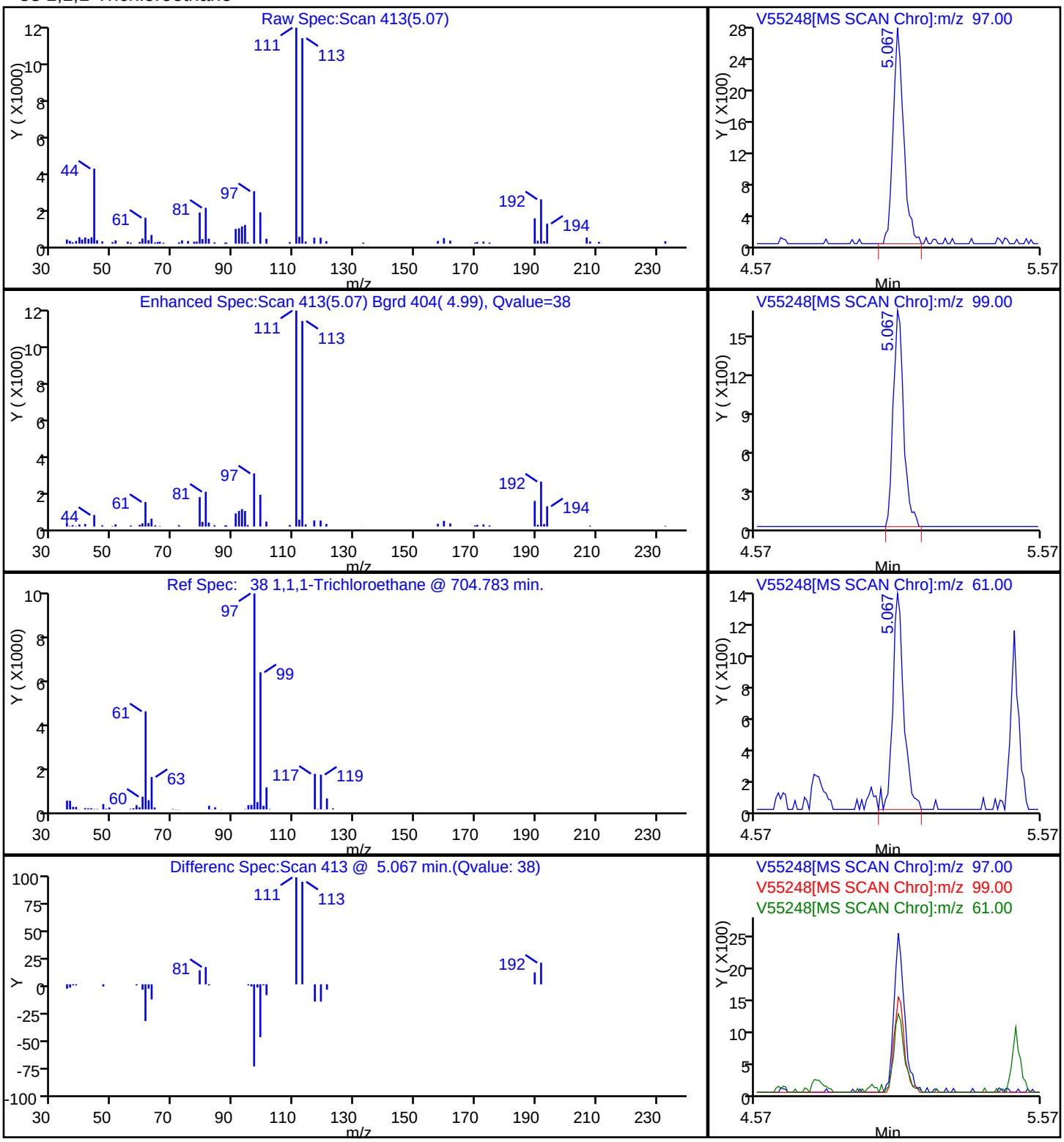
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.833					
$ 82 4-Bromofluorobenzene	95	9.053	9.060	-0.007	76	207351	20.3	
83 Bromobenzene	77		9.144					
84 N-Propylbenzene	91		9.153					
85 1,1,2,2-Tetrachloroethane	83		9.203					
86 2-Chlorotoluene	91		9.279					
87 1,3,5-Trimethylbenzene	105		9.296					
88 1,2,3-Trichloropropane	110		9.321					
89 trans-1,4-Dichloro-2-butene	53		9.338					
90 4-Chlorotoluene	91		9.414					
91 tert-Butylbenzene	119		9.557					
92 1,2,4-Trimethylbenzene	105		9.608					
93 sec-Butylbenzene	105		9.692					
94 4-Isopropyltoluene	119		9.802					
95 1,3-Dichlorobenzene	146		9.878					
* 96 1,4-Dichlorobenzene-d4	115	9.938	9.937	0.001	98	117703	20.0	
97 1,4-Dichlorobenzene	146		9.953					
98 n-Butylbenzene	91		10.156					
99 1,2-Dichlorobenzene	146		10.324					
100 1,2-Dibromo-3-Chloropropane	157		11.125					
101 1,3,5-Trichlorobenzene	180		11.158					
102 Hexachlorobutadiene	225		11.925					
103 1,2,4-Trichlorobenzene	180		11.976					
104 Naphthalene	128		12.456					
105 1,2,3-Trichlorobenzene	180		12.760					

Report Date: 08-Dec-2011 08:39:10 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55248.D
Injection Date: 06-Dec-2011 23:38:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB131-1012 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 16
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Dec-2011 08:39:10 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55248.D
Injection Date: 06-Dec-2011 23:38:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB131-1012 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 16
Operator ID: BW

38 1,1,1-Trichloroethane



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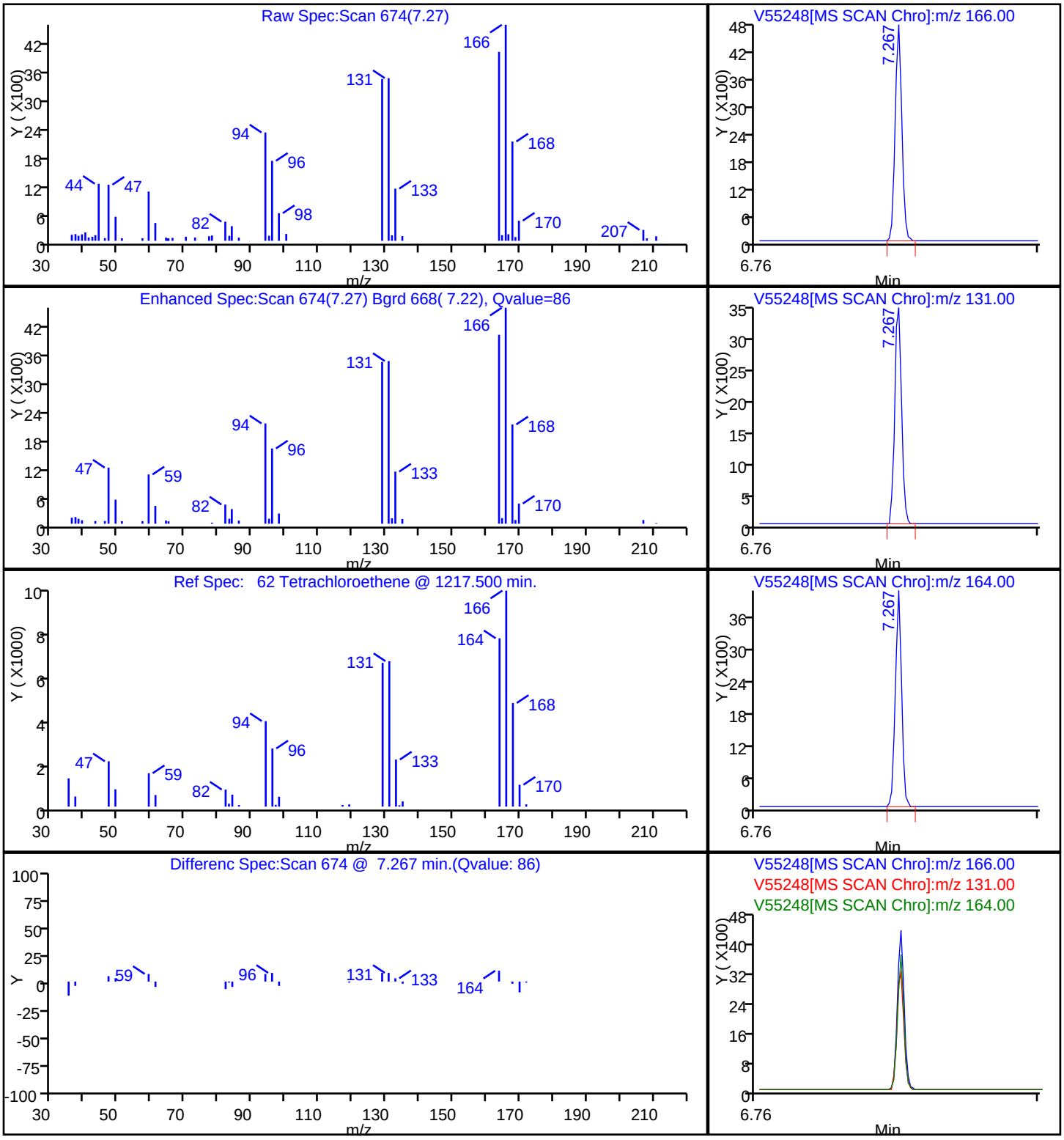
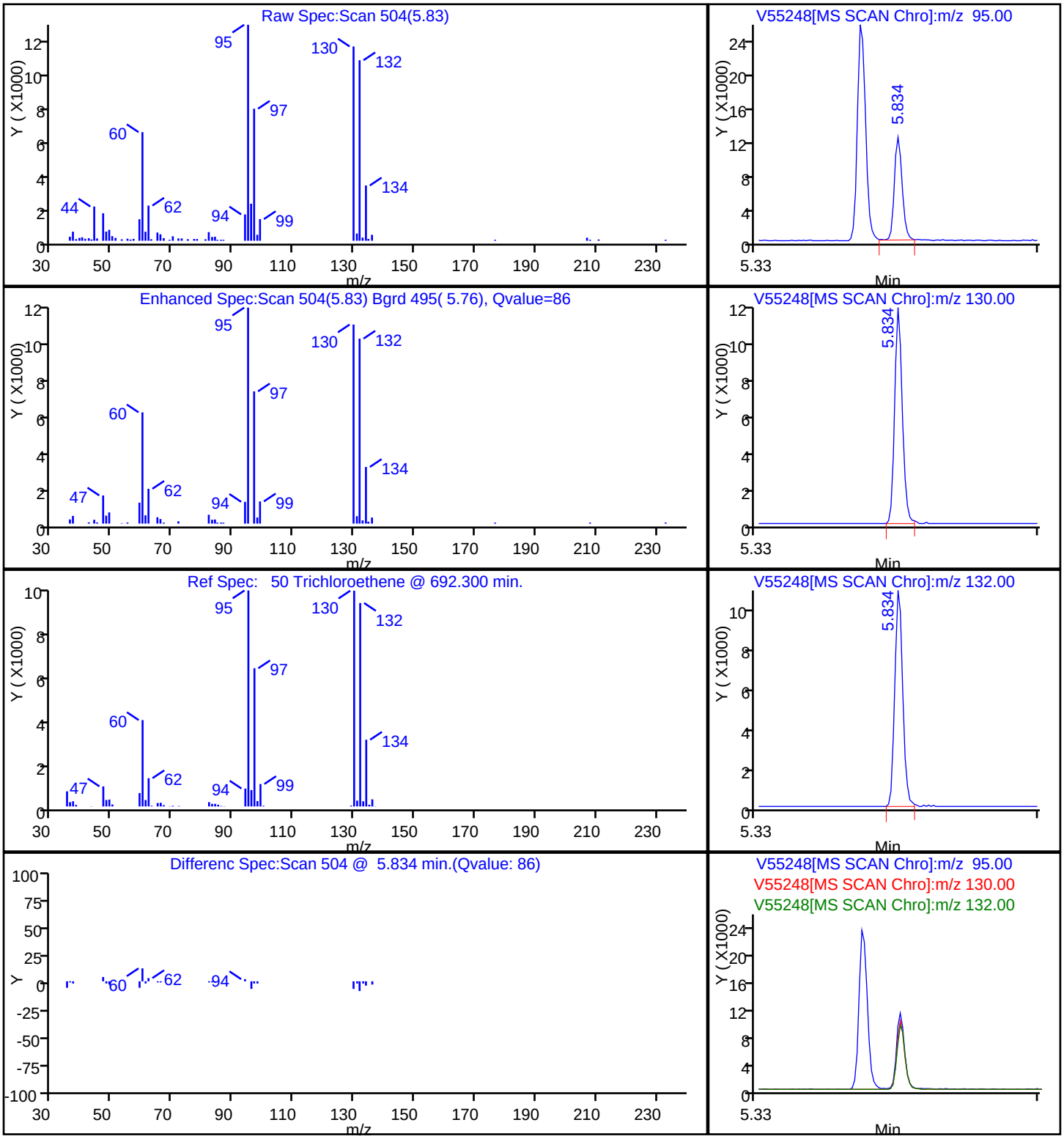
Injection Date: 06-Dec-2011 23:38:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB131-1012 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 16
Operator ID: BW
62 Tetrachloroethene



Report Date: 08-Dec-2011 08:39:10 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55248.D
Injection Date: 06-Dec-2011 23:38:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB131-1012 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 16
Operator ID: BW

50 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB128-0002 | Lab Sample ID: 360-37832-6

Matrix: Solid | Lab File ID: V55249.D

Analysis Method: 8260B | Date Collected: 11/28/2011 12:15

Sample wt/vol: 3.79(g) | Date Analyzed: 12/07/2011 00:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		3.6	1.7
71-55-6	1,1,1-Trichloroethane	ND		3.6	2.9
79-34-5	1,1,2,2-Tetrachloroethane	ND		3.6	1.4
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		18	2.1
79-00-5	1,1,2-Trichloroethane	ND		3.6	1.4
75-34-3	1,1-Dichloroethane	ND		3.6	2.7
75-35-4	1,1-Dichloroethene	ND		3.6	2.3
563-58-6	1,1-Dichloropropene	ND		3.6	2.2
87-61-6	1,2,3-Trichlorobenzene	ND		3.6	1.6
96-18-4	1,2,3-Trichloropropane	ND		3.6	1.7
120-82-1	1,2,4-Trichlorobenzene	ND		3.6	1.4
95-63-6	1,2,4-Trimethylbenzene	ND		3.6	2.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		36	4.0
95-50-1	1,2-Dichlorobenzene	ND		3.6	1.4
107-06-2	1,2-Dichloroethane	ND		3.6	1.4
78-87-5	1,2-Dichloropropane	ND		3.6	2.3
108-67-8	1,3,5-Trimethylbenzene	ND		3.6	2.2
541-73-1	1,3-Dichlorobenzene	ND		3.6	1.4
142-28-9	1,3-Dichloropropane	ND		3.6	1.6
106-46-7	1,4-Dichlorobenzene	ND		3.6	1.4
594-20-7	2,2-Dichloropropane	ND		3.6	3.0
78-93-3	2-Butanone (MEK)	ND		36	16
95-49-8	2-Chlorotoluene	ND		3.6	1.9
591-78-6	2-Hexanone	ND		36	20
106-43-4	4-Chlorotoluene	ND		3.6	1.7
99-87-6	4-Isopropyltoluene	ND		3.6	2.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	36	15
67-64-1	Acetone	ND		360	140
107-13-1	Acrylonitrile	ND		36	3.4
71-43-2	Benzene	ND		3.6	2.3
108-86-1	Bromobenzene	ND		3.6	1.4
75-25-2	Bromoform	ND		3.6	2.3
74-83-9	Bromomethane	ND		7.2	3.3
75-15-0	Carbon disulfide	ND		3.6	2.7
56-23-5	Carbon tetrachloride	ND		3.6	2.4
108-90-7	Chlorobenzene	ND		3.6	1.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB128-0002 Lab Sample ID: 360-37832-6

Matrix: Solid Lab File ID: V55249.D

Analysis Method: 8260B Date Collected: 11/28/2011 12:15

Sample wt/vol: 3.79(g) Date Analyzed: 12/07/2011 00:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.2 Level: (low/med) Low

Analysis Batch No.: 84468 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		3.6	1.7
75-00-3	Chloroethane	ND		7.2	2.9
67-66-3	Chloroform	ND		3.6	2.2
74-87-3	Chloromethane	ND		7.2	2.3
156-59-2	cis-1,2-Dichloroethene	ND		3.6	1.7
10061-01-5	cis-1,3-Dichloropropene	ND		3.6	1.4
74-95-3	Dibromomethane	ND		3.6	1.8
75-27-4	Dichlorobromomethane	ND		3.6	1.8
75-71-8	Dichlorodifluoromethane	ND		7.2	3.0
100-41-4	Ethylbenzene	ND		3.6	2.6
106-93-4	Ethylene Dibromide	ND		3.6	1.6
87-68-3	Hexachlorobutadiene	ND		3.6	2.2
98-82-8	Isopropylbenzene	ND		3.6	2.2
179601-23-1	m-Xylene & p-Xylene	ND		7.2	5.0
1634-04-4	Methyl tert-butyl ether	ND		3.6	2.2
75-09-2	Methylene Chloride	ND		14	14
104-51-8	n-Butylbenzene	ND		3.6	1.7
103-65-1	N-Propylbenzene	ND	*	3.6	2.4
91-20-3	Naphthalene	ND		36	3.3
95-47-6	o-Xylene	ND		3.6	1.9
135-98-8	sec-Butylbenzene	ND		3.6	2.0
100-42-5	Styrene	ND		3.6	1.4
98-06-6	tert-Butylbenzene	ND		3.6	2.0
127-18-4	Tetrachloroethene	6.9		3.6	2.6
109-99-9	Tetrahydrofuran	ND		72	18
108-88-3	Toluene	ND		3.6	2.6
156-60-5	trans-1,2-Dichloroethene	ND		3.6	2.3
10061-02-6	trans-1,3-Dichloropropene	ND		3.6	1.5
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	7.2	3.0
79-01-6	Trichloroethene	74		3.6	3.0
75-69-4	Trichlorofluoromethane	ND		7.2	2.0
75-01-4	Vinyl chloride	ND		3.6	2.4
1330-20-7	Xylenes, Total	ND		7.2	5.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB128-0002 Lab Sample ID: 360-37832-6

Matrix: Solid Lab File ID: V55249.D

Analysis Method: 8260B Date Collected: 11/28/2011 12:15

Sample wt/vol: 3.79(g) Date Analyzed: 12/07/2011 00:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 8.2 Level: (low/med) Low

Analysis Batch No.: 84468 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	99		70-130
1868-53-7	Dibromofluoromethane	100		70-130
2037-26-5	Toluene-d8 (Surr)	90		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

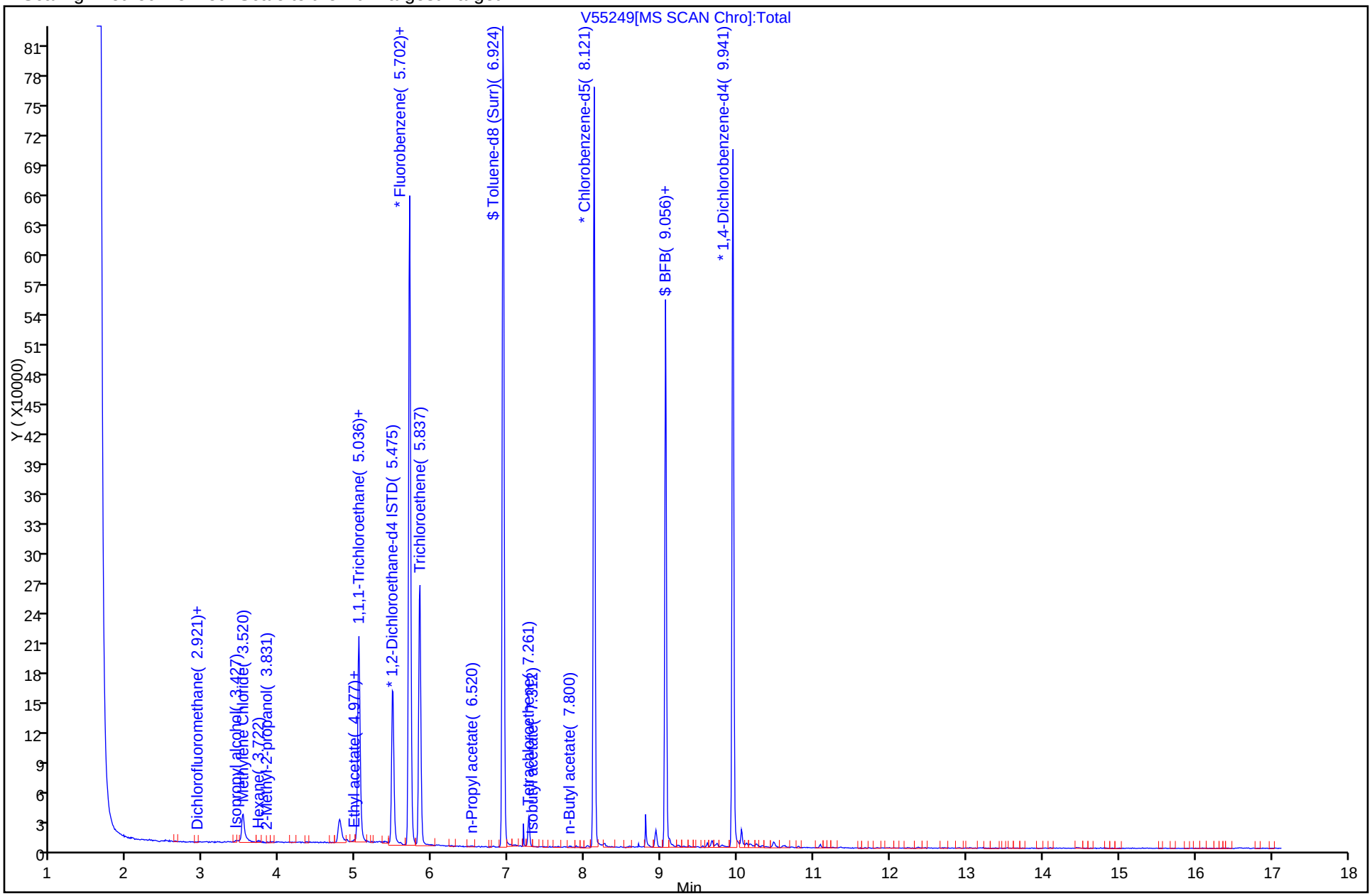
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55249.D		
Lims ID:	360-37832-D-6-A	Client ID:	BC-SO-SB128-0002
Inject. Date:	07-Dec-2011 00:04:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-D-6		
Misc. Info.:	8260LL =8260LL		
Operator:	BW	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	84468	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m		
Last Update:	07-Dec-2011 16:51:25	Calib Date:	28-Nov-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		
First Level Reviewer: weigelb		Date:	08-Dec-2011 08:30:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.754					
2 Chloromethane	50		1.889					
3 Vinyl chloride	62		1.990					
4 Bromomethane	94		2.310					
5 Chloroethane	64		2.420					
6 Trichlorofluoromethane	101		2.504					
7 Dichlorofluoromethane	67	2.837	2.614	0.223	1	457	0	
8 Ethyl ether	59		2.791					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.984					
9 1,1-Dichloroethene	96		2.984					
11 Ethanol	45	2.997	3.010	-0.013	1	539	0	
10 Carbon disulfide	76		3.018					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.077					
14 Acrolein	56		3.296					
15 Isopropyl alcohol	45	3.469	3.456	0.013	80	8725	0	
16 Methylene Chloride	84	3.520	3.515	0.005	94	15678	0.9319	
17 Acetone	43		3.557					
18 trans-1,2-Dichloroethene	61		3.659					
19 Methyl acetate	43		3.667					
20 Hexane	57	3.730	3.726	0.004	42	916	0	
21 Methyl tert-butyl ether	73		3.751					
22 2-Methyl-2-propanol	59	3.848	3.827	0.021	1	223	0	
23 Isopropyl ether	45		4.080					
24 1,1-Dichloroethane	63		4.198					
125 Halothane	117		4.232					
25 Acrylonitrile	53		4.240					
26 Tert-butyl ethyl ether	59		4.392					
27 Vinyl acetate	43		4.400					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.653					
29 2,2-Dichloropropane	77		4.754					
31 Chlorobromomethane	130		4.830					
30 Cyclohexane	56		4.830					
32 Chloroform	83		4.880					
34 Ethyl acetate	43	4.977	4.973	0.004	77	3827	0	
36 sec-Butyl Alcohol	45	4.969	5.007	-0.038	1	536	0	
33 Carbon tetrachloride	117		5.007					
35 Tetrahydrofuran	42		5.015					
$ 37 Dibromofluoromethane	113	5.036	5.032	0.004	70	142485	20.0	
38 1,1,1-Trichloroethane	97	5.062	5.066	-0.004	27	3937	0.2992	
39 2-Butanone (MEK)	43		5.142					
40 1,1-Dichloropropene	75		5.167					
41 n-Heptane	43		5.327					
42 Benzene	78		5.369					
43 Tert-amyl methyl ether	73		5.454					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.483	5.479	0.004	0	24622	20.0	
45 1,2-Dichloroethane	62		5.538					
* 46 Fluorobenzene	96	5.702	5.698	0.004	98	589684	20.0	
48 Isopropyl acetate	43		5.715					
47 2,4,4-Trimethyl-1-pentene	55	5.694	5.723	-0.029	27	947	0	
50 Trichloroethene	95	5.829	5.833	-0.004	87	97135	10.3	
49 Methylcyclohexane	83		5.833					
51 2,4,4-Trimethyl-2-pentene	112		5.858					
52 Dibromomethane	93		6.170					
53 1,2-Dichloropropane	63		6.254					
54 Dichlorobromomethane	83		6.296					
55 Methyl methacrylate	69		6.406					
56 1,4-Dioxane	88		6.456					
57 n-Propyl acetate	43	6.511	6.507	0.004	81	1800	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.785					
$ 60 Toluene-d8 (Surr)	98	6.924	6.928	-0.004	84	517717	18.1	
61 Toluene	92		6.970					
63 4-Methyl-2-pentanone (MIBK)	43		7.248					
62 Tetrachloroethene	166	7.261	7.265	-0.004	82	7660	0.9655	
64 trans-1,3-Dichloropropene	75		7.282					
65 Isobutyl acetate	43	7.354	7.333	0.021	1	282	0	
66 1,1,2-Trichloroethane	83		7.409					
67 Chlorodibromomethane	129		7.543					
68 1,3-Dichloropropane	76		7.619					
69 Ethylene Dibromide	107		7.737					
70 n-Butyl acetate	43	7.800	7.796	0.004	77	1408	0	
71 2-Hexanone	43		7.889					
* 72 Chlorobenzene-d5	117	8.121	8.125	-0.004	88	359415	20.0	
73 Chlorobenzene	112		8.133					
74 Ethylbenzene	91		8.150					
75 1,1,1,2-Tetrachloroethane	131		8.184					
76 m-Xylene & p-Xylene	91		8.260					
77 o-Xylene	91		8.588					
78 Styrene	104		8.630					
79 Bromoform	173		8.664					

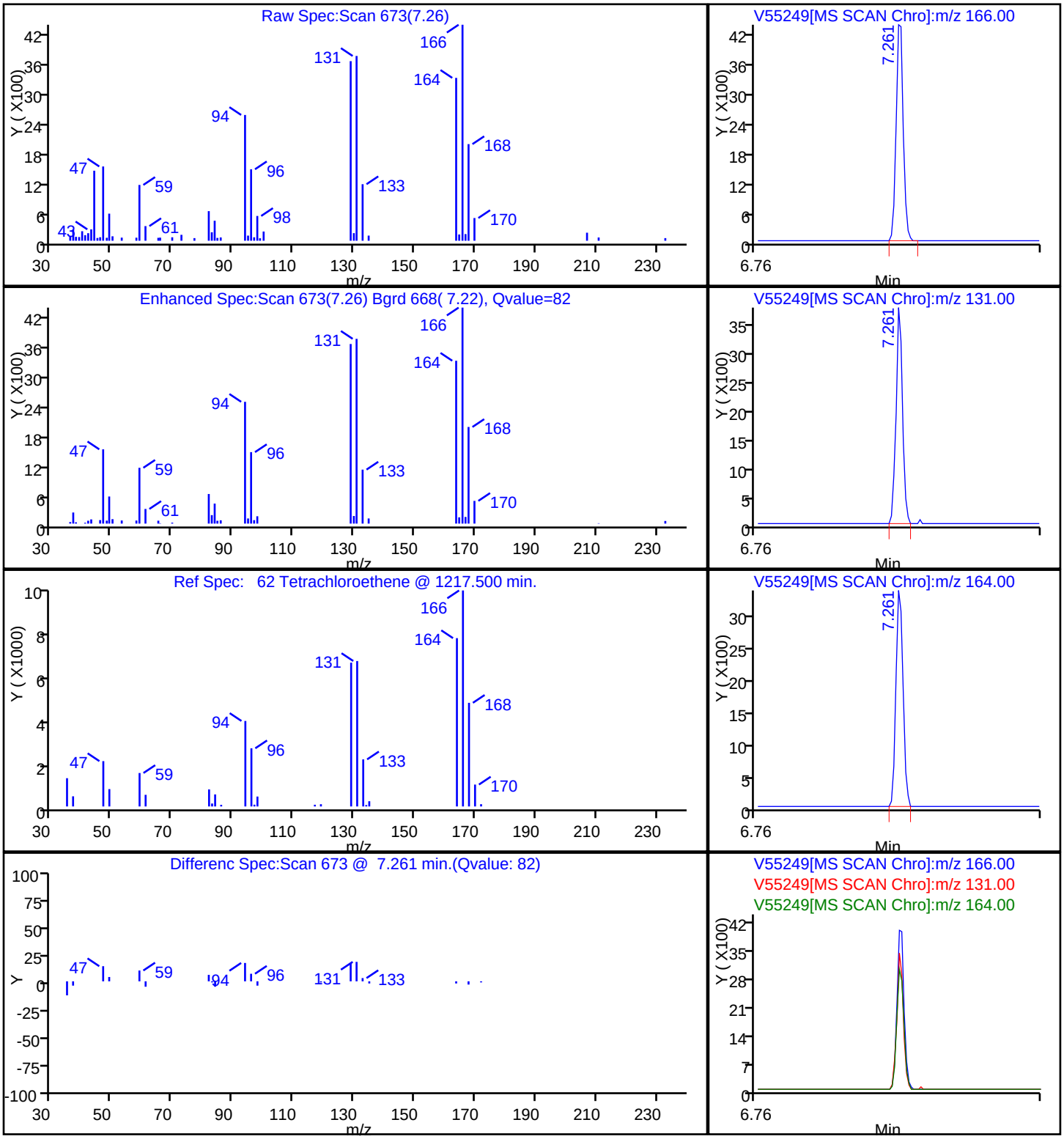
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.833					
$ 82 4-Bromofluorobenzene	95	9.056	9.060	-0.004	79	196897	19.9	
83 Bromobenzene	77		9.144					
84 N-Propylbenzene	91		9.153					
85 1,1,2,2-Tetrachloroethane	83		9.203					
86 2-Chlorotoluene	91		9.279					
87 1,3,5-Trimethylbenzene	105		9.296					
88 1,2,3-Trichloropropane	110		9.321					
89 trans-1,4-Dichloro-2-butene	53		9.338					
90 4-Chlorotoluene	91		9.414					
91 tert-Butylbenzene	119		9.557					
92 1,2,4-Trimethylbenzene	105		9.608					
93 sec-Butylbenzene	105		9.692					
94 4-Isopropyltoluene	119		9.802					
95 1,3-Dichlorobenzene	146		9.878					
* 96 1,4-Dichlorobenzene-d4	115	9.941	9.937	0.004	97	106071	20.0	
97 1,4-Dichlorobenzene	146		9.953					
98 n-Butylbenzene	91		10.156					
99 1,2-Dichlorobenzene	146		10.324					
100 1,2-Dibromo-3-Chloropropane	157		11.125					
101 1,3,5-Trichlorobenzene	180		11.158					
102 Hexachlorobutadiene	225		11.925					
103 1,2,4-Trichlorobenzene	180		11.976					
104 Naphthalene	128		12.456					
105 1,2,3-Trichlorobenzene	180		12.760					

Report Date: 08-Dec-2011 08:46:26 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55249.D
Injection Date: 07-Dec-2011 00:04:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB128-0002 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 17
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



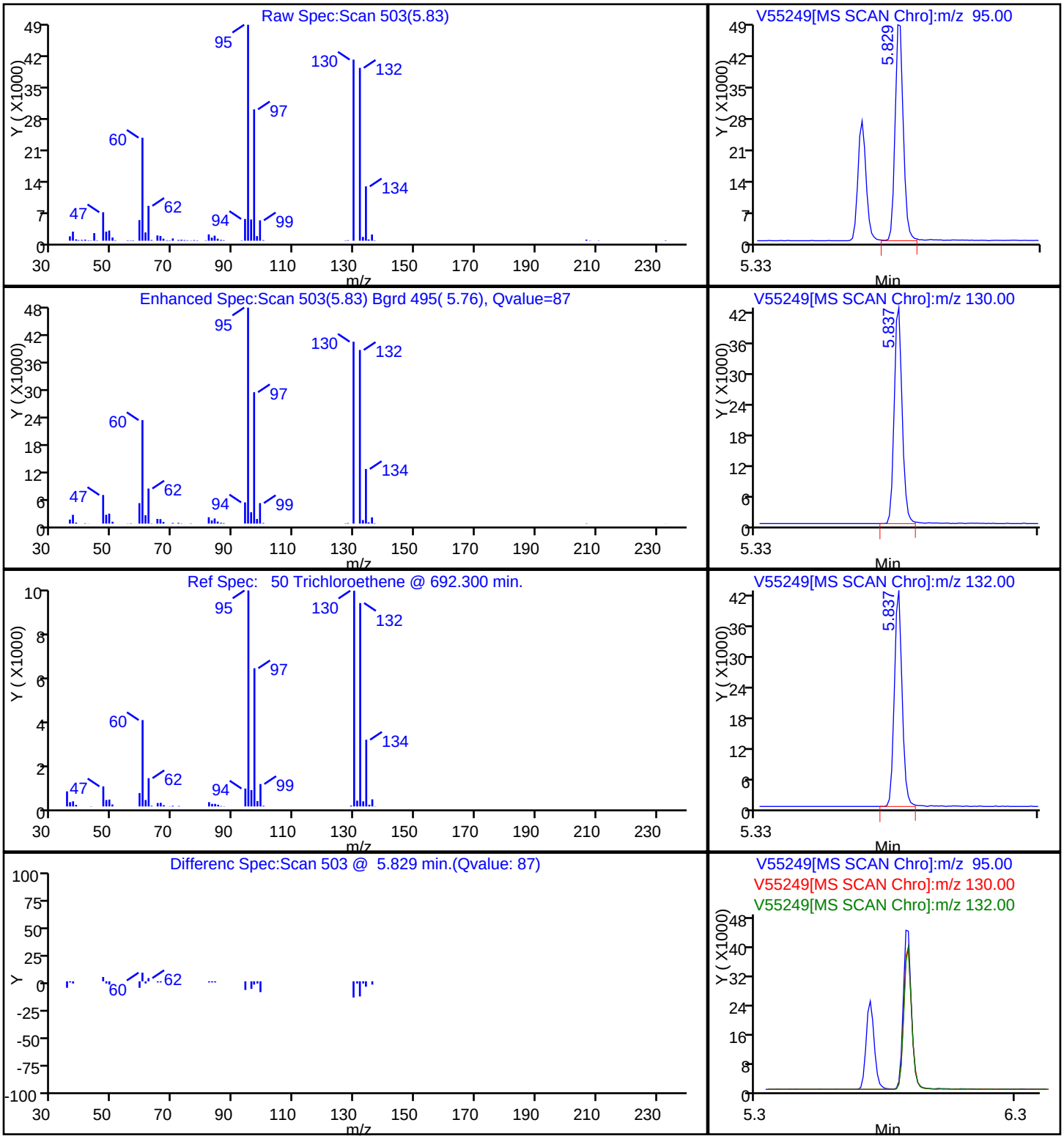
Report Date: 08-Dec-2011 08:46:26 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55249.D
Injection Date: 07-Dec-2011 00:04:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB128-0002 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 17
Operator ID: BW

62 Tetrachloroethene



Report Date: 08-Dec-2011 08:46:26 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55249.D
Injection Date: 07-Dec-2011 00:04:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB128-0002 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 17
Operator ID: BW

50 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB303-0204 | Lab Sample ID: 360-37832-7

Matrix: Solid | Lab File ID: V55250.D

Analysis Method: 8260B | Date Collected: 11/28/2011 16:00

Sample wt/vol: 5.42(g) | Date Analyzed: 12/07/2011 00:29

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.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.7	1.3
71-55-6	1,1,1-Trichloroethane	ND		2.7	2.1
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	1.5
79-00-5	1,1,2-Trichloroethane	ND		2.7	1.1
75-34-3	1,1-Dichloroethane	ND		2.7	2.0
75-35-4	1,1-Dichloroethene	ND		2.7	1.7
563-58-6	1,1-Dichloropropene	ND		2.7	1.6
87-61-6	1,2,3-Trichlorobenzene	ND		2.7	1.2
96-18-4	1,2,3-Trichloropropane	ND		2.7	1.3
120-82-1	1,2,4-Trichlorobenzene	ND		2.7	1.1
95-63-6	1,2,4-Trimethylbenzene	ND		2.7	1.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		27	3.0
95-50-1	1,2-Dichlorobenzene	ND		2.7	1.1
107-06-2	1,2-Dichloroethane	ND		2.7	1.1
78-87-5	1,2-Dichloropropane	ND		2.7	1.7
108-67-8	1,3,5-Trimethylbenzene	ND		2.7	1.6
541-73-1	1,3-Dichlorobenzene	ND		2.7	1.1
142-28-9	1,3-Dichloropropane	ND		2.7	1.2
106-46-7	1,4-Dichlorobenzene	ND		2.7	1.1
594-20-7	2,2-Dichloropropane	ND		2.7	2.2
78-93-3	2-Butanone (MEK)	ND		27	11
95-49-8	2-Chlorotoluene	ND		2.7	1.4
591-78-6	2-Hexanone	ND		27	15
106-43-4	4-Chlorotoluene	ND		2.7	1.3
99-87-6	4-Isopropyltoluene	ND		2.7	1.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	27	11
67-64-1	Acetone	ND		270	110
107-13-1	Acrylonitrile	ND		27	2.6
71-43-2	Benzene	ND		2.7	1.7
108-86-1	Bromobenzene	ND		2.7	1.1
75-25-2	Bromoform	ND		2.7	1.7
74-83-9	Bromomethane	ND		5.3	2.4
75-15-0	Carbon disulfide	ND		2.7	2.0
56-23-5	Carbon tetrachloride	ND		2.7	1.8
108-90-7	Chlorobenzene	ND		2.7	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB303-0204 | Lab Sample ID: 360-37832-7

Matrix: Solid | Lab File ID: V55250.D

Analysis Method: 8260B | Date Collected: 11/28/2011 16:00

Sample wt/vol: 5.42(g) | Date Analyzed: 12/07/2011 00:29

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.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.7	1.3
75-00-3	Chloroethane	ND		5.3	2.1
67-66-3	Chloroform	ND		2.7	1.6
74-87-3	Chloromethane	ND		5.3	1.7
156-59-2	cis-1,2-Dichloroethene	ND		2.7	1.3
10061-01-5	cis-1,3-Dichloropropene	ND		2.7	1.1
74-95-3	Dibromomethane	ND		2.7	1.3
75-27-4	Dichlorobromomethane	ND		2.7	1.4
75-71-8	Dichlorodifluoromethane	ND		5.3	2.2
100-41-4	Ethylbenzene	ND		2.7	1.9
106-93-4	Ethylene Dibromide	ND		2.7	1.2
87-68-3	Hexachlorobutadiene	ND		2.7	1.6
98-82-8	Isopropylbenzene	ND		2.7	1.6
179601-23-1	m-Xylene & p-Xylene	ND		5.3	3.7
1634-04-4	Methyl tert-butyl ether	ND		2.7	1.6
75-09-2	Methylene Chloride	ND		11	10
104-51-8	n-Butylbenzene	ND		2.7	1.3
103-65-1	N-Propylbenzene	ND	*	2.7	1.8
91-20-3	Naphthalene	ND		27	2.4
95-47-6	o-Xylene	ND		2.7	1.4
135-98-8	sec-Butylbenzene	ND		2.7	1.5
100-42-5	Styrene	ND		2.7	1.1
98-06-6	tert-Butylbenzene	ND		2.7	1.5
127-18-4	Tetrachloroethene	ND		2.7	1.9
109-99-9	Tetrahydrofuran	ND		53	13
108-88-3	Toluene	ND		2.7	1.9
156-60-5	trans-1,2-Dichloroethene	ND		2.7	1.7
10061-02-6	trans-1,3-Dichloropropene	ND		2.7	1.1
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	5.3	2.2
79-01-6	Trichloroethene	ND		2.7	2.2
75-69-4	Trichlorofluoromethane	ND		5.3	1.5
75-01-4	Vinyl chloride	ND		2.7	1.8
1330-20-7	Xylenes, Total	ND		5.3	3.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB303-0204 Lab Sample ID: 360-37832-7

Matrix: Solid Lab File ID: V55250.D

Analysis Method: 8260B Date Collected: 11/28/2011 16:00

Sample wt/vol: 5.42(g) Date Analyzed: 12/07/2011 00:29

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.: 84468 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	96		70-130
1868-53-7	Dibromofluoromethane	99		70-130
2037-26-5	Toluene-d8 (Surr)	90		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55250.D
Lims ID: 360-37832-D-7-A
Client ID: BC-SO-SB303-0204
Inject. Date: 07-Dec-2011 00:29:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37832-D-7
Misc. Info.: 8260LL =8260LL
Operator: BW
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 18
Lims Batch ID: 84468
Lims Sample ID: 18
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m
Last Update: 07-Dec-2011 16:51:25
Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE
ID Type: RT Order ID
Process Host: CORPRDS01

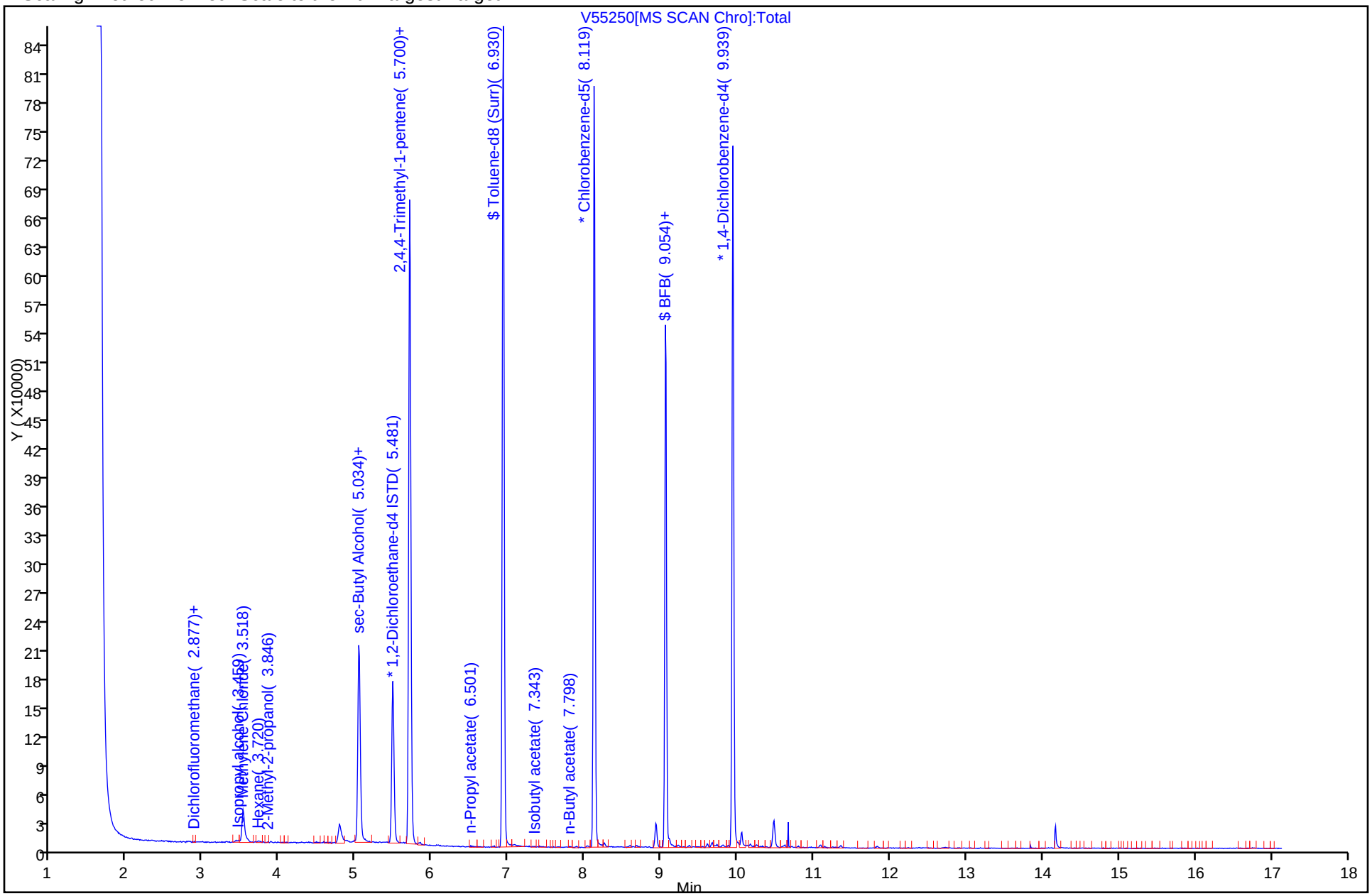
First Level Reviewer: weigelb
Date: 08-Dec-2011 08:31:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.754					
2 Chloromethane	50		1.889					
3 Vinyl chloride	62		1.990					
4 Bromomethane	94		2.310					
5 Chloroethane	64		2.420					
6 Trichlorofluoromethane	101		2.504					
7 Dichlorofluoromethane	67	2.928	2.614	0.314	1	64	0	
8 Ethyl ether	59		2.791					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.984					
9 1,1-Dichloroethene	96		2.984					
11 Ethanol	45	2.987	3.010	-0.023	16	429	0	
10 Carbon disulfide	76		3.018					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.077					
14 Acrolein	56		3.296					
15 Isopropyl alcohol	45	3.425	3.456	-0.031	87	7703	0	
16 Methylene Chloride	84	3.518	3.515	0.003	98	18028	1.08	
17 Acetone	43		3.557					
18 trans-1,2-Dichloroethene	61		3.659					
19 Methyl acetate	43		3.667					
20 Hexane	57	3.728	3.726	0.002	71	1208	0	
21 Methyl tert-butyl ether	73		3.751					
22 2-Methyl-2-propanol	59	3.914	3.827	0.087	16	70	0	
23 Isopropyl ether	45		4.080					
24 1,1-Dichloroethane	63		4.198					
125 Halothane	117		4.232					
25 Acrylonitrile	53		4.240					
26 Tert-butyl ethyl ether	59		4.392					
27 Vinyl acetate	43		4.400					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.653					
29 2,2-Dichloropropane	77		4.754					
31 Chlorobromomethane	130		4.830					
30 Cyclohexane	56		4.830					
32 Chloroform	83		4.880					
34 Ethyl acetate	43	4.975	4.973	0.002	88	2654	0	
36 sec-Butyl Alcohol	45	4.975	5.007	-0.032	1	762	0	
33 Carbon tetrachloride	117		5.007					
35 Tetrahydrofuran	42		5.015					
$ 37 Dibromofluoromethane	113	5.034	5.032	0.002	68	147899	19.7	
38 1,1,1-Trichloroethane	97		5.066					
39 2-Butanone (MEK)	43		5.142					
40 1,1-Dichloropropene	75		5.167					
41 n-Heptane	43		5.327					
42 Benzene	78		5.369					
43 Tert-amyl methyl ether	73		5.454					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.481	5.479	0.002	0	26846	20.0	
45 1,2-Dichloroethane	62		5.538					
* 46 Fluorobenzene	96	5.700	5.698	0.002	98	622685	20.0	
48 Isopropyl acetate	43		5.715					
47 2,4,4-Trimethyl-1-pentene	55	5.700	5.723	-0.023	8	1544	0	
50 Trichloroethene	95		5.833					
49 Methylcyclohexane	83		5.833					
51 2,4,4-Trimethyl-2-pentene	112		5.858					
52 Dibromomethane	93		6.170					
53 1,2-Dichloropropane	63		6.254					
54 Dichlorobromomethane	83		6.296					
55 Methyl methacrylate	69		6.406					
56 1,4-Dioxane	88		6.456					
57 n-Propyl acetate	43	6.518	6.507	0.011	76	1394	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.785					
$ 60 Toluene-d8 (Surr)	98	6.930	6.928	0.002	84	545472	18.0	
61 Toluene	92		6.970					
63 4-Methyl-2-pentanone (MIBK)	43		7.248					
62 Tetrachloroethene	166		7.265					
64 trans-1,3-Dichloropropene	75		7.282					
65 Isobutyl acetate	43	7.326	7.333	-0.007	30	575	0	
66 1,1,2-Trichloroethane	83		7.409					
67 Chlorodibromomethane	129		7.543					
68 1,3-Dichloropropane	76		7.619					
69 Ethylene Dibromide	107		7.737					
70 n-Butyl acetate	43	7.798	7.796	0.002	57	1169	0	
71 2-Hexanone	43		7.889					
* 72 Chlorobenzene-d5	117	8.119	8.125	-0.006	91	384695	20.0	
73 Chlorobenzene	112		8.133					
74 Ethylbenzene	91		8.150					
75 1,1,1,2-Tetrachloroethane	131		8.184					
76 m-Xylene & p-Xylene	91		8.260					
77 o-Xylene	91		8.588					
78 Styrene	104		8.630					
79 Bromoform	173		8.664					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.833					
$ 82 4-Bromofluorobenzene	95	9.054	9.060	-0.006	77	204070	19.2	
83 Bromobenzene	77		9.144					
84 N-Propylbenzene	91		9.153					
85 1,1,2,2-Tetrachloroethane	83		9.203					
86 2-Chlorotoluene	91		9.279					
87 1,3,5-Trimethylbenzene	105		9.296					
88 1,2,3-Trichloropropane	110		9.321					
89 trans-1,4-Dichloro-2-butene	53		9.338					
90 4-Chlorotoluene	91		9.414					
91 tert-Butylbenzene	119		9.557					
92 1,2,4-Trimethylbenzene	105		9.608					
93 sec-Butylbenzene	105		9.692					
94 4-Isopropyltoluene	119		9.802					
95 1,3-Dichlorobenzene	146		9.878					
* 96 1,4-Dichlorobenzene-d4	115	9.939	9.937	0.002	97	109124	20.0	
97 1,4-Dichlorobenzene	146		9.953					
98 n-Butylbenzene	91		10.156					
99 1,2-Dichlorobenzene	146		10.324					
100 1,2-Dibromo-3-Chloropropane	157		11.125					
101 1,3,5-Trichlorobenzene	180		11.158					
102 Hexachlorobutadiene	225		11.925					
103 1,2,4-Trichlorobenzene	180		11.976					
104 Naphthalene	128		12.456					
105 1,2,3-Trichlorobenzene	180		12.760					

Report Date: 08-Dec-2011 08:31:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55250.D
Injection Date: 07-Dec-2011 00:29:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB303-0204 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 18
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB132-1012 | Lab Sample ID: 360-37832-8

Matrix: Solid | Lab File ID: V55251.D

Analysis Method: 8260B | Date Collected: 11/28/2011 12:00

Sample wt/vol: 5.24(g) | Date Analyzed: 12/07/2011 00:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 13.5 | Level: (low/med) Low

Analysis Batch No.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.8	1.3
71-55-6	1,1,1-Trichloroethane	270		2.8	2.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.8	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14	1.6
79-00-5	1,1,2-Trichloroethane	ND		2.8	1.1
75-34-3	1,1-Dichloroethane	ND		2.8	2.1
75-35-4	1,1-Dichloroethene	11		2.8	1.8
563-58-6	1,1-Dichloropropene	ND		2.8	1.7
87-61-6	1,2,3-Trichlorobenzene	ND		2.8	1.2
96-18-4	1,2,3-Trichloropropane	ND		2.8	1.3
120-82-1	1,2,4-Trichlorobenzene	ND		2.8	1.1
95-63-6	1,2,4-Trimethylbenzene	ND		2.8	1.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		28	3.1
95-50-1	1,2-Dichlorobenzene	ND		2.8	1.1
107-06-2	1,2-Dichloroethane	ND		2.8	1.1
78-87-5	1,2-Dichloropropane	ND		2.8	1.8
108-67-8	1,3,5-Trimethylbenzene	ND		2.8	1.7
541-73-1	1,3-Dichlorobenzene	ND		2.8	1.1
142-28-9	1,3-Dichloropropane	ND		2.8	1.3
106-46-7	1,4-Dichlorobenzene	ND		2.8	1.1
594-20-7	2,2-Dichloropropane	ND		2.8	2.3
78-93-3	2-Butanone (MEK)	ND		28	12
95-49-8	2-Chlorotoluene	ND		2.8	1.4
591-78-6	2-Hexanone	ND		28	15
106-43-4	4-Chlorotoluene	ND		2.8	1.3
99-87-6	4-Isopropyltoluene	ND		2.8	1.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	28	11
67-64-1	Acetone	ND		280	110
107-13-1	Acrylonitrile	ND		28	2.6
71-43-2	Benzene	ND		2.8	1.8
108-86-1	Bromobenzene	ND		2.8	1.1
75-25-2	Bromoform	ND		2.8	1.8
74-83-9	Bromomethane	ND		5.5	2.5
75-15-0	Carbon disulfide	ND		2.8	2.1
56-23-5	Carbon tetrachloride	ND		2.8	1.9
108-90-7	Chlorobenzene	ND		2.8	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB132-1012 | Lab Sample ID: 360-37832-8

Matrix: Solid | Lab File ID: V55251.D

Analysis Method: 8260B | Date Collected: 11/28/2011 12:00

Sample wt/vol: 5.24(g) | Date Analyzed: 12/07/2011 00:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 13.5 | Level: (low/med) Low

Analysis Batch No.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.8	1.3
75-00-3	Chloroethane	ND		5.5	2.2
67-66-3	Chloroform	ND		2.8	1.7
74-87-3	Chloromethane	ND		5.5	1.8
156-59-2	cis-1,2-Dichloroethene	10		2.8	1.3
10061-01-5	cis-1,3-Dichloropropene	ND		2.8	1.1
74-95-3	Dibromomethane	ND		2.8	1.4
75-27-4	Dichlorobromomethane	ND		2.8	1.4
75-71-8	Dichlorodifluoromethane	ND		5.5	2.3
100-41-4	Ethylbenzene	ND		2.8	2.0
106-93-4	Ethylene Dibromide	ND		2.8	1.2
87-68-3	Hexachlorobutadiene	ND		2.8	1.7
98-82-8	Isopropylbenzene	ND		2.8	1.7
179601-23-1	m-Xylene & p-Xylene	ND		5.5	3.9
1634-04-4	Methyl tert-butyl ether	ND		2.8	1.7
75-09-2	Methylene Chloride	ND		11	11
104-51-8	n-Butylbenzene	ND		2.8	1.3
103-65-1	N-Propylbenzene	ND	*	2.8	1.9
91-20-3	Naphthalene	ND		28	2.5
95-47-6	o-Xylene	5.8		2.8	1.4
135-98-8	sec-Butylbenzene	ND		2.8	1.5
100-42-5	Styrene	ND		2.8	1.1
98-06-6	tert-Butylbenzene	ND		2.8	1.5
127-18-4	Tetrachloroethene	20		2.8	2.0
109-99-9	Tetrahydrofuran	ND		55	14
108-88-3	Toluene	ND		2.8	2.0
156-60-5	trans-1,2-Dichloroethene	ND		2.8	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.8	1.1
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	5.5	2.3
79-01-6	Trichloroethene	470		2.8	2.3
75-69-4	Trichlorofluoromethane	ND		5.5	1.6
75-01-4	Vinyl chloride	ND		2.8	1.9
1330-20-7	Xylenes, Total	5.8		5.5	3.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB132-1012 Lab Sample ID: 360-37832-8

Matrix: Solid Lab File ID: V55251.D

Analysis Method: 8260B Date Collected: 11/28/2011 12:00

Sample wt/vol: 5.24(g) Date Analyzed: 12/07/2011 00:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 13.5 Level: (low/med) Low

Analysis Batch No.: 84468 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		70-130
1868-53-7	Dibromofluoromethane	95		70-130
2037-26-5	Toluene-d8 (Surr)	91		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55251.D		
Lims ID:	360-37832-D-8-A	Client ID:	BC-SO-SB132-1012
Inject. Date:	07-Dec-2011 00:54:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-D-8		
Misc. Info.:	8260LL =8260LL		
Operator:	BW	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	84468	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m		
Last Update:	07-Dec-2011 16:51:25	Calib Date:	28-Nov-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		
First Level Reviewer: weigelb		Date:	08-Dec-2011 08:32:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.754					
2 Chloromethane	50		1.889					
3 Vinyl chloride	62		1.990					
4 Bromomethane	94		2.310					
5 Chloroethane	64		2.420					
6 Trichlorofluoromethane	101		2.504					
7 Dichlorofluoromethane	67		2.614					
8 Ethyl ether	59		2.791					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.984					
9 1,1-Dichloroethene	96	2.994	2.984	0.010	87	17930	2.08	
11 Ethanol	45	2.952	3.010	-0.058	13	232	0	
10 Carbon disulfide	76		3.018					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.077					
14 Acrolein	56		3.296					
15 Isopropyl alcohol	45	3.466	3.456	0.010	96	5459	0	
16 Methylene Chloride	84	3.525	3.515	0.010	94	15163	0.8583	
17 Acetone	43		3.557					
18 trans-1,2-Dichloroethene	61		3.659					
19 Methyl acetate	43		3.667					
20 Hexane	57	3.736	3.726	0.010	47	1262	0	
21 Methyl tert-butyl ether	73		3.751					
22 2-Methyl-2-propanol	59	3.913	3.827	0.086	1	756	0	
23 Isopropyl ether	45		4.080					
24 1,1-Dichloroethane	63	4.208	4.198	0.010	75	7851	0.4311	
125 Halothane	117		4.232					
25 Acrylonitrile	53		4.240					
26 Tert-butyl ethyl ether	59		4.392					
27 Vinyl acetate	43	4.342	4.400	-0.058	57	1110	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61	4.654	4.653	0.001	72	25056	1.82	
29 2,2-Dichloropropane	77		4.754					
31 Chlorobromomethane	130		4.830					
30 Cyclohexane	56		4.830					
32 Chloroform	83		4.880					
34 Ethyl acetate	43	4.991	4.973	0.018	61	3087	0	
36 sec-Butyl Alcohol	45	4.966	5.007	-0.041	17	533	0	
33 Carbon tetrachloride	117		5.007					
35 Tetrahydrofuran	42		5.015					
$ 37 Dibromofluoromethane	113	5.042	5.032	0.010	72	136510	19.0	
38 1,1,1-Trichloroethane	97	5.067	5.066	0.001	90	655226	49.2	
39 2-Butanone (MEK)	43		5.142					
40 1,1-Dichloropropene	75		5.167					
41 n-Heptane	43		5.327					
42 Benzene	78		5.369					
43 Tert-amyl methyl ether	73		5.454					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.480	5.479	0.001	0	25383	20.0	
45 1,2-Dichloroethane	62		5.538					
* 46 Fluorobenzene	96	5.708	5.698	0.010	98	597004	20.0	
48 Isopropyl acetate	43		5.715					
47 2,4,4-Trimethyl-1-pentene	55	5.708	5.723	-0.015	26	582	0	
50 Trichloroethene	95	5.834	5.833	0.001	93	819286	85.6	
49 Methylcyclohexane	83		5.833					
51 2,4,4-Trimethyl-2-pentene	112		5.858					
52 Dibromomethane	93		6.170					
53 1,2-Dichloropropane	63		6.254					
54 Dichlorobromomethane	83		6.296					
55 Methyl methacrylate	69		6.406					
56 1,4-Dioxane	88		6.456					
57 n-Propyl acetate	43	6.517	6.507	0.010	59	1784	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.785					
$ 60 Toluene-d8 (Surr)	98	6.929	6.928	0.001	84	527282	18.2	
61 Toluene	92		6.970					
63 4-Methyl-2-pentanone (MIBK)	43		7.248					
62 Tetrachloroethene	166	7.267	7.265	0.001	87	29347	3.65	
64 trans-1,3-Dichloropropene	75		7.282					
65 Isobutyl acetate	43	7.325	7.333	-0.008	47	868	0	
66 1,1,2-Trichloroethane	83	7.410	7.409	0.001	52	1872	0.4939	
67 Chlorodibromomethane	129		7.543					
68 1,3-Dichloropropane	76		7.619					
69 Ethylene Dibromide	107		7.737					
70 n-Butyl acetate	43	7.747	7.796	-0.049	34	942	0	
71 2-Hexanone	43		7.889					
* 72 Chlorobenzene-d5	117	8.126	8.125	0.001	88	376625	20.0	
73 Chlorobenzene	112		8.133					
74 Ethylbenzene	91		8.150					
75 1,1,1,2-Tetrachloroethane	131		8.184					
76 m-Xylene & p-Xylene	91		8.260					
77 o-Xylene	91	8.590	8.588	0.002	99	31165	1.05	
78 Styrene	104		8.630					
79 Bromoform	173		8.664					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105	8.834	8.833	0.001	95	9568	0.2604	
$ 82 4-Bromofluorobenzene	95	9.061	9.060	0.001	83	208496	20.1	
83 Bromobenzene	77		9.144					
84 N-Propylbenzene	91		9.153					
85 1,1,2,2-Tetrachloroethane	83		9.203					
86 2-Chlorotoluene	91		9.279					
87 1,3,5-Trimethylbenzene	105		9.296					
88 1,2,3-Trichloropropane	110		9.321					
89 trans-1,4-Dichloro-2-butene	53		9.338					
90 4-Chlorotoluene	91		9.414					
91 tert-Butylbenzene	119		9.557					
92 1,2,4-Trimethylbenzene	105		9.608					
93 sec-Butylbenzene	105	9.693	9.692	0.001	88	10637	0.2589	
94 4-Isopropyltoluene	119		9.802					
95 1,3-Dichlorobenzene	146		9.878					
* 96 1,4-Dichlorobenzene-d4	115	9.938	9.937	0.001	98	121484	20.0	
97 1,4-Dichlorobenzene	146		9.953					
98 n-Butylbenzene	91	10.157	10.156	0.001	30	6385	0.1867	
99 1,2-Dichlorobenzene	146		10.324					
100 1,2-Dibromo-3-Chloropropane	157		11.125					
101 1,3,5-Trichlorobenzene	180		11.158					
102 Hexachlorobutadiene	225		11.925					
103 1,2,4-Trichlorobenzene	180		11.976					
104 Naphthalene	128		12.456					
105 1,2,3-Trichlorobenzene	180		12.760					

Report Date: 08-Dec-2011 08:32:40 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55251.D

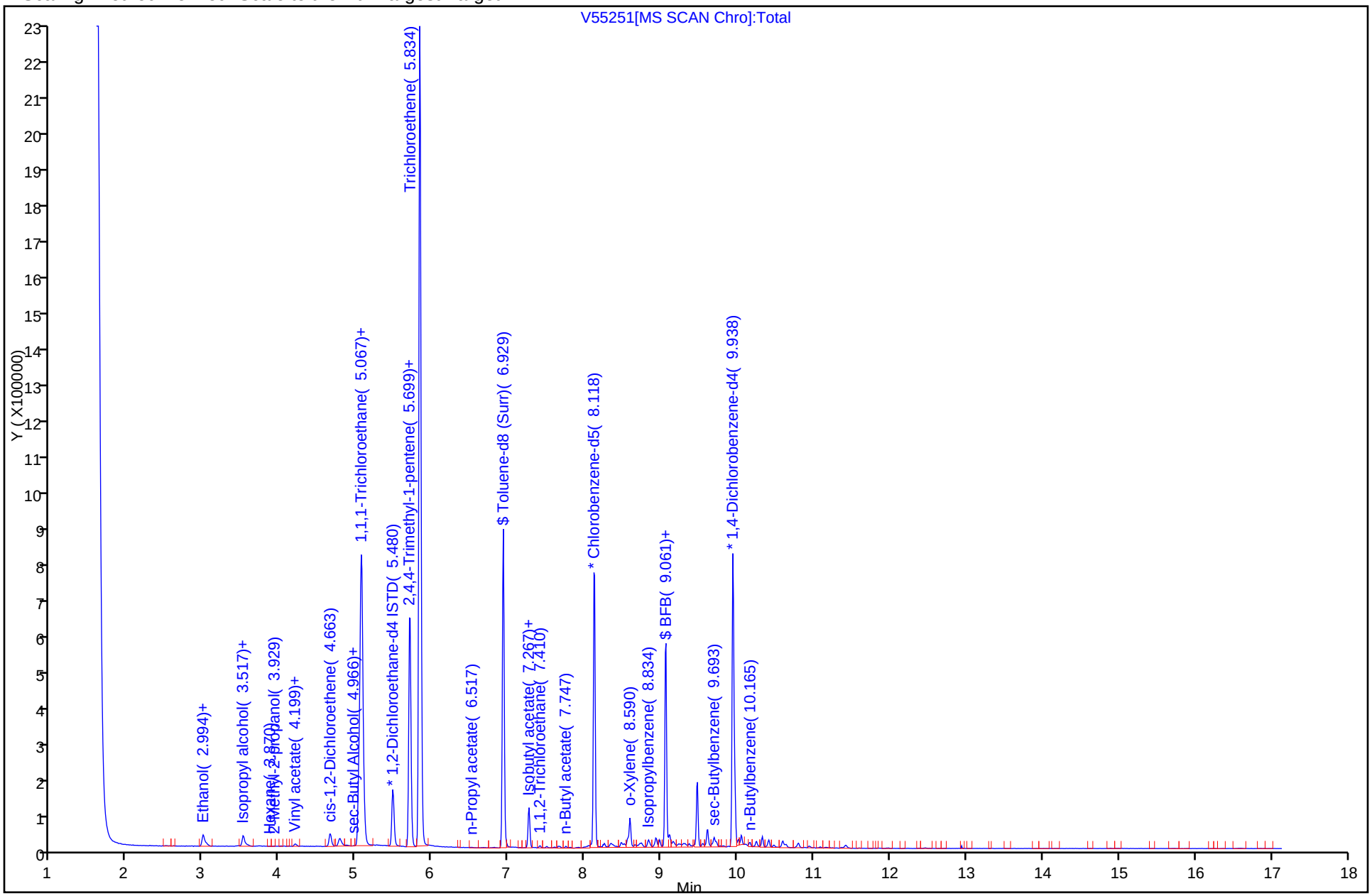
Injection Date: 07-Dec-2011 00:54:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-SO-SB132-1012 Instrument ID: HP #1 GC/MS

Lims Batch ID: 84468 Lims Sample ID: 19

Operator ID: BW

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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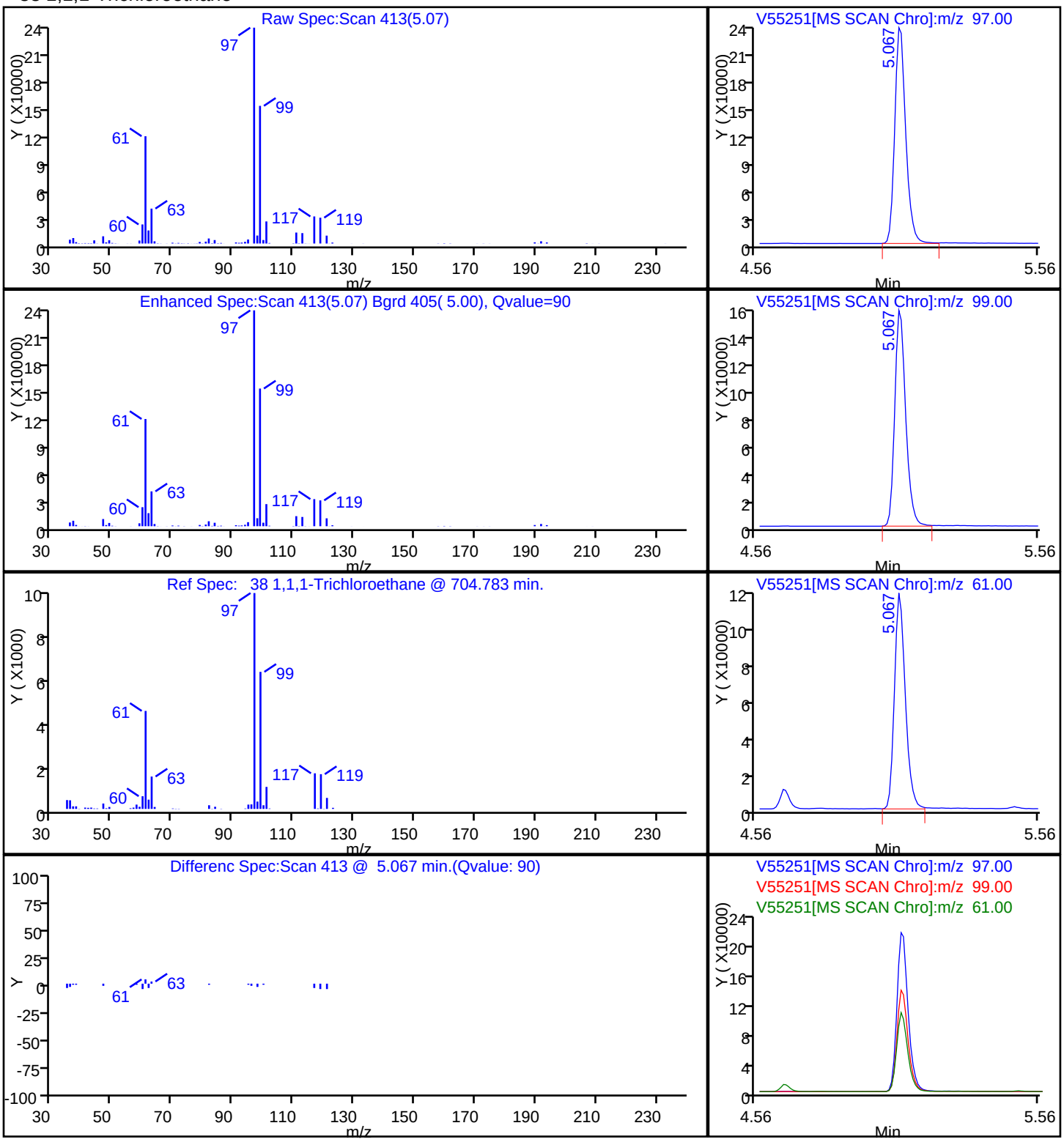
Injection Date: 07-Dec-2011 00:54:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB132-1012 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 19
Operator ID: BW

38 1,1,1-Trichloroethane



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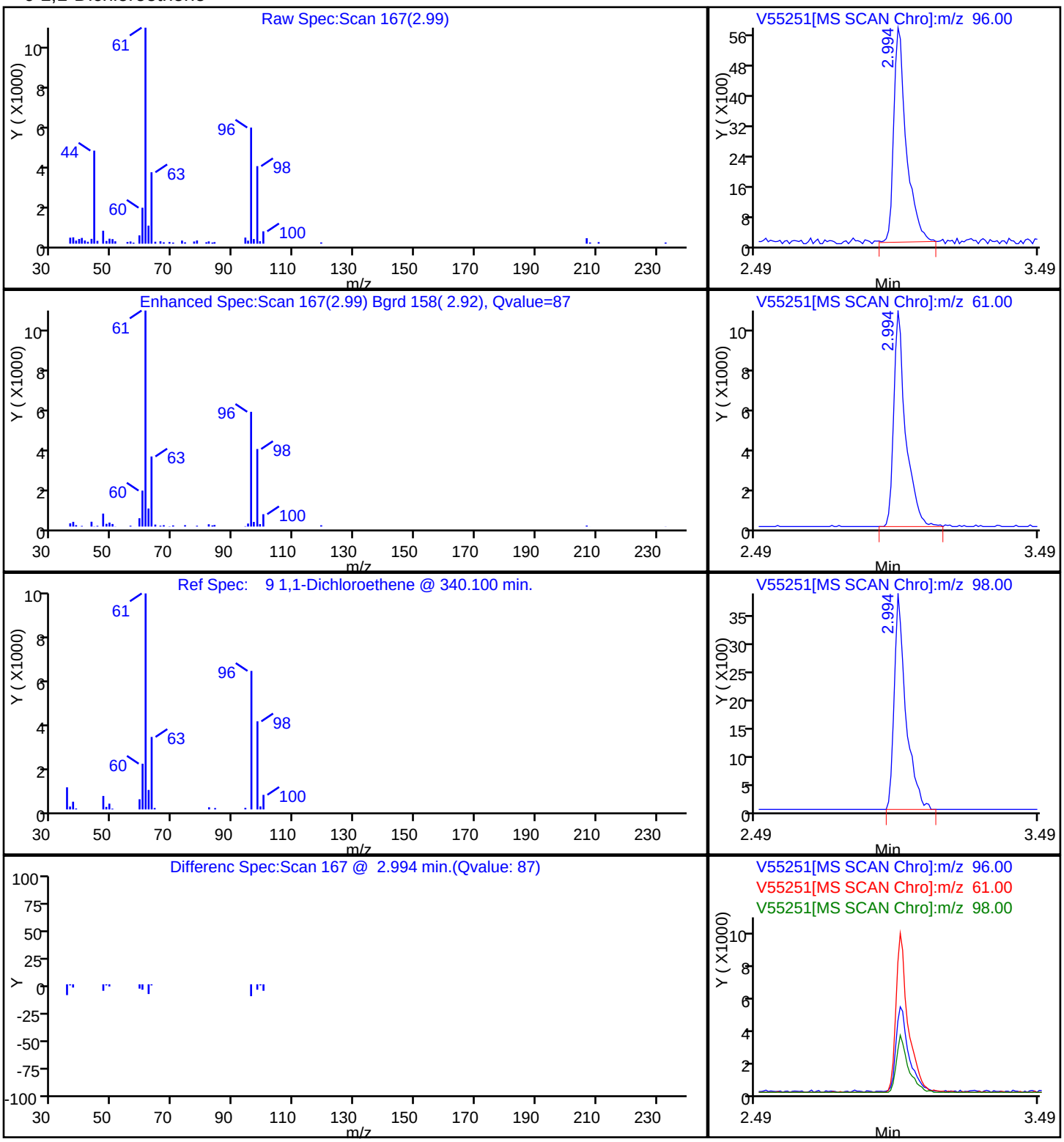
Injection Date: 07-Dec-2011 00:54:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB132-1012 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 19
Operator ID: BW

9 1,1-Dichloroethene



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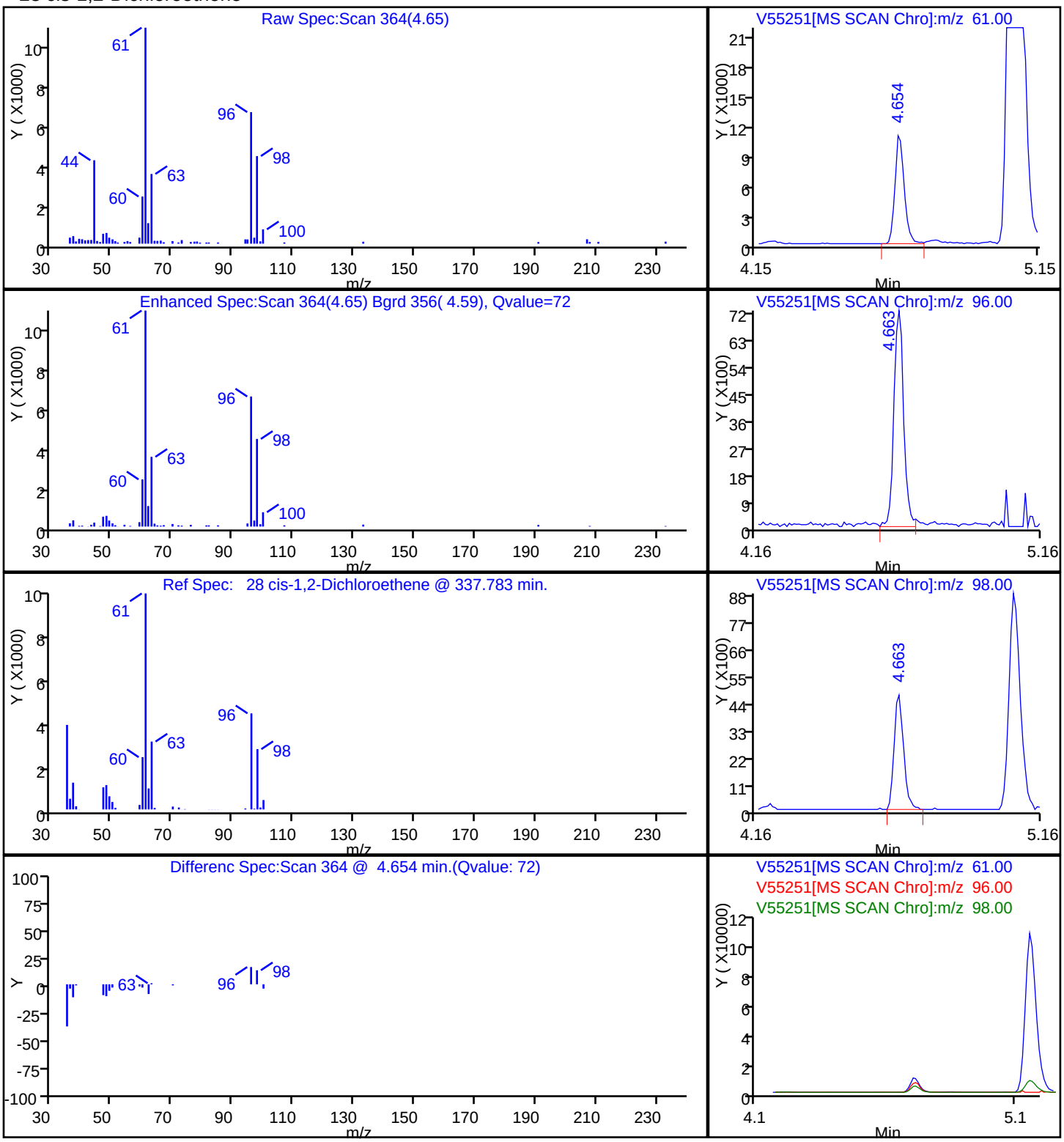
Injection Date: 07-Dec-2011 00:54:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB132-1012 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 19
Operator ID: BW

28 cis-1,2-Dichloroethene



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Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55251.D

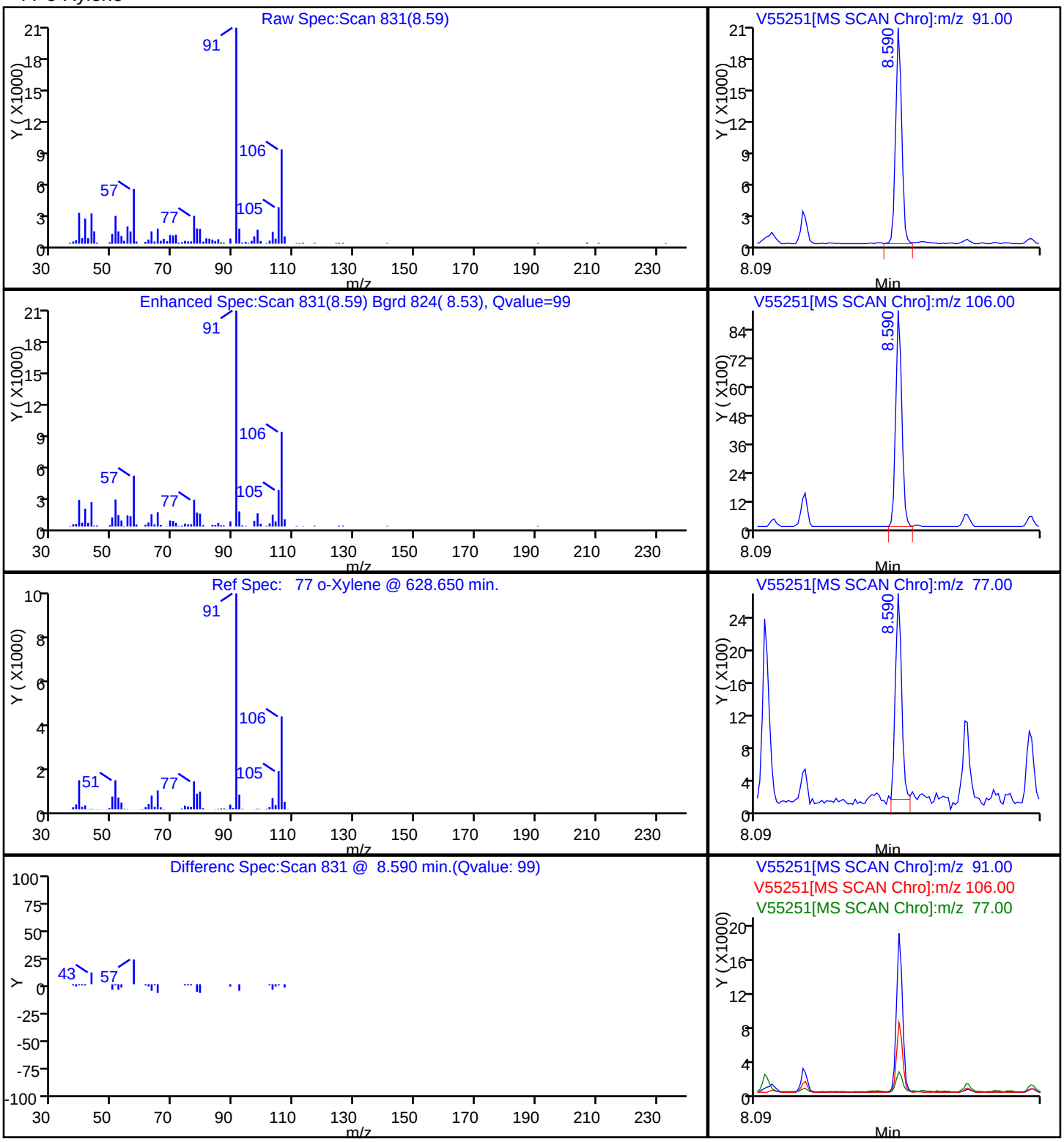
Injection Date: 07-Dec-2011 00:54:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-SO-SB132-1012 Instrument ID: HP #1 GC/MS

Lims Batch ID: 84468 Lims Sample ID: 19

Operator ID: BW

77 o-Xylene



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Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55251.D

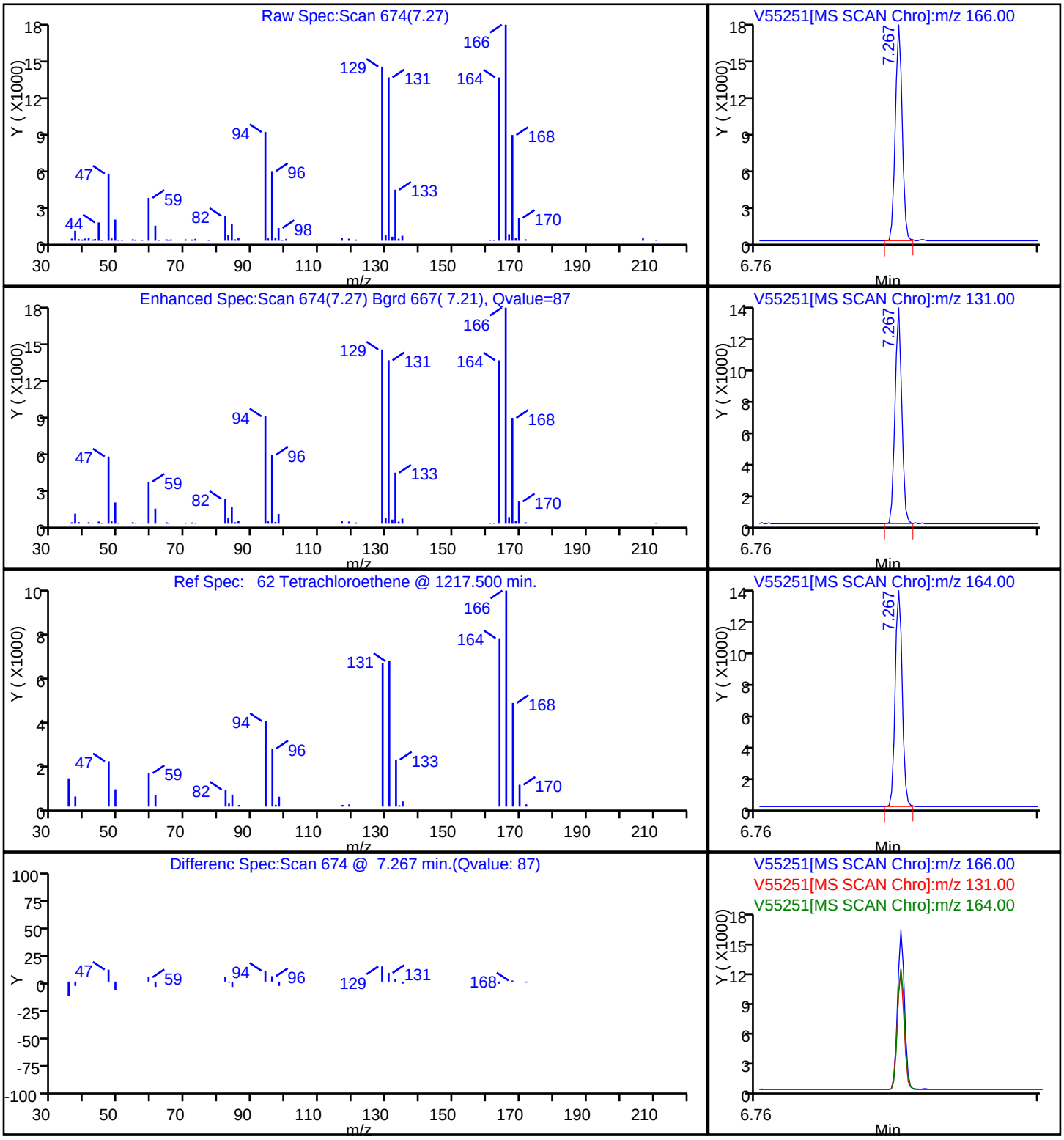
Injection Date: 07-Dec-2011 00:54:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-SO-SB132-1012 Instrument ID: HP #1 GC/MS

Lims Batch ID: 84468 Lims Sample ID: 19

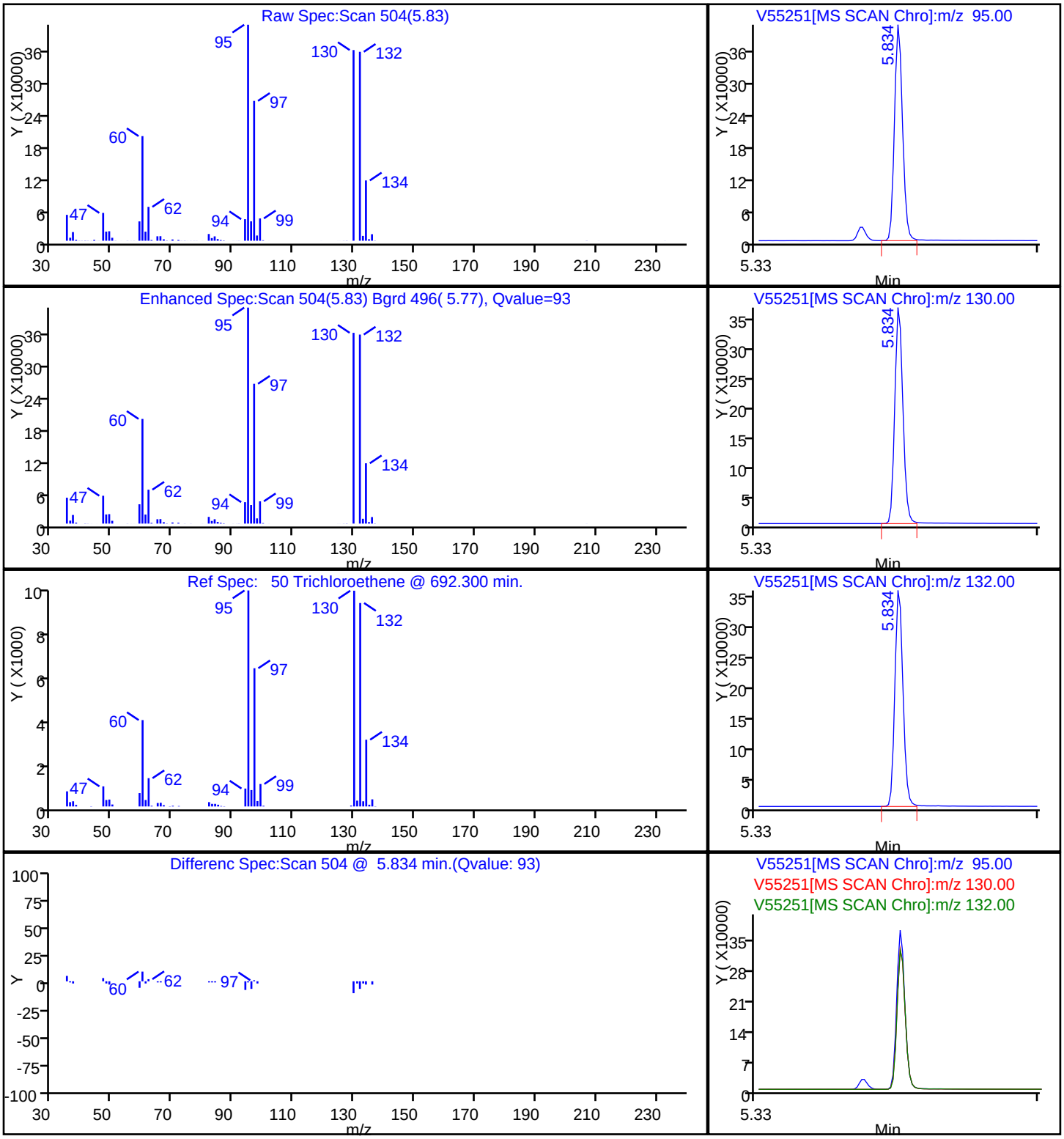
Operator ID: BW

62 Tetrachloroethene



Report Date: 08-Dec-2011 08:32:40 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55251.D
Injection Date: 07-Dec-2011 00:54:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB132-1012 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 19
Operator ID: BW

50 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB129-0204 | Lab Sample ID: 360-37832-9

Matrix: Solid | Lab File ID: V55252.D

Analysis Method: 8260B | Date Collected: 11/28/2011 10:50

Sample wt/vol: 4.91(g) | Date Analyzed: 12/07/2011 01:20

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.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.7	1.3
71-55-6	1,1,1-Trichloroethane	ND		2.7	2.2
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	1.6
79-00-5	1,1,2-Trichloroethane	ND		2.7	1.1
75-34-3	1,1-Dichloroethane	ND		2.7	2.1
75-35-4	1,1-Dichloroethene	ND		2.7	1.7
563-58-6	1,1-Dichloropropene	ND		2.7	1.6
87-61-6	1,2,3-Trichlorobenzene	ND		2.7	1.2
96-18-4	1,2,3-Trichloropropane	ND		2.7	1.3
120-82-1	1,2,4-Trichlorobenzene	ND		2.7	1.1
95-63-6	1,2,4-Trimethylbenzene	ND		2.7	1.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		27	3.0
95-50-1	1,2-Dichlorobenzene	ND		2.7	1.1
107-06-2	1,2-Dichloroethane	ND		2.7	1.1
78-87-5	1,2-Dichloropropane	ND		2.7	1.7
108-67-8	1,3,5-Trimethylbenzene	ND		2.7	1.6
541-73-1	1,3-Dichlorobenzene	ND		2.7	1.1
142-28-9	1,3-Dichloropropane	ND		2.7	1.2
106-46-7	1,4-Dichlorobenzene	ND		2.7	1.1
594-20-7	2,2-Dichloropropane	ND		2.7	2.3
78-93-3	2-Butanone (MEK)	ND		27	12
95-49-8	2-Chlorotoluene	ND		2.7	1.4
591-78-6	2-Hexanone	ND		27	15
106-43-4	4-Chlorotoluene	ND		2.7	1.3
99-87-6	4-Isopropyltoluene	ND		2.7	1.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	27	11
67-64-1	Acetone	ND		270	110
107-13-1	Acrylonitrile	ND		27	2.6
71-43-2	Benzene	ND		2.7	1.7
108-86-1	Bromobenzene	ND		2.7	1.1
75-25-2	Bromoform	ND		2.7	1.7
74-83-9	Bromomethane	ND		5.4	2.5
75-15-0	Carbon disulfide	ND		2.7	2.1
56-23-5	Carbon tetrachloride	ND		2.7	1.8
108-90-7	Chlorobenzene	ND		2.7	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB129-0204 Lab Sample ID: 360-37832-9

Matrix: Solid Lab File ID: V55252.D

Analysis Method: 8260B Date Collected: 11/28/2011 10:50

Sample wt/vol: 4.91(g) Date Analyzed: 12/07/2011 01:20

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.: 84468 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.7	1.3
75-00-3	Chloroethane	ND		5.4	2.2
67-66-3	Chloroform	ND		2.7	1.6
74-87-3	Chloromethane	ND		5.4	1.7
156-59-2	cis-1,2-Dichloroethene	ND		2.7	1.3
10061-01-5	cis-1,3-Dichloropropene	ND		2.7	1.1
74-95-3	Dibromomethane	ND		2.7	1.4
75-27-4	Dichlorobromomethane	ND		2.7	1.4
75-71-8	Dichlorodifluoromethane	ND		5.4	2.3
100-41-4	Ethylbenzene	ND		2.7	1.9
106-93-4	Ethylene Dibromide	ND		2.7	1.2
87-68-3	Hexachlorobutadiene	ND		2.7	1.6
98-82-8	Isopropylbenzene	ND		2.7	1.6
179601-23-1	m-Xylene & p-Xylene	ND		5.4	3.8
1634-04-4	Methyl tert-butyl ether	ND		2.7	1.6
75-09-2	Methylene Chloride	ND		11	11
104-51-8	n-Butylbenzene	ND		2.7	1.3
103-65-1	N-Propylbenzene	ND	*	2.7	1.8
91-20-3	Naphthalene	ND		27	2.5
95-47-6	o-Xylene	ND		2.7	1.4
135-98-8	sec-Butylbenzene	ND		2.7	1.5
100-42-5	Styrene	ND		2.7	1.1
98-06-6	tert-Butylbenzene	ND		2.7	1.5
127-18-4	Tetrachloroethene	ND		2.7	1.9
109-99-9	Tetrahydrofuran	ND		54	13
108-88-3	Toluene	ND		2.7	1.9
156-60-5	trans-1,2-Dichloroethene	ND		2.7	1.7
10061-02-6	trans-1,3-Dichloropropene	ND		2.7	1.1
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	5.4	2.3
79-01-6	Trichloroethene	5.6		2.7	2.3
75-69-4	Trichlorofluoromethane	ND		5.4	1.5
75-01-4	Vinyl chloride	ND		2.7	1.8
1330-20-7	Xylenes, Total	ND		5.4	3.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB129-0204 Lab Sample ID: 360-37832-9

Matrix: Solid Lab File ID: V55252.D

Analysis Method: 8260B Date Collected: 11/28/2011 10:50

Sample wt/vol: 4.91(g) Date Analyzed: 12/07/2011 01:20

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.: 84468 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		70-130
1868-53-7	Dibromofluoromethane	97		70-130
2037-26-5	Toluene-d8 (Surr)	91		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55252.D		
Lims ID:	360-37832-D-9-A	Client ID:	BC-SO-SB129-0204
Inject. Date:	07-Dec-2011 01:20:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-D-9		
Misc. Info.:	8260LL =8260LL		
Operator:	BW	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	84468	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m		
Last Update:	07-Dec-2011 16:51:25	Calib Date:	28-Nov-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		
First Level Reviewer: weigelb		Date:	08-Dec-2011 08:33:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.754					
2 Chloromethane	50		1.889					
3 Vinyl chloride	62		1.990					
4 Bromomethane	94		2.310					
5 Chloroethane	64		2.420					
6 Trichlorofluoromethane	101		2.504					
7 Dichlorofluoromethane	67	2.639	2.614	0.025	1	59	0	
8 Ethyl ether	59		2.791					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.984					
9 1,1-Dichloroethene	96		2.984					
11 Ethanol	45	2.968	3.010	-0.042	1	460	0	
10 Carbon disulfide	76		3.018					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.077					
14 Acrolein	56		3.296					
15 Isopropyl alcohol	45	3.465	3.456	0.009	82	6882	0	
16 Methylene Chloride	84	3.516	3.515	0.001	98	15670	0.8791	
17 Acetone	43		3.557					
18 trans-1,2-Dichloroethene	61		3.659					
19 Methyl acetate	43		3.667					
20 Hexane	57	3.726	3.726	0.0	74	1102	0	
21 Methyl tert-butyl ether	73		3.751					
22 2-Methyl-2-propanol	59	3.861	3.827	0.034	18	356	0	
23 Isopropyl ether	45		4.080					
24 1,1-Dichloroethane	63		4.198					
125 Halothane	117		4.232					
25 Acrylonitrile	53		4.240					
26 Tert-butyl ethyl ether	59		4.392					
27 Vinyl acetate	43		4.400					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.653					
29 2,2-Dichloropropane	77		4.754					
31 Chlorobromomethane	130		4.830					
30 Cyclohexane	56		4.830					
32 Chloroform	83		4.880					
34 Ethyl acetate	43	4.974	4.973	0.001	94	5110	0	
36 sec-Butyl Alcohol	45	4.974	5.007	-0.033	1	1101	0	
33 Carbon tetrachloride	117		5.007					
35 Tetrahydrofuran	42		5.015					
$ 37 Dibromofluoromethane	113	5.033	5.032	0.001	68	142977	19.5	
38 1,1,1-Trichloroethane	97	5.066	5.066	0.0	24	4135	0.3043	
39 2-Butanone (MEK)	43		5.142					
40 1,1-Dichloropropene	75		5.167					
41 n-Heptane	43		5.327					
42 Benzene	78		5.369					
43 Tert-amyl methyl ether	73		5.454					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.479	5.479	0.0	0	26371	20.0	
45 1,2-Dichloroethane	62		5.538					
* 46 Fluorobenzene	96	5.698	5.698	0.0	98	608920	20.0	
48 Isopropyl acetate	43		5.715					
47 2,4,4-Trimethyl-1-pentene	55	5.698	5.723	-0.025	14	1405	0	
50 Trichloroethene	95	5.833	5.833	0.0	86	10037	1.03	
49 Methylcyclohexane	83		5.833					
51 2,4,4-Trimethyl-2-pentene	112		5.858					
52 Dibromomethane	93		6.170					
53 1,2-Dichloropropane	63		6.254					
54 Dichlorobromomethane	83		6.296					
55 Methyl methacrylate	69		6.406					
56 1,4-Dioxane	88		6.456					
57 n-Propyl acetate	43	6.507	6.507	0.0	87	1138	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.785					
$ 60 Toluene-d8 (Surr)	98	6.929	6.928	0.001	84	540269	18.3	
61 Toluene	92		6.970					
63 4-Methyl-2-pentanone (MIBK)	43		7.248					
62 Tetrachloroethene	166		7.265					
64 trans-1,3-Dichloropropene	75		7.282					
65 Isobutyl acetate	43	7.333	7.333	0.0	19	304	0	
66 1,1,2-Trichloroethane	83		7.409					
67 Chlorodibromomethane	129		7.543					
68 1,3-Dichloropropane	76		7.619					
69 Ethylene Dibromide	107		7.737					
70 n-Butyl acetate	43	7.805	7.796	0.009	62	947	0	
71 2-Hexanone	43		7.889					
* 72 Chlorobenzene-d5	117	8.125	8.125	0.0	89	382147	20.0	
73 Chlorobenzene	112		8.133					
74 Ethylbenzene	91		8.150					
75 1,1,1,2-Tetrachloroethane	131		8.184					
76 m-Xylene & p-Xylene	91		8.260					
77 o-Xylene	91		8.588					
78 Styrene	104		8.630					
79 Bromoform	173		8.664					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.833					
$ 82 4-Bromofluorobenzene	95	9.061	9.060	0.001	82	212597	20.2	
83 Bromobenzene	77		9.144					
84 N-Propylbenzene	91		9.153					
85 1,1,2,2-Tetrachloroethane	83		9.203					
86 2-Chlorotoluene	91		9.279					
87 1,3,5-Trimethylbenzene	105		9.296					
88 1,2,3-Trichloropropane	110		9.321					
89 trans-1,4-Dichloro-2-butene	53		9.338					
90 4-Chlorotoluene	91		9.414					
91 tert-Butylbenzene	119		9.557					
92 1,2,4-Trimethylbenzene	105		9.608					
93 sec-Butylbenzene	105		9.692					
94 4-Isopropyltoluene	119		9.802					
95 1,3-Dichlorobenzene	146		9.878					
* 96 1,4-Dichlorobenzene-d4	115	9.937	9.937	0.0	98	119483	20.0	
97 1,4-Dichlorobenzene	146		9.953					
98 n-Butylbenzene	91		10.156					
99 1,2-Dichlorobenzene	146		10.324					
100 1,2-Dibromo-3-Chloropropane	157		11.125					
101 1,3,5-Trichlorobenzene	180		11.158					
102 Hexachlorobutadiene	225		11.925					
103 1,2,4-Trichlorobenzene	180		11.976					
104 Naphthalene	128		12.456					
105 1,2,3-Trichlorobenzene	180		12.760					

Report Date: 08-Dec-2011 08:33:38 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55252.D

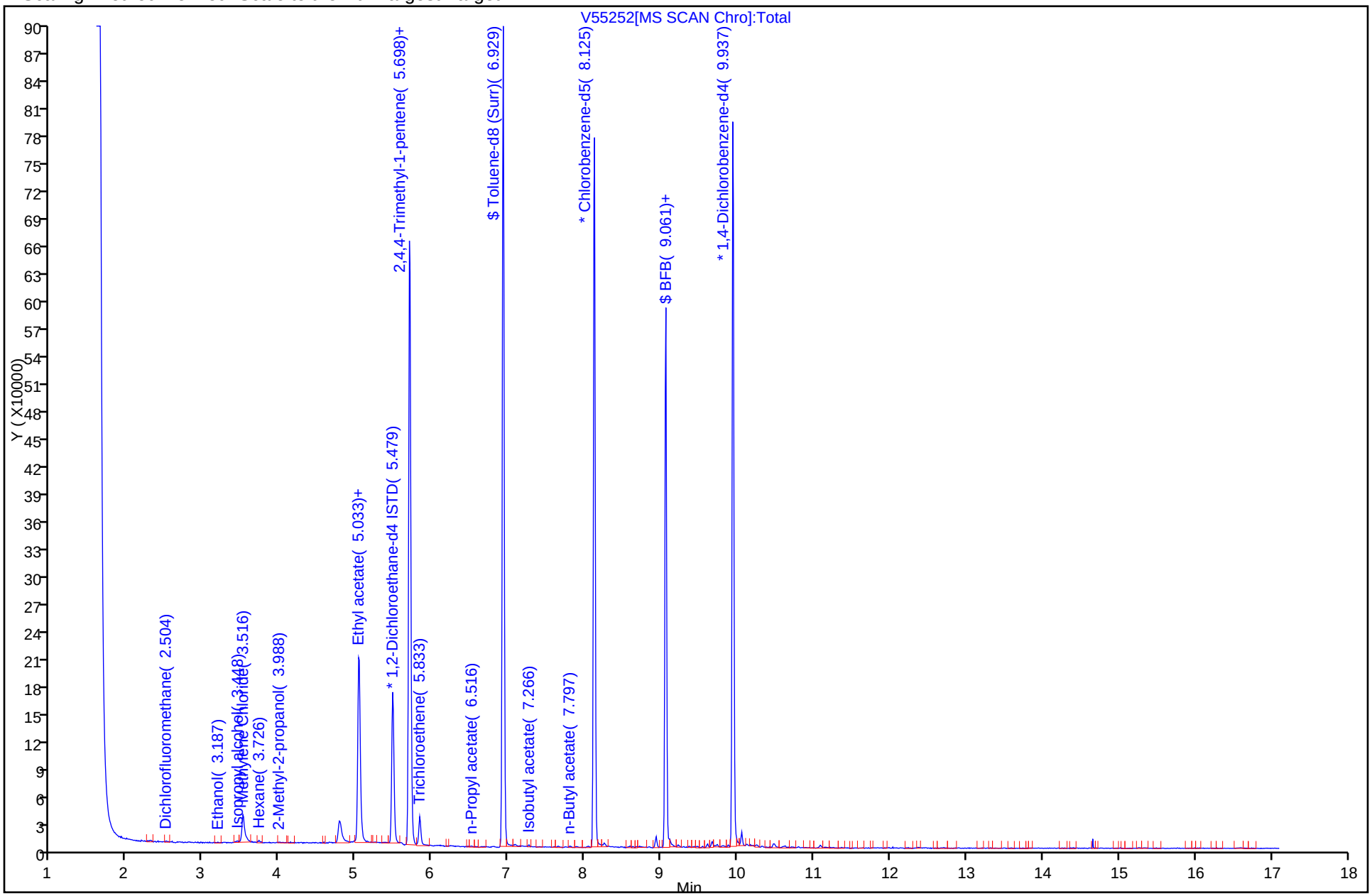
Injection Date: 07-Dec-2011 01:20:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-SO-SB129-0204 Instrument ID: HP #1 GC/MS

Lims Batch ID: 84468 Lims Sample ID: 20

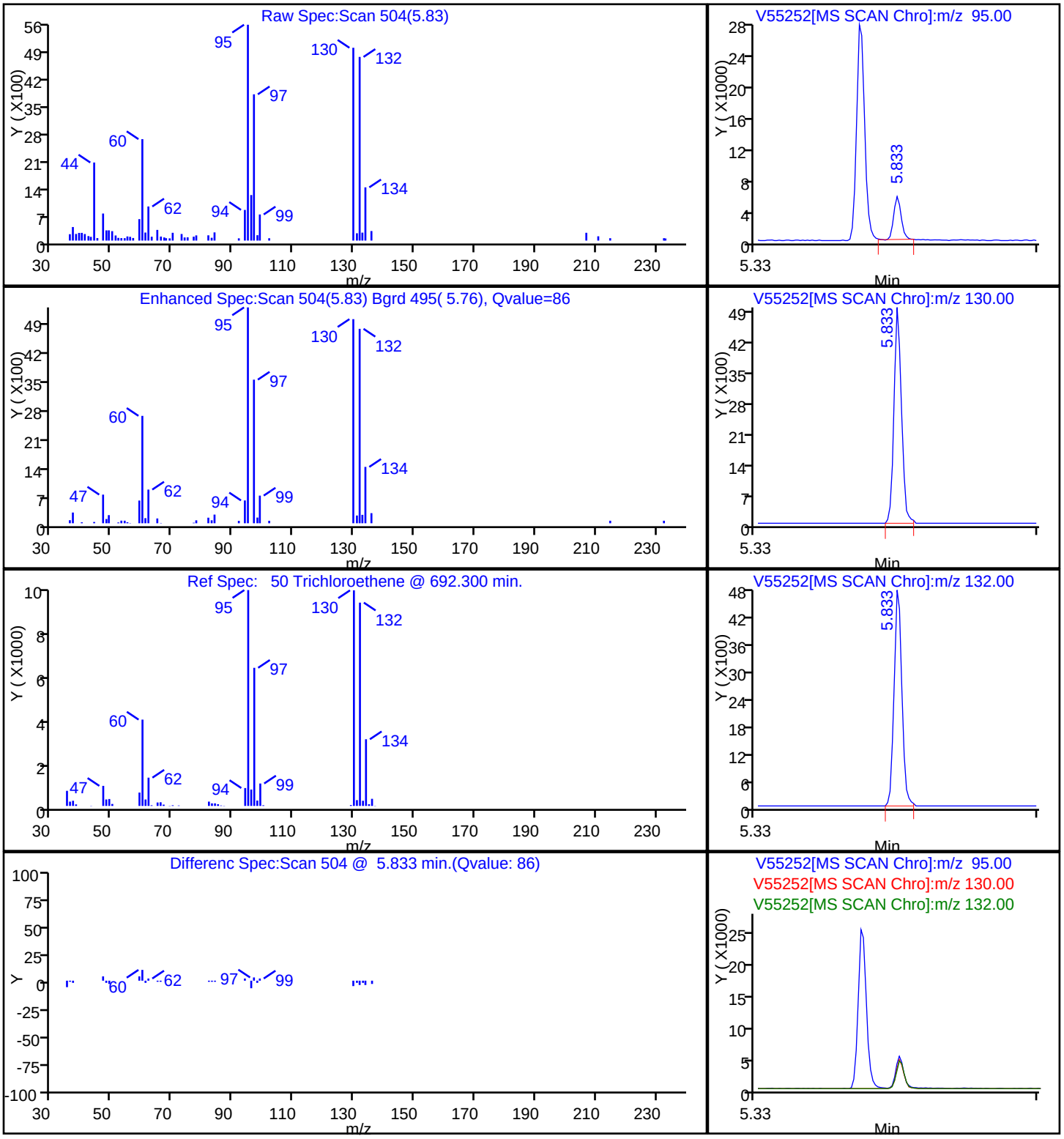
Operator ID: BW

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Dec-2011 08:33:39 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55252.D
Injection Date: 07-Dec-2011 01:20:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB129-0204 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 20
Operator ID: BW

50 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB130-0810 | Lab Sample ID: 360-37832-10

Matrix: Solid | Lab File ID: V55253.D

Analysis Method: 8260B | Date Collected: 11/28/2011 10:40

Sample wt/vol: 9.02(g) | Date Analyzed: 12/07/2011 01:46

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.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.6	0.76
71-55-6	1,1,1-Trichloroethane	ND		1.6	1.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.6	0.63
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.9	0.91
79-00-5	1,1,2-Trichloroethane	ND		1.6	0.63
75-34-3	1,1-Dichloroethane	ND		1.6	1.2
75-35-4	1,1-Dichloroethene	ND		1.6	1.0
563-58-6	1,1-Dichloropropene	ND		1.6	0.95
87-61-6	1,2,3-Trichlorobenzene	ND		1.6	0.69
96-18-4	1,2,3-Trichloropropane	ND		1.6	0.76
120-82-1	1,2,4-Trichlorobenzene	ND		1.6	0.63
95-63-6	1,2,4-Trimethylbenzene	ND		1.6	0.88
96-12-8	1,2-Dibromo-3-Chloropropane	ND		16	1.8
95-50-1	1,2-Dichlorobenzene	ND		1.6	0.63
107-06-2	1,2-Dichloroethane	ND		1.6	0.63
78-87-5	1,2-Dichloropropane	ND		1.6	1.0
108-67-8	1,3,5-Trimethylbenzene	ND		1.6	0.95
541-73-1	1,3-Dichlorobenzene	ND		1.6	0.63
142-28-9	1,3-Dichloropropane	ND		1.6	0.72
106-46-7	1,4-Dichlorobenzene	ND		1.6	0.63
594-20-7	2,2-Dichloropropane	ND		1.6	1.3
78-93-3	2-Butanone (MEK)	ND		16	6.8
95-49-8	2-Chlorotoluene	ND		1.6	0.82
591-78-6	2-Hexanone	ND		16	8.8
106-43-4	4-Chlorotoluene	ND		1.6	0.76
99-87-6	4-Isopropyltoluene	ND		1.6	0.95
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	16	6.4
67-64-1	Acetone	ND		160	63
107-13-1	Acrylonitrile	ND		16	1.5
71-43-2	Benzene	ND		1.6	1.0
108-86-1	Bromobenzene	ND		1.6	0.63
75-25-2	Bromoform	ND		1.6	1.0
74-83-9	Bromomethane	ND		3.2	1.5
75-15-0	Carbon disulfide	ND		1.6	1.2
56-23-5	Carbon tetrachloride	ND		1.6	1.1
108-90-7	Chlorobenzene	ND		1.6	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB130-0810 | Lab Sample ID: 360-37832-10

Matrix: Solid | Lab File ID: V55253.D

Analysis Method: 8260B | Date Collected: 11/28/2011 10:40

Sample wt/vol: 9.02(g) | Date Analyzed: 12/07/2011 01:46

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.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		1.6	0.76
75-00-3	Chloroethane	ND		3.2	1.3
67-66-3	Chloroform	ND		1.6	0.95
74-87-3	Chloromethane	ND		3.2	1.0
156-59-2	cis-1,2-Dichloroethene	ND		1.6	0.74
10061-01-5	cis-1,3-Dichloropropene	ND		1.6	0.63
74-95-3	Dibromomethane	ND		1.6	0.80
75-27-4	Dichlorobromomethane	ND		1.6	0.81
75-71-8	Dichlorodifluoromethane	ND		3.2	1.3
100-41-4	Ethylbenzene	ND		1.6	1.1
106-93-4	Ethylene Dibromide	ND		1.6	0.71
87-68-3	Hexachlorobutadiene	ND		1.6	0.95
98-82-8	Isopropylbenzene	ND		1.6	0.95
179601-23-1	m-Xylene & p-Xylene	ND		3.2	2.2
1634-04-4	Methyl tert-butyl ether	ND		1.6	0.95
75-09-2	Methylene Chloride	ND		6.3	6.2
104-51-8	n-Butylbenzene	ND		1.6	0.76
103-65-1	N-Propylbenzene	ND	*	1.6	1.1
91-20-3	Naphthalene	ND		16	1.5
95-47-6	o-Xylene	ND		1.6	0.82
135-98-8	sec-Butylbenzene	ND		1.6	0.88
100-42-5	Styrene	ND		1.6	0.63
98-06-6	tert-Butylbenzene	ND		1.6	0.88
127-18-4	Tetrachloroethene	ND		1.6	1.1
109-99-9	Tetrahydrofuran	ND		32	7.8
108-88-3	Toluene	ND		1.6	1.1
156-60-5	trans-1,2-Dichloroethene	ND		1.6	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		1.6	0.66
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	3.2	1.3
79-01-6	Trichloroethene	31		1.6	1.3
75-69-4	Trichlorofluoromethane	ND		3.2	0.90
75-01-4	Vinyl chloride	ND		1.6	1.1
1330-20-7	Xylenes, Total	ND		3.2	2.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB130-0810 Lab Sample ID: 360-37832-10

Matrix: Solid Lab File ID: V55253.D

Analysis Method: 8260B Date Collected: 11/28/2011 10:40

Sample wt/vol: 9.02(g) Date Analyzed: 12/07/2011 01:46

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.: 84468 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		70-130
1868-53-7	Dibromofluoromethane	98		70-130
2037-26-5	Toluene-d8 (Surr)	90		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55253.D		
Lims ID:	360-37832-D-10-A	Client ID:	BC-SO-SB130-0810
Inject. Date:	07-Dec-2011 01:46:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-D-10		
Misc. Info.:	8260LL =8260LL		
Operator:	BW	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	84468	Lims Sample ID:	21
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m		
Last Update:	07-Dec-2011 16:51:25	Calib Date:	28-Nov-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		
First Level Reviewer: weigelb		Date:	08-Dec-2011 08:36:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.754					
2 Chloromethane	50		1.889					
3 Vinyl chloride	62		1.990					
4 Bromomethane	94		2.310					
5 Chloroethane	64		2.420					
6 Trichlorofluoromethane	101		2.504					
7 Dichlorofluoromethane	67	2.506	2.614	-0.108	1	191	0	
8 Ethyl ether	59		2.791					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.984					
9 1,1-Dichloroethene	96		2.984					
11 Ethanol	45		3.010					
10 Carbon disulfide	76		3.018					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.077					
14 Acrolein	56		3.296					
15 Isopropyl alcohol	45	3.466	3.456	0.010	86	6590	0	
16 Methylene Chloride	84	3.517	3.515	0.002	94	16680	1.09	
17 Acetone	43		3.557					
18 trans-1,2-Dichloroethene	61		3.659					
19 Methyl acetate	43		3.667					
20 Hexane	57	3.736	3.726	0.010	40	1046	0	
21 Methyl tert-butyl ether	73		3.751					
22 2-Methyl-2-propanol	59	3.829	3.827	0.002	1	522	0	
23 Isopropyl ether	45		4.080					
24 1,1-Dichloroethane	63		4.198					
125 Halothane	117		4.232					
25 Acrylonitrile	53		4.240					
26 Tert-butyl ethyl ether	59		4.392					
27 Vinyl acetate	43		4.400					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.653					
29 2,2-Dichloropropane	77		4.754					
31 Chlorobromomethane	130		4.830					
30 Cyclohexane	56		4.830					
32 Chloroform	83		4.880					
34 Ethyl acetate	43	4.975	4.973	0.002	63	2911	0	
36 sec-Butyl Alcohol	45		5.007					
33 Carbon tetrachloride	117		5.007					
35 Tetrahydrofuran	42		5.015					
$ 37 Dibromofluoromethane	113	5.042	5.032	0.010	69	134430	19.5	
38 1,1,1-Trichloroethane	97	5.067	5.066	0.001	22	2222	0.1742	
39 2-Butanone (MEK)	43		5.142					
40 1,1-Dichloropropene	75		5.167					
41 n-Heptane	43		5.327					
42 Benzene	78		5.369					
43 Tert-amyl methyl ether	73		5.454					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.480	5.479	0.001	0	24322	20.0	
45 1,2-Dichloroethane	62		5.538					
* 46 Fluorobenzene	96	5.708	5.698	0.010	98	571726	20.0	
48 Isopropyl acetate	43		5.715					
47 2,4,4-Trimethyl-1-pentene	55	5.708	5.723	-0.015	29	1206	0	
50 Trichloroethene	95	5.834	5.833	0.001	93	90408	9.86	
49 Methylcyclohexane	83		5.833					
51 2,4,4-Trimethyl-2-pentene	112		5.858					
52 Dibromomethane	93		6.170					
53 1,2-Dichloropropane	63		6.254					
54 Dichlorobromomethane	83		6.296					
55 Methyl methacrylate	69		6.406					
56 1,4-Dioxane	88		6.456					
57 n-Propyl acetate	43	6.508	6.507	0.001	69	959	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.785					
$ 60 Toluene-d8 (Surr)	98	6.930	6.928	0.002	84	498079	17.9	
61 Toluene	92		6.970					
63 4-Methyl-2-pentanone (MIBK)	43		7.248					
62 Tetrachloroethene	166		7.265					
64 trans-1,3-Dichloropropene	75		7.282					
65 Isobutyl acetate	43	7.334	7.333	0.001	38	268	0	
66 1,1,2-Trichloroethane	83		7.409					
67 Chlorodibromomethane	129		7.543					
68 1,3-Dichloropropane	76		7.619					
69 Ethylene Dibromide	107		7.737					
70 n-Butyl acetate	43	7.806	7.796	0.010	70	875	0	
71 2-Hexanone	43		7.889					
* 72 Chlorobenzene-d5	117	8.126	8.125	0.001	86	350385	20.0	
73 Chlorobenzene	112		8.133					
74 Ethylbenzene	91		8.150					
75 1,1,1,2-Tetrachloroethane	131		8.184					
76 m-Xylene & p-Xylene	91		8.260					
77 o-Xylene	91		8.588					
78 Styrene	104		8.630					
79 Bromoform	173		8.664					

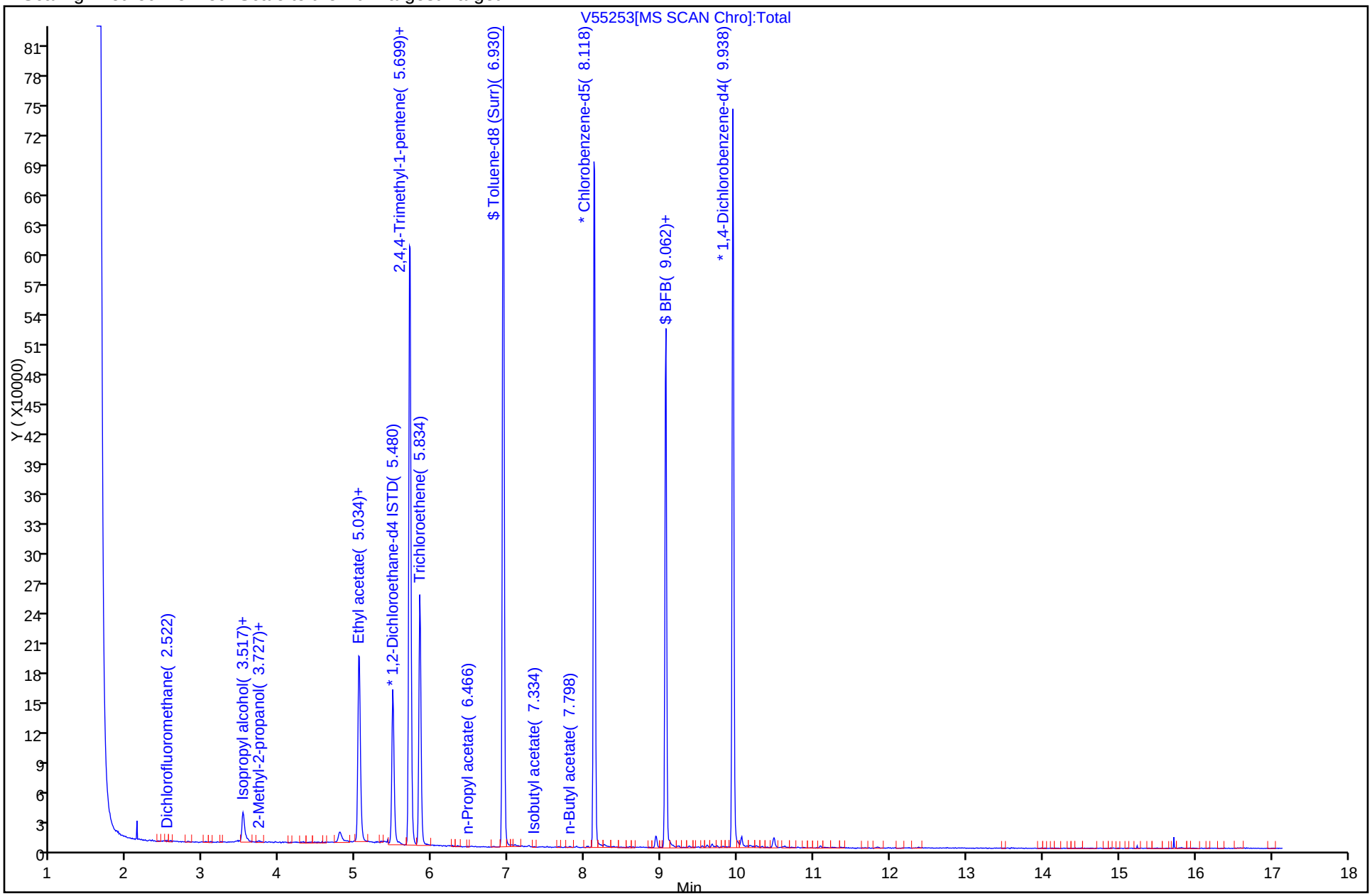
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.833					
$ 82 4-Bromofluorobenzene	95	9.062	9.060	0.002	82	193532	20.0	
83 Bromobenzene	77		9.144					
84 N-Propylbenzene	91		9.153					
85 1,1,2,2-Tetrachloroethane	83		9.203					
86 2-Chlorotoluene	91		9.279					
87 1,3,5-Trimethylbenzene	105		9.296					
88 1,2,3-Trichloropropane	110		9.321					
89 trans-1,4-Dichloro-2-butene	53		9.338					
90 4-Chlorotoluene	91		9.414					
91 tert-Butylbenzene	119		9.557					
92 1,2,4-Trimethylbenzene	105		9.608					
93 sec-Butylbenzene	105		9.692					
94 4-Isopropyltoluene	119		9.802					
95 1,3-Dichlorobenzene	146		9.878					
* 96 1,4-Dichlorobenzene-d4	115	9.938	9.937	0.001	98	109244	20.0	
97 1,4-Dichlorobenzene	146		9.953					
98 n-Butylbenzene	91		10.156					
99 1,2-Dichlorobenzene	146		10.324					
100 1,2-Dibromo-3-Chloropropane	157		11.125					
101 1,3,5-Trichlorobenzene	180		11.158					
102 Hexachlorobutadiene	225		11.925					
103 1,2,4-Trichlorobenzene	180		11.976					
104 Naphthalene	128		12.456					
105 1,2,3-Trichlorobenzene	180		12.760					

Report Date: 08-Dec-2011 08:36:21 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55253.D

Injection Date:	07-Dec-2011 01:46:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:	BC-SO-SB130-0810	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	84468	Lims Sample ID:	21
Operator ID:	BW		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Dec-2011 08:36:21 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55253.D

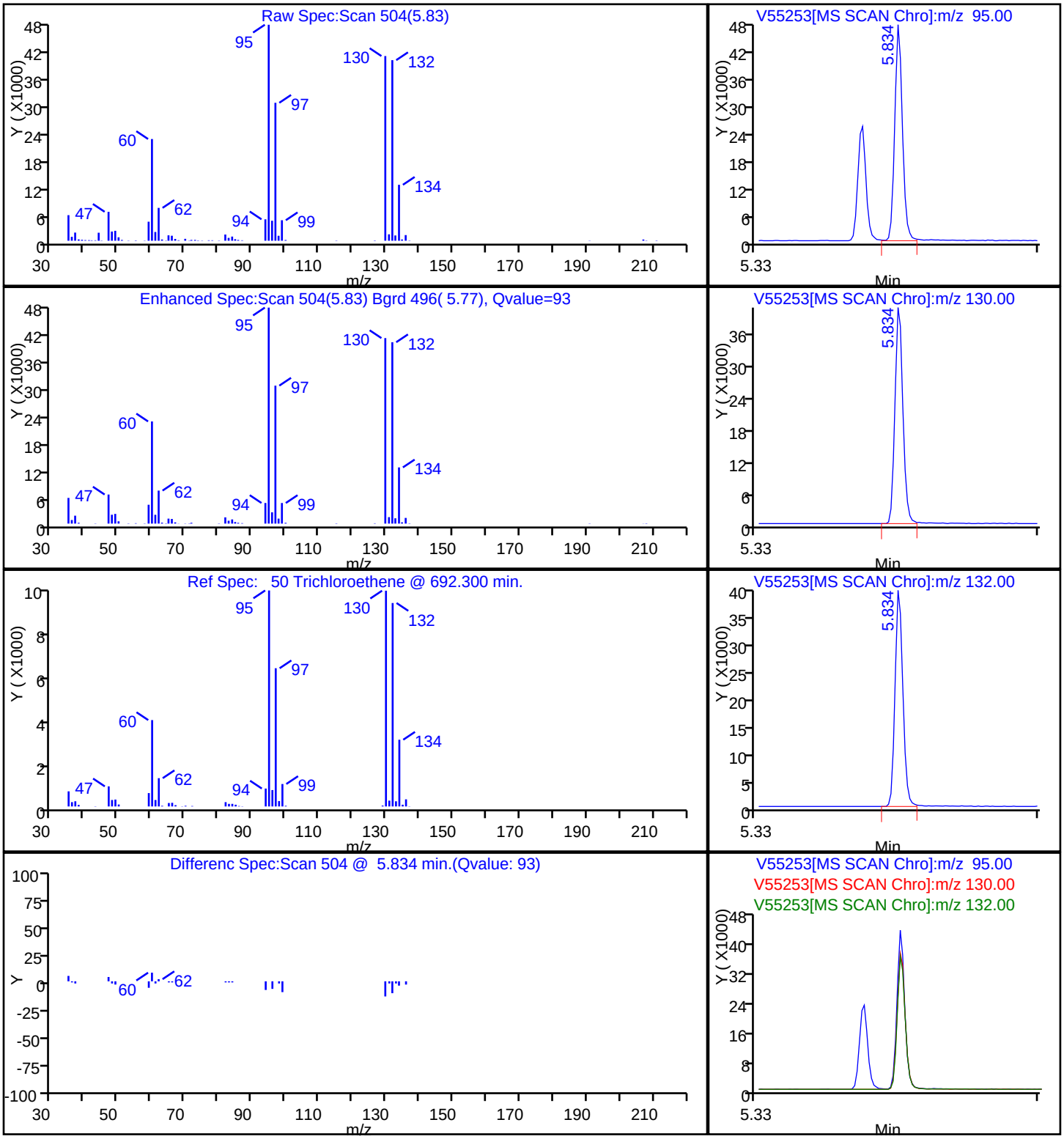
Injection Date: 07-Dec-2011 01:46:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-SO-SB130-0810 Instrument ID: HP #1 GC/MS

Lims Batch ID: 84468 Lims Sample ID: 21

Operator ID: BW

50 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-TB-112811 | Lab Sample ID: 360-37832-11

Matrix: Solid | Lab File ID: V55254.D

Analysis Method: 8260B | Date Collected: 11/28/2011 09:00

Sample wt/vol: 5(g) | Date Analyzed: 12/07/2011 02:11

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.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.2
71-55-6	1,1,1-Trichloroethane	ND		2.5	2.0
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		13	1.4
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.9
75-35-4	1,1-Dichloroethene	ND		2.5	1.6
563-58-6	1,1-Dichloropropene	ND		2.5	1.5
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	2.8
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
78-87-5	1,2-Dichloropropane	ND		2.5	1.6
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.5
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
594-20-7	2,2-Dichloropropane	ND		2.5	2.1
78-93-3	2-Butanone (MEK)	ND		25	11
95-49-8	2-Chlorotoluene	ND		2.5	1.3
591-78-6	2-Hexanone	ND		25	14
106-43-4	4-Chlorotoluene	ND		2.5	1.2
99-87-6	4-Isopropyltoluene	ND		2.5	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	25	10
67-64-1	Acetone	ND		250	100
107-13-1	Acrylonitrile	ND		25	2.4
71-43-2	Benzene	ND		2.5	1.6
108-86-1	Bromobenzene	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.6
74-83-9	Bromomethane	ND		5.0	2.3
75-15-0	Carbon disulfide	ND		2.5	1.9
56-23-5	Carbon tetrachloride	ND		2.5	1.7
108-90-7	Chlorobenzene	ND		2.5	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-TB-112811 | Lab Sample ID: 360-37832-11

Matrix: Solid | Lab File ID: V55254.D

Analysis Method: 8260B | Date Collected: 11/28/2011 09:00

Sample wt/vol: 5(g) | Date Analyzed: 12/07/2011 02:11

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.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.5	1.2
75-00-3	Chloroethane	ND		5.0	2.0
67-66-3	Chloroform	ND		2.5	1.5
74-87-3	Chloromethane	ND		5.0	1.6
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.2
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.3
75-27-4	Dichlorobromomethane	ND		2.5	1.3
75-71-8	Dichlorodifluoromethane	ND		5.0	2.1
100-41-4	Ethylbenzene	ND		2.5	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.1
87-68-3	Hexachlorobutadiene	ND		2.5	1.5
98-82-8	Isopropylbenzene	ND		2.5	1.5
179601-23-1	m-Xylene & p-Xylene	ND		5.0	3.5
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.5
75-09-2	Methylene Chloride	ND		10	9.8
104-51-8	n-Butylbenzene	ND		2.5	1.2
103-65-1	N-Propylbenzene	ND	*	2.5	1.7
91-20-3	Naphthalene	ND		25	2.3
95-47-6	o-Xylene	ND		2.5	1.3
135-98-8	sec-Butylbenzene	ND		2.5	1.4
100-42-5	Styrene	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.4
127-18-4	Tetrachloroethene	ND		2.5	1.8
109-99-9	Tetrahydrofuran	ND		50	12
108-88-3	Toluene	ND		2.5	1.8
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.6
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	5.0	2.1
79-01-6	Trichloroethene	ND		2.5	2.1
75-69-4	Trichlorofluoromethane	ND		5.0	1.4
75-01-4	Vinyl chloride	ND		2.5	1.7
1330-20-7	Xylenes, Total	ND		5.0	3.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-TB-112811 Lab Sample ID: 360-37832-11

Matrix: Solid Lab File ID: V55254.D

Analysis Method: 8260B Date Collected: 11/28/2011 09:00

Sample wt/vol: 5(g) Date Analyzed: 12/07/2011 02:11

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.: 84468 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane	97		70-130
2037-26-5	Toluene-d8 (Surr)	92		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55254.D
Lims ID: 360-37832-B-11-A
Client ID: BC-TB-112811
Inject. Date: 07-Dec-2011 02:11:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37832-B-11
Misc. Info.: 8260LL =8260LL
Operator: BW
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 22
Lims Batch ID: 84468
Lims Sample ID: 22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m
Last Update: 07-Dec-2011 16:51:25
Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE
ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb
Date: 08-Dec-2011 08:37:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.754					
2 Chloromethane	50		1.889					
3 Vinyl chloride	62		1.990					
4 Bromomethane	94		2.310					
5 Chloroethane	64		2.420					
6 Trichlorofluoromethane	101		2.504					
7 Dichlorofluoromethane	67		2.614					
8 Ethyl ether	59		2.791					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.984					
9 1,1-Dichloroethene	96		2.984					
11 Ethanol	45		3.010					
10 Carbon disulfide	76		3.018					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.077					
14 Acrolein	56		3.296					
15 Isopropyl alcohol	45	3.478	3.456	0.022	88	8048	0	
16 Methylene Chloride	84	3.520	3.515	0.005	98	17699	1.11	
17 Acetone	43		3.557					
18 trans-1,2-Dichloroethene	61		3.659					
19 Methyl acetate	43		3.667					
20 Hexane	57	3.739	3.726	0.013	46	615	0	
21 Methyl tert-butyl ether	73		3.751					
22 2-Methyl-2-propanol	59	3.815	3.827	-0.012	1	339	0	
23 Isopropyl ether	45		4.080					
24 1,1-Dichloroethane	63		4.198					
125 Halothane	117		4.232					
25 Acrylonitrile	53		4.240					
26 Tert-butyl ethyl ether	59		4.392					
27 Vinyl acetate	43		4.400					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.653					
29 2,2-Dichloropropane	77		4.754					
31 Chlorobromomethane	130		4.830					
30 Cyclohexane	56		4.830					
32 Chloroform	83		4.880					
34 Ethyl acetate	43	4.978	4.973	0.005	86	2736	0	
36 sec-Butyl Alcohol	45	5.045	5.007	0.038	1	225	0	
33 Carbon tetrachloride	117		5.007					
35 Tetrahydrofuran	42		5.015					
$ 37 Dibromofluoromethane	113	5.037	5.032	0.005	65	139967	19.3	
38 1,1,1-Trichloroethane	97		5.066					
39 2-Butanone (MEK)	43		5.142					
40 1,1-Dichloropropene	75		5.167					
41 n-Heptane	43		5.327					
42 Benzene	78		5.369					
43 Tert-amyl methyl ether	73		5.454					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.484	5.479	0.005	0	25816	20.0	
45 1,2-Dichloroethane	62		5.538					
* 46 Fluorobenzene	96	5.703	5.698	0.005	98	602117	20.0	
48 Isopropyl acetate	43		5.715					
47 2,4,4-Trimethyl-1-pentene	55	5.703	5.723	-0.020	27	827	0	
50 Trichloroethene	95	5.838	5.833	0.005	61	1734	0.1796	
49 Methylcyclohexane	83		5.833					
51 2,4,4-Trimethyl-2-pentene	112		5.858					
52 Dibromomethane	93		6.170					
53 1,2-Dichloropropane	63		6.254					
54 Dichlorobromomethane	83		6.296					
55 Methyl methacrylate	69		6.406					
56 1,4-Dioxane	88		6.456					
57 n-Propyl acetate	43	6.512	6.507	0.005	87	1496	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.785					
$ 60 Toluene-d8 (Surr)	98	6.933	6.928	0.005	84	534341	18.3	
61 Toluene	92		6.970					
63 4-Methyl-2-pentanone (MIBK)	43		7.248					
62 Tetrachloroethene	166		7.265					
64 trans-1,3-Dichloropropene	75		7.282					
65 Isobutyl acetate	43	7.329	7.333	-0.004	2	327	0	
66 1,1,2-Trichloroethane	83		7.409					
67 Chlorodibromomethane	129		7.543					
68 1,3-Dichloropropane	76		7.619					
69 Ethylene Dibromide	107		7.737					
70 n-Butyl acetate	43	7.801	7.796	0.005	56	1355	0	
71 2-Hexanone	43		7.889					
* 72 Chlorobenzene-d5	117	8.121	8.125	-0.004	89	390751	20.0	
73 Chlorobenzene	112		8.133					
74 Ethylbenzene	91		8.150					
75 1,1,1,2-Tetrachloroethane	131		8.184					
76 m-Xylene & p-Xylene	91		8.260					
77 o-Xylene	91		8.588					
78 Styrene	104		8.630					
79 Bromoform	173		8.664					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.833					
$ 82 4-Bromofluorobenzene	95	9.057	9.060	-0.003	77	211190	19.6	
83 Bromobenzene	77		9.144					
84 N-Propylbenzene	91		9.153					
85 1,1,2,2-Tetrachloroethane	83		9.203					
86 2-Chlorotoluene	91		9.279					
87 1,3,5-Trimethylbenzene	105		9.296					
88 1,2,3-Trichloropropane	110		9.321					
89 trans-1,4-Dichloro-2-butene	53		9.338					
90 4-Chlorotoluene	91		9.414					
91 tert-Butylbenzene	119		9.557					
92 1,2,4-Trimethylbenzene	105		9.608					
93 sec-Butylbenzene	105		9.692					
94 4-Isopropyltoluene	119		9.802					
95 1,3-Dichlorobenzene	146		9.878					
* 96 1,4-Dichlorobenzene-d4	115	9.941	9.937	0.004	98	118258	20.0	
97 1,4-Dichlorobenzene	146		9.953					
98 n-Butylbenzene	91		10.156					
99 1,2-Dichlorobenzene	146		10.324					
100 1,2-Dibromo-3-Chloropropane	157		11.125					
101 1,3,5-Trichlorobenzene	180		11.158					
102 Hexachlorobutadiene	225		11.925					
103 1,2,4-Trichlorobenzene	180		11.976					
104 Naphthalene	128		12.456					
105 1,2,3-Trichlorobenzene	180		12.760					

Report Date: 08-Dec-2011 08:37:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55254.D

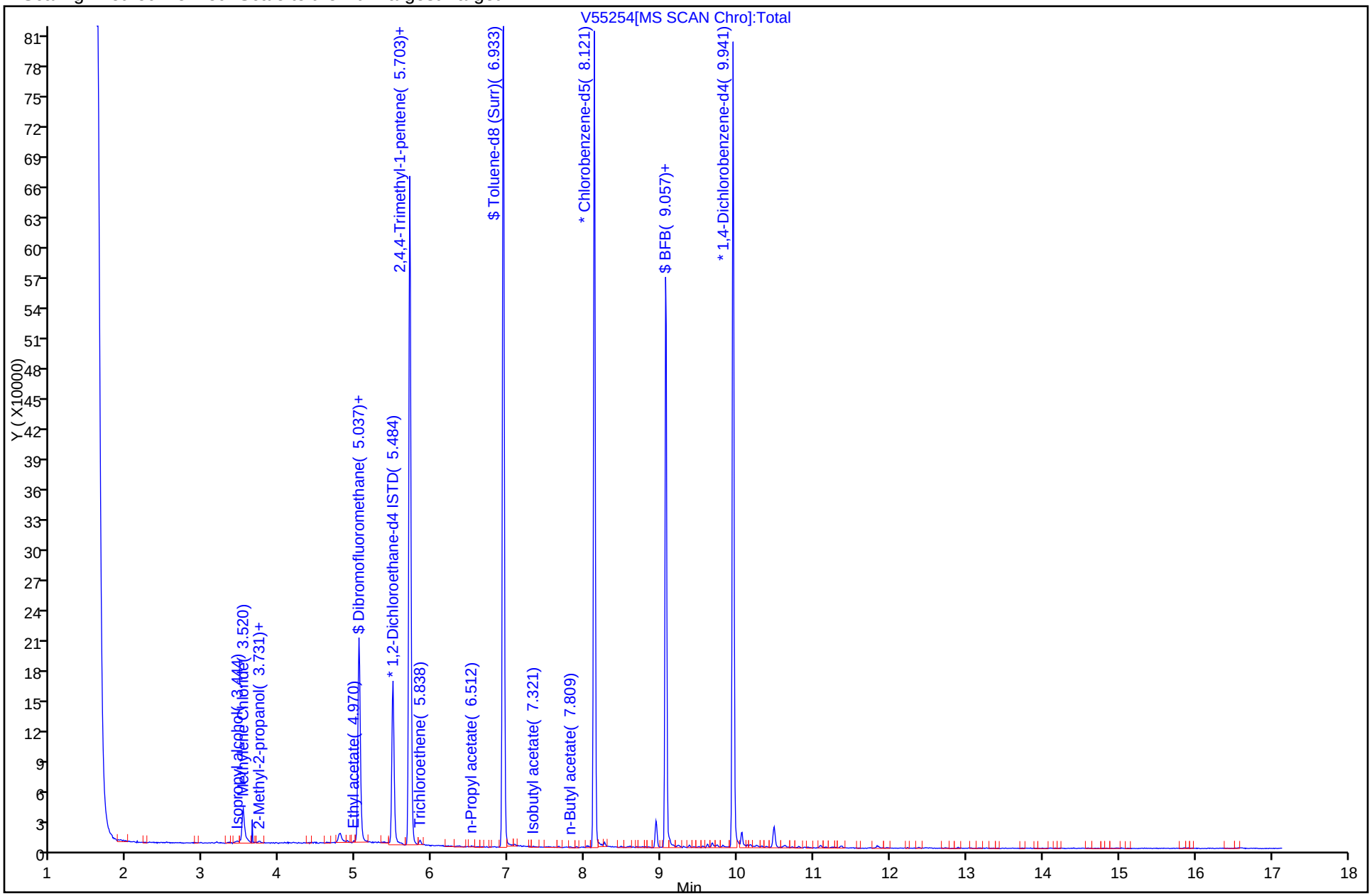
Injection Date: 07-Dec-2011 02:11:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-TB-112811 Instrument ID: HP #1 GC/MS

Lims Batch ID: 84468 Lims Sample ID: 22

Operator ID: BW

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 83953

SDG No.: 360-37832

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 360-83953/2	V55147.D
Level 2	STD1 360-83953/3	V55148.D
Level 3	STD5 360-83953/4	V55149.D
Level 4	STD10 360-83953/5	V55150.D
Level 5	STD20 360-83953/6	V55151.D
Level 6	STD40 360-83953/7	V55152.D
Level 7	STD160 360-83953/8	V55153.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	0.3961 0.4245	0.4289 0.5302	0.4796	0.4179	0.3942	Ave		0.4388				11.0		15.0			
Chloromethane	0.4960 0.5288	0.5315 0.6238	0.6269	0.5380	0.4958	Ave		0.5487			0.1000	10.0		15.0			
Vinyl chloride	0.4386 0.4303	0.4418 0.5029	0.5182	0.4380	0.4062	Ave		0.4537				9.0		15.0			
Bromomethane	0.3038 0.2615	0.3113 0.2510	0.3378	0.2830	0.2672	Ave		0.2879				11.0		15.0			
Chloroethane	0.2789 0.2200	0.2799 0.1902	0.3083	0.2512	0.2247	Lin	0.5249	0.1882							0.9980		0.9900
Trichlorofluoromethane	0.4526 0.4597	0.5014 0.4800	0.5490	0.4820	0.4400	Ave		0.4807				7.6		15.0			
1,1-Dichloroethene	0.3115 0.2734	0.2931 0.2811	0.3075	0.2839	0.2668	Ave		0.2882				5.8		15.0			
Carbon disulfide	0.8617 0.8242	0.8392 0.8237	0.9668	0.8589	0.8189	Ave		0.8562				6.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2053 0.1812	0.1850 0.2063	0.2006	0.1872	0.1810	Ave		0.1924				5.9		15.0			
Methylene Chloride	0.7797 0.3019	0.6241 0.3357	0.3714	0.3208	0.3082	Lin1	0.2306	0.3231							0.9970		0.9900
Acetone	1.3769 0.7640	1.0760 0.6706	0.7376	0.6399	0.7182	Lin2	3.5392	0.6838							0.9940		0.9900
trans-1,2-Dichloroethene	0.5029 0.4586	0.4686 0.4787	0.5395	0.4646	0.4516	Ave		0.4806				6.4		15.0			
Methyl acetate	0.0934 0.0981	0.0970 0.1085	0.0944	0.0894	0.0991	Ave		0.0971				6.2		15.0			
Methyl tert-butyl ether	0.5333 0.5582	0.5223 0.6572	0.5323	0.5104	0.5594	Ave		0.5533				8.9		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
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 83953

SDG No.: 360-37832

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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								
1,1-Dichloroethane	0.6166 0.5925	0.5946 0.6814	0.6479	0.5729	0.5649	Ave		0.6101			0.1000	6.9		15.0			
Acrylonitrile	0.0479 0.0495	0.0509 0.0582	0.0478	0.0424	0.0471	Ave		0.0491				9.8		15.0			
cis-1,2-Dichloroethene	0.4782 0.4446	0.4326 0.5226	0.4819	0.4330	0.4306	Ave		0.4605				7.6		15.0			
2,2-Dichloropropane	0.4706 0.3539	0.4203 0.3989	0.4301	0.3759	0.3839	Ave		0.4048				9.6		15.0			
Chloroform	0.5596 0.5245	0.5476 0.6007	0.5872	0.5298	0.5105	Ave		0.5514				6.0		15.0			
Carbon tetrachloride	0.3720 0.3343	0.3576 0.4059	0.3675	0.3246	0.3411	Ave		0.3576				7.7		15.0			
Tetrahydrofuran	0.0460 0.0366	0.0355 0.0440	0.0359	0.0335	0.0361	Ave		0.0382				12.0		15.0			
1,1,1-Trichloroethane	0.4636 0.4231	0.4313 0.5111	0.4606	0.4181	0.4163	Ave		0.4463				7.7		15.0			
2-Butanone (MEK)	1.2613 1.2596	1.3044 1.1281	1.1907	1.0895	1.1005	Ave		1.1906				7.3		15.0			
1,1-Dichloropropene	0.3760 0.4041	0.3738 0.4446	0.4312	0.3932	0.3849	Ave		0.4011				6.8		15.0			
Benzene	1.1565 1.1119	1.0668 1.2185	1.2175	1.0917	1.0879	Ave		1.1358				5.5		15.0			
1,2-Dichloroethane	0.2766 0.2800	0.2527 0.3676	0.2648	0.2447	0.2685	Ave		0.2793				15.0		15.0			
Methylcyclohexane	0.4986 0.4653	0.5269 0.4493	0.5987	0.5099	0.4787	Ave		0.5039				9.8		15.0			
Trichloroethene	0.3754 0.2928	0.3233 0.2839	0.3550	0.3089	0.3058	Ave		0.3207				10.0		15.0			
Dibromomethane	0.1313 0.1354	0.1099 0.1709	0.1276	0.1181	0.1301	Ave		0.1319				15.0		15.0			
1,2-Dichloropropane	0.2950 0.2396	0.2603 0.2094	0.2802	0.2481	0.2461	Ave		0.2541				11.0		15.0			
Dichlorobromomethane	0.3381 0.3419	0.2911 0.4333	0.3403	0.3057	0.3288	Ave		0.3399				13.0		15.0			
cis-1,3-Dichloropropene	0.3684 0.4117	0.3211 0.5075	0.3788	0.3456	0.3840	Ave		0.3882				15.0		15.0			
Toluene	0.7381 0.6941	0.6360 0.7596	0.7464	0.6628	0.6763	Ave		0.7019				6.7		15.0			
4-Methyl-2-pentanone (MIBK)	2.2127 2.4728	2.4193 1.7794	2.6534	2.3977	2.4595	Ave		2.3421				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
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 83953

SDG No.: 360-37832

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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								
Tetrachloroethene	0.2775 0.2585	0.2578 0.2667	0.2948	0.2638	0.2646	Ave		0.2691				4.9		15.0			
trans-1,3-Dichloropropene	0.2535 0.2669	0.2205 0.3318	0.2566	0.2284	0.2590	Ave		0.2595				14.0		15.0			
1,1,2-Trichloroethane	0.1223 0.1288	0.1168 0.1633	0.1225	0.1090	0.1261	Ave		0.1270				14.0		15.0			
Chlorodibromomethane	0.1772 0.2035	0.1511 0.2696	0.1753	0.1674	0.1926	Lin	-0.916	0.2720							0.9960		0.9900
1,3-Dichloropropane	0.2538 0.2771	0.2152 0.3677	0.2482	0.2279	0.2618	Lin	-1.245	0.3710							0.9960		0.9900
Ethylene Dibromide	0.1286 0.1557	0.1195 0.2135	0.1356	0.1263	0.1504	Lin	-0.777	0.2155							0.9950		0.9900
2-Hexanone	1.4846 1.6594	1.6674 1.4770	1.5341	1.4106	1.5644	Ave		1.5425				6.2		15.0			
Chlorobenzene	1.0200 0.9396	0.9979 0.8208	1.1398	0.9932	0.9734	Ave		0.9835			0.3000	9.7		15.0			
Ethylbenzene	2.0149 1.6765	1.9689 1.3615	2.1982	1.9095	1.7880	Ave		1.8454				15.0		15.0			
1,1,1,2-Tetrachloroethane	0.3500 0.3521	0.3613 0.3504	0.4106	0.3660	0.3612	Ave		0.3645				5.8		15.0			
m-Xylene & p-Xylene	1.4910 1.2714	1.4722 1.0142	1.7135	1.4893	1.3805	Lin	8.5241	1.0004							0.9950		0.9900
o-Xylene	1.6238 1.4776	1.6079 1.2639	1.8294	1.6395	1.5613	Ave		1.5719				11.0		15.0			
Styrene	1.0909 1.1185	1.1302 0.9852	1.2759	1.1633	1.1580	Ave		1.1317				7.7		15.0			
Bromoform	0.4394 0.5350	0.3989 0.6715	0.4792	0.4641	0.5215	Lin	-1.864	0.6764			0.1000				0.9970		0.9900
Isopropylbenzene	1.9314 1.8562	1.9509 1.5874	2.2869	2.0877	1.9560	Ave		1.9509				11.0		15.0			
Bromobenzene	0.7287 0.6591	0.7238 0.5368	0.8486	0.7486	0.7198	Ave		0.7093				13.0		15.0			
N-Propylbenzene	2.3822 2.0327	2.3973 1.5395	2.7737	2.4534	2.2560	Lin	8.1123	1.5135							0.9930		0.9900
1,1,2,2-Tetrachloroethane	0.7712 0.8950	0.7878 0.9967	0.8498	0.8072	0.8628	Ave		0.8529			0.3000	9.0		15.0			
2-Chlorotoluene	1.6327 1.3817	1.6286 1.0896	1.8511	1.6346	1.5057	Lin	4.8234	1.0740							0.9950		0.9900
1,3,5-Trimethylbenzene	1.6034 1.4128	1.6221 1.0988	1.9111	1.6984	1.5555	Lin	5.2167	1.0819							0.9940		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
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 83953

SDG No.: 360-37832

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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-Trichloropropane	0.0826 0.0689	0.0675 0.0659	0.0775	0.0653	0.0696	Ave		0.0710				9.2		15.0			
trans-1,4-Dichloro-2-butene	0.0745 0.0431	0.0638 0.0334	0.0611	0.0612	0.0639	Qua	0.0813	0.0491	0						0.9950		0.9900
4-Chlorotoluene	1.4801 1.3736	1.4706 1.1639	1.6443	1.5143	1.4423	Ave		1.4413				10.0		15.0			
tert-Butylbenzene	1.3153 1.2458	1.3128 1.0462	1.5516	1.4253	1.3277	Ave		1.3178				12.0		15.0			
1,2,4-Trimethylbenzene	2.2329 1.4766	1.7054 1.2321	2.6314	2.3764	1.5981	Lin	6.1506	1.2044							0.9960		0.9900
sec-Butylbenzene	2.2345 1.9965	2.2257 1.6254	2.6353	2.3831	2.1738	Ave		2.1820				14.0		15.0			
4-Isopropyltoluene	1.6452 1.5378	1.6891 1.2653	1.9776	1.7914	1.6752	Ave		1.6545				13.0		15.0			
1,3-Dichlorobenzene	0.8906 0.7882	0.9009 0.6726	0.9935	0.8918	0.8526	Ave		0.8558				12.0		15.0			
1,4-Dichlorobenzene	2.6755 2.5865	2.6036 2.5599	3.0740	2.7405	2.7235	Ave		2.7091				6.5		15.0			
n-Butylbenzene	5.4159 5.3956	5.4101 4.6703	6.5984	6.1801	5.7477	Ave		5.6312				11.0		15.0			
1,2-Dichlorobenzene	2.3287 2.3706	2.3172 2.3201	2.6528	2.4907	2.4720	Ave		2.4217				5.1		15.0			
1,2-Dibromo-3-Chloropropane	0.1424 0.1485	0.1159 0.1722	0.1261	0.1263	0.1463	Ave		0.1397				13.0		15.0			
Hexachlorobutadiene	0.8693 0.9804	0.8741 0.9748	1.0583	1.0121	0.9872	Ave		0.9652				7.2		15.0			
1,2,4-Trichlorobenzene	1.3016 1.4471	1.2698 1.5445	1.5150	1.4464	1.5087	Ave		1.4333				7.5		15.0			
Naphthalene	1.8440 2.2137	1.7088 2.5132	1.8758	1.9410	2.2076	Ave		2.0435				14.0		15.0			
1,2,3-Trichlorobenzene	0.9086 1.1733	0.9506 1.2993	1.1316	1.1082	1.1884	Ave		1.1086				12.0		15.0			
Dibromofluoromethane	0.2514 0.2376	0.2397 0.2631	0.2316	0.2321	0.2318	Ave		0.2411				5.0		15.0			
Toluene-d8 (Surr)	0.8828 1.0135	0.8585 1.3161	0.8934	0.8961	0.9448	Ave		0.9722				16.0	*	15.0			
4-Bromofluorobenzene	0.5546 0.5498	0.5517 0.5889	0.5352	0.5359	0.5449	Ave		0.5516				3.3		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
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 83953

SDG No.: 360-37832

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 360-83953/2	V55147.D
Level 2	STD1 360-83953/3	V55148.D
Level 3	STD5 360-83953/4	V55149.D
Level 4	STD10 360-83953/5	V55150.D
Level 5	STD20 360-83953/6	V55151.D
Level 6	STD40 360-83953/7	V55152.D
Level 7	STD160 360-83953/8	V55153.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	Ave	8107 548125	14789 2039075	79779	137662	259571	0.500 40.0	1.00 160	5.00	10.0	20.0
Chloromethane	FB	Ave	10153 682828	18327 2398826	104290	177246	326495	0.500 40.0	1.00 160	5.00	10.0	20.0
Vinyl chloride	FB	Ave	8977 555687	15233 1934020	86199	144303	267486	0.500 40.0	1.00 160	5.00	10.0	20.0
Bromomethane	FB	Ave	6218 337694	10733 965252	56196	93234	175955	0.500 40.0	1.00 160	5.00	10.0	20.0
Chloroethane	FB	Lin	5709 284049	9650 731258	51287	82759	147942	0.500 40.0	1.00 160	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	9263 593594	17290 1845975	91329	158778	289705	0.500 40.0	1.00 160	5.00	10.0	20.0
1,1-Dichloroethene	FB	Ave	6375 353046	10105 1081100	51154	93517	175706	0.500 40.0	1.00 160	5.00	10.0	20.0
Carbon disulfide	FB	Ave	17637 1064297	28935 3167767	160822	282941	539252	0.500 40.0	1.00 160	5.00	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	4203 233987	6378 793162	33362	61673	119208	0.500 40.0	1.00 160	5.00	10.0	20.0
Methylene Chloride	FB	Lin1	15959 389866	21519 1291127	61774	105683	202914	0.500 40.0	1.00 160	5.00	10.0	20.0
Acetone	12DC E	Lin2	14318 475284	16776 1552956	54171	94620	222353	5.00 400	10.0 1600	50.0	100	200
trans-1,2-Dichloroethene	FB	Ave	10294 592247	16156 1840768	89743	153052	297350	0.500 40.0	1.00 160	5.00	10.0	20.0
Methyl acetate	FB	Ave	19109 1266735	33442 4170868	157014	294487	652479	5.00 400	10.0 1600	50.0	100	200
Methyl tert-butyl ether	FB	Ave	10915 720808	18009 2527359	88540	168150	368388	0.500 40.0	1.00 160	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	12620 765079	20501 2620436	107781	188736	371953	0.500 40.0	1.00 160	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 83953

SDG No.: 360-37832

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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
Acrylonitrile	FB	Ave	981 63885	1755 223832	7946	13960	30992	0.500 40.0	1.00 160	5.00	10.0	20.0
cis-1,2-Dichloroethene	FB	Ave	9787 574113	14917 2009554	80170	142631	283557	0.500 40.0	1.00 160	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	9632 456966	14491 1534015	71546	123832	252820	0.500 40.0	1.00 160	5.00	10.0	20.0
Chloroform	FB	Ave	11453 677292	18880 2310165	97680	174532	336177	0.500 40.0	1.00 160	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	7615 431690	12331 1560872	61139	106931	224612	0.500 40.0	1.00 160	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	9416 472336	12232 1692351	59669	110382	237474	5.00 400	10.0 1600	50.0	100	200
1,1,1-Trichloroethane	FB	Ave	9489 546311	14870 1965292	76626	137738	274117	0.500 40.0	1.00 160	5.00	10.0	20.0
2-Butanone (MEK)	12DCE	Ave	13116 783592	20337 2612281	87445	161103	340740	5.00 400	10.0 1600	50.0	100	200
1,1-Dichloropropene	FB	Ave	7695 521876	12888 1709909	71727	129518	253434	0.500 40.0	1.00 160	5.00	10.0	20.0
Benzene	FB	Ave	23672 1435822	36784 4685680	202526	359647	716359	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	5662 361568	8712 1413480	44050	80619	176788	0.500 40.0	1.00 160	5.00	10.0	20.0
Methylcyclohexane	FB	Ave	10205 600837	18169 1727872	99590	167994	315203	0.500 40.0	1.00 160	5.00	10.0	20.0
Trichloroethene	FB	Ave	7684 378047	11149 1091835	59049	101761	201379	0.500 40.0	1.00 160	5.00	10.0	20.0
Dibromomethane	FB	Ave	2688 174837	3790 657249	21231	38900	85670	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	6039 309402	8976 805186	46609	81737	162070	0.500 40.0	1.00 160	5.00	10.0	20.0
Dichlorobromomethane	FB	Ave	6921 441476	10037 1666358	56601	100710	216484	0.500 40.0	1.00 160	5.00	10.0	20.0
cis-1,3-Dichloropropene	FB	Ave	7541 531697	11072 1951772	63015	113848	252830	0.500 40.0	1.00 160	5.00	10.0	20.0
Toluene	FB	Ave	15108 896345	21929 2920969	124162	218340	445339	0.500 40.0	1.00 160	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	12DCE	Ave	23010 1538299	37719 4120602	194860	354564	761485	5.00 400	10.0 1600	50.0	100	200
Tetrachloroethene	FB	Ave	5680 333774	8889 1025536	49039	86891	174221	0.500 40.0	1.00 160	5.00	10.0	20.0
trans-1,3-Dichloropropene	FB	Ave	5188 344719	7602 1276012	42690	75229	170536	0.500 40.0	1.00 160	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 83953

SDG No.: 360-37832

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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
1,1,2-Trichloroethane	FB	Ave	2504 166320	4026 627971	20370	35918	83040	0.500 40.0	1.00 160	5.00	10.0	20.0
Chlorodibromomethane	FB	Lin	3627 262850	5209 1036588	29165	55159	126808	0.500 40.0	1.00 160	5.00	10.0	20.0
1,3-Dichloropropane	FB	Lin	5195 357846	7421 1414153	41290	75084	172380	0.500 40.0	1.00 160	5.00	10.0	20.0
Ethylene Dibromide	FB	Lin	2632 201085	4119 820920	22565	41600	99039	0.500 40.0	1.00 160	5.00	10.0	20.0
2-Hexanone	12DCE	Ave	15438 1032292	25997 3420228	112664	208587	484356	5.00 400	10.0 1600	50.0	100	200
Chlorobenzene	CBZ	Ave	14045 833878	21397 2507876	118086	203799	429826	0.500 40.0	1.00 160	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	27745 1487829	42217 4159930	227741	391841	789518	0.500 40.0	1.00 160	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	4819 312446	7748 1070719	42536	75094	159500	0.500 40.0	1.00 160	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Lin	41061 2256678	63135 6198077	355039	611206	1219190	1.00 80.0	2.00 320	10.0	20.0	40.0
o-Xylene	CBZ	Ave	22360 1311272	34478 3861926	189534	336428	689452	0.500 40.0	1.00 160	5.00	10.0	20.0
Styrene	CBZ	Ave	15022 992643	24235 3010229	132186	238707	511329	0.500 40.0	1.00 160	5.00	10.0	20.0
Bromoform	DCB	Lin	1941 138359	2831 536897	15653	29539	70068	0.500 40.0	1.00 160	5.00	10.0	20.0
Isopropylbenzene	CBZ	Ave	26595 1647316	41831 4850336	236929	428394	863717	0.500 40.0	1.00 160	5.00	10.0	20.0
Bromobenzene	CBZ	Ave	10034 584913	15519 1640079	87915	153617	317854	0.500 40.0	1.00 160	5.00	10.0	20.0
N-Propylbenzene	CBZ	Lin	32802 1803946	51404 4703920	287359	503445	996204	0.500 40.0	1.00 160	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	3407 231466	5592 796889	27755	51375	115917	0.500 40.0	1.00 160	5.00	10.0	20.0
2-Chlorotoluene	CBZ	Lin	22482 1226160	34920 3329280	191779	335423	664878	0.500 40.0	1.00 160	5.00	10.0	20.0
1,3,5-Trimethylbenzene	CBZ	Lin	22078 1253812	34782 3357357	197991	348505	686848	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2,3-Trichloropropane	CBZ	Ave	1137 61115	1447 201266	8032	13391	30730	0.500 40.0	1.00 160	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	CBZ	Qua	1026 38223	1368 102128	6330	12563	28234	0.500 40.0	1.00 160	5.00	10.0	20.0
4-Chlorotoluene	CBZ	Ave	20380 1218970	31534 3556224	170349	310727	636863	0.500 40.0	1.00 160	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 83953

SDG No.: 360-37832

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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
tert-Butylbenzene	CBZ	Ave	18112 1105616	28150 3196797	160753	292464	586265	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2,4-Trimethylbenzene	CBZ	Lin	30747 1310415	36568 3764708	272622	487651	705660	0.500 40.0	1.00 160	5.00	10.0	20.0
sec-Butylbenzene	CBZ	Ave	30768 1771796	47724 4966512	273024	489022	959886	0.500 40.0	1.00 160	5.00	10.0	20.0
4-Isopropyltoluene	CBZ	Ave	22654 1364727	36219 3866013	204883	367596	739732	0.500 40.0	1.00 160	5.00	10.0	20.0
1,3-Dichlorobenzene	CBZ	Ave	12263 699523	19318 2055185	102926	182998	376508	0.500 40.0	1.00 160	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	11819 668906	18480 2046697	100404	174420	365912	0.500 40.0	1.00 160	5.00	10.0	20.0
n-Butylbenzene	DCB	Ave	23925 1395366	38400 3734008	215519	393331	772231	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	10287 613061	16447 1854945	86645	158522	332121	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	629 38393	823 137701	4120	8038	19661	0.500 40.0	1.00 160	5.00	10.0	20.0
Hexachlorobutadiene	DCB	Ave	3840 253546	6204 779353	34566	64414	132631	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	5750 374244	9013 1234863	49483	92059	202695	0.500 40.0	1.00 160	5.00	10.0	20.0
Naphthalene	DCB	Ave	8146 572491	12129 2009403	61267	123533	296603	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	4014 303429	6747 1038866	36962	70534	159667	0.500 40.0	1.00 160	5.00	10.0	20.0
Dibromofluoromethane	FB	Ave	205791 153429	165275 126478	154131	152942	152667	20.0 20.0	20.0 20.0	20.0	20.0	20.0
Toluene-d8 (Surr)	FB	Ave	722807 654363	592021 632644	594493	590442	622157	20.0 20.0	20.0 20.0	20.0	20.0	20.0
4-Bromofluorobenzene	CBZ	Ave	305466 243959	236591 224905	221796	219948	240623	20.0 20.0	20.0 20.0	20.0	20.0	20.0

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\20111129-7280.b\V55147.D
Lims ID: STD05 Client ID:
Inject. Date: 28-Nov-2011 17:05:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD05
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 83953 Lims Sample ID: 2
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 14:21:29 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 29-Nov-2011 09:08:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.719	1.747	-0.028	0	8107	0.4514	M
2 Chloromethane	50	1.862	1.865	-0.003	88	10153	0.4520	
3 Vinyl chloride	62	1.972	1.975	-0.003	58	8977	0.4833	
4 Bromomethane	94	2.283	2.295	-0.012	79	6218	0.5275	
5 Chloroethane	64	2.401	2.396	0.005	0	5709	-2.05	M
6 Trichlorofluoromethane	101	2.502	2.506	-0.004	70	9263	0.4708	
7 Dichlorofluoromethane	67	2.595	2.607	-0.012	56	12230	0	
8 Ethyl ether	59	2.789	2.792	-0.003	89	3781	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.974	2.978	-0.004	57	5189	0	
9 1,1-Dichloroethene	96	2.983	2.986	-0.003	87	6375	0.5404	
11 Ethanol	45	2.974	3.003	-0.029	13	1277	0	
10 Carbon disulfide	76	3.008	3.011	-0.003	96	17637	0.5032	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.076	3.070	0.006	31	4203	0.5337	
14 Acrolein	56	3.295	3.289	0.006	93	23281	0	
15 Isopropyl alcohol	45	3.472	3.466	0.006	93	12478	0	
16 Methylene Chloride	84	3.514	3.509	0.006	86	15959	0.4928	
17 Acetone	43	3.556	3.559	-0.003	88	14318	4.89	
18 trans-1,2-Dichloroethene	61	3.657	3.652	0.005	84	10294	0.5232	
19 Methyl acetate	43	3.657	3.660	-0.003	96	19109	4.81	
20 Hexane	57	3.724	3.719	0.005	68	12128	0	
21 Methyl tert-butyl ether	73	3.750	3.744	0.006	55	10915	0.4819	
22 2-Methyl-2-propanol	59	3.851	3.837	0.014	8	4133	0	
23 Isopropyl ether	45	4.070	4.073	-0.003	98	20862	0	
24 1,1-Dichloroethane	63	4.196	4.191	0.005	82	12620	0.5053	
125 Halothane	117	4.230	4.233	-0.003	80	4390	0	
25 Acrylonitrile	53	4.247	4.242	0.005	50	981	0.4881	
26 Tert-butyl ethyl ether	59	4.390	4.385	0.005	42	16462	0	
27 Vinyl acetate	43	4.399	4.393	0.006	97	60235	0	
28 cis-1,2-Dichloroethene	61	4.651	4.646	0.005	80	9787	0.5192	
29 2,2-Dichloropropane	77	4.752	4.747	0.005	70	9632	0.5813	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.820	4.823	-0.003	56	3196	0	
30 Cyclohexane	56	4.828	4.832	-0.004	86	10379	0	
32 Chloroform	83	4.879	4.874	0.005	64	11453	0.5074	
34 Ethyl acetate	43	4.972	4.966	0.006	98	23252	0	
36 sec-Butyl Alcohol	45	4.997	5.000	-0.003	55	11199	0	
33 Carbon tetrachloride	117	5.005	5.000	0.005	0	7615	0.5202	M
35 Tetrahydrofuran	42	5.014	5.008	0.006	37	9416	6.02	
$ 37 Dibromofluoromethane	113	5.031	5.022	0.009	70	205791	20.9	
38 1,1,1-Trichloroethane	97	5.064	5.059	0.005	52	9489	0.5194	
39 2-Butanone (MEK)	43	5.132	5.135	-0.003	99	13116	5.30	
40 1,1-Dichloropropene	75	5.157	5.160	-0.003	85	7695	0.4686	
41 n-Heptane	43	5.317	5.320	-0.003	89	8006	0	
42 Benzene	78	5.368	5.362	0.006	95	23672	0.5091	
43 Tert-amyl methyl ether	73	5.443	5.447	-0.004	96	12203	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.477	5.469	0.008	0	41596	20.0	
45 1,2-Dichloroethane	62	5.528	5.531	-0.003	19	5662	0.4953	
* 46 Fluorobenzene	96	5.696	5.688	0.008	99	818723	20.0	
48 Isopropyl acetate	43	5.705	5.708	-0.003	39	44513	0	
47 2,4,4-Trimethyl-1-pentene	55	5.722	5.725	-0.003	45	5565	0	
50 Trichloroethene	95	5.831	5.826	0.005	54	7684	0.5852	
49 Methylcyclohexane	83	5.831	5.826	0.005	88	10205	0.4947	
51 2,4,4-Trimethyl-2-pentene	112	5.848	5.851	-0.003	89	3293	0	
52 Dibromomethane	93	6.168	6.171	-0.003	71	2688	0.4978	
53 1,2-Dichloropropane	63	6.244	6.247	-0.003	60	6039	0.5805	
54 Dichlorobromomethane	83	6.286	6.289	-0.003	86	6921	0.4974	
55 Methyl methacrylate	69	6.396	6.399	-0.003	84	2137	0	
56 1,4-Dioxane	88	6.455	6.449	0.006	22	211	0	
57 n-Propyl acetate	43	6.505	6.500	0.005	98	29716	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.775	6.778	-0.003	84	7541	0.4746	
$ 60 Toluene-d8 (Surr)	98	6.927	6.918	0.009	83	722807	18.2	
61 Toluene	92	6.969	6.964	0.005	90	15108	0.5258	
63 4-Methyl-2-pentanone (MIBK)	43	7.247	7.242	0.005	95	23010	4.72	
62 Tetrachloroethene	166	7.264	7.258	0.006	88	5680	0.5156	
64 trans-1,3-Dichloropropene	75	7.272	7.275	-0.003	84	5188	0.4883	
65 Isobutyl acetate	43	7.323	7.326	-0.003	95	61840	0	
66 1,1,2-Trichloroethane	83	7.407	7.402	0.005	78	2504	0.4818	
67 Chlorodibromomethane	129	7.542	7.537	0.005	72	3627	3.69	
68 1,3-Dichloropropane	76	7.618	7.612	0.006	79	5195	3.70	
69 Ethylene Dibromide	107	7.736	7.730	0.006	78	2632	3.91	
70 n-Butyl acetate	43	7.795	7.798	-0.003	98	34312	0	
71 2-Hexanone	43	7.879	7.882	-0.003	94	15438	4.81	
* 72 Chlorobenzene-d5	117	8.115	8.115	0.0	85	550791	20.0	
73 Chlorobenzene	112	8.132	8.126	0.006	42	14045	0.5185	
74 Ethylbenzene	91	8.140	8.143	-0.003	73	27745	0.5459	
75 1,1,1,2-Tetrachloroethane	131	8.174	8.177	-0.003	27	4819	0.4801	
76 m-Xylene & p-Xylene	91	8.250	8.253	-0.003	98	41061	-7.03	
77 o-Xylene	91	8.587	8.581	0.006	96	22360	0.5165	
78 Styrene	104	8.629	8.624	0.005	89	15022	0.4820	
79 Bromoform	173	8.654	8.657	-0.003	66	1941	3.08	
80 Isopropylbenzene	105	8.823	8.826	-0.003	93	26595	0.4950	
$ 82 4-Bromofluorobenzene	95	9.050	9.050	0.0	83	305466	20.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	9.050	9.053	-0.003	0	305466	0	
83 Bromobenzene	77	9.143	9.138	0.005	38	10034	0.5137	
84 N-Propylbenzene	91	9.143	9.146	-0.003	94	32802	-4.57	
85 1,1,2,2-Tetrachloroethane	83	9.202	9.197	0.005	51	3407	0.4521	
86 2-Chlorotoluene	91	9.278	9.272	0.006	95	22482	-3.73	
87 1,3,5-Trimethylbenzene	105	9.295	9.289	0.006	92	22078	-4.08	
88 1,2,3-Trichloropropane	110	9.311	9.315	-0.004	1	1137	0.5813	
89 trans-1,4-Dichloro-2-butene	53	9.337	9.331	0.006	1	1026	-0.8969	
90 4-Chlorotoluene	91	9.404	9.407	-0.003	92	20380	0.5135	
91 tert-Butylbenzene	119	9.547	9.551	-0.004	88	18112	0.4991	
92 1,2,4-Trimethylbenzene	105	9.691	9.601	0.090	65	30747	-4.18	
93 sec-Butylbenzene	105	9.691	9.685	0.006	93	30768	0.5120	
94 4-Isopropyltoluene	119	9.800	9.795	0.005	94	22654	0.4972	
95 1,3-Dichlorobenzene	146	9.876	9.871	0.005	96	12263	0.5203	
* 96 1,4-Dichlorobenzene-d4	115	9.935	9.935	0.0	95	176702	20.0	
97 1,4-Dichlorobenzene	146	9.952	9.947	0.005	39	11819	0.4938	
98 n-Butylbenzene	91	10.154	10.149	0.005	93	23925	0.4809	
99 1,2-Dichlorobenzene	146	10.323	10.317	0.006	94	10287	0.4808	
100 1,2-Dibromo-3-Chloropropane	157	11.123	11.118	0.005	22	629	0.5097	
101 1,3,5-Trichlorobenzene	180	11.157	11.152	0.005	93	7025	0	
102 Hexachlorobutadiene	225	11.924	11.918	0.006	70	3840	0.4503	
103 1,2,4-Trichlorobenzene	180	11.966	11.969	-0.003	81	5750	0.4541	
104 Naphthalene	128	12.463	12.458	0.005	82	8146	0.4512	
105 1,2,3-Trichlorobenzene	180	12.750	12.753	-0.003	78	4014	0.4098	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Nov-2011 14:21:30 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55147.D

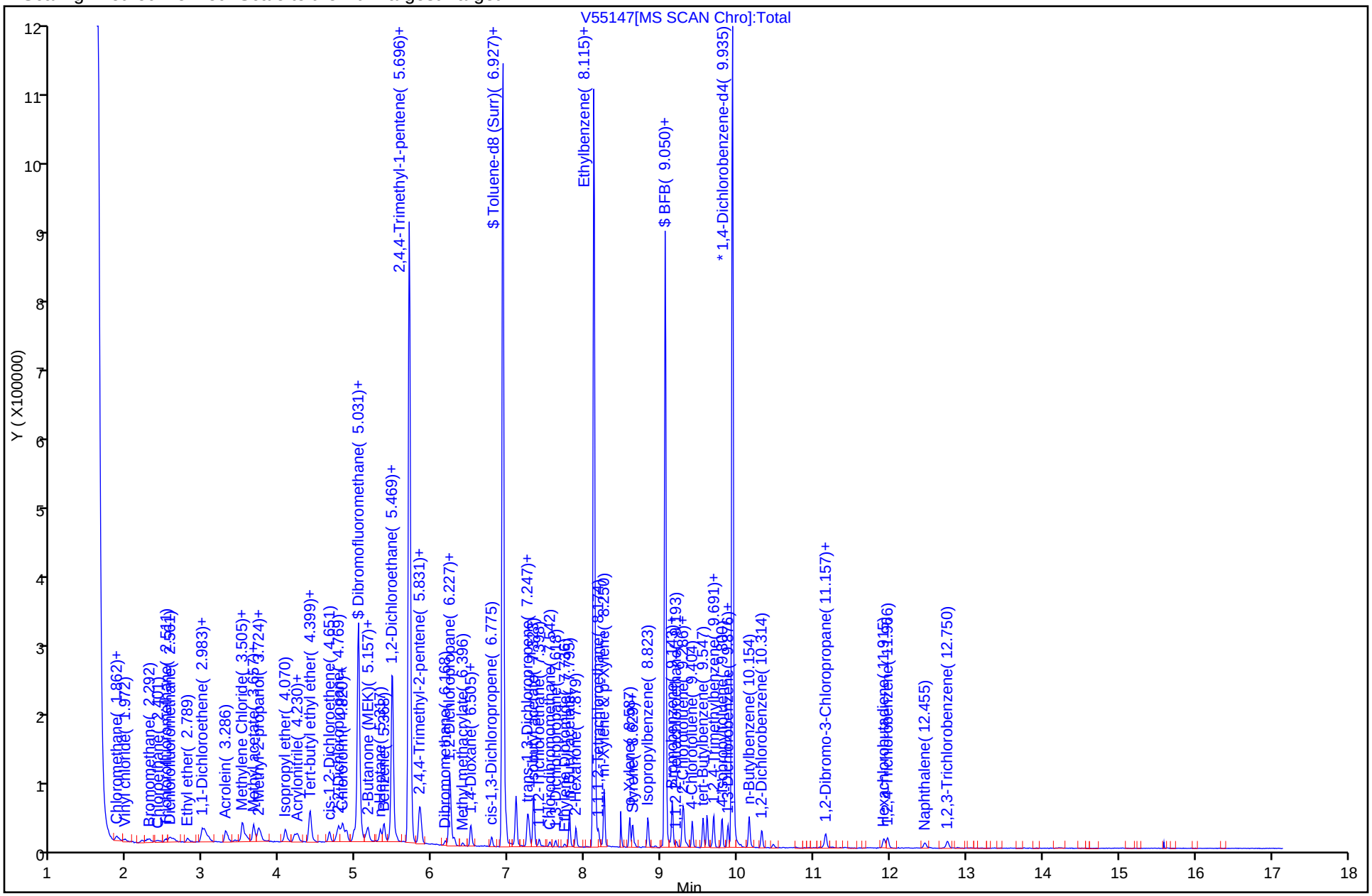
Injection Date: 28-Nov-2011 17:05:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 2

Operator ID: bw

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 30-Nov-2011 14:21:30 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55147.D

Injection Date: 28-Nov-2011 17:05:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 2

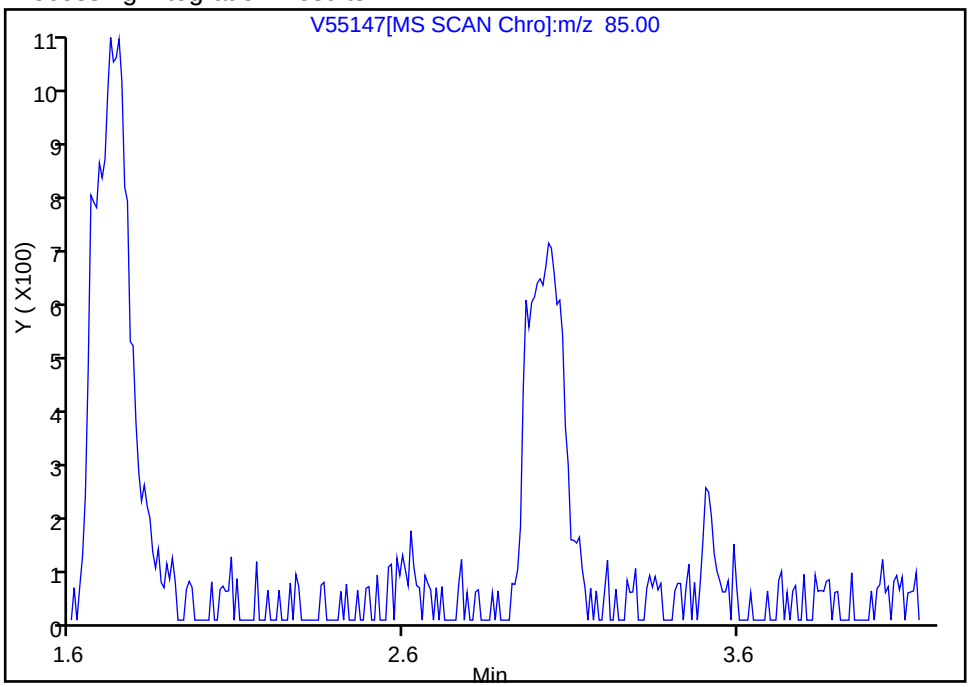
Operator ID: bw

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

Not Detected

Expected RT: 1.75

Processing Integration Results

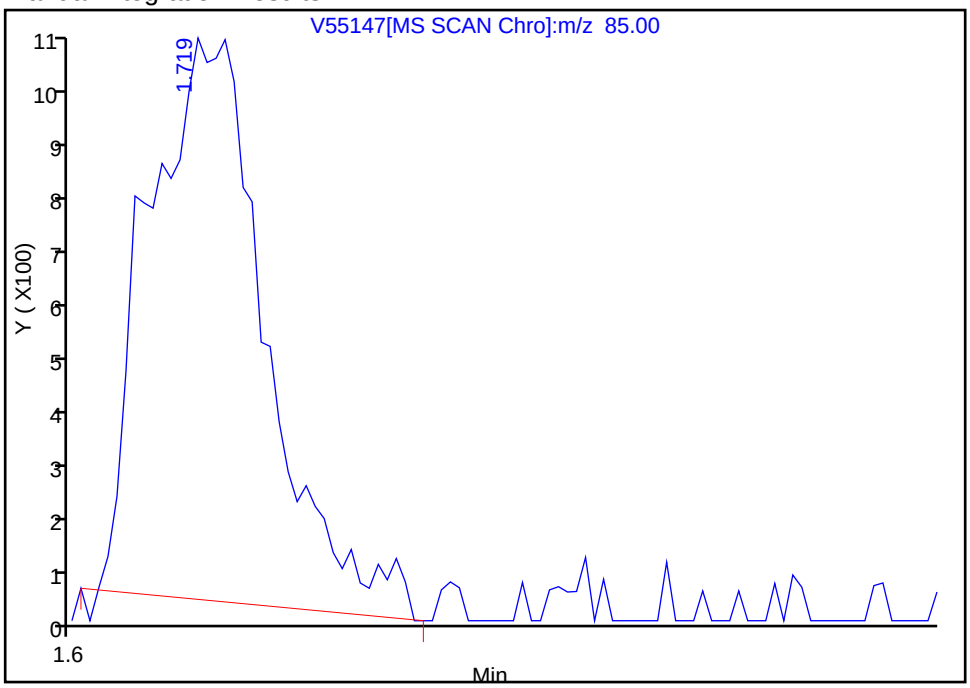


Manual Integration Results

RT: 1.72

Response: 8107

Amount: 0.451360



Reviewer: weigelb, 29-Nov-2011 09:08:32

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 30-Nov-2011 14:21:30 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55147.D

Injection Date: 28-Nov-2011 17:05:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 2

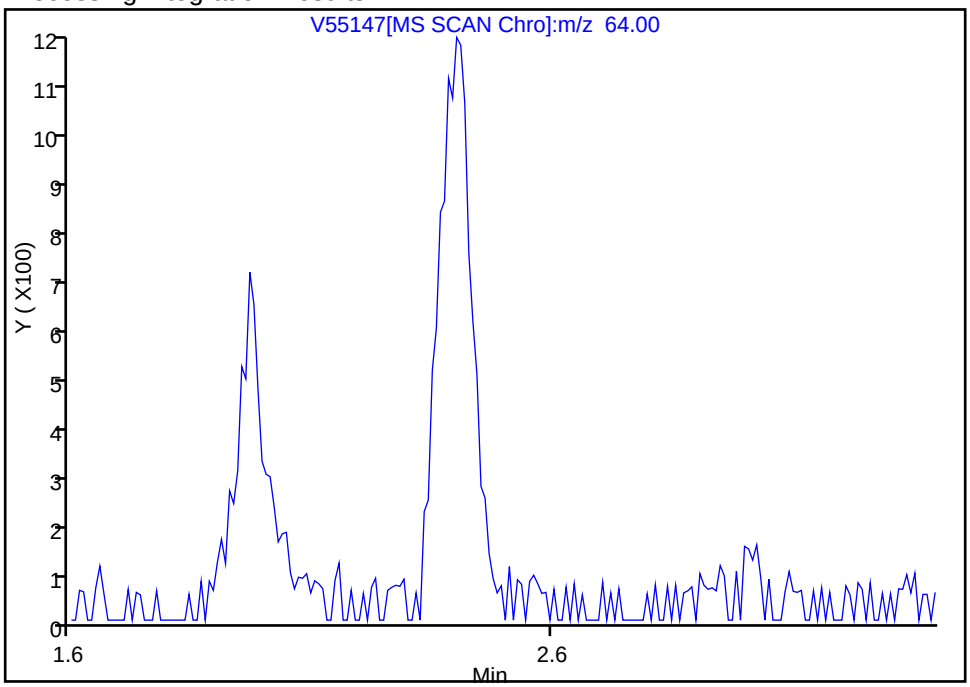
Operator ID: bw

5 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.40

Not Detected

Expected RT: 2.40

Processing Integration Results

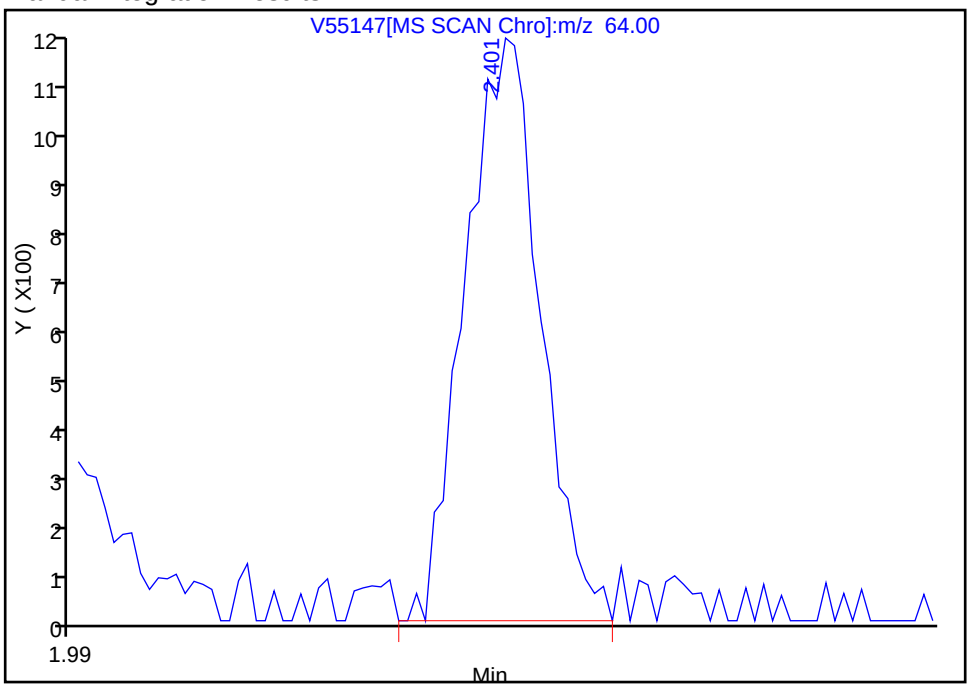


Manual Integration Results

RT: 2.40

Response: 5709

Amount: -2.047530



Reviewer: weigelb, 29-Nov-2011 09:08:32

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 30-Nov-2011 14:21:30 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55147.D

Injection Date: 28-Nov-2011 17:05:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 2

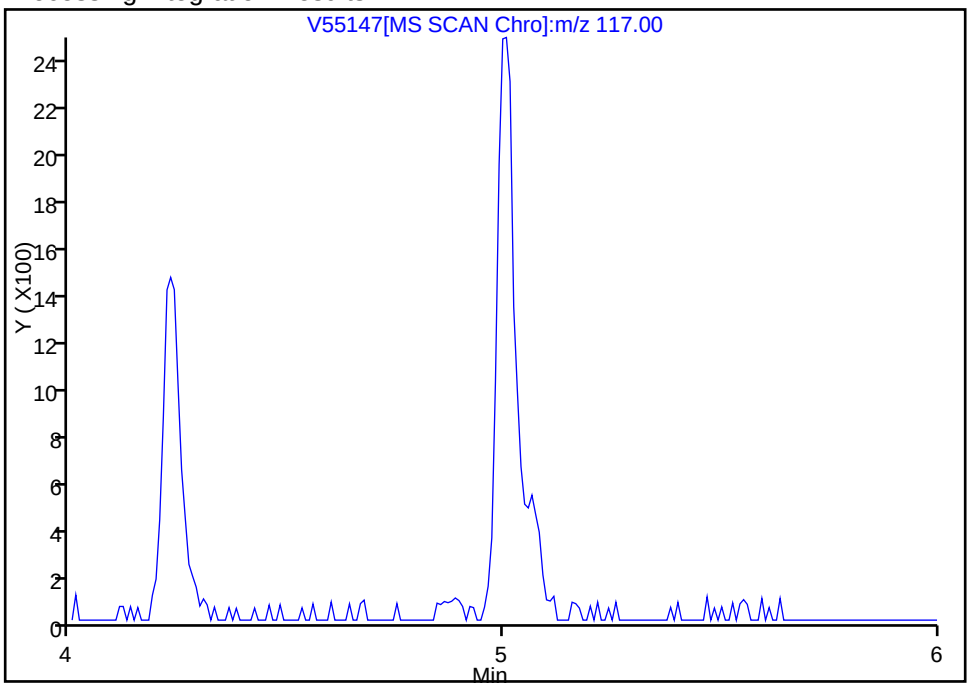
Operator ID: bw

33 Carbon tetrachloride, Signal: 1, m/z: 117.0 Type: quant, RT: 5.00

Processing Integration Results

Not Detected

Expected RT: 5.00

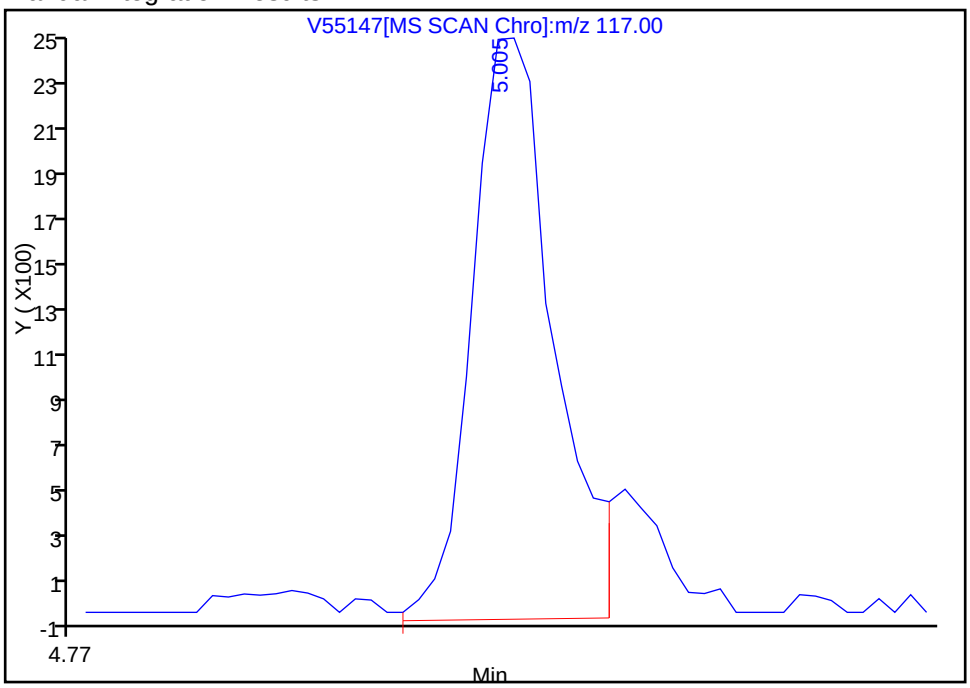


Manual Integration Results

RT: 5.01

Response: 7615

Amount: 0.520221



Reviewer: weigelb, 29-Nov-2011 09:08:32

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55148.D
Lims ID: STD1 Client ID:
Inject. Date: 28-Nov-2011 17:30:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD1
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 83953 Lims Sample ID: 3
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 14:21:31 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 29-Nov-2011 09:06:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.688	1.747	-0.059	0	14789	0.9775	M
2 Chloromethane	50	1.857	1.865	-0.008	97	18327	0.9687	
3 Vinyl chloride	62	1.958	1.975	-0.017	60	15233	0.9737	
4 Bromomethane	94	2.278	2.295	-0.017	92	10733	1.08	
5 Chloroethane	64	2.413	2.396	0.017	90	9650	-1.30	
6 Trichlorofluoromethane	101	2.497	2.506	-0.009	73	17290	1.04	
7 Dichlorofluoromethane	67	2.548	2.607	-0.059	78	5770	0	
8 Ethyl ether	59	2.784	2.792	-0.008	93	7161	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.978	2.978	0.0	67	8973	0	
9 1,1-Dichloroethene	96	2.978	2.986	-0.008	98	10105	1.02	
11 Ethanol	45	3.020	3.003	0.017	20	1798	0	
10 Carbon disulfide	76	3.011	3.011	0.0	99	28935	0.9801	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.053	3.070	-0.017	38	6378	0.9616	
14 Acrolein	56	3.298	3.289	0.009	97	39046	0	
15 Isopropyl alcohol	45	3.458	3.466	-0.008	85	15022	0	
16 Methylene Chloride	84	3.508	3.509	0.0	95	21519	1.22	
17 Acetone	43	3.551	3.559	-0.008	93	16776	10.6	
18 trans-1,2-Dichloroethene	61	3.652	3.652	0.0	94	16156	0.9749	
19 Methyl acetate	43	3.660	3.660	0.0	97	33442	9.99	
20 Hexane	57	3.719	3.719	0.0	69	19737	0	
21 Methyl tert-butyl ether	73	3.744	3.744	0.0	56	18009	0.9440	
22 2-Methyl-2-propanol	59	3.846	3.837	0.009	12	5192	0	
23 Isopropyl ether	45	4.073	4.073	0.0	97	33851	0	
24 1,1-Dichloroethane	63	4.191	4.191	0.0	82	20501	0.9745	
125 Halothane	117	4.225	4.233	-0.008	86	8089	0	
25 Acrylonitrile	53	4.233	4.242	-0.009	19	1755	1.04	
26 Tert-butyl ethyl ether	59	4.385	4.385	0.0	50	27883	0	
27 Vinyl acetate	43	4.402	4.393	0.009	97	91632	0	
28 cis-1,2-Dichloroethene	61	4.646	4.646	0.0	68	14917	0.9395	
29 2,2-Dichloropropane	77	4.747	4.747	0.0	67	14491	1.04	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.823	4.823	0.0	50	5192	0	
30 Cyclohexane	56	4.823	4.832	-0.009	85	19252	0	
32 Chloroform	83	4.874	4.874	0.0	82	18880	0.99	
34 Ethyl acetate	43	4.975	4.966	0.009	98	39073	0	
36 sec-Butyl Alcohol	45	5.000	5.000	0.0	70	20968	0	
33 Carbon tetrachloride	117	5.000	5.000	0.0	70	12331	1.00	
35 Tetrahydrofuran	42	5.017	5.008	0.009	22	12232	9.28	
$ 37 Dibromofluoromethane	113	5.034	5.022	0.012	70	165275	19.9	
38 1,1,1-Trichloroethane	97	5.059	5.059	0.0	19	14870	0.9663	
39 2-Butanone (MEK)	43	5.135	5.135	0.0	93	20337	11.0	
40 1,1-Dichloropropene	75	5.160	5.160	0.0	85	12888	0.9319	
41 n-Heptane	43	5.320	5.320	0.0	91	14146	0	
42 Benzene	78	5.371	5.362	0.009	96	36784	0.9392	
43 Tert-amyl methyl ether	73	5.447	5.447	0.0	87	20424	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.472	5.469	0.003	0	31182	20.0	
45 1,2-Dichloroethane	62	5.531	5.531	0.0	52	8712	0.9048	
* 46 Fluorobenzene	96	5.699	5.688	0.011	99	689607	20.0	
48 Isopropyl acetate	43	5.708	5.708	0.0	44	80441	0	
47 2,4,4-Trimethyl-1-pentene	55	5.716	5.725	-0.009	45	8479	0	
50 Trichloroethene	95	5.834	5.826	0.008	51	11149	1.01	
49 Methylcyclohexane	83	5.826	5.826	0.0	84	18169	1.05	
51 2,4,4-Trimethyl-2-pentene	112	5.851	5.851	0.0	88	5812	0	
52 Dibromomethane	93	6.171	6.171	0.0	82	3790	0.8333	
53 1,2-Dichloropropane	63	6.247	6.247	0.0	65	8976	1.02	
54 Dichlorobromomethane	83	6.289	6.289	0.0	86	10037	0.8565	
55 Methyl methacrylate	69	6.399	6.399	0.0	81	2703	0	
56 1,4-Dioxane	88		6.449					
57 n-Propyl acetate	43	6.508	6.500	0.008	97	48207	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.778	6.778	0.0	88	11072	0.8273	
$ 60 Toluene-d8 (Surr)	98	6.921	6.918	0.003	83	592021	17.7	
61 Toluene	92	6.963	6.964	-0.001	92	21929	0.9061	
63 4-Methyl-2-pentanone (MIBK)	43	7.250	7.242	0.008	95	37719	10.3	
62 Tetrachloroethene	166	7.267	7.258	0.009	89	8889	0.9581	
64 trans-1,3-Dichloropropene	75	7.275	7.275	0.0	92	7602	0.8495	
65 Isobutyl acetate	43	7.326	7.326	0.0	96	110667	0	
66 1,1,2-Trichloroethane	83	7.402	7.402	0.0	77	4026	0.9196	
67 Chlorodibromomethane	129	7.545	7.537	0.008	81	5209	3.92	
68 1,3-Dichloropropane	76	7.612	7.612	0.0	88	7421	3.94	
69 Ethylene Dibromide	107	7.739	7.730	0.009	88	4119	4.16	
70 n-Butyl acetate	43	7.798	7.798	0.0	100	60355	0	
71 2-Hexanone	43	7.882	7.882	0.0	94	25997	10.8	
* 72 Chlorobenzene-d5	117	8.118	8.115	0.003	84	428846	20.0	
73 Chlorobenzene	112	8.135	8.126	0.009	49	21397	1.01	
74 Ethylbenzene	91	8.143	8.143	0.0	97	42217	1.07	
75 1,1,1,2-Tetrachloroethane	131	8.177	8.177	0.0	31	7748	0.99	
76 m-Xylene & p-Xylene	91	8.253	8.253	0.0	97	63135	-5.58	
77 o-Xylene	91	8.590	8.581	0.009	96	34478	1.02	
78 Styrene	104	8.624	8.624	0.0	97	24235	1.00	
79 Bromoform	173	8.657	8.657	0.0	75	2831	3.35	
80 Isopropylbenzene	105	8.826	8.826	0.0	95	41831	1.00	
$ 82 4-Bromofluorobenzene	95	9.053	9.050	0.003	84	236591	20.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	9.053	9.053	0.0	0	236591	0	
83 Bromobenzene	77	9.138	9.138	0.0	55	15519	1.02	
84 N-Propylbenzene	91	9.146	9.146	0.0	96	51404	-3.78	
85 1,1,2,2-Tetrachloroethane	83	9.197	9.197	0.0	75	5592	0.9237	
86 2-Chlorotoluene	91	9.281	9.272	0.009	94	34920	-2.97	
87 1,3,5-Trimethylbenzene	105	9.298	9.289	0.009	90	34782	-3.32	
88 1,2,3-Trichloropropane	110	9.315	9.315	0.0	1	1447	0.9501	
89 trans-1,4-Dichloro-2-butene	53	9.340	9.331	0.009	1	1368	-0.3573	
90 4-Chlorotoluene	91	9.407	9.407	0.0	93	31534	1.02	
91 tert-Butylbenzene	119	9.550	9.551	-0.001	90	28150	1.00	
92 1,2,4-Trimethylbenzene	105	9.601	9.601	0.0	88	36568	-3.69	
93 sec-Butylbenzene	105	9.685	9.685	0.0	94	47724	1.02	
94 4-Isopropyltoluene	119	9.795	9.795	0.0	95	36219	1.02	
95 1,3-Dichlorobenzene	146	9.879	9.871	0.008	98	19318	1.05	
* 96 1,4-Dichlorobenzene-d4	115	9.938	9.935	0.003	94	141958	20.0	
97 1,4-Dichlorobenzene	146	9.947	9.947	0.0	39	18480	0.9611	
98 n-Butylbenzene	91	10.157	10.149	0.008	95	38400	0.9607	
99 1,2-Dichlorobenzene	146	10.317	10.317	0.0	96	16447	0.9568	
100 1,2-Dibromo-3-Chloropropane	157	11.126	11.118	0.008	47	823	0.8301	
101 1,3,5-Trichlorobenzene	180	11.160	11.152	0.008	96	12445	0	
102 Hexachlorobutadiene	225	11.927	11.918	0.009	72	6204	0.9056	
103 1,2,4-Trichlorobenzene	180	11.969	11.969	0.0	84	9013	0.8859	
104 Naphthalene	128	12.458	12.458	0.0	95	12129	0.8362	
105 1,2,3-Trichlorobenzene	180	12.753	12.753	0.0	85	6747	0.8574	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Nov-2011 14:21:33 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55148.D

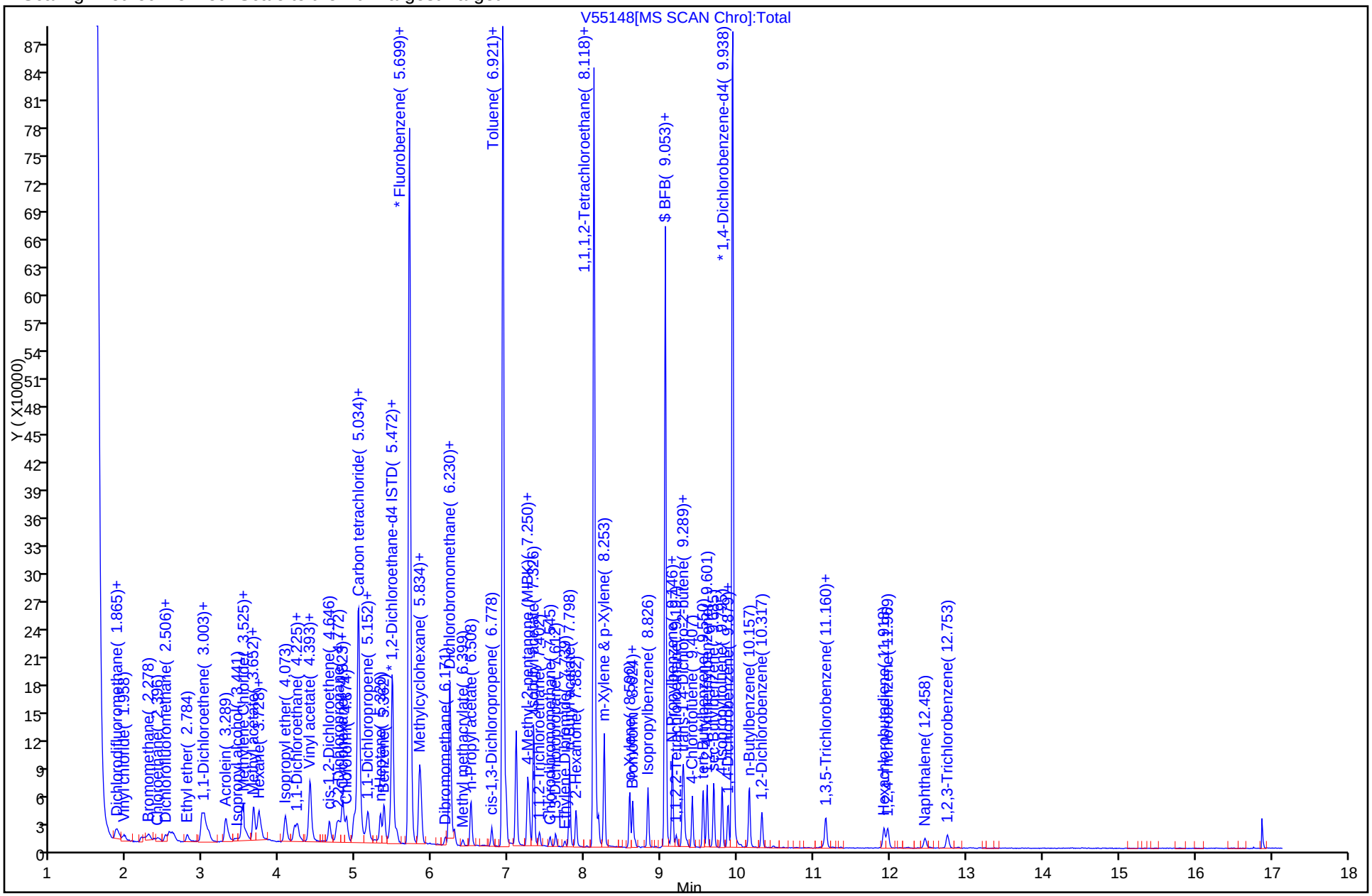
Injection Date: 28-Nov-2011 17:30:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 3

Operator ID: bw

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 30-Nov-2011 14:21:33 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55148.D

Injection Date: 28-Nov-2011 17:30:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 3

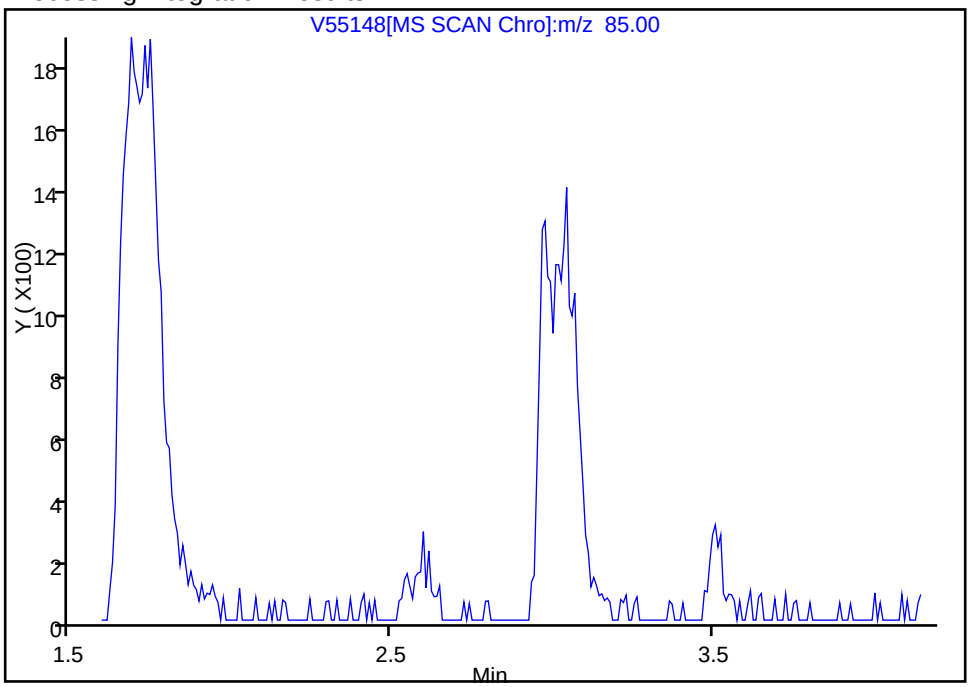
Operator ID: bw

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

Not Detected

Expected RT: 1.75

Processing Integration Results

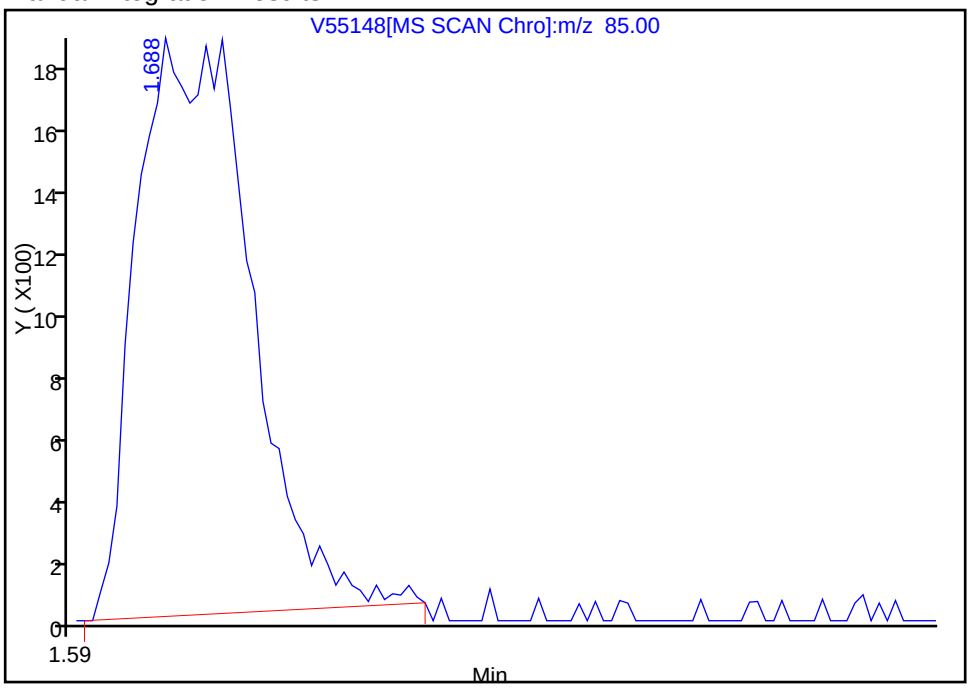


Manual Integration Results

RT: 1.69

Response: 14789

Amount: 0.977547



Reviewer: weigelb, 29-Nov-2011 09:06:17

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55149.D
Lims ID: STD5 Client ID:
Inject. Date: 28-Nov-2011 17:56:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD5
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 83953 Lims Sample ID: 4
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 14:21:34 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 29-Nov-2011 09:05:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.726	1.747	-0.021	80	79779	5.47	M
2 Chloromethane	50	1.861	1.865	-0.004	99	104290	5.71	
3 Vinyl chloride	62	1.971	1.975	-0.004	56	86199	5.71	
4 Bromomethane	94	2.283	2.295	-0.012	90	56196	5.87	
5 Chloroethane	64	2.409	2.396	0.013	95	51287	5.40	
6 Trichlorofluoromethane	101	2.502	2.506	-0.004	78	91329	5.71	
7 Dichlorofluoromethane	67	2.603	2.607	-0.004	75	116720	0	
8 Ethyl ether	59	2.788	2.792	-0.004	92	31334	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.974	2.978	-0.004	66	45964	0	
9 1,1-Dichloroethene	96	2.982	2.986	-0.004	98	51154	5.34	
11 Ethanol	45	2.999	3.003	-0.004	6	10826	0	
10 Carbon disulfide	76	3.007	3.011	-0.004	99	160822	5.65	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.066	3.070	-0.004	82	33362	5.21	
14 Acrolein	56	3.285	3.289	-0.004	95	201648	0	
15 Isopropyl alcohol	45	3.454	3.466	-0.012	95	65906	0	
16 Methylene Chloride	84	3.504	3.509	-0.004	89	61774	5.03	
17 Acetone	43	3.555	3.559	-0.004	94	54171	48.8	
18 trans-1,2-Dichloroethene	61	3.656	3.652	0.004	81	89743	5.61	
19 Methyl acetate	43	3.656	3.660	-0.004	98	157014	48.6	
20 Hexane	57	3.724	3.719	0.005	70	111642	0	
21 Methyl tert-butyl ether	73	3.749	3.744	0.005	57	88540	4.81	
22 2-Methyl-2-propanol	59	3.833	3.837	-0.004	12	24797	0	
23 Isopropyl ether	45	4.069	4.073	-0.004	97	175198	0	
24 1,1-Dichloroethane	63	4.195	4.191	0.004	94	107781	5.31	
125 Halothane	117	4.229	4.233	-0.004	89	41777	0	
25 Acrylonitrile	53	4.246	4.242	0.004	30	7946	4.86	
26 Tert-butyl ethyl ether	59	4.381	4.385	-0.004	55	137883	0	
27 Vinyl acetate	43	4.398	4.393	0.005	97	473637	0	
28 cis-1,2-Dichloroethene	61	4.651	4.646	0.005	82	80170	5.23	
29 2,2-Dichloropropane	77	4.752	4.747	0.005	67	71546	5.31	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.819	4.823	-0.004	55	26652	0	
30 Cyclohexane	56	4.828	4.832	-0.004	86	100485	0	
32 Chloroform	83	4.878	4.874	0.004	93	97680	5.32	
34 Ethyl acetate	43	4.971	4.966	0.005	98	196216	0	
36 sec-Butyl Alcohol	45	5.004	5.000	0.004	76	105301	0	
33 Carbon tetrachloride	117	5.004	5.000	0.004	91	61139	5.14	
35 Tetrahydrofuran	42	5.013	5.008	0.005	59	59669	46.9	
$ 37 Dibromofluoromethane	113	5.030	5.022	0.008	79	154131	19.2	
38 1,1,1-Trichloroethane	97	5.063	5.059	0.004	50	76626	5.16	
39 2-Butanone (MEK)	43	5.139	5.135	0.004	96	87445	50.0	
40 1,1-Dichloropropene	75	5.156	5.160	-0.004	89	71727	5.37	
41 n-Heptane	43	5.316	5.320	-0.004	95	83857	0	
42 Benzene	78	5.367	5.362	0.005	96	202526	5.36	
43 Tert-amyl methyl ether	73	5.443	5.447	-0.004	96	100075	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.476	5.469	0.007	0	29375	20.0	
45 1,2-Dichloroethane	62	5.527	5.531	-0.004	81	44050	4.74	
* 46 Fluorobenzene	96	5.695	5.688	0.007	98	665399	20.0	
48 Isopropyl acetate	43	5.704	5.708	-0.004	78	408667	0	
47 2,4,4-Trimethyl-1-pentene	55	5.721	5.725	-0.004	75	41695	0	
50 Trichloroethene	95	5.830	5.826	0.004	63	59049	5.53	
49 Methylcyclohexane	83	5.830	5.826	0.004	92	99590	5.94	
51 2,4,4-Trimethyl-2-pentene	112	5.847	5.851	-0.004	94	31635	0	
52 Dibromomethane	93	6.167	6.171	-0.004	86	21231	4.84	
53 1,2-Dichloropropane	63	6.252	6.247	0.005	71	46609	5.51	
54 Dichlorobromomethane	83	6.285	6.289	-0.004	90	56601	5.01	
55 Methyl methacrylate	69	6.395	6.399	-0.004	94	13404	0	
56 1,4-Dioxane	88	6.454	6.449	0.005	34	1563	0	
57 n-Propyl acetate	43	6.504	6.500	0.004	97	249316	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.774	6.778	-0.004	88	63015	4.88	
$ 60 Toluene-d8 (Surr)	98	6.926	6.918	0.008	83	594493	18.4	
61 Toluene	92	6.968	6.964	0.004	94	124162	5.32	
63 4-Methyl-2-pentanone (MIBK)	43	7.246	7.242	0.004	96	194860	56.6	
62 Tetrachloroethene	166	7.263	7.258	0.005	89	49039	5.48	
64 trans-1,3-Dichloropropene	75	7.271	7.275	-0.004	95	42690	4.94	
65 Isobutyl acetate	43	7.330	7.326	0.004	94	554512	0	
66 1,1,2-Trichloroethane	83	7.406	7.402	0.004	81	20370	4.82	
67 Chlorodibromomethane	129	7.541	7.537	0.004	87	29165	6.59	
68 1,3-Dichloropropane	76	7.617	7.612	0.005	86	41290	6.70	
69 Ethylene Dibromide	107	7.735	7.730	0.005	98	22565	6.76	
70 n-Butyl acetate	43	7.794	7.798	-0.004	99	299871	0	
71 2-Hexanone	43	7.878	7.882	-0.004	96	112664	49.7	
* 72 Chlorobenzene-d5	117	8.114	8.115	-0.001	87	414410	20.0	
73 Chlorobenzene	112	8.131	8.126	0.005	80	118086	5.79	
74 Ethylbenzene	91	8.139	8.143	-0.004	96	227741	5.96	
75 1,1,1,2-Tetrachloroethane	131	8.173	8.177	-0.004	38	42536	5.63	
76 m-Xylene & p-Xylene	91	8.249	8.253	-0.004	98	355039	8.61	
77 o-Xylene	91	8.586	8.581	0.005	97	189534	5.82	
78 Styrene	104	8.628	8.624	0.004	89	132186	5.64	
79 Bromoform	173	8.653	8.657	-0.004	79	15653	6.30	
80 Isopropylbenzene	105	8.822	8.826	-0.004	96	236929	5.86	
$ 82 4-Bromofluorobenzene	95	9.049	9.050	-0.001	82	221796	19.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	9.049	9.053	-0.004	0	221796	0	
83 Bromobenzene	77	9.142	9.138	0.004	54	87915	5.98	
84 N-Propylbenzene	91	9.142	9.146	-0.004	96	287359	3.80	
85 1,1,2,2-Tetrachloroethane	83	9.193	9.197	-0.004	66	27755	4.98	
86 2-Chlorotoluene	91	9.277	9.272	0.005	94	191779	4.13	
87 1,3,5-Trimethylbenzene	105	9.294	9.289	0.005	91	197991	4.01	
88 1,2,3-Trichloropropane	110	9.311	9.315	-0.004	10	8032	5.46	
89 trans-1,4-Dichloro-2-butene	53	9.336	9.331	0.005	1	6330	4.61	
90 4-Chlorotoluene	91	9.403	9.407	-0.004	98	170349	5.70	
91 tert-Butylbenzene	119	9.547	9.551	-0.004	86	160753	5.89	
92 1,2,4-Trimethylbenzene	105	9.690	9.601	0.089	80	272622	5.82	
93 sec-Butylbenzene	105	9.690	9.685	0.005	94	273024	6.04	
94 4-Isopropyltoluene	119	9.799	9.795	0.004	94	204883	5.98	
95 1,3-Dichlorobenzene	146	9.875	9.871	0.004	97	102926	5.80	
* 96 1,4-Dichlorobenzene-d4	115	9.934	9.935	-0.001	95	130649	20.0	
97 1,4-Dichlorobenzene	146	9.951	9.947	0.004	81	100404	5.67	
98 n-Butylbenzene	91	10.153	10.149	0.004	94	215519	5.86	
99 1,2-Dichlorobenzene	146	10.322	10.317	0.005	97	86645	5.48	
100 1,2-Dibromo-3-Chloropropane	157	11.122	11.118	0.004	68	4120	4.52	
101 1,3,5-Trichlorobenzene	180	11.156	11.152	0.004	97	69329	0	
102 Hexachlorobutadiene	225	11.923	11.918	0.005	82	34566	5.48	
103 1,2,4-Trichlorobenzene	180	11.965	11.969	-0.004	86	49483	5.28	
104 Naphthalene	128	12.454	12.458	-0.004	97	61267	4.59	
105 1,2,3-Trichlorobenzene	180	12.749	12.753	-0.004	93	36962	5.10	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Nov-2011 14:21:35 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55149.D

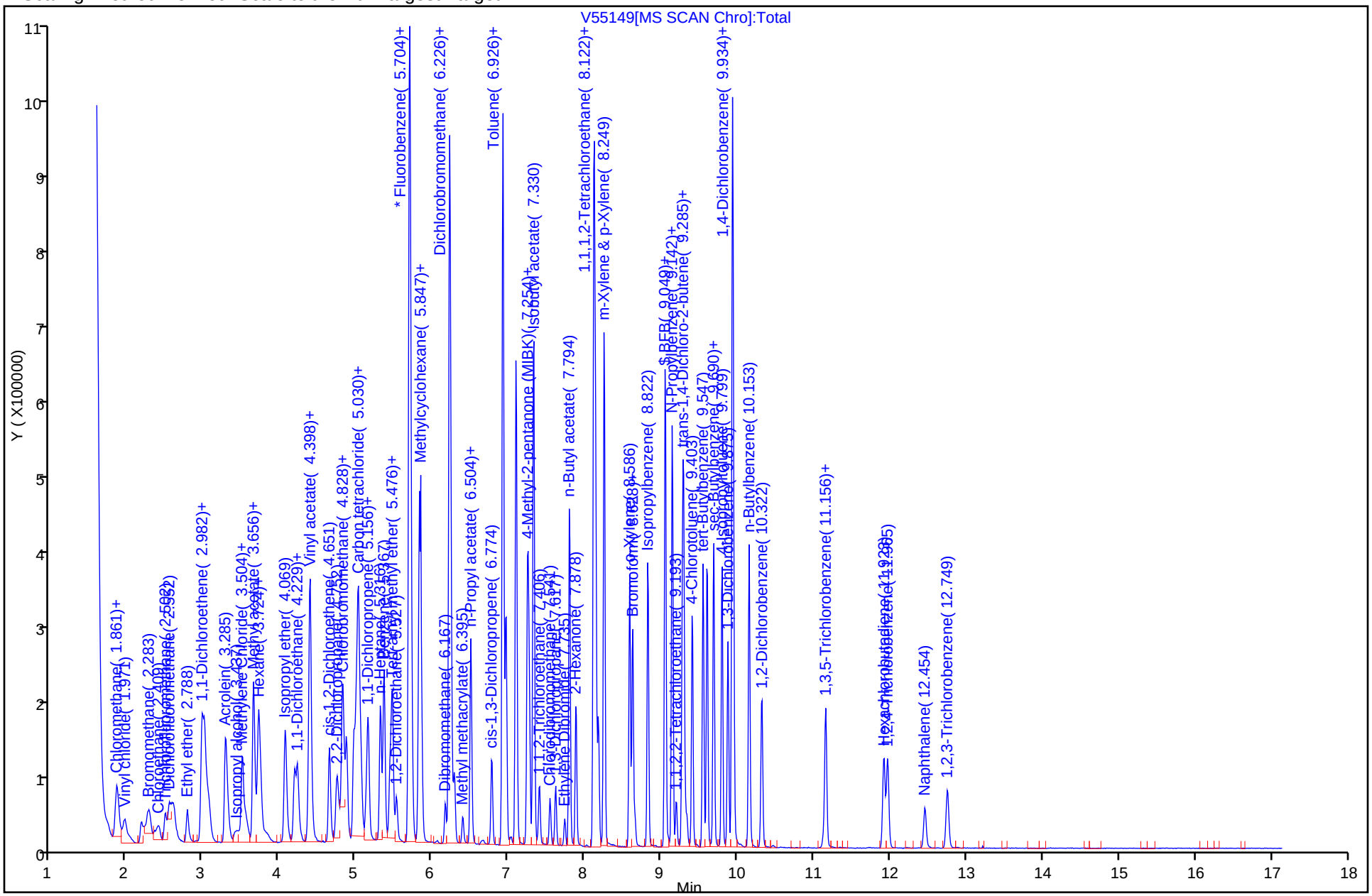
Injection Date: 28-Nov-2011 17:56:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 4

Operator ID: bw

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 30-Nov-2011 14:21:35 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55149.D

Injection Date: 28-Nov-2011 17:56:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

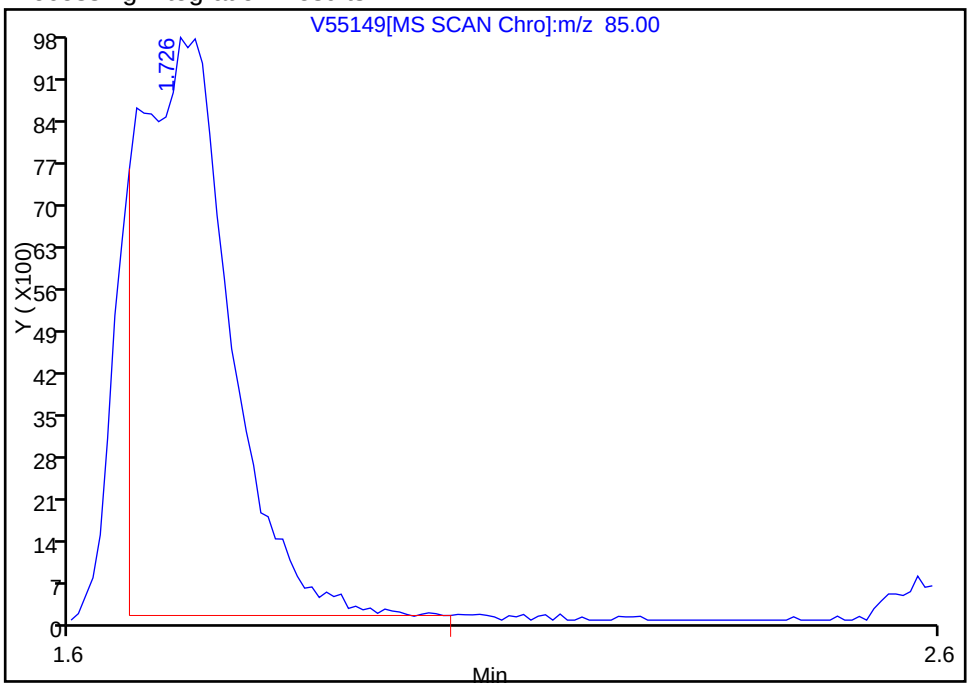
Lims Batch ID: 83953 Lims Sample ID: 4

Operator ID: bw

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

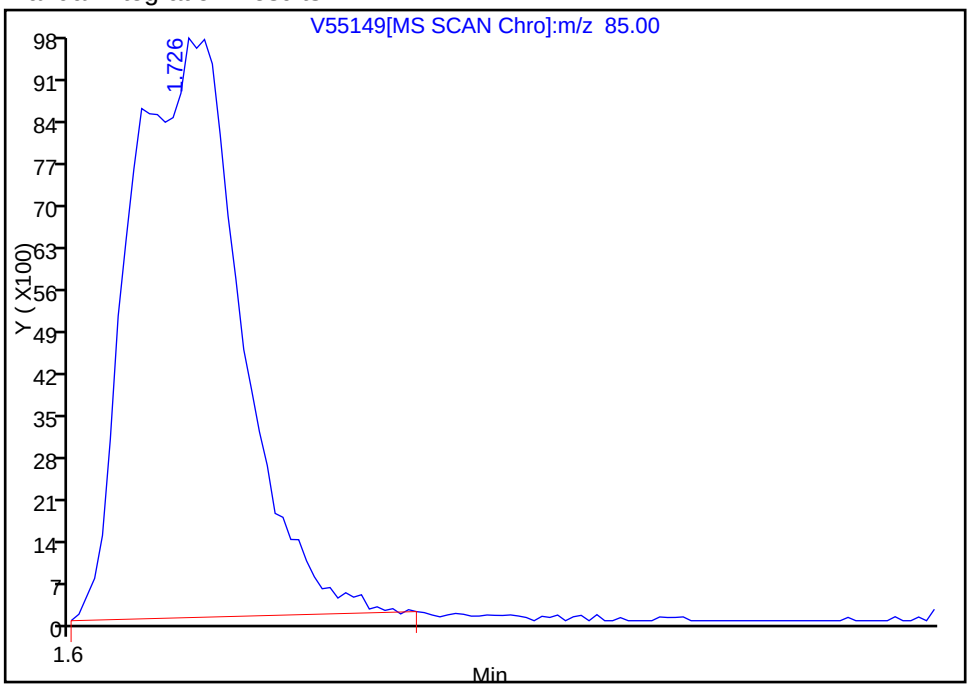
Processing Integration Results

RT: 1.73
Response: 71459
Amount: 4.976288



Manual Integration Results

RT: 1.73
Response: 79779
Amount: 5.465208



Reviewer: weigelb, 30-Nov-2011 10:22:39

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55150.D
Lims ID: STD10 Client ID:
Inject. Date: 28-Nov-2011 18:21:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD10
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 83953 Lims Sample ID: 5
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 15:55:06 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 29-Nov-2011 09:03:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.735	1.747	-0.012	0	137662	9.52	M
2 Chloromethane	50	1.861	1.865	-0.004	99	177246	9.81	
3 Vinyl chloride	62	1.971	1.975	-0.004	56	144303	9.65	
4 Bromomethane	94	2.283	2.295	-0.012	90	93234	9.83	
5 Chloroethane	64	2.409	2.396	0.013	99	82759	10.6	
6 Trichlorofluoromethane	101	2.502	2.506	-0.004	91	158778	10.0	
7 Dichlorofluoromethane	67	2.603	2.607	-0.004	75	207947	0	
8 Ethyl ether	59	2.788	2.792	-0.004	94	57824	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.982	2.978	0.004	70	84661	0	
9 1,1-Dichloroethene	96	2.982	2.986	-0.004	98	93517	9.85	
11 Ethanol	45	3.016	3.003	0.013	23	18900	0	
10 Carbon disulfide	76	3.007	3.011	-0.004	99	282941	10.0	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.058	3.070	-0.012	91	61673	9.73	
14 Acrolein	56	3.286	3.289	-0.003	97	356328	0	
15 Isopropyl alcohol	45	3.454	3.466	-0.012	95	119063	0	
16 Methylene Chloride	84	3.505	3.509	-0.003	96	105683	9.21	
17 Acetone	43	3.555	3.559	-0.004	91	94620	88.4	
18 trans-1,2-Dichloroethene	61	3.648	3.652	-0.004	89	153052	9.67	
19 Methyl acetate	43	3.656	3.660	-0.004	98	294487	92.1	
20 Hexane	57	3.724	3.719	0.005	70	193578	0	
21 Methyl tert-butyl ether	73	3.749	3.744	0.005	60	168150	9.23	
22 2-Methyl-2-propanol	59	3.833	3.837	-0.004	12	44806	0	
23 Isopropyl ether	45	4.069	4.073	-0.004	97	318557	0	
24 1,1-Dichloroethane	63	4.187	4.191	-0.004	94	188736	9.39	
125 Halothane	117	4.229	4.233	-0.004	88	74168	0	
25 Acrylonitrile	53	4.238	4.242	-0.004	37	13960	8.63	
26 Tert-butyl ethyl ether	59	4.381	4.385	-0.004	55	244198	0	
27 Vinyl acetate	43	4.398	4.393	0.005	97	840662	0	
28 cis-1,2-Dichloroethene	61	4.651	4.646	0.005	69	142631	9.40	
29 2,2-Dichloropropane	77	4.752	4.747	0.005	63	123832	9.29	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.819	4.823	-0.004	57	48080	0	
30 Cyclohexane	56	4.828	4.832	-0.004	84	180269	0	
32 Chloroform	83	4.870	4.874	-0.004	94	174532	9.61	
34 Ethyl acetate	43	4.971	4.966	0.005	98	362086	0	
36 sec-Butyl Alcohol	45	5.005	5.000	0.005	74	193422	0	
33 Carbon tetrachloride	117	4.996	5.000	-0.004	82	106931	9.08	
35 Tetrahydrofuran	42	5.013	5.008	0.005	60	110382	87.7	
$ 37 Dibromofluoromethane	113	5.030	5.034	-0.004	75	152942	19.3	
38 1,1,1-Trichloroethane	97	5.064	5.059	0.005	51	137738	9.37	
39 2-Butanone (MEK)	43	5.131	5.135	-0.004	96	161103	91.5	
40 1,1-Dichloropropene	75	5.156	5.160	-0.004	90	129518	9.80	
41 n-Heptane	43	5.316	5.320	-0.004	94	151647	0	
42 Benzene	78	5.367	5.362	0.005	96	359647	9.61	
43 Tert-amyl methyl ether	73	5.443	5.447	-0.004	97	183438	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.477	5.472	0.005	0	29575	20.0	
45 1,2-Dichloroethane	62	5.527	5.531	-0.004	74	80619	8.76	
* 46 Fluorobenzene	96	5.696	5.699	-0.003	98	658867	20.0	
48 Isopropyl acetate	43	5.704	5.708	-0.004	98	750366	0	
47 2,4,4-Trimethyl-1-pentene	55	5.721	5.725	-0.004	81	76447	0	
50 Trichloroethene	95	5.830	5.826	0.004	60	101761	9.63	
49 Methylcyclohexane	83	5.830	5.826	0.004	82	167994	10.1	
51 2,4,4-Trimethyl-2-pentene	112	5.847	5.851	-0.004	90	56628	0	
52 Dibromomethane	93	6.168	6.171	-0.003	90	38900	8.95	
53 1,2-Dichloropropane	63	6.252	6.247	0.005	77	81737	9.76	
54 Dichlorobromomethane	83	6.286	6.289	-0.003	97	100710	8.99	
55 Methyl methacrylate	69	6.395	6.399	-0.004	90	24673	0	
56 1,4-Dioxane	88	6.454	6.449	0.005	68	3155	0	
57 n-Propyl acetate	43	6.505	6.500	0.005	98	458811	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.774	6.778	-0.004	89	113848	8.90	
$ 60 Toluene-d8 (Surr)	98	6.926	6.921	0.005	83	590442	18.4	
61 Toluene	92	6.960	6.964	-0.004	93	218340	9.44	
63 4-Methyl-2-pentanone (MIBK)	43	7.246	7.242	0.004	96	354564	102.4	
62 Tetrachloroethene	166	7.263	7.258	0.005	98	86891	9.80	
64 trans-1,3-Dichloropropene	75	7.271	7.275	-0.004	94	75229	8.80	
65 Isobutyl acetate	43	7.322	7.326	-0.004	95	978920	0	
66 1,1,2-Trichloroethane	83	7.398	7.402	-0.004	84	35918	8.59	
67 Chlorodibromomethane	129	7.541	7.537	0.004	84	55159	9.52	
68 1,3-Dichloropropane	76	7.617	7.612	0.005	88	75084	9.50	
69 Ethylene Dibromide	107	7.735	7.730	0.005	97	41600	9.47	
70 n-Butyl acetate	43	7.794	7.798	-0.004	99	535842	0	
71 2-Hexanone	43	7.878	7.882	-0.004	96	208587	91.4	
* 72 Chlorobenzene-d5	117	8.114	8.118	-0.004	86	410403	20.0	
73 Chlorobenzene	112	8.131	8.126	0.005	84	203799	10.1	
74 Ethylbenzene	91	8.139	8.143	-0.004	97	391841	10.3	
75 1,1,1,2-Tetrachloroethane	131	8.173	8.177	-0.004	45	75094	10.0	
76 m-Xylene & p-Xylene	91	8.249	8.253	-0.004	98	611206	21.3	
77 o-Xylene	91	8.586	8.581	0.005	97	336428	10.4	
78 Styrene	104	8.628	8.624	0.004	87	238707	10.3	
79 Bromoform	173	8.653	8.657	-0.004	73	29539	9.62	
80 Isopropylbenzene	105	8.822	8.826	-0.004	95	428394	10.7	
$ 82 4-Bromofluorobenzene	95	9.050	9.053	-0.003	82	219948	19.4	

Report Date: 30-Nov-2011 15:55:07 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55150.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	9.050	9.053	-0.003	0	219948	0	
83 Bromobenzene	77	9.142	9.138	0.004	54	153617	10.6	
84 N-Propylbenzene	91	9.142	9.146	-0.004	96	503445	10.8	
85 1,1,2,2-Tetrachloroethane	83	9.193	9.197	-0.004	69	51375	9.46	
86 2-Chlorotoluene	91	9.277	9.272	0.005	95	335423	10.7	
87 1,3,5-Trimethylbenzene	105	9.294	9.289	0.005	89	348505	10.9	
88 1,2,3-Trichloropropane	110	9.311	9.315	-0.004	68	13391	9.19	
89 trans-1,4-Dichloro-2-butene	53	9.336	9.331	0.005	1	12563	11.1	
90 4-Chlorotoluene	91	9.403	9.407	-0.004	93	310727	10.5	
91 tert-Butylbenzene	119	9.547	9.551	-0.004	90	292464	10.8	
92 1,2,4-Trimethylbenzene	105	9.690	9.601	0.089	71	487651	14.6	
93 sec-Butylbenzene	105	9.690	9.685	0.005	94	489022	10.9	
94 4-Isopropyltoluene	119	9.800	9.795	0.005	94	367596	10.8	
95 1,3-Dichlorobenzene	146	9.875	9.871	0.004	98	182998	10.4	
* 96 1,4-Dichlorobenzene-d4	115	9.934	9.930	0.004	95	127290	20.0	
97 1,4-Dichlorobenzene	146	9.951	9.947	0.004	90	174420	10.1	
98 n-Butylbenzene	91	10.153	10.149	0.004	95	393331	11.0	
99 1,2-Dichlorobenzene	146	10.322	10.317	0.005	97	158522	10.3	
100 1,2-Dibromo-3-Chloropropane	157	11.123	11.118	0.005	75	8038	9.04	
101 1,3,5-Trichlorobenzene	180	11.156	11.152	0.004	97	125804	0	
102 Hexachlorobutadiene	225	11.915	11.918	-0.003	83	64414	10.5	
103 1,2,4-Trichlorobenzene	180	11.965	11.969	-0.004	86	92059	10.1	
104 Naphthalene	128	12.454	12.458	-0.004	97	123533	9.50	
105 1,2,3-Trichlorobenzene	180	12.749	12.753	-0.004	93	70534	10.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Nov-2011 15:55:07 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55150.D

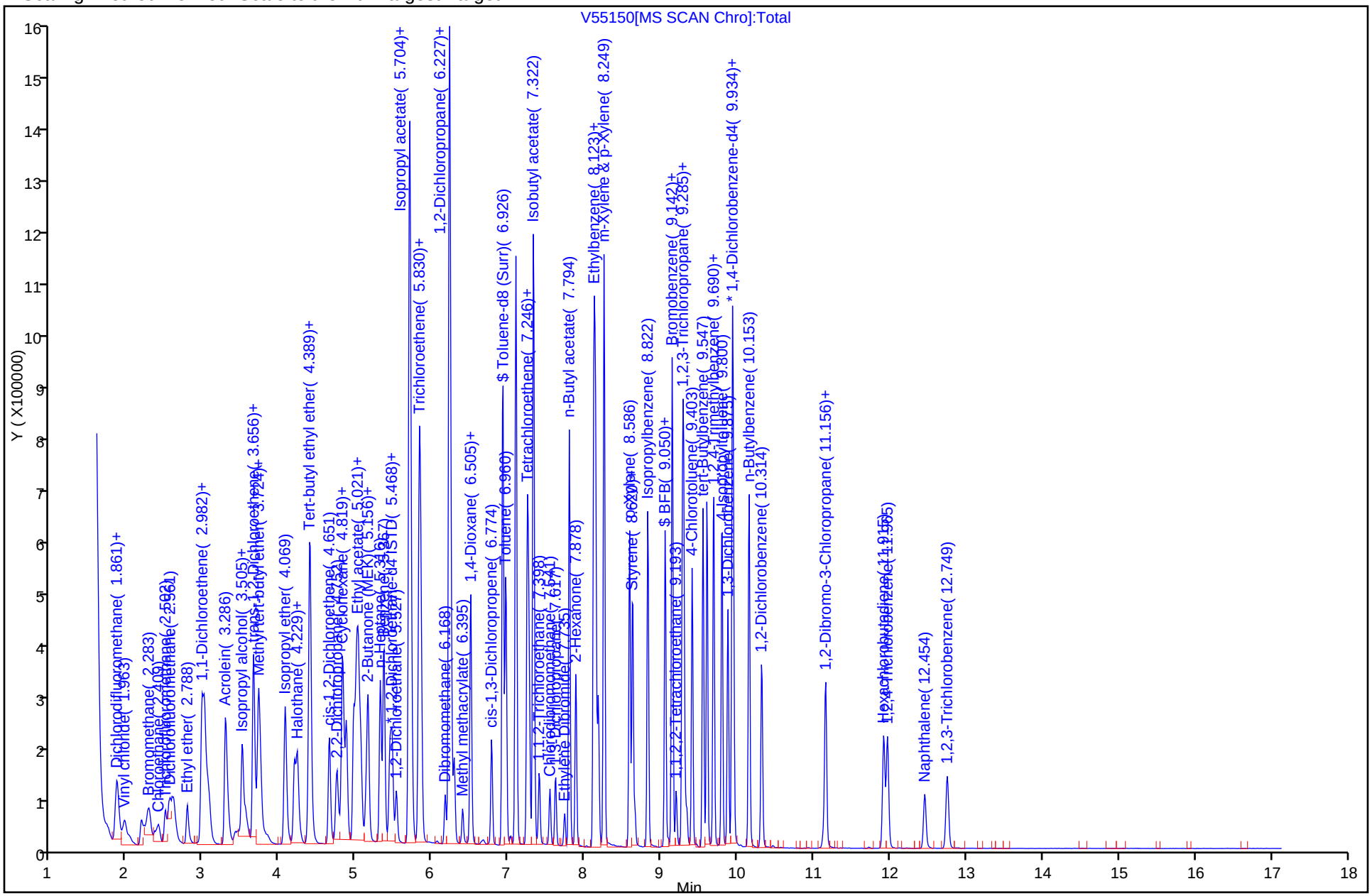
Injection Date: 28-Nov-2011 18:21:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 5

Operator ID: bw

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 30-Nov-2011 15:55:07 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55150.D

Injection Date: 28-Nov-2011 18:21:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 5

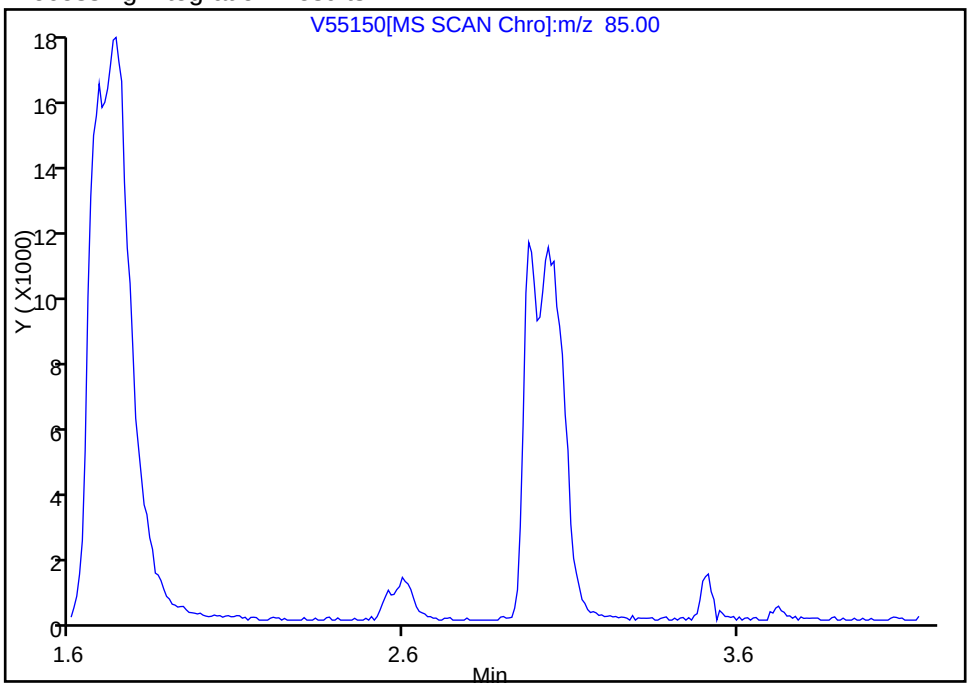
Operator ID: bw

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

Not Detected

Expected RT: 1.75

Processing Integration Results

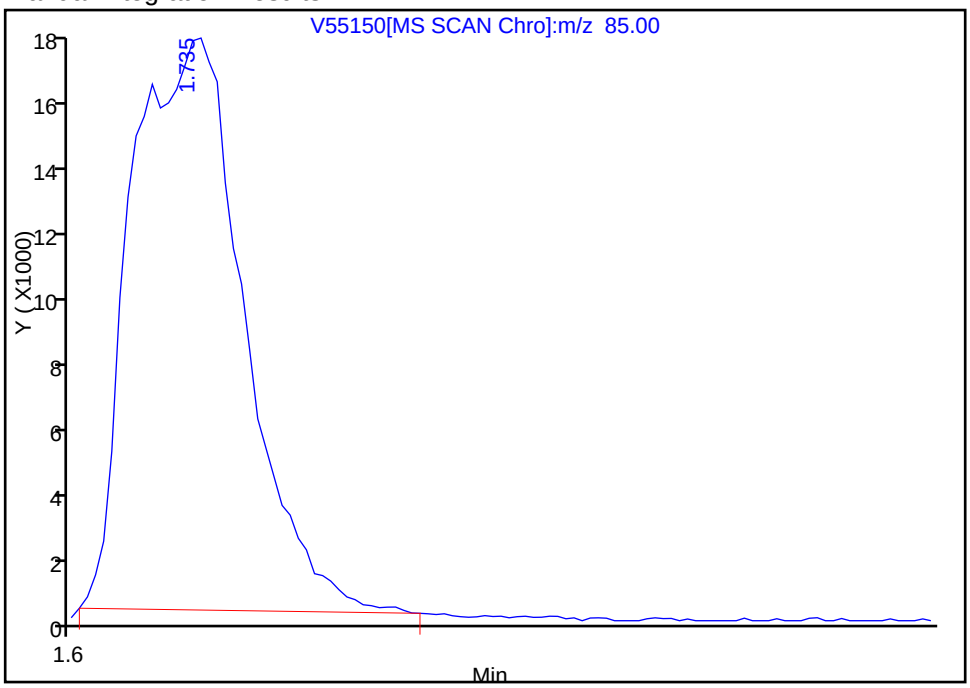


Manual Integration Results

RT: 1.74

Response: 137662

Amount: 9.523939



Reviewer: weigelb, 29-Nov-2011 09:05:53

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55151.D
Lims ID: STD20 Client ID:
Inject. Date: 28-Nov-2011 18:47:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD20
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 83953 Lims Sample ID: 6
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 15:57:31 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 30-Nov-2011 15:57:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.747	1.747	0.0	96	259571	18.0	M
2 Chloromethane	50	1.865	1.865	0.0	88	326495	18.1	
3 Vinyl chloride	62	1.975	1.975	0.0	56	267486	17.9	
4 Bromomethane	94	2.295	2.295	0.0	90	175955	18.6	
5 Chloroethane	64	2.396	2.396	0.0	100	147942	21.1	
6 Trichlorofluoromethane	101	2.506	2.506	0.0	91	289705	18.3	
7 Dichlorofluoromethane	67	2.607	2.607	0.0	91	373161	0	
8 Ethyl ether	59	2.792	2.792	0.0	93	126371	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.978	2.978	0.0	71	149346	0	
9 1,1-Dichloroethene	96	2.986	2.986	0.0	90	175706	18.5	
11 Ethanol	45	3.003	3.003	0.0	19	42013	0	
10 Carbon disulfide	76	3.011	3.011	0.0	99	539252	19.1	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.070	3.070	0.0	87	119208	18.8	
14 Acrolein	56	3.289	3.289	0.0	94	742414	0	
15 Isopropyl alcohol	45	3.466	3.466	0.0	87	243799	0	
16 Methylene Chloride	84	3.509	3.509	0.0	94	202914	18.4	
17 Acetone	43	3.559	3.559	0.0	94	222353	204.9	
18 trans-1,2-Dichloroethene	61	3.652	3.652	0.0	82	297350	18.8	
19 Methyl acetate	43	3.660	3.660	0.0	97	652479	204.1	
20 Hexane	57	3.719	3.719	0.0	69	371650	0	
21 Methyl tert-butyl ether	73	3.744	3.744	0.0	56	368388	20.2	
22 2-Methyl-2-propanol	59	3.837	3.837	0.0	12	99781	0	
23 Isopropyl ether	45	4.073	4.073	0.0	97	668018	0	
24 1,1-Dichloroethane	63	4.191	4.191	0.0	94	371953	18.5	
125 Halothane	117	4.233	4.233	0.0	89	140706	0	
25 Acrylonitrile	53	4.242	4.242	0.0	43	30992	19.2	
26 Tert-butyl ethyl ether	59	4.385	4.385	0.0	48	525623	0	
27 Vinyl acetate	43	4.393	4.393	0.0	97	1747152	0	
28 cis-1,2-Dichloroethene	61	4.646	4.646	0.0	83	283557	18.7	
29 2,2-Dichloropropane	77	4.747	4.747	0.0	63	252820	19.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.823	4.823	0.0	62	98457	0	
30 Cyclohexane	56	4.832	4.832	0.0	87	327241	0	
32 Chloroform	83	4.874	4.874	0.0	94	336177	18.5	
34 Ethyl acetate	43	4.966	4.966	0.0	97	796262	0	
36 sec-Butyl Alcohol	45	5.000	5.000	0.0	73	412344	0	
33 Carbon tetrachloride	117	5.000	5.000	0.0	89	224612	19.1	M
35 Tetrahydrofuran	42	5.008	5.008	0.0	59	237474	188.7	
$ 37 Dibromofluoromethane	113	5.034	5.034	0.0	73	152667	19.2	
38 1,1,1-Trichloroethane	97	5.059	5.059	0.0	52	274117	18.7	
39 2-Butanone (MEK)	43	5.135	5.135	0.0	99	340740	184.9	
40 1,1-Dichloropropene	75	5.160	5.160	0.0	94	253434	19.2	
41 n-Heptane	43	5.320	5.320	0.0	94	283690	0	
42 Benzene	78	5.362	5.362	0.0	96	716359	19.2	
43 Tert-amyl methyl ether	73	5.447	5.447	0.0	88	404482	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.472	5.472	0.0	0	30961	20.0	
45 1,2-Dichloroethane	62	5.531	5.531	0.0	75	176788	19.2	
* 46 Fluorobenzene	96	5.699	5.699	0.0	65	658490	20.0	
48 Isopropyl acetate	43	5.708	5.708	0.0	98	1569402	0	
47 2,4,4-Trimethyl-1-pentene	55	5.725	5.725	0.0	84	149662	0	
50 Trichloroethene	95	5.826	5.826	0.0	74	201379	19.1	
49 Methylcyclohexane	83	5.826	5.826	0.0	91	315203	19.0	
51 2,4,4-Trimethyl-2-pentene	112	5.851	5.851	0.0	89	111536	0	
52 Dibromomethane	93	6.171	6.171	0.0	91	85670	19.7	
53 1,2-Dichloropropane	63	6.247	6.247	0.0	62	162070	19.4	
54 Dichlorobromomethane	83	6.289	6.289	0.0	97	216484	19.3	
55 Methyl methacrylate	69	6.399	6.399	0.0	88	58804	0	
56 1,4-Dioxane	88	6.449	6.449	0.0	18	6590	0	
57 n-Propyl acetate	43	6.500	6.500	0.0	98	1014958	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.778	6.778	0.0	90	252830	19.8	
$ 60 Toluene-d8 (Surr)	98	6.921	6.921	0.0	83	622157	19.4	
61 Toluene	92	6.964	6.964	0.0	93	445339	19.3	
63 4-Methyl-2-pentanone (MIBK)	43	7.242	7.242	0.0	96	761485	210.0	
62 Tetrachloroethene	166	7.258	7.258	0.0	69	174221	19.7	
64 trans-1,3-Dichloropropene	75	7.275	7.275	0.0	94	170536	20.0	
65 Isobutyl acetate	43	7.326	7.326	0.0	94	2029078	0	
66 1,1,2-Trichloroethane	83	7.402	7.402	0.0	85	83040	19.9	
67 Chlorodibromomethane	129	7.537	7.537	0.0	86	126808	17.5	
68 1,3-Dichloropropane	76	7.612	7.612	0.0	90	172380	17.5	
69 Ethylene Dibromide	107	7.730	7.730	0.0	97	99039	17.6	
70 n-Butyl acetate	43	7.798	7.798	0.0	99	1169747	0	
71 2-Hexanone	43	7.882	7.882	0.0	93	484356	202.8	
* 72 Chlorobenzene-d5	117	8.118	8.118	0.0	86	441575	20.0	
73 Chlorobenzene	112	8.126	8.126	0.0	89	429826	19.8	
74 Ethylbenzene	91	8.143	8.143	0.0	98	789518	19.4	
75 1,1,1,2-Tetrachloroethane	131	8.177	8.177	0.0	53	159500	19.8	
76 m-Xylene & p-Xylene	91	8.253	8.253	0.0	97	1219190	46.7	
77 o-Xylene	91	8.581	8.581	0.0	98	689452	19.9	
78 Styrene	104	8.624	8.624	0.0	96	511329	20.5	
79 Bromoform	173	8.657	8.657	0.0	64	70068	18.2	
80 Isopropylbenzene	105	8.826	8.826	0.0	95	863717	20.1	
$ 82 4-Bromofluorobenzene	95	9.053	9.053	0.0	87	240623	19.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	9.053	9.053	0.0	0	240623	0	
83 Bromobenzene	77	9.138	9.138	0.0	60	317854	20.3	
84 N-Propylbenzene	91	9.146	9.146	0.0	96	996204	24.5	
85 1,1,2,2-Tetrachloroethane	83	9.197	9.197	0.0	68	115917	20.2	
86 2-Chlorotoluene	91	9.272	9.272	0.0	94	664878	23.5	
87 1,3,5-Trimethylbenzene	105	9.289	9.289	0.0	87	686848	23.9	
88 1,2,3-Trichloropropane	110	9.315	9.315	0.0	78	30730	19.6	
89 trans-1,4-Dichloro-2-butene	53	9.331	9.331	0.0	1	28234	25.8	
90 4-Chlorotoluene	91	9.407	9.407	0.0	92	636863	20.0	
91 tert-Butylbenzene	119	9.551	9.551	0.0	91	586265	20.1	
92 1,2,4-Trimethylbenzene	105	9.601	9.601	0.0	90	705660	21.4	
93 sec-Butylbenzene	105	9.685	9.685	0.0	94	959886	19.9	
94 4-Isopropyltoluene	119	9.795	9.795	0.0	92	739732	20.3	
95 1,3-Dichlorobenzene	146	9.871	9.871	0.0	97	376508	19.9	
* 96 1,4-Dichlorobenzene-d4	115	9.930	9.930	0.0	96	134354	20.0	
97 1,4-Dichlorobenzene	146	9.947	9.947	0.0	88	365912	20.1	
98 n-Butylbenzene	91	10.149	10.149	0.0	95	772231	20.4	
99 1,2-Dichlorobenzene	146	10.317	10.317	0.0	97	332121	20.4	
100 1,2-Dibromo-3-Chloropropane	157	11.118	11.118	0.0	79	19661	21.0	
101 1,3,5-Trichlorobenzene	180	11.152	11.152	0.0	95	253873	0	
102 Hexachlorobutadiene	225	11.918	11.918	0.0	84	132631	20.5	
103 1,2,4-Trichlorobenzene	180	11.969	11.969	0.0	85	202695	21.1	
104 Naphthalene	128	12.458	12.458	0.0	97	296603	21.6	
105 1,2,3-Trichlorobenzene	180	12.753	12.753	0.0	94	159667	21.4	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Nov-2011 15:57:32 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55151.D

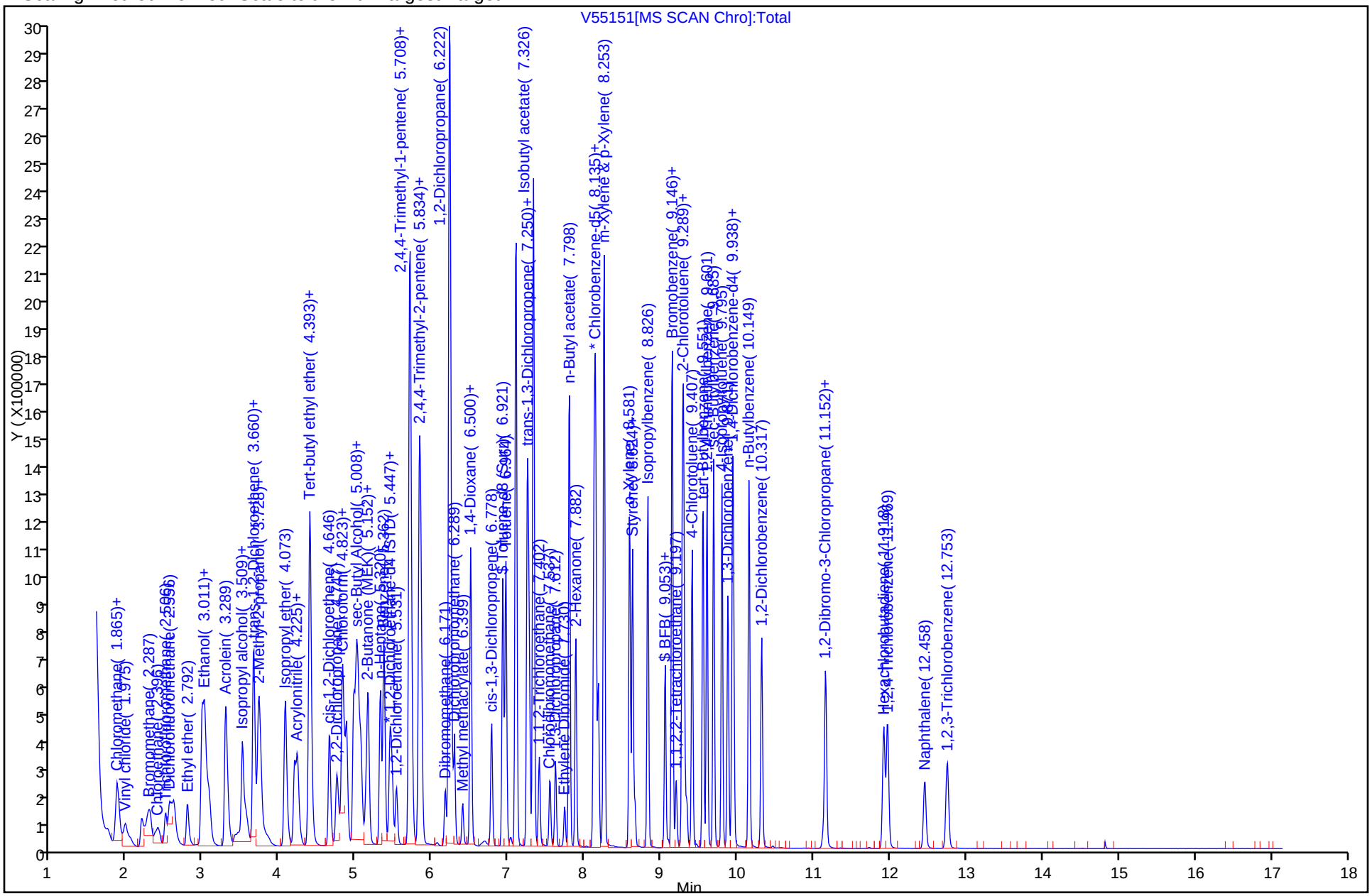
Injection Date: 28-Nov-2011 18:47:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 6

Operator ID: bw

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 30-Nov-2011 15:57:32 Chrom Revision: 2.0 29-Sep-2011 09:38:02

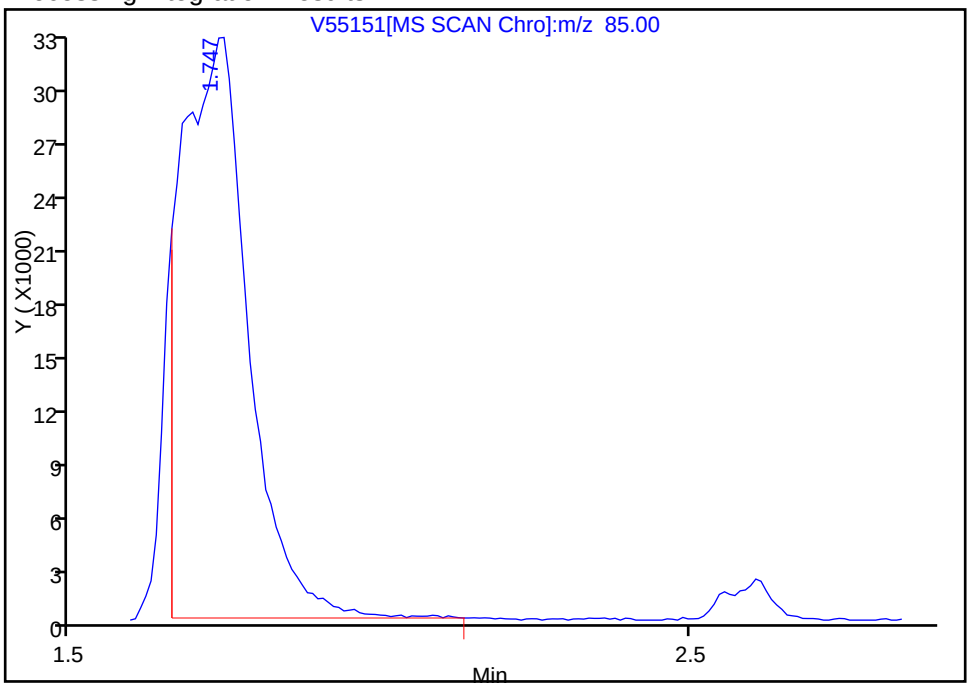
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55151.D		
Injection Date:	28-Nov-2011 18:47:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:		Instrument ID:	HP #1 GC/MS
Lims Batch ID:	83953	Lims Sample ID:	6
Operator ID:	bw		

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

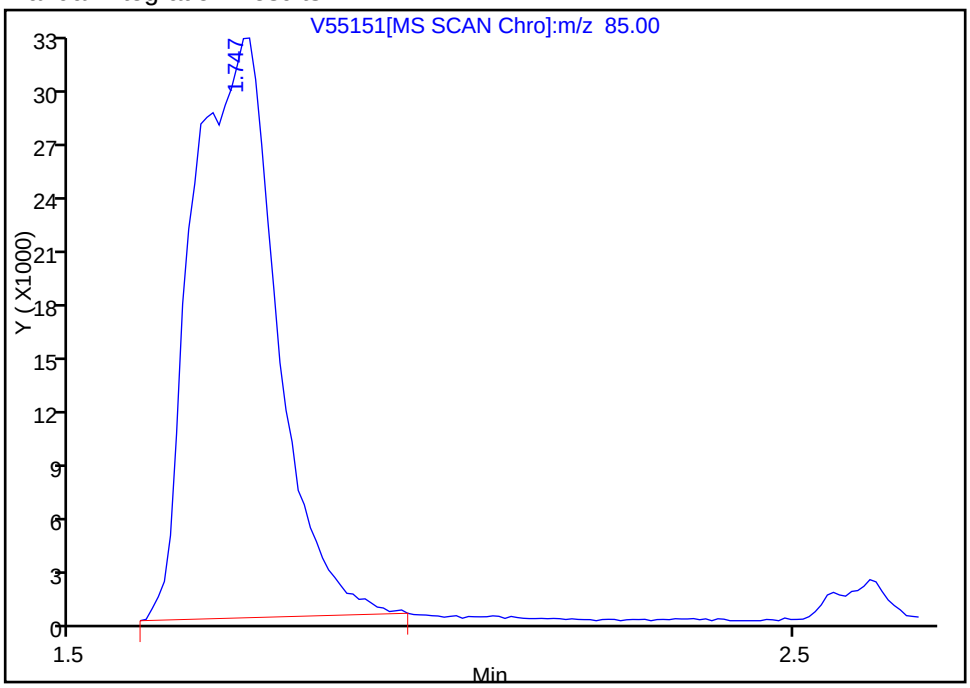
Processing Integration Results

RT: 1.75
Response: 244556
Amount: 18.841414



Manual Integration Results

RT: 1.75
Response: 259571
Amount: 17.968312



Reviewer: weigelb, 29-Nov-2011 08:52:49
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 30-Nov-2011 15:57:32 Chrom Revision: 2.0 29-Sep-2011 09:38:02

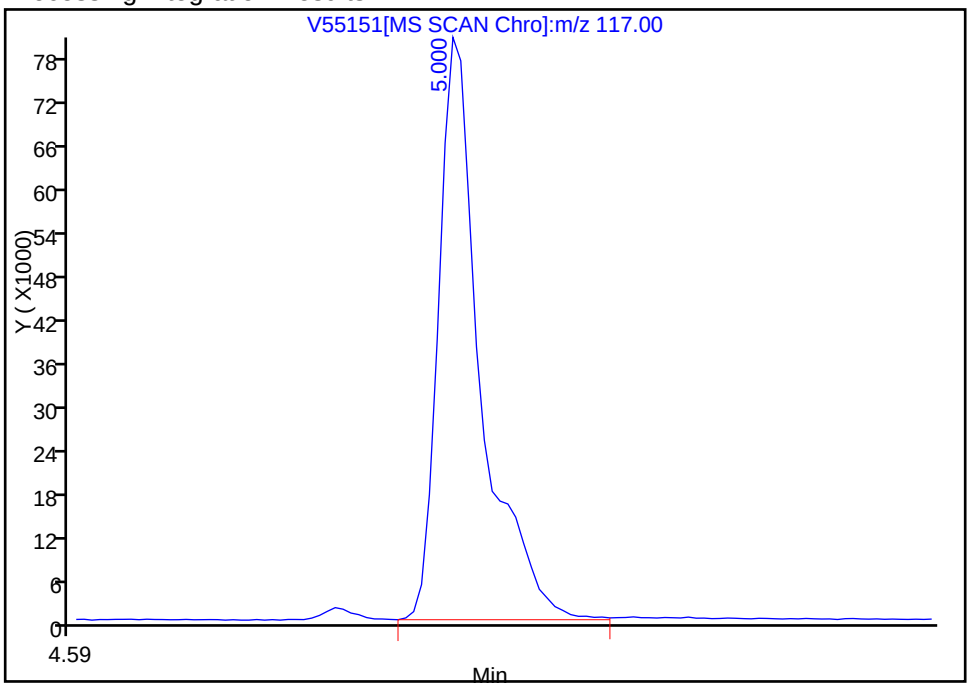
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55151.D		
Injection Date:	28-Nov-2011 18:47:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:		Instrument ID:	HP #1 GC/MS
Lims Batch ID:	83953	Lims Sample ID:	6
Operator ID:	bw		

33 Carbon tetrachloride, Signal: 1, m/z: 117.0 Type: quant, RT: 5.00

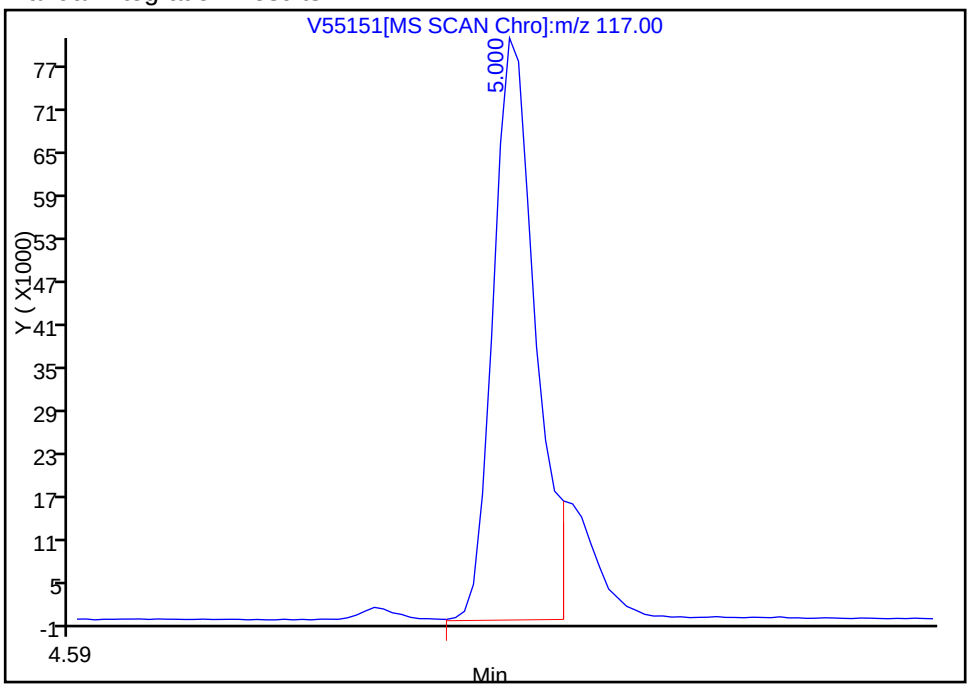
Processing Integration Results

RT: 5.00
Response: 254952
Amount: 16.977075



Manual Integration Results

RT: 5.00
Response: 224612
Amount: 19.078253



Reviewer: weigelb, 29-Nov-2011 08:52:49
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55152.D
Lims ID: STD40 Client ID:
Inject. Date: 28-Nov-2011 19:12:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD40
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 7
Lims Batch ID: 83953 Lims Sample ID: 7
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 14:21:40 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 29-Nov-2011 08:57:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.738	1.747	-0.009	98	548125	38.7	M
2 Chloromethane	50	1.873	1.865	0.008	99	682828	38.5	
3 Vinyl chloride	62	1.974	1.975	-0.001	71	555687	37.9	
4 Bromomethane	94	2.294	2.295	-0.001	90	337694	36.3	
5 Chloroethane	64	2.403	2.396	0.007	99	284049	44.0	
6 Trichlorofluoromethane	101	2.496	2.506	-0.010	90	593594	38.3	
7 Dichlorofluoromethane	67	2.606	2.607	-0.001	91	716671	0	
8 Ethyl ether	59	2.783	2.792	-0.009	93	247993	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.976	2.978	-0.002	70	302155	0	
9 1,1-Dichloroethene	96	2.985	2.986	-0.001	99	353046	37.9	
11 Ethanol	45	2.993	3.003	-0.010	19	76931	0	
10 Carbon disulfide	76	3.010	3.011	-0.001	99	1064297	38.5	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.069	3.070	-0.001	96	233987	37.7	
14 Acrolein	56	3.288	3.289	-0.001	94	1530840	0	
15 Isopropyl alcohol	45	3.465	3.466	-0.001	96	488126	0	
16 Methylene Chloride	84	3.507	3.509	-0.001	95	389866	36.7	
17 Acetone	43	3.550	3.559	-0.009	96	475284	441.7	
18 trans-1,2-Dichloroethene	61	3.651	3.652	-0.001	86	592247	38.2	
19 Methyl acetate	43	3.659	3.660	-0.001	97	1266735	404.1	
20 Hexane	57	3.718	3.719	-0.001	69	764023	0	
21 Methyl tert-butyl ether	73	3.743	3.744	-0.001	56	720808	40.4	
22 2-Methyl-2-propanol	59	3.836	3.837	-0.001	12	199811	0	
23 Isopropyl ether	45	4.072	4.073	-0.001	98	1336022	0	
24 1,1-Dichloroethane	63	4.190	4.191	-0.001	94	765079	38.8	
125 Halothane	117	4.232	4.233	-0.001	89	282325	0	
25 Acrylonitrile	53	4.241	4.242	-0.001	44	63885	40.3	
26 Tert-butyl ethyl ether	59	4.384	4.385	-0.001	44	1005877	0	
27 Vinyl acetate	43	4.392	4.393	-0.001	97	4232197	0	
28 cis-1,2-Dichloroethene	61	4.645	4.646	-0.001	83	574113	38.6	
29 2,2-Dichloropropane	77	4.746	4.747	-0.001	66	456966	35.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.822	4.823	-0.001	60	196830	0	
30 Cyclohexane	56	4.830	4.832	-0.002	83	656000	0	
32 Chloroform	83	4.873	4.874	-0.001	93	677292	38.0	
34 Ethyl acetate	43	4.965	4.966	-0.001	97	1664203	0	
36 sec-Butyl Alcohol	45	4.999	5.000	-0.001	72	837274	0	
33 Carbon tetrachloride	117	4.999	5.000	-0.001	92	431690	37.4	M
35 Tetrahydrofuran	42	5.016	5.008	0.008	57	472336	382.9	
$ 37 Dibromofluoromethane	113	5.033	5.034	-0.001	72	153429	19.7	
38 1,1,1-Trichloroethane	97	5.058	5.059	-0.001	48	546311	37.9	
39 2-Butanone (MEK)	43	5.134	5.135	-0.001	99	783592	423.2	
40 1,1-Dichloropropene	75	5.159	5.160	-0.001	90	521876	40.3	
41 n-Heptane	43	5.319	5.320	-0.001	93	593453	0	
42 Benzene	78	5.361	5.362	-0.001	96	1435822	39.2	
43 Tert-amyl methyl ether	73	5.446	5.447	-0.001	97	807952	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.471	5.472	-0.001	0	31105	20.0	
45 1,2-Dichloroethane	62	5.530	5.531	-0.001	91	361568	40.1	
* 46 Fluorobenzene	96	5.698	5.699	-0.001	50	645677	20.0	
48 Isopropyl acetate	43	5.707	5.708	-0.001	98	3081161	0	
47 2,4,4-Trimethyl-1-pentene	55	5.724	5.725	-0.001	82	275483	0	
50 Trichloroethene	95	5.825	5.826	-0.001	74	378047	36.5	
49 Methylcyclohexane	83	5.825	5.826	-0.001	86	600837	36.9	
51 2,4,4-Trimethyl-2-pentene	112	5.850	5.851	-0.001	89	218298	0	
52 Dibromomethane	93	6.170	6.171	-0.001	92	174837	41.1	
53 1,2-Dichloropropane	63	6.246	6.247	-0.001	64	309402	37.7	
54 Dichlorobromomethane	83	6.288	6.289	-0.001	95	441476	40.2	
55 Methyl methacrylate	69	6.398	6.399	-0.001	91	127812	0	
56 1,4-Dioxane	88	6.448	6.449	-0.001	58	15290	0	
57 n-Propyl acetate	43	6.499	6.500	-0.001	97	2099297	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.777	6.778	-0.001	90	531697	42.4	
$ 60 Toluene-d8 (Surr)	98	6.920	6.921	-0.001	82	654363	20.8	
61 Toluene	92	6.962	6.964	-0.002	93	896345	39.6	
63 4-Methyl-2-pentanone (MIBK)	43	7.240	7.242	-0.002	96	1538299	422.3	
62 Tetrachloroethene	166	7.257	7.258	-0.001	63	333774	38.4	
64 trans-1,3-Dichloropropene	75	7.274	7.275	-0.001	92	344719	41.1	
65 Isobutyl acetate	43	7.325	7.326	-0.001	94	3696816	0	
66 1,1,2-Trichloroethane	83	7.401	7.402	-0.001	90	166320	40.6	
67 Chlorodibromomethane	129	7.544	7.537	0.007	87	262850	33.3	
68 1,3-Dichloropropane	76	7.611	7.612	-0.001	91	357846	33.2	
69 Ethylene Dibromide	107	7.738	7.730	0.008	97	201085	32.5	
70 n-Butyl acetate	43	7.797	7.798	-0.001	99	2238735	0	
71 2-Hexanone	43	7.881	7.882	-0.001	95	1032292	430.3	
* 72 Chlorobenzene-d5	117	8.117	8.118	-0.001	85	443726	20.0	
73 Chlorobenzene	112	8.134	8.126	0.008	82	833878	38.2	
74 Ethylbenzene	91	8.142	8.143	-0.001	97	1487829	36.3	
75 1,1,1,2-Tetrachloroethane	131	8.176	8.177	-0.001	59	312446	38.6	
76 m-Xylene & p-Xylene	91	8.252	8.253	-0.001	97	2256678	93.2	
77 o-Xylene	91	8.589	8.581	0.008	96	1311272	37.6	
78 Styrene	104	8.622	8.624	-0.002	96	992643	39.5	
79 Bromoform	173	8.656	8.657	-0.001	81	138359	34.4	
80 Isopropylbenzene	105	8.825	8.826	-0.001	95	1647316	38.1	
$ 82 4-Bromofluorobenzene	95	9.052	9.053	-0.001	86	243959	19.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	9.052	9.053	-0.001	0	243959	0	
83 Bromobenzene	77	9.137	9.138	-0.002	57	584913	37.2	
84 N-Propylbenzene	91	9.145	9.146	-0.001	96	1803946	48.4	
85 1,1,2,2-Tetrachloroethane	83	9.195	9.197	-0.002	75	231466	42.0	
86 2-Chlorotoluene	91	9.280	9.272	0.008	95	1226160	47.0	
87 1,3,5-Trimethylbenzene	105	9.297	9.289	0.008	90	1253812	47.4	
88 1,2,3-Trichloropropane	110	9.313	9.315	-0.002	84	61115	38.8	
89 trans-1,4-Dichloro-2-butene	53	9.288	9.331	-0.043	29	38223	36.2	
90 4-Chlorotoluene	91	9.406	9.407	-0.001	93	1218970	38.1	
91 tert-Butylbenzene	119	9.549	9.551	-0.002	87	1105616	37.8	
92 1,2,4-Trimethylbenzene	105	9.600	9.601	-0.001	90	1310415	43.9	
93 sec-Butylbenzene	105	9.684	9.685	-0.001	95	1771796	36.6	
94 4-Isopropyltoluene	119	9.794	9.795	-0.001	89	1364727	37.2	
95 1,3-Dichlorobenzene	146	9.878	9.871	0.007	97	699523	36.8	
* 96 1,4-Dichlorobenzene-d4	115	9.929	9.930	-0.001	73	129305	20.0	
97 1,4-Dichlorobenzene	146	9.945	9.947	-0.002	90	668906	38.2	
98 n-Butylbenzene	91	10.148	10.149	-0.001	95	1395366	38.3	
99 1,2-Dichlorobenzene	146	10.316	10.317	-0.001	95	613061	39.2	
100 1,2-Dibromo-3-Chloropropane	157	11.125	11.118	0.007	78	38393	42.5	
101 1,3,5-Trichlorobenzene	180	11.159	11.152	0.007	94	475322	0	
102 Hexachlorobutadiene	225	11.917	11.918	-0.001	85	253546	40.6	
103 1,2,4-Trichlorobenzene	180	11.968	11.969	-0.001	85	374244	40.4	
104 Naphthalene	128	12.457	12.458	-0.001	97	572491	43.3	
105 1,2,3-Trichlorobenzene	180	12.752	12.753	-0.001	95	303429	42.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Nov-2011 14:21:40 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55152.D

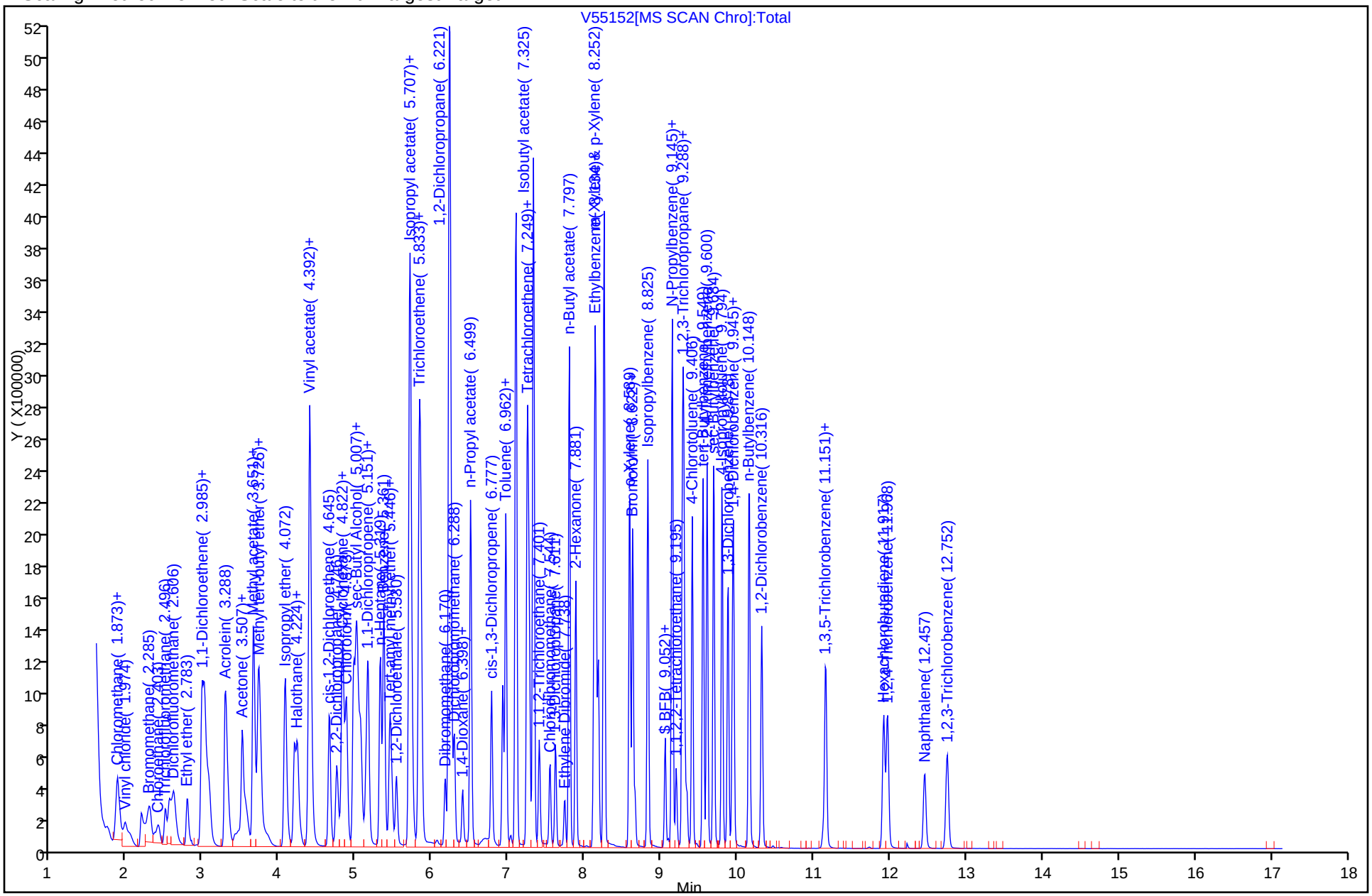
Injection Date: 28-Nov-2011 19:12:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 7

Operator ID: bw

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 30-Nov-2011 14:21:40 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55152.D

Injection Date: 28-Nov-2011 19:12:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

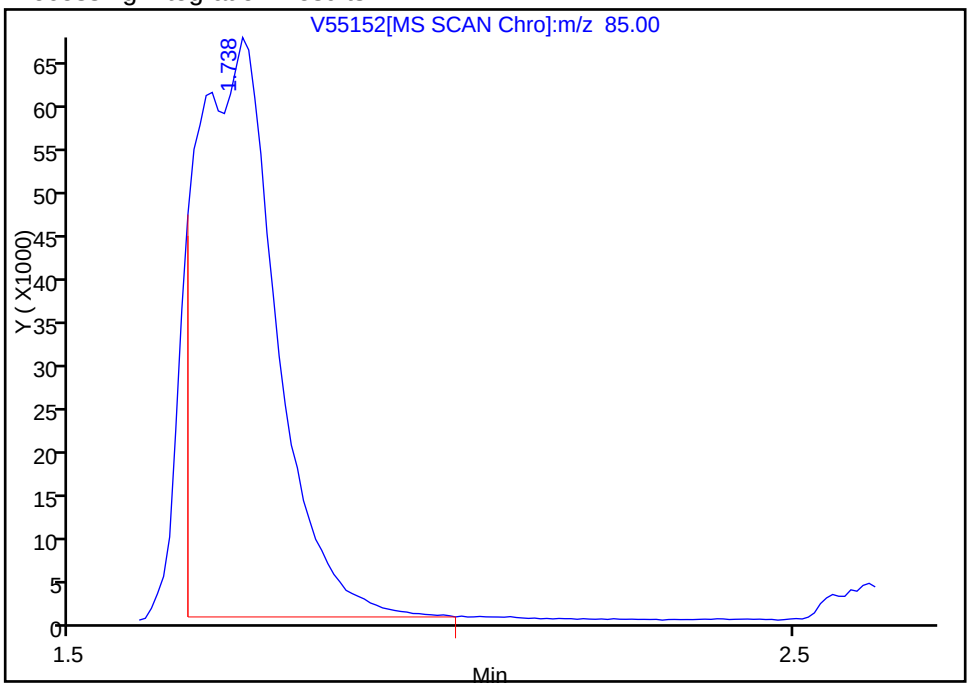
Lims Batch ID: 83953 Lims Sample ID: 7

Operator ID: bw

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

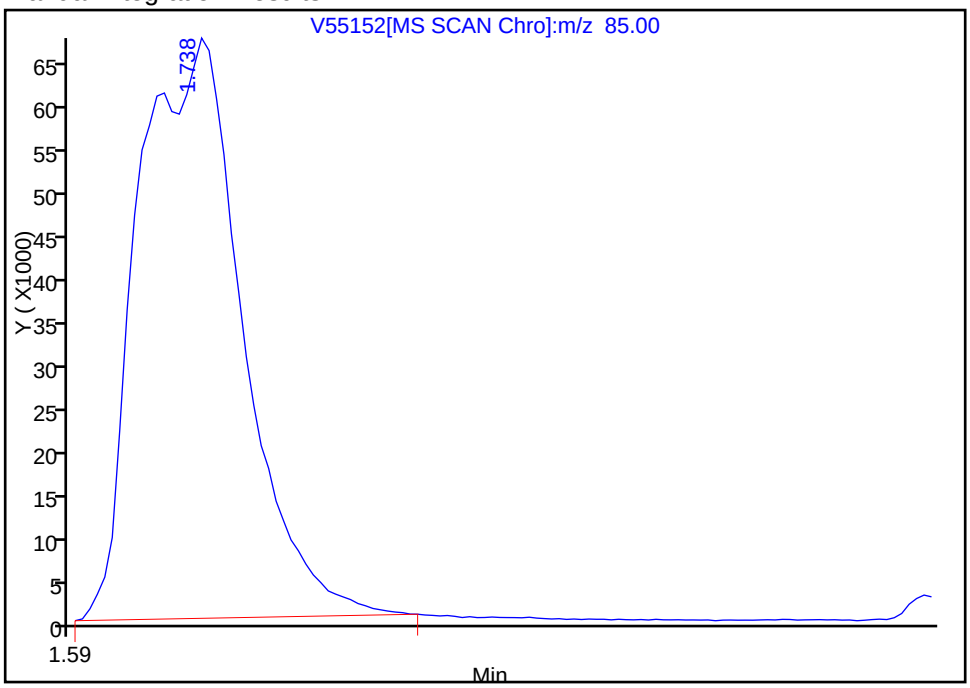
Processing Integration Results

RT: 1.74
Response: 511408
Amount: 37.050097



Manual Integration Results

RT: 1.74
Response: 548125
Amount: 38.695867



Reviewer: weigelb, 30-Nov-2011 10:22:20

Audit Action: Manually Integrated

Audit Reason: Split Peak

Report Date: 30-Nov-2011 14:21:40 Chrom Revision: 2.0 29-Sep-2011 09:38:02

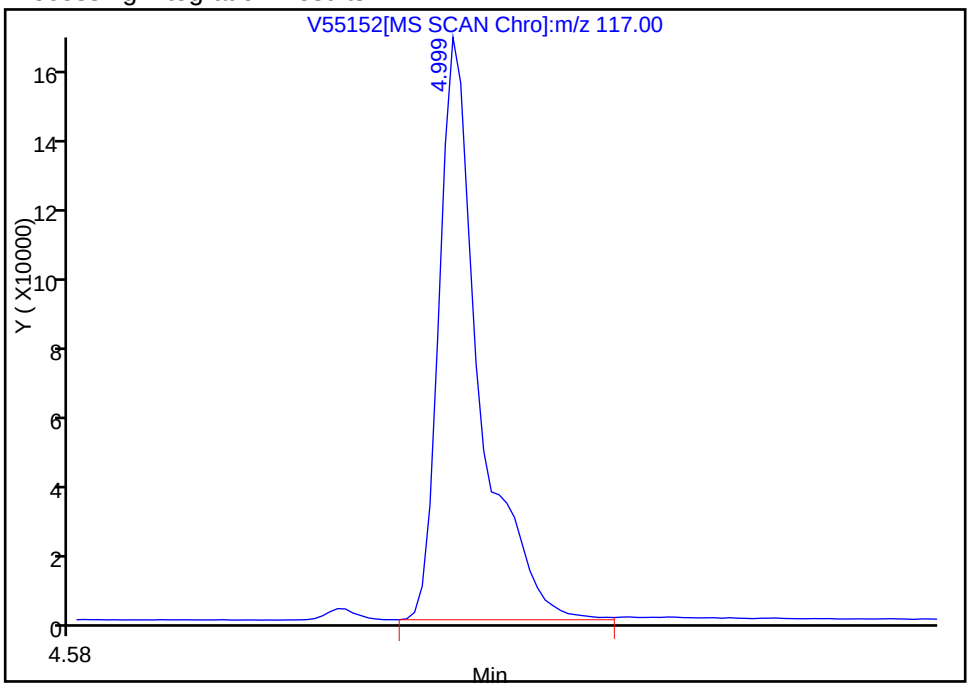
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55152.D		
Injection Date:	28-Nov-2011 19:12:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:		Instrument ID:	HP #1 GC/MS
Lims Batch ID:	83953	Lims Sample ID:	7
Operator ID:	bw		

33 Carbon tetrachloride, Signal: 1, m/z: 117.0 Type: quant, RT: 5.00

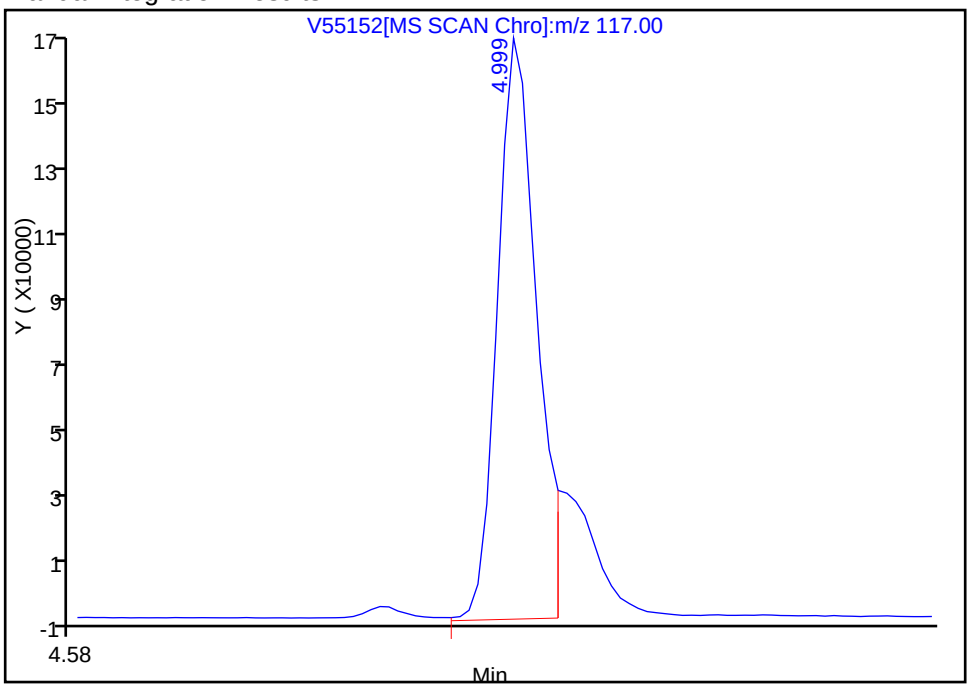
Processing Integration Results

RT: 5.00
Response: 510237
Amount: 42.019817



Manual Integration Results

RT: 5.00
Response: 431690
Amount: 37.394825



Reviewer: weigelb, 29-Nov-2011 09:09:00
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Lims ID: STD160 Client ID:
Inject. Date: 28-Nov-2011 19:38:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD80
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 83953 Lims Sample ID: 8
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 14:21:41 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 29-Nov-2011 08:58:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.737	1.747	-0.010	100	2039075	193.4	M
2 Chloromethane	50	1.881	1.865	0.016	99	2398826	181.9	
3 Vinyl chloride	62	1.973	1.975	-0.002	75	1934020	177.4	
4 Bromomethane	94	2.294	2.295	-0.001	91	965252	139.5	
5 Chloroethane	64	2.403	2.396	0.007	100	731258	158.9	
6 Trichlorofluoromethane	101	2.496	2.506	-0.010	78	1845975	159.8	
7 Dichlorofluoromethane	67	2.605	2.607	-0.002	94	2107022	0	
8 Ethyl ether	59	2.782	2.792	-0.010	93	771176	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.976	2.978	-0.002	68	1002690	0	
9 1,1-Dichloroethene	96	2.976	2.986	-0.010	97	1081100	156.1	
11 Ethanol	45	3.060	3.003	0.057	21	227863	0	
10 Carbon disulfide	76	3.010	3.011	-0.001	99	3167767	153.9	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.069	3.070	-0.001	94	793162	171.6	
14 Acrolein	56	3.288	3.289	-0.001	95	4196307	0	
15 Isopropyl alcohol	45	3.473	3.466	0.007	86	1863467	0	
16 Methylene Chloride	84	3.507	3.509	-0.001	94	1291127	165.5	
17 Acetone	43	3.558	3.559	-0.001	94	1552956	1564.0	
18 trans-1,2-Dichloroethene	61	3.650	3.652	-0.002	91	1840768	159.3	
19 Methyl acetate	43	3.659	3.660	-0.001	94	4170868	1787.0	M
20 Hexane	57	3.718	3.719	-0.001	71	2436016	0	
21 Methyl tert-butyl ether	73	3.743	3.744	-0.001	56	2527359	190.0	
22 2-Methyl-2-propanol	59	3.853	3.837	0.016	12	737220	0	
23 Isopropyl ether	45	4.072	4.073	-0.001	97	4591823	0	
24 1,1-Dichloroethane	63	4.190	4.191	-0.001	94	2620436	178.7	
125 Halothane	117	4.232	4.233	-0.001	88	1018239	0	
25 Acrylonitrile	53	4.240	4.242	-0.002	41	223832	189.7	
26 Tert-butyl ethyl ether	59	4.375	4.385	-0.010	68	3219043	0	
27 Vinyl acetate	43	4.400	4.393	0.007	97	12172168	0	
28 cis-1,2-Dichloroethene	61	4.645	4.646	-0.001	83	2009554	181.6	
29 2,2-Dichloropropane	77	4.746	4.747	-0.001	63	1534015	157.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.822	4.823	-0.001	75	680084	0	
30 Cyclohexane	56	4.830	4.832	-0.002	84	2076743	0	
32 Chloroform	83	4.881	4.874	0.007	93	2310165	174.3	
34 Ethyl acetate	43	4.965	4.966	-0.001	99	5924618	0	
36 sec-Butyl Alcohol	45	5.032	5.000	0.032	78	2867056	0	
33 Carbon tetrachloride	117	5.007	5.000	0.007	91	1560872	181.6	M
35 Tetrahydrofuran	42	5.015	5.008	0.007	77	1692351	1842.5	
$ 37 Dibromofluoromethane	113	5.032	5.034	-0.002	28	126478	21.8	
38 1,1,1-Trichloroethane	97	5.066	5.059	0.007	65	1965292	183.2	
39 2-Butanone (MEK)	43	5.133	5.135	-0.002	96	2612281	1516.0	
40 1,1-Dichloropropene	75	5.159	5.160	-0.001	89	1709909	177.4	
41 n-Heptane	43	5.319	5.320	-0.001	92	1938440	0	
42 Benzene	78	5.369	5.362	0.007	95	4685680	171.6	
43 Tert-amyl methyl ether	73	5.445	5.447	-0.002	88	2923047	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.479	5.472	0.007	0	28946	20.0	
45 1,2-Dichloroethane	62	5.529	5.531	-0.002	92	1413480	210.6	
* 46 Fluorobenzene	96	5.690	5.699	-0.009	42	480698	20.0	
48 Isopropyl acetate	43	5.706	5.708	-0.002	99	9708111	0	
47 2,4,4-Trimethyl-1-pentene	55	5.740	5.725	0.015	95	825556	0	
50 Trichloroethene	95	5.833	5.826	0.007	84	1091835	141.6	
49 Methylcyclohexane	83	5.833	5.826	0.007	84	1727872	142.7	
51 2,4,4-Trimethyl-2-pentene	112	5.858	5.851	0.007	87	694218	0	
52 Dibromomethane	93	6.170	6.171	-0.001	86	657249	207.3	
53 1,2-Dichloropropane	63	6.254	6.247	0.007	63	805186	131.8	
54 Dichlorobromomethane	83	6.296	6.289	0.007	97	1666358	204.0	
55 Methyl methacrylate	69	6.397	6.399	-0.002	91	558869	0	
56 1,4-Dioxane	88	6.465	6.449	0.016	73	57885	0	
57 n-Propyl acetate	43	6.507	6.500	0.007	98	7476348	0	
58 2-Chloroethyl vinyl ether	63	6.726	6.708	0.018	45	37958	0	
59 cis-1,3-Dichloropropene	75	6.777	6.778	-0.001	85	1951772	209.2	
$ 60 Toluene-d8 (Surr)	98	6.928	6.921	0.007	82	632644	27.1	
61 Toluene	92	6.970	6.964	0.006	92	2920969	173.1	
63 4-Methyl-2-pentanone (MIBK)	43	7.249	7.242	0.007	96	4120602	1215.6	
62 Tetrachloroethene	166	7.265	7.258	0.007	75	1025536	158.6	
64 trans-1,3-Dichloropropene	75	7.282	7.275	0.007	93	1276012	204.6	
65 Isobutyl acetate	43	7.333	7.326	0.007	83	10082513	0	
66 1,1,2-Trichloroethane	83	7.409	7.402	0.007	80	627971	205.8	
67 Chlorodibromomethane	129	7.543	7.537	0.006	87	1036588	161.9	
68 1,3-Dichloropropane	76	7.619	7.612	0.007	90	1414153	162.0	
69 Ethylene Dibromide	107	7.737	7.730	0.007	98	820920	162.1	
70 n-Butyl acetate	43	7.796	7.798	-0.002	98	6921079	0	
71 2-Hexanone	43	7.881	7.882	-0.001	95	3420228	1532.0	
* 72 Chlorobenzene-d5	117	8.116	8.118	-0.002	59	381938	20.0	
73 Chlorobenzene	112	8.133	8.126	0.007	88	2507876	133.5	
74 Ethylbenzene	91	8.150	8.143	0.007	97	4159930	118.0	
75 1,1,1,2-Tetrachloroethane	131	8.184	8.177	0.007	71	1070719	153.8	
76 m-Xylene & p-Xylene	91	8.260	8.253	0.007	97	6198077	315.9	
77 o-Xylene	91	8.588	8.581	0.007	97	3861926	128.6	
78 Styrene	104	8.631	8.624	0.007	87	3010229	139.3	
79 Bromoform	173	8.664	8.657	0.007	65	536897	161.6	
80 Isopropylbenzene	105	8.824	8.826	-0.002	96	4850336	130.2	
$ 82 4-Bromofluorobenzene	95	9.052	9.053	-0.001	82	224905	21.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	8.175	9.053	-0.878	0	409819	0	
83 Bromobenzene	77	9.145	9.138	0.007	61	1640079	121.1	
84 N-Propylbenzene	91	9.153	9.146	0.007	96	4703920	157.4	
85 1,1,2,2-Tetrachloroethane	83	9.195	9.197	-0.002	77	796889	187.0	
86 2-Chlorotoluene	91	9.279	9.272	0.007	93	3329280	157.8	
87 1,3,5-Trimethylbenzene	105	9.296	9.289	0.007	86	3357357	157.7	
88 1,2,3-Trichloropropane	110	9.322	9.315	0.007	87	201266	148.4	
89 trans-1,4-Dichloro-2-butene	53	9.296	9.331	-0.035	32	102128	160.3	
90 4-Chlorotoluene	91	9.414	9.407	0.007	94	3556224	129.2	
91 tert-Butylbenzene	119	9.549	9.551	-0.002	87	3196797	127.0	
92 1,2,4-Trimethylbenzene	105	9.608	9.601	0.007	20	3764708	158.6	
93 sec-Butylbenzene	105	9.692	9.685	0.007	95	4966512	119.2	
94 4-Isopropyltoluene	119	9.802	9.795	0.007	92	3866013	122.4	
95 1,3-Dichlorobenzene	146	9.878	9.871	0.007	96	2055185	125.8	
* 96 1,4-Dichlorobenzene-d4	115	9.937	9.930	0.007	90	99941	20.0	
97 1,4-Dichlorobenzene	146	9.954	9.947	0.007	91	2046697	151.2	
98 n-Butylbenzene	91	10.156	10.149	0.007	94	3734008	132.7	
99 1,2-Dichlorobenzene	146	10.324	10.317	0.007	96	1854945	153.3	
100 1,2-Dibromo-3-Chloropropane	157	11.125	11.118	0.007	81	137701	197.3	
101 1,3,5-Trichlorobenzene	180	11.159	11.152	0.007	92	1519557	0	
102 Hexachlorobutadiene	225	11.925	11.918	0.007	84	779353	161.6	
103 1,2,4-Trichlorobenzene	180	11.976	11.969	0.007	84	1234863	172.4	
104 Naphthalene	128	12.456	12.458	-0.002	97	2009403	196.8	
105 1,2,3-Trichlorobenzene	180	12.760	12.753	0.007	94	1038866	187.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Nov-2011 14:21:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D

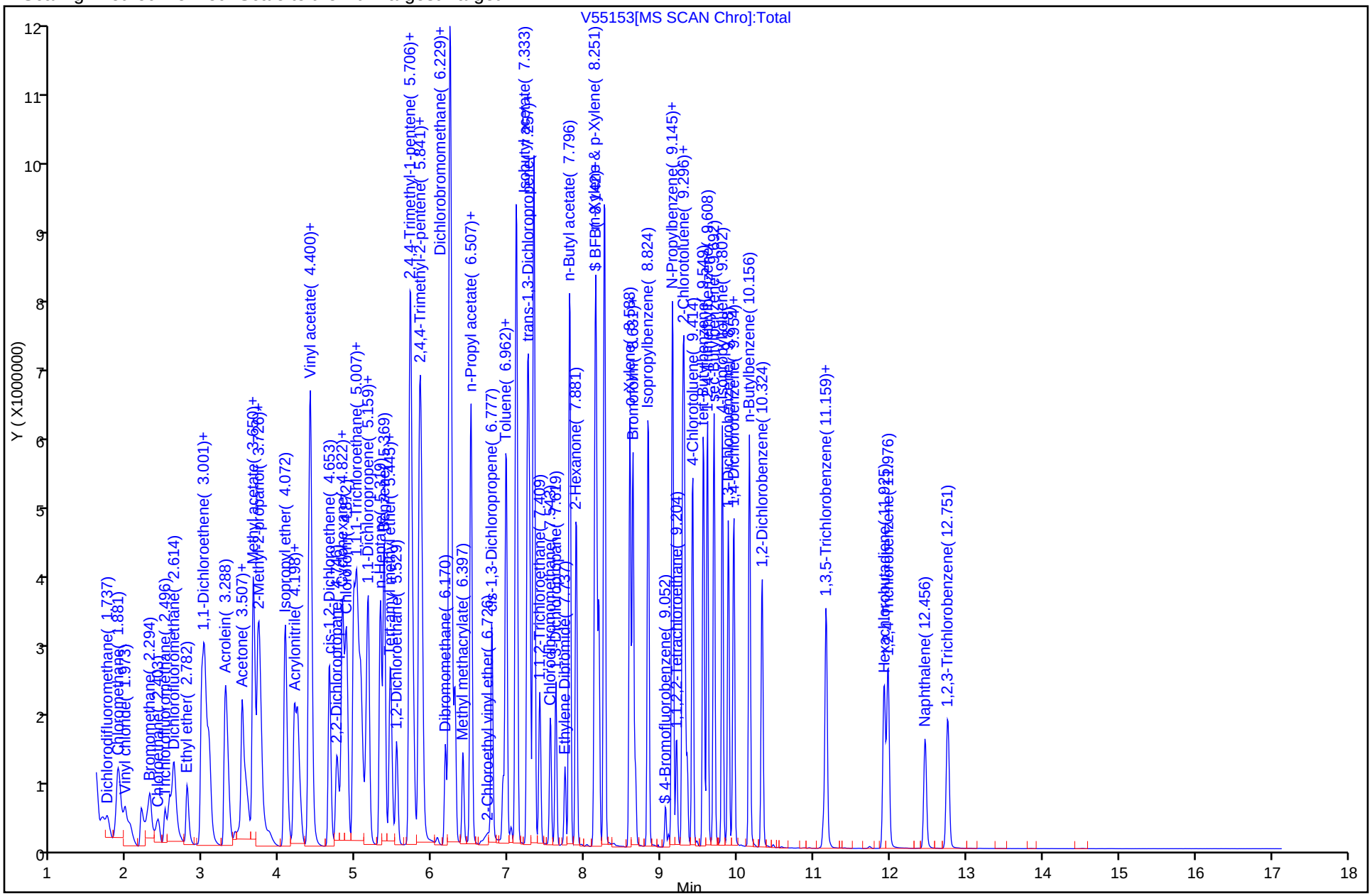
Injection Date: 28-Nov-2011 19:38:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 8

Operator ID: bw

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 30-Nov-2011 14:21:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D

Injection Date: 28-Nov-2011 19:38:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

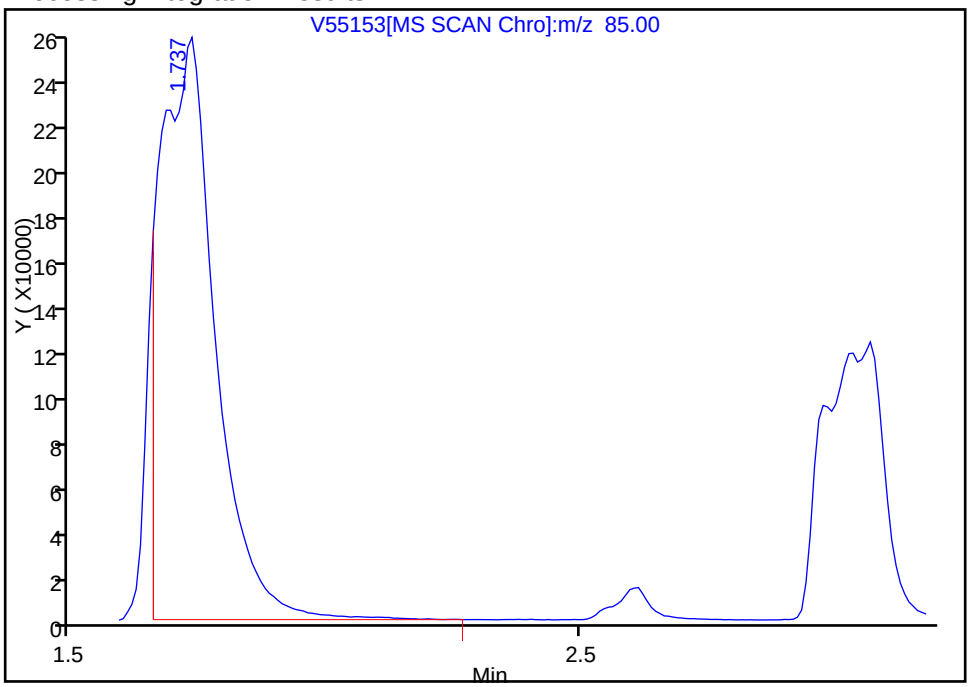
Lims Batch ID: 83953 Lims Sample ID: 8

Operator ID: bw

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

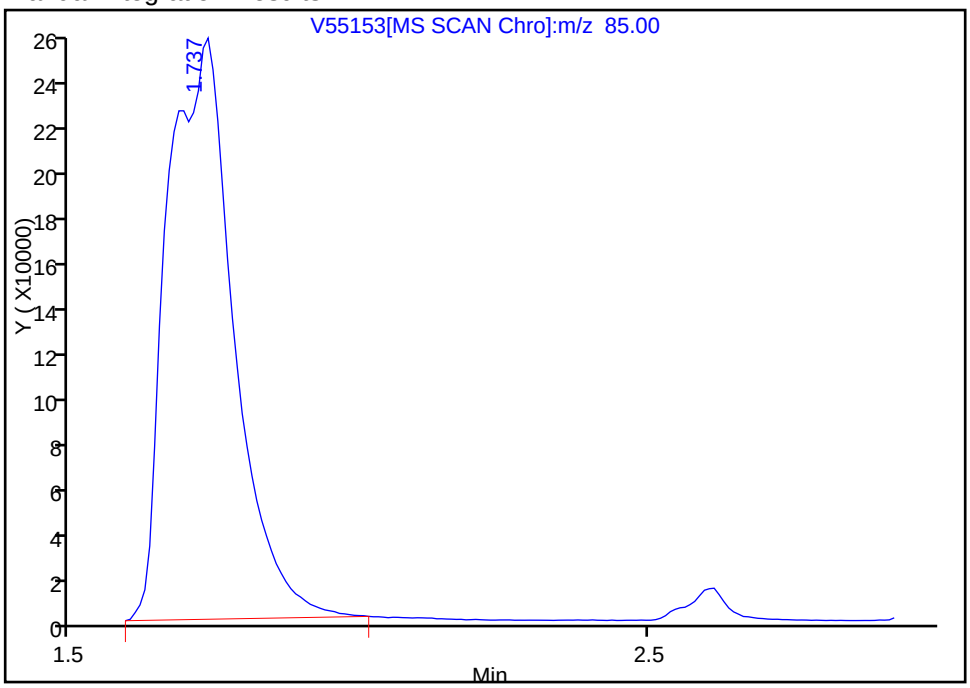
Processing Integration Results

RT: 1.74
Response: 1935816
Amount: 190.0828



Manual Integration Results

RT: 1.74
Response: 2039075
Amount: 193.3576



Reviewer: weigelb, 30-Nov-2011 10:22:07

Audit Action: Manually Integrated

Audit Reason: Split Peak

Report Date: 30-Nov-2011 14:21:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D

Injection Date: 28-Nov-2011 19:38:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

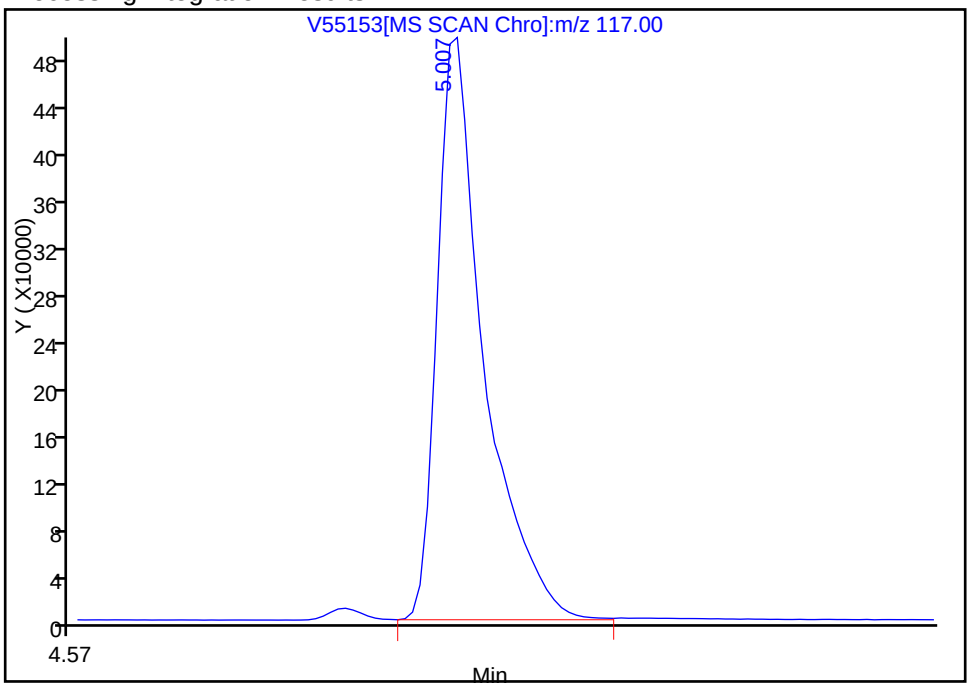
Lims Batch ID: 83953 Lims Sample ID: 8

Operator ID: bw

33 Carbon tetrachloride, Signal: 1, m/z: 117.0 Type: quant, RT: 5.00

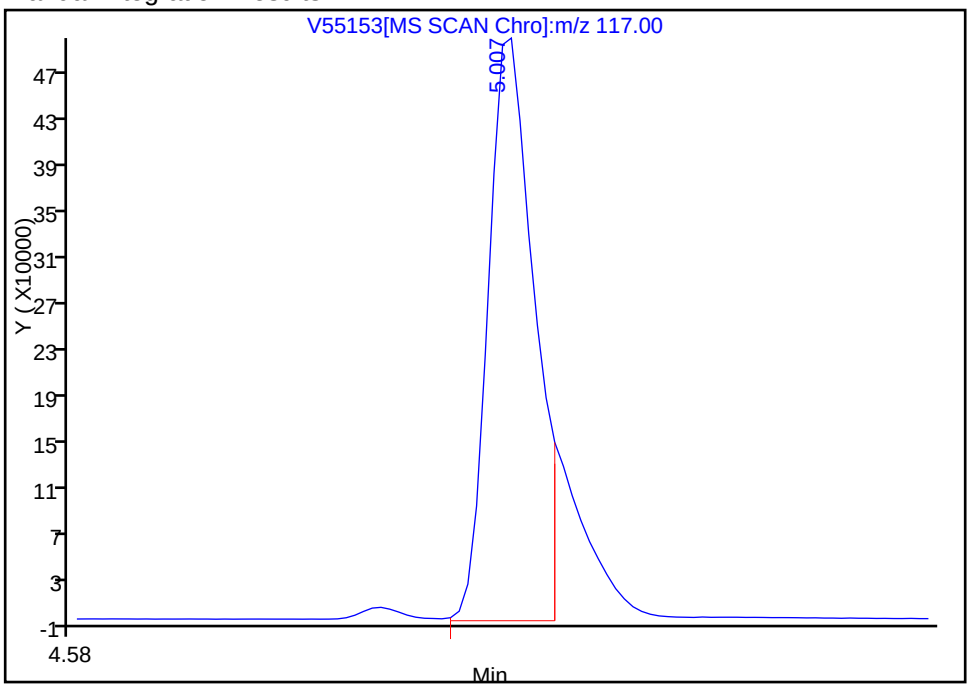
Processing Integration Results

RT: 5.01
Response: 1826141
Amount: 206.7809



Manual Integration Results

RT: 5.01
Response: 1560872
Amount: 181.6142



Reviewer: weigelb, 29-Nov-2011 15:41:14

Audit Action: Manually Integrated

Audit Reason: Shouldering

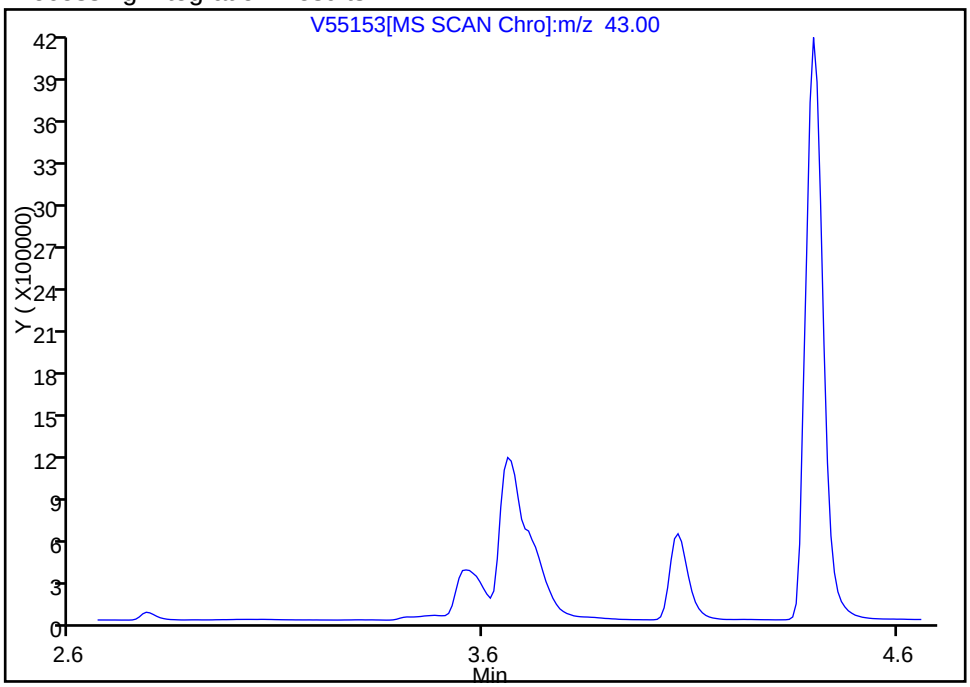
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Injection Date:	28-Nov-2011 19:38:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:		Instrument ID:	HP #1 GC/MS
Lims Batch ID:	83953	Lims Sample ID:	8
Operator ID:	bw		

19 Methyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.66

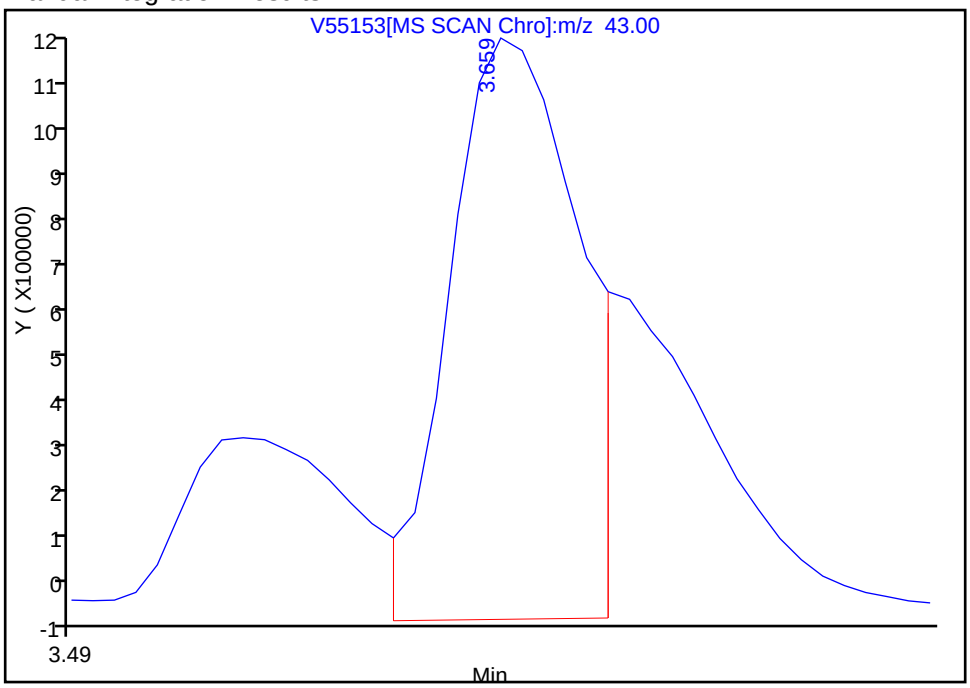
Not Detected
Expected RT: 3.66

Processing Integration Results



Manual Integration Results

RT: 3.66
Response: 4170868
Amount: 1786.9879



Reviewer: weigelb, 30-Nov-2011 10:34:44
Audit Action: Manually Integrated
Audit Reason: Wrong peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVIS 360-84385/2 Calibration Date: 12/01/2011 17:44

Instrument ID: HP #1 GC/MS Calib Start Date: 11/28/2011 17:05

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/28/2011 19:38

Lab File ID: V55209.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4388	0.4406		101	100	0.4	30.0
Chloromethane	Ave	0.5487	0.6520	0.1000	119	100	18.8	30.0
Vinyl chloride	Ave	0.4537	0.5122		113	100	12.9	20.0
Bromomethane	Ave	0.2879	0.3129		109	100	8.7	30.0
Chloroethane	Lin		0.2923		142	100	41.5*	30.0
Trichlorofluoromethane	Ave	0.4807	0.4745		98.5	100	-1.3	30.0
1,1-Dichloroethene	Ave	0.2882	0.2951		103	100	2.4	20.0
Carbon disulfide	Ave	0.8562	0.9233		108	100	7.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1924	0.1696		88.0	100	-11.8	30.0
Methylene Chloride	Lin1		0.3319		99.0	100	-1.0	30.0
Acetone	Lin2		0.8872		1270	1000	27.2	30.0
Methyl acetate	Ave	0.0971	0.1213		1250	1000	24.9	30.0
trans-1,2-Dichloroethene	Ave	0.4806	0.5374		112	100	11.8	30.0
Methyl tert-butyl ether	Ave	0.5533	0.5824		106	100	5.3	30.0
1,1-Dichloroethane	Ave	0.6101	0.6634	0.1000	109	100	8.7	30.0
Acrylonitrile	Ave	0.0491	0.0562		115	100	14.4	30.0
cis-1,2-Dichloroethene	Ave	0.4605	0.5123		111	100	11.2	30.0
2,2-Dichloropropane	Ave	0.4048	0.4357		108	100	7.6	30.0
Chloroform	Ave	0.5514	0.5857		106	100	6.2	20.0
Carbon tetrachloride	Ave	0.3576	0.3358		94.0	100	-6.1	30.0
Tetrahydrofuran	Ave	0.0382	0.0472		1240	1000	23.5	30.0
1,1,1-Trichloroethane	Ave	0.4463	0.4340		97.0	100	-2.8	30.0
2-Butanone (MEK)	Ave	1.191	1.648		1380	1000	38.4*	30.0
1,1-Dichloropropene	Ave	0.4011	0.4579		114	100	14.2	30.0
Benzene	Ave	1.136	1.272		112	100	12.0	30.0
1,2-Dichloroethane	Ave	0.2793	0.2862		103	100	2.5	30.0
Methylcyclohexane	Ave	0.5039	0.5697		113	100	13.0	30.0
Trichloroethene	Ave	0.3207	0.3252		102	100	1.4	30.0
Dibromomethane	Ave	0.1319	0.1346		102	100	2.0	30.0
1,2-Dichloropropane	Ave	0.2541	0.3033		120	100	19.4	20.0
Dichlorobromomethane	Ave	0.3399	0.3614		107	100	6.3	30.0
cis-1,3-Dichloropropene	Ave	0.3882	0.4499		116	100	15.9	30.0
Toluene	Ave	0.7019	0.7757		111	100	10.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	2.342	3.561		1520	1000	52.0*	30.0
Tetrachloroethene	Ave	0.2691	0.2654		98.5	100	-1.4	30.0
trans-1,3-Dichloropropene	Ave	0.2595	0.3038		117	100	17.1	30.0
1,1,2-Trichloroethane	Ave	0.1270	0.1461		115	100	15.1	30.0
Chlorodibromomethane	Lin		0.1927		87.5	100	-12.5	30.0
1,3-Dichloropropane	Lin		0.3076		99.5	100	-0.5	30.0
Ethylene Dibromide	Lin		0.1565		90.5	100	-9.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVIS 360-84385/2 Calibration Date: 12/01/2011 17:44

Instrument ID: HP #1 GC/MS Calib Start Date: 11/28/2011 17:05

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/28/2011 19:38

Lab File ID: V55209.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Hexanone	Ave	1.542	2.269		1470	1000	47.1*	30.0
Chlorobenzene	Ave	0.9835	1.034	0.3000	105	100	5.1	30.0
Ethylbenzene	Ave	1.845	2.045		111	100	10.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3645	0.3556		97.5	100	-2.4	30.0
m-Xylene & p-Xylene	Lin		1.569		271	200	35.5*	30.0
o-Xylene	Ave	1.572	1.690		108	100	7.5	30.0
Styrene	Ave	1.132	1.213		107	100	7.2	30.0
Bromoform	Lin		0.5287	0.1000	92.0	100	-8.0	30.0
Isopropylbenzene	Ave	1.951	2.050		105	100	5.1	30.0
Bromobenzene	Ave	0.7093	0.7965		113	100	12.3	30.0
N-Propylbenzene	Lin		2.512		139	100	39.0*	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8529	1.039	0.3000	122	100	21.8	30.0
2-Chlorotoluene	Lin		1.662		133	100	32.5*	30.0
1,3,5-Trimethylbenzene	Lin		1.563		121	100	20.5	30.0
1,2,3-Trichloropropane	Ave	0.0710	0.0683		96.0	100	-3.8	30.0
trans-1,4-Dichloro-2-butene	Qua		0.0731		150	100	50.0*	30.0
4-Chlorotoluene	Ave	1.441	1.539		107	100	6.8	30.0
tert-Butylbenzene	Ave	1.318	1.321		101	100	0.3	30.0
1,2,4-Trimethylbenzene	Lin		1.565		105	100	4.5	30.0
sec-Butylbenzene	Ave	2.182	2.245		103	100	2.9	30.0
4-Isopropyltoluene	Ave	1.655	1.617		98.0	100	-2.2	30.0
1,3-Dichlorobenzene	Ave	0.8558	0.8137		95.0	100	-4.9	30.0
1,4-Dichlorobenzene	Ave	2.709	2.878		106	100	6.2	30.0
n-Butylbenzene	Ave	5.631	6.596		117	100	17.1	30.0
1,2-Dichlorobenzene	Ave	2.422	2.496		103	100	3.1	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1397	0.1246		89.0	100	-10.8	30.0
Hexachlorobutadiene	Ave	0.9652	0.8663		90.0	100	-10.2	30.0
1,2,4-Trichlorobenzene	Ave	1.433	1.301		91.0	100	-9.2	30.0
Naphthalene	Ave	2.043	1.931		94.5	100	-5.5	30.0
1,2,3-Trichlorobenzene	Ave	1.109	1.006		90.5	100	-9.3	30.0
Dibromofluoromethane	Ave	0.2411	0.2161		89.5	100	-10.4	30.0
Toluene-d8 (Surr)	Ave	0.9722	0.9562		98.5	100	-1.6	30.0
4-Bromofluorobenzene	Ave	0.5516	0.5502		99.5	100	-0.3	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55209.D
Lims ID: CCVIS Client ID:
Inject. Date: 01-Dec-2011 17:44:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 8260HL =8260HL
Operator: BW Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 84385 Lims Sample ID: 2
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\WES1SOIL.m
Last Update: 07-Dec-2011 16:01:05 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 06-Dec-2011 15:43:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.723	1.723	0.0	0	288205	20.1	M
2 Chloromethane	50	1.849	1.849	0.0	89	426561	23.8	
3 Vinyl chloride	62	1.959	1.959	0.0	75	335060	22.6	
4 Bromomethane	94	2.262	2.262	0.0	91	204698	21.7	
5 Chloroethane	64	2.388	2.388	0.0	99	191208	28.3	
6 Trichlorofluoromethane	101	2.489	2.489	0.0	78	310401	19.7	
7 Dichlorofluoromethane	67	2.574	2.574	0.0	79	437372	0	
8 Ethyl ether	59	2.768	2.768	0.0	97	145423	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.961	2.961	0.0	72	163458	0	
9 1,1-Dichloroethene	96	2.970	2.970	0.0	97	193046	20.5	
11 Ethanol	45	2.987	2.987	0.0	18	45894	0	
10 Carbon disulfide	76	2.995	2.995	0.0	99	604032	21.6	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.037	3.037	0.0	64	110959	17.6	
14 Acrolein	56	3.273	3.273	0.0	94	921127	0	
15 Isopropyl alcohol	45	3.442	3.442	0.0	86	279365	0	
16 Methylene Chloride	84	3.492	3.492	0.0	99	217098	19.8	
17 Acetone	43	3.534	3.534	0.0	95	246634	254.3	
18 trans-1,2-Dichloroethene	61	3.636	3.636	0.0	69	351565	22.4	
19 Methyl acetate	43	3.636	3.636	0.0	99	793574	249.8	
20 Hexane	57	3.703	3.703	0.0	71	464116	0	
21 Methyl tert-butyl ether	73	3.728	3.728	0.0	55	380999	21.1	
22 2-Methyl-2-propanol	59	3.821	3.821	0.0	12	95809	0	
23 Isopropyl ether	45	4.048	4.048	0.0	99	877578	0	
24 1,1-Dichloroethane	63	4.175	4.175	0.0	94	433957	21.7	
125 Halothane	117	4.209	4.209	0.0	92	144803	0	
25 Acrylonitrile	53	4.217	4.217	0.0	38	36749	22.9	
26 Tert-butyl ethyl ether	59	4.360	4.360	0.0	46	594068	0	
27 Vinyl acetate	43	4.377	4.377	0.0	97	2704166	0	
28 cis-1,2-Dichloroethene	61	4.630	4.630	0.0	71	335139	22.2	
29 2,2-Dichloropropane	77	4.723	4.723	0.0	65	285027	21.5	

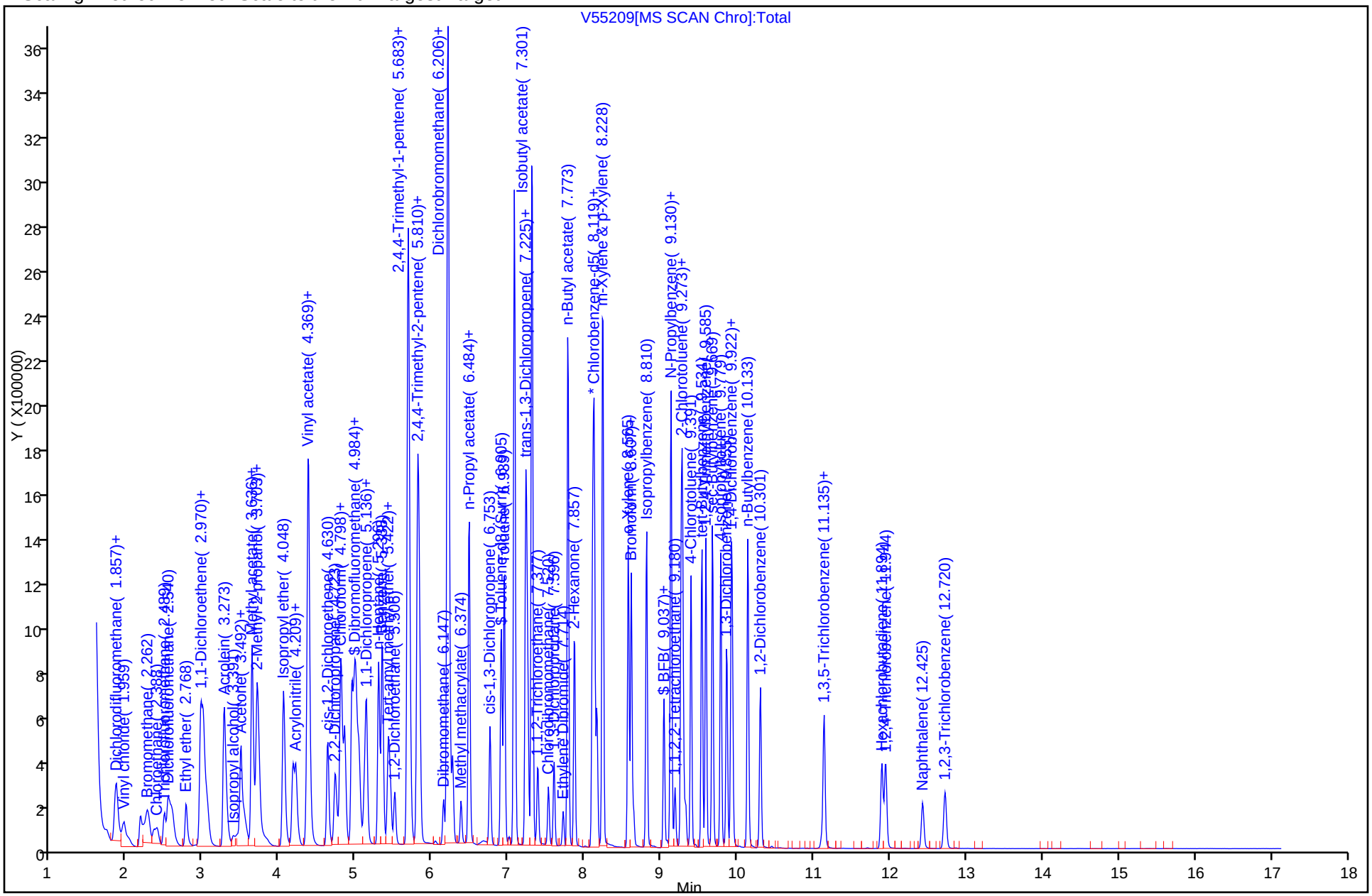
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.798	4.798	0.0	57	95694	0	
30 Cyclohexane	56	4.807	4.807	0.0	81	426099	0	
32 Chloroform	83	4.849	4.849	0.0	95	383139	21.2	
34 Ethyl acetate	43	4.942	4.942	0.0	99	1087601	0	
36 sec-Butyl Alcohol	45	4.975	4.975	0.0	65	525816	0	
33 Carbon tetrachloride	117	4.975	4.975	0.0	71	219645	18.8	
35 Tetrahydrofuran	42	4.992	4.992	0.0	64	308742	247.0	
$ 37 Dibromofluoromethane	113	5.009	5.009	0.0	75	141364	17.9	
38 1,1,1-Trichloroethane	97	5.034	5.034	0.0	68	283887	19.4	
39 2-Butanone (MEK)	43	5.110	5.110	0.0	96	458037	276.8	
40 1,1-Dichloropropene	75	5.136	5.136	0.0	87	299558	22.8	
41 n-Heptane	43	5.296	5.296	0.0	97	426554	0	
42 Benzene	78	5.346	5.346	0.0	97	832049	22.4	
43 Tert-amyl methyl ether	73	5.422	5.422	0.0	96	434298	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.456	5.456	0.0	0	27798	20.0	
45 1,2-Dichloroethane	62	5.506	5.506	0.0	89	187197	20.5	
* 46 Fluorobenzene	96	5.675	5.675	0.0	61	654190	20.0	
48 Isopropyl acetate	43	5.683	5.683	0.0	99	2112149	0	
47 2,4,4-Trimethyl-1-pentene	55	5.700	5.700	0.0	76	181055	0	
50 Trichloroethene	95	5.810	5.810	0.0	60	212755	20.3	
49 Methylcyclohexane	83	5.810	5.810	0.0	88	372663	22.6	
51 2,4,4-Trimethyl-2-pentene	112	5.827	5.827	0.0	93	114176	0	
52 Dibromomethane	93	6.147	6.147	0.0	86	88018	20.4	
53 1,2-Dichloropropane	63	6.223	6.223	0.0	58	198407	23.9	
54 Dichlorobromomethane	83	6.265	6.265	0.0	92	236404	21.3	
55 Methyl methacrylate	69	6.374	6.374	0.0	93	69602	0	
56 1,4-Dioxane	88	6.433	6.433	0.0	61	7537	0	
57 n-Propyl acetate	43	6.484	6.484	0.0	98	1462125	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.753	6.753	0.0	88	294340	23.2	
$ 60 Toluene-d8 (Surr)	98	6.905	6.905	0.0	84	625553	19.7	
61 Toluene	92	6.939	6.939	0.0	92	507420	22.1	
63 4-Methyl-2-pentanone (MIBK)	43	7.225	7.225	0.0	96	989927	304.1	
62 Tetrachloroethene	166	7.242	7.242	0.0	81	173587	19.7	
64 trans-1,3-Dichloropropene	75	7.251	7.251	0.0	88	198763	23.4	
65 Isobutyl acetate	43	7.301	7.301	0.0	95	2745515	0	
66 1,1,2-Trichloroethane	83	7.377	7.377	0.0	81	95596	23.0	
67 Chlorodibromomethane	129	7.520	7.520	0.0	88	126056	17.5	
68 1,3-Dichloropropane	76	7.596	7.596	0.0	89	201207	19.9	
69 Ethylene Dibromide	107	7.714	7.714	0.0	97	102363	18.1	
70 n-Butyl acetate	43	7.773	7.773	0.0	99	1650245	0	
71 2-Hexanone	43	7.857	7.857	0.0	98	630659	294.2	
* 72 Chlorobenzene-d5	117	8.102	8.102	0.0	86	444812	20.0	
73 Chlorobenzene	112	8.110	8.110	0.0	86	459731	21.0	
74 Ethylbenzene	91	8.127	8.127	0.0	98	909476	22.2	
75 1,1,1,2-Tetrachloroethane	131	8.161	8.161	0.0	57	158167	19.5	
76 m-Xylene & p-Xylene	91	8.237	8.237	0.0	98	1395608	54.2	
77 o-Xylene	91	8.565	8.565	0.0	98	751601	21.5	
78 Styrene	104	8.607	8.607	0.0	91	539554	21.4	
79 Bromoform	173	8.641	8.641	0.0	65	64156	18.4	
80 Isopropylbenzene	105	8.810	8.810	0.0	96	911755	21.0	
$ 81 BFB	95	9.037	9.037	0.0	0	244728	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 82 4-Bromofluorobenzene	95	9.037	9.037	0.0	83	244728	19.9	
83 Bromobenzene	77	9.121	9.121	0.0	61	354301	22.5	
84 N-Propylbenzene	91	9.130	9.130	0.0	96	1117359	27.8	
85 1,1,2,2-Tetrachloroethane	83	9.180	9.180	0.0	75	126090	24.4	
86 2-Chlorotoluene	91	9.265	9.265	0.0	94	739205	26.5	
87 1,3,5-Trimethylbenzene	105	9.282	9.282	0.0	92	695310	24.1	
88 1,2,3-Trichloropropane	110	9.298	9.298	0.0	87	30389	19.2	
89 trans-1,4-Dichloro-2-butene	53	9.324	9.324	0.0	1	32498	30.0	
90 4-Chlorotoluene	91	9.391	9.391	0.0	94	684715	21.4	
91 tert-Butylbenzene	119	9.534	9.534	0.0	86	587666	20.1	
92 1,2,4-Trimethylbenzene	105	9.585	9.585	0.0	46	696126	20.9	
93 sec-Butylbenzene	105	9.669	9.669	0.0	95	998483	20.6	
94 4-Isopropyltoluene	119	9.779	9.779	0.0	95	719477	19.6	
95 1,3-Dichlorobenzene	146	9.863	9.863	0.0	98	361947	19.0	
* 96 1,4-Dichlorobenzene-d4	115	9.914	9.914	0.0	78	121349	20.0	
97 1,4-Dichlorobenzene	146	9.930	9.930	0.0	89	349281	21.2	
98 n-Butylbenzene	91	10.133	10.133	0.0	95	800365	23.4	
99 1,2-Dichlorobenzene	146	10.301	10.301	0.0	96	302847	20.6	
100 1,2-Dibromo-3-Chloropropane	157	11.102	11.102	0.0	74	15125	17.8	
101 1,3,5-Trichlorobenzene	180	11.135	11.135	0.0	95	218360	0	
102 Hexachlorobutadiene	225	11.894	11.894	0.0	86	105121	18.0	
103 1,2,4-Trichlorobenzene	180	11.944	11.944	0.0	89	157845	18.2	
104 Naphthalene	128	12.425	12.425	0.0	98	234298	18.9	
105 1,2,3-Trichlorobenzene	180	12.720	12.720	0.0	94	122058	18.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 07-Dec-2011 16:01:06 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55209.D
Injection Date: 01-Dec-2011 17:44:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 84385 Lims Sample ID: 2
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 07-Dec-2011 16:01:06 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55209.D

Injection Date: 01-Dec-2011 17:44:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 84385 Lims Sample ID: 2

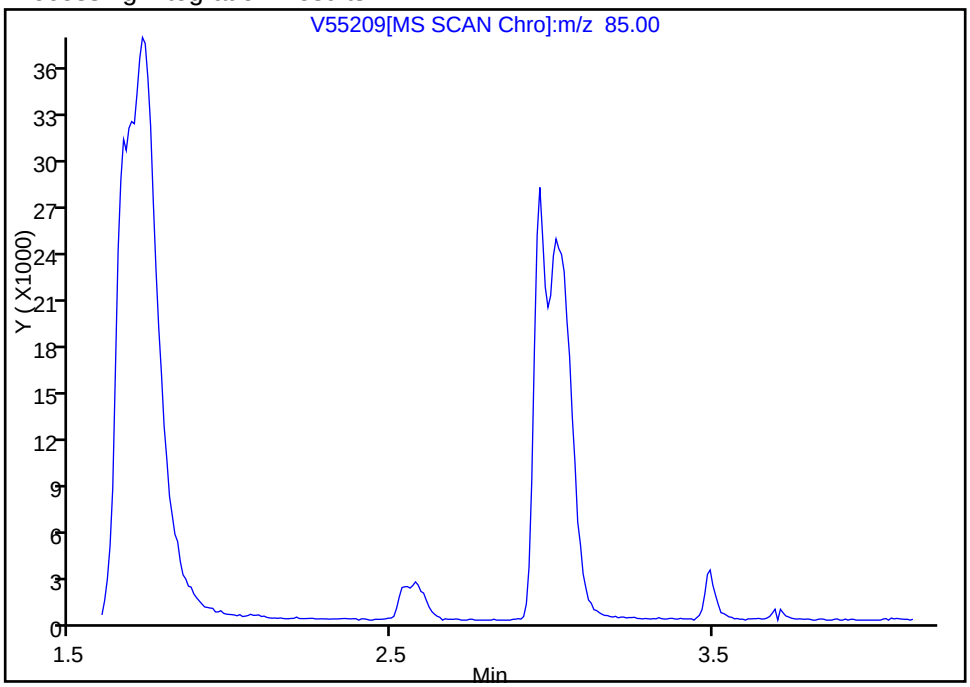
Operator ID: BW

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.72

Not Detected

Expected RT: 1.72

Processing Integration Results

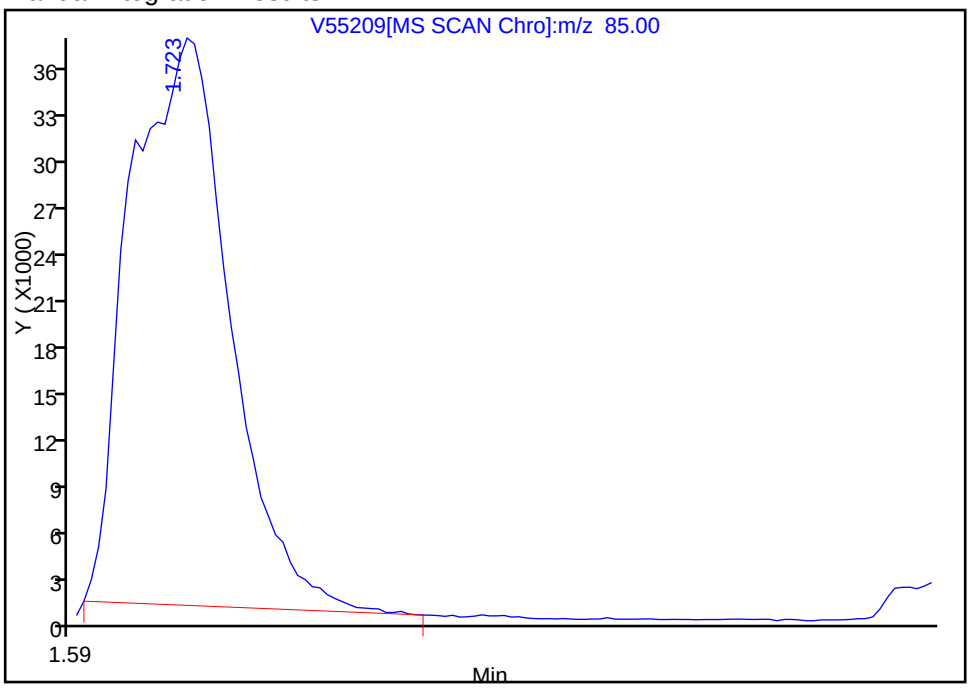


Manual Integration Results

RT: 1.72

Response: 288205

Amount: 20.081581



Reviewer: weigelb, 06-Dec-2011 15:43:13

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVIS 360-84468/2 Calibration Date: 12/06/2011 17:42

Instrument ID: HP #1 GC/MS Calib Start Date: 11/28/2011 17:05

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/28/2011 19:38

Lab File ID: V55234.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4388	0.3902		89.0	100	-11.1	30.0
Chloromethane	Ave	0.5487	0.5753	0.1000	105	100	4.9	30.0
Vinyl chloride	Ave	0.4537	0.4572		101	100	0.8	20.0
Bromomethane	Ave	0.2879	0.2706		94.0	100	-6.0	30.0
Chloroethane	Lin		0.2557		122	100	22.0	30.0
Trichlorofluoromethane	Ave	0.4807	0.4391		91.5	100	-8.6	30.0
1,1-Dichloroethene	Ave	0.2882	0.2693		93.5	100	-6.6	20.0
Carbon disulfide	Ave	0.8562	0.8020		93.5	100	-6.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1924	0.1626		84.5	100	-15.5	30.0
Methylene Chloride	Lin1		0.3185		95.0	100	-5.0	30.0
Acetone	Lin2		0.7442		1060	1000	6.3	30.0
trans-1,2-Dichloroethene	Ave	0.4806	0.4855		101	100	1.0	30.0
Methyl acetate	Ave	0.0971	0.1116		1150	1000	14.9	30.0
Methyl tert-butyl ether	Ave	0.5533	0.5375		97.0	100	-2.9	30.0
1,1-Dichloroethane	Ave	0.6101	0.6019	0.1000	98.5	100	-1.3	30.0
Acrylonitrile	Ave	0.0491	0.0531		108	100	8.1	30.0
cis-1,2-Dichloroethene	Ave	0.4605	0.4618		101	100	0.3	30.0
2,2-Dichloropropane	Ave	0.4048	0.3831		94.5	100	-5.4	30.0
Chloroform	Ave	0.5514	0.5317		96.5	100	-3.6	20.0
Carbon tetrachloride	Ave	0.3576	0.3194		89.5	100	-10.7	30.0
Tetrahydrofuran	Ave	0.0382	0.0431		1130	1000	12.8	30.0
1,1,1-Trichloroethane	Ave	0.4463	0.4106		92.0	100	-8.0	30.0
2-Butanone (MEK)	Ave	1.191	1.329		1120	1000	11.6	30.0
1,1-Dichloropropene	Ave	0.4011	0.4171		104	100	4.0	30.0
Benzene	Ave	1.136	1.147		101	100	1.0	30.0
1,2-Dichloroethane	Ave	0.2793	0.2604		93.5	100	-6.7	30.0
Methylcyclohexane	Ave	0.5039	0.5245		104	100	4.1	30.0
Trichloroethene	Ave	0.3207	0.3064		95.5	100	-4.5	30.0
Dibromomethane	Ave	0.1319	0.1276		96.5	100	-3.3	30.0
1,2-Dichloropropane	Ave	0.2541	0.2749		108	100	8.2	20.0
Dichlorobromomethane	Ave	0.3399	0.3421		101	100	0.7	30.0
cis-1,3-Dichloropropene	Ave	0.3882	0.4067		105	100	4.8	30.0
Toluene	Ave	0.7019	0.6975		99.5	100	-0.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	2.342	3.111		1330	1000	32.8*	30.0
Tetrachloroethene	Ave	0.2691	0.2335		87.0	100	-13.2	30.0
trans-1,3-Dichloropropene	Ave	0.2595	0.2638		102	100	1.7	30.0
1,1,2-Trichloroethane	Ave	0.1270	0.1284		101	100	1.2	30.0
Chlorodibromomethane	Lin		0.1717		80.0	100	-20.0	30.0
1,3-Dichloropropane	Lin		0.2694		89.5	100	-10.5	30.0
Ethylene Dibromide	Lin		0.1338		80.0	100	-20.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVIS 360-84468/2 Calibration Date: 12/06/2011 17:42

Instrument ID: HP #1 GC/MS Calib Start Date: 11/28/2011 17:05

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/28/2011 19:38

Lab File ID: V55234.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Hexanone	Ave	1.542	1.838		1190	1000	19.2	30.0
Chlorobenzene	Ave	0.9835	0.9398	0.3000	95.5	100	-4.4	30.0
Ethylbenzene	Ave	1.845	1.906		104	100	3.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3645	0.3390		93.0	100	-7.0	30.0
m-Xylene & p-Xylene	Lin		1.449		247	200	23.5	30.0
o-Xylene	Ave	1.572	1.611		103	100	2.5	30.0
Styrene	Ave	1.132	1.085		96.0	100	-4.1	30.0
Bromoform	Lin		0.4339	0.1000	78.0	100	-22.0	30.0
Isopropylbenzene	Ave	1.951	1.966		101	100	0.8	30.0
Bromobenzene	Ave	0.7093	0.7318		103	100	3.2	30.0
N-Propylbenzene	Lin		2.390		131	100	31.0*	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8529	0.9358	0.3000	110	100	9.7	30.0
2-Chlorotoluene	Lin		1.570		124	100	23.5	30.0
1,3,5-Trimethylbenzene	Lin		1.513		116	100	15.5	30.0
1,2,3-Trichloropropane	Ave	0.0710	0.0645		91.0	100	-9.1	30.0
trans-1,4-Dichloro-2-butene	Qua		0.0654		132	100	32.0*	30.0
4-Chlorotoluene	Ave	1.441	1.413		98.0	100	-2.0	30.0
tert-Butylbenzene	Ave	1.318	1.283		97.5	100	-2.6	30.0
1,2,4-Trimethylbenzene	Lin		1.547		103	100	3.0	30.0
sec-Butylbenzene	Ave	2.182	2.226		102	100	2.0	30.0
4-Isopropyltoluene	Ave	1.655	1.627		98.5	100	-1.6	30.0
1,3-Dichlorobenzene	Ave	0.8558	0.7876		92.0	100	-8.0	30.0
1,4-Dichlorobenzene	Ave	2.709	2.474		91.5	100	-8.7	30.0
n-Butylbenzene	Ave	5.631	6.198		110	100	10.1	30.0
1,2-Dichlorobenzene	Ave	2.422	2.265		93.5	100	-6.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1397	0.1229		88.0	100	-12.0	30.0
Hexachlorobutadiene	Ave	0.9652	0.8604		89.0	100	-10.9	30.0
1,2,4-Trichlorobenzene	Ave	1.433	1.311		91.5	100	-8.6	30.0
Naphthalene	Ave	2.043	2.073		102	100	1.5	30.0
1,2,3-Trichlorobenzene	Ave	1.109	1.046		94.5	100	-5.6	30.0
Dibromofluoromethane	Ave	0.2411	0.2263		94.0	100	-6.1	30.0
Toluene-d8 (Surr)	Ave	0.9722	0.9329		96.0	100	-4.0	30.0
4-Bromofluorobenzene	Ave	0.5516	0.5479		99.5	100	-0.7	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55234.D
Lims ID: CCVIS Client ID:
Inject. Date: 06-Dec-2011 17:42:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 8260LL =8260LL
Operator: BW Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 84468 Lims Sample ID: 2
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m
Last Update: 07-Dec-2011 16:49:09 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 07-Dec-2011 16:48:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.754	1.754	0.0	87	298918	17.8	M
2 Chloromethane	50	1.889	1.889	0.0	99	440763	21.0	
3 Vinyl chloride	62	1.990	1.990	0.0	60	350263	20.2	
4 Bromomethane	94	2.310	2.310	0.0	91	207315	18.8	
5 Chloroethane	64	2.420	2.420	0.0	95	195920	24.4	
6 Trichlorofluoromethane	101	2.504	2.504	0.0	78	336431	18.3	
7 Dichlorofluoromethane	67	2.614	2.614	0.0	89	466841	0	M
8 Ethyl ether	59	2.791	2.791	0.0	96	147904	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.984	2.984	0.0	70	178087	0	
9 1,1-Dichloroethene	96	2.984	2.984	0.0	96	206292	18.7	
11 Ethanol	45	3.010	3.010	0.0	19	55067	0	
10 Carbon disulfide	76	3.018	3.018	0.0	99	614441	18.7	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.077	3.077	0.0	44	124593	16.9	
14 Acrolein	56	3.296	3.296	0.0	96	992626	0	
15 Isopropyl alcohol	45	3.456	3.456	0.0	96	317843	0	
16 Methylene Chloride	84	3.515	3.515	0.0	98	244006	19.0	
17 Acetone	43	3.557	3.557	0.0	96	263361	212.5	
18 trans-1,2-Dichloroethene	61	3.659	3.659	0.0	70	371929	20.2	
19 Methyl acetate	43	3.667	3.667	0.0	99	854890	229.8	
20 Hexane	57	3.726	3.726	0.0	70	472049	0	
21 Methyl tert-butyl ether	73	3.751	3.751	0.0	63	411792	19.4	
22 2-Methyl-2-propanol	59	3.827	3.827	0.0	12	114710	0	
23 Isopropyl ether	45	4.080	4.080	0.0	99	892422	0	
24 1,1-Dichloroethane	63	4.198	4.198	0.0	94	461153	19.7	
125 Halothane	117	4.232	4.232	0.0	89	161520	0	
25 Acrylonitrile	53	4.240	4.240	0.0	42	40659	21.6	
26 Tert-butyl ethyl ether	59	4.392	4.392	0.0	41	625708	0	
27 Vinyl acetate	43	4.400	4.400	0.0	97	2733820	0	
28 cis-1,2-Dichloroethene	61	4.653	4.653	0.0	84	353770	20.1	
29 2,2-Dichloropropane	77	4.754	4.754	0.0	69	293512	18.9	

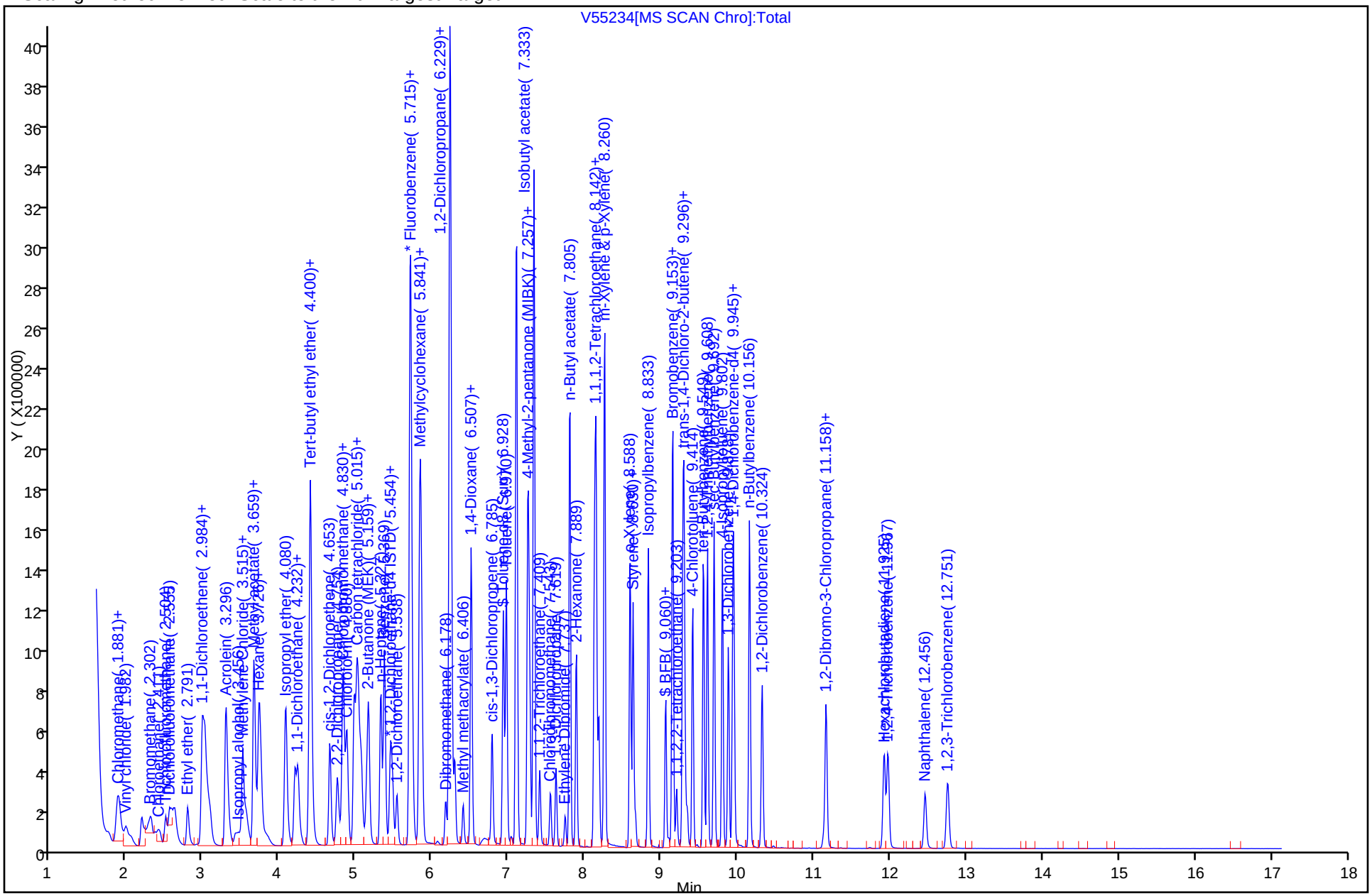
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.830	4.830	0.0	56	105277	0	
30 Cyclohexane	56	4.830	4.830	0.0	82	439518	0	
32 Chloroform	83	4.880	4.880	0.0	94	407307	19.3	
34 Ethyl acetate	43	4.973	4.973	0.0	97	1077868	0	
36 sec-Butyl Alcohol	45	5.007	5.007	0.0	75	537489	0	
33 Carbon tetrachloride	117	5.007	5.007	0.0	77	244674	17.9	
35 Tetrahydrofuran	42	5.015	5.015	0.0	63	330216	225.6	
$ 37 Dibromofluoromethane	113	5.032	5.032	0.0	70	173342	18.8	
38 1,1,1-Trichloroethane	97	5.066	5.066	0.0	48	314568	18.4	
39 2-Butanone (MEK)	43	5.142	5.142	0.0	98	470349	223.3	
40 1,1-Dichloropropene	75	5.167	5.167	0.0	91	319562	20.8	
41 n-Heptane	43	5.327	5.327	0.0	96	403757	0	
42 Benzene	78	5.369	5.369	0.0	96	878675	20.2	
43 Tert-amyl methyl ether	73	5.454	5.454	0.0	97	466441	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.479	5.479	0.0	0	35389	20.0	
45 1,2-Dichloroethane	62	5.538	5.538	0.0	81	199524	18.7	
* 46 Fluorobenzene	96	5.698	5.698	0.0	73	766108	20.0	
48 Isopropyl acetate	43	5.715	5.715	0.0	98	2227985	0	
47 2,4,4-Trimethyl-1-pentene	55	5.723	5.723	0.0	65	202780	0	
50 Trichloroethene	95	5.833	5.833	0.0	64	234708	19.1	
49 Methylcyclohexane	83	5.833	5.833	0.0	89	401856	20.8	
51 2,4,4-Trimethyl-2-pentene	112	5.858	5.858	0.0	93	130672	0	
52 Dibromomethane	93	6.170	6.170	0.0	77	97762	19.3	
53 1,2-Dichloropropane	63	6.254	6.254	0.0	64	210580	21.6	
54 Dichlorobromomethane	83	6.296	6.296	0.0	93	262103	20.1	
55 Methyl methacrylate	69	6.406	6.406	0.0	93	72440	0	
56 1,4-Dioxane	88	6.456	6.456	0.0	44	8987	0	
57 n-Propyl acetate	43	6.507	6.507	0.0	99	1454370	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.785	6.785	0.0	87	311538	21.0	
$ 60 Toluene-d8 (Surr)	98	6.928	6.928	0.0	84	714667	19.2	
61 Toluene	92	6.970	6.970	0.0	93	534333	19.9	
63 4-Methyl-2-pentanone (MIBK)	43	7.248	7.248	0.0	97	1100808	265.6	
62 Tetrachloroethene	166	7.265	7.265	0.0	62	178920	17.4	
64 trans-1,3-Dichloropropene	75	7.282	7.282	0.0	87	202118	20.3	
65 Isobutyl acetate	43	7.333	7.333	0.0	94	2910098	0	
66 1,1,2-Trichloroethane	83	7.409	7.409	0.0	69	98401	20.2	
67 Chlorodibromomethane	129	7.543	7.543	0.0	85	131528	16.0	
68 1,3-Dichloropropane	76	7.619	7.619	0.0	89	206369	17.9	
69 Ethylene Dibromide	107	7.737	7.737	0.0	98	102534	16.0	
70 n-Butyl acetate	43	7.796	7.796	0.0	98	1620872	0	
71 2-Hexanone	43	7.889	7.889	0.0	97	650519	238.3	
* 72 Chlorobenzene-d5	117	8.125	8.125	0.0	88	494607	20.0	
73 Chlorobenzene	112	8.133	8.133	0.0	86	464820	19.1	
74 Ethylbenzene	91	8.150	8.150	0.0	98	942528	20.7	
75 1,1,1,2-Tetrachloroethane	131	8.184	8.184	0.0	54	167676	18.6	
76 m-Xylene & p-Xylene	91	8.260	8.260	0.0	98	1433261	49.4	
77 o-Xylene	91	8.588	8.588	0.0	99	796623	20.5	
78 Styrene	104	8.630	8.630	0.0	95	536806	19.2	
79 Bromoform	173	8.664	8.664	0.0	61	65281	15.6	
80 Isopropylbenzene	105	8.833	8.833	0.0	96	972325	20.2	
$ 81 BFB	95	9.060	9.060	0.0	0	271016	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 82 4-Bromofluorobenzene	95	9.060	9.060	0.0	83	271016	19.9	
83 Bromobenzene	77	9.144	9.144	0.0	57	361955	20.6	
84 N-Propylbenzene	91	9.153	9.153	0.0	96	1182005	26.2	
85 1,1,2,2-Tetrachloroethane	83	9.203	9.203	0.0	74	140789	21.9	
86 2-Chlorotoluene	91	9.279	9.279	0.0	91	776532	24.7	
87 1,3,5-Trimethylbenzene	105	9.296	9.296	0.0	90	748161	23.1	
88 1,2,3-Trichloropropane	110	9.321	9.321	0.0	87	31922	18.2	
89 trans-1,4-Dichloro-2-butene	53	9.338	9.338	0.0	1	32342	26.4	
90 4-Chlorotoluene	91	9.414	9.414	0.0	98	698889	19.6	
91 tert-Butylbenzene	119	9.557	9.557	0.0	87	634720	19.5	
92 1,2,4-Trimethylbenzene	105	9.608	9.608	0.0	15	765050	20.6	
93 sec-Butylbenzene	105	9.692	9.692	0.0	95	1101089	20.4	
94 4-Isopropyltoluene	119	9.802	9.802	0.0	92	804876	19.7	
95 1,3-Dichlorobenzene	146	9.878	9.878	0.0	96	389569	18.4	
* 96 1,4-Dichlorobenzene-d4	115	9.937	9.937	0.0	81	150452	20.0	
97 1,4-Dichlorobenzene	146	9.953	9.953	0.0	89	372285	18.3	
98 n-Butylbenzene	91	10.156	10.156	0.0	95	932433	22.0	
99 1,2-Dichlorobenzene	146	10.324	10.324	0.0	95	340789	18.7	
100 1,2-Dibromo-3-Chloropropane	157	11.125	11.125	0.0	71	18497	17.6	
101 1,3,5-Trichlorobenzene	180	11.158	11.158	0.0	95	257540	0	
102 Hexachlorobutadiene	225	11.925	11.925	0.0	85	129445	17.8	
103 1,2,4-Trichlorobenzene	180	11.976	11.976	0.0	87	197167	18.3	
104 Naphthalene	128	12.456	12.456	0.0	97	311941	20.3	
105 1,2,3-Trichlorobenzene	180	12.760	12.760	0.0	94	157398	18.9	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 07-Dec-2011 16:49:09 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55234.D
Injection Date: 06-Dec-2011 17:42:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 2
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 07-Dec-2011 16:49:09 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55234.D

Injection Date: 06-Dec-2011 17:42:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

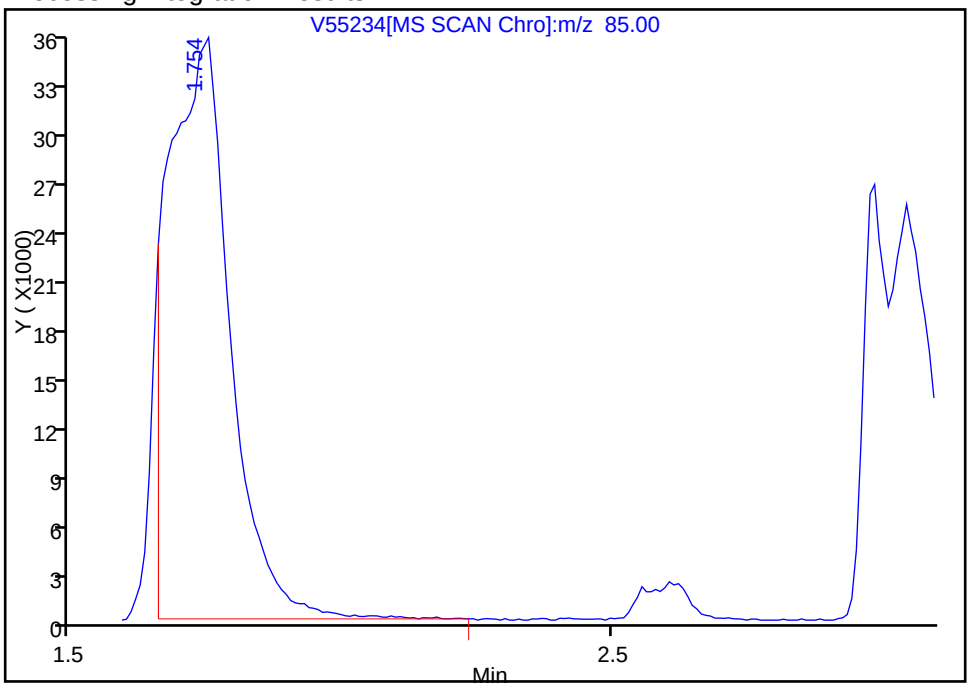
Lims Batch ID: 84468 Lims Sample ID: 2

Operator ID: BW

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

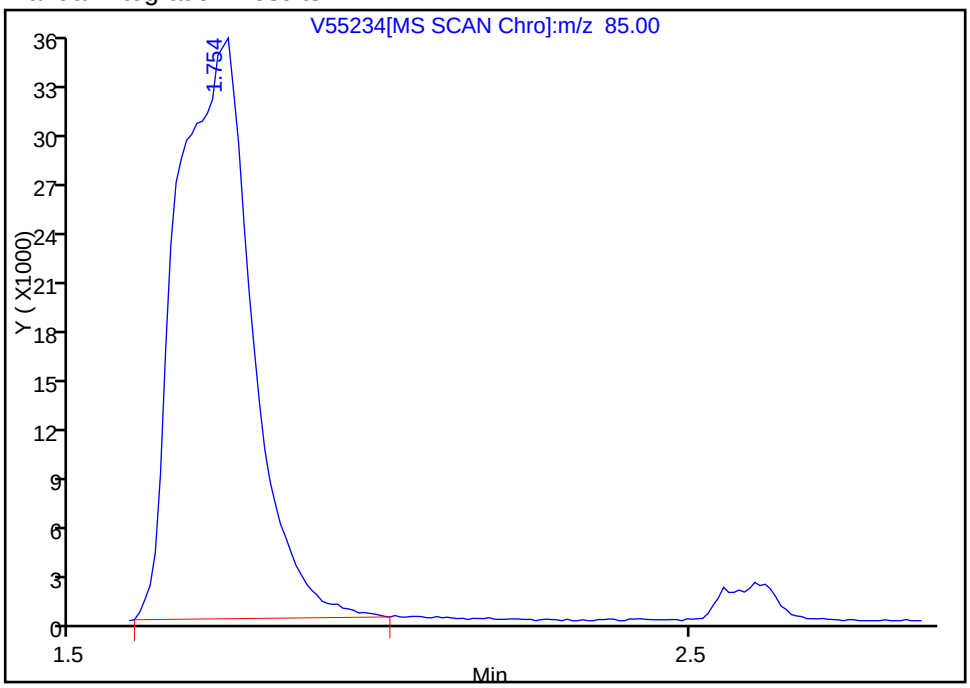
Processing Integration Results

RT: 1.75
Response: 285060
Amount: 16.960809



Manual Integration Results

RT: 1.75
Response: 298918
Amount: 17.785348



Reviewer: weigelb, 07-Dec-2011 16:48:00
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55146.D
Lims ID: BFB Client ID:
Inject. Date: 28-Nov-2011 16:39:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 83953 Lims Sample ID: 1
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 14:21:28 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 29-Nov-2011 08:47:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 37 Dibromofluoromethane	113	5.022	5.022	0.0	78	915809	24.5	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.469	5.469	0.0	0	228980	20.0	
* 46 Fluorobenzene	96	5.688	5.688	0.0	99	3103683	20.0	
$ 60 Toluene-d8 (Surr)	98	6.918	6.918	0.0	83	2674388	17.7	
* 72 Chlorobenzene-d5	117	8.115	8.115	0.0	87	2224765	20.0	
$ 82 4-Bromofluorobenzene	95	9.050	9.050	0.0	82	1335923	21.8	
$ 81 BFB	95	9.050	9.053	-0.003	0	1335923	0	
* 96 1,4-Dichlorobenzene-d4	115	9.935	9.935	0.0	96	709387	20.0	

Report Date: 30-Nov-2011 14:21:29 Chrom Revision: 2.0 29-Sep-2011 09:38:02

MS Tune Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55146.D

Injection Date: 28-Nov-2011 16:39:30 Limit Group: VMS - 8260B VOA Calibration RCP

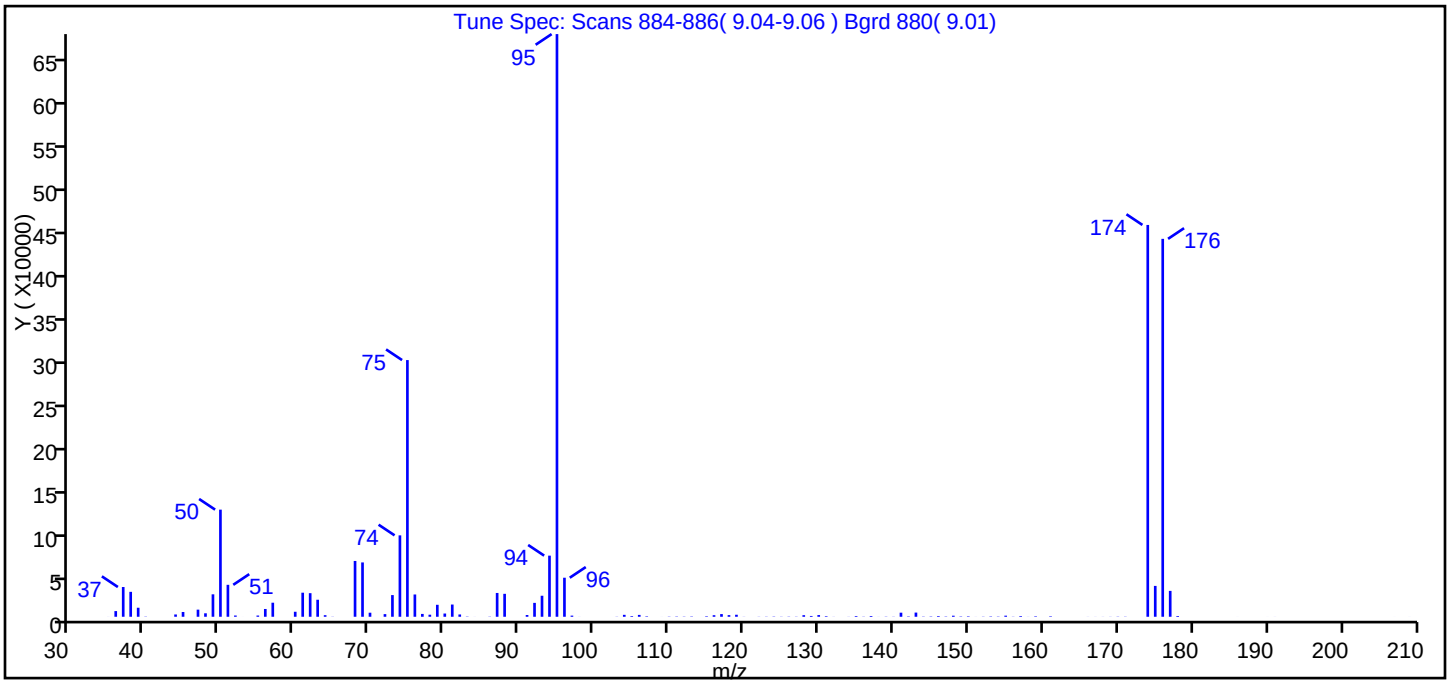
Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 1

Operator ID: bw

Tune Method: BFB Method 8260

$ 81 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.39
75	30.00 - 60.00% of mass 95	44.05
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	67.25
175	5.00 - 9.00% of mass 174	5.30 (7.88)
176	95.00 - 101.00% of mass 174	64.86 (96.45)
177	5.00 - 9.00% of mass 176	4.44 (6.85)

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55146.D\WES1SOIL.rslt\spectra.d
Injection Date: 28-Nov-2011 16:39:30
Spectrum: Tune Spec: Scans 884-886(9.04-9.06) Bgrd 880(9.01)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 121

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	44	76.00	25760	116.00	1794	149.00	386
36.00	6556	77.00	3286	117.00	3105	150.00	528
37.00	34376	78.00	2391	118.00	1894	151.00	51
38.00	28808	79.00	13835	119.00	2338	152.00	203
39.00	10432	80.00	3738	120.00	106	153.00	407
40.00	260	81.00	14139	122.00	140	154.00	300
44.00	2661	82.00	2660	123.00	198	155.00	1264
45.00	5516	83.00	300	124.00	307	156.00	177
47.00	8225	84.00	41	125.00	166	157.00	801
48.00	4018	86.00	235	126.00	248	158.00	72
49.00	25944	87.00	27504	127.00	199	159.00	568
50.00	123800	88.00	26520	128.00	1809	161.00	567
51.00	36928	91.00	2018	129.00	935	166.00	66
52.00	1441	92.00	16057	130.00	1950	167.00	60
53.00	15	93.00	24296	131.00	695	168.00	74
55.00	1421	94.00	70640	132.00	80	169.00	108
56.00	9000	95.00	673344	134.00	100	170.00	225
57.00	16253	96.00	45120	135.00	824	171.00	200
60.00	5790	97.00	1319	136.00	203	174.00	452800
61.00	27816	98.00	47	137.00	872	175.00	35664
62.00	27272	103.00	162	138.00	52	176.00	436736
63.00	19680	104.00	2235	139.00	232	177.00	29904
64.00	1817	105.00	782	140.00	163	178.00	873
65.00	163	106.00	2155	141.00	4720	186.00	19
68.00	64488	107.00	536	142.00	428	190.00	19
69.00	62792	109.00	26	143.00	4838	191.00	44
70.00	4697	110.00	248	144.00	272	207.00	12
72.00	3058	111.00	342	145.00	370	209.00	22
73.00	25056	112.00	250	146.00	789		
74.00	94080	113.00	368	147.00	337		
75.00	296640	115.00	599	148.00	1224		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55207.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	01-Dec-2011 17:00:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	8260HL =8260HL		
Operator:	BW	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	84385	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\WES1SOIL.m		
Last Update:	07-Dec-2011 16:01:08	Calib Date:	28-Nov-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		
First Level Reviewer: rouleauc		Date:	07-Dec-2011 16:00:09

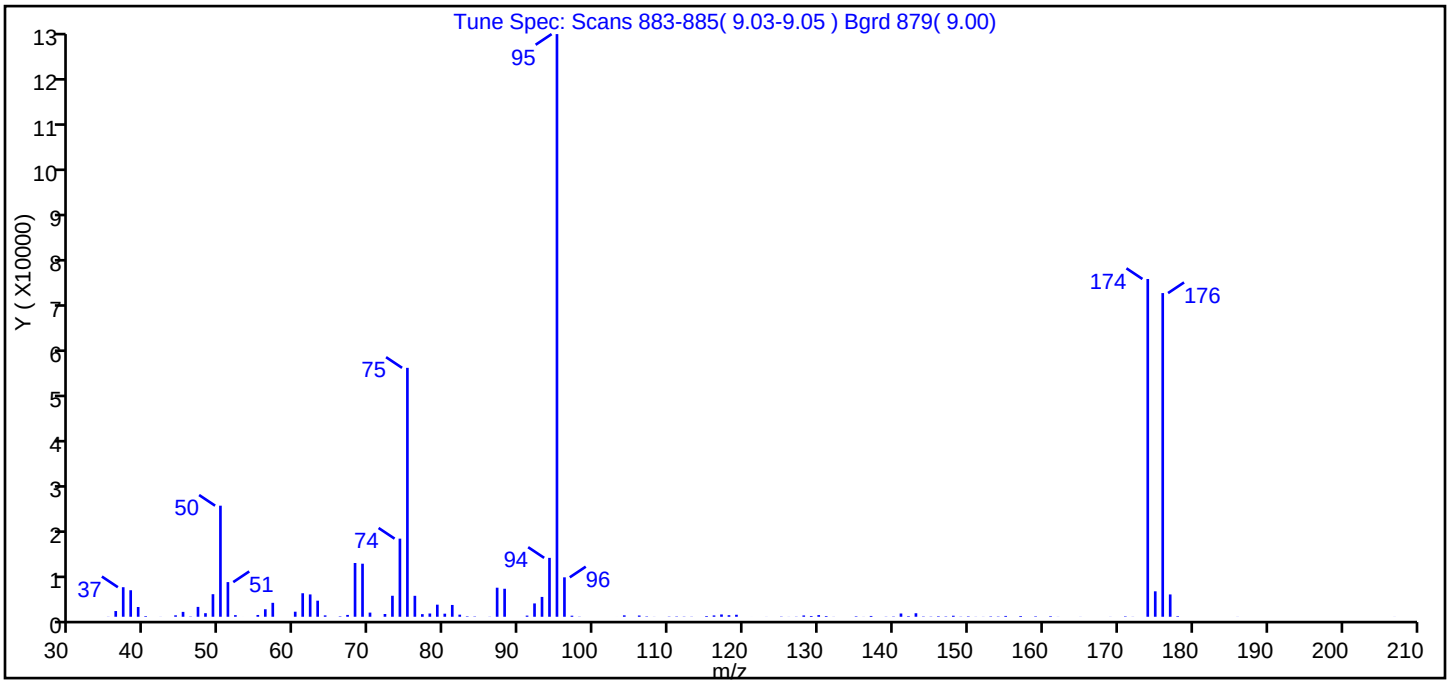
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 37 Dibromofluoromethane	113	5.019	5.019	0.0	75	161492	18.6	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.466	5.466	0.0	0	31742	20.0	
* 46 Fluorobenzene	96	5.685	5.685	0.0	70	721666	20.0	
$ 60 Toluene-d8 (Surr)	98	6.915	6.915	0.0	83	670681	19.1	
* 72 Chlorobenzene-d5	117	8.104	8.104	0.0	88	454242	20.0	
$ 81 BFB	95	9.039	9.039	0.0	0	243591	0	
$ 82 4-Bromofluorobenzene	95	9.039	9.039	0.0	77	243591	19.4	
* 96 1,4-Dichlorobenzene-d4	115	9.924	9.924	0.0	85	130657	20.0	

Report Date: 07-Dec-2011 16:01:08 Chrom Revision: 2.0 29-Sep-2011 09:38:02

MS Tune Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55207.D
Injection Date: 01-Dec-2011 17:00:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 84385 Lims Sample ID: 1
Operator ID: BW
Tune Method: BFB Method 8260

$ 81 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.06
75	30.00 - 60.00% of mass 95	42.72
96	5.00 - 9.00% of mass 95	6.77
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	57.97
175	5.00 - 9.00% of mass 174	4.37 (7.54)
176	95.00 - 101.00% of mass 174	55.55 (95.83)
177	5.00 - 9.00% of mass 176	3.83 (6.90)

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55207.D\WES1SOIL.rslt\spectra.d
Injection Date: 01-Dec-2011 17:00:30
Spectrum: Tune Spec: Scans 883-885(9.03-9.05) Bgrd 879(9.00)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 113

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	26	70.00	885	108.00	17	145.00	50
36.00	1215	72.00	588	110.00	55	146.00	108
37.00	6275	73.00	4459	111.00	75	147.00	75
38.00	5632	74.00	16584	112.00	48	148.00	220
39.00	2073	75.00	52848	113.00	35	149.00	40
40.00	138	76.00	4450	115.00	152	150.00	91
42.00	16	77.00	557	116.00	284	151.00	24
44.00	308	78.00	694	117.00	490	152.00	21
45.00	1038	79.00	2567	118.00	333	153.00	83
46.00	59	80.00	655	119.00	428	154.00	66
47.00	2097	81.00	2509	121.00	3	155.00	178
48.00	760	82.00	448	123.00	14	157.00	154
49.00	4793	83.00	99	125.00	52	159.00	100
50.00	23584	84.00	71	126.00	16	161.00	122
51.00	7361	86.00	29	127.00	39	162.00	18
52.00	344	87.00	6170	128.00	279	165.00	17
53.00	2	88.00	5948	129.00	166	169.00	18
55.00	381	91.00	248	130.00	351	171.00	91
56.00	1595	92.00	2833	131.00	152	172.00	24
57.00	2962	93.00	4213	132.00	20	174.00	71712
60.00	1076	94.00	12506	135.00	104	175.00	5404
61.00	4993	95.00	123704	136.00	18	176.00	68720
62.00	4745	96.00	8374	137.00	173	177.00	4741
63.00	3414	97.00	227	139.00	39	178.00	125
64.00	293	98.00	37	140.00	67	186.00	16
66.00	90	103.00	2	141.00	696	207.00	12
67.00	391	104.00	302	142.00	120		
68.00	11416	106.00	266	143.00	751		
69.00	11266	107.00	85	144.00	68		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55233.D
Lims ID: BFB Client ID:
Inject. Date: 06-Dec-2011 17:16:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 8260LL =8260LL
Operator: BW Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 84468 Lims Sample ID: 1
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m
Last Update: 07-Dec-2011 16:24:16 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

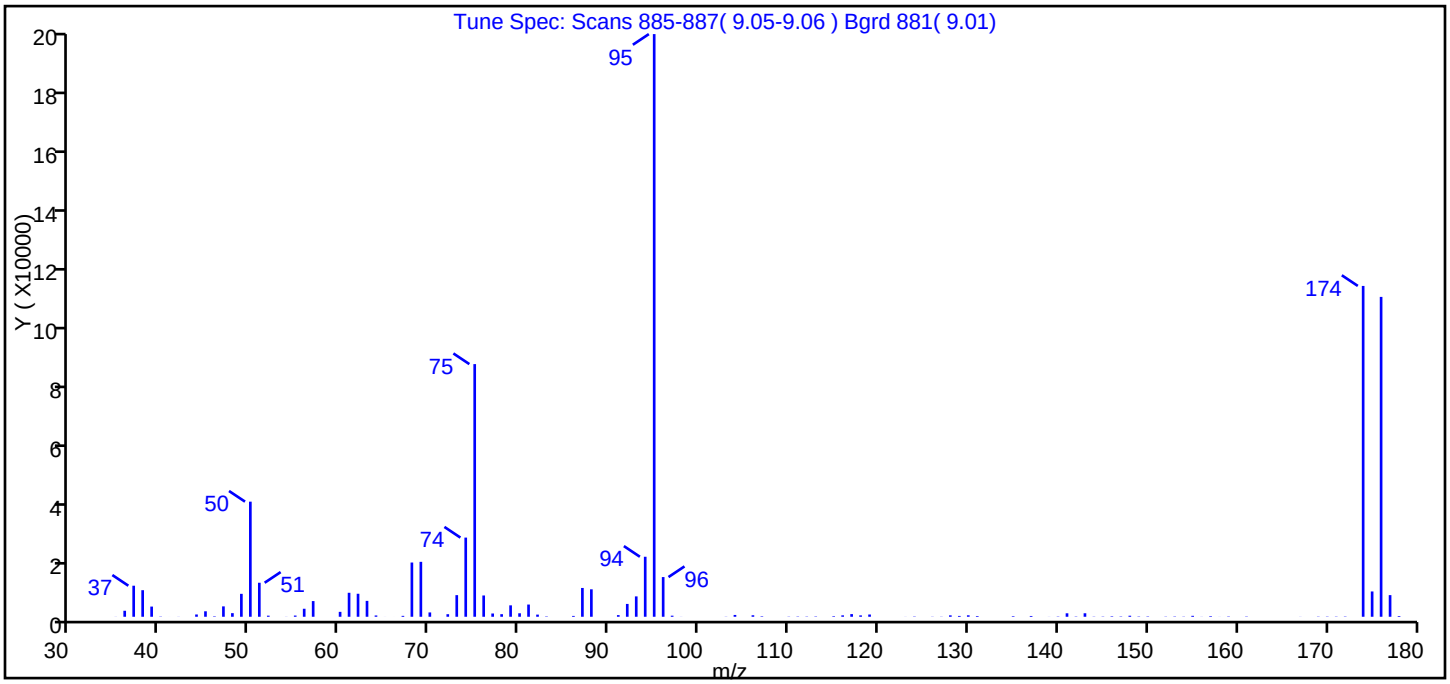
First Level Reviewer: weigelb Date: 07-Dec-2011 16:24:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 37 Dibromofluoromethane	113	5.026	5.026	0.0	77	344710	23.4	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.472	5.472	0.0	0	86104	20.0	
* 46 Fluorobenzene	96	5.691	5.691	0.0	84	1221150	20.0	
$ 60 Toluene-d8 (Surr)	98	6.922	6.922	0.0	84	1120904	18.9	
* 72 Chlorobenzene-d5	117	8.118	8.118	0.0	90	727761	20.0	
$ 81 BFB	95	9.054	9.054	0.0	0	379188	0	
$ 82 4-Bromofluorobenzene	95	9.054	9.054	0.0	77	379188	18.9	
* 96 1,4-Dichlorobenzene-d4	115	9.938	9.938	0.0	81	189871	20.0	

MS Tune Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55233.D
Injection Date: 06-Dec-2011 17:16:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 1
Operator ID: BW
Tune Method: BFB Method 8260

$ 81 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.76
75	30.00 - 60.00% of mass 95	43.36
96	5.00 - 9.00% of mass 95	6.81
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	56.78
175	5.00 - 9.00% of mass 174	4.34 (7.65)
176	95.00 - 101.00% of mass 174	54.90 (96.68)
177	5.00 - 9.00% of mass 176	3.71 (6.77)

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55233.D\WES1SOIL.rslt\spectra.d
Injection Date: 06-Dec-2011 17:16:30
Spectrum: Tune Spec: Scans 885-887(9.05-9.06) Bgrd 881(9.01)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 109

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	26	67.00	306	104.00	612	145.00	85
36.00	2022	68.00	18280	106.00	507	146.00	163
37.00	10464	69.00	18512	107.00	162	147.00	112
38.00	8955	70.00	1462	110.00	69	148.00	350
39.00	3434	72.00	864	111.00	102	149.00	106
40.00	85	73.00	7288	112.00	90	150.00	121
41.00	5	74.00	26680	113.00	118	152.00	73
42.00	28	75.00	85144	115.00	195	153.00	109
44.00	773	76.00	7174	116.00	480	154.00	69
45.00	1846	77.00	1103	117.00	902	155.00	318
46.00	153	78.00	876	118.00	465	156.00	30
47.00	3502	79.00	3848	119.00	762	157.00	200
48.00	1219	80.00	1178	123.00	22	158.00	17
49.00	7728	81.00	4119	124.00	100	159.00	109
50.00	38792	82.00	729	126.00	52	161.00	102
51.00	11464	83.00	127	127.00	52	167.00	27
52.00	372	86.00	286	128.00	475	169.00	78
54.00	30	87.00	9709	129.00	285	170.00	89
55.00	408	88.00	9255	130.00	494	171.00	85
56.00	2700	91.00	554	131.00	239	172.00	103
57.00	5285	92.00	4327	135.00	197	174.00	111488
60.00	1657	93.00	6867	137.00	268	175.00	8528
61.00	8083	94.00	20224	139.00	21	176.00	107792
62.00	7754	95.00	196352	140.00	95	177.00	7293
63.00	5353	96.00	13378	141.00	1172	178.00	239
64.00	439	97.00	367	142.00	99		
65.00	11	98.00	23	143.00	1182		
66.00	3	103.00	48	144.00	68		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: MB 360-84384/3-A

Matrix: Solid Lab File ID: V55213.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 10(g) Date Analyzed: 12/01/2011 19:25

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.: 84385 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		130	60
71-55-6	1,1,1-Trichloroethane	ND		130	100
79-34-5	1,1,2,2-Tetrachloroethane	ND		130	50
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		630	72
79-00-5	1,1,2-Trichloroethane	ND		130	50
75-34-3	1,1-Dichloroethane	ND		130	95
75-35-4	1,1-Dichloroethene	ND		130	80
563-58-6	1,1-Dichloropropene	ND		130	75
87-61-6	1,2,3-Trichlorobenzene	ND		130	55
96-18-4	1,2,3-Trichloropropane	ND		130	60
120-82-1	1,2,4-Trichlorobenzene	ND		130	50
95-63-6	1,2,4-Trimethylbenzene	ND		130	70
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1300	140
95-50-1	1,2-Dichlorobenzene	ND		130	50
107-06-2	1,2-Dichloroethane	ND		130	50
78-87-5	1,2-Dichloropropane	ND		130	80
108-67-8	1,3,5-Trimethylbenzene	ND		130	75
541-73-1	1,3-Dichlorobenzene	ND		130	50
142-28-9	1,3-Dichloropropane	ND		130	57
106-46-7	1,4-Dichlorobenzene	ND		130	50
594-20-7	2,2-Dichloropropane	ND		130	110
78-93-3	2-Butanone (MEK)	ND		1300	540
95-49-8	2-Chlorotoluene	ND		130	65
591-78-6	2-Hexanone	ND		1300	700
106-43-4	4-Chlorotoluene	ND		130	60
99-87-6	4-Isopropyltoluene	ND		130	75
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1300	510
67-64-1	Acetone	ND		13000	5000
107-13-1	Acrylonitrile	ND		1300	120
71-43-2	Benzene	ND		130	80
108-86-1	Bromobenzene	ND		130	50
75-25-2	Bromoform	ND		130	80
74-83-9	Bromomethane	ND		250	120
75-15-0	Carbon disulfide	ND		130	95
56-23-5	Carbon tetrachloride	ND		130	85
108-90-7	Chlorobenzene	ND		130	60

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: MB 360-84384/3-A

Matrix: Solid Lab File ID: V55213.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 10(g) Date Analyzed: 12/01/2011 19:25

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.: 84385 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		130	60
75-00-3	Chloroethane	ND		250	100
67-66-3	Chloroform	ND		130	75
74-87-3	Chloromethane	ND		250	80
156-59-2	cis-1,2-Dichloroethene	ND		130	59
10061-01-5	cis-1,3-Dichloropropene	ND		130	50
74-95-3	Dibromomethane	ND		130	63
75-27-4	Dichlorobromomethane	ND		130	64
75-71-8	Dichlorodifluoromethane	ND		250	110
100-41-4	Ethylbenzene	ND		130	90
106-93-4	Ethylene Dibromide	ND		130	56
87-68-3	Hexachlorobutadiene	ND		130	75
98-82-8	Isopropylbenzene	ND		130	75
179601-23-1	m-Xylene & p-Xylene	ND		250	180
1634-04-4	Methyl tert-butyl ether	ND		130	75
75-09-2	Methylene Chloride	ND		500	490
104-51-8	n-Butylbenzene	ND		130	60
103-65-1	N-Propylbenzene	ND		130	85
91-20-3	Naphthalene	ND		1300	120
95-47-6	o-Xylene	ND		130	65
135-98-8	sec-Butylbenzene	ND		130	70
100-42-5	Styrene	ND		130	50
98-06-6	tert-Butylbenzene	ND		130	70
127-18-4	Tetrachloroethene	ND		130	90
109-99-9	Tetrahydrofuran	ND		2500	620
108-88-3	Toluene	ND		130	90
156-60-5	trans-1,2-Dichloroethene	ND		130	80
10061-02-6	trans-1,3-Dichloropropene	ND		130	52
110-57-6	trans-1,4-Dichloro-2-butene	ND		250	110
79-01-6	Trichloroethene	ND		130	110
75-69-4	Trichlorofluoromethane	ND		250	71
75-01-4	Vinyl chloride	ND		130	85
1330-20-7	Xylenes, Total	ND		250	180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: MB 360-84384/3-A

Matrix: Solid Lab File ID: V55213.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 10(g) Date Analyzed: 12/01/2011 19:25

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.: 84385 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	104		70-130
1868-53-7	Dibromofluoromethane	95		70-130
2037-26-5	Toluene-d8 (Surr)	90		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

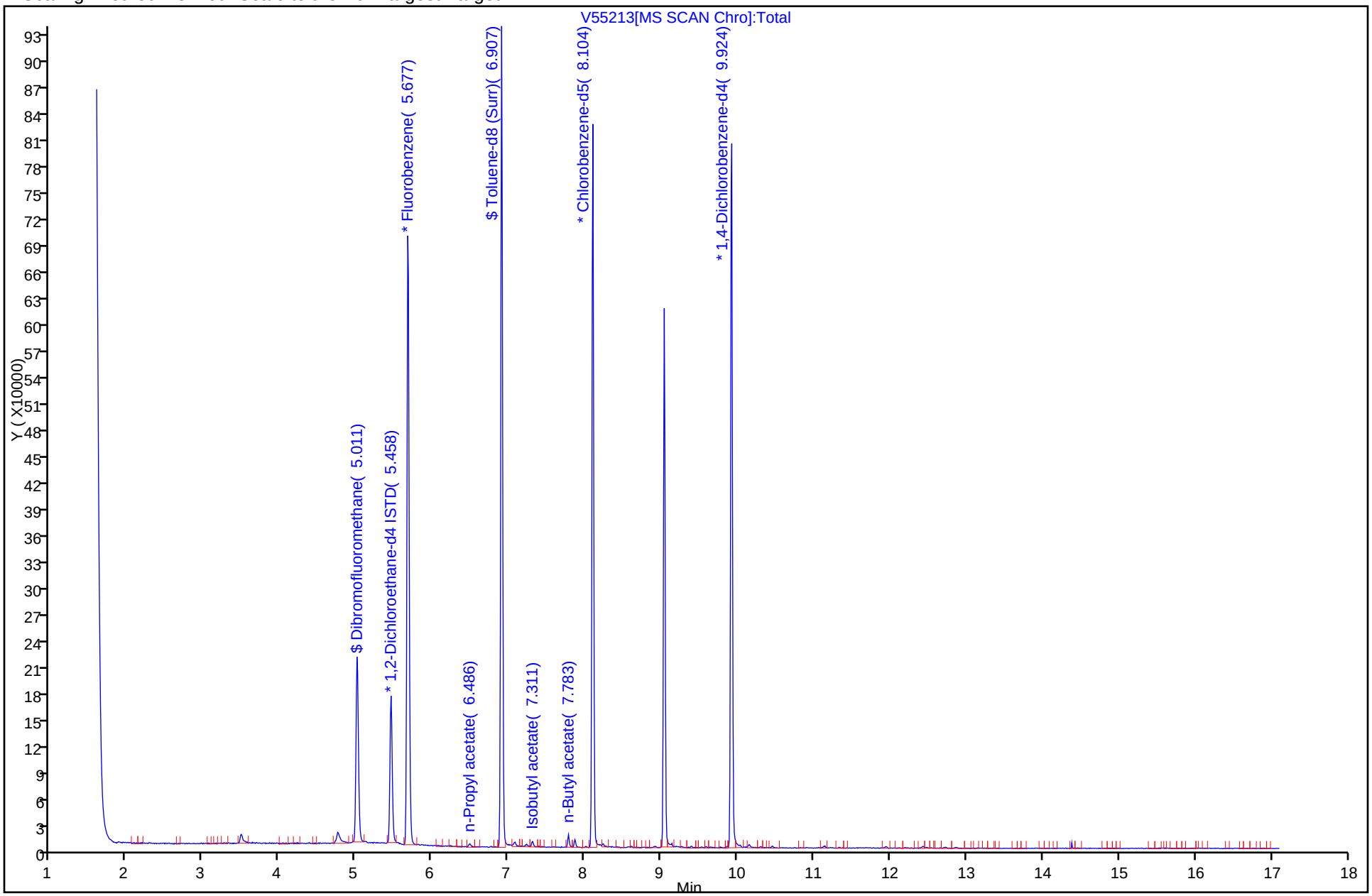
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55213.D		
Lims ID:	MB 360-84384/3-A	Client ID:	
Inject. Date:	01-Dec-2011 19:25:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB		
Misc. Info.:	8260HL =8260HL		
Operator:	BW	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	84385	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\WES1SOIL.m		
Last Update:	07-Dec-2011 15:23:26	Calib Date:	28-Nov-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		
First Level Reviewer: weigelb		Date:	06-Dec-2011 15:51:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.723					
2 Chloromethane	50		1.849					
3 Vinyl chloride	62		1.959					
4 Bromomethane	94		2.262					
5 Chloroethane	64		2.388					
6 Trichlorofluoromethane	101		2.489					
7 Dichlorofluoromethane	67		2.574					
8 Ethyl ether	59		2.768					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.961					
9 1,1-Dichloroethene	96		2.970					
11 Ethanol	45		2.987					
10 Carbon disulfide	76		2.995					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.037					
14 Acrolein	56		3.273					
15 Isopropyl alcohol	45		3.442					
16 Methylene Chloride	84		3.492					
17 Acetone	43		3.534					
18 trans-1,2-Dichloroethene	61		3.636					
19 Methyl acetate	43		3.636					
20 Hexane	57		3.703					
21 Methyl tert-butyl ether	73		3.728					
22 2-Methyl-2-propanol	59		3.821					
23 Isopropyl ether	45		4.048					
24 1,1-Dichloroethane	63		4.175					
125 Halothane	117		4.209					
25 Acrylonitrile	53		4.217					
26 Tert-butyl ethyl ether	59		4.360					
27 Vinyl acetate	43		4.377					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.630					
29 2,2-Dichloropropane	77		4.723					
31 Chlorobromomethane	130		4.798					
30 Cyclohexane	56		4.807					
32 Chloroform	83		4.849					
34 Ethyl acetate	43		4.942					
36 sec-Butyl Alcohol	45		4.975					
33 Carbon tetrachloride	117		4.975					
35 Tetrahydrofuran	42		4.992					
$ 37 Dibromofluoromethane	113	5.011	5.009	0.002	67	147242	18.9	
38 1,1,1-Trichloroethane	97		5.034					
39 2-Butanone (MEK)	43		5.110					
40 1,1-Dichloropropene	75		5.136					
41 n-Heptane	43		5.296					
42 Benzene	78		5.346					
43 Tert-amyl methyl ether	73		5.422					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.458	5.456	0.002	0	27217	20.0	
45 1,2-Dichloroethane	62		5.506					
48 Isopropyl acetate	43		5.683					
* 46 Fluorobenzene	96	5.677	5.675	0.002	98	647328	20.0	
47 2,4,4-Trimethyl-1-pentene	55		5.700					
50 Trichloroethene	95		5.810					
49 Methylcyclohexane	83		5.810					
51 2,4,4-Trimethyl-2-pentene	112		5.827					
52 Dibromomethane	93		6.147					
53 1,2-Dichloropropane	63		6.223					
54 Dichlorobromomethane	83		6.265					
55 Methyl methacrylate	69		6.374					
56 1,4-Dioxane	88		6.433					
57 n-Propyl acetate	43	6.486	6.484	0.002	93	3760	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.753					
$ 60 Toluene-d8 (Surr)	98	6.907	6.905	0.002	84	566061	18.0	
61 Toluene	92		6.939					
63 4-Methyl-2-pentanone (MIBK)	43		7.225					
62 Tetrachloroethene	166		7.242					
64 trans-1,3-Dichloropropene	75		7.251					
65 Isobutyl acetate	43	7.311	7.301	0.010	95	5887	0	
66 1,1,2-Trichloroethane	83		7.377					
67 Chlorodibromomethane	129		7.520					
68 1,3-Dichloropropane	76		7.596					
69 Ethylene Dibromide	107		7.714					
70 n-Butyl acetate	43	7.783	7.773	0.010	97	9897	0	
71 2-Hexanone	43		7.857					
* 72 Chlorobenzene-d5	117	8.104	8.102	0.002	87	391288	20.0	
73 Chlorobenzene	112		8.110					
74 Ethylbenzene	91		8.127					
75 1,1,1,2-Tetrachloroethane	131		8.161					
76 m-Xylene & p-Xylene	91		8.237					
77 o-Xylene	91		8.565					
78 Styrene	104		8.607					
79 Bromoform	173		8.641					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.810					
$ 82 4-Bromofluorobenzene	95	9.039	9.037	0.002	79	224081	20.8	
83 Bromobenzene	77		9.121					
84 N-Propylbenzene	91		9.130					
85 1,1,2,2-Tetrachloroethane	83		9.180					
86 2-Chlorotoluene	91		9.265					
87 1,3,5-Trimethylbenzene	105		9.282					
88 1,2,3-Trichloropropane	110		9.298					
89 trans-1,4-Dichloro-2-butene	53		9.324					
90 4-Chlorotoluene	91		9.391					
91 tert-Butylbenzene	119		9.534					
92 1,2,4-Trimethylbenzene	105		9.585					
93 sec-Butylbenzene	105		9.669					
94 4-Isopropyltoluene	119		9.779					
95 1,3-Dichlorobenzene	146		9.863					
* 96 1,4-Dichlorobenzene-d4	115	9.924	9.914	0.010	97	125063	20.0	
97 1,4-Dichlorobenzene	146		9.930					
98 n-Butylbenzene	91		10.133					
99 1,2-Dichlorobenzene	146		10.301					
100 1,2-Dibromo-3-Chloropropane	157		11.102					
101 1,3,5-Trichlorobenzene	180		11.135					
102 Hexachlorobutadiene	225		11.894					
103 1,2,4-Trichlorobenzene	180		11.944					
104 Naphthalene	128		12.425					
105 1,2,3-Trichlorobenzene	180		12.720					

Report Date: 07-Dec-2011 15:23:30 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55213.D
Injection Date: 01-Dec-2011 19:25:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 84385 Lims Sample ID: 6
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: MB 360-84452/3-A

Matrix: Solid Lab File ID: V55238.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/06/2011 19:25

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.: 84468 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.2
71-55-6	1,1,1-Trichloroethane	ND		2.5	2.0
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		13	1.4
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.9
75-35-4	1,1-Dichloroethene	ND		2.5	1.6
563-58-6	1,1-Dichloropropene	ND		2.5	1.5
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	2.8
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
78-87-5	1,2-Dichloropropane	ND		2.5	1.6
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.5
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
594-20-7	2,2-Dichloropropane	ND		2.5	2.1
78-93-3	2-Butanone (MEK)	ND		25	11
95-49-8	2-Chlorotoluene	ND		2.5	1.3
591-78-6	2-Hexanone	ND		25	14
106-43-4	4-Chlorotoluene	ND		2.5	1.2
99-87-6	4-Isopropyltoluene	ND		2.5	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	10
67-64-1	Acetone	ND		250	100
107-13-1	Acrylonitrile	ND		25	2.4
71-43-2	Benzene	ND		2.5	1.6
108-86-1	Bromobenzene	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.6
74-83-9	Bromomethane	ND		5.0	2.3
75-15-0	Carbon disulfide	ND		2.5	1.9
56-23-5	Carbon tetrachloride	ND		2.5	1.7
108-90-7	Chlorobenzene	ND		2.5	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: MB 360-84452/3-A

Matrix: Solid Lab File ID: V55238.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/06/2011 19:25

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.: 84468 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.5	1.2
75-00-3	Chloroethane	ND		5.0	2.0
67-66-3	Chloroform	ND		2.5	1.5
74-87-3	Chloromethane	ND		5.0	1.6
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.2
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.3
75-27-4	Dichlorobromomethane	ND		2.5	1.3
75-71-8	Dichlorodifluoromethane	ND		5.0	2.1
100-41-4	Ethylbenzene	ND		2.5	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.1
87-68-3	Hexachlorobutadiene	ND		2.5	1.5
98-82-8	Isopropylbenzene	ND		2.5	1.5
179601-23-1	m-Xylene & p-Xylene	ND		5.0	3.5
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.5
75-09-2	Methylene Chloride	ND		10	9.8
104-51-8	n-Butylbenzene	ND		2.5	1.2
103-65-1	N-Propylbenzene	ND		2.5	1.7
91-20-3	Naphthalene	ND		25	2.3
95-47-6	o-Xylene	ND		2.5	1.3
135-98-8	sec-Butylbenzene	ND		2.5	1.4
100-42-5	Styrene	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.4
127-18-4	Tetrachloroethene	ND		2.5	1.8
109-99-9	Tetrahydrofuran	ND		50	12
108-88-3	Toluene	ND		2.5	1.8
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.6
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	2.1
79-01-6	Trichloroethene	ND		2.5	2.1
75-69-4	Trichlorofluoromethane	ND		5.0	1.4
75-01-4	Vinyl chloride	ND		2.5	1.7
1330-20-7	Xylenes, Total	ND		5.0	3.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: MB 360-84452/3-A

Matrix: Solid Lab File ID: V55238.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/06/2011 19:25

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.: 84468 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		70-130
1868-53-7	Dibromofluoromethane	94		70-130
2037-26-5	Toluene-d8 (Surr)	92		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55238.D
Lims ID: MB 360-84452/3-A Client ID:
Inject. Date: 06-Dec-2011 19:25:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 8260LL =8260LL
Operator: BW Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 84468 Lims Sample ID: 6
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m
Last Update: 07-Dec-2011 16:51:25 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

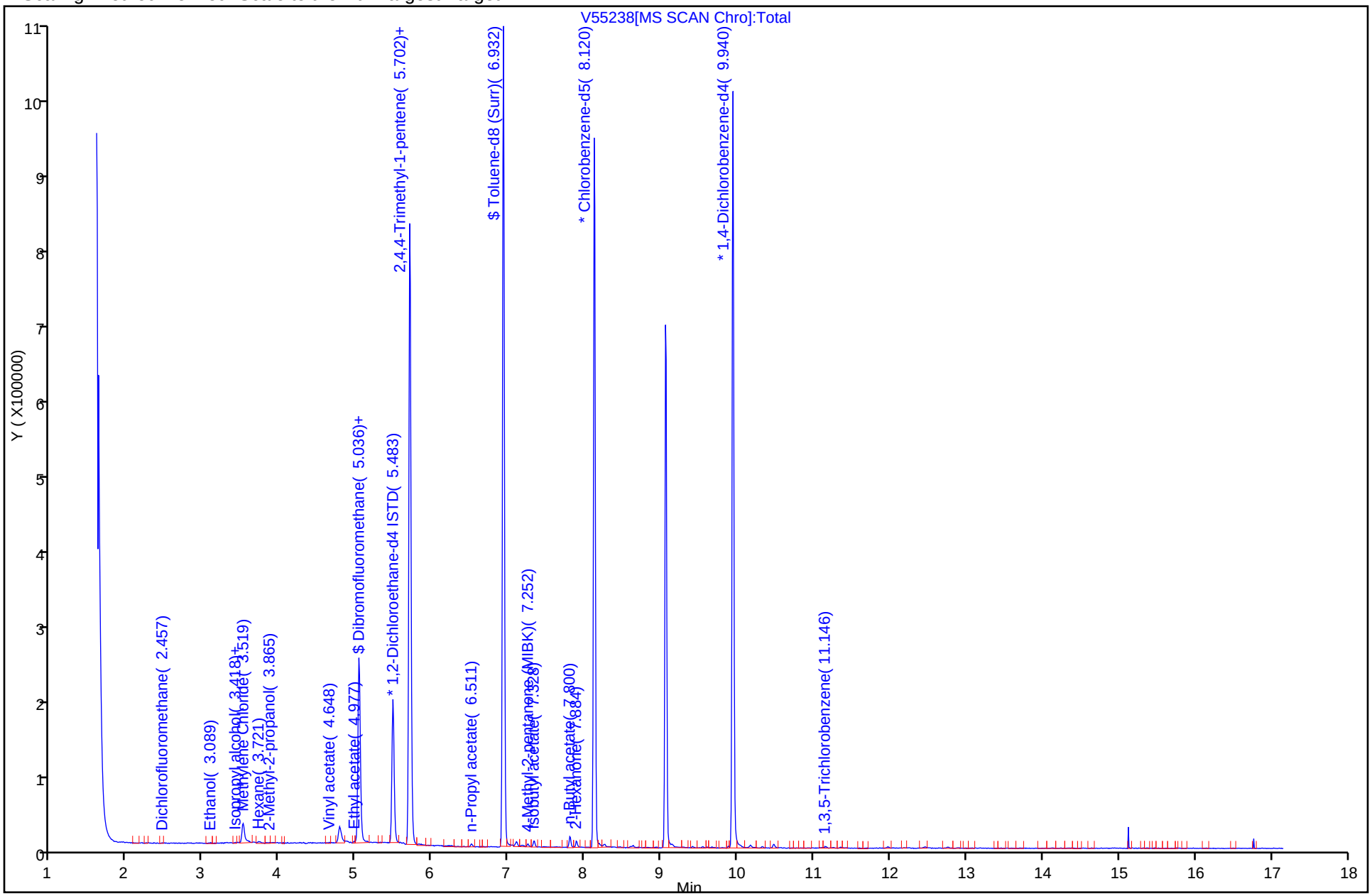
First Level Reviewer: weigelb Date: 07-Dec-2011 16:52:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.754					
2 Chloromethane	50		1.889					
3 Vinyl chloride	62		1.990					
4 Bromomethane	94		2.310					
5 Chloroethane	64		2.420					
6 Trichlorofluoromethane	101		2.504					
7 Dichlorofluoromethane	67	2.559	2.614	-0.055	1	428	0	
8 Ethyl ether	59		2.791					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.984					
9 1,1-Dichloroethene	96		2.984					
11 Ethanol	45	2.929	3.010	-0.081	36	395	0	
10 Carbon disulfide	76		3.018					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.077					
14 Acrolein	56	3.300	3.296	0.004	65	573	0	
15 Isopropyl alcohol	45	3.460	3.456	0.004	71	3299	0	
16 Methylene Chloride	84	3.519	3.515	0.004	93	13471	0.4779	
17 Acetone	43		3.557					
18 trans-1,2-Dichloroethene	61		3.659					
19 Methyl acetate	43		3.667					
20 Hexane	57	3.738	3.726	0.012	52	1008	0	
21 Methyl tert-butyl ether	73		3.751					
22 2-Methyl-2-propanol	59	3.873	3.827	0.046	1	217	0	
23 Isopropyl ether	45		4.080					
24 1,1-Dichloroethane	63		4.198					
125 Halothane	117		4.232					
25 Acrylonitrile	53		4.240					
26 Tert-butyl ethyl ether	59		4.392					
27 Vinyl acetate	43	4.412	4.400	0.012	78	1833	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.653					
29 2,2-Dichloropropane	77		4.754					
31 Chlorobromomethane	130		4.830					
30 Cyclohexane	56		4.830					
32 Chloroform	83		4.880					
34 Ethyl acetate	43	4.977	4.973	0.004	78	2568	0	
36 sec-Butyl Alcohol	45		5.007					
33 Carbon tetrachloride	117		5.007					
35 Tetrahydrofuran	42	5.028	5.015	0.013	13	2696	2.02	
$ 37 Dibromofluoromethane	113	5.036	5.032	0.004	68	158592	18.8	
38 1,1,1-Trichloroethane	97		5.066					
39 2-Butanone (MEK)	43		5.142					
40 1,1-Dichloropropene	75		5.167					
41 n-Heptane	43		5.327					
42 Benzene	78		5.369					
43 Tert-amyl methyl ether	73		5.454					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.483	5.479	0.004	0	28146	20.0	
45 1,2-Dichloroethane	62		5.538					
* 46 Fluorobenzene	96	5.702	5.698	0.004	98	699701	20.0	
48 Isopropyl acetate	43		5.715					
47 2,4,4-Trimethyl-1-pentene	55	5.702	5.723	-0.021	25	1202	0	
50 Trichloroethene	95		5.833					
49 Methylcyclohexane	83		5.833					
51 2,4,4-Trimethyl-2-pentene	112		5.858					
52 Dibromomethane	93		6.170					
53 1,2-Dichloropropane	63		6.254					
54 Dichlorobromomethane	83		6.296					
55 Methyl methacrylate	69		6.406					
56 1,4-Dioxane	88		6.456					
57 n-Propyl acetate	43	6.511	6.507	0.004	90	4380	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.785					
$ 60 Toluene-d8 (Surr)	98	6.932	6.928	0.004	84	624214	18.4	
61 Toluene	92		6.970					
63 4-Methyl-2-pentanone (MIBK)	43	7.252	7.248	0.004	92	2077	0.6301	
62 Tetrachloroethene	166		7.265					
64 trans-1,3-Dichloropropene	75		7.282					
65 Isobutyl acetate	43	7.328	7.333	-0.005	93	6737	0	
66 1,1,2-Trichloroethane	83		7.409					
67 Chlorodibromomethane	129		7.543					
68 1,3-Dichloropropane	76		7.619					
69 Ethylene Dibromide	107		7.737					
70 n-Butyl acetate	43	7.800	7.796	0.004	97	10167	0	
71 2-Hexanone	43	7.884	7.889	-0.005	88	5329	2.45	
* 72 Chlorobenzene-d5	117	8.120	8.125	-0.005	91	431277	20.0	
73 Chlorobenzene	112		8.133					
74 Ethylbenzene	91		8.150					
75 1,1,1,2-Tetrachloroethane	131		8.184					
76 m-Xylene & p-Xylene	91		8.260					
77 o-Xylene	91		8.588					
78 Styrene	104		8.630					
79 Bromoform	173		8.664					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.833					
$ 82 4-Bromofluorobenzene	95	9.056	9.060	-0.004	77	242812	20.4	
83 Bromobenzene	77		9.144					
84 N-Propylbenzene	91		9.153					
85 1,1,2,2-Tetrachloroethane	83		9.203					
86 2-Chlorotoluene	91		9.279					
87 1,3,5-Trimethylbenzene	105		9.296					
88 1,2,3-Trichloropropane	110		9.321					
89 trans-1,4-Dichloro-2-butene	53		9.338					
90 4-Chlorotoluene	91		9.414					
91 tert-Butylbenzene	119		9.557					
92 1,2,4-Trimethylbenzene	105		9.608					
93 sec-Butylbenzene	105		9.692					
94 4-Isopropyltoluene	119		9.802					
95 1,3-Dichlorobenzene	146		9.878					
* 96 1,4-Dichlorobenzene-d4	115	9.940	9.937	0.003	97	139626	20.0	
97 1,4-Dichlorobenzene	146		9.953					
98 n-Butylbenzene	91		10.156					
99 1,2-Dichlorobenzene	146		10.324					
100 1,2-Dibromo-3-Chloropropane	157		11.125					
101 1,3,5-Trichlorobenzene	180	11.162	11.158	0.004	21	485	0	
102 Hexachlorobutadiene	225		11.925					
103 1,2,4-Trichlorobenzene	180		11.976					
104 Naphthalene	128		12.456					
105 1,2,3-Trichlorobenzene	180		12.760					

Report Date: 07-Dec-2011 16:52:57 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55238.D
Injection Date: 06-Dec-2011 19:25:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 84468 Lims Sample ID: 6
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: LCS 360-84384/1-A

Matrix: Solid Lab File ID: V55210.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 10(g) Date Analyzed: 12/01/2011 18:09

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.: 84385 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4980		130	60
71-55-6	1,1,1-Trichloroethane	4830		130	100
79-34-5	1,1,2,2-Tetrachloroethane	5750		130	50
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4330		630	72
79-00-5	1,1,2-Trichloroethane	5100		130	50
75-34-3	1,1-Dichloroethane	5230		130	95
75-35-4	1,1-Dichloroethene	4850		130	80
563-58-6	1,1-Dichloropropene	5550		130	75
87-61-6	1,2,3-Trichlorobenzene	4830		130	55
96-18-4	1,2,3-Trichloropropane	4580		130	60
120-82-1	1,2,4-Trichlorobenzene	4700		130	50
95-63-6	1,2,4-Trimethylbenzene	5480		130	70
96-12-8	1,2-Dibromo-3-Chloropropane	4550		1300	140
95-50-1	1,2-Dichlorobenzene	5180		130	50
107-06-2	1,2-Dichloroethane	4880		130	50
78-87-5	1,2-Dichloropropane	5730		130	80
108-67-8	1,3,5-Trimethylbenzene	6250		130	75
541-73-1	1,3-Dichlorobenzene	4830		130	50
142-28-9	1,3-Dichloropropane	4450		130	57
106-46-7	1,4-Dichlorobenzene	5150		130	50
594-20-7	2,2-Dichloropropane	5330		130	110
78-93-3	2-Butanone (MEK)	63400		1300	540
95-49-8	2-Chlorotoluene	6450		130	65
591-78-6	2-Hexanone	63000		1300	700
106-43-4	4-Chlorotoluene	5130		130	60
99-87-6	4-Isopropyltoluene	5150		130	75
108-10-1	4-Methyl-2-pentanone (MIBK)	67400		1300	510
67-64-1	Acetone	62600		13000	5000
107-13-1	Acrylonitrile	5480		1300	120
71-43-2	Benzene	5380		130	80
108-86-1	Bromobenzene	5380		130	50
75-25-2	Bromoform	4200		130	80
74-83-9	Bromomethane	5330		250	120
75-15-0	Carbon disulfide	5180		130	95
56-23-5	Carbon tetrachloride	5350		130	85
108-90-7	Chlorobenzene	5150		130	60

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: LCS 360-84384/1-A

Matrix: Solid Lab File ID: V55210.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 10(g) Date Analyzed: 12/01/2011 18:09

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.: 84385 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	4050		130	60
75-00-3	Chloroethane	6780		250	100
67-66-3	Chloroform	5100		130	75
74-87-3	Chloromethane	5800		250	80
156-59-2	cis-1,2-Dichloroethene	5280		130	59
10061-01-5	cis-1,3-Dichloropropene	5380		130	50
74-95-3	Dibromomethane	4980		130	63
75-27-4	Dichlorobromomethane	5200		130	64
75-71-8	Dichlorodifluoromethane	4980		250	110
100-41-4	Ethylbenzene	5450		130	90
106-93-4	Ethylene Dibromide	4050		130	56
87-68-3	Hexachlorobutadiene	4750		130	75
98-82-8	Isopropylbenzene	5330		130	75
179601-23-1	m-Xylene & p-Xylene	13000		250	180
1634-04-4	Methyl tert-butyl ether	5080		130	75
75-09-2	Methylene Chloride	4750		500	490
104-51-8	n-Butylbenzene	5980		130	60
103-65-1	N-Propylbenzene	6900		130	85
91-20-3	Naphthalene	5050		1300	120
95-47-6	o-Xylene	5400		130	65
135-98-8	sec-Butylbenzene	5300		130	70
100-42-5	Styrene	5150		130	50
98-06-6	tert-Butylbenzene	5180		130	70
127-18-4	Tetrachloroethene	4680		130	90
109-99-9	Tetrahydrofuran	62700		2500	620
108-88-3	Toluene	5250		130	90
156-60-5	trans-1,2-Dichloroethene	5450		130	80
10061-02-6	trans-1,3-Dichloropropene	5180		130	52
110-57-6	trans-1,4-Dichloro-2-butene	6430		250	110
79-01-6	Trichloroethene	5030		130	110
75-69-4	Trichlorofluoromethane	4700		250	71
75-01-4	Vinyl chloride	5380		130	85
1330-20-7	Xylenes, Total	18400		250	180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: LCS 360-84384/1-A

Matrix: Solid Lab File ID: V55210.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 10(g) Date Analyzed: 12/01/2011 18:09

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.: 84385 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	97		70-130
1868-53-7	Dibromofluoromethane	89		70-130
2037-26-5	Toluene-d8 (Surr)	96		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55210.D
Lims ID: LCS 360-84384/1-A Client ID:
Inject. Date: 01-Dec-2011 18:09:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 8260HL =8260HL
Operator: BW Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 84385 Lims Sample ID: 3
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\WES1SOIL.m
Last Update: 07-Dec-2011 15:23:26 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 06-Dec-2011 15:44:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85	1.739	1.723	0.016	0	307556	19.9	M
2 Chloromethane	50	1.857	1.849	0.008	99	447879	23.2	
3 Vinyl chloride	62	1.958	1.959	-0.001	82	343226	21.5	
4 Bromomethane	94	2.270	2.262	0.008	90	215501	21.3	
5 Chloroethane	64	2.379	2.388	-0.009	100	197648	27.1	
6 Trichlorofluoromethane	101	2.497	2.489	0.008	93	317475	18.8	
7 Dichlorofluoromethane	67	2.590	2.574	0.016	86	444470	0	
8 Ethyl ether	59	2.775	2.768	0.007	97	143202	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.969	2.961	0.008	64	167527	0	
9 1,1-Dichloroethene	96	2.978	2.970	0.008	97	196218	19.4	
11 Ethanol	45	2.994	2.987	0.007	19	51496	0	
10 Carbon disulfide	76	3.003	2.995	0.008	100	623410	20.7	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.045	3.037	0.008	80	117233	17.3	
14 Acrolein	56	3.281	3.273	0.008	96	928173	0	
15 Isopropyl alcohol	45	3.458	3.442	0.016	86	285095	0	
16 Methylene Chloride	84	3.500	3.492	0.008	99	224584	19.0	
17 Acetone	43	3.542	3.534	0.008	96	261058	250.2	
18 trans-1,2-Dichloroethene	61	3.643	3.636	0.007	75	368521	21.8	
19 Methyl acetate	43	3.652	3.636	0.016	98	805177	235.7	
20 Hexane	57	3.711	3.703	0.008	70	472727	0	
21 Methyl tert-butyl ether	73	3.736	3.728	0.008	56	395211	20.3	
22 2-Methyl-2-propanol	59	3.829	3.821	0.008	12	100211	0	
23 Isopropyl ether	45	4.056	4.048	0.008	99	884668	0	
24 1,1-Dichloroethane	63	4.183	4.175	0.008	94	448070	20.9	
125 Halothane	117	4.216	4.209	0.007	93	152923	0	
25 Acrylonitrile	53	4.225	4.217	0.008	43	37896	21.9	
26 Tert-butyl ethyl ether	59	4.368	4.360	0.008	48	607502	0	
27 Vinyl acetate	43	4.385	4.377	0.008	97	2621067	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61	4.638	4.630	0.008	83	342559	21.1	
29 2,2-Dichloropropane	77	4.739	4.723	0.016	65	303190	21.3	
31 Chlorobromomethane	130	4.806	4.798	0.008	56	98976	0	
30 Cyclohexane	56	4.815	4.807	0.008	87	443851	0	
32 Chloroform	83	4.857	4.849	0.008	94	395591	20.4	
34 Ethyl acetate	43	4.949	4.942	0.007	97	1040961	0	
36 sec-Butyl Alcohol	45	4.975	4.975	0.0	50	509799	0	
33 Carbon tetrachloride	117	4.992	4.975	0.017	72	269456	21.4	
35 Tetrahydrofuran	42	5.000	4.992	0.008	84	337173	250.8	
$ 37 Dibromofluoromethane	113	5.017	5.009	0.008	76	150377	17.7	
38 1,1,1-Trichloroethane	97	5.051	5.034	0.017	54	303628	19.3	
39 2-Butanone (MEK)	43	5.118	5.110	0.008	98	451097	253.4	
40 1,1-Dichloropropene	75	5.143	5.136	0.007	90	312995	22.2	
41 n-Heptane	43	5.303	5.296	0.007	97	415546	0	
42 Benzene	78	5.354	5.346	0.008	97	859651	21.5	
43 Tert-amyl methyl ether	73	5.430	5.422	0.008	96	450488	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.463	5.456	0.007	0	29899	20.0	
45 1,2-Dichloroethane	62	5.514	5.506	0.008	90	191462	19.5	
48 Isopropyl acetate	43	5.691	5.683	0.008	98	2058464	0	
* 46 Fluorobenzene	96	5.683	5.675	0.008	63	703556	20.0	
47 2,4,4-Trimethyl-1-pentene	55	5.708	5.700	0.008	78	192920	0	
50 Trichloroethene	95	5.817	5.810	0.007	59	226689	20.1	
49 Methylcyclohexane	83	5.817	5.810	0.007	85	402255	22.7	
51 2,4,4-Trimethyl-2-pentene	112	5.834	5.827	0.007	94	125412	0	
52 Dibromomethane	93	6.154	6.147	0.007	84	92368	19.9	
53 1,2-Dichloropropane	63	6.230	6.223	0.007	57	204825	22.9	
54 Dichlorobromomethane	83	6.272	6.265	0.007	91	248180	20.8	
55 Methyl methacrylate	69	6.382	6.374	0.008	91	67241	0	
56 1,4-Dioxane	88	6.449	6.433	0.016	65	7323	0	
57 n-Propyl acetate	43	6.483	6.484	-0.001	99	1384939	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.761	6.753	0.008	88	294241	21.5	
$ 60 Toluene-d8 (Surr)	98	6.904	6.905	-0.001	84	658112	19.2	
61 Toluene	92	6.947	6.939	0.008	92	519375	21.0	
63 4-Methyl-2-pentanone (MIBK)	43	7.233	7.225	0.008	96	943373	269.4	
62 Tetrachloroethene	166	7.250	7.242	0.008	94	176677	18.7	
64 trans-1,3-Dichloropropene	75	7.258	7.251	0.007	93	188668	20.7	
65 Isobutyl acetate	43	7.309	7.301	0.008	95	2639380	0	
66 1,1,2-Trichloroethane	83	7.385	7.377	0.008	72	90924	20.4	
67 Chlorodibromomethane	129	7.528	7.520	0.008	86	122612	16.2	
68 1,3-Dichloropropane	76	7.604	7.596	0.008	89	188466	17.8	
69 Ethylene Dibromide	107	7.722	7.714	0.008	99	95521	16.2	
70 n-Butyl acetate	43	7.781	7.773	0.008	99	1491960	0	
71 2-Hexanone	43	7.865	7.857	0.008	98	580824	251.9	
* 72 Chlorobenzene-d5	117	8.101	8.102	-0.001	89	449365	20.0	
73 Chlorobenzene	112	8.118	8.110	0.008	83	454955	20.6	
74 Ethylbenzene	91	8.126	8.127	-0.001	97	904437	21.8	
75 1,1,1,2-Tetrachloroethane	131	8.160	8.161	-0.001	52	162878	19.9	
76 m-Xylene & p-Xylene	91	8.236	8.237	-0.001	98	1360874	52.0	
77 o-Xylene	91	8.573	8.565	0.008	98	761458	21.6	
78 Styrene	104	8.615	8.607	0.008	89	522889	20.6	
79 Bromoform	173	8.640	8.641	-0.001	63	60847	16.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105	8.809	8.810	-0.001	96	932170	21.3	
$ 81 BFB	95	9.036	9.037	-0.001	0	240483	0	
$ 82 4-Bromofluorobenzene	95	9.036	9.037	-0.001	79	240483	19.4	
83 Bromobenzene	77	9.129	9.121	0.008	55	342358	21.5	
84 N-Propylbenzene	91	9.138	9.130	0.008	97	1121604	27.6	
85 1,1,2,2-Tetrachloroethane	83	9.180	9.180	0.0	73	125061	23.0	
86 2-Chlorotoluene	91	9.264	9.265	-0.001	93	729747	25.8	
87 1,3,5-Trimethylbenzene	105	9.281	9.282	-0.001	91	724868	25.0	
88 1,2,3-Trichloropropane	110	9.298	9.298	0.0	63	29229	18.3	
89 trans-1,4-Dichloro-2-butene	53	9.323	9.324	-0.001	5	28626	25.7	
90 4-Chlorotoluene	91	9.390	9.391	-0.001	97	663090	20.5	
91 tert-Butylbenzene	119	9.534	9.534	0.0	87	611962	20.7	
92 1,2,4-Trimethylbenzene	105	9.593	9.585	0.008	47	729515	21.9	
93 sec-Butylbenzene	105	9.677	9.669	0.008	94	1037804	21.2	
94 4-Isopropyltoluene	119	9.786	9.779	0.007	95	765490	20.6	
95 1,3-Dichlorobenzene	146	9.862	9.863	-0.001	97	371007	19.3	
* 96 1,4-Dichlorobenzene-d4	115	9.921	9.914	0.007	79	127715	20.0	
97 1,4-Dichlorobenzene	146	9.938	9.930	0.008	91	356354	20.6	
98 n-Butylbenzene	91	10.140	10.133	0.007	95	858408	23.9	
99 1,2-Dichlorobenzene	146	10.309	10.301	0.008	96	319489	20.7	
100 1,2-Dibromo-3-Chloropropane	157	11.109	11.102	0.007	70	16204	18.2	
101 1,3,5-Trichlorobenzene	180	11.143	11.135	0.008	93	238314	0	
102 Hexachlorobutadiene	225	11.902	11.894	0.008	85	117012	19.0	
103 1,2,4-Trichlorobenzene	180	11.952	11.944	0.008	79	172351	18.8	
104 Naphthalene	128	12.432	12.425	0.007	97	263565	20.2	
105 1,2,3-Trichlorobenzene	180	12.727	12.720	0.007	93	136382	19.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 07-Dec-2011 15:23:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55210.D

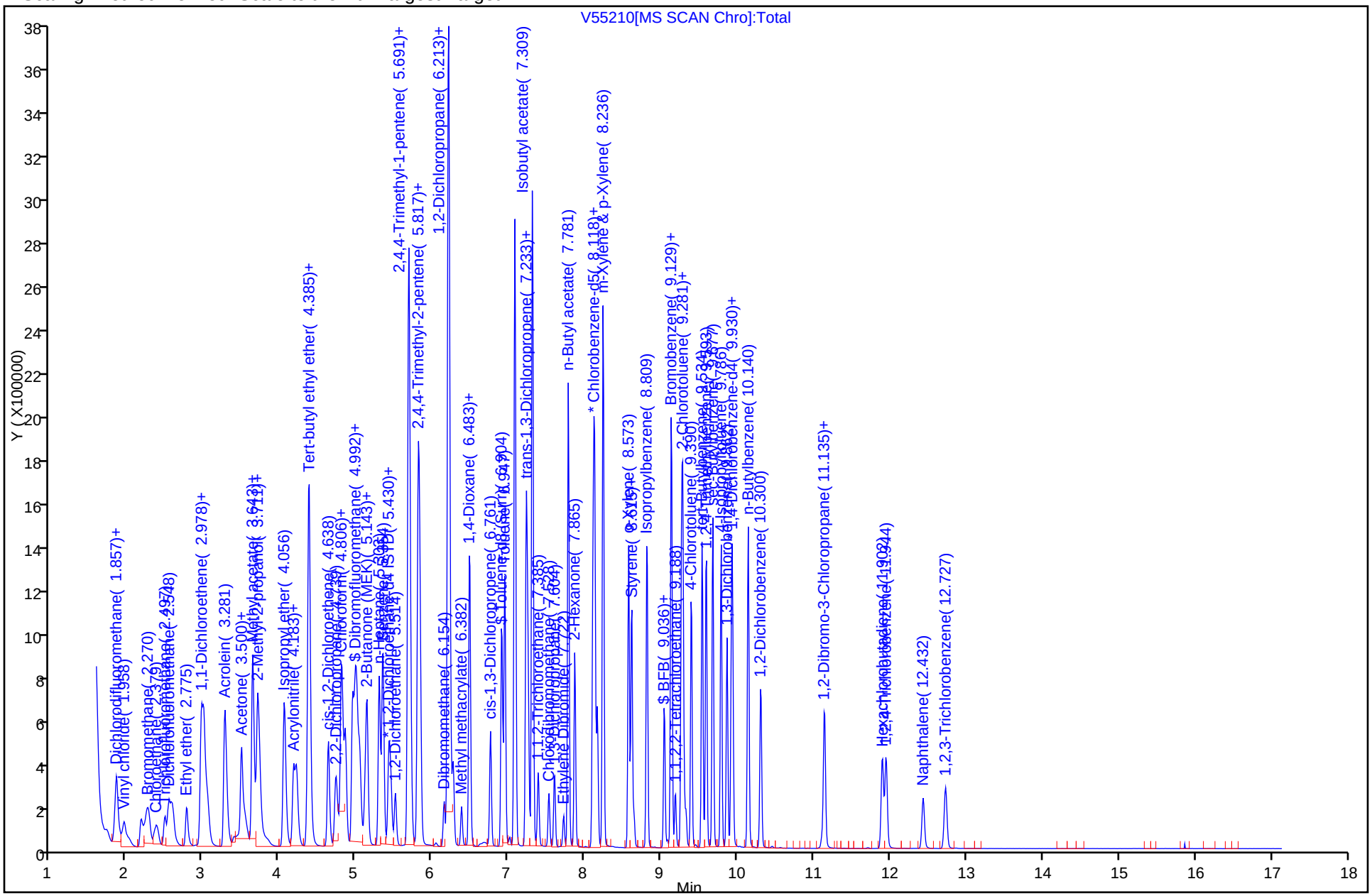
Injection Date: 01-Dec-2011 18:09:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 84385 Lims Sample ID: 3

Operator ID: BW

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 07-Dec-2011 15:23:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55210.D

Injection Date: 01-Dec-2011 18:09:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 84385 Lims Sample ID: 3

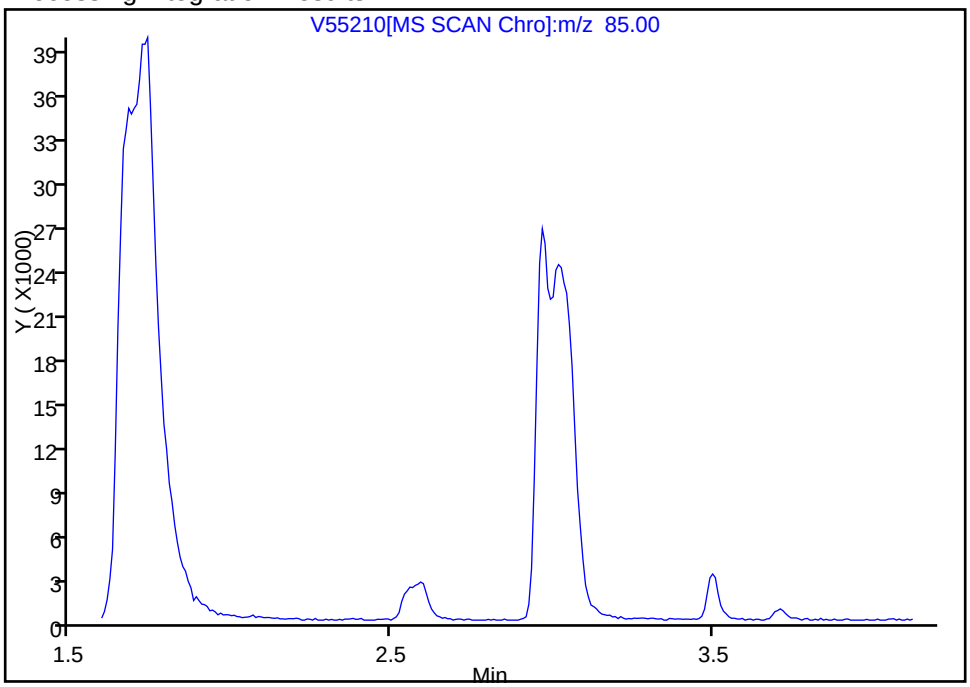
Operator ID: BW

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.72

Processing Integration Results

Not Detected

Expected RT: 1.72

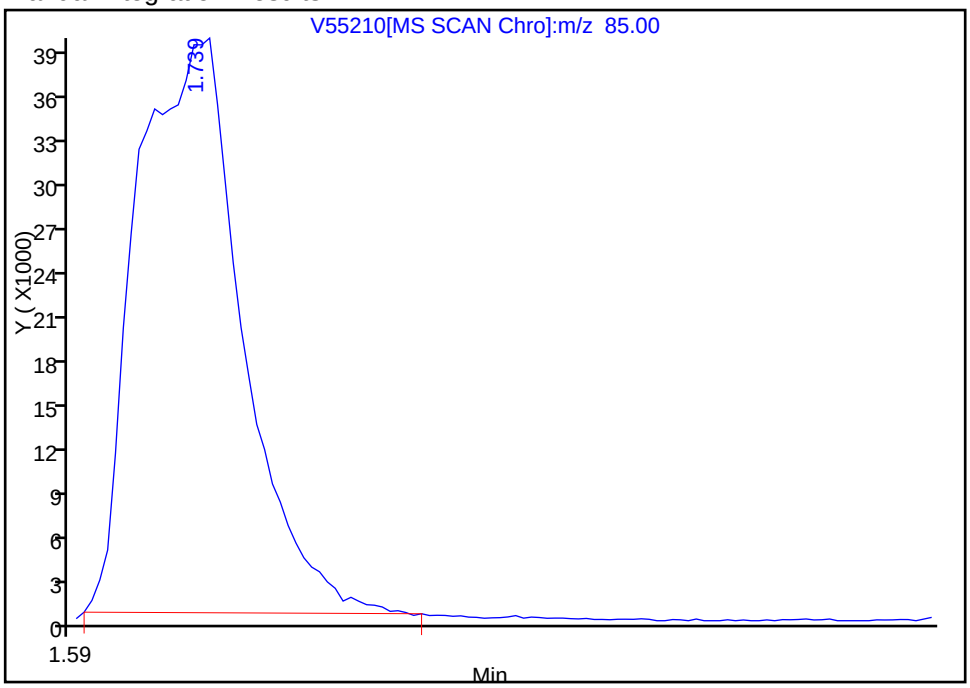


Manual Integration Results

RT: 1.74

Response: 307556

Amount: 19.926261



Reviewer: weigelb, 06-Dec-2011 15:44:52

Audit Action: Manually Integrated

Audit Reason: Wrong peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: LCS 360-84452/1-A

Matrix: Solid Lab File ID: V55235.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/06/2011 18:08

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.: 84468 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	96.0		2.5	1.2
71-55-6	1,1,1-Trichloroethane	95.5		2.5	2.0
79-34-5	1,1,2,2-Tetrachloroethane	107		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	86.0		13	1.4
79-00-5	1,1,2-Trichloroethane	104		2.5	1.0
75-34-3	1,1-Dichloroethane	100		2.5	1.9
75-35-4	1,1-Dichloroethene	93.5		2.5	1.6
563-58-6	1,1-Dichloropropene	107		2.5	1.5
87-61-6	1,2,3-Trichlorobenzene	93.5		2.5	1.1
96-18-4	1,2,3-Trichloropropane	88.5		2.5	1.2
120-82-1	1,2,4-Trichlorobenzene	91.5		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	108		2.5	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	89.0		25	2.8
95-50-1	1,2-Dichlorobenzene	94.5		2.5	1.0
107-06-2	1,2-Dichloroethane	94.0		2.5	1.0
78-87-5	1,2-Dichloropropane	112		2.5	1.6
108-67-8	1,3,5-Trimethylbenzene	122		2.5	1.5
541-73-1	1,3-Dichlorobenzene	94.0		2.5	1.0
142-28-9	1,3-Dichloropropane	90.0		2.5	1.1
106-46-7	1,4-Dichlorobenzene	94.5		2.5	1.0
594-20-7	2,2-Dichloropropane	106		2.5	2.1
78-93-3	2-Butanone (MEK)	1150		25	11
95-49-8	2-Chlorotoluene	126		2.5	1.3
591-78-6	2-Hexanone	1250		25	14
106-43-4	4-Chlorotoluene	101		2.5	1.2
99-87-6	4-Isopropyltoluene	101		2.5	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	1350		25	10
67-64-1	Acetone	1220		250	100
107-13-1	Acrylonitrile	110		25	2.4
71-43-2	Benzene	105		2.5	1.6
108-86-1	Bromobenzene	105		2.5	1.0
75-25-2	Bromoform	78.5		2.5	1.6
74-83-9	Bromomethane	102		5.0	2.3
75-15-0	Carbon disulfide	94.5		2.5	1.9
56-23-5	Carbon tetrachloride	108		2.5	1.7
108-90-7	Chlorobenzene	99.0		2.5	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: | Lab Sample ID: LCS 360-84452/1-A

Matrix: Solid | Lab File ID: V55235.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/06/2011 18:08

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.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	81.5		2.5	1.2
75-00-3	Chloroethane	126		5.0	2.0
67-66-3	Chloroform	98.5		2.5	1.5
74-87-3	Chloromethane	112		5.0	1.6
156-59-2	cis-1,2-Dichloroethene	103		2.5	1.2
10061-01-5	cis-1,3-Dichloropropene	107		2.5	1.0
74-95-3	Dibromomethane	97.5		2.5	1.3
75-27-4	Dichlorobromomethane	102		2.5	1.3
75-71-8	Dichlorodifluoromethane	92.0		5.0	2.1
100-41-4	Ethylbenzene	105		2.5	1.8
106-93-4	Ethylene Dibromide	81.5		2.5	1.1
87-68-3	Hexachlorobutadiene	90.0		2.5	1.5
98-82-8	Isopropylbenzene	104		2.5	1.5
179601-23-1	m-Xylene & p-Xylene	254		5.0	3.5
1634-04-4	Methyl tert-butyl ether	99.0		2.5	1.5
75-09-2	Methylene Chloride	98.5		10	9.8
104-51-8	n-Butylbenzene	113		2.5	1.2
103-65-1	N-Propylbenzene	134		2.5	1.7
91-20-3	Naphthalene	99.5		25	2.3
95-47-6	o-Xylene	106		2.5	1.3
135-98-8	sec-Butylbenzene	105		2.5	1.4
100-42-5	Styrene	101		2.5	1.0
98-06-6	tert-Butylbenzene	101		2.5	1.4
127-18-4	Tetrachloroethene	90.5		2.5	1.8
109-99-9	Tetrahydrofuran	1100		50	12
108-88-3	Toluene	104		2.5	1.8
156-60-5	trans-1,2-Dichloroethene	102		2.5	1.6
10061-02-6	trans-1,3-Dichloropropene	104		2.5	1.0
110-57-6	trans-1,4-Dichloro-2-butene	132		5.0	2.1
79-01-6	Trichloroethene	98.5		2.5	2.1
75-69-4	Trichlorofluoromethane	96.5		5.0	1.4
75-01-4	Vinyl chloride	103		2.5	1.7
1330-20-7	Xylenes, Total	360		5.0	3.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: LCS 360-84452/1-A

Matrix: Solid Lab File ID: V55235.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/06/2011 18:08

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.: 84468 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		70-130
1868-53-7	Dibromofluoromethane	91		70-130
2037-26-5	Toluene-d8 (Surr)	97		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55235.D
Lims ID: LCS 360-84452/1-A Client ID:
Inject. Date: 06-Dec-2011 18:08:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 8260LL =8260LL
Operator: BW Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 84468 Lims Sample ID: 3
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m
Last Update: 07-Dec-2011 16:49:09 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 07-Dec-2011 16:49:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85	1.740	1.740	-0.014	87	290495	18.4	M
2 Chloromethane	50	1.875	1.889	-0.014	100	439532	22.3	
3 Vinyl chloride	62	1.976	1.990	-0.014	56	333862	20.5	
4 Bromomethane	94	2.296	2.310	-0.014	90	210322	20.3	
5 Chloroethane	64	2.406	2.420	-0.014	95	188220	25.1	
6 Trichlorofluoromethane	101	2.507	2.504	0.003	78	332529	19.3	
7 Dichlorofluoromethane	67	2.608	2.614	-0.006	87	455448	0	
8 Ethyl ether	59	2.793	2.791	0.002	97	139875	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.987	2.984	0.003	73	168526	0	
9 1,1-Dichloroethene	96	2.995	2.984	0.011	98	193436	18.7	
11 Ethanol	45	3.012	3.010	0.002	6	45796	0	
10 Carbon disulfide	76	3.021	3.018	0.003	99	581119	18.9	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.063	3.077	-0.014	86	118667	17.2	
14 Acrolein	56	3.299	3.296	0.003	94	911515	0	
15 Isopropyl alcohol	45	3.467	3.456	0.011	87	302080	0	
16 Methylene Chloride	84	3.518	3.515	0.003	99	237016	19.7	
17 Acetone	43	3.560	3.557	0.003	94	266378	243.8	
18 trans-1,2-Dichloroethene	61	3.661	3.659	0.002	77	349657	20.3	
19 Methyl acetate	43	3.670	3.667	0.003	99	790503	226.7	
20 Hexane	57	3.729	3.726	0.003	69	448583	0	
21 Methyl tert-butyl ether	73	3.754	3.751	0.003	60	392459	19.8	
22 2-Methyl-2-propanol	59	3.855	3.827	0.028	12	108055	0	
23 Isopropyl ether	45	4.083	4.080	0.003	99	853959	0	
24 1,1-Dichloroethane	63	4.201	4.198	0.003	83	437631	20.0	
125 Halothane	117	4.243	4.232	0.011	89	155419	0	
25 Acrylonitrile	53	4.251	4.240	0.011	46	38649	21.9	
26 Tert-butyl ethyl ether	59	4.394	4.392	0.002	42	603592	0	
27 Vinyl acetate	43	4.403	4.400	0.003	97	2518273	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61	4.656	4.653	0.003	71	339470	20.5	
29 2,2-Dichloropropane	77	4.757	4.754	0.003	67	306332	21.1	
31 Chlorobromomethane	130	4.833	4.830	0.003	57	99900	0	
30 Cyclohexane	56	4.841	4.830	0.011	86	423430	0	
32 Chloroform	83	4.883	4.880	0.003	81	390598	19.7	
34 Ethyl acetate	43	4.976	4.973	0.003	99	998015	0	
36 sec-Butyl Alcohol	45	5.001	5.007	-0.006	61	515959	0	
33 Carbon tetrachloride	117	5.010	5.007	0.003	83	275538	21.5	
35 Tetrahydrofuran	42	5.018	5.015	0.003	63	303134	220.9	
$ 37 Dibromofluoromethane	113	5.043	5.032	0.011	75	156930	18.1	
38 1,1,1-Trichloroethane	97	5.068	5.066	0.002	55	306445	19.1	
39 2-Butanone (MEK)	43	5.144	5.142	0.002	98	428840	230.2	
40 1,1-Dichloropropene	75	5.170	5.167	0.003	93	307844	21.4	
41 n-Heptane	43	5.321	5.327	-0.006	97	390114	0	
42 Benzene	78	5.372	5.369	0.003	97	851787	20.9	
43 Tert-amyl methyl ether	73	5.456	5.454	0.002	87	440042	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.481	5.479	0.002	0	31297	20.0	
45 1,2-Dichloroethane	62	5.540	5.538	0.002	74	188179	18.8	
* 46 Fluorobenzene	96	5.709	5.698	0.011	59	718088	20.0	
48 Isopropyl acetate	43	5.717	5.715	0.002	98	2051254	0	
47 2,4,4-Trimethyl-1-pentene	55	5.726	5.723	0.003	66	194660	0	
50 Trichloroethene	95	5.835	5.833	0.002	66	227350	19.7	
49 Methylcyclohexane	83	5.835	5.833	0.002	89	394772	21.8	
51 2,4,4-Trimethyl-2-pentene	112	5.861	5.858	0.003	93	124301	0	
52 Dibromomethane	93	6.172	6.170	0.002	77	92118	19.5	
53 1,2-Dichloropropane	63	6.257	6.254	0.003	64	203823	22.3	
54 Dichlorobromomethane	83	6.299	6.296	0.003	93	248923	20.4	
55 Methyl methacrylate	69	6.408	6.406	0.002	96	65735	0	
56 1,4-Dioxane	88	6.467	6.456	0.011	65	7179	0	
57 n-Propyl acetate	43	6.509	6.507	0.002	99	1345253	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.788	6.785	0.003	88	298488	21.4	
$ 60 Toluene-d8 (Surr)	98	6.931	6.928	0.003	84	677859	19.4	
61 Toluene	92	6.973	6.970	0.003	90	523664	20.8	
63 4-Methyl-2-pentanone (MIBK)	43	7.251	7.248	0.003	97	987990	269.6	
62 Tetrachloroethene	166	7.268	7.265	0.003	67	174922	18.1	
64 trans-1,3-Dichloropropene	75	7.285	7.282	0.003	87	193282	20.7	
65 Isobutyl acetate	43	7.335	7.333	0.002	94	2719741	0	
66 1,1,2-Trichloroethane	83	7.411	7.409	0.002	81	94317	20.7	
67 Chlorodibromomethane	129	7.546	7.543	0.003	88	125853	16.3	
68 1,3-Dichloropropane	76	7.622	7.619	0.003	93	195515	18.0	
69 Ethylene Dibromide	107	7.740	7.737	0.003	97	97934	16.3	
70 n-Butyl acetate	43	7.799	7.796	0.003	98	1500502	0	
71 2-Hexanone	43	7.883	7.889	-0.006	98	604046	250.2	
* 72 Chlorobenzene-d5	117	8.127	8.125	0.002	87	467664	20.0	
73 Chlorobenzene	112	8.136	8.133	0.003	86	455004	19.8	
74 Ethylbenzene	91	8.153	8.150	0.003	98	906816	21.0	
75 1,1,1,2-Tetrachloroethane	131	8.186	8.184	0.002	61	163466	19.2	
76 m-Xylene & p-Xylene	91	8.254	8.260	-0.006	99	1387730	50.8	
77 o-Xylene	91	8.591	8.588	0.003	98	776957	21.1	
78 Styrene	104	8.633	8.630	0.003	96	532010	20.1	
79 Bromoform	173	8.667	8.664	0.003	77	62138	15.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105	8.835	8.833	0.002	95	950610	20.8	
$ 81 BFB	95	9.054	9.037	0.017	0	258072	0	
$ 82 4-Bromofluorobenzene	95	9.054	9.060	-0.006	77	258072	20.0	
83 Bromobenzene	77	9.147	9.144	0.003	48	348372	21.0	
84 N-Propylbenzene	91	9.156	9.153	0.003	97	1137806	26.8	
85 1,1,2,2-Tetrachloroethane	83	9.206	9.203	0.003	76	129512	21.4	
86 2-Chlorotoluene	91	9.282	9.279	0.003	92	743577	25.1	
87 1,3,5-Trimethylbenzene	105	9.299	9.296	0.003	88	738715	24.4	
88 1,2,3-Trichloropropane	110	9.324	9.321	0.003	84	29443	17.7	
89 trans-1,4-Dichloro-2-butene	53	9.341	9.338	0.003	1	30522	26.4	
90 4-Chlorotoluene	91	9.408	9.414	-0.006	98	678247	20.1	
91 tert-Butylbenzene	119	9.552	9.557	-0.005	87	623870	20.2	
92 1,2,4-Trimethylbenzene	105	9.611	9.611	0.003	37	749635	21.5	
93 sec-Butylbenzene	105	9.695	9.692	0.003	94	1068635	20.9	
94 4-Isopropyltoluene	119	9.804	9.802	0.002	92	782286	20.2	
95 1,3-Dichlorobenzene	146	9.880	9.878	0.002	97	375961	18.8	
* 96 1,4-Dichlorobenzene-d4	115	9.939	9.937	0.002	94	141999	20.0	
97 1,4-Dichlorobenzene	146	9.956	9.953	0.003	90	363125	18.9	
98 n-Butylbenzene	91	10.158	10.156	0.002	95	903274	22.6	
99 1,2-Dichlorobenzene	146	10.327	10.324	0.003	96	325118	18.9	
100 1,2-Dibromo-3-Chloropropane	157	11.136	11.125	0.011	64	17622	17.8	
101 1,3,5-Trichlorobenzene	180	11.161	11.158	0.003	96	247472	0	
102 Hexachlorobutadiene	225	11.928	11.925	0.003	83	123384	18.0	
103 1,2,4-Trichlorobenzene	180	11.970	11.976	-0.006	84	185924	18.3	
104 Naphthalene	128	12.459	12.456	0.003	97	288729	19.9	
105 1,2,3-Trichlorobenzene	180	12.754	12.760	-0.006	93	147050	18.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 07-Dec-2011 16:49:59 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55235.D

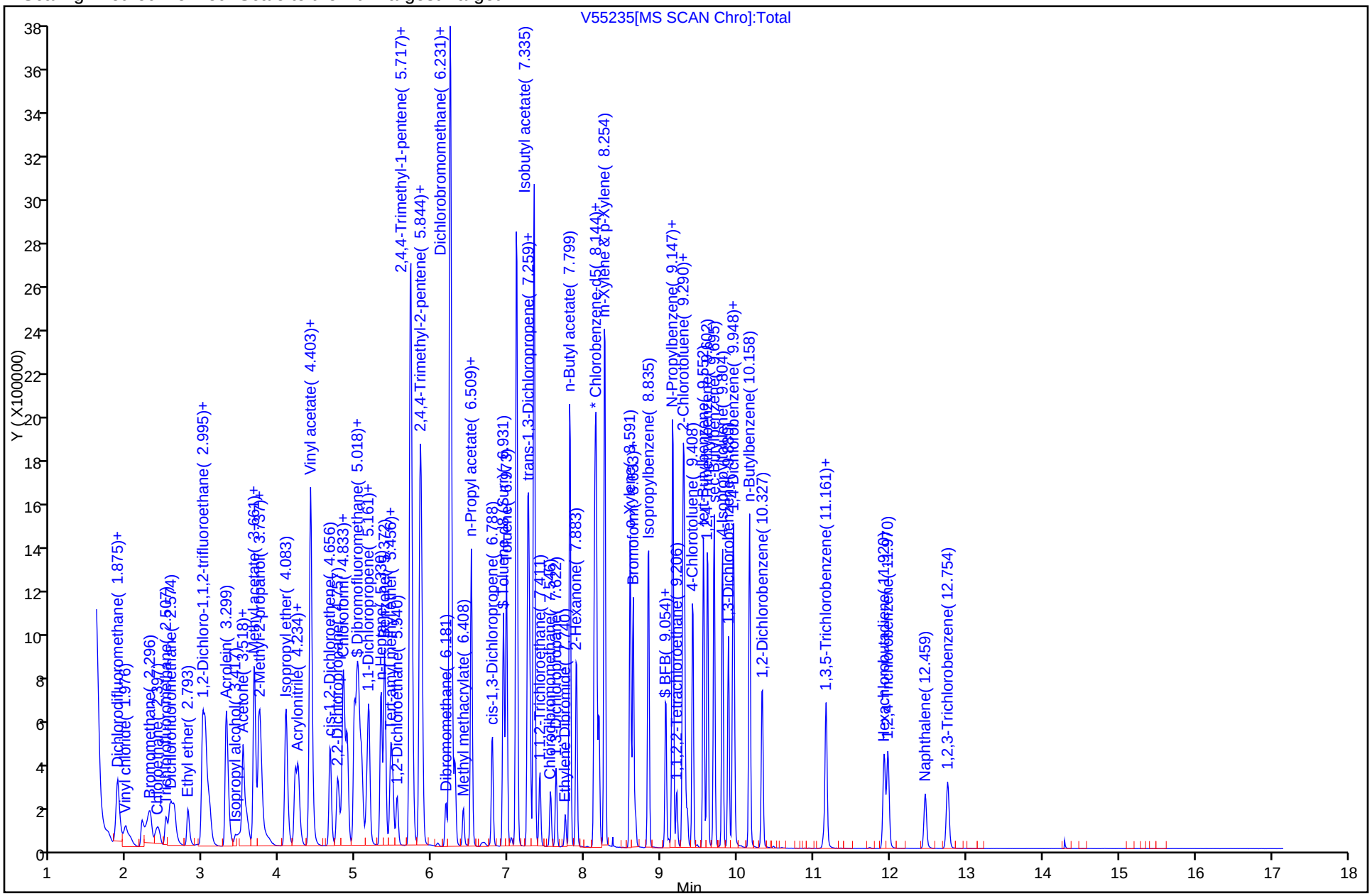
Injection Date: 06-Dec-2011 18:08:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 84468 Lims Sample ID: 3

Operator ID: BW

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 07-Dec-2011 16:49:59 Chrom Revision: 2.0 29-Sep-2011 09:38:02

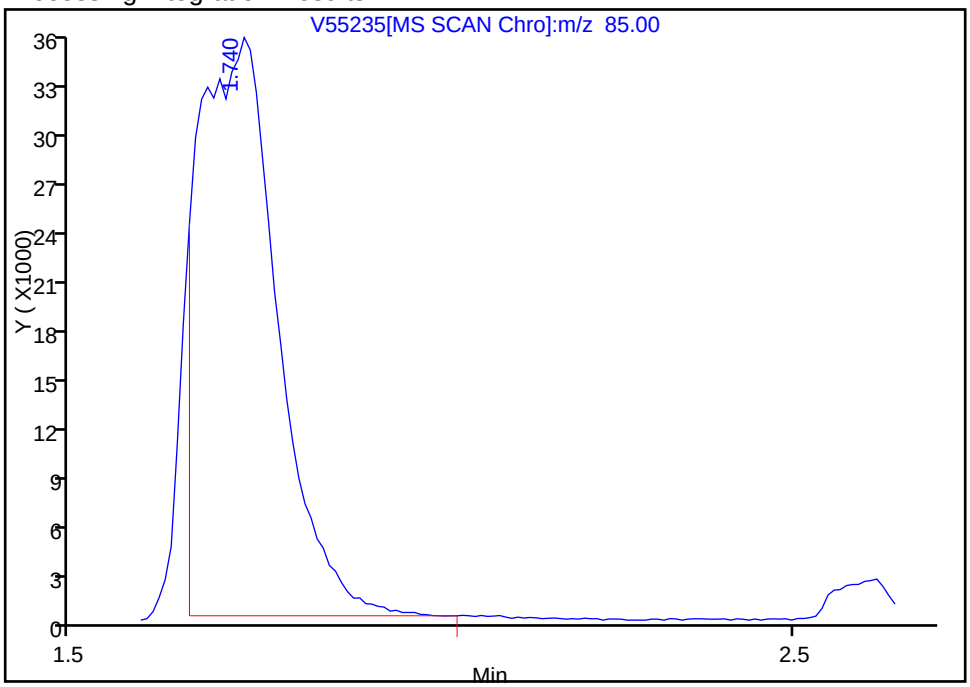
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55235.D		
Injection Date:	06-Dec-2011 18:08:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:		Instrument ID:	HP #1 GC/MS
Lims Batch ID:	84468	Lims Sample ID:	3
Operator ID:	BW		

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

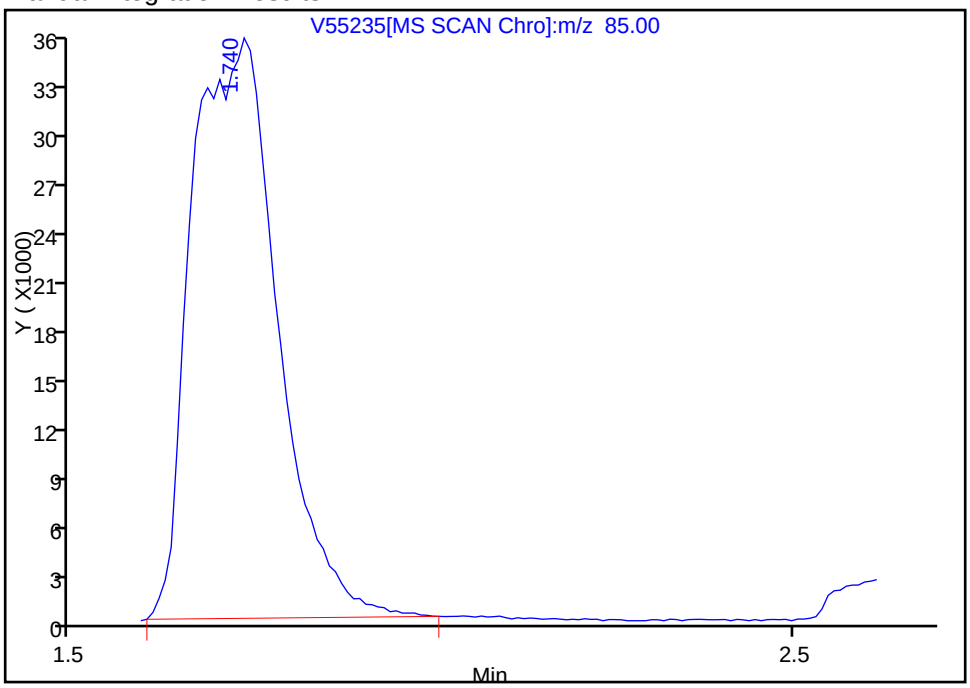
Processing Integration Results

RT: 1.74
Response: 270255
Amount: 17.155223



Manual Integration Results

RT: 1.74
Response: 290495
Amount: 18.440015



Reviewer: weigelb, 07-Dec-2011 16:49:59
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: LCSD 360-84384/2-A

Matrix: Solid Lab File ID: V55211.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 10(g) Date Analyzed: 12/01/2011 18:34

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.: 84385 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5130		130	60
71-55-6	1,1,1-Trichloroethane	4650		130	100
79-34-5	1,1,2,2-Tetrachloroethane	5650		130	50
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4280		630	72
79-00-5	1,1,2-Trichloroethane	5180		130	50
75-34-3	1,1-Dichloroethane	5300		130	95
75-35-4	1,1-Dichloroethene	4950		130	80
563-58-6	1,1-Dichloropropene	5450		130	75
87-61-6	1,2,3-Trichlorobenzene	4950		130	55
96-18-4	1,2,3-Trichloropropane	4850		130	60
120-82-1	1,2,4-Trichlorobenzene	4850		130	50
95-63-6	1,2,4-Trimethylbenzene	5530		130	70
96-12-8	1,2-Dibromo-3-Chloropropane	4780		1300	140
95-50-1	1,2-Dichlorobenzene	5200		130	50
107-06-2	1,2-Dichloroethane	5130		130	50
78-87-5	1,2-Dichloropropane	5280		130	80
108-67-8	1,3,5-Trimethylbenzene	6080		130	75
541-73-1	1,3-Dichlorobenzene	5030		130	50
142-28-9	1,3-Dichloropropane	4550		130	57
106-46-7	1,4-Dichlorobenzene	5080		130	50
594-20-7	2,2-Dichloropropane	4750		130	110
78-93-3	2-Butanone (MEK)	65000		1300	540
95-49-8	2-Chlorotoluene	6330		130	65
591-78-6	2-Hexanone	60100		1300	700
106-43-4	4-Chlorotoluene	5500		130	60
99-87-6	4-Isopropyltoluene	5230		130	75
108-10-1	4-Methyl-2-pentanone (MIBK)	62600		1300	510
67-64-1	Acetone	60400		13000	5000
107-13-1	Acrylonitrile	6100		1300	120
71-43-2	Benzene	5430		130	80
108-86-1	Bromobenzene	5480		130	50
75-25-2	Bromoform	4330		130	80
74-83-9	Bromomethane	5150		250	120
75-15-0	Carbon disulfide	5230		130	95
56-23-5	Carbon tetrachloride	4450		130	85
108-90-7	Chlorobenzene	5250		130	60

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: | Lab Sample ID: LCSD 360-84384/2-A

Matrix: Solid | Lab File ID: V55211.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 10(g) | Date Analyzed: 12/01/2011 18:34

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.: 84385 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	4200		130	60
75-00-3	Chloroethane	6530		250	100
67-66-3	Chloroform	5200		130	75
74-87-3	Chloromethane	5580		250	80
156-59-2	cis-1,2-Dichloroethene	5450		130	59
10061-01-5	cis-1,3-Dichloropropene	5180		130	50
74-95-3	Dibromomethane	5050		130	63
75-27-4	Dichlorobromomethane	5000		130	64
75-71-8	Dichlorodifluoromethane	4880		250	110
100-41-4	Ethylbenzene	5330		130	90
106-93-4	Ethylene Dibromide	4280		130	56
87-68-3	Hexachlorobutadiene	4730		130	75
98-82-8	Isopropylbenzene	5200		130	75
179601-23-1	m-Xylene & p-Xylene	13000		250	180
1634-04-4	Methyl tert-butyl ether	5380		130	75
75-09-2	Methylene Chloride	4980		500	490
104-51-8	n-Butylbenzene	5530		130	60
103-65-1	N-Propylbenzene	6750		130	85
91-20-3	Naphthalene	5180		1300	120
95-47-6	o-Xylene	5380		130	65
135-98-8	sec-Butylbenzene	5230		130	70
100-42-5	Styrene	5400		130	50
98-06-6	tert-Butylbenzene	5250		130	70
127-18-4	Tetrachloroethene	4680		130	90
109-99-9	Tetrahydrofuran	61100		2500	620
108-88-3	Toluene	5000		130	90
156-60-5	trans-1,2-Dichloroethene	5430		130	80
10061-02-6	trans-1,3-Dichloropropene	5030		130	52
110-57-6	trans-1,4-Dichloro-2-butene	6830		250	110
79-01-6	Trichloroethene	4880		130	110
75-69-4	Trichlorofluoromethane	4600		250	71
75-01-4	Vinyl chloride	5250		130	85
1330-20-7	Xylenes, Total	18400		250	180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: LCSD 360-84384/2-A

Matrix: Solid Lab File ID: V55211.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 10(g) Date Analyzed: 12/01/2011 18:34

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.: 84385 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		70-130
1868-53-7	Dibromofluoromethane	93		70-130
2037-26-5	Toluene-d8 (Surr)	94		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55211.D
Lims ID: LCSD 360-84384/2-A Client ID:
Inject. Date: 01-Dec-2011 18:34:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD
Misc. Info.: 8260HL =8260HL
Operator: BW Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 84385 Lims Sample ID: 4
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\WES1SOIL.m
Last Update: 07-Dec-2011 15:23:26 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 06-Dec-2011 15:45:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85	1.735	1.723	0.012	0	302563	19.5	M
2 Chloromethane	50	1.862	1.849	0.013	99	434015	22.3	
3 Vinyl chloride	62	1.963	1.959	0.004	60	337433	21.0	
4 Bromomethane	94	2.275	2.262	0.013	90	210566	20.6	
5 Chloroethane	64	2.401	2.388	0.013	95	192307	26.1	
6 Trichlorofluoromethane	101	2.485	2.489	-0.004	78	313725	18.4	
7 Dichlorofluoromethane	67	2.595	2.574	0.021	90	445346	0	
8 Ethyl ether	59	2.772	2.768	0.004	96	159244	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.966	2.961	0.005	62	167913	0	
9 1,1-Dichloroethene	96	2.966	2.970	-0.004	88	201959	19.8	
11 Ethanol	45	2.991	2.987	0.004	19	56361	0	
10 Carbon disulfide	76	2.999	2.995	0.004	99	633478	20.9	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.050	3.037	0.013	80	116580	17.1	
14 Acrolein	56	3.277	3.273	0.004	96	1016057	0	
15 Isopropyl alcohol	45	3.438	3.442	-0.004	86	323427	0	
16 Methylene Chloride	84	3.497	3.492	0.005	98	235680	19.9	
17 Acetone	43	3.539	3.534	0.005	94	268090	241.4	
18 trans-1,2-Dichloroethene	61	3.640	3.636	0.004	67	369176	21.7	
19 Methyl acetate	43	3.648	3.636	0.012	99	861812	250.6	
20 Hexane	57	3.707	3.703	0.004	70	474494	0	
21 Methyl tert-butyl ether	73	3.732	3.728	0.004	51	422251	21.5	
22 2-Methyl-2-propanol	59	3.817	3.821	-0.004	12	111210	0	
23 Isopropyl ether	45	4.053	4.048	0.005	99	931912	0	
24 1,1-Dichloroethane	63	4.179	4.175	0.004	94	458506	21.2	
125 Halothane	117	4.213	4.209	0.004	92	152541	0	
25 Acrylonitrile	53	4.221	4.217	0.004	44	42362	24.4	
26 Tert-butyl ethyl ether	59	4.364	4.360	0.004	53	646223	0	
27 Vinyl acetate	43	4.381	4.377	0.004	97	2848408	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61	4.634	4.630	0.004	84	354723	21.8	
29 2,2-Dichloropropane	77	4.735	4.723	0.012	65	272643	19.0	
31 Chlorobromomethane	130	4.803	4.798	0.005	64	107199	0	
30 Cyclohexane	56	4.811	4.807	0.004	87	428246	0	
32 Chloroform	83	4.862	4.849	0.013	94	406445	20.8	
34 Ethyl acetate	43	4.954	4.942	0.012	98	1125606	0	
36 sec-Butyl Alcohol	45	4.980	4.975	0.005	70	558169	0	
33 Carbon tetrachloride	117	4.988	4.975	0.013	74	225356	17.8	
35 Tetrahydrofuran	42	4.997	4.992	0.004	63	330452	244.2	
$ 37 Dibromofluoromethane	113	5.013	5.009	0.004	72	158058	18.5	
38 1,1,1-Trichloroethane	97	5.047	5.034	0.013	51	294018	18.6	
39 2-Butanone (MEK)	43	5.114	5.110	0.004	98	492163	259.9	
40 1,1-Dichloropropene	75	5.140	5.136	0.004	88	309137	21.8	
41 n-Heptane	43	5.300	5.296	0.004	97	398279	0	
42 Benzene	78	5.350	5.346	0.004	97	871544	21.7	
43 Tert-amyl methyl ether	73	5.426	5.422	0.004	96	474031	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.460	5.456	0.004	0	31805	20.0	
45 1,2-Dichloroethane	62	5.511	5.506	0.005	84	202564	20.5	
48 Isopropyl acetate	43	5.688	5.683	0.005	99	2121854	0	
* 46 Fluorobenzene	96	5.679	5.675	0.004	66	708320	20.0	
47 2,4,4-Trimethyl-1-pentene	55	5.704	5.700	0.004	69	179426	0	
50 Trichloroethene	95	5.814	5.810	0.004	60	221596	19.5	
49 Methylcyclohexane	83	5.814	5.810	0.004	84	373742	20.9	
51 2,4,4-Trimethyl-2-pentene	112	5.831	5.827	0.004	92	120666	0	
52 Dibromomethane	93	6.151	6.147	0.004	82	94497	20.2	
53 1,2-Dichloropropane	63	6.235	6.223	0.012	71	189512	21.1	
54 Dichlorobromomethane	83	6.269	6.265	0.004	97	240853	20.0	
55 Methyl methacrylate	69	6.379	6.374	0.004	94	68243	0	
56 1,4-Dioxane	88	6.437	6.433	0.004	67	8343	0	
57 n-Propyl acetate	43	6.488	6.484	0.004	98	1347111	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.758	6.753	0.005	90	285048	20.7	
$ 60 Toluene-d8 (Surr)	98	6.909	6.905	0.004	83	647032	18.8	
61 Toluene	92	6.952	6.939	0.013	90	497457	20.0	
63 4-Methyl-2-pentanone (MIBK)	43	7.230	7.225	0.005	96	931987	250.2	
62 Tetrachloroethene	166	7.246	7.242	0.004	70	177758	18.7	
64 trans-1,3-Dichloropropene	75	7.263	7.251	0.012	89	184337	20.1	
65 Isobutyl acetate	43	7.314	7.301	0.013	94	2513172	0	
66 1,1,2-Trichloroethane	83	7.390	7.377	0.013	87	92908	20.7	
67 Chlorodibromomethane	129	7.525	7.520	0.005	86	128999	16.8	
68 1,3-Dichloropropane	76	7.600	7.596	0.004	89	194715	18.2	
69 Ethylene Dibromide	107	7.718	7.714	0.004	98	102758	17.1	
70 n-Butyl acetate	43	7.777	7.773	0.004	99	1507376	0	
71 2-Hexanone	43	7.870	7.857	0.013	96	589285	240.2	
* 72 Chlorobenzene-d5	117	8.106	8.102	0.004	85	441730	20.0	
73 Chlorobenzene	112	8.114	8.110	0.004	87	455832	21.0	
74 Ethylbenzene	91	8.131	8.127	0.004	98	869790	21.3	
75 1,1,1,2-Tetrachloroethane	131	8.165	8.161	0.004	61	165103	20.5	
76 m-Xylene & p-Xylene	91	8.241	8.237	0.004	97	1339420	52.1	
77 o-Xylene	91	8.569	8.565	0.004	98	745423	21.5	
78 Styrene	104	8.612	8.607	0.005	96	540142	21.6	
79 Bromoform	173	8.645	8.641	0.004	83	65529	17.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105	8.814	8.810	0.004	95	895712	20.8	
$ 81 BFB	95	9.041	9.037	0.004	0	245039	0	
$ 82 4-Bromofluorobenzene	95	9.041	9.037	0.004	83	245039	20.1	
83 Bromobenzene	77	9.126	9.121	0.005	61	342436	21.9	
84 N-Propylbenzene	91	9.134	9.130	0.004	96	1082343	27.0	
85 1,1,2,2-Tetrachloroethane	83	9.185	9.180	0.005	75	127971	22.6	
86 2-Chlorotoluene	91	9.269	9.265	0.004	94	707302	25.3	
87 1,3,5-Trimethylbenzene	105	9.286	9.282	0.004	90	696858	24.3	
88 1,2,3-Trichloropropane	110	9.303	9.298	0.005	85	30465	19.4	
89 trans-1,4-Dichloro-2-butene	53	9.328	9.324	0.004	1	29676	27.3	
90 4-Chlorotoluene	91	9.395	9.391	0.004	93	700809	22.0	
91 tert-Butylbenzene	119	9.539	9.534	0.005	87	609887	21.0	
92 1,2,4-Trimethylbenzene	105	9.589	9.585	0.004	63	722972	22.1	
93 sec-Butylbenzene	105	9.673	9.669	0.004	95	1006024	20.9	
94 4-Isopropyltoluene	119	9.783	9.779	0.004	92	765407	20.9	
95 1,3-Dichlorobenzene	146	9.867	9.863	0.004	98	379046	20.1	
* 96 1,4-Dichlorobenzene-d4	115	9.918	9.914	0.004	97	132956	20.0	
97 1,4-Dichlorobenzene	146	9.935	9.930	0.005	86	365083	20.3	
98 n-Butylbenzene	91	10.137	10.133	0.004	95	826313	22.1	
99 1,2-Dichlorobenzene	146	10.305	10.301	0.004	95	335128	20.8	
100 1,2-Dibromo-3-Chloropropane	157	11.106	11.102	0.004	71	17718	19.1	
101 1,3,5-Trichlorobenzene	180	11.140	11.135	0.005	93	248215	0	
102 Hexachlorobutadiene	225	11.898	11.894	0.004	86	121445	18.9	
103 1,2,4-Trichlorobenzene	180	11.949	11.944	0.005	89	184884	19.4	
104 Naphthalene	128	12.429	12.425	0.004	97	281015	20.7	
105 1,2,3-Trichlorobenzene	180	12.724	12.720	0.004	92	145840	19.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 07-Dec-2011 15:23:29 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55211.D

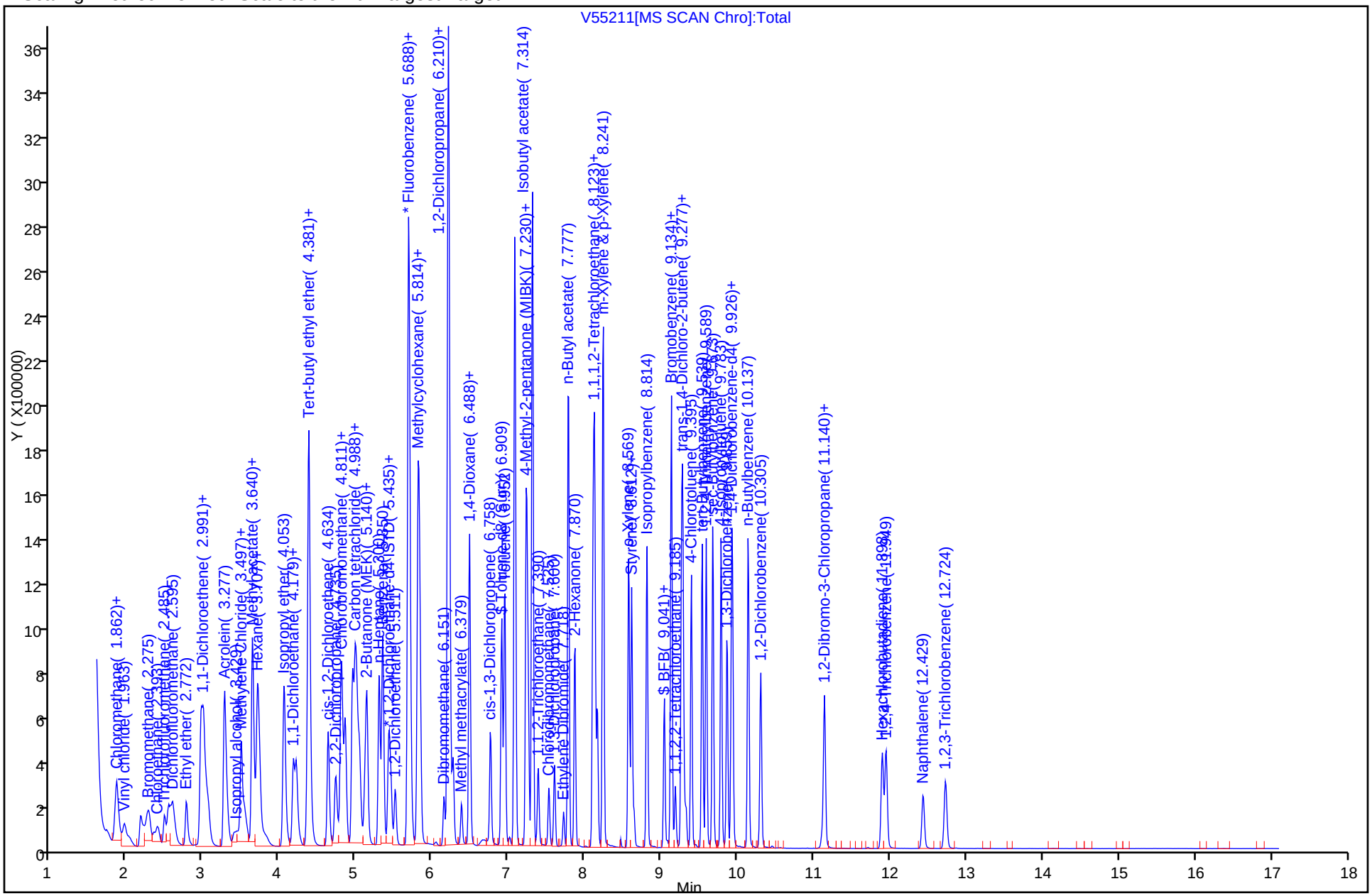
Injection Date: 01-Dec-2011 18:34:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 84385 Lims Sample ID: 4

Operator ID: BW

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 07-Dec-2011 15:23:29 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111201-7318.b\V55211.D

Injection Date: 01-Dec-2011 18:34:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 84385 Lims Sample ID: 4

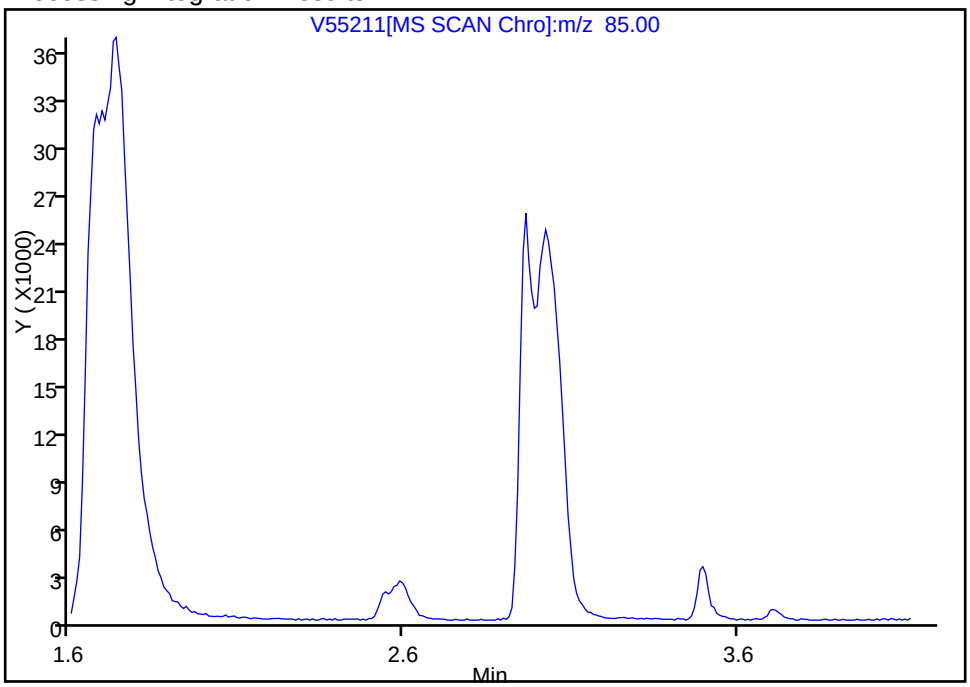
Operator ID: BW

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.72

Processing Integration Results

Not Detected

Expected RT: 1.72

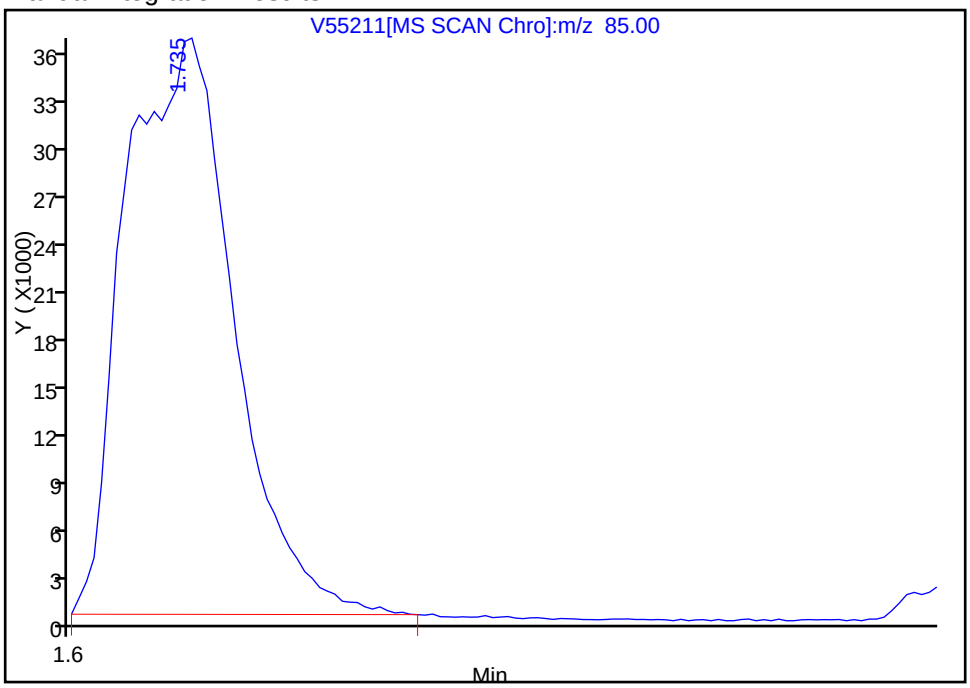


Manual Integration Results

RT: 1.74

Response: 302563

Amount: 19.470926



Reviewer: weigelb, 06-Dec-2011 15:45:31

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: LCSD 360-84452/2-A

Matrix: Solid Lab File ID: V55236.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/06/2011 18:33

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.: 84468 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	90.5		2.5	1.2
71-55-6	1,1,1-Trichloroethane	86.5		2.5	2.0
79-34-5	1,1,2,2-Tetrachloroethane	112		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	78.5		13	1.4
79-00-5	1,1,2-Trichloroethane	106		2.5	1.0
75-34-3	1,1-Dichloroethane	94.5		2.5	1.9
75-35-4	1,1-Dichloroethene	87.5		2.5	1.6
563-58-6	1,1-Dichloropropene	97.5		2.5	1.5
87-61-6	1,2,3-Trichlorobenzene	91.5		2.5	1.1
96-18-4	1,2,3-Trichloropropane	90.0		2.5	1.2
120-82-1	1,2,4-Trichlorobenzene	89.5		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	99.0		2.5	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	90.0		25	2.8
95-50-1	1,2-Dichlorobenzene	95.5		2.5	1.0
107-06-2	1,2-Dichloroethane	94.5		2.5	1.0
78-87-5	1,2-Dichloropropane	109		2.5	1.6
108-67-8	1,3,5-Trimethylbenzene	110		2.5	1.5
541-73-1	1,3-Dichlorobenzene	89.5		2.5	1.0
142-28-9	1,3-Dichloropropane	93.0		2.5	1.1
106-46-7	1,4-Dichlorobenzene	92.5		2.5	1.0
594-20-7	2,2-Dichloropropane	85.0		2.5	2.1
78-93-3	2-Butanone (MEK)	1250		25	11
95-49-8	2-Chlorotoluene	115		2.5	1.3
591-78-6	2-Hexanone	1360		25	14
106-43-4	4-Chlorotoluene	97.0		2.5	1.2
99-87-6	4-Isopropyltoluene	93.5		2.5	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	1430		25	10
67-64-1	Acetone	1150		250	100
107-13-1	Acrylonitrile	114		25	2.4
71-43-2	Benzene	100		2.5	1.6
108-86-1	Bromobenzene	102		2.5	1.0
75-25-2	Bromoform	82.0		2.5	1.6
74-83-9	Bromomethane	88.0		5.0	2.3
75-15-0	Carbon disulfide	88.0		2.5	1.9
56-23-5	Carbon tetrachloride	82.0		2.5	1.7
108-90-7	Chlorobenzene	95.5		2.5	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: | Lab Sample ID: LCSD 360-84452/2-A

Matrix: Solid | Lab File ID: V55236.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/06/2011 18:33

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.: 84468 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	82.5		2.5	1.2
75-00-3	Chloroethane	111		5.0	2.0
67-66-3	Chloroform	95.0		2.5	1.5
74-87-3	Chloromethane	99.5		5.0	1.6
156-59-2	cis-1,2-Dichloroethene	97.5		2.5	1.2
10061-01-5	cis-1,3-Dichloropropene	108		2.5	1.0
74-95-3	Dibromomethane	100		2.5	1.3
75-27-4	Dichlorobromomethane	101		2.5	1.3
75-71-8	Dichlorodifluoromethane	81.5		5.0	2.1
100-41-4	Ethylbenzene	100		2.5	1.8
106-93-4	Ethylene Dibromide	83.5		2.5	1.1
87-68-3	Hexachlorobutadiene	84.5		2.5	1.5
98-82-8	Isopropylbenzene	95.5		2.5	1.5
179601-23-1	m-Xylene & p-Xylene	238		5.0	3.5
1634-04-4	Methyl tert-butyl ether	98.5		2.5	1.5
75-09-2	Methylene Chloride	98.0		10	9.8
104-51-8	n-Butylbenzene	107		2.5	1.2
103-65-1	N-Propylbenzene	123		2.5	1.7
91-20-3	Naphthalene	99.0		25	2.3
95-47-6	o-Xylene	99.5		2.5	1.3
135-98-8	sec-Butylbenzene	95.5		2.5	1.4
100-42-5	Styrene	98.0		2.5	1.0
98-06-6	tert-Butylbenzene	92.0		2.5	1.4
127-18-4	Tetrachloroethene	86.0		2.5	1.8
109-99-9	Tetrahydrofuran	1170		50	12
108-88-3	Toluene	100		2.5	1.8
156-60-5	trans-1,2-Dichloroethene	96.0		2.5	1.6
10061-02-6	trans-1,3-Dichloropropene	108		2.5	1.0
110-57-6	trans-1,4-Dichloro-2-butene	134		5.0	2.1
79-01-6	Trichloroethene	93.0		2.5	2.1
75-69-4	Trichlorofluoromethane	84.0		5.0	1.4
75-01-4	Vinyl chloride	91.5		2.5	1.7
1330-20-7	Xylenes, Total	338		5.0	3.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: LCSD 360-84452/2-A

Matrix: Solid Lab File ID: V55236.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/06/2011 18:33

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.: 84468 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	99		70-130
1868-53-7	Dibromofluoromethane	91		70-130
2037-26-5	Toluene-d8 (Surr)	97		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55236.D
Lims ID: LCSD 360-84452/2-A Client ID:
Inject. Date: 06-Dec-2011 18:33:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD
Misc. Info.: 8260LL =8260LL
Operator: BW Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 84468 Lims Sample ID: 4
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\WES1SOIL.m
Last Update: 07-Dec-2011 16:51:25 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 07-Dec-2011 16:51:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85	1.747	1.747	-0.007	96	280931	16.3	M
2 Chloromethane	50	1.881	1.889	-0.008	89	430423	19.9	
3 Vinyl chloride	62	1.983	1.990	-0.007	75	325909	18.3	
4 Bromomethane	94	2.303	2.310	-0.007	91	199862	17.6	
5 Chloroethane	64	2.421	2.420	0.001	95	184514	22.1	
6 Trichlorofluoromethane	101	2.505	2.504	0.001	66	316774	16.8	
7 Dichlorofluoromethane	67	2.615	2.614	0.001	68	359103	0	
8 Ethyl ether	59	2.800	2.791	0.009	96	156282	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.985	2.984	0.001	73	171848	0	
9 1,1-Dichloroethene	96	2.994	2.984	0.010	97	198932	17.5	
11 Ethanol	45	3.002	3.010	-0.008	20	69762	0	
10 Carbon disulfide	76	3.019	3.018	0.001	99	592291	17.6	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.078	3.077	0.001	88	119174	15.7	
14 Acrolein	56	3.297	3.296	0.001	94	1030554	0	
15 Isopropyl alcohol	45	3.466	3.456	0.010	87	372262	0	
16 Methylene Chloride	84	3.516	3.515	0.001	98	258032	19.6	
17 Acetone	43	3.558	3.557	0.001	96	273354	230.5	
18 trans-1,2-Dichloroethene	61	3.659	3.659	0.0	75	363470	19.2	
19 Methyl acetate	43	3.668	3.667	0.001	98	879972	230.3	
20 Hexane	57	3.735	3.726	0.009	70	456889	0	
21 Methyl tert-butyl ether	73	3.752	3.751	0.001	60	427982	19.7	
22 2-Methyl-2-propanol	59	3.836	3.827	0.009	12	128761	0	
23 Isopropyl ether	45	4.081	4.080	0.001	99	903084	0	
24 1,1-Dichloroethane	63	4.199	4.198	0.001	94	453437	18.9	
125 Halothane	117	4.241	4.232	0.009	91	158163	0	
25 Acrylonitrile	53	4.249	4.240	0.009	48	44112	22.8	
26 Tert-butyl ethyl ether	59	4.393	4.392	0.001	46	647599	0	
27 Vinyl acetate	43	4.409	4.400	0.009	97	2808160	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61	4.662	4.653	0.009	70	352708	19.5	
29 2,2-Dichloropropane	77	4.755	4.754	0.001	65	270557	17.0	
31 Chlorobromomethane	130	4.831	4.830	0.001	60	110090	0	
30 Cyclohexane	56	4.839	4.830	0.009	86	408710	0	
32 Chloroform	83	4.881	4.880	0.001	81	411129	19.0	
34 Ethyl acetate	43	4.974	4.973	0.001	99	1151452	0	
36 sec-Butyl Alcohol	45	5.008	5.007	0.001	77	615220	0	
33 Carbon tetrachloride	117	5.008	5.007	0.001	65	230984	16.4	
35 Tetrahydrofuran	42	5.025	5.015	0.010	61	352535	234.5	
$ 37 Dibromofluoromethane	113	5.041	5.032	0.009	73	171355	18.1	
38 1,1,1-Trichloroethane	97	5.067	5.066	0.001	50	303179	17.3	
39 2-Butanone (MEK)	43	5.143	5.142	0.001	95	506096	250.6	
40 1,1-Dichloropropene	75	5.168	5.167	0.001	92	308201	19.5	
41 n-Heptane	43	5.328	5.327	0.001	96	381980	0	
42 Benzene	78	5.379	5.369	0.010	96	895029	20.0	
43 Tert-amyl methyl ether	73	5.454	5.454	0.0	87	465680	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.488	5.479	0.009	0	33931	20.0	
45 1,2-Dichloroethane	62	5.539	5.538	0.001	81	207829	18.9	
* 46 Fluorobenzene	96	5.707	5.698	0.009	61	786893	20.0	
48 Isopropyl acetate	43	5.716	5.715	0.001	99	2338372	0	
47 2,4,4-Trimethyl-1-pentene	55	5.732	5.723	0.009	76	188529	0	
50 Trichloroethene	95	5.842	5.833	0.009	60	235244	18.6	
49 Methylcyclohexane	83	5.834	5.833	0.001	91	380154	19.2	
51 2,4,4-Trimethyl-2-pentene	112	5.859	5.858	0.001	93	125798	0	
52 Dibromomethane	93	6.179	6.170	0.009	80	103767	20.0	
53 1,2-Dichloropropane	63	6.255	6.254	0.001	62	217552	21.8	
54 Dichlorobromomethane	83	6.297	6.296	0.001	87	269921	20.2	
55 Methyl methacrylate	69	6.407	6.406	0.001	94	77363	0	
56 1,4-Dioxane	88	6.466	6.456	0.010	80	10111	0	
57 n-Propyl acetate	43	6.508	6.507	0.001	99	1584944	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.786	6.785	0.001	88	329846	21.6	
$ 60 Toluene-d8 (Surr)	98	6.929	6.928	0.001	84	743662	19.4	
61 Toluene	92	6.971	6.970	0.001	93	551108	20.0	
63 4-Methyl-2-pentanone (MIBK)	43	7.249	7.248	0.001	97	1133450	285.3	
62 Tetrachloroethene	166	7.266	7.265	0.001	57	182010	17.2	
64 trans-1,3-Dichloropropene	75	7.283	7.282	0.001	92	219688	21.5	
65 Isobutyl acetate	43	7.334	7.333	0.001	94	3022608	0	
66 1,1,2-Trichloroethane	83	7.409	7.409	0.0	86	106026	21.2	
67 Chlorodibromomethane	129	7.553	7.543	0.010	88	140797	16.5	
68 1,3-Dichloropropane	76	7.620	7.619	0.001	93	222703	18.6	
69 Ethylene Dibromide	107	7.746	7.737	0.009	98	111327	16.7	
70 n-Butyl acetate	43	7.805	7.796	0.009	99	1757136	0	
71 2-Hexanone	43	7.890	7.889	0.001	95	710038	271.3	
* 72 Chlorobenzene-d5	117	8.126	8.125	0.001	88	522737	20.0	
73 Chlorobenzene	112	8.134	8.133	0.001	86	491488	19.1	
74 Ethylbenzene	91	8.151	8.150	0.001	98	963621	20.0	
75 1,1,1,2-Tetrachloroethane	131	8.185	8.184	0.001	52	172902	18.1	
76 m-Xylene & p-Xylene	91	8.261	8.260	0.001	98	1464678	47.5	
77 o-Xylene	91	8.589	8.588	0.001	99	817216	19.9	
78 Styrene	104	8.631	8.630	0.001	96	580569	19.6	
79 Bromoform	173	8.665	8.664	0.001	78	70936	16.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105	8.834	8.833	0.001	96	975987	19.1	
$ 81 BFB	95	9.061	9.037	0.024	0	285765	0	
$ 82 4-Bromofluorobenzene	95	9.061	9.060	0.001	83	285765	19.8	
83 Bromobenzene	77	9.145	9.144	0.001	59	377316	20.4	
84 N-Propylbenzene	91	9.154	9.153	0.001	96	1181746	24.5	
85 1,1,2,2-Tetrachloroethane	83	9.204	9.203	0.001	77	147022	22.4	
86 2-Chlorotoluene	91	9.280	9.279	0.001	94	773056	23.0	
87 1,3,5-Trimethylbenzene	105	9.297	9.296	0.001	89	758889	22.0	
88 1,2,3-Trichloropropane	110	9.322	9.321	0.001	87	33334	18.0	
89 trans-1,4-Dichloro-2-butene	53	9.348	9.338	0.010	1	34569	26.8	
90 4-Chlorotoluene	91	9.415	9.414	0.001	93	729152	19.4	
91 tert-Butylbenzene	119	9.558	9.557	0.001	91	635391	18.4	
92 1,2,4-Trimethylbenzene	105	9.609	9.608	0.001	96	785634	19.8	
93 sec-Butylbenzene	105	9.693	9.692	0.001	94	1091563	19.1	
94 4-Isopropyltoluene	119	9.803	9.802	0.001	92	807055	18.7	
95 1,3-Dichlorobenzene	146	9.878	9.878	0.0	96	400645	17.9	
* 96 1,4-Dichlorobenzene-d4	115	9.937	9.937	0.0	97	154079	20.0	
97 1,4-Dichlorobenzene	146	9.954	9.953	0.001	88	387134	18.5	
98 n-Butylbenzene	91	10.157	10.156	0.001	95	925077	21.3	
99 1,2-Dichlorobenzene	146	10.325	10.324	0.001	96	356473	19.1	
100 1,2-Dibromo-3-Chloropropane	157	11.134	11.125	0.009	69	19354	18.0	
101 1,3,5-Trichlorobenzene	180	11.159	11.158	0.001	95	262107	0	
102 Hexachlorobutadiene	225	11.926	11.925	0.001	83	125945	16.9	
103 1,2,4-Trichlorobenzene	180	11.977	11.976	0.001	86	197534	17.9	
104 Naphthalene	128	12.457	12.456	0.001	97	311968	19.8	
105 1,2,3-Trichlorobenzene	180	12.760	12.760	0.0	94	156120	18.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 07-Dec-2011 16:51:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55236.D

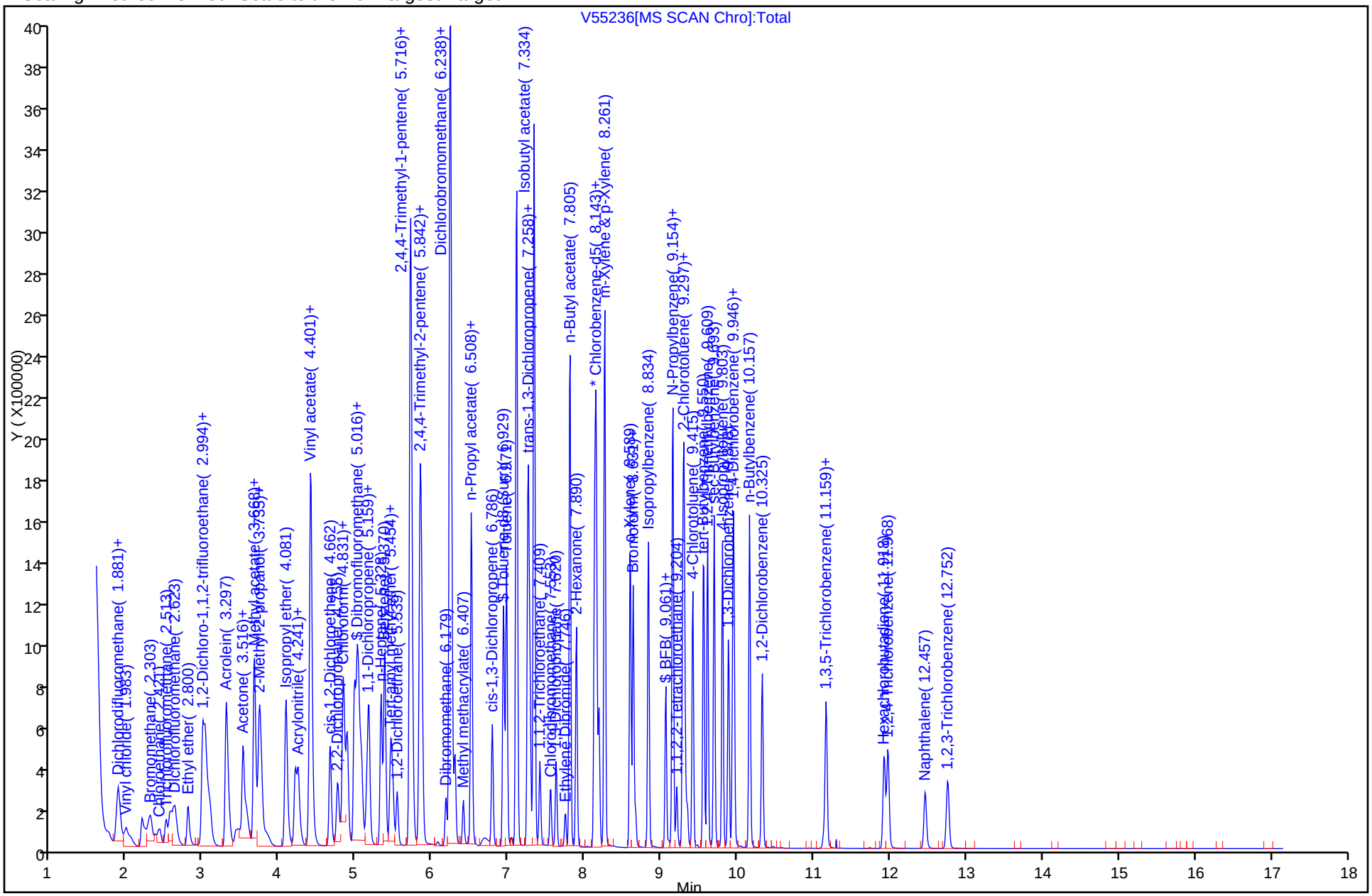
Injection Date: 06-Dec-2011 18:33:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 84468 Lims Sample ID: 4

Operator ID: BW

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 07-Dec-2011 16:51:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111207-7361.b\V55236.D

Injection Date: 06-Dec-2011 18:33:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

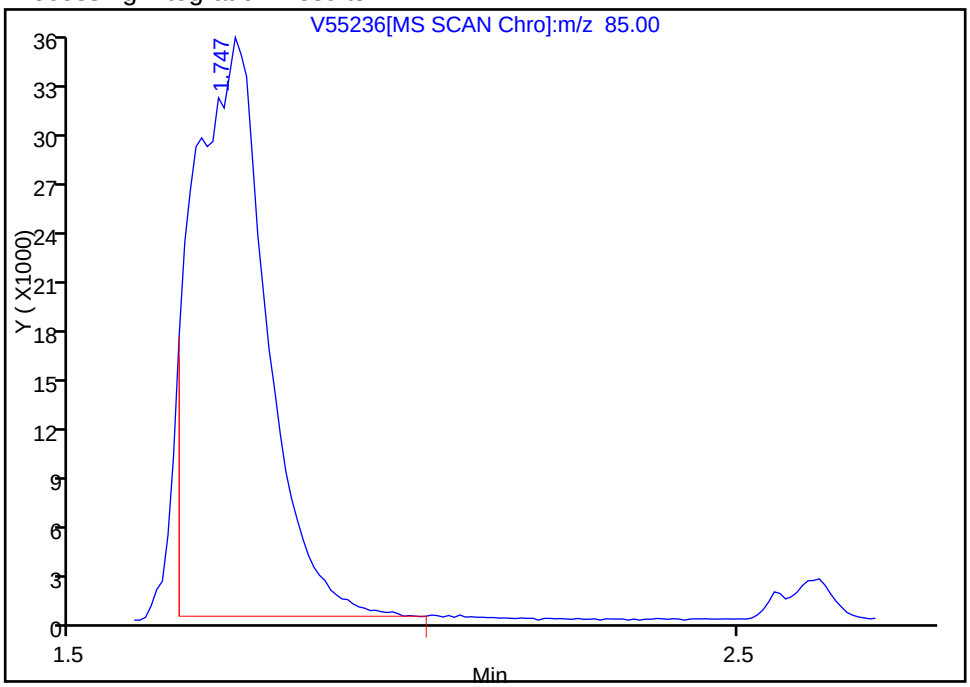
Lims Batch ID: 84468 Lims Sample ID: 4

Operator ID: BW

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

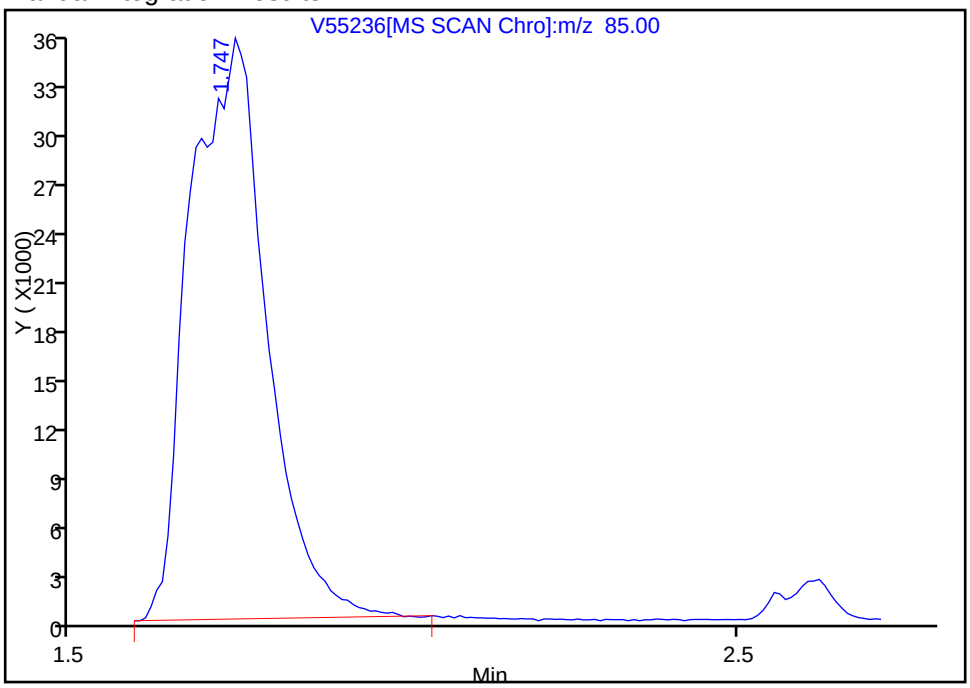
Processing Integration Results

RT: 1.75
Response: 269330
Amount: 15.601607



Manual Integration Results

RT: 1.75
Response: 280931
Amount: 16.273624



Reviewer: weigelb, 07-Dec-2011 16:51:25

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Instrument ID: HP #1 GC/MS Start Date: 11/28/2011 16:39

Analysis Batch Number: 83953 End Date: 11/28/2011 20:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-83953/1		11/28/2011 16:39	1	V55146.D	RTX-VMS 0.25(um)
STD05 360-83953/2 IC		11/28/2011 17:05	1	V55147.D	RTX-VMS 0.25(um)
STD1 360-83953/3 IC		11/28/2011 17:30	1	V55148.D	RTX-VMS 0.25(um)
STD5 360-83953/4 IC		11/28/2011 17:56	1	V55149.D	RTX-VMS 0.25(um)
STD10 360-83953/5 IC		11/28/2011 18:21	1	V55150.D	RTX-VMS 0.25(um)
STD20 360-83953/6 IC		11/28/2011 18:47	1	V55151.D	RTX-VMS 0.25(um)
STD40 360-83953/7 IC		11/28/2011 19:12	1	V55152.D	RTX-VMS 0.25(um)
STD160 360-83953/8 IC		11/28/2011 19:38	1	V55153.D	RTX-VMS 0.25(um)
ICV 360-83953/9		11/28/2011 20:03	1		RTX-VMS 0.25(um)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Instrument ID: HP #1 GC/MS Start Date: 12/01/2011 17:00

Analysis Batch Number: 84385 End Date: 12/02/2011 03:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-84385/1		12/01/2011 17:00	1	V55207.D	RTX-VMS 0.25(um)
CCVIS 360-84385/2		12/01/2011 17:44	1	V55209.D	RTX-VMS 0.25(um)
LCS 360-84384/1-A		12/01/2011 18:09	1	V55210.D	RTX-VMS 0.25(um)
LCSD 360-84384/2-A		12/01/2011 18:34	1	V55211.D	RTX-VMS 0.25(um)
MB 360-84384/3-A		12/01/2011 19:25	1	V55213.D	RTX-VMS 0.25(um)
360-37832-1	BC-SO-SB301-0608	12/01/2011 23:38	1	V55223.D	RTX-VMS 0.25(um)
ZZZZZ		12/02/2011 00:04	1		RTX-VMS 0.25(um)
ZZZZZ		12/02/2011 00:30	1		RTX-VMS 0.25(um)
ZZZZZ		12/02/2011 00:55	1		RTX-VMS 0.25(um)
ZZZZZ		12/02/2011 01:20	1		RTX-VMS 0.25(um)
ZZZZZ		12/02/2011 01:46	1		RTX-VMS 0.25(um)
ZZZZZ		12/02/2011 02:11	1		RTX-VMS 0.25(um)
ZZZZZ		12/02/2011 02:37	1		RTX-VMS 0.25(um)
ZZZZZ		12/02/2011 03:01	1		RTX-VMS 0.25(um)
ZZZZZ		12/02/2011 03:27	1		RTX-VMS 0.25(um)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Instrument ID: HP #1 GC/MS Start Date: 12/06/2011 17:16

Analysis Batch Number: 84468 End Date: 12/07/2011 02:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-84468/1		12/06/2011 17:16	1	V55233.D	RTX-VMS 0.25(um)
CCVIS 360-84468/2		12/06/2011 17:42	1	V55234.D	RTX-VMS 0.25(um)
LCS 360-84452/1-A		12/06/2011 18:08	1	V55235.D	RTX-VMS 0.25(um)
LCSD 360-84452/2-A		12/06/2011 18:33	1	V55236.D	RTX-VMS 0.25(um)
MB 360-84452/3-A		12/06/2011 19:25	1	V55238.D	RTX-VMS 0.25(um)
360-37832-2	BC-SO-SB302-0810	12/06/2011 22:22	1	V55245.D	RTX-VMS 0.25(um)
360-37832-3	BC-SO-SB133-0002	12/06/2011 22:48	1	V55246.D	RTX-VMS 0.25(um)
360-37832-4	BC-SO-SBDUP01	12/06/2011 23:13	1	V55247.D	RTX-VMS 0.25(um)
360-37832-5	BC-SO-SB131-1012	12/06/2011 23:38	1	V55248.D	RTX-VMS 0.25(um)
360-37832-6	BC-SO-SB128-0002	12/07/2011 00:04	1	V55249.D	RTX-VMS 0.25(um)
360-37832-7	BC-SO-SB303-0204	12/07/2011 00:29	1	V55250.D	RTX-VMS 0.25(um)
360-37832-8	BC-SO-SB132-1012	12/07/2011 00:54	1	V55251.D	RTX-VMS 0.25(um)
360-37832-9	BC-SO-SB129-0204	12/07/2011 01:20	1	V55252.D	RTX-VMS 0.25(um)
360-37832-10	BC-SO-SB130-0810	12/07/2011 01:46	1	V55253.D	RTX-VMS 0.25(um)
360-37832-11	BC-TB-112811	12/07/2011 02:11	1	V55254.D	RTX-VMS 0.25(um)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Batch Number: 84384 Batch Start Date: 12/01/11 12:11 Batch Analyst: Weigel, Brian

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
LCS 360-84384/1		5035, 8260B		10 g	10 g				
LCSD 360-84384/2		5035, 8260B		10 g	10 g				
MB 360-84384/3		5035, 8260B		10 g	10 g				
360-37832-C-1	BC-SO-SB301-0608	5035, 8260B	T	10.20 g	10 g				

Batch Notes	

Basis	Basis Description
T	Total/NA

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Batch Number: 84452 Batch Start Date: 12/06/11 15:32 Batch Analyst: Weigel, Brian

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment			
LCS 360-84452/1		5035, 8260B		5 g	5 g				
LCSD 360-84452/2		5035, 8260B		5 g	5 g				
MB 360-84452/3		5035, 8260B		5 g	5 g				
360-37832-D-2	BC-SO-SB302-0810	5035, 8260B	T	5.7 g	5 g				
360-37832-D-3	BC-SO-SB133-0002	5035, 8260B	T	5.13 g	5 g				
360-37832-D-4	BC-SO-SBDUP01	5035, 8260B	T	5.32 g	5 g				
360-37832-D-5	BC-SO-SB131-1012	5035, 8260B	T	6.81 g	5 g	ratio high			
360-37832-D-6	BC-SO-SB128-0002	5035, 8260B	T	3.79 g	5 g				
360-37832-D-7	BC-SO-SB303-0204	5035, 8260B	T	5.42 g	5 g				
360-37832-D-8	BC-SO-SB132-1012	5035, 8260B	T	5.24 g	5 g				
360-37832-D-9	BC-SO-SB129-0204	5035, 8260B	T	4.91 g	5 g				
360-37832-D-10	BC-SO-SB130-0810	5035, 8260B	T	9.02 g	5 g	ratio high			
360-37832-B-11	BC-TB-112811	5035, 8260B	T	5 g	5 g				

Batch Notes	

Basis	Basis Description
T	Total/NA

Method MAEPH

Massachusetts - Extractable Petroleum Hydrocarbons (GC) by Method MAEPH

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Matrix: Solid Level: Low

GC Column (1): RTX-5 ID: 0.25 (mm) GC Column (2): RTX-5 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	FBP1 #	2BN1 #	OTPH1 #	1COD2 #
BC-SO-SB301-0608	360-37832-1	67	67	60	51
BC-SO-SB302-0810	360-37832-2	70	71	65	60
BC-SO-SB133-0002	360-37832-3	67	67	66	67
BC-SO-SBDUP01	360-37832-4	68	68	66	73
BC-SO-SB131-1012	360-37832-5	64	64	67	69
BC-SO-SB128-0002	360-37832-6	65	66	72	76
BC-SO-SB303-0204	360-37832-7	62	63	70	58
BC-SO-SB132-1012	360-37832-8	66	67	72	71
BC-SO-SB129-0204	360-37832-9	67	68	68	69
BC-SO-SB130-0810	360-37832-10	70	71	71	67
	MB 360-84105/1-A	71	70	60	68
	LCS 360-84105/2-A	76	77	74	68
	LCSD 360-84105/3-A	75	76	73	65

	QC LIMITS
FBP = 2-Fluorobiphenyl	40-140
2BN = 2-Bromonaphthalene	40-140
OTPH = o-Terphenyl	40-140
1COD = 1-Chlorooctadecane	40-140

Column to be used to flag recovery values

FORM II MA-EPH

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Matrix: Solid Level: Low Lab File ID: R401913.D

Lab ID: LCS 360-84105/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	3.33	2.39	72	40-140	
Acenaphthylene	3.33	2.34	70	40-140	
Anthracene	3.33	2.87	86	40-140	
Benzo[a]anthracene	3.33	3.22	97	40-140	
Benzo[a]pyrene	3.33	3.17	95	40-140	
Benzo[b]fluoranthene	3.33	3.34	100	40-140	
Benzo[g,h,i]perylene	3.33	3.15	94	40-140	
Benzo[k]fluoranthene	3.33	3.38	101	40-140	
Chrysene	3.33	3.15	94	40-140	
Dibenz(a,h)anthracene	3.33	3.09	93	40-140	
Fluoranthene	3.33	2.91	87	40-140	
Fluorene	3.33	2.58	77	40-140	
Indeno[1,2,3-cd]pyrene	3.33	3.25	97	40-140	
2-Methylnaphthalene	3.33	2.37	71	40-140	
Naphthalene	3.33	2.14	64	40-140	
Phenanthrene	3.33	2.71	81	40-140	
Pyrene	3.33	2.81	84	40-140	
C11-C22 Aromatics (unadjusted)	56.7	50.4	89	40-140	
C19-C36 Aliphatics	26.7	23.6	88	40-140	
C9-C18 Aliphatics	20.0	12.5	62	40-140	
C19	3.33	2.71	81	40-140	
Dodecane	3.33	2.15	64	40-140	
Hexadecane	3.33	2.54	76	40-140	
icosane	3.33	2.72	82	40-140	
n-Decane	3.33	1.75	52	40-140	
n-Docosane	3.33	2.67	80	40-140	
n-Hexacosane	3.33	2.85	85	40-140	
n-Hexatriacontane	3.33	2.96	89	40-140	
n-Nonane	3.33	1.42	43	30-140	
n-Octacosane	3.33	2.78	83	40-140	
n-Octadecane	3.33	2.67	80	40-140	
n-Tetracosane	3.33	2.65	80	40-140	
n-Tetradecane	3.33	2.44	73	40-140	
Triacontane	3.33	2.74	82	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Matrix: Solid Level: Low Lab File ID: R401915.D

Lab ID: LCSD 360-84105/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	3.33	2.35	71	2	25	40-140	
Acenaphthylene	3.33	2.30	69	2	25	40-140	
Anthracene	3.33	2.82	85	2	25	40-140	
Benzo[a]anthracene	3.33	3.17	95	1	25	40-140	
Benzo[a]pyrene	3.33	3.13	94	1	25	40-140	
Benzo[b]fluoranthene	3.33	3.27	98	2	25	40-140	
Benzo[g,h,i]perylene	3.33	3.11	93	1	25	40-140	
Benzo[k]fluoranthene	3.33	3.37	101	0	25	40-140	
Chrysene	3.33	3.09	93	2	25	40-140	
Dibenz(a,h)anthracene	3.33	3.05	92	1	25	40-140	
Fluoranthene	3.33	2.86	86	2	25	40-140	
Fluorene	3.33	2.53	76	2	25	40-140	
Indeno[1,2,3-cd]pyrene	3.33	3.22	97	1	25	40-140	
2-Methylnaphthalene	3.33	2.33	70	1	25	40-140	
Naphthalene	3.33	2.10	63	2	25	40-140	
Phenanthrene	3.33	2.67	80	1	25	40-140	
Pyrene	3.33	2.76	83	2	25	40-140	
C11-C22 Aromatics (unadjusted)	56.7	49.7	88	1	25	40-140	
C19-C36 Aliphatics	26.7	22.9	86	3	25	40-140	
C9-C18 Aliphatics	20.0	11.8	59	6	25	40-140	
C19	3.33	2.61	78	4	25	40-140	
Dodecane	3.33	2.04	61	5	25	40-140	
Hexadecane	3.33	2.43	73	5	25	40-140	
icosane	3.33	2.65	79	3	25	40-140	
n-Decane	3.33	1.64	49	6	25	40-140	
n-Docosane	3.33	2.59	78	3	25	40-140	
n-Hexacosane	3.33	2.78	83	2	25	40-140	
n-Hexatriacontane	3.33	2.85	85	4	25	40-140	
n-Nonane	3.33	1.33	40	7	25	30-140	
n-Octacosane	3.33	2.71	81	2	25	40-140	
n-Octadecane	3.33	2.58	77	4	25	40-140	
n-Tetracosane	3.33	2.59	78	2	25	40-140	
n-Tetradecane	3.33	2.33	70	4	25	40-140	
Triacontane	3.33	2.67	80	2	25	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: MB 360-84105/1-A

Matrix: Solid Date Extracted: 11/30/2011 14:55

Lab File ID:(1) R401925.D Lab File ID:(2) R401925.D

Date Analyzed:(1) 12/09/2011 10:26 Date Analyzed:(2) 12/09/2011 10:26

Instrument ID:(1) INST R Instrument ID:(2) INST R

GC Column:(1) RTX-5 ID: 0.25(mm) GC Column:(2) RTX-5 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 360-84105/2-A	12/09/2011 05:52	12/09/2011 05:52
	LCSD 360-84105/3-A	12/09/2011 06:27	12/09/2011 06:27
BC-SO-SB301-0608	360-37832-1	12/09/2011 13:24	12/09/2011 13:24
BC-SO-SB302-0810	360-37832-2	12/09/2011 13:58	12/09/2011 13:58
BC-SO-SB133-0002	360-37832-3	12/09/2011 14:32	12/09/2011 14:32
BC-SO-SBDUP01	360-37832-4	12/09/2011 15:06	12/09/2011 15:06
BC-SO-SB131-1012	360-37832-5	12/09/2011 15:40	12/09/2011 15:40
BC-SO-SB128-0002	360-37832-6	12/09/2011 16:14	12/09/2011 16:14
BC-SO-SB303-0204	360-37832-7	12/09/2011 16:48	12/09/2011 16:48
BC-SO-SB132-1012	360-37832-8	12/09/2011 17:22	12/09/2011 17:22
BC-SO-SB129-0204	360-37832-9	12/09/2011 17:56	12/09/2011 17:56
BC-SO-SB130-0810	360-37832-10	12/09/2011 18:30	12/09/2011 18:30

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Sample No.: CCVRT 360-84518/1 Date Analyzed: 12/08/2011 13:08

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R401855.D Heated Purge: (Y/N) N

Calibration ID: 16338

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				FBP	2BN	OTPH
				RT #	RT #	RT #
CONTINUING CALIBRATION SURROGATE				5.94	6.81	10.41
UPPER LIMIT				6.04	6.91	10.51
LOWER LIMIT				5.84	6.71	10.31
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-84518/1		12/08/2011 13:08	R401855.D	5.94	6.81	10.41
CCV 360-84518/22		12/09/2011 01:19	R401897.D	5.94	6.80	10.41
LCS 360-84105/2-A		12/09/2011 05:52	R401913.D	5.94	6.80	10.42
LCSD 360-84105/3-A		12/09/2011 06:27	R401915.D	5.94	6.80	10.42
MB 360-84105/1-A		12/09/2011 10:26	R401925.D	5.94	6.80	10.41
CCV 360-84518/36		12/09/2011 11:34	R401929.D	5.94	6.80	10.41

FBP = 2-Fluorobiphenyl
2BN = 2-Bromonaphthalene
OTPH = o-Terphenyl

FBP RT Limit = ± 0.1 minutes of surrogate RT
2BN RT Limit = ± 0.1 minutes of surrogate RT
OTPH RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII MA-EPH

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Sample No.: CCVRT 360-84518/1 Date Analyzed: 12/08/2011 13:08

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R401855.D Heated Purge: (Y/N) N

Calibration ID: 16339

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1COD RT #		
CONTINUING CALIBRATION SURROGATE				13.99		
UPPER LIMIT				14.09		
LOWER LIMIT				13.89		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-84518/1		12/08/2011 13:08	R401855.D	13.99		
CCV 360-84518/22		12/09/2011 01:19	R401897.D	13.99		
LCS 360-84105/2-A		12/09/2011 05:52	R401913.D	13.99		
LCSD 360-84105/3-A		12/09/2011 06:27	R401915.D	13.99		
MB 360-84105/1-A		12/09/2011 10:26	R401925.D	13.99		
CCV 360-84518/36		12/09/2011 11:34	R401929.D	13.98		

1COD = 1-Chlorooctadecane

1COD RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII MA-EPH

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Sample No.: CCVRT 360-84564/1 Date Analyzed: 12/09/2011 12:08

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R401931.D Heated Purge: (Y/N) N

Calibration ID: 16338

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				FBP	2BN	OTPH
				RT #	RT #	RT #
CONTINUING CALIBRATION SURROGATE				5.94	6.80	10.41
UPPER LIMIT				6.04	6.90	10.51
LOWER LIMIT				5.84	6.70	10.31
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-84564/1		12/09/2011 12:08	R401931.D	5.94	6.80	10.41
360-37832-1	BC-SO-SB301-0608	12/09/2011 13:24	R401933.D	5.94	6.80	10.42
360-37832-2	BC-SO-SB302-0810	12/09/2011 13:58	R401935.D	5.94	6.80	10.41
360-37832-3	BC-SO-SB133-0002	12/09/2011 14:32	R401937.D	5.94	6.80	10.41
360-37832-4	BC-SO-SBDUP01	12/09/2011 15:06	R401939.D	5.94	6.80	10.41
360-37832-5	BC-SO-SB131-1012	12/09/2011 15:40	R401941.D	5.94	6.80	10.42
360-37832-6	BC-SO-SB128-0002	12/09/2011 16:14	R401943.D	5.94	6.80	10.42
360-37832-7	BC-SO-SB303-0204	12/09/2011 16:48	R401945.D	5.94	6.80	10.42
360-37832-8	BC-SO-SB132-1012	12/09/2011 17:22	R401947.D	5.94	6.80	10.42
360-37832-9	BC-SO-SB129-0204	12/09/2011 17:56	R401949.D	5.94	6.80	10.41
360-37832-10	BC-SO-SB130-0810	12/09/2011 18:30	R401951.D	5.94	6.80	10.41
CCV 360-84564/22		12/10/2011 00:45	R401973.D	5.94	6.80	10.41

FBP = 2-Fluorobiphenyl
2BN = 2-Bromonaphthalene
OTPH = o-Terphenyl

FBP RT Limit = ± 0.1 minutes of surrogate RT
2BN RT Limit = ± 0.1 minutes of surrogate RT
OTPH RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII MA-EPH

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Sample No.: CCVRT 360-84564/1 Date Analyzed: 12/09/2011 12:08

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R401931.D Heated Purge: (Y/N) N

Calibration ID: 16339

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1COD RT #		
CONTINUING CALIBRATION SURROGATE				13.98		
UPPER LIMIT				14.08		
LOWER LIMIT				13.88		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-84564/1		12/09/2011 12:08	R401931.D	13.98		
360-37832-1	BC-SO-SB301-0608	12/09/2011 13:24	R401933.D	13.98		
360-37832-2	BC-SO-SB302-0810	12/09/2011 13:58	R401935.D	13.99		
360-37832-3	BC-SO-SB133-0002	12/09/2011 14:32	R401937.D	13.99		
360-37832-4	BC-SO-SBDUP01	12/09/2011 15:06	R401939.D	13.99		
360-37832-5	BC-SO-SB131-1012	12/09/2011 15:40	R401941.D	13.99		
360-37832-6	BC-SO-SB128-0002	12/09/2011 16:14	R401943.D	13.99		
360-37832-7	BC-SO-SB303-0204	12/09/2011 16:48	R401945.D	13.99		
360-37832-8	BC-SO-SB132-1012	12/09/2011 17:22	R401947.D	13.99		
360-37832-9	BC-SO-SB129-0204	12/09/2011 17:56	R401949.D	13.99		
360-37832-10	BC-SO-SB130-0810	12/09/2011 18:30	R401951.D	13.99		
CCV 360-84564/22		12/10/2011 00:45	R401973.D	13.98		

1COD = 1-Chlorooctadecane

1COD RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII MA-EPH

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB301-0608 | Lab Sample ID: 360-37832-1

Matrix: Solid | Lab File ID: R401933.D

Analysis Method: MA-EPH | Date Collected: 11/28/2011 15:03

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.22(g) | Date Analyzed: 12/09/2011 13:24

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 22.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.42	0.42
208-96-8	Acenaphthylene	ND		0.42	0.42
120-12-7	Anthracene	ND		0.42	0.42
56-55-3	Benzo[a]anthracene	ND		0.42	0.42
50-32-8	Benzo[a]pyrene	ND		0.42	0.42
205-99-2	Benzo[b]fluoranthene	ND		0.42	0.42
191-24-2	Benzo[g,h,i]perylene	ND		0.42	0.42
207-08-9	Benzo[k]fluoranthene	ND		0.42	0.42
218-01-9	Chrysene	ND		0.42	0.42
53-70-3	Dibenz(a,h)anthracene	ND		0.42	0.42
206-44-0	Fluoranthene	ND		0.42	0.42
86-73-7	Fluorene	ND		0.42	0.42
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.42	0.42
91-57-6	2-Methylnaphthalene	ND		0.42	0.42
91-20-3	Naphthalene	ND		0.42	0.42
85-01-8	Phenanthrene	ND		0.42	0.42
129-00-0	Pyrene	ND		0.42	0.42
STL00058	C11-C22 Aromatics (unadjusted)	5.8		4.2	4.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	67		40-140
321-60-8	2-Fluorobiphenyl	67		40-140
84-15-1	o-Terphenyl	60		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401933.D		
Lims ID:	360-37832-A-1-D	Client ID:	BC-SO-SB301-0608
Inject. Date:	09-Dec-2011 13:24:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-1-D		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	84564	Lims Sample ID:	2
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:36:40

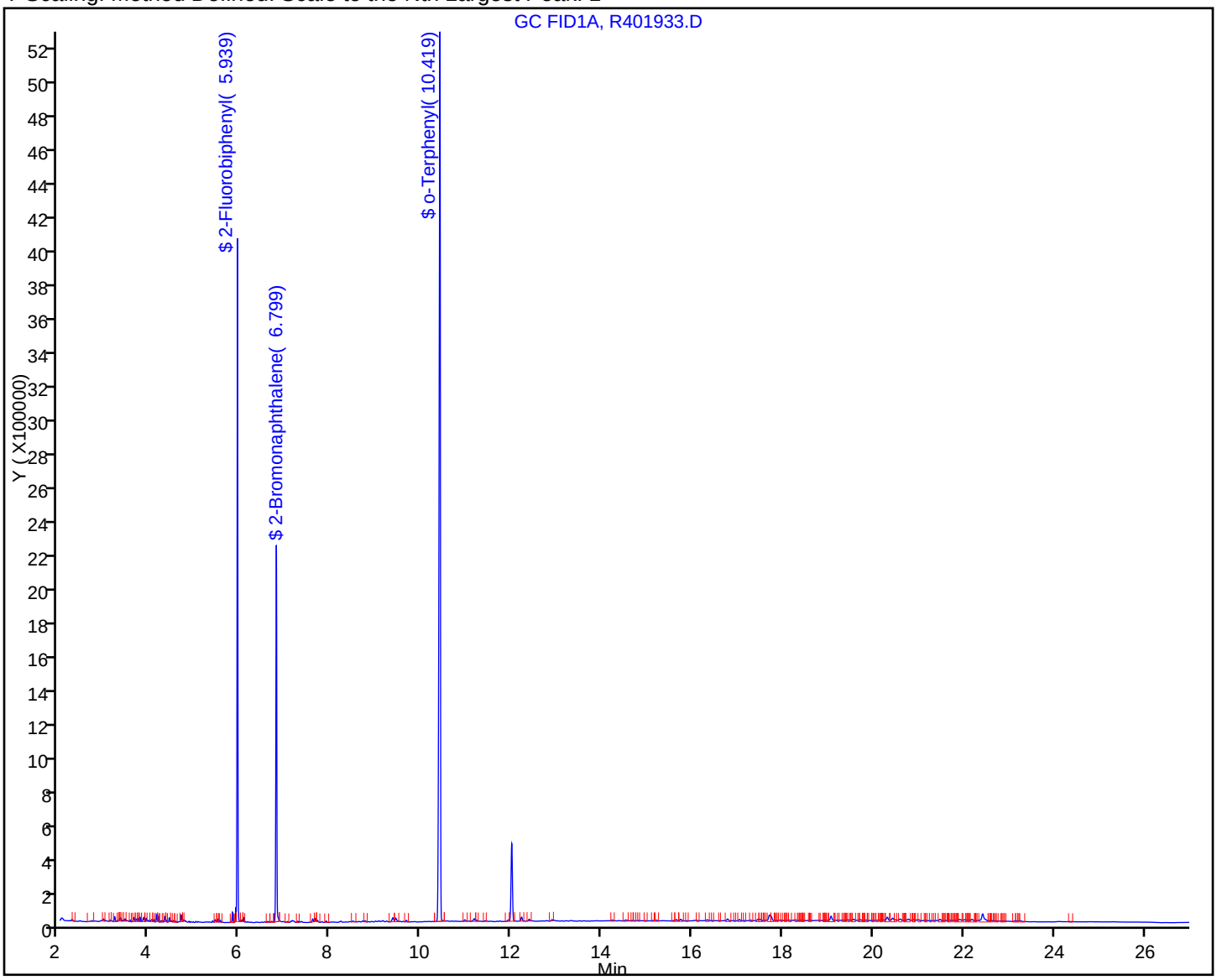
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.941	-0.002	4774723	33.6	
$ 2 2-Bromonaphthalene						
1	6.799	6.801	-0.002	3174520	33.7	
$ 3 o-Terphenyl						
1	10.419	10.407	0.012	10656106	59.6	
$ 4 1-Chlorooctadecane						
2	13.982	13.984	-0.002	7822121	51.0	
A 39 C9-C18 Aliphatics						
2	7.272	3.217 - 11.328		68398446	329.7	
A 40 C11-C22 Aromatics						
1	12.799	4.596 - 21.001		10622855	68.1	
A 41 C19-C36 Aliphatics						
2	18.546	11.328 - 25.764		23007339	106.7	
S 43 Total EPH						
2					504.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					68.1	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:36:40 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401933.D
Injection Date: 09-Dec-2011 13:24:54 Limit Group: GC MA EPH
Client ID: BC-SO-SB301-0608 Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 2
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

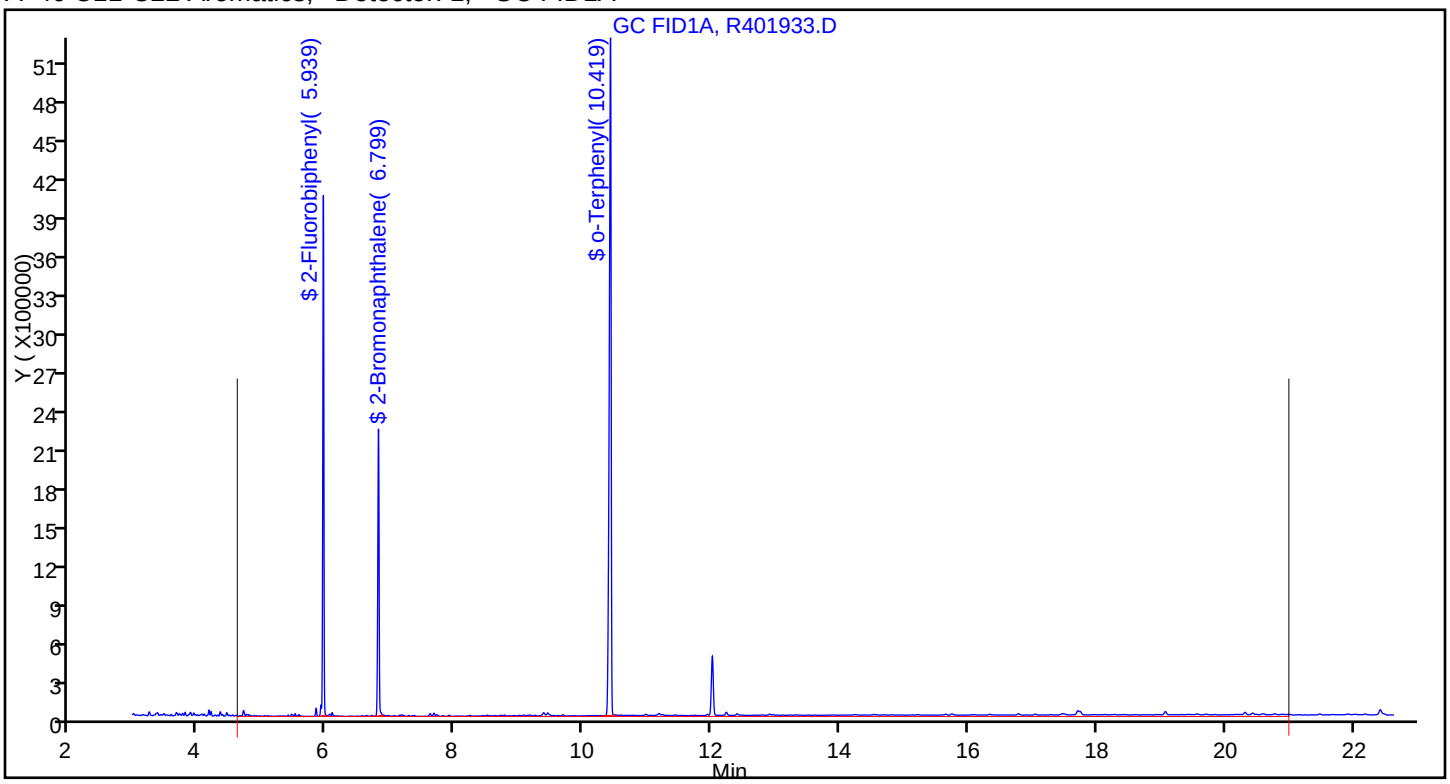


Report Date: 12-Dec-2011 10:36:40 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401933.D

Injection Date:	09-Dec-2011 13:24:54	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB301-0608	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	2
Operator ID:	VM	Injection Vol:	1.00 ul

A 40 C11-C22 Aromatics, Detector: 1, GC FID1A



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB301-0608 Lab Sample ID: 360-37832-1

Matrix: Solid Lab File ID: R401933.D

Analysis Method: MA-EPH Date Collected: 11/28/2011 15:03

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.22(g) Date Analyzed: 12/09/2011 13:24

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 22.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	5.8		4.2	4.2
STL00087	C19-C36 Aliphatics	9.1		4.2	4.2
STL00306	C9-C18 Aliphatics	28		4.2	4.2
STL00362	Total EPH	43		4.2	4.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	51		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401933.D		
Lims ID:	360-37832-A-1-D	Client ID:	BC-SO-SB301-0608
Inject. Date:	09-Dec-2011 13:24:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-1-D		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	84564	Lims Sample ID:	2
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:36:40

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.941	-0.002	4774723	33.6	
$ 2 2-Bromonaphthalene						
1	6.799	6.801	-0.002	3174520	33.7	
$ 3 o-Terphenyl						
1	10.419	10.407	0.012	10656106	59.6	
$ 4 1-Chlorooctadecane						
2	13.982	13.984	-0.002	7822121	51.0	
A 39 C9-C18 Aliphatics						
2	7.272	3.217 - 11.328		68398446	329.7	
A 40 C11-C22 Aromatics						
1	12.799	4.596 - 21.001		10622855	68.1	
A 41 C19-C36 Aliphatics						
2	18.546	11.328 - 25.764		23007339	106.7	
S 43 Total EPH						
2					504.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					68.1	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

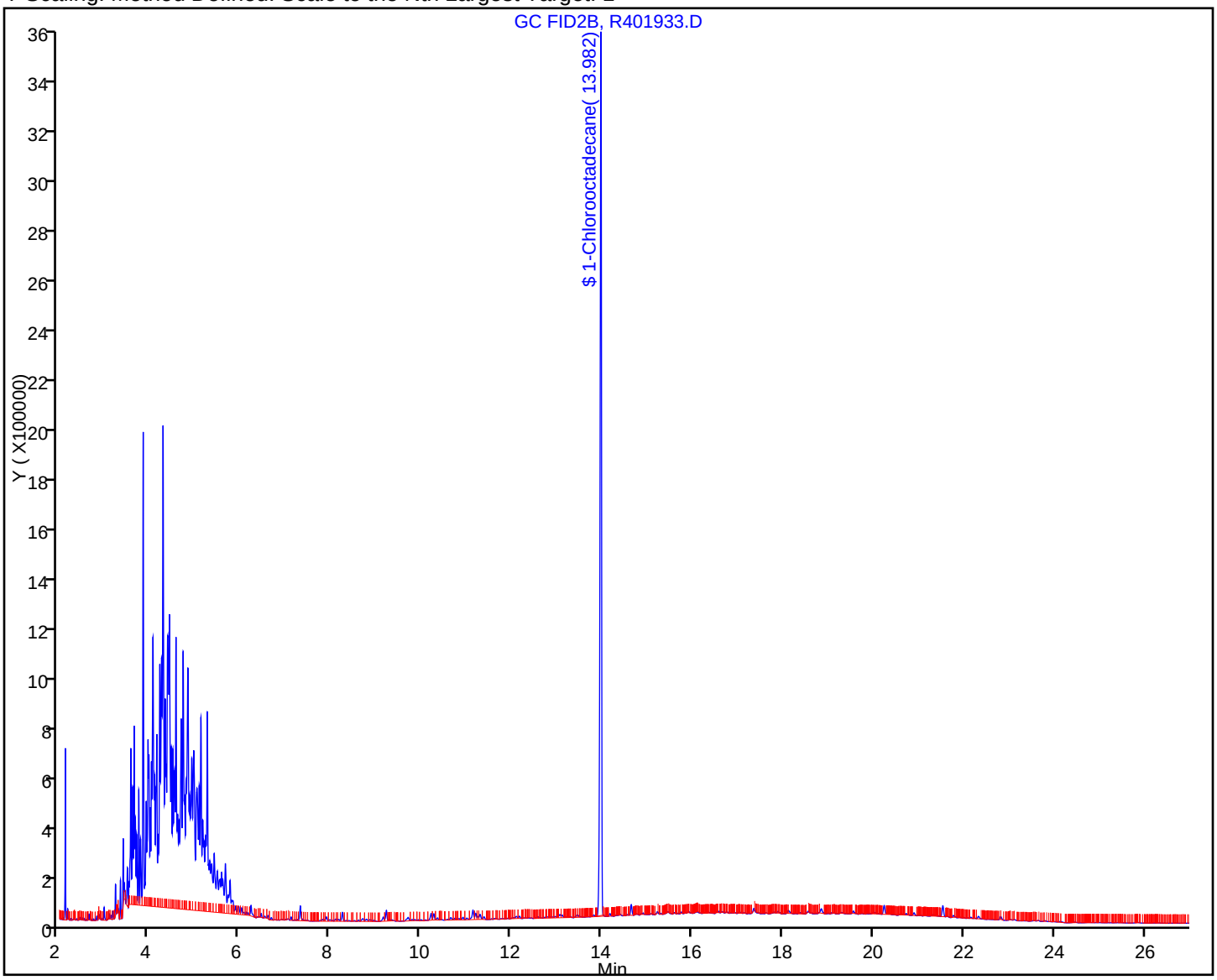
Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:36:40 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401933.D

Injection Date:	09-Dec-2011 13:24:54	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB301-0608	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	2
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

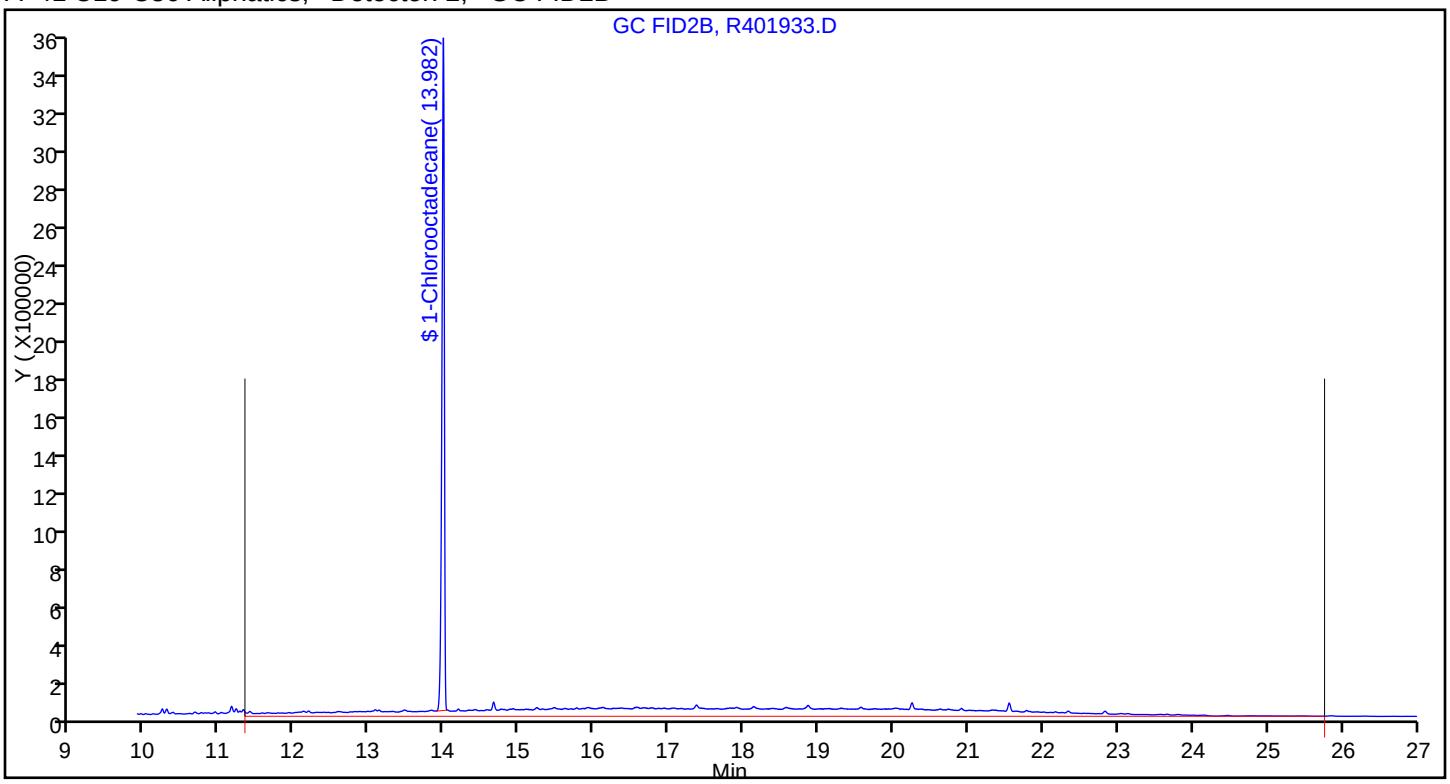


Report Date: 12-Dec-2011 10:36:40 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401933.D

Injection Date:	09-Dec-2011 13:24:54	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB301-0608	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	2
Operator ID:	VM	Injection Vol:	1.00 ul

A 41 C19-C36 Aliphatics, Detector: 2, GC FID2B

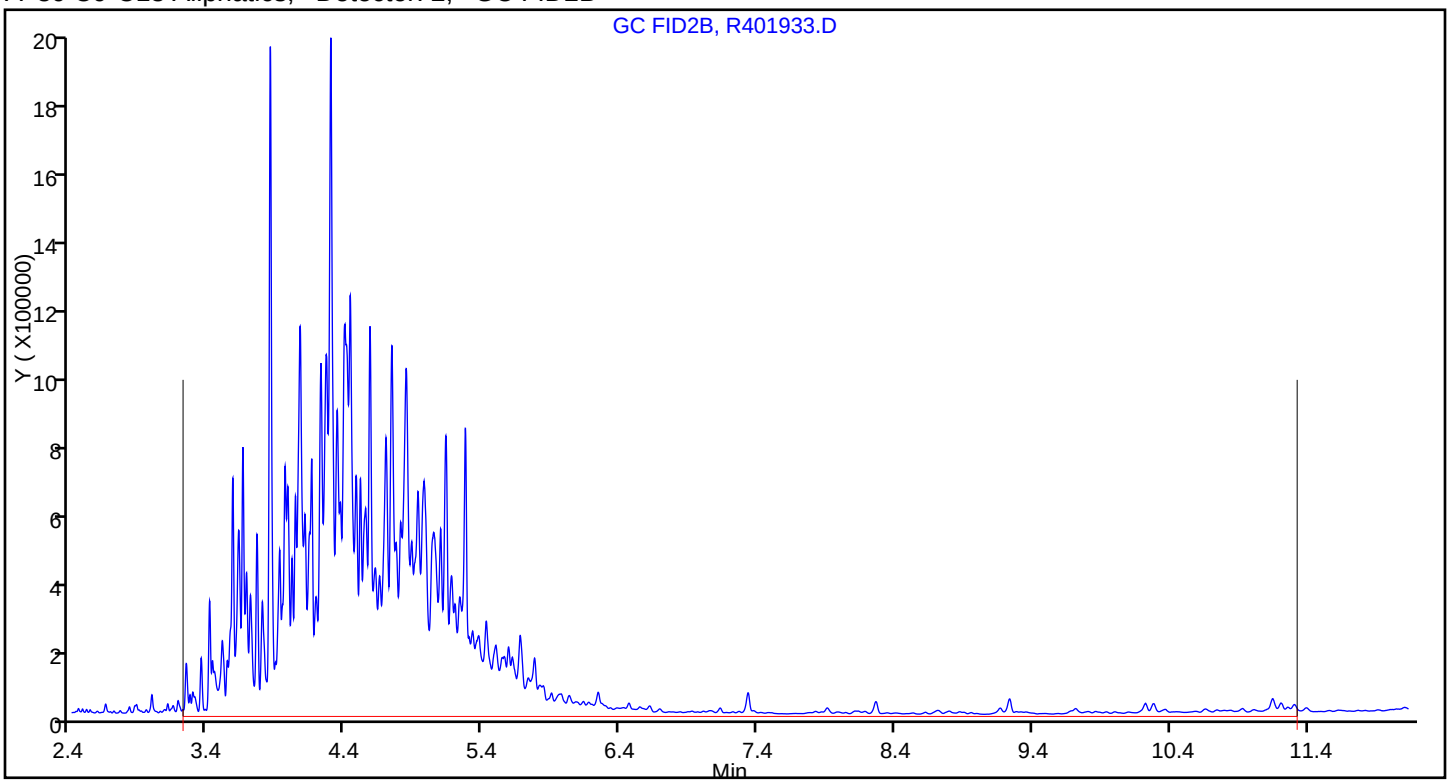


Report Date: 12-Dec-2011 10:36:40 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401933.D

Injection Date:	09-Dec-2011 13:24:54	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB301-0608	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	2
Operator ID:	VM	Injection Vol:	1.00 ul

A 39 C9-C18 Aliphatics, Detector: 2, GC FID2B



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB302-0810 | Lab Sample ID: 360-37832-2

Matrix: Solid | Lab File ID: R401935.D

Analysis Method: MA-EPH | Date Collected: 11/28/2011 15:40

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.42(g) | Date Analyzed: 12/09/2011 13:58

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 10.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.36	0.36
208-96-8	Acenaphthylene	ND		0.36	0.36
120-12-7	Anthracene	ND		0.36	0.36
56-55-3	Benzo[a]anthracene	ND		0.36	0.36
50-32-8	Benzo[a]pyrene	ND		0.36	0.36
205-99-2	Benzo[b]fluoranthene	ND		0.36	0.36
191-24-2	Benzo[g,h,i]perylene	ND		0.36	0.36
207-08-9	Benzo[k]fluoranthene	ND		0.36	0.36
218-01-9	Chrysene	ND		0.36	0.36
53-70-3	Dibenz(a,h)anthracene	ND		0.36	0.36
206-44-0	Fluoranthene	ND		0.36	0.36
86-73-7	Fluorene	ND		0.36	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.36	0.36
91-57-6	2-Methylnaphthalene	ND		0.36	0.36
91-20-3	Naphthalene	ND		0.36	0.36
85-01-8	Phenanthrene	ND		0.36	0.36
129-00-0	Pyrene	ND		0.36	0.36
STL00058	C11-C22 Aromatics (unadjusted)	21		3.6	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	71		40-140
321-60-8	2-Fluorobiphenyl	70		40-140
84-15-1	o-Terphenyl	65		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401935.D		
Lims ID:	360-37832-A-2-B	Client ID:	BC-SO-SB302-0810
Inject. Date:	09-Dec-2011 13:58:38	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-2-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	84564	Lims Sample ID:	3
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:36:45

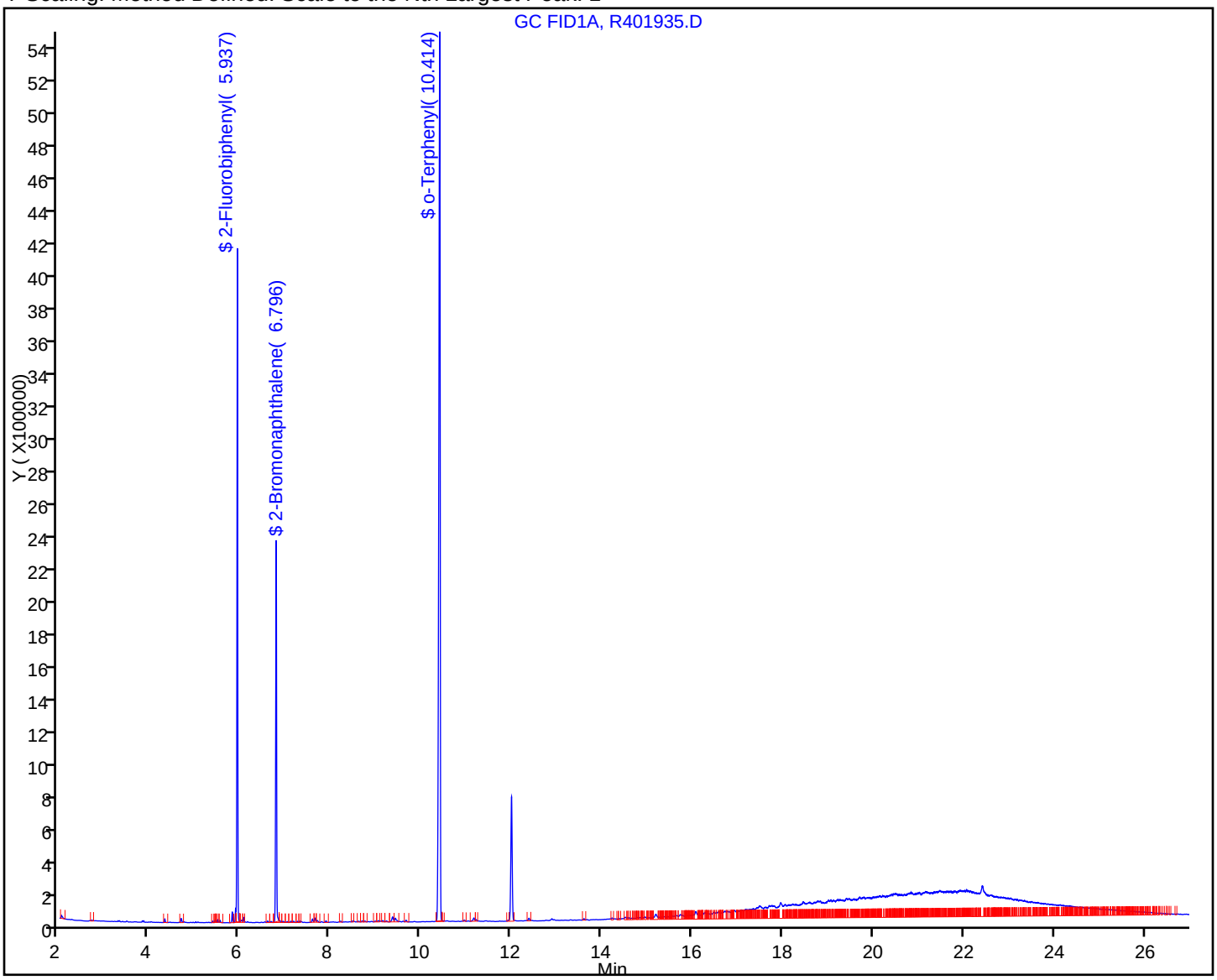
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.941	-0.004	4987983	35.1	
$ 2 2-Bromonaphthalene						
1	6.796	6.801	-0.005	3319004	35.3	
$ 3 o-Terphenyl						
1	10.414	10.407	0.007	11566286	64.7	
$ 4 1-Chlorooctadecane						
2	13.987	13.984	0.003	9133947	59.6	
A 40 C11-C22 Aromatics						
1	12.799	4.596 -	21.001	44915931	288.1	
A 41 C19-C36 Aliphatics						
2	18.546	11.328	-25.764	102999612	581.6	
S 43 Total EPH						
2					869.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					288.1	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:36:45 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401935.D
Injection Date: 09-Dec-2011 13:58:38 Limit Group: GC MA EPH
Client ID: BC-SO-SB302-0810 Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 3
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

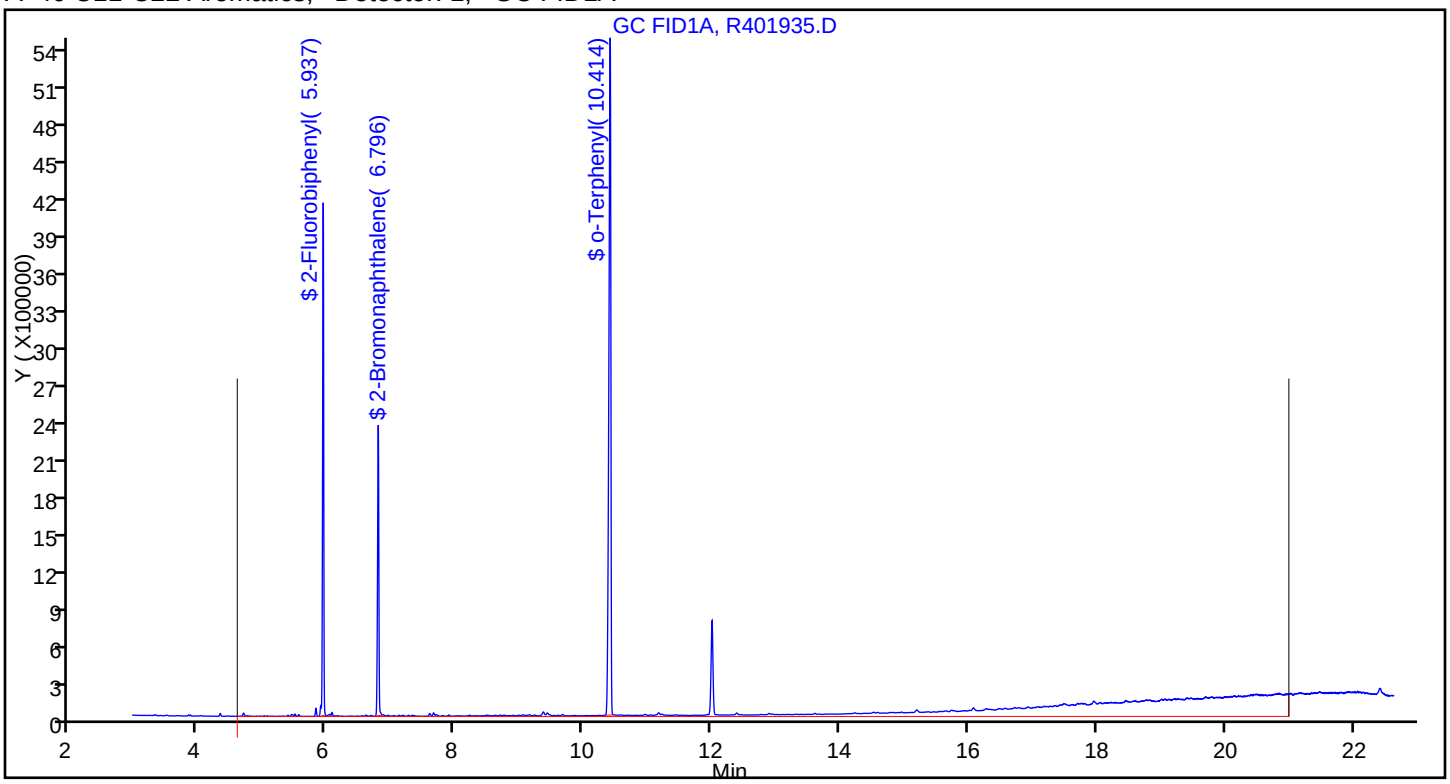


Report Date: 12-Dec-2011 10:36:45 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401935.D

Injection Date:	09-Dec-2011 13:58:38	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB302-0810	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	3
Operator ID:	VM	Injection Vol:	1.00 ul

A 40 C11-C22 Aromatics, Detector: 1, GC FID1A



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB302-0810 Lab Sample ID: 360-37832-2

Matrix: Solid Lab File ID: R401935.D

Analysis Method: MA-EPH Date Collected: 11/28/2011 15:40

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.42(g) Date Analyzed: 12/09/2011 13:58

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 10.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	21		3.6	3.6
STL00087	C19-C36 Aliphatics	43		3.6	3.6
STL00306	C9-C18 Aliphatics	ND		3.6	3.6
STL00362	Total EPH	64		3.6	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	60		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401935.D		
Lims ID:	360-37832-A-2-B	Client ID:	BC-SO-SB302-0810
Inject. Date:	09-Dec-2011 13:58:38	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-2-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	84564	Lims Sample ID:	3
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:36:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.941	-0.004	4987983	35.1	
$ 2 2-Bromonaphthalene						
1	6.796	6.801	-0.005	3319004	35.3	
$ 3 o-Terphenyl						
1	10.414	10.407	0.007	11566286	64.7	
$ 4 1-Chlorooctadecane						
2	13.987	13.984	0.003	9133947	59.6	
A 40 C11-C22 Aromatics						
1	12.799	4.596 -	21.001	44915931	288.1	
A 41 C19-C36 Aliphatics						
2	18.546	11.328	-25.764	102999612	581.6	
S 43 Total EPH						
2					869.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					288.1	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

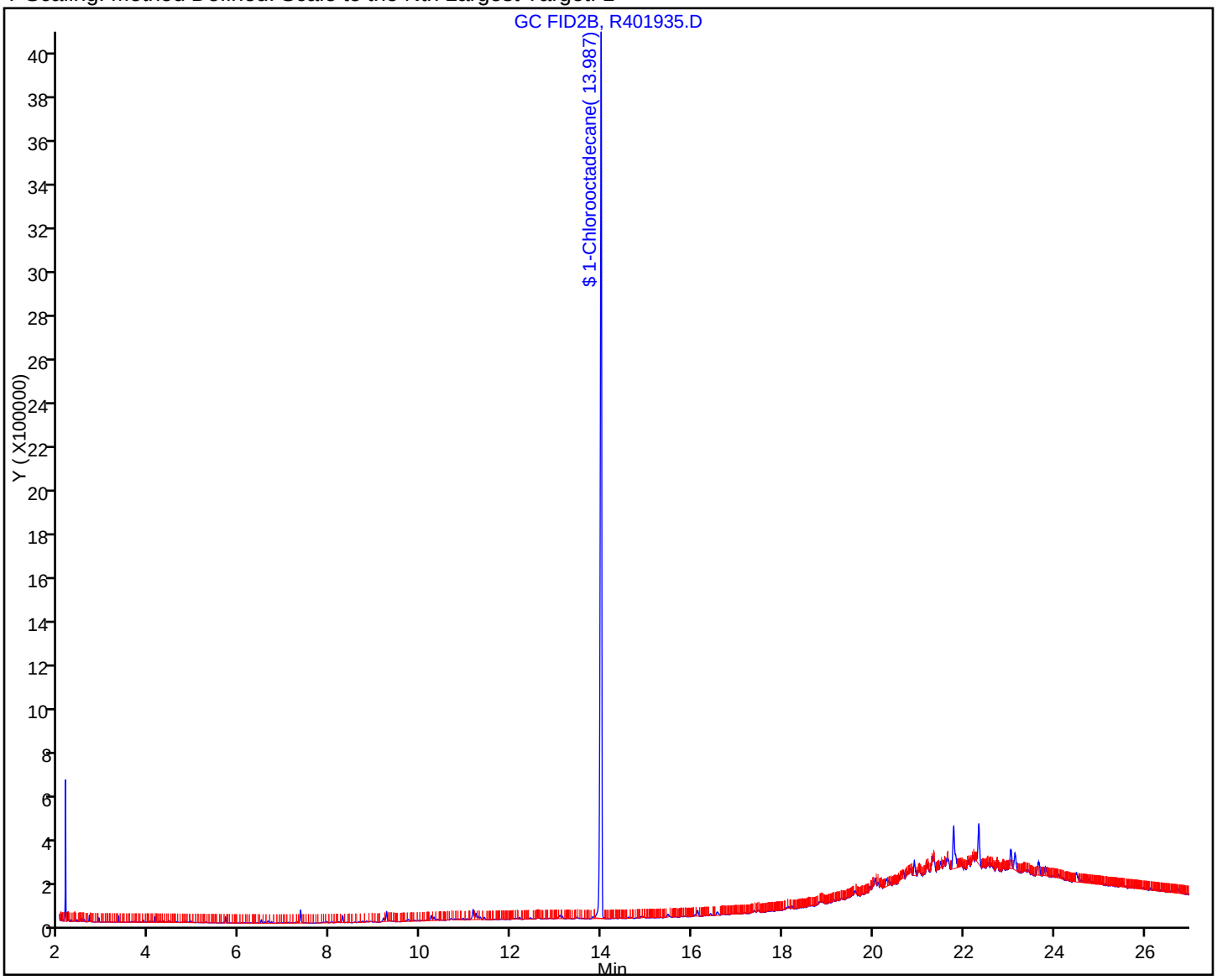
Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:36:45 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401935.D

Injection Date:	09-Dec-2011 13:58:38	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB302-0810	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	3
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 12-Dec-2011 10:36:46 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401935.D

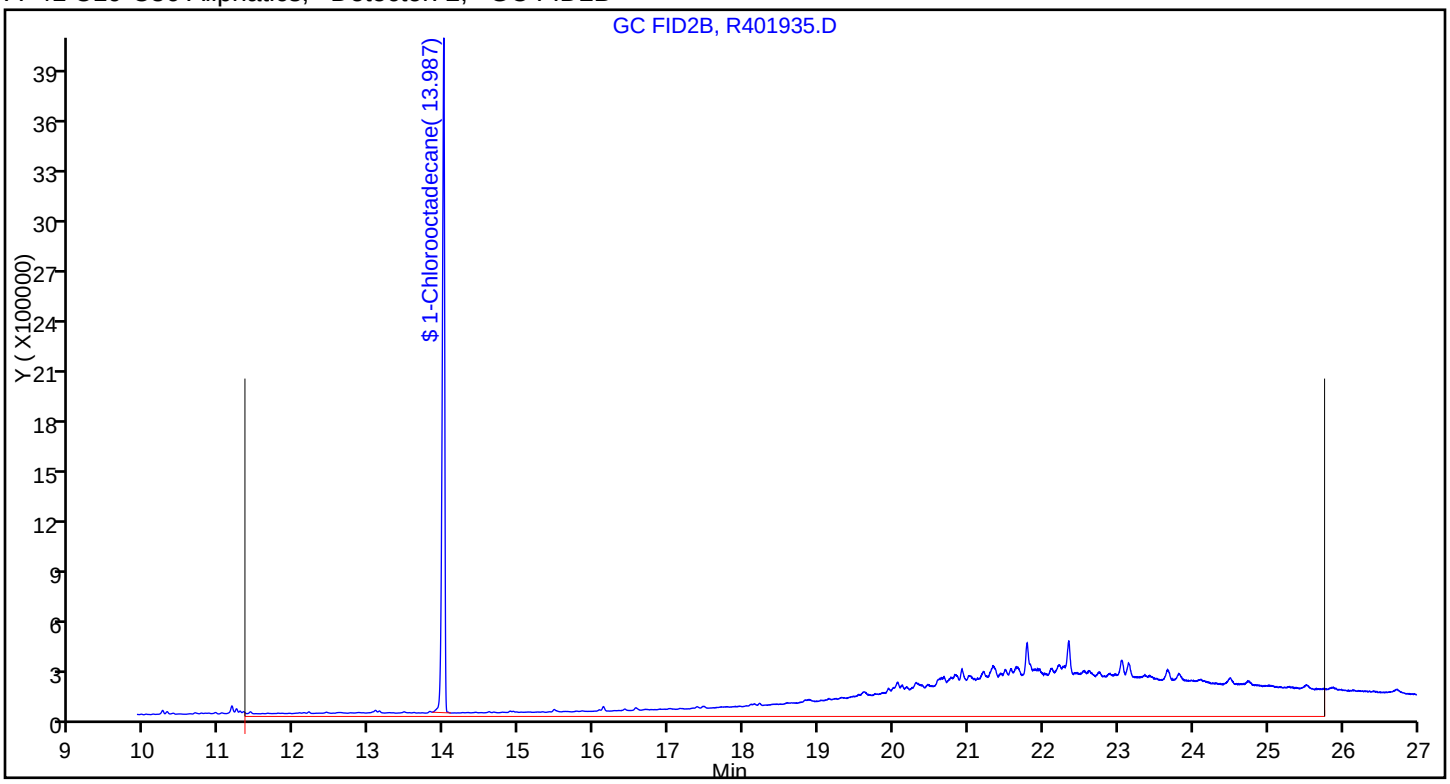
Injection Date: 09-Dec-2011 13:58:38 Limit Group: GC MA EPH

Client ID: BC-SO-SB302-0810 Instrument ID: INST R

Lims Batch ID: 84564 Lims Sample ID: 3

Operator ID: VM Injection Vol: 1.00 ul

A 41 C19-C36 Aliphatics, Detector: 2, GC FID2B



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB133-0002 | Lab Sample ID: 360-37832-3

Matrix: Solid | Lab File ID: R401937.D

Analysis Method: MA-EPH | Date Collected: 11/28/2011 13:37

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.07(g) | Date Analyzed: 12/09/2011 14:32

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 10.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.37	0.37
208-96-8	Acenaphthylene	ND		0.37	0.37
120-12-7	Anthracene	ND		0.37	0.37
56-55-3	Benzo[a]anthracene	ND		0.37	0.37
50-32-8	Benzo[a]pyrene	ND		0.37	0.37
205-99-2	Benzo[b]fluoranthene	ND		0.37	0.37
191-24-2	Benzo[g,h,i]perylene	ND		0.37	0.37
207-08-9	Benzo[k]fluoranthene	ND		0.37	0.37
218-01-9	Chrysene	ND		0.37	0.37
53-70-3	Dibenz(a,h)anthracene	ND		0.37	0.37
206-44-0	Fluoranthene	ND		0.37	0.37
86-73-7	Fluorene	ND		0.37	0.37
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.37	0.37
91-57-6	2-Methylnaphthalene	ND		0.37	0.37
91-20-3	Naphthalene	ND		0.37	0.37
85-01-8	Phenanthrene	ND		0.37	0.37
129-00-0	Pyrene	ND		0.37	0.37
STL00058	C11-C22 Aromatics (unadjusted)	10		3.7	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	67		40-140
321-60-8	2-Fluorobiphenyl	67		40-140
84-15-1	o-Terphenyl	66		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401937.D		
Lims ID:	360-37832-A-3-B	Client ID:	BC-SO-SB133-0002
Inject. Date:	09-Dec-2011 14:32:46	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-3-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	84564	Lims Sample ID:	4
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:36:50

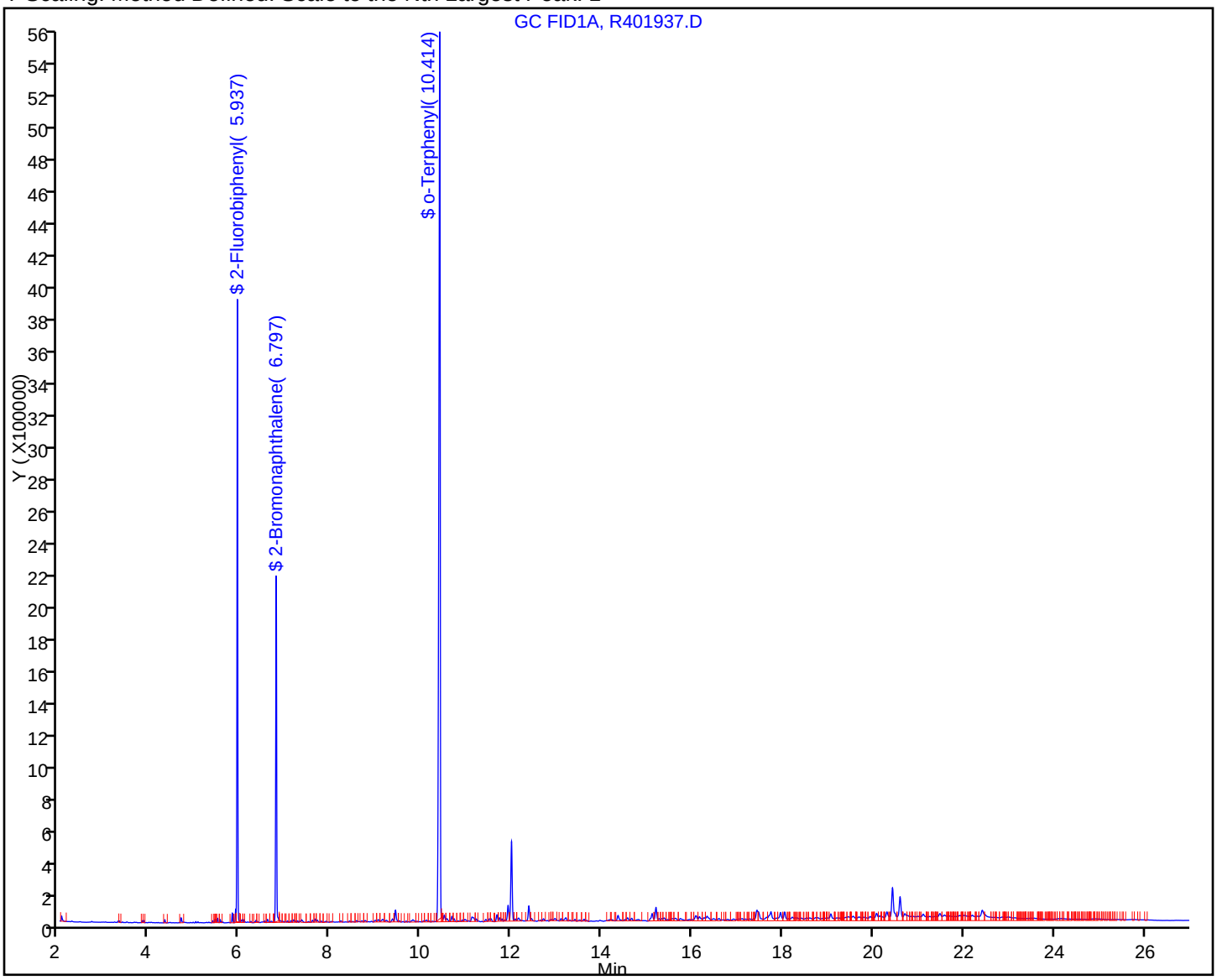
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.941	-0.004	4751411	33.4	
$ 2 2-Bromonaphthalene						
1	6.797	6.801	-0.004	3147363	33.4	
$ 3 o-Terphenyl						
1	10.414	10.407	0.007	11777124	65.9	
$ 4 1-Chlorooctadecane						
2	13.989	13.984	0.005	10311587	67.2	
A 40 C11-C22 Aromatics						
1	12.799	4.596 -	21.001	20962655	134.5	
A 41 C19-C36 Aliphatics						
2	18.546	11.328	-25.764	31895286	159.4	
S 43 Total EPH						
2					293.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					134.5	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:36:50 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401937.D
Injection Date: 09-Dec-2011 14:32:46 Limit Group: GC MA EPH
Client ID: BC-SO-SB133-0002 Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 4
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

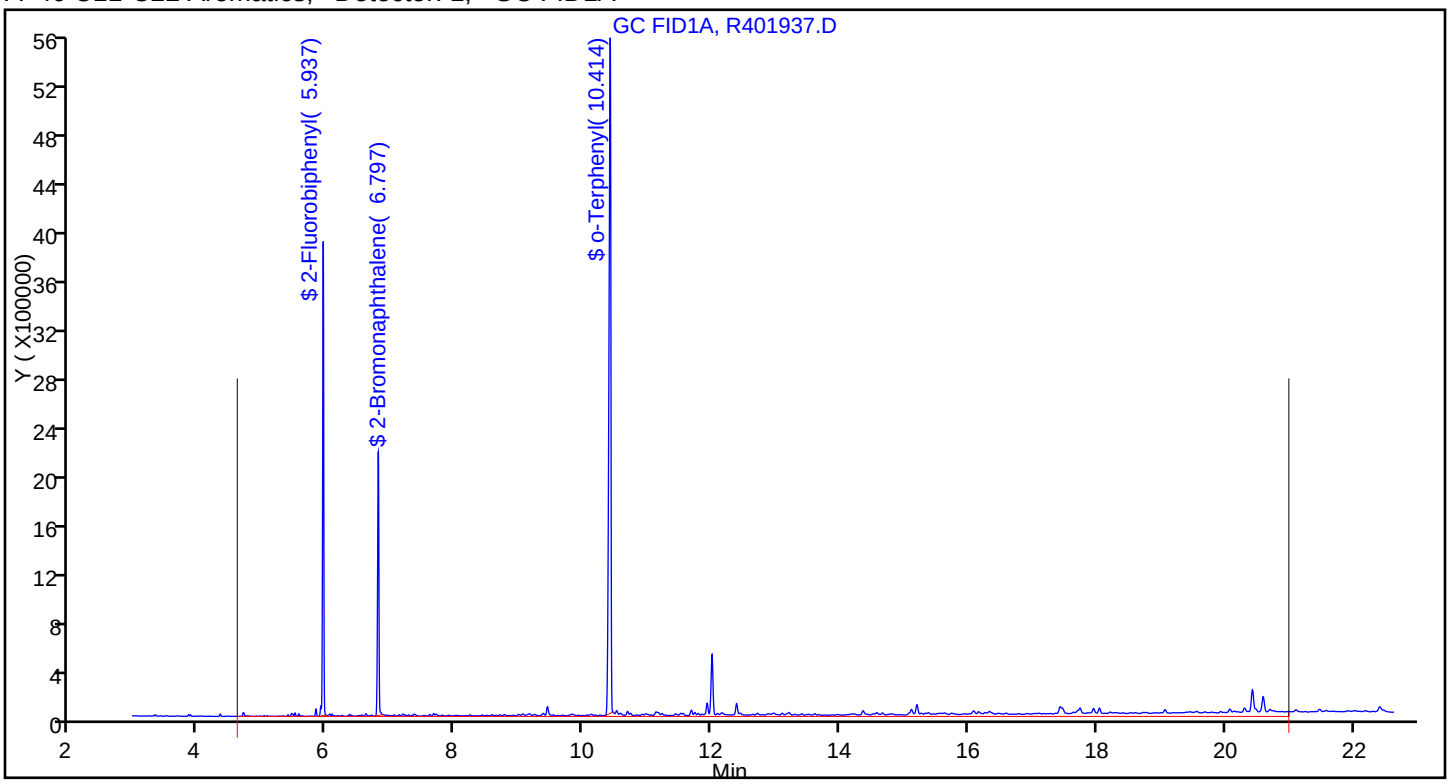


Report Date: 12-Dec-2011 10:36:50 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401937.D

Injection Date:	09-Dec-2011 14:32:46	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB133-0002	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	4
Operator ID:	VM	Injection Vol:	1.00 ul

A 40 C11-C22 Aromatics, Detector: 1, GC FID1A



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB133-0002 Lab Sample ID: 360-37832-3

Matrix: Solid Lab File ID: R401937.D

Analysis Method: MA-EPH Date Collected: 11/28/2011 13:37

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.07(g) Date Analyzed: 12/09/2011 14:32

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 10.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	10		3.7	3.7
STL00087	C19-C36 Aliphatics	12		3.7	3.7
STL00306	C9-C18 Aliphatics	ND		3.7	3.7
STL00362	Total EPH	22		3.7	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	67		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401937.D		
Lims ID:	360-37832-A-3-B	Client ID:	BC-SO-SB133-0002
Inject. Date:	09-Dec-2011 14:32:46	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-3-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	84564	Lims Sample ID:	4
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:36:50

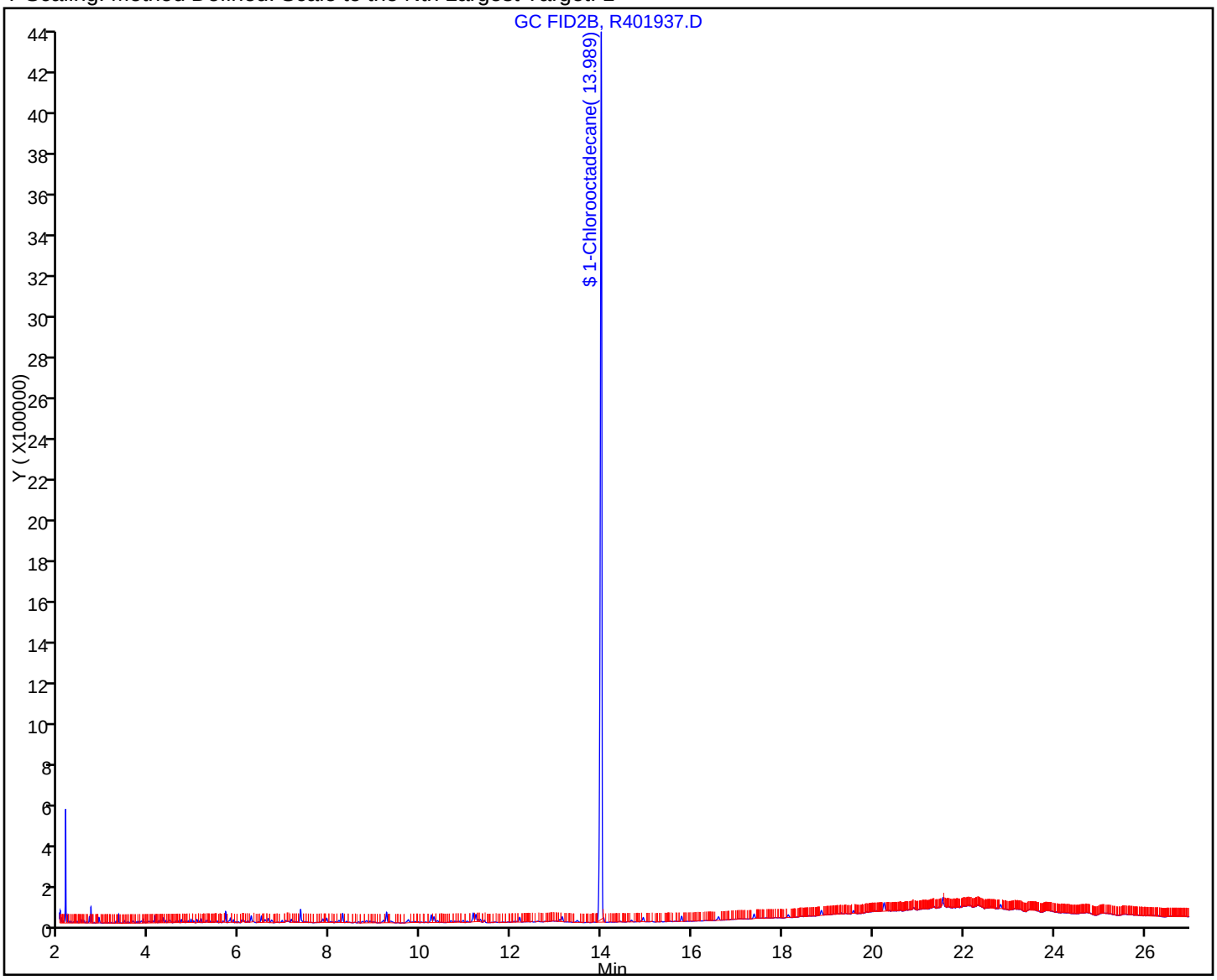
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.941	-0.004	4751411	33.4	
$ 2 2-Bromonaphthalene						
1	6.797	6.801	-0.004	3147363	33.4	
$ 3 o-Terphenyl						
1	10.414	10.407	0.007	11777124	65.9	
$ 4 1-Chlorooctadecane						
2	13.989	13.984	0.005	10311587	67.2	
A 40 C11-C22 Aromatics						
1	12.799	4.596 -	21.001	20962655	134.5	
A 41 C19-C36 Aliphatics						
2	18.546	11.328	-25.764	31895286	159.4	
S 43 Total EPH						
2					293.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					134.5	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

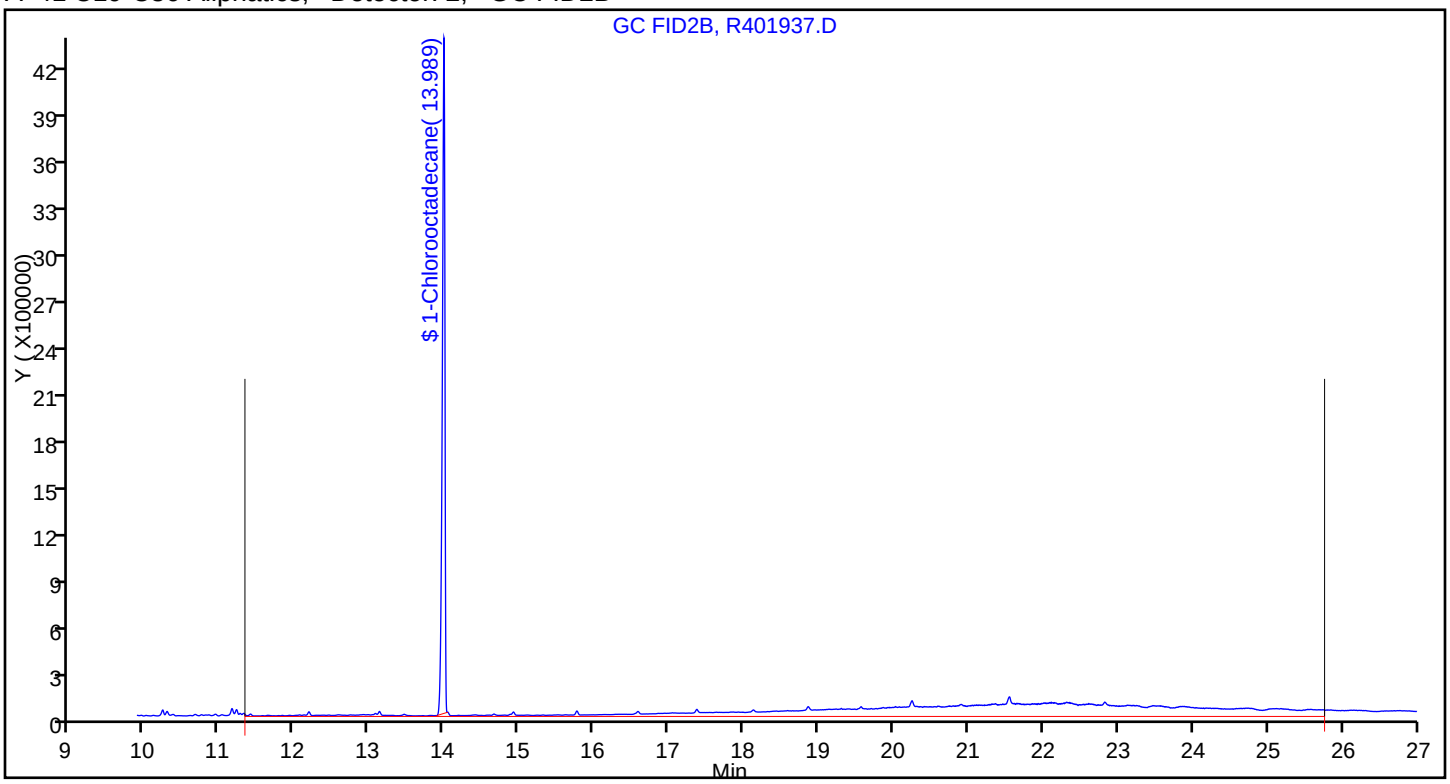
QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:36:51 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401937.D
Injection Date: 09-Dec-2011 14:32:46 Limit Group: GC MA EPH
Client ID: BC-SO-SB133-0002 Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 4
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 12-Dec-2011 10:36:51 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401937.D
Injection Date: 09-Dec-2011 14:32:46 Limit Group: GC MA EPH
Client ID: BC-SO-SB133-0002 Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 4
Operator ID: VM Injection Vol: 1.00 ul
A 41 C19-C36 Aliphatics, Detector: 2, GC FID2B



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SBDUP01 | Lab Sample ID: 360-37832-4

Matrix: Solid | Lab File ID: R401939.D

Analysis Method: MA-EPH | Date Collected: 11/28/2011 00:00

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.07(g) | Date Analyzed: 12/09/2011 15:06

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 6.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.35	0.35
208-96-8	Acenaphthylene	ND		0.35	0.35
120-12-7	Anthracene	ND		0.35	0.35
56-55-3	Benzo[a]anthracene	ND		0.35	0.35
50-32-8	Benzo[a]pyrene	ND		0.35	0.35
205-99-2	Benzo[b]fluoranthene	ND		0.35	0.35
191-24-2	Benzo[g,h,i]perylene	ND		0.35	0.35
207-08-9	Benzo[k]fluoranthene	ND		0.35	0.35
218-01-9	Chrysene	ND		0.35	0.35
53-70-3	Dibenz(a,h)anthracene	ND		0.35	0.35
206-44-0	Fluoranthene	ND		0.35	0.35
86-73-7	Fluorene	ND		0.35	0.35
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.35	0.35
91-57-6	2-Methylnaphthalene	ND		0.35	0.35
91-20-3	Naphthalene	ND		0.35	0.35
85-01-8	Phenanthrene	ND		0.35	0.35
129-00-0	Pyrene	ND		0.35	0.35
STL00058	C11-C22 Aromatics (unadjusted)	ND		3.5	3.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	68		40-140
321-60-8	2-Fluorobiphenyl	68		40-140
84-15-1	o-Terphenyl	66		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401939.D		
Lims ID:	360-37832-A-4-B	Client ID:	BC-SO-SBDUP01
Inject. Date:	09-Dec-2011 15:06:40	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-4-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	84564	Lims Sample ID:	5
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:36:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.941	-0.004	4804039	33.8	
$ 2 2-Bromonaphthalene						
1	6.796	6.801	-0.005	3203669	34.0	
$ 3 o-Terphenyl						
1	10.412	10.407	0.005	11728672	65.6	
$ 4 1-Chlorooctadecane						
2	13.992	13.984	0.008	11210044	73.1	
A 40 C11-C22 Aromatics						
1	12.799	4.596 -	21.001	7348528	47.1	
A 41 C19-C36 Aliphatics						
2	18.546	11.328 -	25.764	19488710	85.8	
S 43 Total EPH						
2					132.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					47.1	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

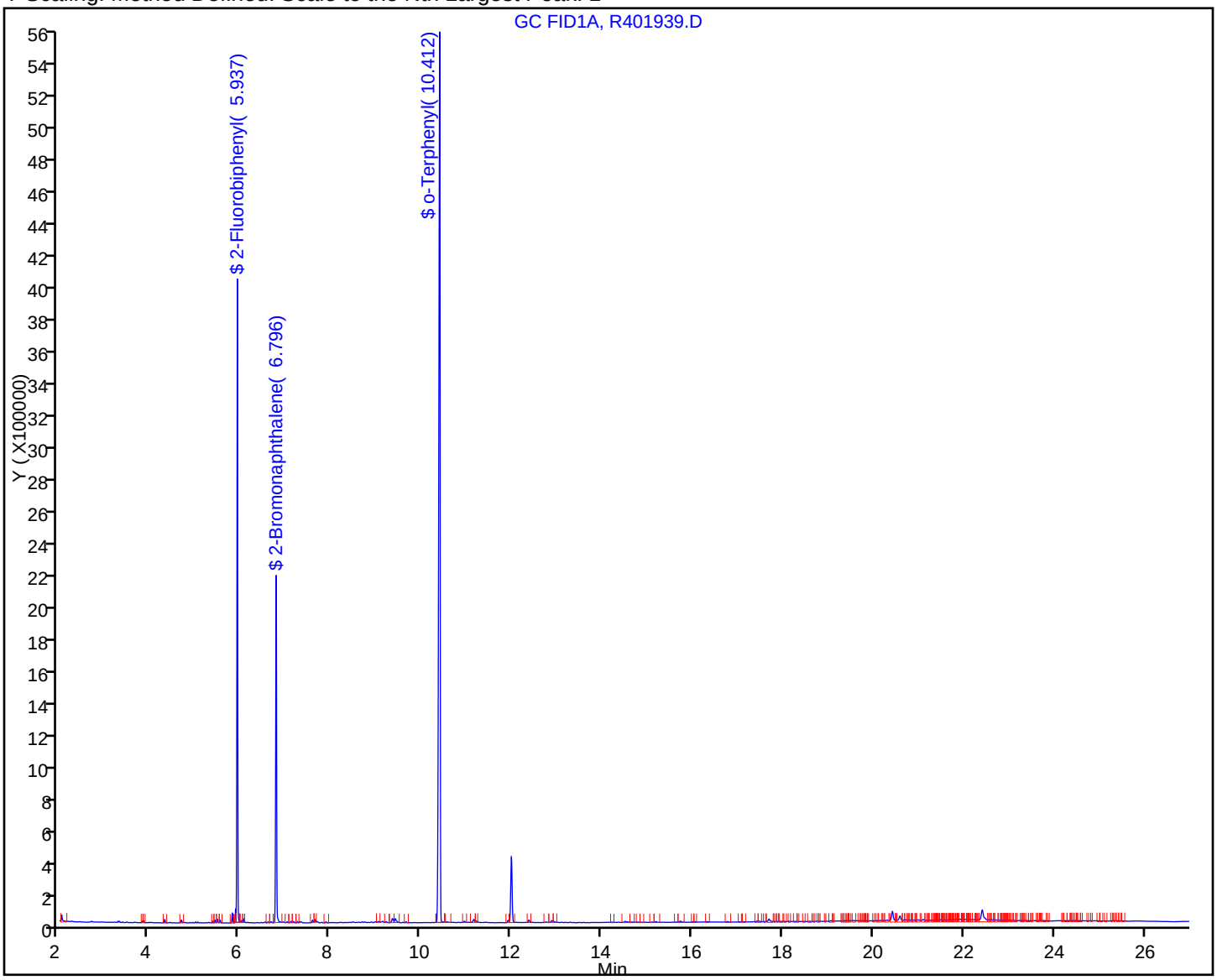
Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:36:55 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401939.D

Injection Date:	09-Dec-2011 15:06:40	Limit Group:	GC MA EPH
Client ID:	BC-SO-SBDUP01	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	5
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SBDUP01 Lab Sample ID: 360-37832-4

Matrix: Solid Lab File ID: R401939.D

Analysis Method: MA-EPH Date Collected: 11/28/2011 00:00

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.07(g) Date Analyzed: 12/09/2011 15:06

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 6.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.5	3.5
STL00087	C19-C36 Aliphatics	6.1		3.5	3.5
STL00306	C9-C18 Aliphatics	ND		3.5	3.5
STL00362	Total EPH	6.1		3.5	3.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	73		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401939.D		
Lims ID:	360-37832-A-4-B	Client ID:	BC-SO-SBDUP01
Inject. Date:	09-Dec-2011 15:06:40	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-4-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	84564	Lims Sample ID:	5
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:36:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.941	-0.004	4804039	33.8	
$ 2 2-Bromonaphthalene						
1	6.796	6.801	-0.005	3203669	34.0	
$ 3 o-Terphenyl						
1	10.412	10.407	0.005	11728672	65.6	
$ 4 1-Chlorooctadecane						
2	13.992	13.984	0.008	11210044	73.1	
A 40 C11-C22 Aromatics						
1	12.799	4.596 -	21.001	7348528	47.1	
A 41 C19-C36 Aliphatics						
2	18.546	11.328	-25.764	19488710	85.8	
S 43 Total EPH						
2					132.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					47.1	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

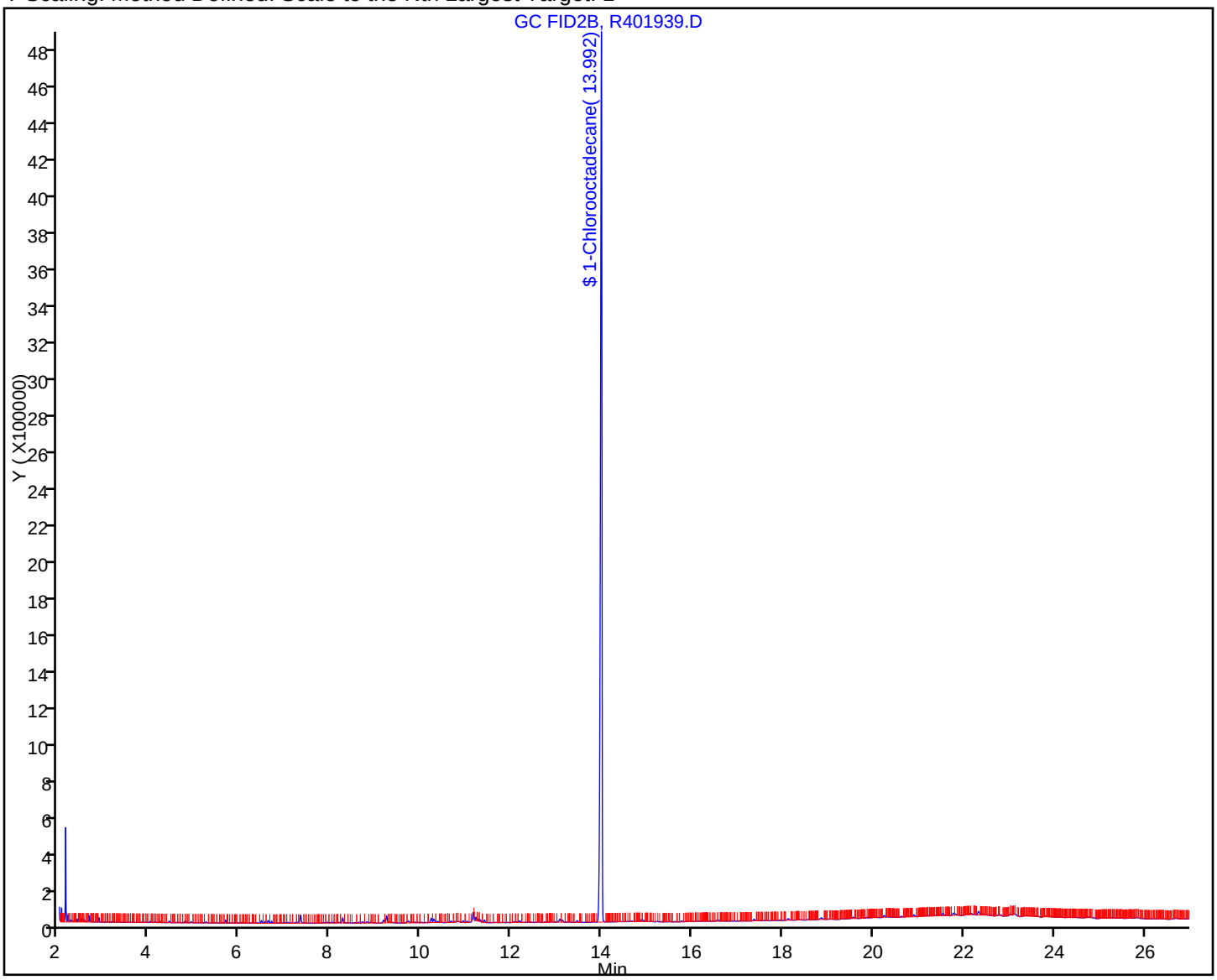
Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:36:55 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401939.D

Injection Date:	09-Dec-2011 15:06:40	Limit Group:	GC MA EPH
Client ID:	BC-SO-SBDUP01	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	5
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 12-Dec-2011 10:36:56 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401939.D

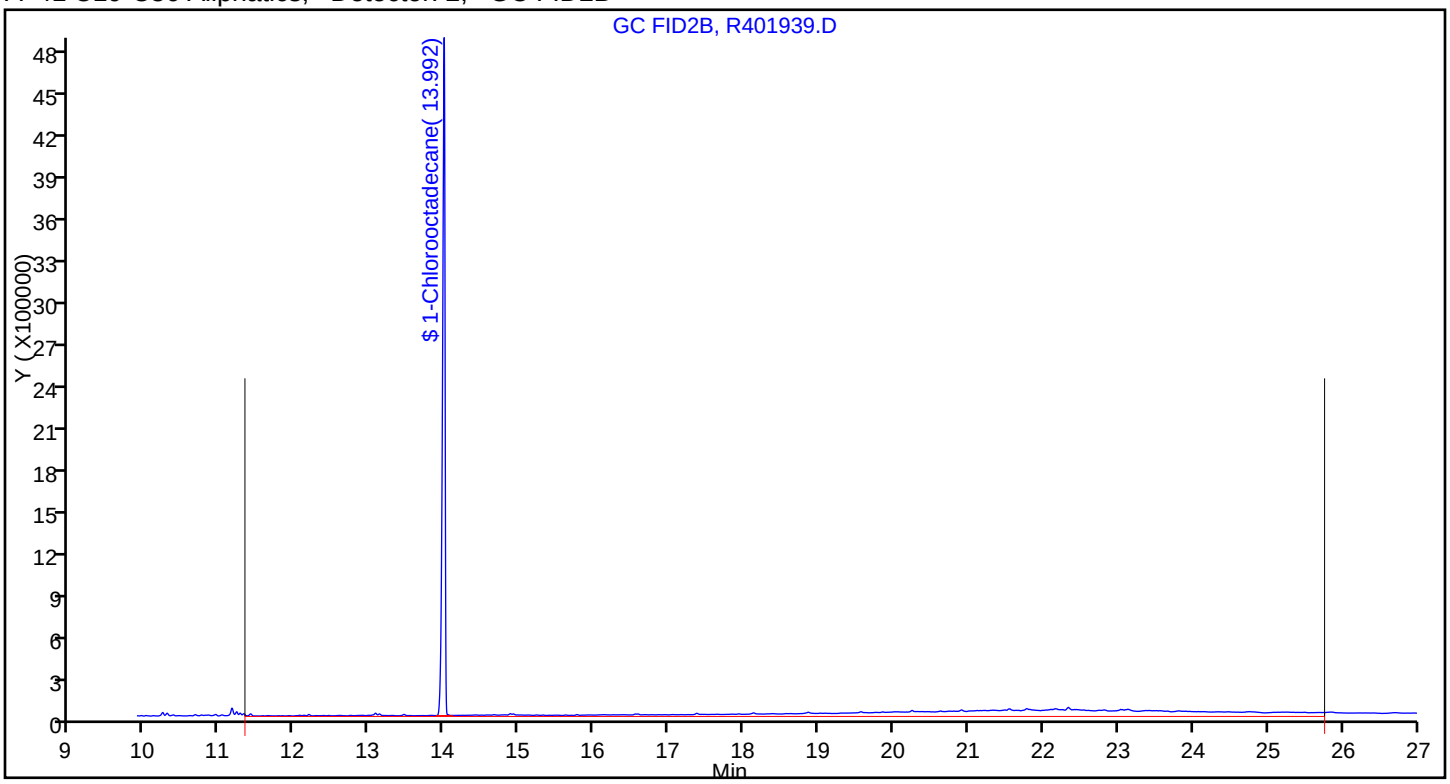
Injection Date: 09-Dec-2011 15:06:40 Limit Group: GC MA EPH

Client ID: BC-SO-SBDUP01 Instrument ID: INST R

Lims Batch ID: 84564 Lims Sample ID: 5

Operator ID: VM Injection Vol: 1.00 ul

A 41 C19-C36 Aliphatics, Detector: 2, GC FID2B



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB131-1012 | Lab Sample ID: 360-37832-5

Matrix: Solid | Lab File ID: R401941.D

Analysis Method: MA-EPH | Date Collected: 11/28/2011 14:05

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.05(g) | Date Analyzed: 12/09/2011 15:40

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 9.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.36	0.36
208-96-8	Acenaphthylene	ND		0.36	0.36
120-12-7	Anthracene	ND		0.36	0.36
56-55-3	Benzo[a]anthracene	ND		0.36	0.36
50-32-8	Benzo[a]pyrene	ND		0.36	0.36
205-99-2	Benzo[b]fluoranthene	ND		0.36	0.36
191-24-2	Benzo[g,h,i]perylene	ND		0.36	0.36
207-08-9	Benzo[k]fluoranthene	ND		0.36	0.36
218-01-9	Chrysene	ND		0.36	0.36
53-70-3	Dibenz(a,h)anthracene	ND		0.36	0.36
206-44-0	Fluoranthene	ND		0.36	0.36
86-73-7	Fluorene	ND		0.36	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.36	0.36
91-57-6	2-Methylnaphthalene	ND		0.36	0.36
91-20-3	Naphthalene	ND		0.36	0.36
85-01-8	Phenanthrene	ND		0.36	0.36
129-00-0	Pyrene	ND		0.36	0.36
STL00058	C11-C22 Aromatics (unadjusted)	ND		3.6	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	64		40-140
321-60-8	2-Fluorobiphenyl	64		40-140
84-15-1	o-Terphenyl	67		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401941.D		
Lims ID:	360-37832-A-5-B	Client ID:	BC-SO-SB131-1012
Inject. Date:	09-Dec-2011 15:40:47	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-5-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	84564	Lims Sample ID:	6
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:37:00

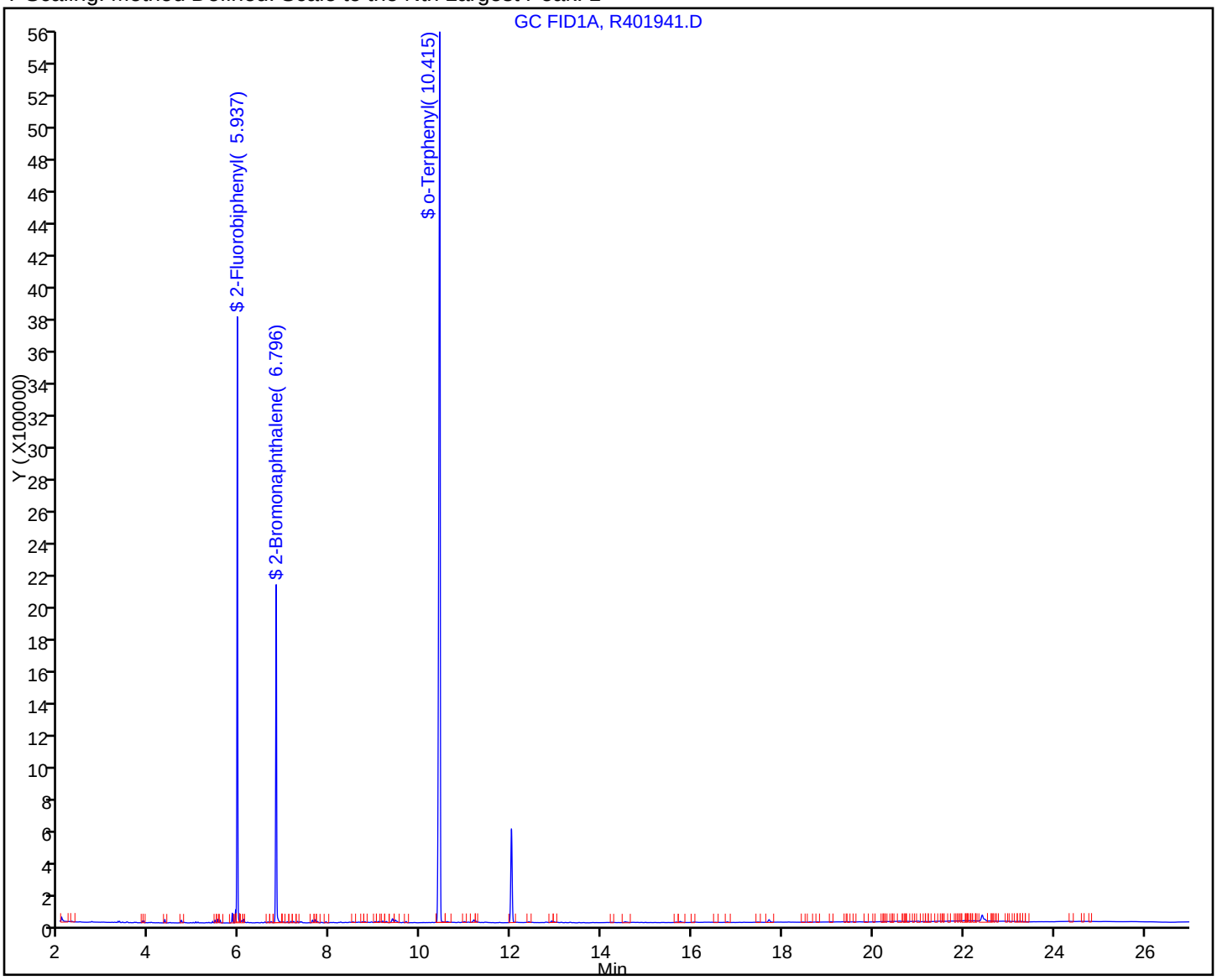
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.941	-0.004	4522340	31.8	
$ 2 2-Bromonaphthalene						
1	6.796	6.801	-0.005	3029660	32.2	
$ 3 o-Terphenyl						
1	10.415	10.407	0.008	11977172	67.0	
$ 4 1-Chlorooctadecane						
2	13.991	13.984	0.007	10644978	69.4	
A 40 C11-C22 Aromatics						
1	12.799	4.596	- 21.001	5736880	36.8	
A 41 C19-C36 Aliphatics						
2	18.546	11.328	-25.764	7788763	16.3	
S 43 Total EPH						
2					53.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					36.8	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:37:00 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401941.D
Injection Date: 09-Dec-2011 15:40:47 Limit Group: GC MA EPH
Client ID: BC-SO-SB131-1012 Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 6
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB131-1012 Lab Sample ID: 360-37832-5

Matrix: Solid Lab File ID: R401941.D

Analysis Method: MA-EPH Date Collected: 11/28/2011 14:05

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.05(g) Date Analyzed: 12/09/2011 15:40

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 9.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.6	3.6
STL00087	C19-C36 Aliphatics	ND		3.6	3.6
STL00306	C9-C18 Aliphatics	ND		3.6	3.6
STL00362	Total EPH	ND		3.6	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	69		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401941.D		
Lims ID:	360-37832-A-5-B	Client ID:	BC-SO-SB131-1012
Inject. Date:	09-Dec-2011 15:40:47	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-5-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	84564	Lims Sample ID:	6
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:37:00

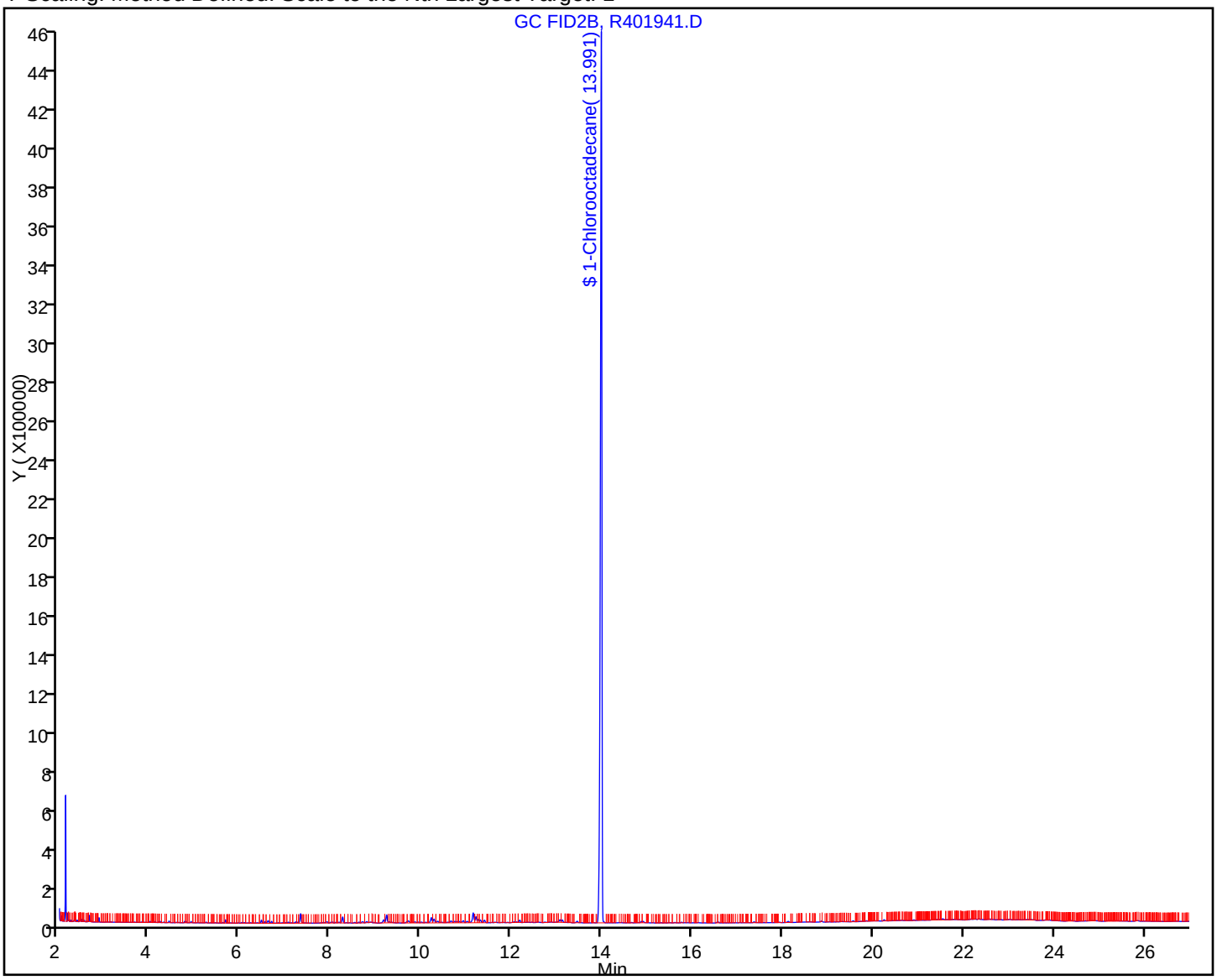
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.941	-0.004	4522340	31.8	
$ 2 2-Bromonaphthalene						
1	6.796	6.801	-0.005	3029660	32.2	
$ 3 o-Terphenyl						
1	10.415	10.407	0.008	11977172	67.0	
$ 4 1-Chlorooctadecane						
2	13.991	13.984	0.007	10644978	69.4	
A 40 C11-C22 Aromatics						
1	12.799	4.596 -	21.001	5736880	36.8	
A 41 C19-C36 Aliphatics						
2	18.546	11.328 -	25.764	7788763	16.3	
S 43 Total EPH						
2					53.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					36.8	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:37:01 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401941.D
Injection Date: 09-Dec-2011 15:40:47 Limit Group: GC MA EPH
Client ID: BC-SO-SB131-1012 Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 6
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB128-0002 | Lab Sample ID: 360-37832-6

Matrix: Solid | Lab File ID: R401943.D

Analysis Method: MA-EPH | Date Collected: 11/28/2011 12:15

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.36(g) | Date Analyzed: 12/09/2011 16:14

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84564 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.36	0.36
208-96-8	Acenaphthylene	ND		0.36	0.36
120-12-7	Anthracene	ND		0.36	0.36
56-55-3	Benzo[a]anthracene	ND		0.36	0.36
50-32-8	Benzo[a]pyrene	ND		0.36	0.36
205-99-2	Benzo[b]fluoranthene	ND		0.36	0.36
191-24-2	Benzo[g,h,i]perylene	ND		0.36	0.36
207-08-9	Benzo[k]fluoranthene	ND		0.36	0.36
218-01-9	Chrysene	ND		0.36	0.36
53-70-3	Dibenz(a,h)anthracene	ND		0.36	0.36
206-44-0	Fluoranthene	ND		0.36	0.36
86-73-7	Fluorene	ND		0.36	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.36	0.36
91-57-6	2-Methylnaphthalene	ND		0.36	0.36
91-20-3	Naphthalene	ND		0.36	0.36
85-01-8	Phenanthrene	ND		0.36	0.36
129-00-0	Pyrene	ND		0.36	0.36
STL00058	C11-C22 Aromatics (unadjusted)	4.2		3.6	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	66		40-140
321-60-8	2-Fluorobiphenyl	65		40-140
84-15-1	o-Terphenyl	72		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401943.D		
Lims ID:	360-37832-A-6-B	Client ID:	BC-SO-SB128-0002
Inject. Date:	09-Dec-2011 16:14:47	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-6-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	84564	Lims Sample ID:	7
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:37:06

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.941	-0.004	4598144	32.3	
$ 2 2-Bromonaphthalene						
1	6.796	6.801	-0.005	3091632	32.8	
$ 3 o-Terphenyl						
1	10.416	10.407	0.009	12816994	71.7	
$ 4 1-Chlorooctadecane						
2	13.991	13.984	0.007	11598775	75.6	
A 40 C11-C22 Aromatics						
1	12.799	4.596 -	21.001	9027320	57.9	
A 41 C19-C36 Aliphatics						
2	18.546	11.328	-25.764	13579467	50.7	
S 43 Total EPH						
2					108.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					57.9	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

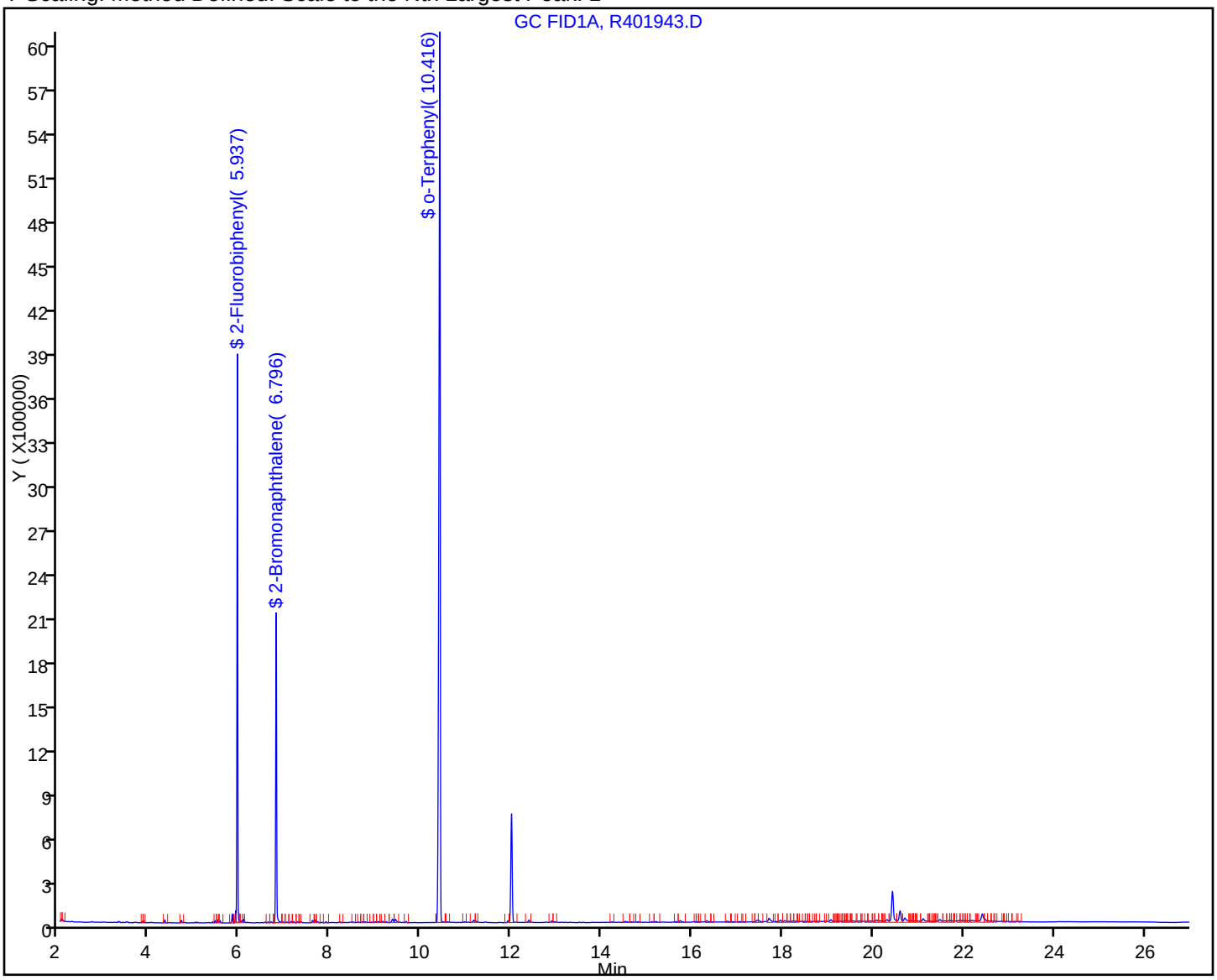
Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:37:06 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401943.D

Injection Date:	09-Dec-2011 16:14:47	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB128-0002	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	7
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

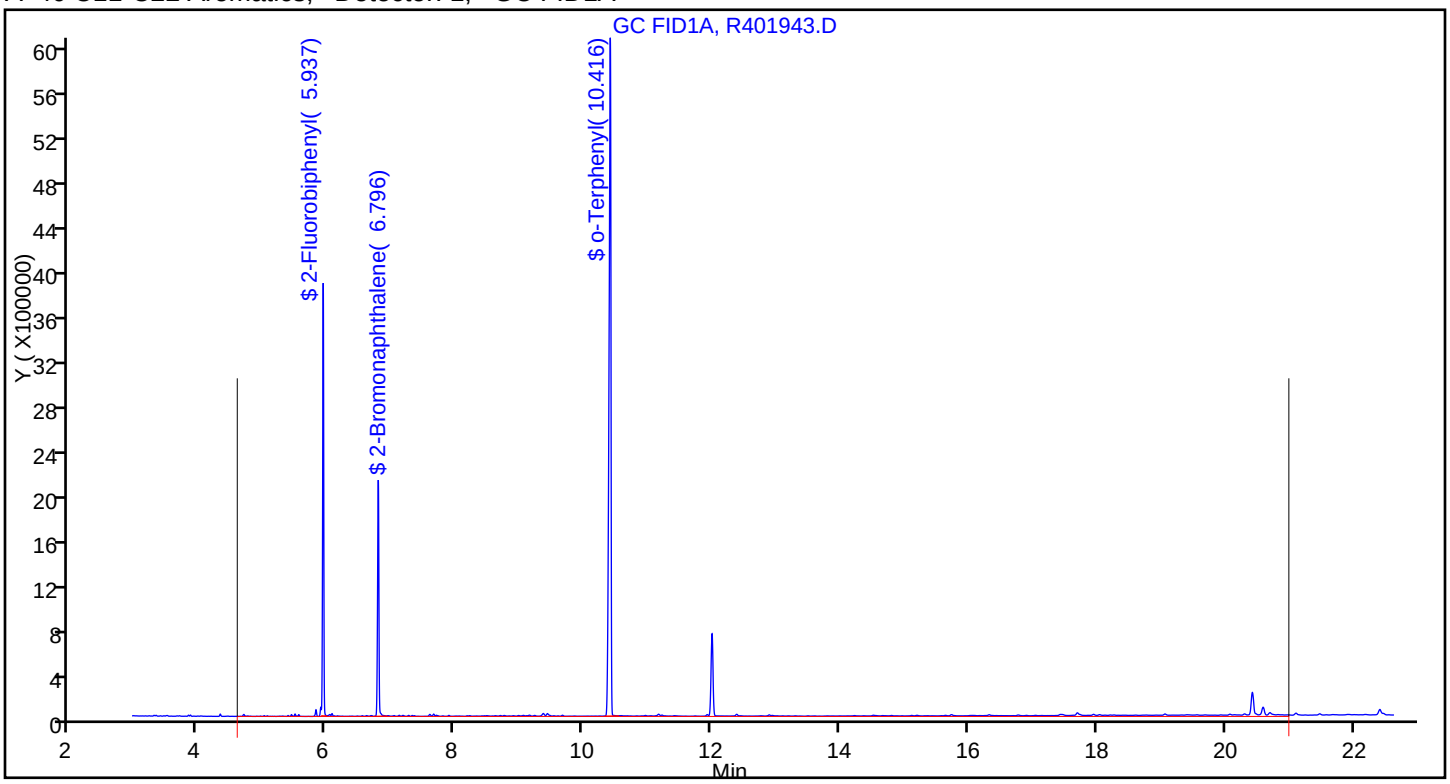


Report Date: 12-Dec-2011 10:37:06 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401943.D

Injection Date:	09-Dec-2011 16:14:47	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB128-0002	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	7
Operator ID:	VM	Injection Vol:	1.00 ul

A 40 C11-C22 Aromatics, Detector: 1, GC FID1A



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB128-0002 Lab Sample ID: 360-37832-6

Matrix: Solid Lab File ID: R401943.D

Analysis Method: MA-EPH Date Collected: 11/28/2011 12:15

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.36(g) Date Analyzed: 12/09/2011 16:14

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84564 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	4.2		3.6	3.6
STL00087	C19-C36 Aliphatics	3.6		3.6	3.6
STL00306	C9-C18 Aliphatics	ND		3.6	3.6
STL00362	Total EPH	7.8		3.6	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	76		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401943.D		
Lims ID:	360-37832-A-6-B	Client ID:	BC-SO-SB128-0002
Inject. Date:	09-Dec-2011 16:14:47	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-6-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	84564	Lims Sample ID:	7
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:37:06

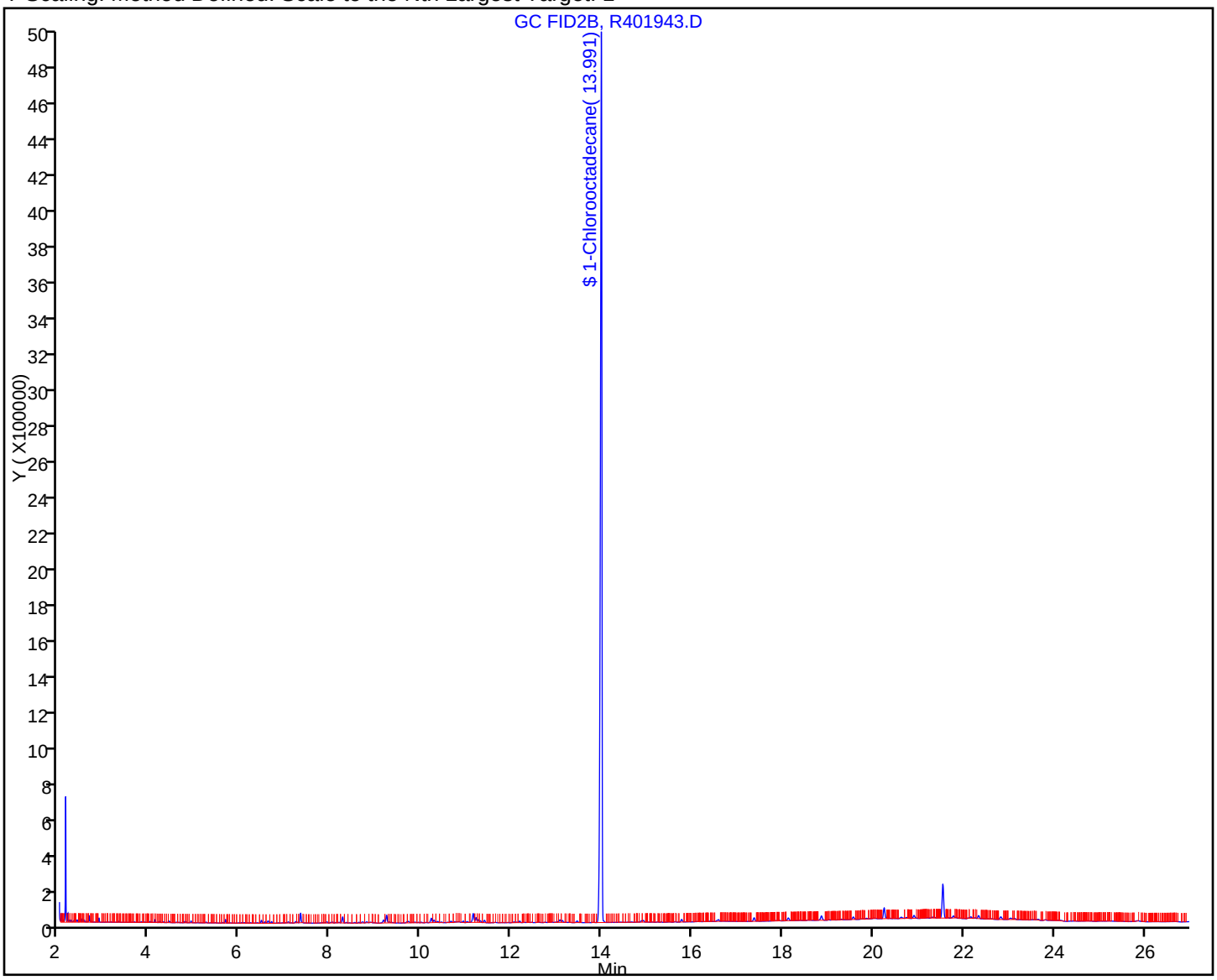
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.941	-0.004	4598144	32.3	
$ 2 2-Bromonaphthalene						
1	6.796	6.801	-0.005	3091632	32.8	
$ 3 o-Terphenyl						
1	10.416	10.407	0.009	12816994	71.7	
$ 4 1-Chlorooctadecane						
2	13.991	13.984	0.007	11598775	75.6	
A 40 C11-C22 Aromatics						
1	12.799	4.596 -	21.001	9027320	57.9	
A 41 C19-C36 Aliphatics						
2	18.546	11.328	-25.764	13579467	50.7	
S 43 Total EPH						
2					108.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					57.9	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:37:06 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401943.D
Injection Date: 09-Dec-2011 16:14:47 Limit Group: GC MA EPH
Client ID: BC-SO-SB128-0002 Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 7
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

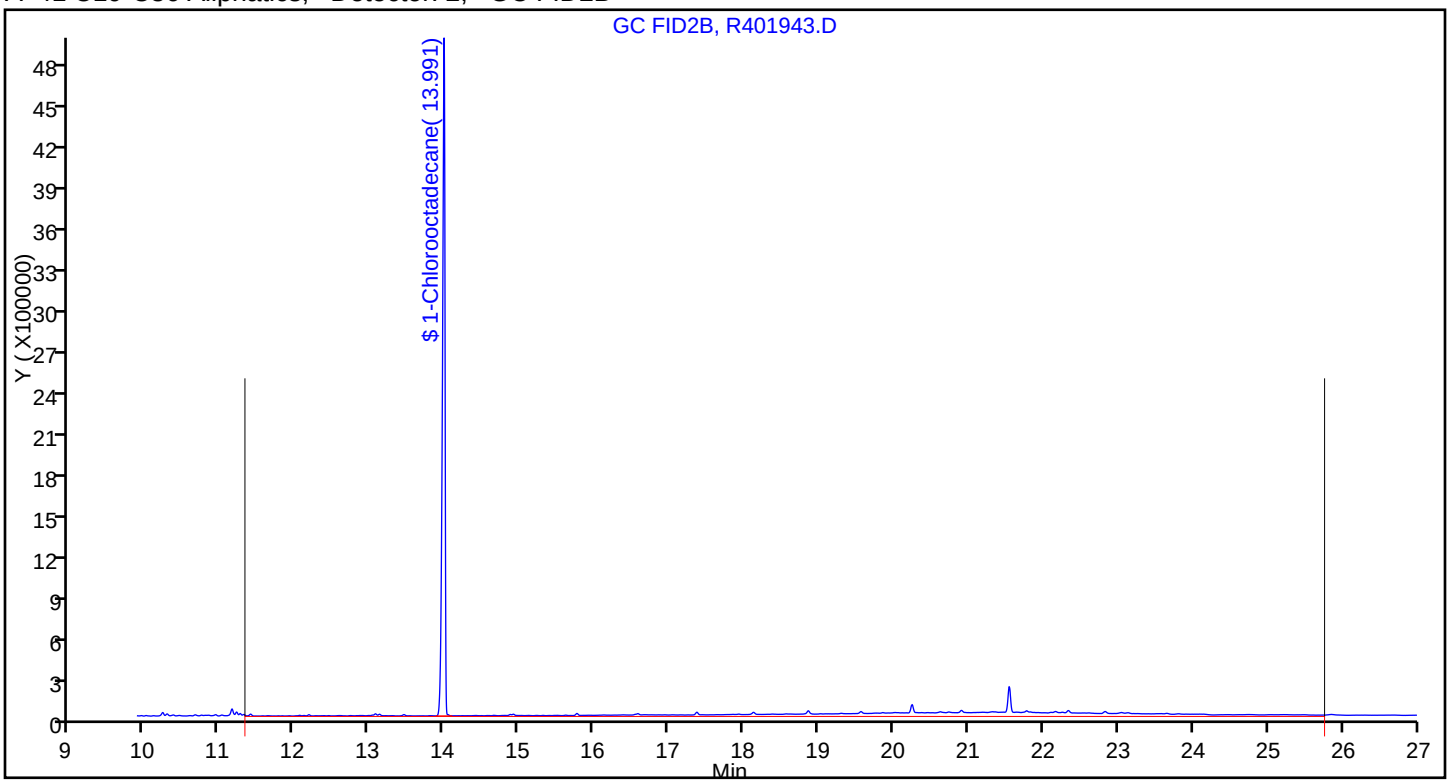


Report Date: 12-Dec-2011 10:37:07 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401943.D

Injection Date:	09-Dec-2011 16:14:47	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB128-0002	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	7
Operator ID:	VM	Injection Vol:	1.00 ul

A 41 C19-C36 Aliphatics, Detector: 2, GC FID2B



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB303-0204 | Lab Sample ID: 360-37832-7

Matrix: Solid | Lab File ID: R401945.D

Analysis Method: MA-EPH | Date Collected: 11/28/2011 16:00

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.40(g) | Date Analyzed: 12/09/2011 16:48

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.38	0.38
208-96-8	Acenaphthylene	ND		0.38	0.38
120-12-7	Anthracene	ND		0.38	0.38
56-55-3	Benzo[a]anthracene	ND		0.38	0.38
50-32-8	Benzo[a]pyrene	ND		0.38	0.38
205-99-2	Benzo[b]fluoranthene	ND		0.38	0.38
191-24-2	Benzo[g,h,i]perylene	ND		0.38	0.38
207-08-9	Benzo[k]fluoranthene	ND		0.38	0.38
218-01-9	Chrysene	ND		0.38	0.38
53-70-3	Dibenz(a,h)anthracene	ND		0.38	0.38
206-44-0	Fluoranthene	ND		0.38	0.38
86-73-7	Fluorene	ND		0.38	0.38
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.38	0.38
91-57-6	2-Methylnaphthalene	ND		0.38	0.38
91-20-3	Naphthalene	ND		0.38	0.38
85-01-8	Phenanthrene	ND		0.38	0.38
129-00-0	Pyrene	ND		0.38	0.38
STL00058	C11-C22 Aromatics (unadjusted)	4.2		3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	63		40-140
321-60-8	2-Fluorobiphenyl	62		40-140
84-15-1	o-Terphenyl	70		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401945.D		
Lims ID:	360-37832-A-7-B	Client ID:	BC-SO-SB303-0204
Inject. Date:	09-Dec-2011 16:48:52	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-7-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	84564	Lims Sample ID:	8
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:37:12

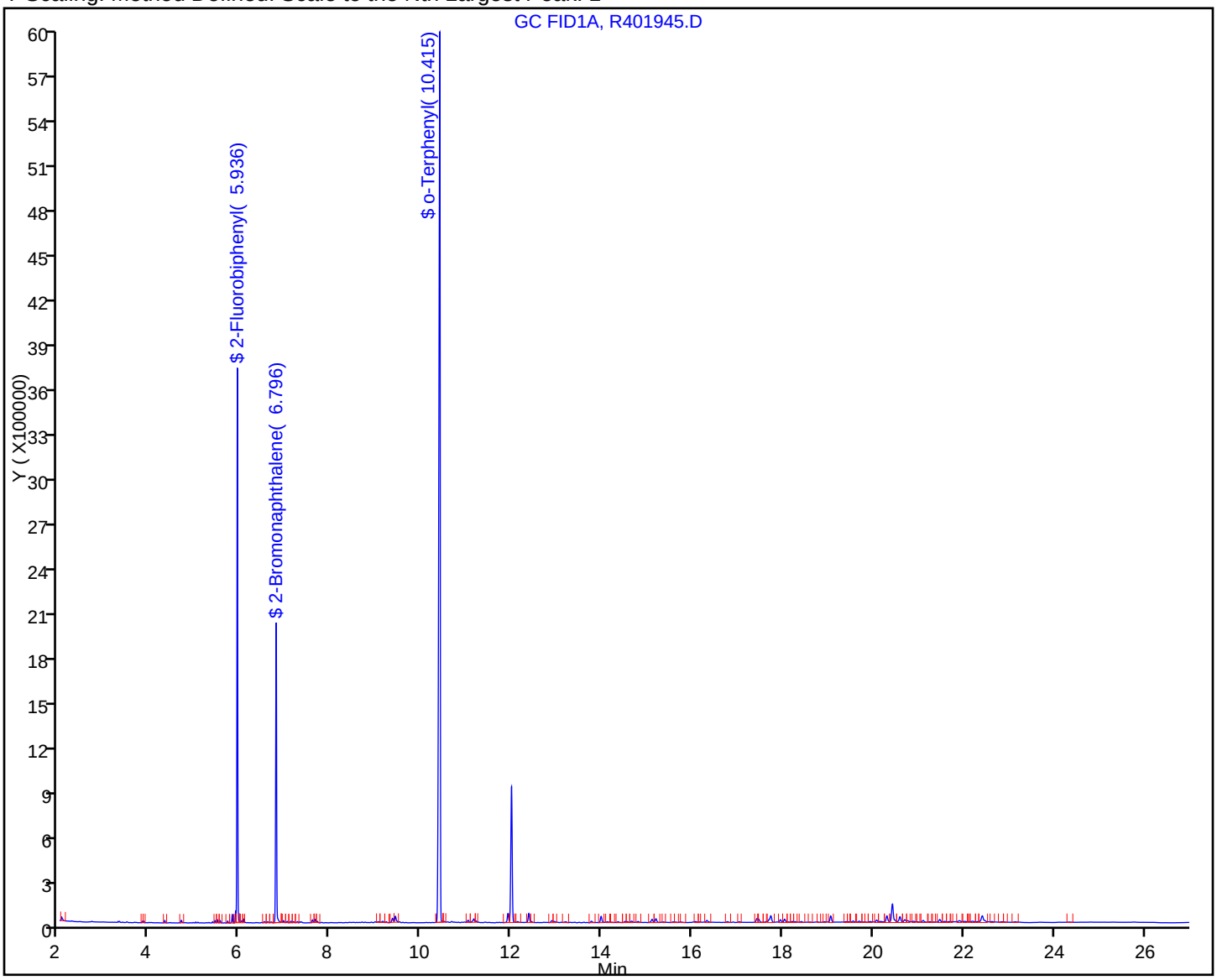
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.936	5.941	-0.005	4396273	30.9	
$ 2 2-Bromonaphthalene						
1	6.796	6.801	-0.005	2950647	31.3	
$ 3 o-Terphenyl						
1	10.415	10.407	0.008	12501406	69.9	
$ 4 1-Chlorooctadecane						
2	13.985	13.984	0.001	8889889	58.0	
A 40 C11-C22 Aromatics						
1	12.799	4.596 - 21.001		8665579	55.6	
S 43 Total EPH						
2					55.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					55.6	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

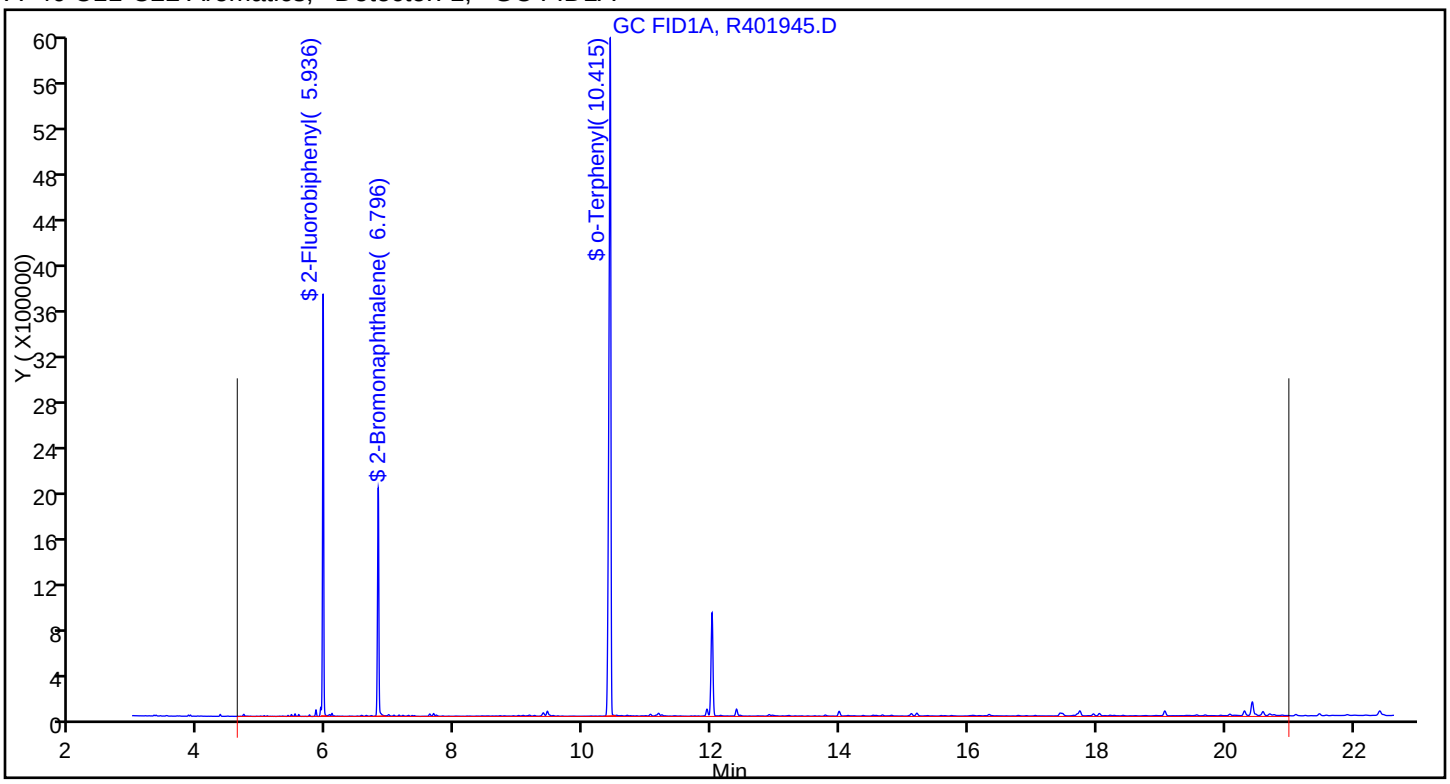
Report Date: 12-Dec-2011 10:37:12 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401945.D
Injection Date: 09-Dec-2011 16:48:52 Limit Group: GC MA EPH
Client ID: BC-SO-SB303-0204 Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 8
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Report Date: 12-Dec-2011 10:37:12 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401945.D		
Injection Date:	09-Dec-2011 16:48:52	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB303-0204	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	8
Operator ID:	VM	Injection Vol:	1.00 ul

A 40 C11-C22 Aromatics, Detector: 1, GC FID1A



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB303-0204 Lab Sample ID: 360-37832-7

Matrix: Solid Lab File ID: R401945.D

Analysis Method: MA-EPH Date Collected: 11/28/2011 16:00

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.40(g) Date Analyzed: 12/09/2011 16:48

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 13.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	4.2		3.8	3.8
STL00087	C19-C36 Aliphatics	ND		3.8	3.8
STL00306	C9-C18 Aliphatics	ND		3.8	3.8
STL00362	Total EPH	4.2		3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	58		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401945.D		
Lims ID:	360-37832-A-7-B	Client ID:	BC-SO-SB303-0204
Inject. Date:	09-Dec-2011 16:48:52	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-7-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	84564	Lims Sample ID:	8
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:37:12

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.936	5.941	-0.005	4396273	30.9	
$ 2 2-Bromonaphthalene						
1	6.796	6.801	-0.005	2950647	31.3	
$ 3 o-Terphenyl						
1	10.415	10.407	0.008	12501406	69.9	
$ 4 1-Chlorooctadecane						
2	13.985	13.984	0.001	8889889	58.0	
A 40 C11-C22 Aromatics						
1	12.799	4.596 - 21.001		8665579	55.6	
S 43 Total EPH						
2					55.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					55.6	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

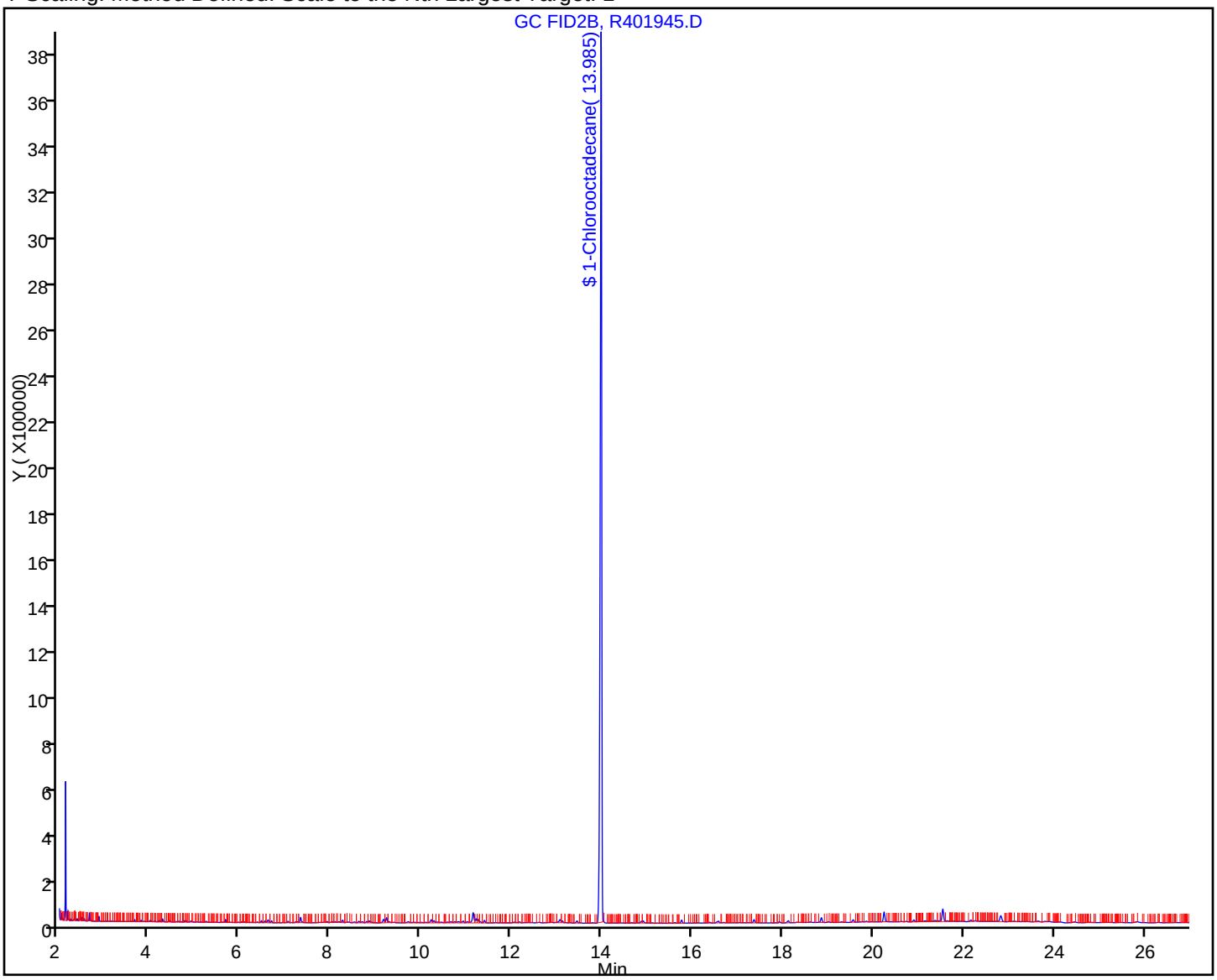
Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:37:12 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401945.D

Injection Date:	09-Dec-2011 16:48:52	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB303-0204	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	8
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB132-1012 | Lab Sample ID: 360-37832-8

Matrix: Solid | Lab File ID: R401947.D

Analysis Method: MA-EPH | Date Collected: 11/28/2011 12:00

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.05(g) | Date Analyzed: 12/09/2011 17:22

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 13.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.38	0.38
208-96-8	Acenaphthylene	ND		0.38	0.38
120-12-7	Anthracene	ND		0.38	0.38
56-55-3	Benzo[a]anthracene	ND		0.38	0.38
50-32-8	Benzo[a]pyrene	ND		0.38	0.38
205-99-2	Benzo[b]fluoranthene	ND		0.38	0.38
191-24-2	Benzo[g,h,i]perylene	ND		0.38	0.38
207-08-9	Benzo[k]fluoranthene	ND		0.38	0.38
218-01-9	Chrysene	ND		0.38	0.38
53-70-3	Dibenz(a,h)anthracene	ND		0.38	0.38
206-44-0	Fluoranthene	ND		0.38	0.38
86-73-7	Fluorene	ND		0.38	0.38
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.38	0.38
91-57-6	2-Methylnaphthalene	ND		0.38	0.38
91-20-3	Naphthalene	ND		0.38	0.38
85-01-8	Phenanthrene	ND		0.38	0.38
129-00-0	Pyrene	ND		0.38	0.38
STL00058	C11-C22 Aromatics (unadjusted)	ND		3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	67		40-140
321-60-8	2-Fluorobiphenyl	66		40-140
84-15-1	o-Terphenyl	72		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401947.D		
Lims ID:	360-37832-A-8-B	Client ID:	BC-SO-SB132-1012
Inject. Date:	09-Dec-2011 17:22:52	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	MB 360-84442/1-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	84564	Lims Sample ID:	9
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:37:22

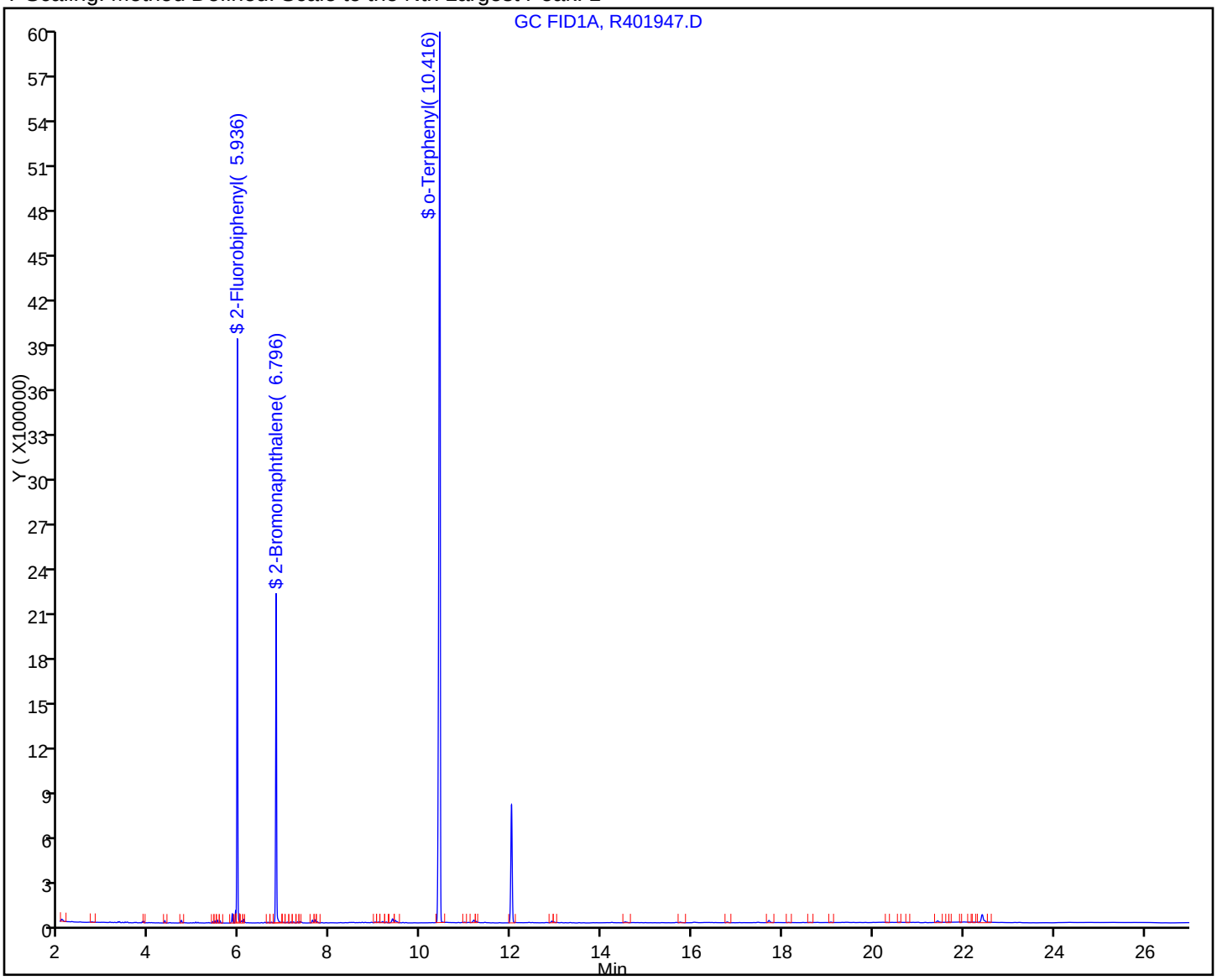
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.936	5.941	-0.005	4666041	32.8	
$ 2 2-Bromonaphthalene						
1	6.796	6.801	-0.005	3135450	33.3	
$ 3 o-Terphenyl						
1	10.416	10.407	0.009	12952159	72.5	
$ 4 1-Chlorooctadecane						
2	13.990	13.984	0.006	10952661	71.4	
A 40 C11-C22 Aromatics						
1	12.796	4.596 - 21.001		5125320	32.9	
S 43 Total EPH						
2					32.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					32.9	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:37:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401947.D
Injection Date: 09-Dec-2011 17:22:52 Limit Group: GC MA EPH
Client ID: BC-SO-SB132-1012 Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 9
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB132-1012 Lab Sample ID: 360-37832-8

Matrix: Solid Lab File ID: R401947.D

Analysis Method: MA-EPH Date Collected: 11/28/2011 12:00

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.05(g) Date Analyzed: 12/09/2011 17:22

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 13.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.8	3.8
STL00087	C19-C36 Aliphatics	ND		3.8	3.8
STL00306	C9-C18 Aliphatics	ND		3.8	3.8
STL00362	Total EPH	ND		3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	71		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401947.D		
Lims ID:	360-37832-A-8-B	Client ID:	BC-SO-SB132-1012
Inject. Date:	09-Dec-2011 17:22:52	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	MB 360-84442/1-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	84564	Lims Sample ID:	9
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:37:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.936	5.941	-0.005	4666041	32.8	
$ 2 2-Bromonaphthalene						
1	6.796	6.801	-0.005	3135450	33.3	
$ 3 o-Terphenyl						
1	10.416	10.407	0.009	12952159	72.5	
$ 4 1-Chlorooctadecane						
2	13.990	13.984	0.006	10952661	71.4	
A 40 C11-C22 Aromatics						
1	12.796	4.596 - 21.001		5125320	32.9	
S 43 Total EPH						
2					32.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					32.9	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

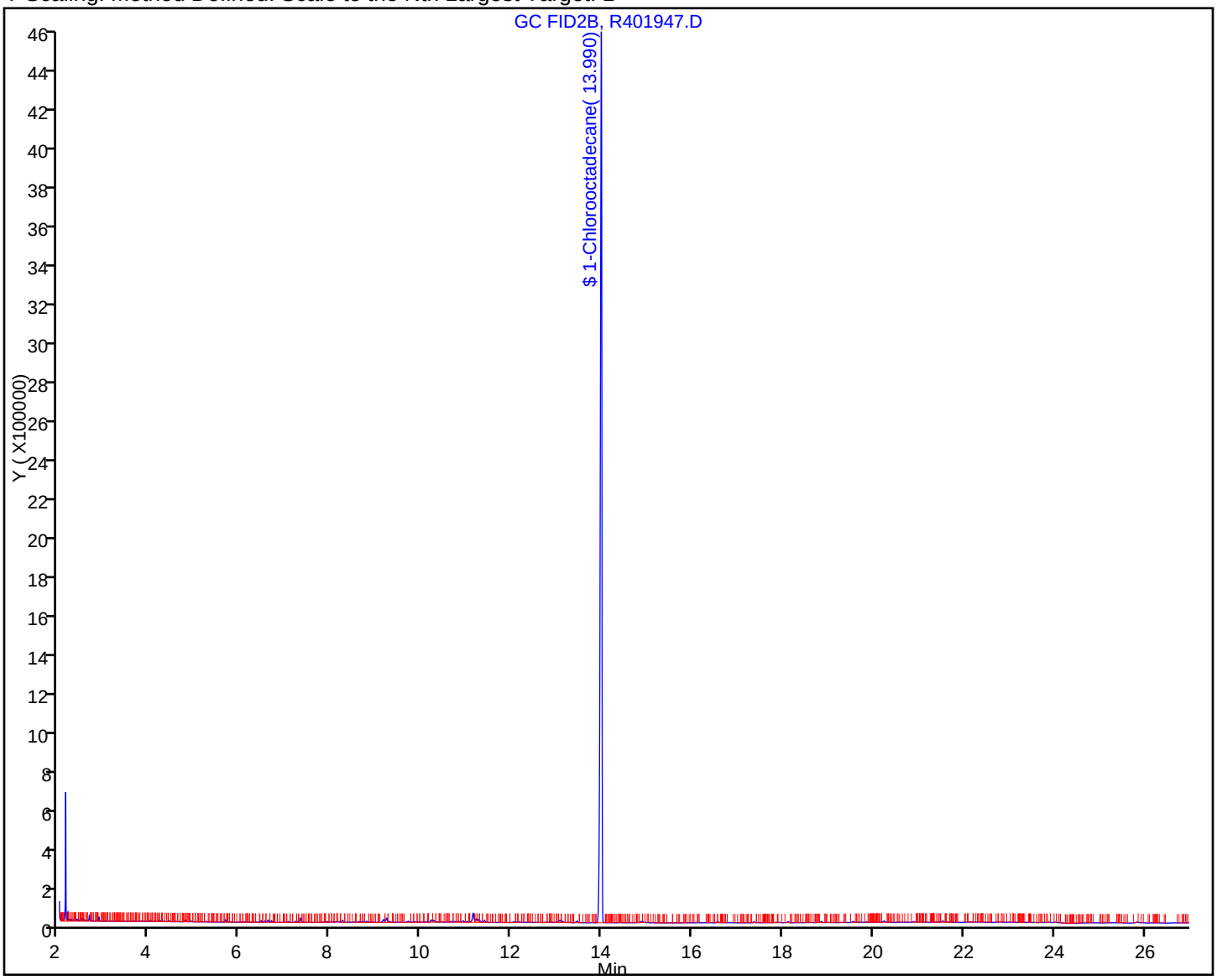
Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:37:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401947.D

Injection Date:	09-Dec-2011 17:22:52	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB132-1012	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	9
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB129-0204 | Lab Sample ID: 360-37832-9

Matrix: Solid | Lab File ID: R401949.D

Analysis Method: MA-EPH | Date Collected: 11/28/2011 10:50

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.66(g) | Date Analyzed: 12/09/2011 17:56

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 5.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.34	0.34
208-96-8	Acenaphthylene	ND		0.34	0.34
120-12-7	Anthracene	ND		0.34	0.34
56-55-3	Benzo[a]anthracene	ND		0.34	0.34
50-32-8	Benzo[a]pyrene	ND		0.34	0.34
205-99-2	Benzo[b]fluoranthene	ND		0.34	0.34
191-24-2	Benzo[g,h,i]perylene	ND		0.34	0.34
207-08-9	Benzo[k]fluoranthene	ND		0.34	0.34
218-01-9	Chrysene	ND		0.34	0.34
53-70-3	Dibenz(a,h)anthracene	ND		0.34	0.34
206-44-0	Fluoranthene	ND		0.34	0.34
86-73-7	Fluorene	ND		0.34	0.34
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.34	0.34
91-57-6	2-Methylnaphthalene	ND		0.34	0.34
91-20-3	Naphthalene	ND		0.34	0.34
85-01-8	Phenanthrene	ND		0.34	0.34
129-00-0	Pyrene	ND		0.34	0.34
STL00058	C11-C22 Aromatics (unadjusted)	ND		3.4	3.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	68		40-140
321-60-8	2-Fluorobiphenyl	67		40-140
84-15-1	o-Terphenyl	68		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401949.D		
Lims ID:	360-37832-A-9-B	Client ID:	BC-SO-SB129-0204
Inject. Date:	09-Dec-2011 17:56:46	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-9-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	84564	Lims Sample ID:	10
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:37:26

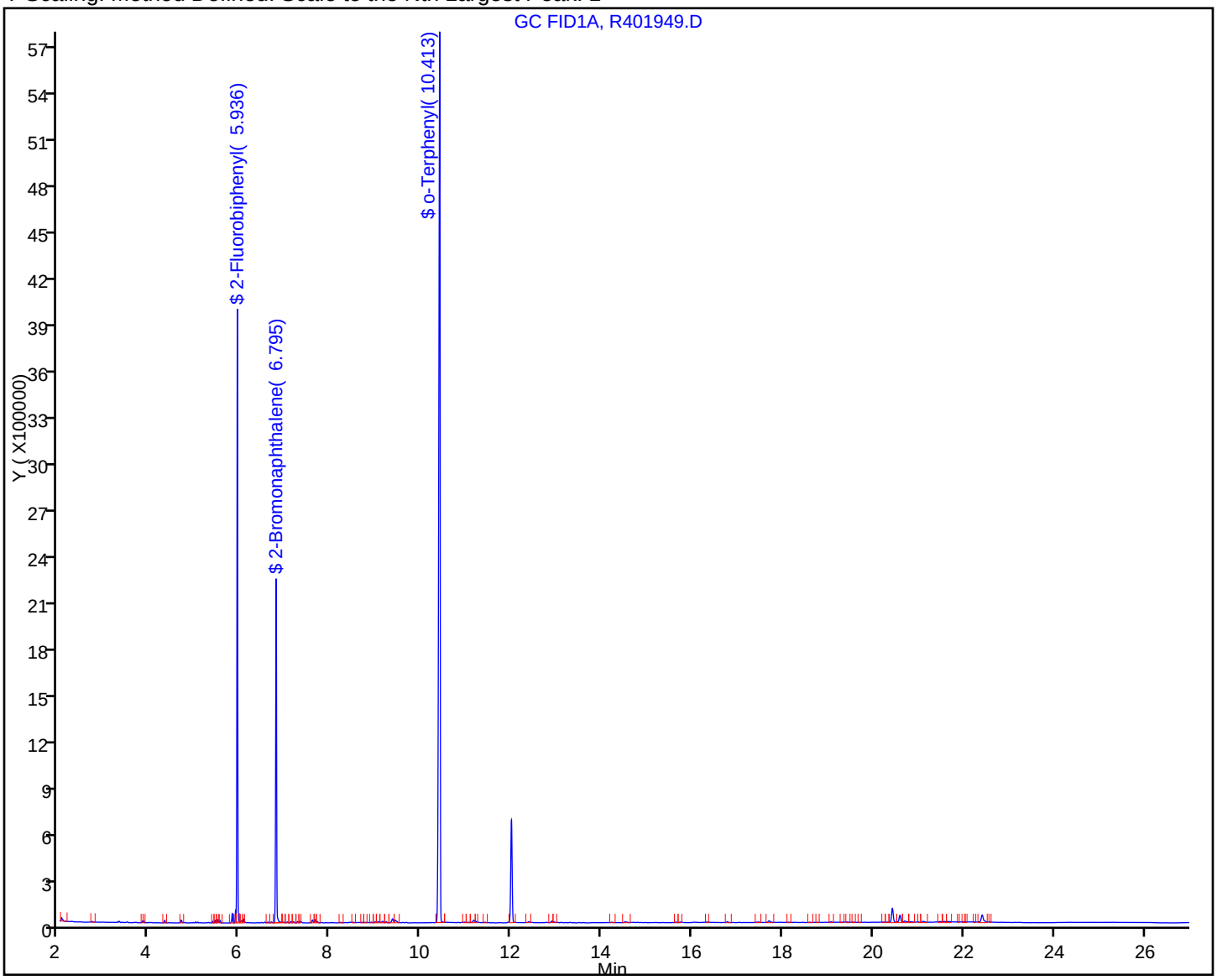
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.936	5.941	-0.005	4764141	33.5	
$ 2 2-Bromonaphthalene						
1	6.795	6.801	-0.006	3199150	34.0	
$ 3 o-Terphenyl						
1	10.413	10.407	0.006	12239033	68.5	
$ 4 1-Chlorooctadecane						
2	13.990	13.984	0.006	10521943	68.6	
A 40 C11-C22 Aromatics						
1	12.799	4.596 - 21.001		5544496	35.6	
S 43 Total EPH						
2					35.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					35.6	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:37:26 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401949.D
Injection Date: 09-Dec-2011 17:56:46 Limit Group: GC MA EPH
Client ID: BC-SO-SB129-0204 Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 10
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB129-0204 Lab Sample ID: 360-37832-9

Matrix: Solid Lab File ID: R401949.D

Analysis Method: MA-EPH Date Collected: 11/28/2011 10:50

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.66(g) Date Analyzed: 12/09/2011 17:56

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 5.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.4	3.4
STL00087	C19-C36 Aliphatics	ND		3.4	3.4
STL00306	C9-C18 Aliphatics	ND		3.4	3.4
STL00362	Total EPH	ND		3.4	3.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	69		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401949.D		
Lims ID:	360-37832-A-9-B	Client ID:	BC-SO-SB129-0204
Inject. Date:	09-Dec-2011 17:56:46	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-9-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	84564	Lims Sample ID:	10
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:37:26

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.936	5.941	-0.005	4764141	33.5	
$ 2 2-Bromonaphthalene						
1	6.795	6.801	-0.006	3199150	34.0	
$ 3 o-Terphenyl						
1	10.413	10.407	0.006	12239033	68.5	
$ 4 1-Chlorooctadecane						
2	13.990	13.984	0.006	10521943	68.6	
A 40 C11-C22 Aromatics						
1	12.799	4.596 - 21.001		5544496	35.6	
S 43 Total EPH						
2					35.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					35.6	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

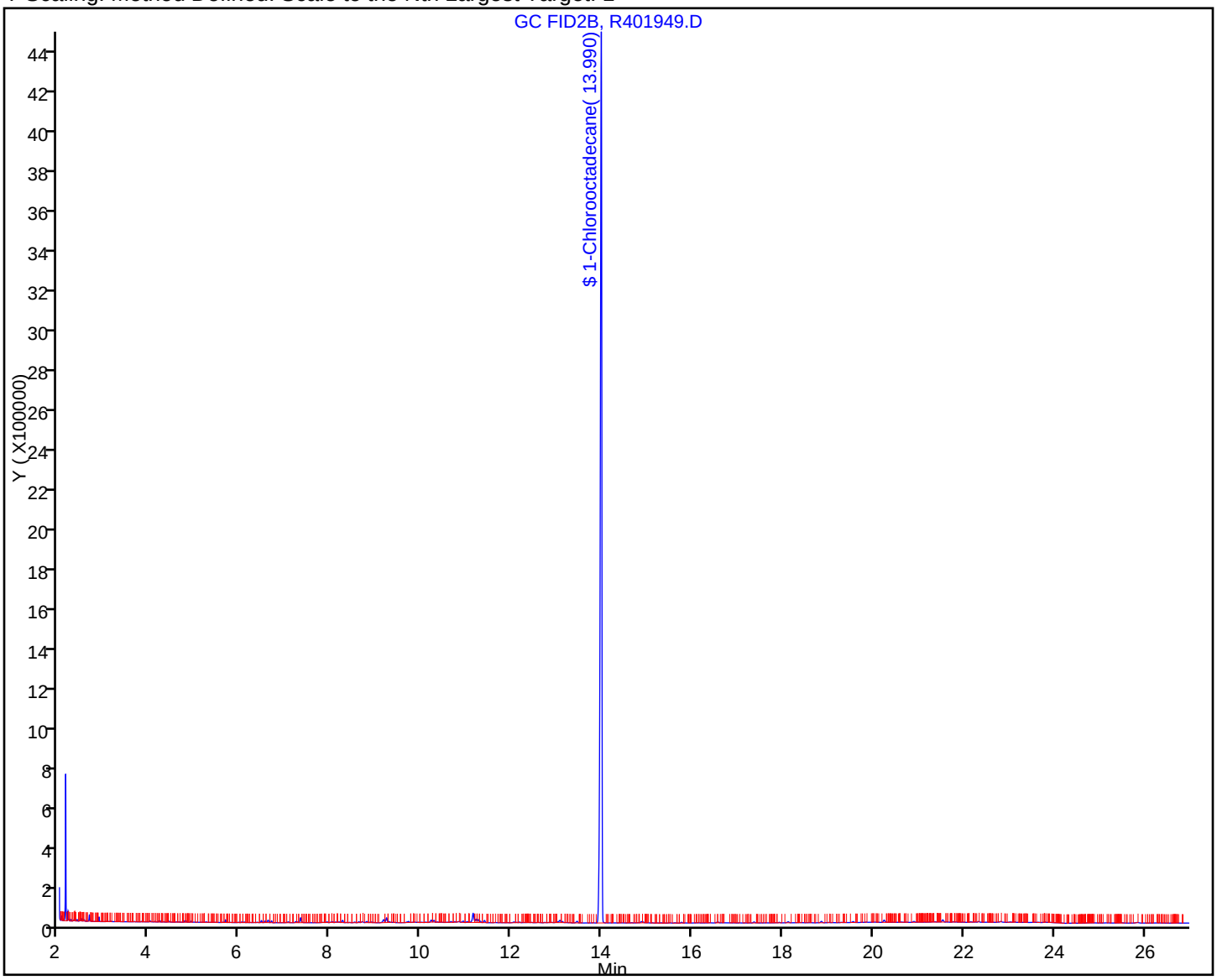
Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:37:26 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401949.D

Injection Date:	09-Dec-2011 17:56:46	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB129-0204	Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	10
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB130-0810 | Lab Sample ID: 360-37832-10

Matrix: Solid | Lab File ID: R401951.D

Analysis Method: MA-EPH | Date Collected: 11/28/2011 10:40

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.17(g) | Date Analyzed: 12/09/2011 18:30

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 12.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.37	0.37
208-96-8	Acenaphthylene	ND		0.37	0.37
120-12-7	Anthracene	ND		0.37	0.37
56-55-3	Benzo[a]anthracene	ND		0.37	0.37
50-32-8	Benzo[a]pyrene	ND		0.37	0.37
205-99-2	Benzo[b]fluoranthene	ND		0.37	0.37
191-24-2	Benzo[g,h,i]perylene	ND		0.37	0.37
207-08-9	Benzo[k]fluoranthene	ND		0.37	0.37
218-01-9	Chrysene	ND		0.37	0.37
53-70-3	Dibenz(a,h)anthracene	ND		0.37	0.37
206-44-0	Fluoranthene	ND		0.37	0.37
86-73-7	Fluorene	ND		0.37	0.37
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.37	0.37
91-57-6	2-Methylnaphthalene	ND		0.37	0.37
91-20-3	Naphthalene	ND		0.37	0.37
85-01-8	Phenanthrene	ND		0.37	0.37
129-00-0	Pyrene	ND		0.37	0.37
STL00058	C11-C22 Aromatics (unadjusted)	ND		3.7	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	71		40-140
321-60-8	2-Fluorobiphenyl	70		40-140
84-15-1	o-Terphenyl	71		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401951.D		
Lims ID:	360-37832-A-10-B	Client ID:	BC-SO-SB130-0810
Inject. Date:	09-Dec-2011 18:30:37	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-10-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	22
Lims Batch ID:	84564	Lims Sample ID:	11
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:37:31

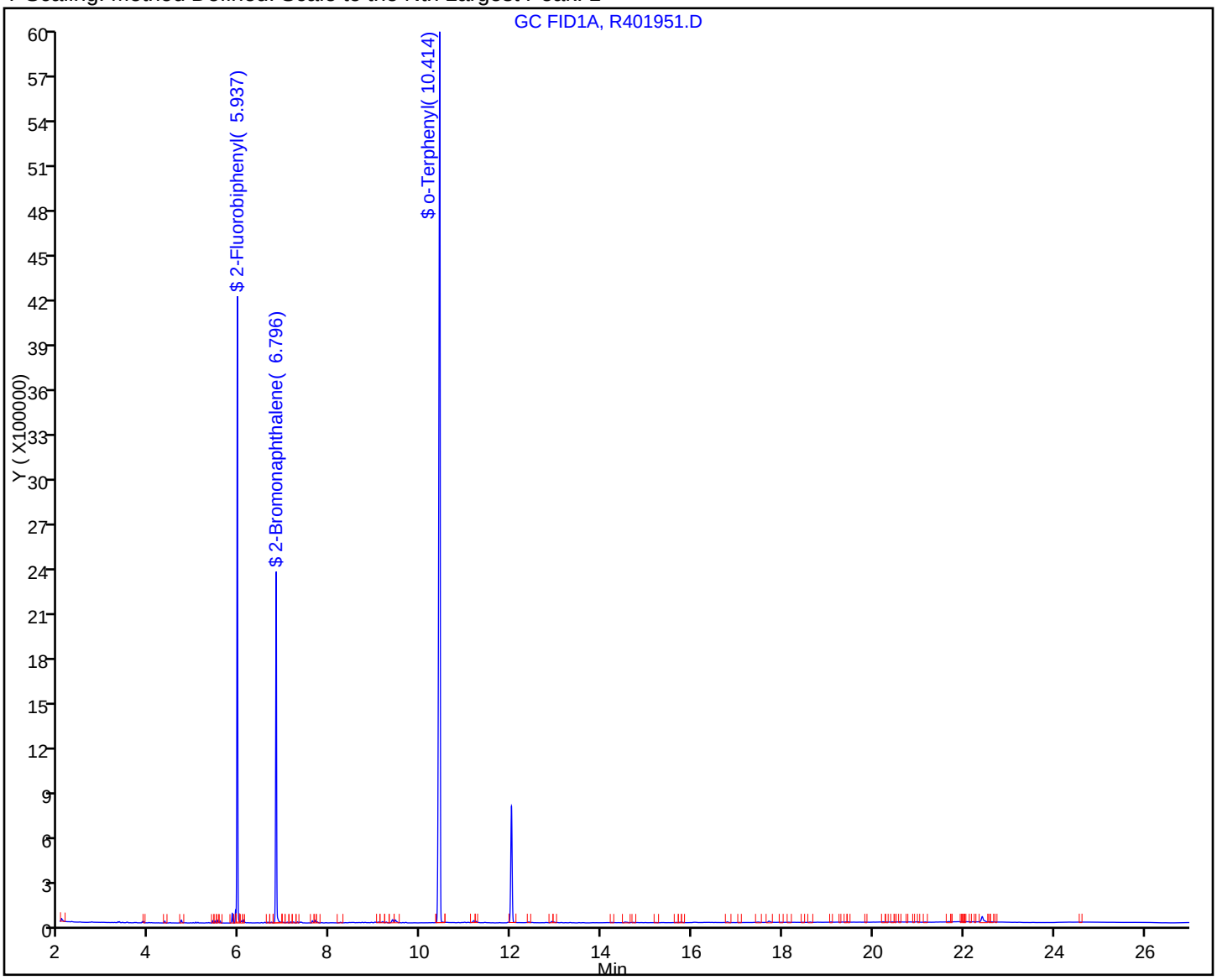
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.941	-0.004	4977723	35.0	
$ 2 2-Bromonaphthalene						
1	6.796	6.801	-0.005	3334109	35.4	
$ 3 o-Terphenyl						
1	10.414	10.407	0.007	12670170	70.9	
$ 4 1-Chlorooctadecane						
2	13.987	13.984	0.003	10304189	67.2	
A 40 C11-C22 Aromatics						
1	12.799	4.596 - 21.001		5571830	35.7	
S 43 Total EPH						
2					35.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					35.7	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:37:31 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401951.D
Injection Date: 09-Dec-2011 18:30:37 Limit Group: GC MA EPH
Client ID: BC-SO-SB130-0810 Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 11
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: BC-SO-SB130-0810 Lab Sample ID: 360-37832-10

Matrix: Solid Lab File ID: R401951.D

Analysis Method: MA-EPH Date Collected: 11/28/2011 10:40

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.17(g) Date Analyzed: 12/09/2011 18:30

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 12.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84564 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.7	3.7
STL00087	C19-C36 Aliphatics	ND		3.7	3.7
STL00306	C9-C18 Aliphatics	ND		3.7	3.7
STL00362	Total EPH	ND		3.7	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	67		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401951.D		
Lims ID:	360-37832-A-10-B	Client ID:	BC-SO-SB130-0810
Inject. Date:	09-Dec-2011 18:30:37	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37832-A-10-B		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	22
Lims Batch ID:	84564	Lims Sample ID:	11
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 10:36:32	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:37:31

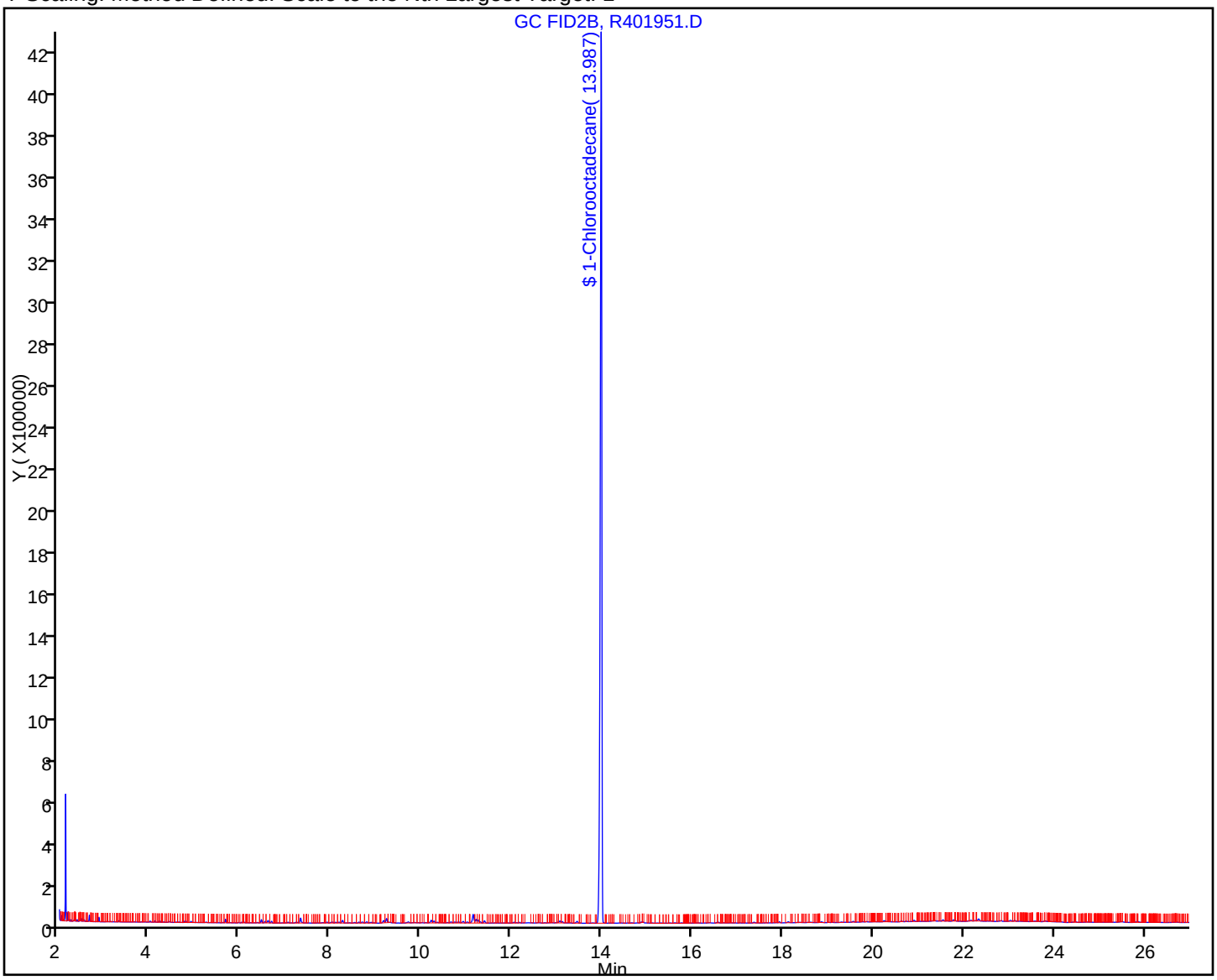
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.941	-0.004	4977723	35.0	
$ 2 2-Bromonaphthalene						
1	6.796	6.801	-0.005	3334109	35.4	
$ 3 o-Terphenyl						
1	10.414	10.407	0.007	12670170	70.9	
$ 4 1-Chlorooctadecane						
2	13.987	13.984	0.003	10304189	67.2	
A 40 C11-C22 Aromatics						
1	12.799	4.596 - 21.001		5571830	35.7	
S 43 Total EPH						
2					35.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					35.7	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 12-Dec-2011 10:37:31 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401951.D
Injection Date: 09-Dec-2011 18:30:37 Limit Group: GC MA EPH
Client ID: BC-SO-SB130-0810 Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 11
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 82885

SDG No.: 360-37832

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16338

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82885/2	R400713.D
Level 2	STD05 360-82885/3	R400715.D
Level 3	STD1 360-82885/4	R400717.D
Level 4	STD5 360-82885/5	R400719.D
Level 5	STD10 360-82885/6	R400721.D
Level 6	STD25 360-82885/7	R400723.D
Level 7	STD50 360-82885/1	R400725.D
Level 8	STD100 360-82885/8	R400727.D
Level 9	STD200 360-82885/9	R400729.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8	LVL 9		RT WINDOW	AVG RT
Naphthalene	4.694	4.694	4.694	4.693	4.694	4.695	4.700	4.707	4.718		4.593 - 4.793	4.699
2-Methylnaphthalene	5.462	5.462	5.461	5.462	5.462	5.465	5.470	5.478	5.490		5.362 - 5.562	5.468
Acenaphthylene	6.604	6.605	6.604	6.606	6.606	6.611	6.618	6.630	6.646		6.506 - 6.706	6.614
Acenaphthene	6.881	6.882	6.881	6.882	6.885	6.889	6.897	6.913	6.934		6.782 - 6.982	6.894
Fluorene	7.695	7.693	7.693	7.693	7.695	7.702	7.711	7.727	7.746		7.593 - 7.793	7.706
Phenanthrene	9.440	9.439	9.438	9.440	9.443	9.450	9.462	9.481	9.505		9.340 - 9.540	9.455
Anthracene	9.531	9.527	9.526	9.527	9.530	9.539	9.554	9.577	9.607		9.427 - 9.627	9.546
Fluoranthene	11.927	11.928	11.926	11.930	11.934	11.943	11.957	11.980	12.010		11.830 - 12.030	11.948
Pyrene	12.388	12.389	12.386	12.390	12.392	12.402	12.420	12.443	12.480		12.290 - 12.490	12.410
C11-C22 Aromatics (unadjusted)				12.793	12.727	12.727	12.771	12.727	12.727		4.593 - 20.861	12.745
Benzo[a]anthracene	15.116	15.114	15.113	15.112	15.120	15.131	15.147	15.174	15.204		15.012 - 15.212	15.137
Chrysene	15.203	15.204	15.198	15.202	15.207	15.224	15.245	15.278	15.322		15.102 - 15.302	15.231
Benzo[b]fluoranthene	17.434	17.430	17.426	17.427	17.439	17.452	17.472	17.499	17.556		17.327 - 17.527	17.459
Benzo[k]fluoranthene	17.473	17.479	17.476	17.477	17.487	17.507	17.534	17.574	17.629		17.377 - 17.577	17.515
Benzo[a]pyrene	18.044	18.044	18.041	18.042	18.049	18.068	18.090	18.131	18.175		17.942 - 18.142	18.076
Indeno[1,2,3-cd]pyrene	20.073	20.072	20.070	20.073	20.083	20.103	20.126	20.184			19.973 - 20.173	20.098
Dibenz(a,h)anthracene	20.141	20.145	20.140	20.145	20.147	20.167	20.196	20.237			20.045 - 20.245	20.165
Benzo[g,h,i]perylene	20.473	20.478	20.476	20.482	20.492	20.513	20.545	20.589	20.655		20.382 - 20.582	20.523
2-Fluorobiphenyl	5.938	5.938	5.936	5.937	5.938	5.939	5.944	5.952	5.963		5.837 - 6.037	5.943
2-Bromonaphthalene	6.797	6.795	6.794	6.795	6.795	6.799	6.805	6.817	6.832		6.695 - 6.895	6.803
o-Terphenyl	10.393	10.392	10.393	10.396	10.397	10.403	10.413	10.429	10.450		10.296 - 10.496	10.407

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 82885

SDG No.: 360-37832

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16338

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82885/2	R400713.D
Level 2	STD05 360-82885/3	R400715.D
Level 3	STD1 360-82885/4	R400717.D
Level 4	STD5 360-82885/5	R400719.D
Level 5	STD10 360-82885/6	R400721.D
Level 6	STD25 360-82885/7	R400723.D
Level 7	STD50 360-82885/1	R400725.D
Level 8	STD100 360-82885/8	R400727.D
Level 9	STD200 360-82885/9	R400729.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
Naphthalene	195320 178010 170096	192268 167988	174008 183379	154389 178245	Ave		177078.309				7.1		25.0			
2-Methylnaphthalene	180000 172361 164497	193712 162502	172711 177539	148988 172230	Ave		171615.598				7.3		25.0			
Acenaphthylene	248370 171571 162370	194922 161615	173931 175708	151274 169985	Ave		178860.637				16.0		25.0			
Acenaphthene	230430 173054 163217	194850 162229	182766 176407	152055 169417	Ave		178269.326				13.0		25.0			
Fluorene	189750 171048 160518	203972 160003	178603 174126	151092 167642	Ave		172972.642				9.4		25.0			
Phenanthrene	214890 162613 156584	172316 151994	160147 166131	142399 162113	Ave		165465.123				12.0		25.0			
Anthracene	320840 164641 150185	187396 150586	169140 163219	145949 159418	Lin1	16645.5480	154304.267							0.9990		0.9900
Fluoranthene	198500 154814 147628	167790 146598	153338 159441	136174 155415	Ave		157744.202				11.0		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 82885

SDG No.: 360-37832

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16338

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
Pyrene	204130 165507 154096	185812 155442	172200 167381	147244 162466	Ave		168253.133				10.0		25.0			
C11-C22 Aromatics (unadjusted)	165354 149103	150530	161143	153323 155865	Ave		155886.469				4.0		25.0			
Benzo[a]anthracene	273830 142780 137552	155216 135955	143301 146717	125667 143481	Lin1	10844.6969	139939.031							0.9990		0.9900
Chrysene	289630 150851 140830	184152 142240	166003 153091	135525 149043	Lin1	15720.3555	144567.259							0.9990		0.9900
Benzo[b]fluoranthene	296250 140117 133227	155652 134327	137895 143539	123388 150912	Lin1	12298.1384	138979.905							0.9970		0.9900
Benzo[k]fluoranthene	805610 143817 129480	193640 135339	170315 148406	129038 135318	Lin1	59282.0875	133118.374							0.9970		0.9900
Benzo[a]pyrene	287350 143262 138566	174510 136360	150008 147937	127088 146508	Lin1	13362.8056	141429.024							0.9990		0.9900
Indeno[1,2,3-cd]pyrene	406980 122976	128954 120585	119076 135963	106423 128581	Lin1	18412.1469	127920.871							0.9970		0.9900
Dibenz(a,h)anthracene	389710 125732	142210 118254	127477 125160	112801 127700	Lin1	20339.9206	124637.399							0.9990		0.9900
Benzo[g,h,i]perylene	410020 121148 125807	129396 117448	119837 127849	106634 125554	Lin1	19530.9232	124718.577							0.9990		0.9900
2-Fluorobiphenyl	182820 138392 136097	149624 130886	136417 143400	120671 142154	Ave		142273.417				12.0		25.0			
2-Bromonaphthalene	117060 94778 90024	95650 88768	90928 95593	82085 92336	Ave		94135.8078				10.0		25.0			
o-Terphenyl	253540 171542 157009	192914 160782	178742 174351	152185 167414	Ave		178719.907				17.0		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 82885

SDG No.: 360-37832

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16338

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82885/2	R400713.D
Level 2	STD05 360-82885/3	R400715.D
Level 3	STD1 360-82885/4	R400717.D
Level 4	STD5 360-82885/5	R400719.D
Level 5	STD10 360-82885/6	R400721.D
Level 6	STD25 360-82885/7	R400723.D
Level 7	STD50 360-82885/1	R400725.D
Level 8	STD100 360-82885/8	R400727.D
Level 9	STD200 360-82885/9	R400729.D

ANALYTE	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
Naphthalene	Ave	19532 4199707	96134 9168968	174008 17824535	771947 34019279	1780100	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Methylnaphthalene	Ave	18000 4062551	96856 8876927	172711 17223002	744942 32899396	1723614	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Acenaphthylene	Ave	24837 4040368	97461 8785393	173931 16998474	756372 32474003	1715710	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Acenaphthene	Ave	23043 4055729	97425 8820338	182766 16941685	760273 32643392	1730536	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Fluorene	Ave	18975 4000063	101986 8706313	178603 16764188	755459 32103683	1710479	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Phenanthrene	Ave	21489 3799841	86158 8306539	160147 16211326	711995 31316706	1626129	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Anthracene	Lin1	32084 3764648	93698 8160943	169140 15941768	729745 30036930	1646405	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Fluoranthene	Ave	19850 3664943	83895 7972047	153338 15541500	680868 29525692	1548141	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Pyrene	Ave	20413 3886049	92906 8369046	172200 16246645	736222 30819194	1655065	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C11-C22 Aromatics (unadjusted)	Ave	 63975201	 136971940	 264970279	13032461 506951589	28110201	 425	 850	 1700	85.0 3400	170
Benzo[a]anthracene	Lin1	27383 3398887	77608 7335836	143301 14348101	628333 27510479	1427799	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Chrysene	Lin1	28963 3556001	92076 7654542	166003 14904263	677626 28166036	1508512	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Benzo[b]fluoranthene	Lin1	29625 3358183	77826 7176927	137895 15091168	616939 26645481	1401170	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Benzo[k]fluoranthene	Lin1	80561 3383480	96820 7420303	170315 13531770	645189 25896085	1438171	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 82885

SDG No.: 360-37832

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16338

ANALYTE	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]pyrene	Lin1	28735 3408988	87255 7396842	150008 14650836	635440 27713144	1432623	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Indeno[1,2,3-cd]pyrene	Lin1	40698 3014627	64477 6798127	119076 12858055	532116	1229760	0.100 25.0	0.500 50.0	1.00 100	5.00	10.0
Dibenz(a,h)anthracene	Lin1	38971 2956340	71105 6258006	127477 12770021	564005	1257320	0.100 25.0	0.500 50.0	1.00 100	5.00	10.0
Benzo[g,h,i]perylene	Lin1	41002 2936197	64698 6392453	119837 12555380	533172 25161350	1211484	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Fluorobiphenyl	Ave	18282 3272150	74812 7170019	136417 14215423	603355 27219328	1383915	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Bromonaphthalene	Ave	11706 2219193	47825 4779655	90928 9233617	410427 18004776	947780	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
o-Terphenyl	Ave	25354 4019543	96457 8717574	178742 16741411	760924 31401850	1715418	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D		
Lims ID:	std50	Client ID:	
Inject. Date:	04-Nov-2011 18:55:49	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	7
Sample ID:	std50		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	82885	Lims Sample ID:	1
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:40:24	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.944	5.944	0.000	7170019	53.5	
$ 2 2-Bromonaphthalene						
1	6.805	6.805	0.000	4779655	53.9	
$ 3 o-Terphenyl						
1	10.413	10.413	0.000	8717574	48.8	
$ 4 1-Chlorooctadecane						
2	13.993	13.993	0.000	7669384	50.0	
5 n-Nonane						
2	3.322	3.322	0.000	9295434	51.7	
6 n-Decane						
2	4.127	4.127	0.000	9560336	48.1	
7 Naphthalene						
1	4.700	4.700	0.000	9168968	51.8	
8 2-Methylnaphthalene						
1	5.470	5.470	0.000	8876927	51.7	
9 Dodecane						
2	5.687	5.687	0.000	9558276	50.6	
11 Acenaphthylene						
1	6.618	6.618	0.000	8785393	49.1	
12 Acenaphthene						
1	6.897	6.897	0.000	8820338	49.5	
15 n-Tetradecane						
2	7.350	7.350	0.000	9323243	51.8	
14 Fluorene						
1	7.711	7.711	0.000	8706313	50.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.255	9.255	0.000	9268169	50.4	
16 Phenanthrene						
1	9.462	9.462	0.000	8306539	50.2	
17 Anthracene						
1	9.554	9.554	0.000	8160943	52.8	
20 n-Octadecane						
2	11.235	11.235	0.000	9137355	50.1	
19 Fluoranthene						
1	11.957	11.957	0.000	7972047	50.5	
22 C19						
2	12.205	12.205	0.000	9005170	50.8	
21 Pyrene						
1	12.420	12.420	0.000	8369046	49.7	
23 icosane						
2	13.148	13.148	0.000	8914211	50.7	
27 n-Docosane						
2	14.942	14.942	0.000	8687987	49.5	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	7335836	52.3	
25 Chrysene						
1	15.245	15.245	0.000	7654542	52.8	
28 n-Tetracosane						
2	16.607	16.607	0.000	8722666	48.9	
29 Benzo[b]fluoranthene						
1	17.472	17.472	0.000	7176927	51.6	
30 Benzo[k]fluoranthene						
1	17.534	17.534	0.000	7420303	55.3	
31 Benzo[a]pyrene						
1	18.090	18.090	0.000	7396842	52.2	
32 n-Hexacosane						
2	18.155	18.155	0.000	8918317	52.7	
35 n-Octacosane						
2	19.592	19.592	0.000	8891374	51.8	
33 Indeno[1,2,3-cd]pyrene						
1	20.126	20.126	0.000	6798127	53.0	
34 Dibenz(a,h)anthracene						
1	20.196	20.196	0.000	6258006	50.0	
36 Benzo[g,h,i]perylene						
1	20.545	20.545	0.000	6392453	51.1	
37 Triacontane						
2	20.937	20.937	0.000	8886731	48.8	
38 n-Hexatriacontane						M
2	25.541	25.541	0.000	6932405	45.5	M
A 39 C9-C18 Aliphatics						
2	7.278	3.222 - 11.335		68546958	330.5	
A 40 C11-C22 Aromatics						
1	12.771	4.600 - 20.986		136971940	879.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.564	11.335	-25.742	75594611	418.9	
S 44 EPH Adjustment 1						
1					771.0	
S 42 C11-C22 Aromatics (Adjusted)						
2					107.6	
S 43 Total EPH						
2					857.0	

QC Flag Legend

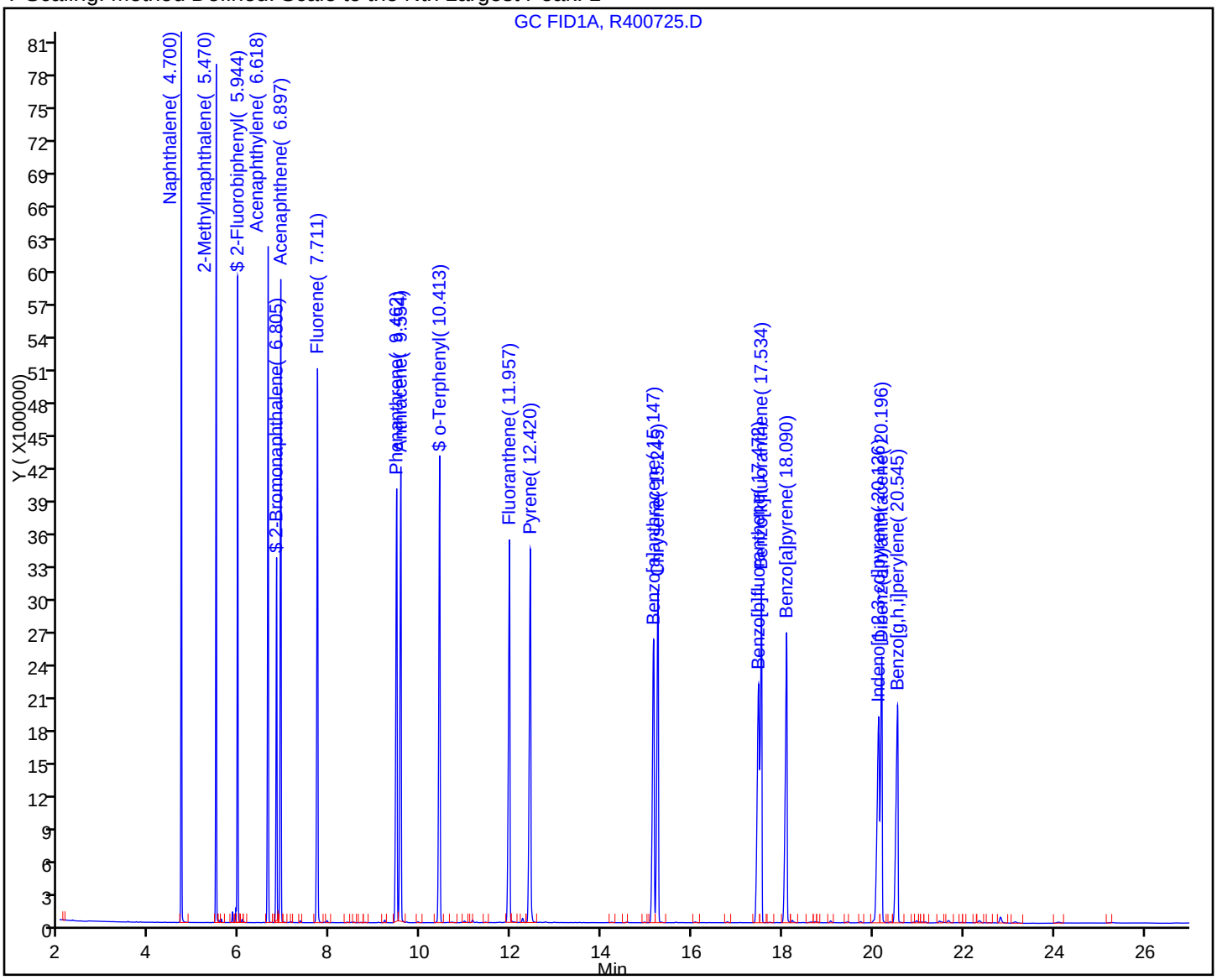
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:40:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D

Injection Date:	04-Nov-2011 18:55:49	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	1
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Lims ID:	std01	Client ID:	
Inject. Date:	04-Nov-2011 15:33:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	std01		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	82885	Lims Sample ID:	2
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:38:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	18282	0.1781	
$ 2 2-Bromonaphthalene						
1	6.797	6.807	-0.010	11706	0.1714	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	25354	0.1419	
$ 4 1-Chlorooctadecane						
2	13.977	13.989	-0.012	19177	0.1251	
5 n-Nonane						
2	3.315	3.320	-0.005	45689	0.1185	
6 n-Decane						
2	4.118	4.125	-0.007	27503	0.1384	
7 Naphthalene						
1	4.694	4.701	-0.007	19532	0.1103	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	18000	0.1049	
9 Dodecane						M
2	5.681	5.685	-0.004	21402	0.1132	M
11 Acenaphthylene						
1	6.604	6.620	-0.016	24837	0.1389	
12 Acenaphthene						
1	6.881	6.900	-0.019	23043	0.1293	
15 n-Tetradecane						
2	7.340	7.345	-0.005	28868	0.1025	
14 Fluorene						
1	7.695	7.711	-0.016	18975	0.1097	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	21924	0.1192	
16 Phenanthrene						
1	9.440	9.463	-0.023	21489	0.1299	
17 Anthracene						
1	9.531	9.555	-0.024	32084	0.1001	
20 n-Octadecane						
2	11.223	11.231	-0.008	22544	0.1236	
19 Fluoranthene						
1	11.927	11.959	-0.032	19850	0.1258	
22 C19						
2	12.189	12.202	-0.013	20605	0.1162	
21 Pyrene						
1	12.388	12.421	-0.033	20413	0.1213	
23 icosane						
2	13.133	13.145	-0.012	22148	0.1260	
27 n-Docosane						
2	14.928	14.940	-0.012	21473	0.1223	
24 Benzo[a]anthracene						
1	15.116	15.147	-0.031	27383	0.1182	
25 Chrysene						
1	15.203	15.245	-0.042	28963	0.0916	
28 n-Tetracosane						
2	16.593	16.605	-0.012	23228	0.1303	
29 Benzo[b]fluoranthene						
1	17.434	17.471	-0.037	29625	0.1247	
30 Benzo[k]fluoranthene						
1	17.473	17.537	-0.064	80561	0.1598	
31 Benzo[a]pyrene						
1	18.044	18.091	-0.047	28735	0.1087	
32 n-Hexacosane						
2	18.139	18.150	-0.011	32897	0.0964	
35 n-Octacosane						
2	19.577	19.586	-0.009	29834	0.1027	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.124	-0.051	40698	0.1742	
34 Dibenz(a,h)anthracene						
1	20.141	20.237	-0.096	38971	0.1495	
36 Benzo[g,h,i]perylene						
1	20.473	20.473	0.000	41002	0.1722	
37 Triacontane						
2	20.919	20.932	-0.013	24973	0.1370	
38 n-Hexatriacontane						M
2	25.486	25.525	-0.039	18444	0.1210	M
S 43 Total EPH						
2					-1.85	
S 42 C11-C22 Aromatics (Adjusted)						
2					1.85	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					1.85	

QC Flag Legend

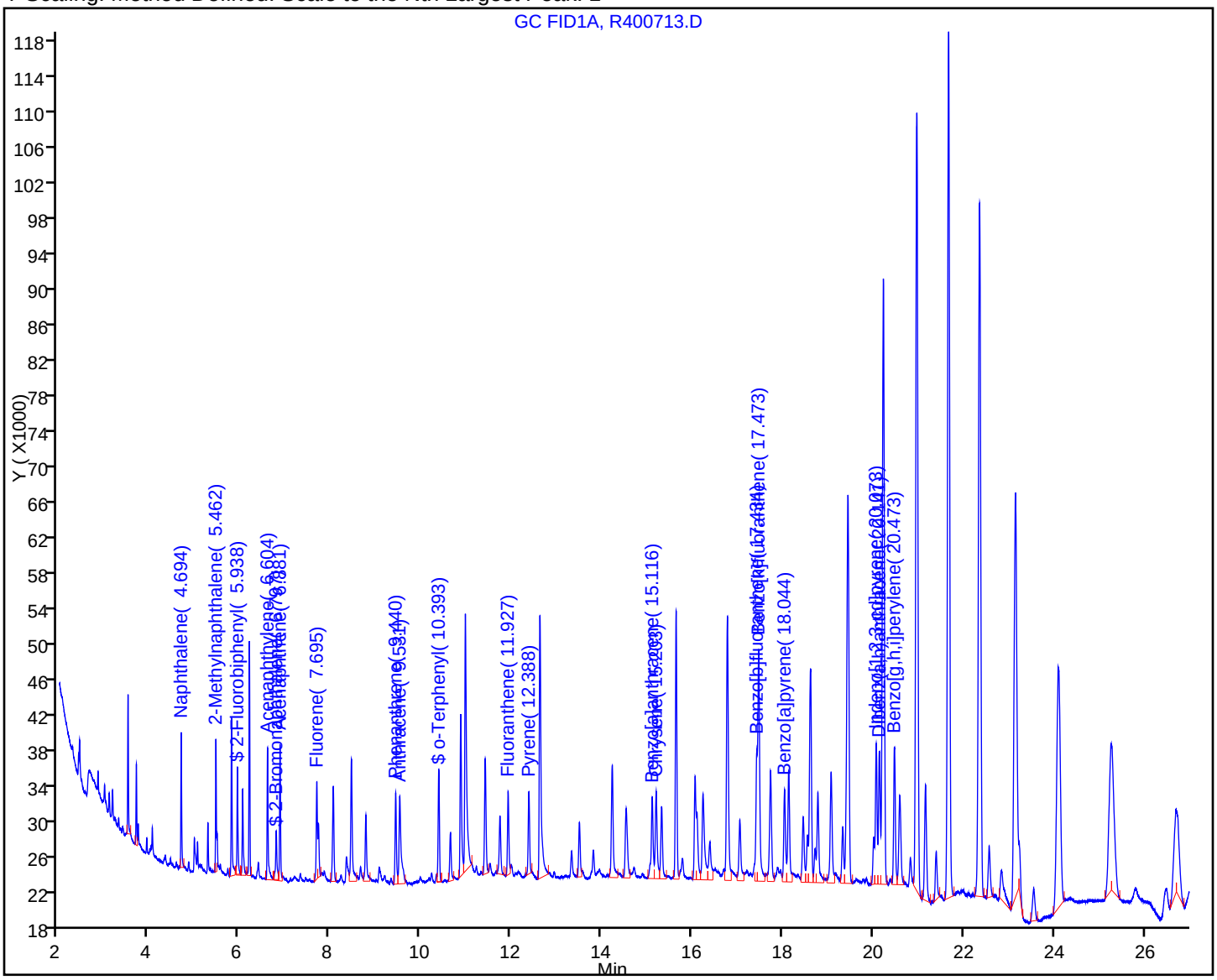
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:38:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D

Injection Date:	04-Nov-2011 15:33:45	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D
Lims ID: std05 Client ID:
Inject. Date: 04-Nov-2011 16:07:32 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: std05
Misc. Info.:
Operator: CT Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 82885 Lims Sample ID: 3
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m
Last Update: 08-Nov-2011 10:39:21 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS03

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:21

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	74812	0.6280	
$ 2 2-Bromonaphthalene						
1	6.795	6.807	-0.012	47825	0.6068	
$ 3 o-Terphenyl						
1	10.392	10.414	-0.022	96457	0.5397	
$ 4 1-Chlorooctadecane						
2	13.980	13.989	-0.009	66681	0.4348	
5 n-Nonane						
2	3.316	3.320	-0.004	94503	0.3909	
6 n-Decane						
2	4.119	4.125	-0.006	88951	0.4476	
7 Naphthalene						
1	4.694	4.701	-0.007	96134	0.5429	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	96856	0.5644	
9 Dodecane						M
2	5.681	5.685	-0.004	81949	0.4335	M
11 Acenaphthylene						
1	6.605	6.620	-0.015	97461	0.5449	
12 Acenaphthene						
1	6.882	6.900	-0.018	97425	0.5465	
15 n-Tetradecane						
2	7.344	7.345	-0.001	86676	0.4241	
14 Fluorene						
1	7.693	7.711	-0.018	101986	0.5896	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	79421	0.4318	
16 Phenanthrene						
1	9.439	9.463	-0.024	86158	0.5207	
17 Anthracene						
1	9.527	9.555	-0.028	93698	0.4994	
20 n-Octadecane						
2	11.225	11.231	-0.006	79063	0.4335	
19 Fluoranthene						
1	11.928	11.959	-0.031	83895	0.5318	
22 C19						
2	12.192	12.202	-0.010	76763	0.4328	
21 Pyrene						
1	12.389	12.421	-0.032	92906	0.5522	
23 icosane						
2	13.135	13.145	-0.010	76021	0.4324	
27 n-Docosane						
2	14.930	14.940	-0.010	77725	0.4427	
24 Benzo[a]anthracene						
1	15.114	15.147	-0.033	77608	0.4771	
25 Chrysene						
1	15.204	15.245	-0.041	92076	0.5282	
28 n-Tetracosane						
2	16.593	16.605	-0.012	77831	0.4365	
29 Benzo[b]fluoranthene						
1	17.430	17.471	-0.041	77826	0.4715	
30 Benzo[k]fluoranthene						
1	17.479	17.537	-0.058	96820	0.2820	
31 Benzo[a]pyrene						M
1	18.044	18.091	-0.047	87255	0.5225	M
32 n-Hexacosane						
2	18.139	18.150	-0.011	84479	0.4019	
35 n-Octacosane						
2	19.575	19.586	-0.011	82434	0.4095	
33 Indeno[1,2,3-cd]pyrene						
1	20.072	20.124	-0.052	64477	0.3601	
34 Dibenz(a,h)anthracene						M
1	20.145	20.237	-0.092	71105	0.4073	M
36 Benzo[g,h,i]perylene						
1	20.478	20.473	0.005	64698	0.3622	
37 Triacontane						
2	20.916	20.932	-0.016	77925	0.4275	
38 n-Hexatriacontane						
2	25.515	25.525	-0.010	80420	0.5274	
S 44 EPH Adjustment 1						
1					7.54	
S 42 C11-C22 Aromatics (Adjusted)						
2					7.54	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 43 Total EPH						
2					-7.54	

QC Flag Legend

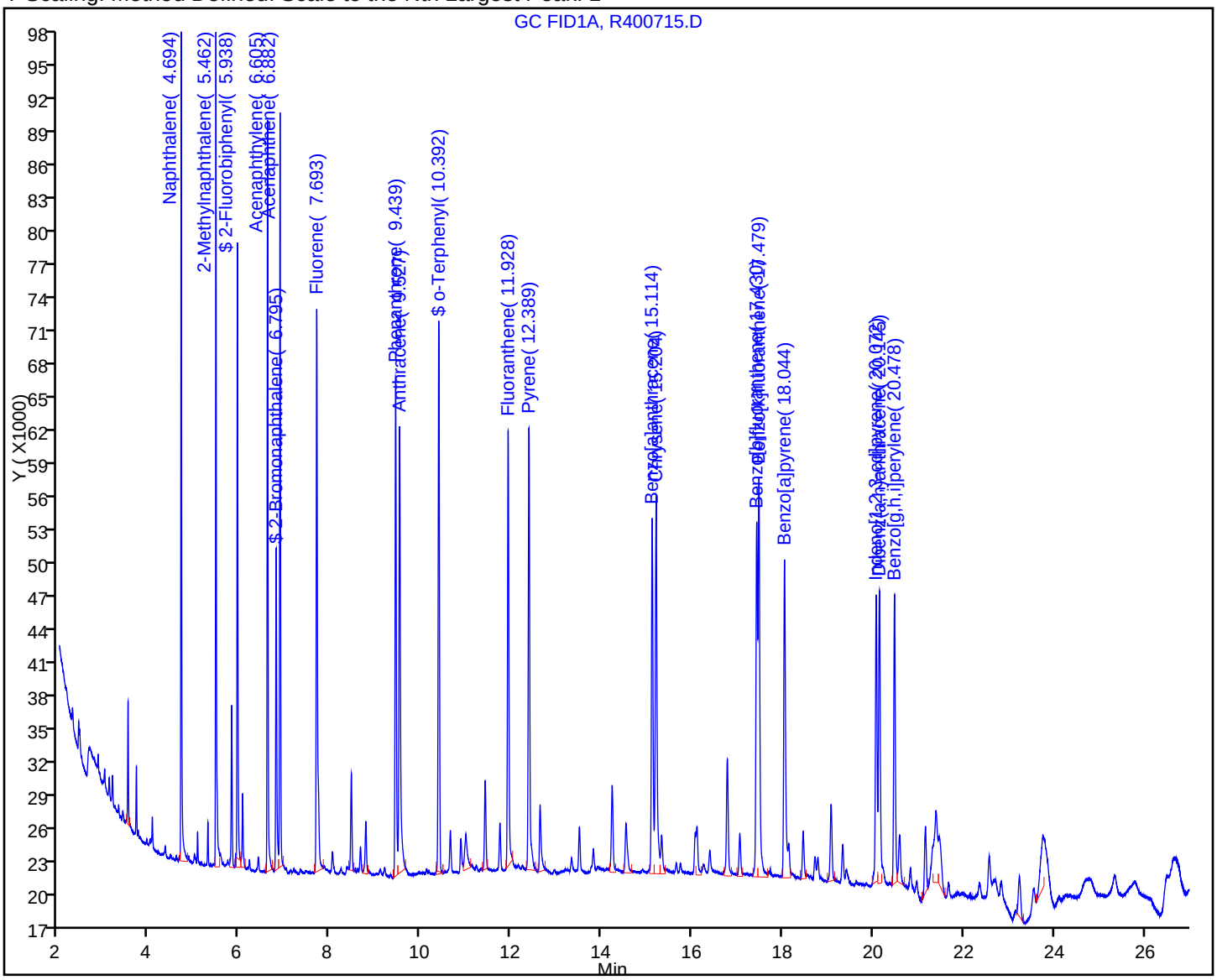
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D

Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Report Date: 08-Nov-2011 10:39:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

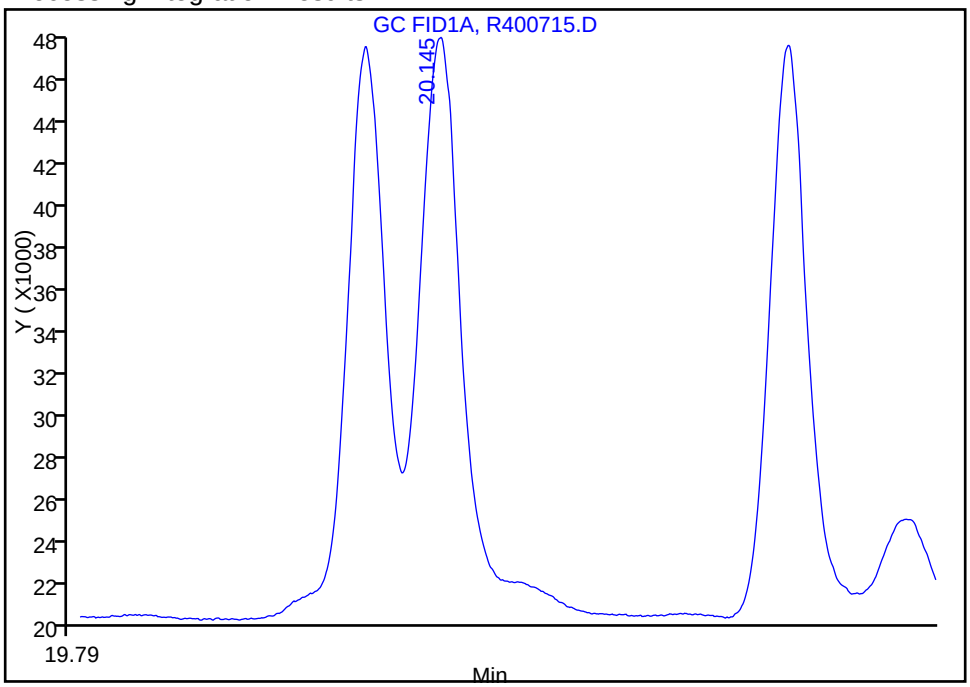
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 20.24, Det: GC FID1A

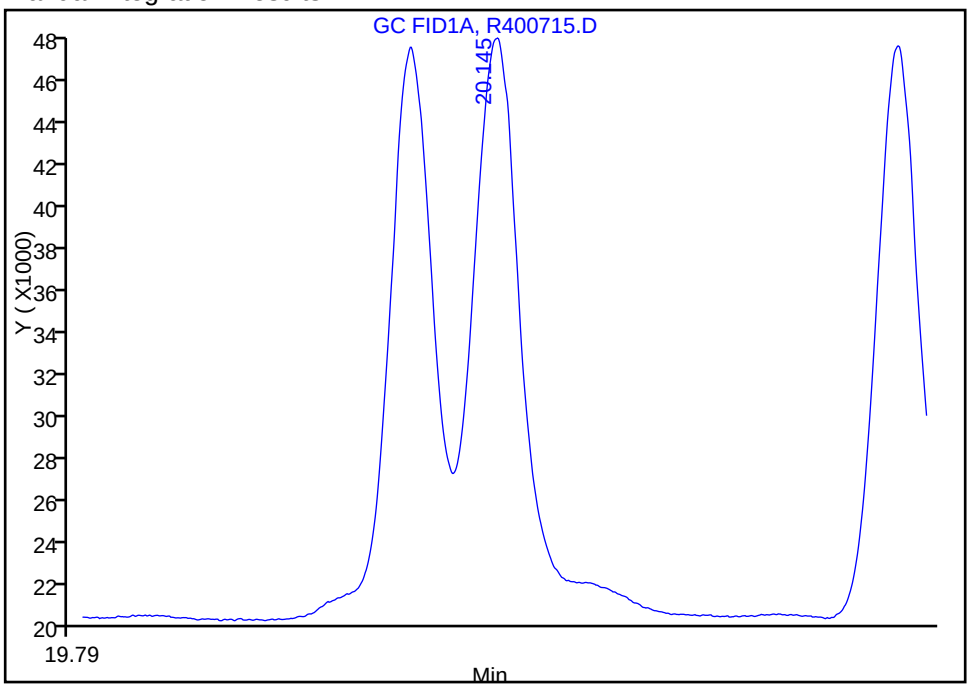
Processing Integration Results

RT: 20.14
Response: 75585
Amount: 1.160028



Manual Integration Results

RT: 20.14
Response: 71105
Amount: 0.407302



Reviewer: malanowskiv, 08-Nov-2011 10:07:06
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:39:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

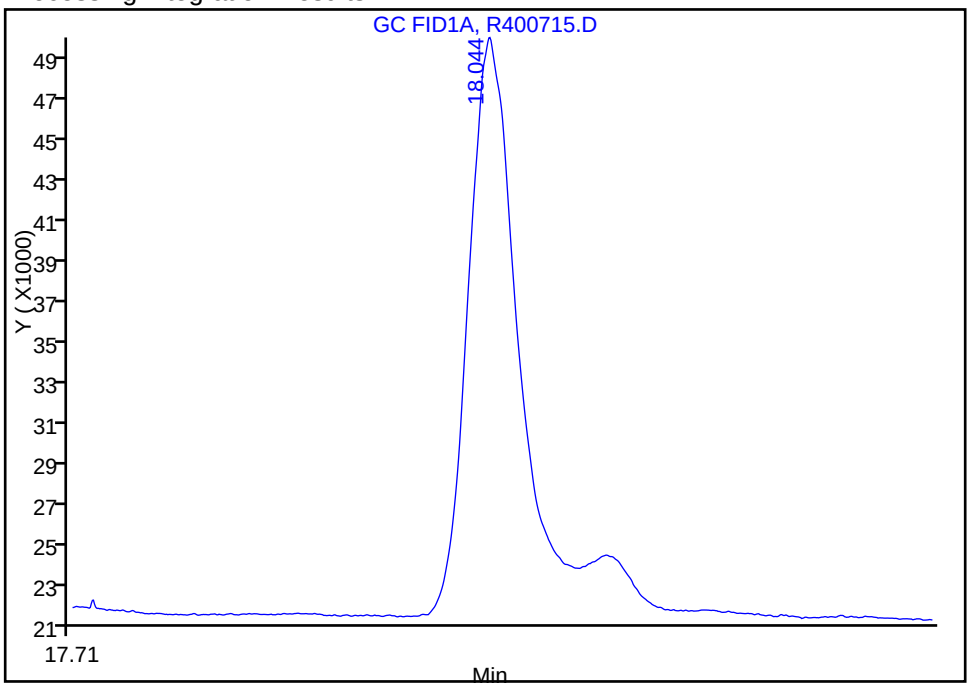
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 18.09, Det: GC FID1A

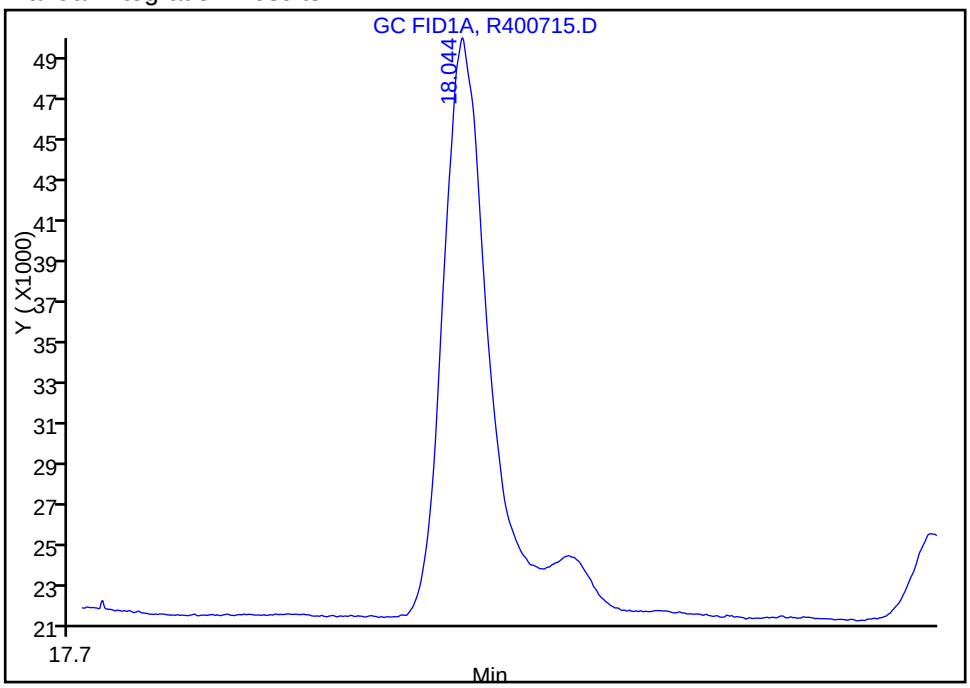
Processing Integration Results

RT: 18.04
Response: 79261
Amount: 0.470187



Manual Integration Results

RT: 18.04
Response: 87255
Amount: 0.522468



Reviewer: malanowskiv, 06-Nov-2011 12:18:05
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Lims ID:	std1	Client ID:	
Inject. Date:	04-Nov-2011 16:41:15	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	std1		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	82885	Lims Sample ID:	4
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:43	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:30

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.936	5.946	-0.010	136417	1.02	
$ 2 2-Bromonaphthalene						
1	6.794	6.807	-0.013	90928	1.02	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	178742	1.00	
$ 4 1-Chlorooctadecane						
2	13.979	13.989	-0.010	157720	1.03	
5 n-Nonane						
2	3.316	3.320	-0.004	191340	0.9313	
6 n-Decane						
2	4.120	4.125	-0.005	198910	1.00	
7 Naphthalene						
1	4.694	4.701	-0.007	174008	0.9827	
8 2-Methylnaphthalene						
1	5.461	5.471	-0.010	172711	1.01	
9 Dodecane						
2	5.681	5.685	-0.004	193561	1.02	
11 Acenaphthylene						
1	6.604	6.620	-0.016	173931	0.9724	
12 Acenaphthene						
1	6.881	6.900	-0.019	182766	1.03	
15 n-Tetradecane						
2	7.341	7.345	-0.004	195113	1.03	
14 Fluorene						
1	7.693	7.711	-0.018	178603	1.03	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.245	9.253	-0.008	188032	1.02	
16 Phenanthrene						
1	9.438	9.463	-0.025	160147	0.9679	
17 Anthracene						
1	9.526	9.555	-0.029	169140	0.9883	
20 n-Octadecane						
2	11.221	11.231	-0.010	186018	1.02	
19 Fluoranthene						
1	11.926	11.959	-0.033	153338	0.9721	
22 C19						
2	12.191	12.202	-0.011	181606	1.02	
21 Pyrene						
1	12.386	12.421	-0.035	172200	1.02	
23 icosane						
2	13.133	13.145	-0.012	179530	1.02	
27 n-Docosane						
2	14.925	14.940	-0.015	181581	1.03	
24 Benzo[a]anthracene						
1	15.113	15.147	-0.034	143301	0.9465	
25 Chrysene						
1	15.198	15.245	-0.047	166003	1.04	
28 n-Tetracosane						
2	16.591	16.605	-0.014	185952	1.04	
29 Benzo[b]fluoranthene						
1	17.426	17.471	-0.045	137895	0.9037	
30 Benzo[k]fluoranthene						
1	17.476	17.537	-0.061	170315	0.8341	
31 Benzo[a]pyrene						M
1	18.041	18.091	-0.050	150008	0.9662	M
32 n-Hexacosane						
2	18.134	18.150	-0.016	196881	1.07	
35 n-Octacosane						
2	19.576	19.586	-0.010	195174	1.07	
33 Indeno[1,2,3-cd]pyrene						
1	20.070	20.124	-0.054	119076	0.7869	
34 Dibenz(a,h)anthracene						M
1	20.140	20.237	-0.097	127477	0.8596	M
36 Benzo[g,h,i]perylene						
1	20.476	20.473	0.003	119837	0.8043	
37 Triacontane						
2	20.914	20.932	-0.018	186927	1.03	
38 n-Hexatriacontane						
2	25.510	25.525	-0.015	158822	1.04	
S 43 Total EPH						
2					-14.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					14.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					14.5	

QC Flag Legend

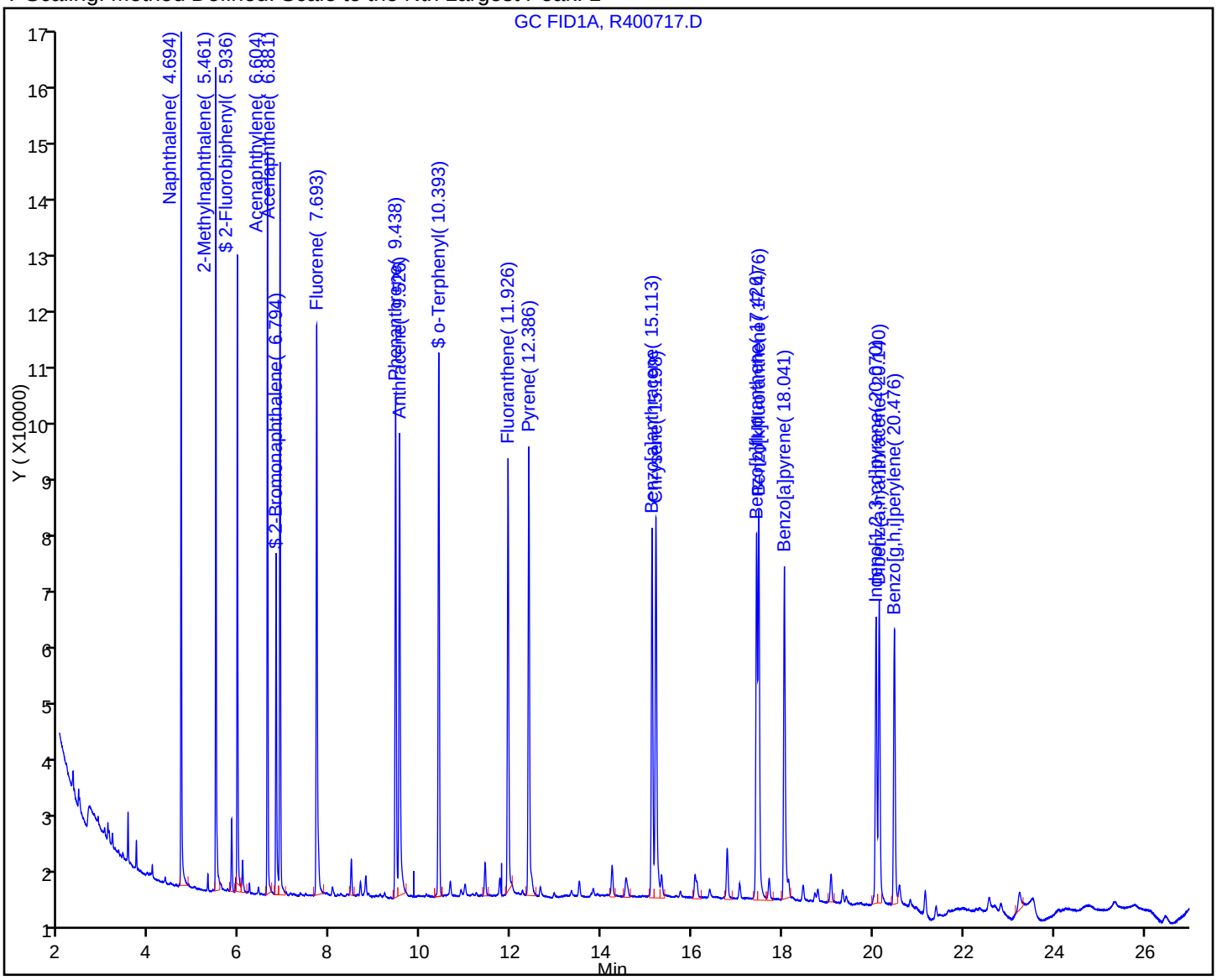
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D

Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Report Date: 08-Nov-2011 10:39:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02

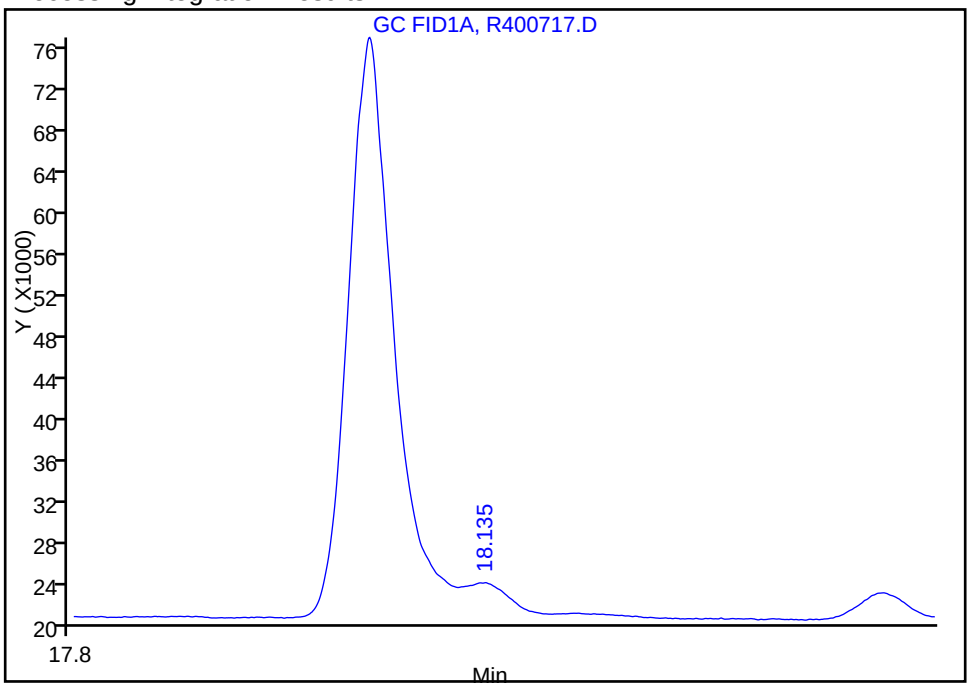
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 18.09, Det: GC FID1A

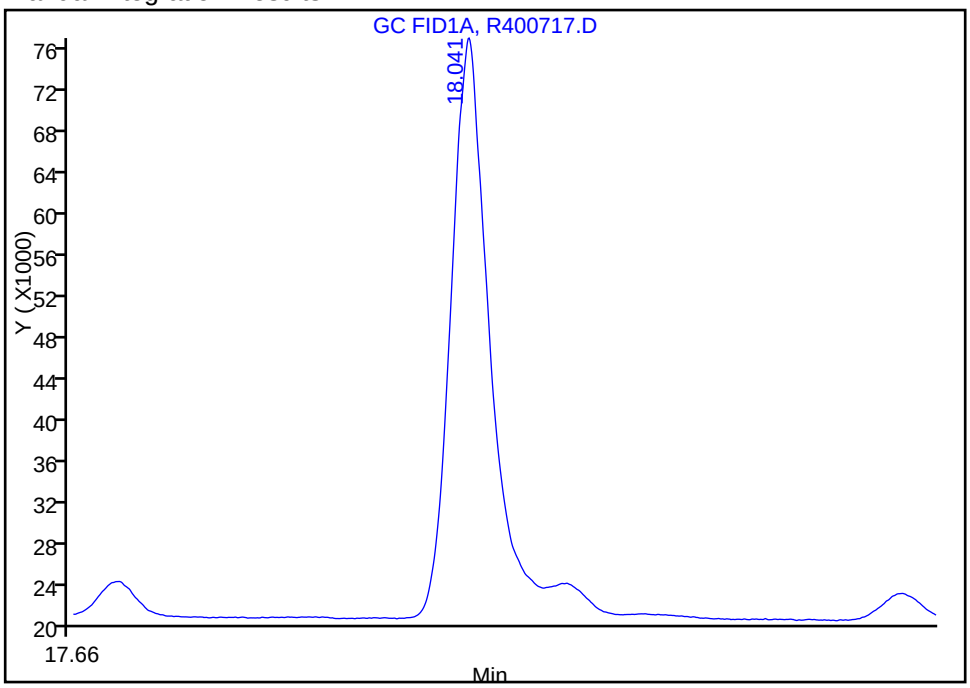
Processing Integration Results

RT: 18.13
Response: 10022
Amount: 0.315085



Manual Integration Results

RT: 18.04
Response: 150008
Amount: 0.966175



Reviewer: malanowskiv, 06-Nov-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:39:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02

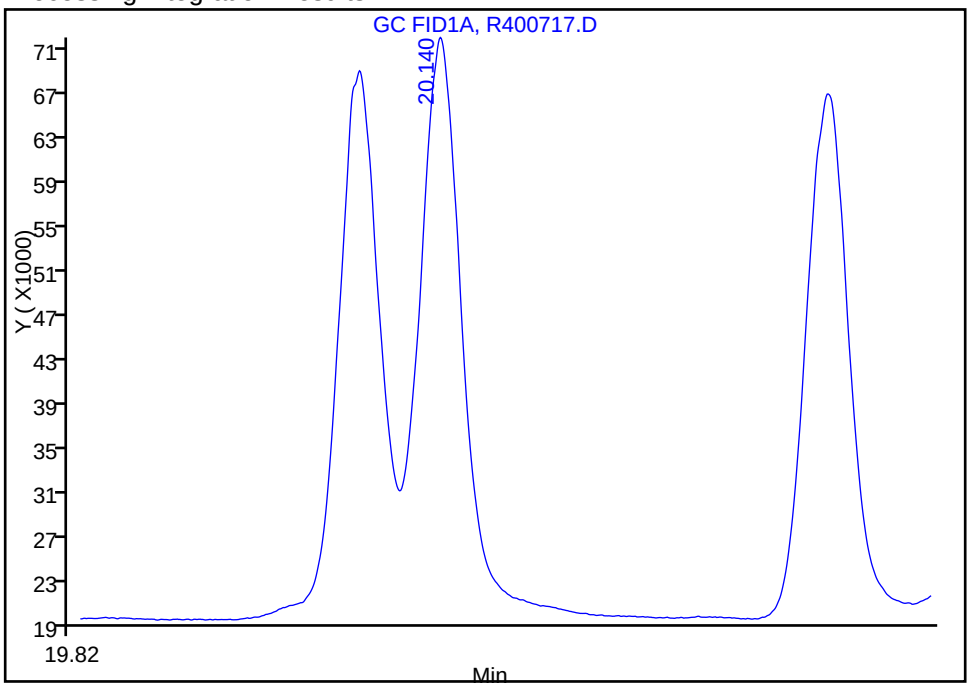
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 20.24, Det: GC FID1A

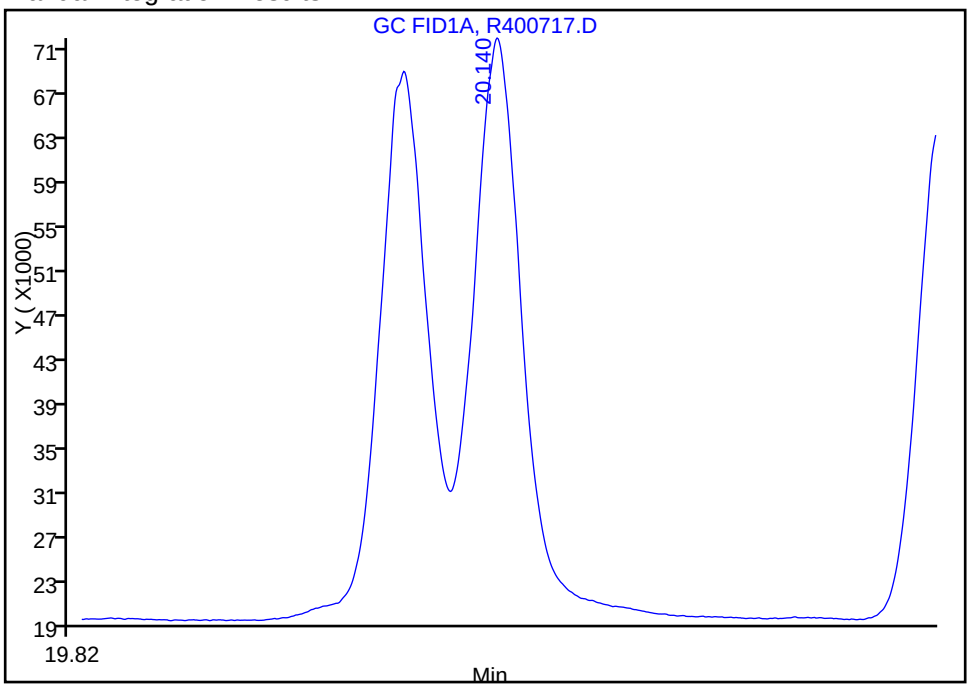
Processing Integration Results

RT: 20.14
Response: 131847
Amount: 1.534784



Manual Integration Results

RT: 20.14
Response: 127477
Amount: 0.859590



Reviewer: malanowskiv, 08-Nov-2011 10:07:54
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D		
Lims ID:	std5	Client ID:	
Inject. Date:	04-Nov-2011 17:14:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	std5		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	82885	Lims Sample ID:	5
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:42:28	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:37

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.937	0.000	603355	4.50	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	410427	4.63	
$ 3 o-Terphenyl						
1	10.396	10.396	0.000	760924	4.26	
$ 4 1-Chlorooctadecane						
2	13.980	13.980	0.000	835953	5.45	
5 n-Nonane						
2	3.317	3.317	0.000	1008687	5.49	
6 n-Decane						
2	4.119	4.119	0.000	1040458	5.24	
7 Naphthalene						
1	4.693	4.693	0.000	771947	4.36	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	744942	4.34	
9 Dodecane						
2	5.681	5.681	0.000	1032141	5.46	
11 Acenaphthylene						
1	6.606	6.606	0.000	756372	4.23	
12 Acenaphthene						
1	6.882	6.882	0.000	760273	4.26	
15 n-Tetradecane						
2	7.342	7.342	0.000	1009032	5.55	
14 Fluorene						
1	7.693	7.693	0.000	755459	4.37	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	997130	5.42	
16 Phenanthrene						
1	9.440	9.440	0.000	711995	4.30	
17 Anthracene						
1	9.527	9.527	0.000	729745	4.62	
20 n-Octadecane						
2	11.222	11.222	0.000	981231	5.38	
19 Fluoranthene						
1	11.930	11.930	0.000	680868	4.32	
22 C19						
2	12.192	12.192	0.000	962882	5.43	
21 Pyrene						
1	12.390	12.390	0.000	736222	4.38	
23 icosane						
2	13.135	13.135	0.000	950809	5.41	
27 n-Docosane						
2	14.927	14.927	0.000	957825	5.46	
24 Benzo[a]anthracene						
1	15.112	15.112	0.000	628333	4.41	
25 Chrysene						
1	15.202	15.202	0.000	677626	4.58	
28 n-Tetracosane						
2	16.592	16.592	0.000	954740	5.35	
29 Benzo[b]fluoranthene						
1	17.427	17.427	0.000	616939	4.35	
30 Benzo[k]fluoranthene						
1	17.477	17.477	0.000	645189	4.40	
31 Benzo[a]pyrene						
1	18.042	18.042	0.000	635440	4.40	
32 n-Hexacosane						
2	18.139	18.139	0.000	969840	5.65	
35 n-Octacosane						
2	19.577	19.577	0.000	964729	5.55	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.073	0.000	532116	4.02	
34 Dibenz(a,h)anthracene						
1	20.145	20.145	0.000	564005	4.36	
36 Benzo[g,h,i]perylene						
1	20.482	20.482	0.000	533172	4.12	
37 Triacontane						
2	20.918	20.918	0.000	957852	5.25	
38 n-Hexatriacontane						
2	25.512	25.512	0.000	816525	5.35	
A 39 C9-C18 Aliphatics						
2	7.278	3.217 - 11.322		13287798	32.2	
A 40 C11-C22 Aromatics						
1	12.793	4.593 - 20.861		13032461	83.6	

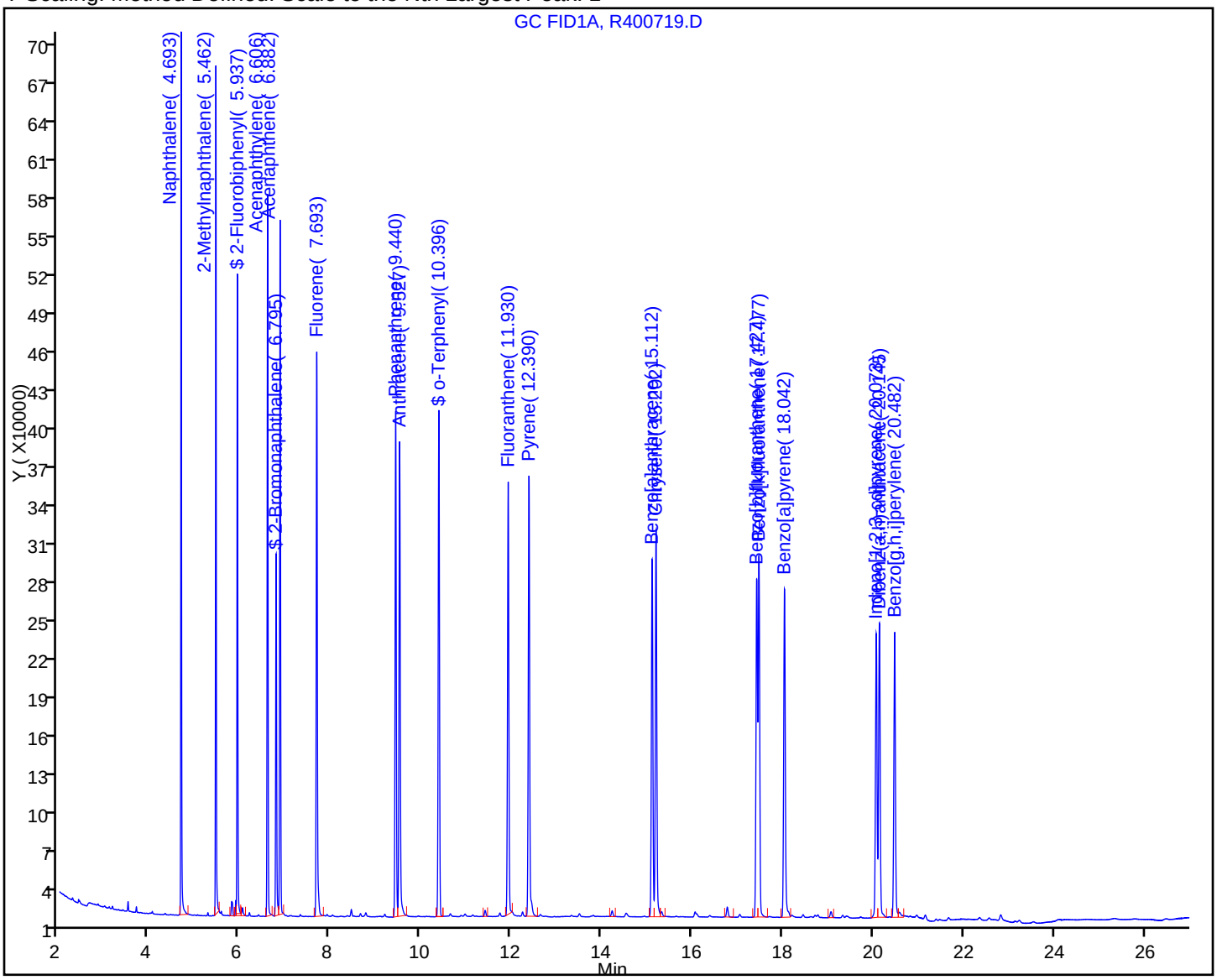
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.538	11.322	-25.765	11820018	40.3	
S 43 Total EPH						
2					90.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					18.2	
S 44 EPH Adjustment 1						
1					65.4	

Report Date: 08-Nov-2011 10:42:29 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D

Injection Date:	04-Nov-2011 17:14:54	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	5
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Lims ID:	std10	Client ID:	
Inject. Date:	04-Nov-2011 17:48:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	std10		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	82885	Lims Sample ID:	6
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:13	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.937	0.001	1383915	10.3	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	947780	10.7	
$ 3 o-Terphenyl						
1	10.397	10.396	0.001	1715418	9.60	
$ 4 1-Chlorooctadecane						
2	13.981	13.980	0.001	1493643	9.74	
5 n-Nonane						
2	3.317	3.317	0.000	1809092	9.96	
6 n-Decane						
2	4.121	4.119	0.002	1866122	9.39	
7 Naphthalene						
1	4.694	4.693	0.001	1780100	10.1	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	1723614	10.0	
9 Dodecane						
2	5.682	5.681	0.001	1852722	9.80	
11 Acenaphthylene						
1	6.606	6.606	0.000	1715710	9.59	
12 Acenaphthene						
1	6.885	6.882	0.003	1730536	9.71	
15 n-Tetradecane						
2	7.343	7.342	0.001	1804162	9.98	
14 Fluorene						
1	7.695	7.693	0.002	1710479	9.89	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	1783806	9.70	
16 Phenanthrene						
1	9.443	9.440	0.003	1626129	9.83	
17 Anthracene						
1	9.530	9.527	0.003	1646405	10.6	
20 n-Octadecane						
2	11.223	11.222	0.001	1751948	9.60	
19 Fluoranthene						
1	11.934	11.930	0.004	1548141	9.81	
22 C19						
2	12.194	12.192	0.002	1723266	9.72	
21 Pyrene						
1	12.392	12.390	0.002	1655065	9.84	
23 icosane						M
2	13.136	13.135	0.001	1718339	9.77	M
27 n-Docosane						
2	14.928	14.927	0.001	1707750	9.73	
24 Benzo[a]anthracene						
1	15.120	15.112	0.008	1427799	10.1	
25 Chrysene						
1	15.207	15.202	0.005	1508512	10.3	
28 n-Tetracosane						
2	16.594	16.592	0.002	1695943	9.51	
29 Benzo[b]fluoranthene						
1	17.439	17.427	0.012	1401170	10.0	
30 Benzo[k]fluoranthene						
1	17.487	17.477	0.010	1438171	10.4	
31 Benzo[a]pyrene						
1	18.049	18.042	0.007	1432623	10.0	
32 n-Hexacosane						
2	18.138	18.139	-0.001	1707752	10.0	
35 n-Octacosane						
2	19.579	19.577	0.002	1703640	9.86	
33 Indeno[1,2,3-cd]pyrene						
1	20.083	20.073	0.010	1229760	9.47	
34 Dibenz(a,h)anthracene						
1	20.147	20.145	0.002	1257320	9.92	
36 Benzo[g,h,i]perylene						
1	20.492	20.482	0.010	1211484	9.56	
37 Triacontane						
2	20.920	20.918	0.002	1700410	9.33	
38 n-Hexatriacontane						M
2	25.519	25.512	0.007	1476363	9.68	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		16605628	50.1	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		28110201	100.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	17408993	73.4	
S 44 EPH Adjustment 1						
1					149.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					30.6	
S 43 Total EPH						
2					154.1	

QC Flag Legend

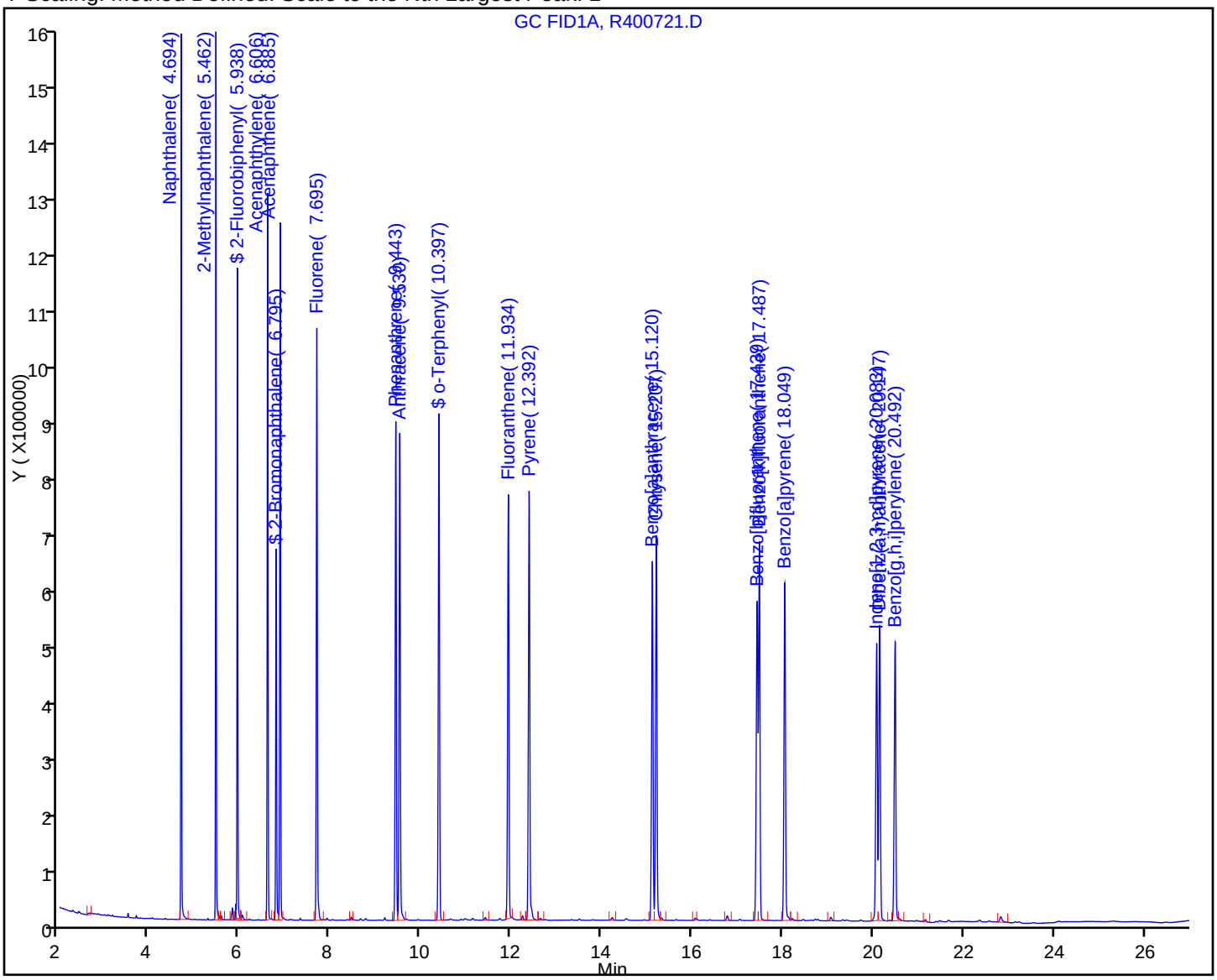
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:46:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D

Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D		
Lims ID:	std25	Client ID:	
Inject. Date:	04-Nov-2011 18:22:16	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	std25		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	82885	Lims Sample ID:	7
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:35	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:26

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.937	0.002	3272150	24.4	
$ 2 2-Bromonaphthalene						
1	6.799	6.795	0.004	2219193	25.0	
$ 3 o-Terphenyl						
1	10.403	10.396	0.007	4019543	22.5	
$ 4 1-Chlorooctadecane						
2	13.984	13.980	0.004	3641764	23.7	
5 n-Nonane						
2	3.318	3.317	0.001	4377354	24.3	
6 n-Decane						
2	4.122	4.119	0.003	4503826	22.7	
7 Naphthalene						
1	4.695	4.693	0.002	4199707	23.7	
8 2-Methylnaphthalene						
1	5.465	5.462	0.003	4062551	23.7	
9 Dodecane						
2	5.683	5.681	0.002	4478288	23.7	
11 Acenaphthylene						
1	6.611	6.606	0.005	4040368	22.6	
12 Acenaphthene						
1	6.889	6.882	0.007	4055729	22.8	
15 n-Tetradecane						
2	7.345	7.342	0.003	4377639	24.3	
14 Fluorene						
1	7.702	7.693	0.009	4000063	23.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.246	0.005	4324561	23.5	
16 Phenanthrene						
1	9.450	9.440	0.010	3799841	23.0	
17 Anthracene						
1	9.539	9.527	0.012	3764648	24.3	
20 n-Octadecane						
2	11.230	11.222	0.008	4270937	23.4	
19 Fluoranthene						
1	11.943	11.930	0.013	3664943	23.2	
22 C19						
2	12.198	12.192	0.006	4203875	23.7	
21 Pyrene						
1	12.402	12.390	0.012	3886049	23.1	
23 icosane						
2	13.142	13.135	0.007	4135090	23.5	
27 n-Docosane						
2	14.935	14.927	0.008	4155128	23.7	
24 Benzo[a]anthracene						
1	15.131	15.112	0.019	3398887	24.2	
25 Chrysene						
1	15.224	15.202	0.022	3556001	24.5	
28 n-Tetracosane						
2	16.600	16.592	0.008	4156516	23.3	
29 Benzo[b]fluoranthene						
1	17.452	17.427	0.025	3358183	24.1	
30 Benzo[k]fluoranthene						
1	17.507	17.477	0.030	3383480	25.0	
31 Benzo[a]pyrene						
1	18.068	18.042	0.026	3408988	24.0	
32 n-Hexacosane						
2	18.147	18.139	0.008	4203409	24.8	
35 n-Octacosane						
2	19.583	19.577	0.006	4221496	24.5	
33 Indeno[1,2,3-cd]pyrene						
1	20.103	20.073	0.030	3014627	23.4	
34 Dibenz(a,h)anthracene						
1	20.167	20.145	0.022	2956340	23.6	
36 Benzo[g,h,i]perylene						
1	20.513	20.482	0.031	2936197	23.4	
37 Triacontane						
2	20.926	20.918	0.008	4185801	23.0	
38 n-Hexatriacontane						
2	25.527	25.512	0.015	3536636	23.2	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		35718196	153.3	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		63975201	410.4	

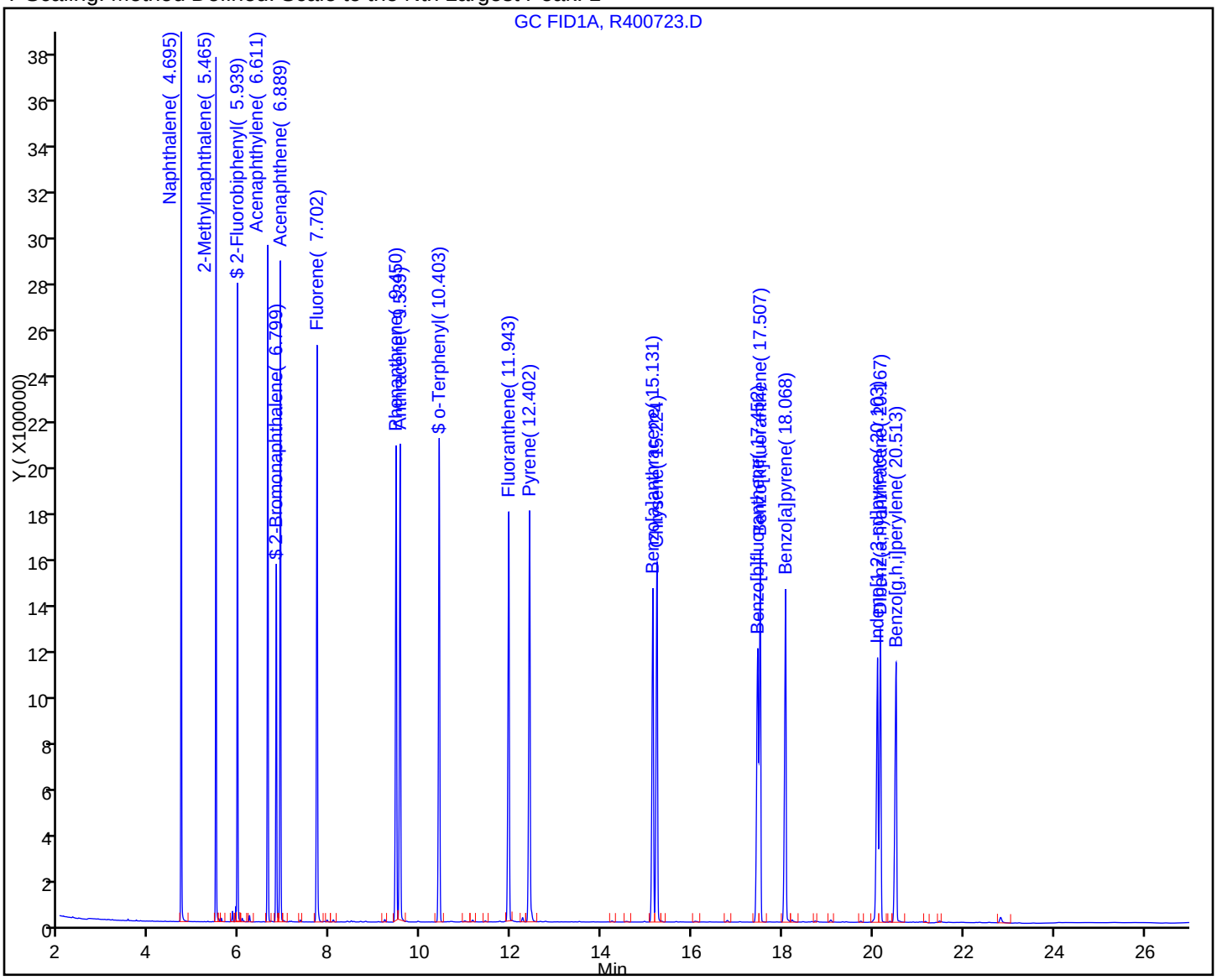
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	40071233	208.0	
S 43 Total EPH						
2					417.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					55.8	
S 44 EPH Adjustment 1						
1					354.6	

Report Date: 08-Nov-2011 10:46:36 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D

Injection Date:	04-Nov-2011 18:22:16	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Lims ID:	std100	Client ID:	
Inject. Date:	04-Nov-2011 19:29:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	std100		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	82885	Lims Sample ID:	8
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:26	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.952	5.937	0.015	14215423	102.1	
$ 2 2-Bromonaphthalene						
1	6.817	6.795	0.022	9233617	100.2	
$ 3 o-Terphenyl						
1	10.429	10.396	0.033	16741411	93.7	
$ 4 1-Chlorooctadecane						
2	14.007	13.980	0.027	14226897	92.8	
5 n-Nonane						
2	3.327	3.317	0.010	18211050	101.5	
6 n-Decane						
2	4.132	4.119	0.013	18796584	94.6	
7 Naphthalene						
1	4.707	4.693	0.014	17824535	100.7	
8 2-Methylnaphthalene						
1	5.478	5.462	0.016	17223002	100.4	
9 Dodecane						
2	5.692	5.681	0.011	18661498	98.7	
11 Acenaphthylene						
1	6.630	6.606	0.024	16998474	95.0	
12 Acenaphthene						
1	6.913	6.882	0.031	16941685	95.0	
15 n-Tetradecane						
2	7.355	7.342	0.013	18072917	100.5	
14 Fluorene						
1	7.727	7.693	0.034	16764188	96.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.266	9.246	0.020	17883375	97.2	
16 Phenanthrene						
1	9.481	9.440	0.041	16211326	98.0	
17 Anthracene						
1	9.577	9.527	0.050	15941768	103.2	
20 n-Octadecane						
2	11.246	11.222	0.024	17579906	96.4	
19 Fluoranthene						
1	11.980	11.930	0.050	15541500	98.5	
22 C19						
2	12.217	12.192	0.025	17308446	97.6	
21 Pyrene						
1	12.443	12.390	0.053	16246645	96.6	
23 icosane						
2	13.163	13.135	0.028	16639428	94.6	
27 n-Docosane						
2	14.959	14.927	0.032	16360413	93.2	
24 Benzo[a]anthracene						
1	15.174	15.112	0.062	14348101	102.5	
25 Chrysene						
1	15.278	15.202	0.076	14904263	103.0	
28 n-Tetracosane						
2	16.623	16.592	0.031	16666913	93.5	
29 Benzo[b]fluoranthene						
1	17.499	17.427	0.072	15091168	108.5	
30 Benzo[k]fluoranthene						
1	17.574	17.477	0.097	13531770	101.2	
31 Benzo[a]pyrene						M
1	18.131	18.042	0.089	14650836	103.5	M
32 n-Hexacosane						
2	18.171	18.139	0.032	16975846	100.5	
35 n-Octacosane						
2	19.607	19.577	0.030	17077930	99.5	
33 Indeno[1,2,3-cd]pyrene						
1	20.184	20.073	0.111	12858055	100.4	
34 Dibenz(a,h)anthracene						M
1	20.237	20.145	0.092	12770021	102.3	M
36 Benzo[g,h,i]perylene						
1	20.589	20.482	0.107	12555380	100.5	
37 Triacontane						
2	20.954	20.918	0.036	17192252	94.3	
38 n-Hexatriacontane						
2	25.568	25.512	0.056	13851517	90.8	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		116436741	589.0	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		264970279	1698.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	140145386	802.1	
S 44 EPH Adjustment 1						
1					1503.4	
S 42 C11-C22 Aromatics (Adjusted)						
2					196.3	
S 43 Total EPH						
2					1587.5	

QC Flag Legend

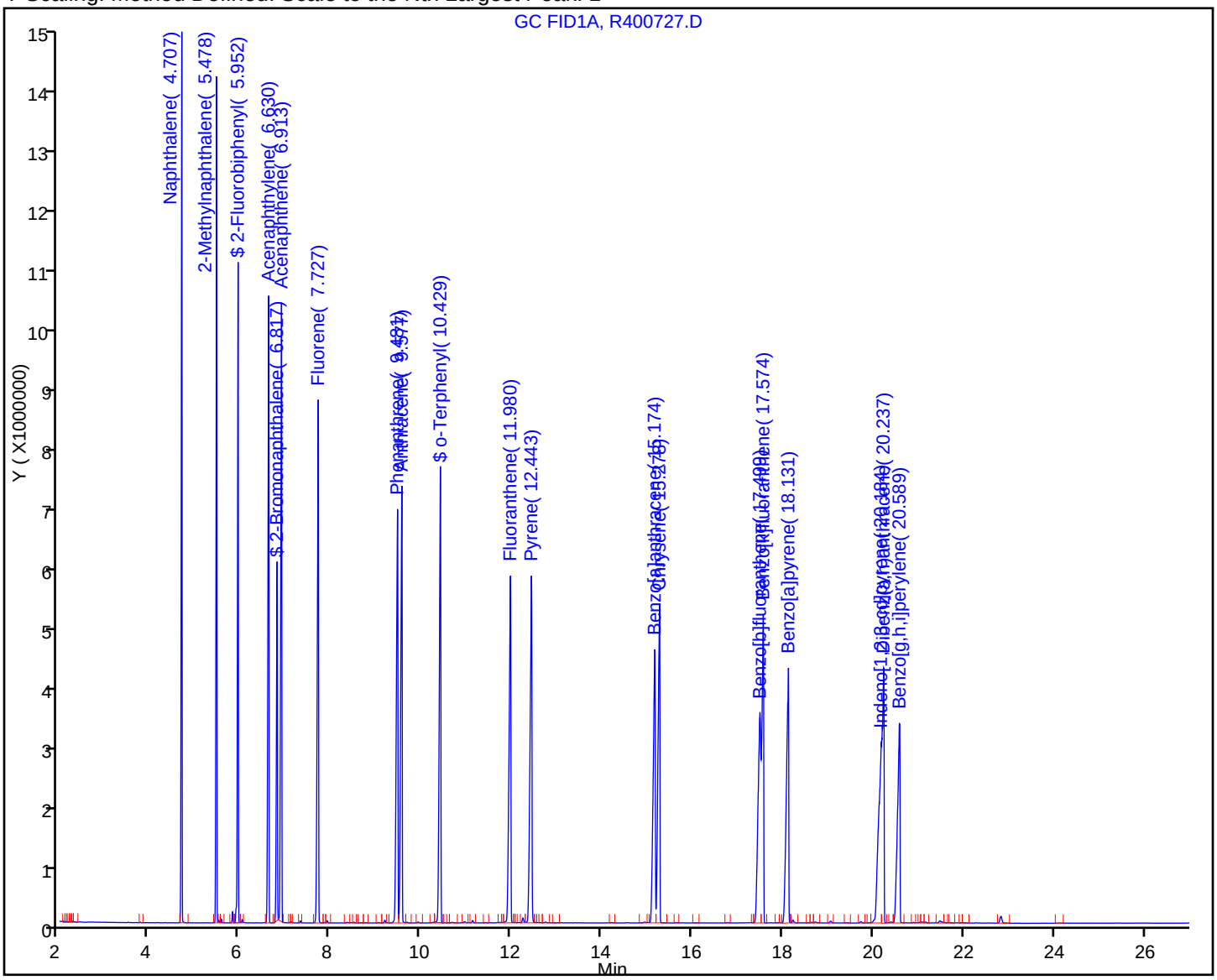
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D

Injection Date:	04-Nov-2011 19:29:41	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



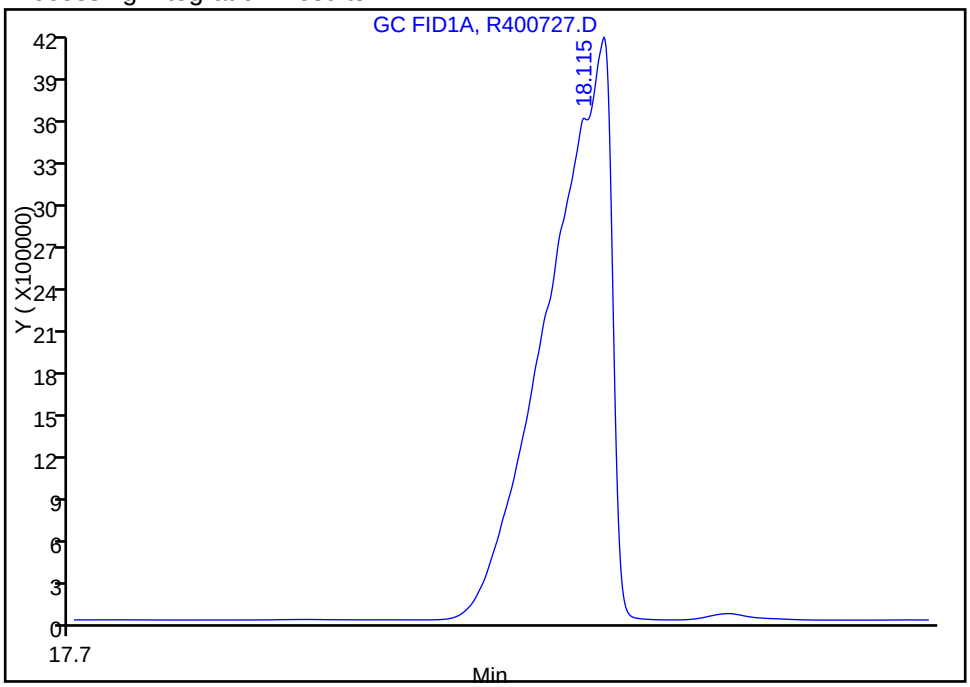
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Injection Date:	04-Nov-2011 19:29:41	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 18.04, Det: GC FID1A

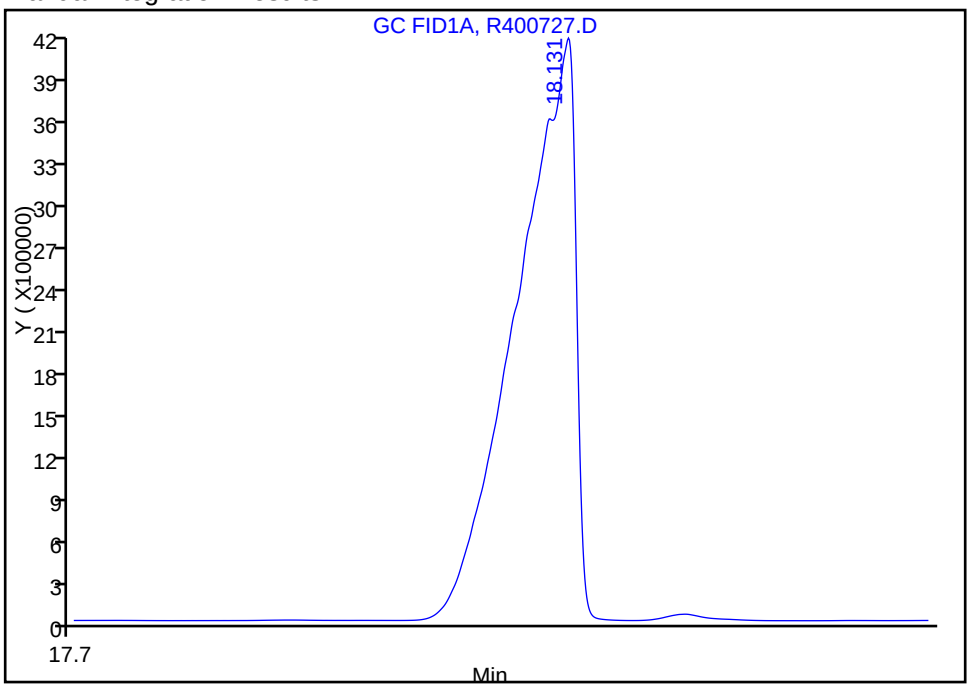
Processing Integration Results

RT: 18.11
Response: 9262129
Amount: 91.625759



Manual Integration Results

RT: 18.13
Response: 14650836
Amount: 103.4970



Reviewer: malanowskiv, 06-Nov-2011 12:29:30
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:47:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02

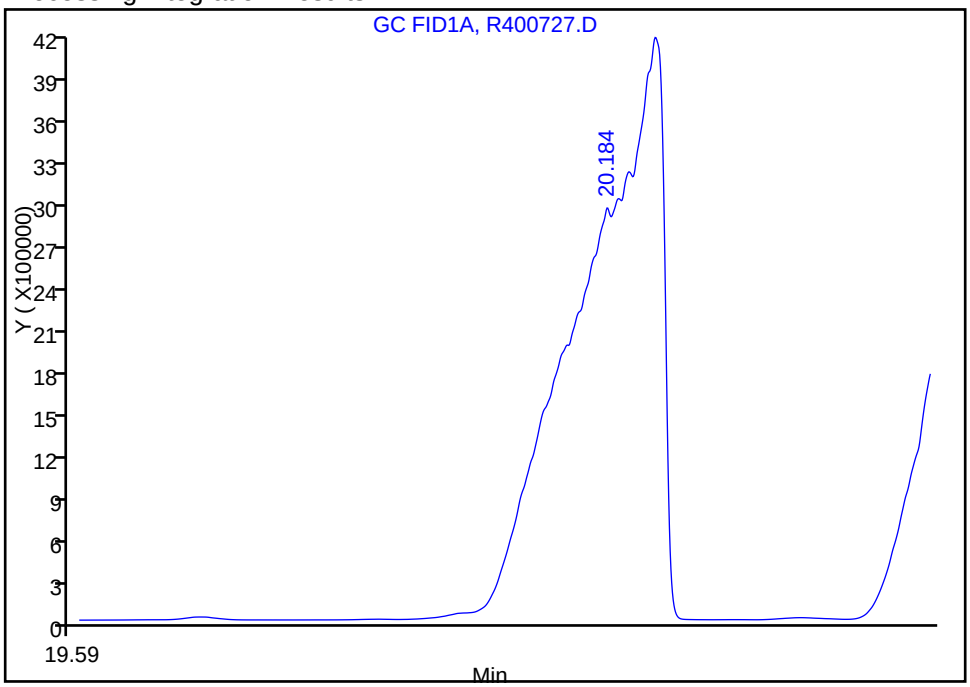
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Injection Date:	04-Nov-2011 19:29:41	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 20.14, Det: GC FID1A

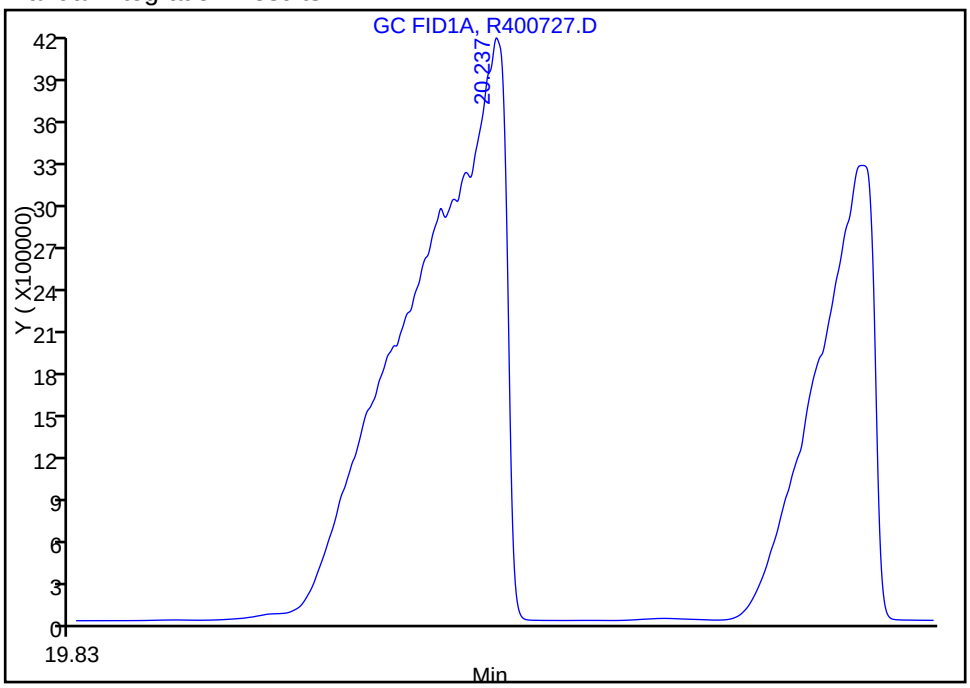
Processing Integration Results

RT: 20.18
Response: 12858055
Amount: 102.6048



Manual Integration Results

RT: 20.24
Response: 12770021
Amount: 102.2942



Reviewer: malanowskiv, 08-Nov-2011 10:09:42
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Lims ID:	std200	Client ID:	
Inject. Date:	04-Nov-2011 20:03:23	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	std200		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	82885	Lims Sample ID:	9
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:49	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.963	5.937	0.026	27219328	191.3	
$ 2 2-Bromonaphthalene						
1	6.832	6.795	0.037	18004776	191.3	
$ 3 o-Terphenyl						
1	10.450	10.396	0.054	31401850	175.7	
$ 4 1-Chlorooctadecane						
2	14.026	13.980	0.046	27871700	181.8	
5 n-Nonane						
2	3.332	3.317	0.015	35355401	197.2	
6 n-Decane						
2	4.142	4.119	0.023	36501217	183.7	
7 Naphthalene						
1	4.718	4.693	0.025	34019279	192.1	
8 2-Methylnaphthalene						
1	5.490	5.462	0.028	32899396	191.7	
9 Dodecane						
2	5.700	5.681	0.019	36255572	191.8	
11 Acenaphthylene						
1	6.646	6.606	0.040	32474003	181.6	
12 Acenaphthene						
1	6.934	6.882	0.052	32643392	183.1	
15 n-Tetradecane						
2	7.367	7.342	0.025	35180388	195.6	
14 Fluorene						
1	7.746	7.693	0.053	32103683	185.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.280	9.246	0.034	34884004	189.6	
16 Phenanthrene						
1	9.505	9.440	0.065	31316706	189.3	
17 Anthracene						
1	9.607	9.527	0.080	30036930	194.6	
20 n-Octadecane						
2	11.265	11.222	0.043	34238156	187.7	
19 Fluoranthene						
1	12.010	11.930	0.080	29525692	187.2	
22 C19						
2	12.239	12.192	0.047	33765177	190.4	
21 Pyrene						
1	12.480	12.390	0.090	30819194	183.2	
23 icosane						
2	13.185	13.135	0.050	31423185	178.7	
27 n-Docosane						
2	14.979	14.927	0.052	32476339	185.0	
24 Benzo[a]anthracene						
1	15.204	15.112	0.092	27510479	196.5	
25 Chrysene						
1	15.322	15.202	0.120	28166036	194.7	
28 n-Tetracosane						
2	16.645	16.592	0.053	32590752	182.8	
29 Benzo[b]fluoranthene						M
1	17.556	17.427	0.129	26645481	191.6	M
30 Benzo[k]fluoranthene						M
1	17.629	17.477	0.152	25896085	194.1	M
31 Benzo[a]pyrene						
1	18.175	18.042	0.133	27713144	195.9	
32 n-Hexacosane						
2	18.191	18.139	0.052	33162196	196.4	
35 n-Octacosane						
2	19.630	19.577	0.053	33519195	195.4	
36 Benzo[g,h,i]perylene						M
1	20.655	20.482	0.173	25161350	201.6	M
37 Triacontane						
2	20.977	20.918	0.059	33854159	185.7	
38 n-Hexatriacontane						M
2	25.616	25.512	0.104	27729888	181.9	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		226814494	1184.9	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		506951589	3252.1	
A 41 C19-C36 Aliphatics						
2	18.544	11.322 - 25.765		270729533	1577.3	
S 43 Total EPH						
2					2151.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 42 C11-C22 Aromatics (Adjusted)						
2					389.4	
S 44 EPH Adjustment 1						
1					2862.7	

QC Flag Legend

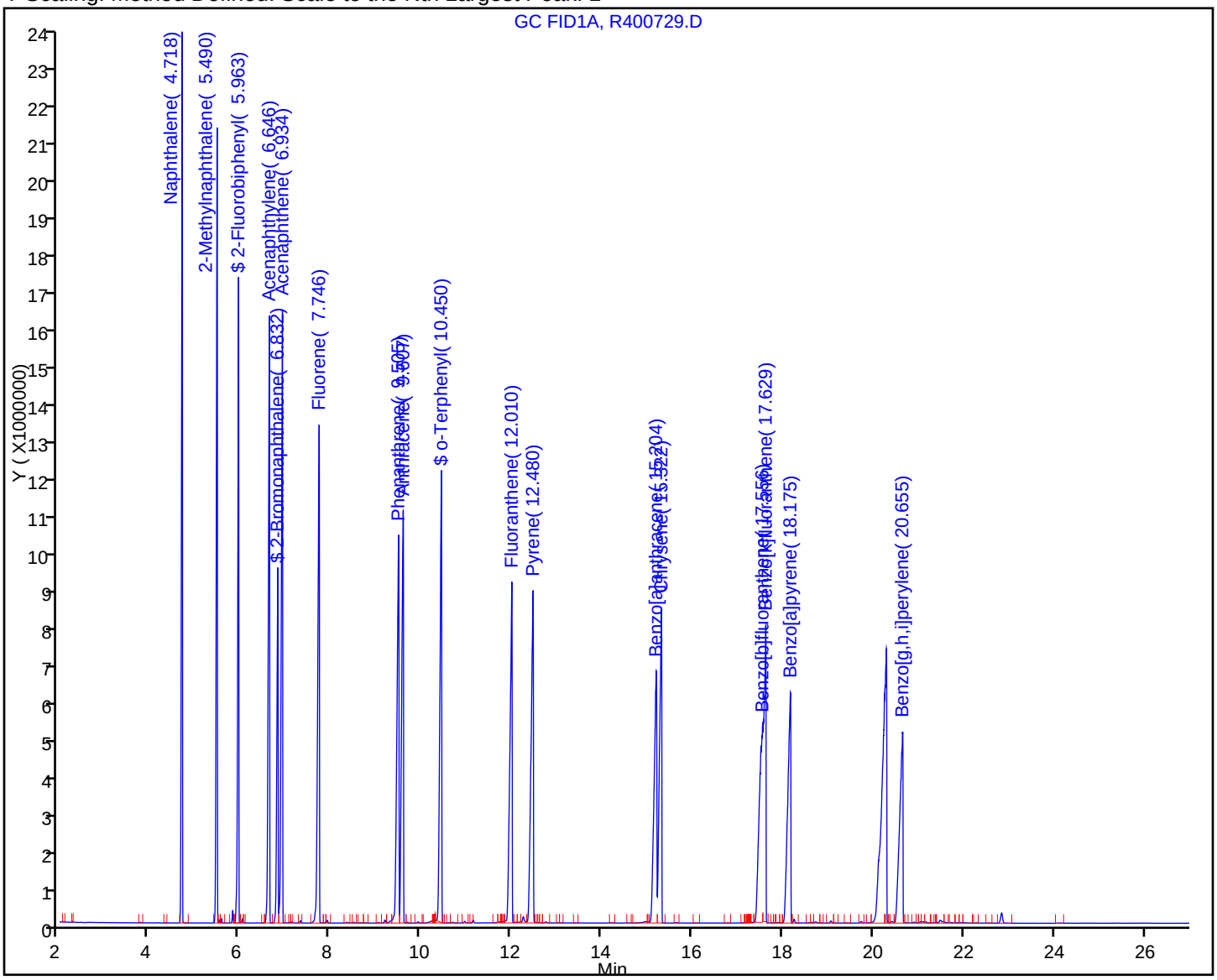
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:51 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D

Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



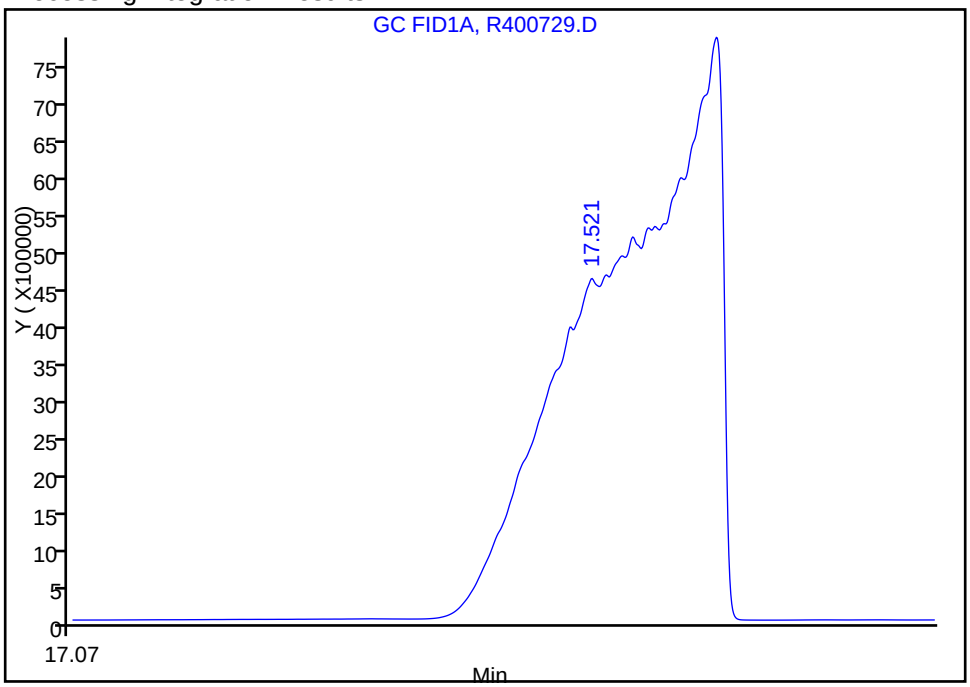
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

29 Benzo[b]fluoranthene, Signal: 1, Type: quant, RT: 17.43, Det: GC FID1A

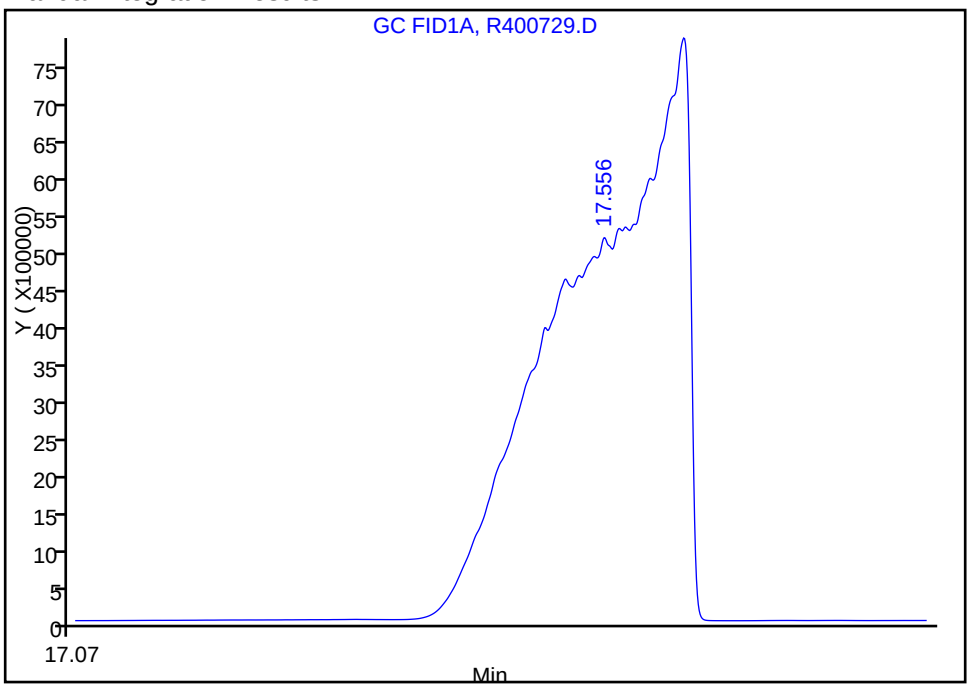
Processing Integration Results

RT: 17.52
Response: 16960952
Amount: 150.4847



Manual Integration Results

RT: 17.56
Response: 26645481
Amount: 191.6333



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Split Peak

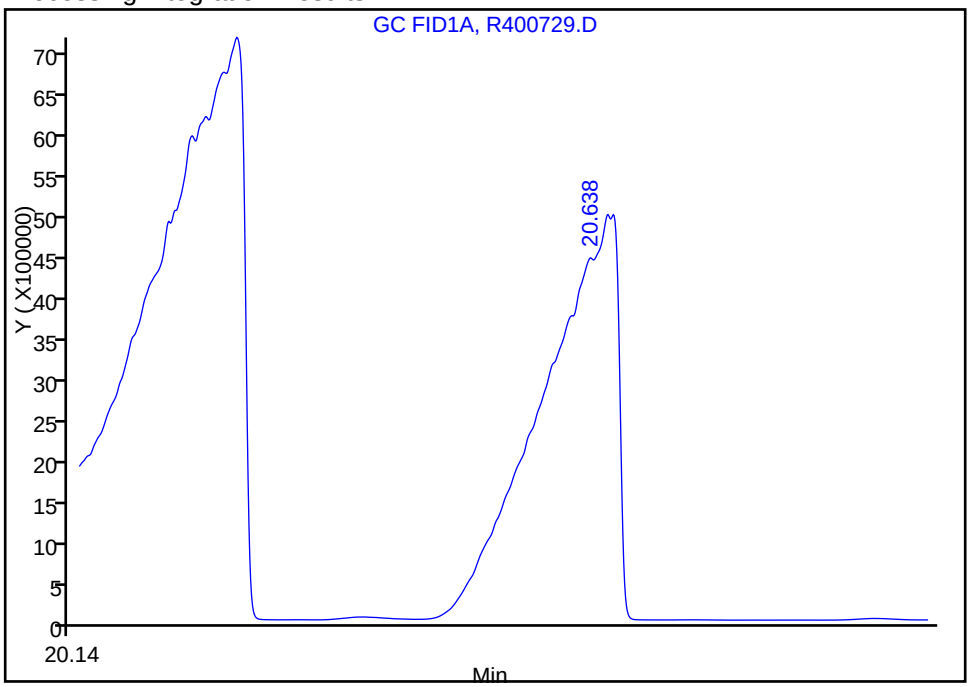
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

36 Benzo[g,h,i]perylene, Signal: 1, Type: quant, RT: 20.48, Det: GC FID1A

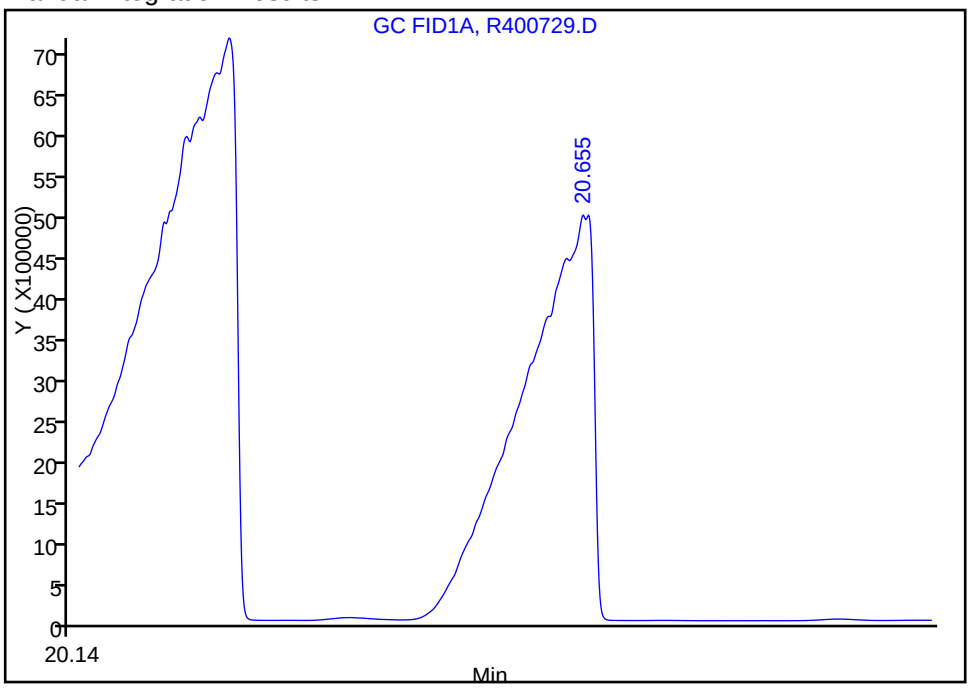
Processing Integration Results

RT: 20.64
Response: 17526649
Amount: 195.8829



Manual Integration Results

RT: 20.65
Response: 25161350
Amount: 201.5884



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

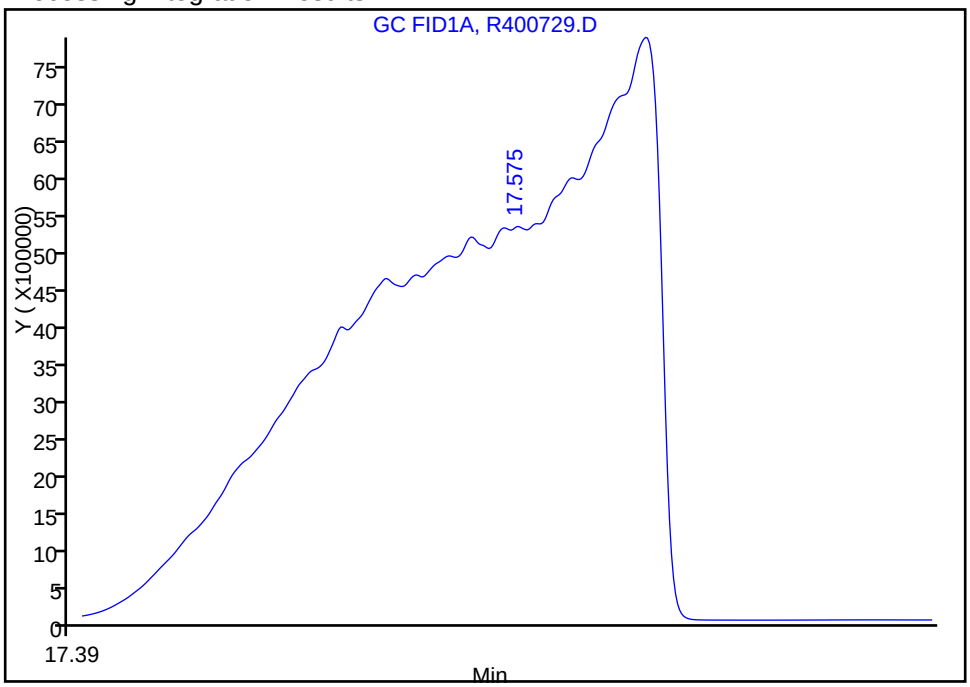
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

30 Benzo[k]fluoranthene, Signal: 1, Type: quant, RT: 17.48, Det: GC FID1A

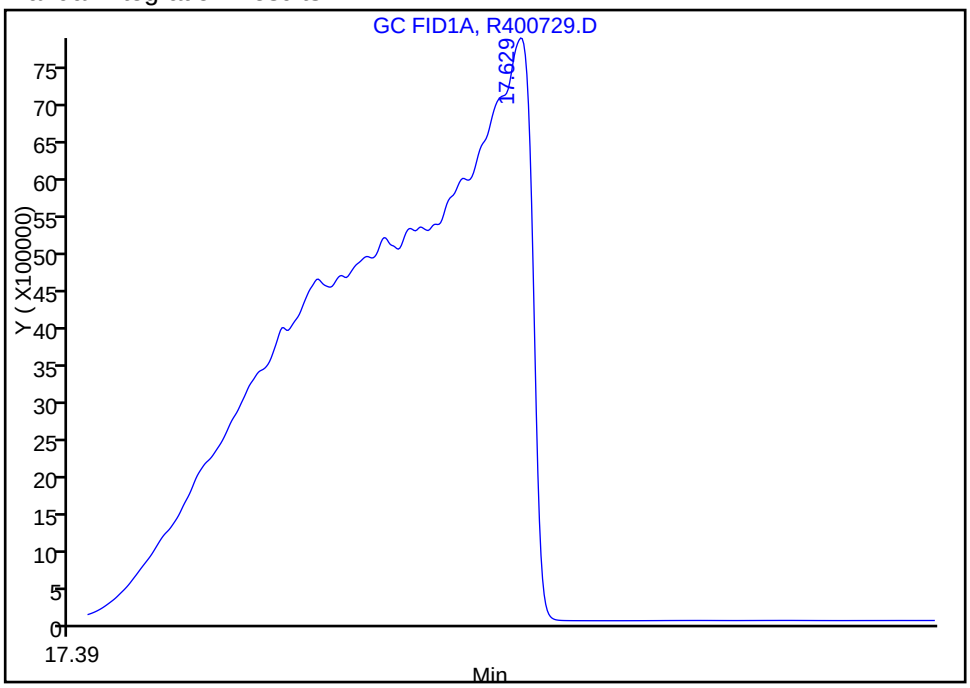
Processing Integration Results

RT: 17.57
Response: 4923532
Amount: 23.493863



Manual Integration Results

RT: 17.63
Response: 25896085
Amount: 194.0889



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 82885

SDG No.: 360-37832

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16339

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82885/2	R400713.D
Level 2	STD05 360-82885/3	R400715.D
Level 3	STD1 360-82885/4	R400717.D
Level 4	STD5 360-82885/5	R400719.D
Level 5	STD10 360-82885/6	R400721.D
Level 6	STD25 360-82885/7	R400723.D
Level 7	STD50 360-82885/1	R400725.D
Level 8	STD100 360-82885/8	R400727.D
Level 9	STD200 360-82885/9	R400729.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8	LVL 9		RT WINDOW	AVG RT
n-Nonane	3.315	3.316	3.316	3.317	3.317	3.318	3.322	3.327	3.332		3.217 - 3.417	3.320
n-Decane	4.118	4.119	4.120	4.119	4.121	4.122	4.127	4.132	4.142		4.019 - 4.219	4.124
Dodecane	5.681	5.681	5.681	5.681	5.682	5.683	5.687	5.692	5.700		5.581 - 5.781	5.685
C9-C18 Aliphatics				7.278	7.269	7.269	7.278	7.269	7.269		3.217 - 11.322	7.272
n-Tetradecane	7.340	7.344	7.341	7.342	7.343	7.345	7.350	7.355	7.367		7.242 - 7.442	7.347
Hexadecane	9.246	9.246	9.245	9.246	9.246	9.251	9.255	9.266	9.280		9.146 - 9.346	9.253
n-Octadecane	11.223	11.225	11.221	11.222	11.223	11.230	11.235	11.246	11.265		11.122 - 11.322	11.232
C19	12.189	12.192	12.191	12.192	12.194	12.198	12.205	12.217	12.239		12.092 - 12.292	12.202
icosane	13.133	13.135	13.133	13.135	13.136	13.142	13.148	13.163	13.185		13.035 - 13.235	13.146
n-Docosane	14.928	14.930	14.925	14.927	14.928	14.935	14.942	14.959	14.979		14.827 - 15.027	14.939
n-Tetracosane	16.593	16.593	16.591	16.592	16.594	16.600	16.607	16.623	16.645		16.492 - 16.692	16.604
n-Hexacosane	18.139	18.139	18.134	18.139	18.138	18.147	18.155	18.171	18.191		18.039 - 18.239	18.150
C19-C36 Aliphatics				18.538	18.544	18.544	18.564	18.544	18.544		11.322 - 25.765	18.546
n-Octacosane	19.577	19.575	19.576	19.577	19.579	19.583	19.592	19.607	19.630		19.477 - 19.677	19.588
Triacontane	20.919	20.916	20.914	20.918	20.920	20.926	20.937	20.954	20.977		20.818 - 21.018	20.931
n-Hexatriacontane	25.486	25.515	25.510	25.512	25.519	25.527	25.541	25.568	25.616		25.412 - 25.612	25.533
1-Chlorooctadecane	13.977	13.980	13.979	13.980	13.981	13.984	13.993	14.007	14.026		13.880 - 14.080	13.990

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 82885

SDG No.: 360-37832

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16339

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82885/2	R400713.D
Level 2	STD05 360-82885/3	R400715.D
Level 3	STD1 360-82885/4	R400717.D
Level 4	STD5 360-82885/5	R400719.D
Level 5	STD10 360-82885/6	R400721.D
Level 6	STD25 360-82885/7	R400723.D
Level 7	STD50 360-82885/1	R400725.D
Level 8	STD100 360-82885/8	R400727.D
Level 9	STD200 360-82885/9	R400729.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
n-Nonane	456890 180909 176777	189006 175094	191340 185909	201737 182111	Lin1	24457.3774	179183.947							0.9990		0.9900
n-Decane	275030 186612 182506	177902 180153	198910 191207	208092 187966	Ave		198708.609				15.0		25.0			
Dodecane	214020 185272 181278	163898 179132	193561 191166	206428 186615	Ave		189041.031				7.9		25.0			
C9-C18 Aliphatics	 276760 189012	238121	228490	442927 194061	Lin1	7327623.85	185232.509							0.9970		0.9900
n-Tetradecane	288680 180416 175902	173352 175106	195113 186465	201806 180729	Lin2	10431.3842	179783.263							0.9950		0.9900
Hexadecane	219240 178381 174420	158842 172982	188032 185363	199426 178834	Ave		183946.688				9.4		25.0			
n-Octadecane	225440 175195 171191	158126 170837	186018 182747	196246 175799	Ave		182399.936				11.0		25.0			
C19	206050 172327 168826	153526 168155	181606 180103	192576 173084	Ave		177361.527				8.6		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 82885

SDG No.: 360-37832

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16339

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
icosane	221480 171834 157116	152042 165404	179530 178284	190162 166394	Ave		175805.081				12.0		25.0			
n-Docosane	214730 170775 162382	155450 166205	181581 173760	191565 163604	Ave		175561.298				10.0		25.0			
n-Tetracosane	232280 169594 162954	155662 166261	185952 174453	190948 166669	Ave		178308.128				13.0		25.0			
n-Hexacosane	328970 170775 165811	168958 168136	196881 178366	193968 169758	Lin1	16630.0871	168799.658							0.9990		0.9900
C19-C36 Aliphatics	217612 169206	200356	188987	295500 175182	Lin1	5038841.56	168441.258							0.9990		0.9900
n-Octacosane	298340 170364 167596	164868 168860	195174 177827	192946 170779	Lin2	12214.3922	171487.433							0.9930		0.9900
Triacontane	249730 170041 169271	155850 167432	186927 177735	191570 171923	Ave		182275.375				15.0		25.0			
n-Hexatriacontane	184440 147636 138649	160840 141465	158822 138648	163305 138515	Ave		152480.161				10.0		25.0			
1-Chlorooctadecane	191770 149364 139359	133362 145671	157720 153388	167191 142269	Ave		153343.623				11.0		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 82885

SDG No.: 360-37832

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16339

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82885/2	R400713.D
Level 2	STD05 360-82885/3	R400715.D
Level 3	STD1 360-82885/4	R400717.D
Level 4	STD5 360-82885/5	R400719.D
Level 5	STD10 360-82885/6	R400721.D
Level 6	STD25 360-82885/7	R400723.D
Level 7	STD50 360-82885/1	R400725.D
Level 8	STD100 360-82885/8	R400727.D
Level 9	STD200 360-82885/9	R400729.D

ANALYTE	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-Nonane	Lin1	45689 4377354	94503 9295434	191340 18211050	1008687 35355401	1809092	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Decane	Ave	27503 4503826	88951 9560336	198910 18796584	1040458 36501217	1866122	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Dodecane	Ave	21402 4478288	81949 9558276	193561 18661498	1032141 36255572	1852722	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C9-C18 Aliphatics	Lin1	 35718196	 68546958	 116436741	13287798 226814494	16605628	 150	 300	 600	30.0 1200	60.0
n-Tetradecane	Lin2	28868 4377639	86676 9323243	195113 18072917	1009032 35180388	1804162	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Hexadecane	Ave	21924 4324561	79421 9268169	188032 17883375	997130 34884004	1783806	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Octadecane	Ave	22544 4270937	79063 9137355	186018 17579906	981231 34238156	1751948	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C19	Ave	20605 4203875	76763 9005170	181606 17308446	962882 33765177	1723266	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
icosane	Ave	22148 4135090	76021 8914211	179530 16639428	950809 31423185	1718339	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Docosane	Ave	21473 4155128	77725 8687987	181581 16360413	957825 32476339	1707750	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Tetracosane	Ave	23228 4156516	77831 8722666	185952 16666913	954740 32590752	1695943	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Hexacosane	Lin1	32897 4203409	84479 8918317	196881 16975846	969840 33162196	1707752	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C19-C36 Aliphatics	Lin1	 40071233	 75594611	 140145386	11820018 270729533	17408993	 200	 400	 800	40.0 1600	80.0
n-Octacosane	Lin2	29834 4221496	82434 8891374	195174 17077930	964729 33519195	1703640	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37832-1 Analy Batch No.: 82885

SDG No.: 360-37832

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16339

ANALYTE	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
Triacontane	Ave	24973 4185801	77925 8886731	186927 17192252	957852 33854159	1700410	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Hexatriacontane	Ave	18444 3536636	80420 6932405	158822 13851517	816525 27729888	1476363	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
1-Chlorooctadecane	Ave	19177 3641764	66681 7669384	157720 14226897	835953 27871700	1493643	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc
Lin2 = Linear 1/conc^2

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D		
Lims ID:	std50	Client ID:	
Inject. Date:	04-Nov-2011 18:55:49	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	7
Sample ID:	std50		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	82885	Lims Sample ID:	1
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:40:24	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.944	5.944	0.000	7170019	53.5	
$ 2 2-Bromonaphthalene						
1	6.805	6.805	0.000	4779655	53.9	
$ 3 o-Terphenyl						
1	10.413	10.413	0.000	8717574	48.8	
$ 4 1-Chlorooctadecane						
2	13.993	13.993	0.000	7669384	50.0	
5 n-Nonane						
2	3.322	3.322	0.000	9295434	51.7	
6 n-Decane						
2	4.127	4.127	0.000	9560336	48.1	
7 Naphthalene						
1	4.700	4.700	0.000	9168968	51.8	
8 2-Methylnaphthalene						
1	5.470	5.470	0.000	8876927	51.7	
9 Dodecane						
2	5.687	5.687	0.000	9558276	50.6	
11 Acenaphthylene						
1	6.618	6.618	0.000	8785393	49.1	
12 Acenaphthene						
1	6.897	6.897	0.000	8820338	49.5	
15 n-Tetradecane						
2	7.350	7.350	0.000	9323243	51.8	
14 Fluorene						
1	7.711	7.711	0.000	8706313	50.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.255	9.255	0.000	9268169	50.4	
16 Phenanthrene						
1	9.462	9.462	0.000	8306539	50.2	
17 Anthracene						
1	9.554	9.554	0.000	8160943	52.8	
20 n-Octadecane						
2	11.235	11.235	0.000	9137355	50.1	
19 Fluoranthene						
1	11.957	11.957	0.000	7972047	50.5	
22 C19						
2	12.205	12.205	0.000	9005170	50.8	
21 Pyrene						
1	12.420	12.420	0.000	8369046	49.7	
23 icosane						
2	13.148	13.148	0.000	8914211	50.7	
27 n-Docosane						
2	14.942	14.942	0.000	8687987	49.5	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	7335836	52.3	
25 Chrysene						
1	15.245	15.245	0.000	7654542	52.8	
28 n-Tetracosane						
2	16.607	16.607	0.000	8722666	48.9	
29 Benzo[b]fluoranthene						
1	17.472	17.472	0.000	7176927	51.6	
30 Benzo[k]fluoranthene						
1	17.534	17.534	0.000	7420303	55.3	
31 Benzo[a]pyrene						
1	18.090	18.090	0.000	7396842	52.2	
32 n-Hexacosane						
2	18.155	18.155	0.000	8918317	52.7	
35 n-Octacosane						
2	19.592	19.592	0.000	8891374	51.8	
33 Indeno[1,2,3-cd]pyrene						
1	20.126	20.126	0.000	6798127	53.0	
34 Dibenz(a,h)anthracene						
1	20.196	20.196	0.000	6258006	50.0	
36 Benzo[g,h,i]perylene						
1	20.545	20.545	0.000	6392453	51.1	
37 Triacontane						
2	20.937	20.937	0.000	8886731	48.8	
38 n-Hexatriacontane						M
2	25.541	25.541	0.000	6932405	45.5	M
A 39 C9-C18 Aliphatics						
2	7.278	3.222 - 11.335		68546958	330.5	
A 40 C11-C22 Aromatics						
1	12.771	4.600 - 20.986		136971940	879.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.564	11.335	-25.742	75594611	418.9	
S 44 EPH Adjustment 1						
1					771.0	
S 42 C11-C22 Aromatics (Adjusted)						
2					107.6	
S 43 Total EPH						
2					857.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:40:26 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D

Injection Date: 04-Nov-2011 18:55:49 Limit Group: GC MA EPH

Client ID: Instrument ID: INST R

Lims Batch ID: 82885 Lims Sample ID: 1

Operator ID: CT Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



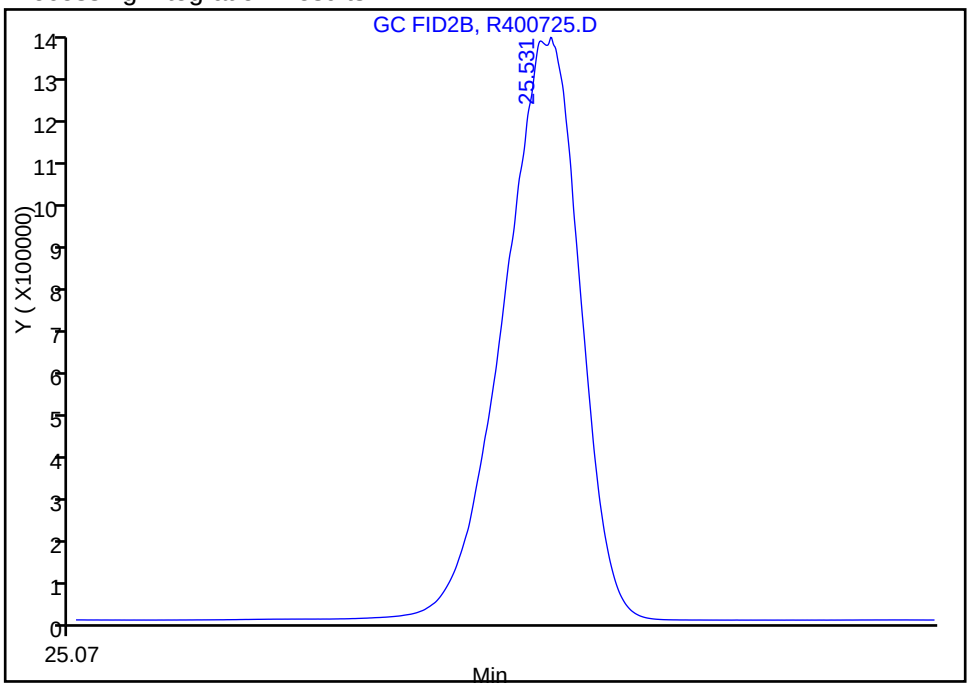
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D		
Injection Date:	04-Nov-2011 18:55:49	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	1
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.54, Det: GC FID2B

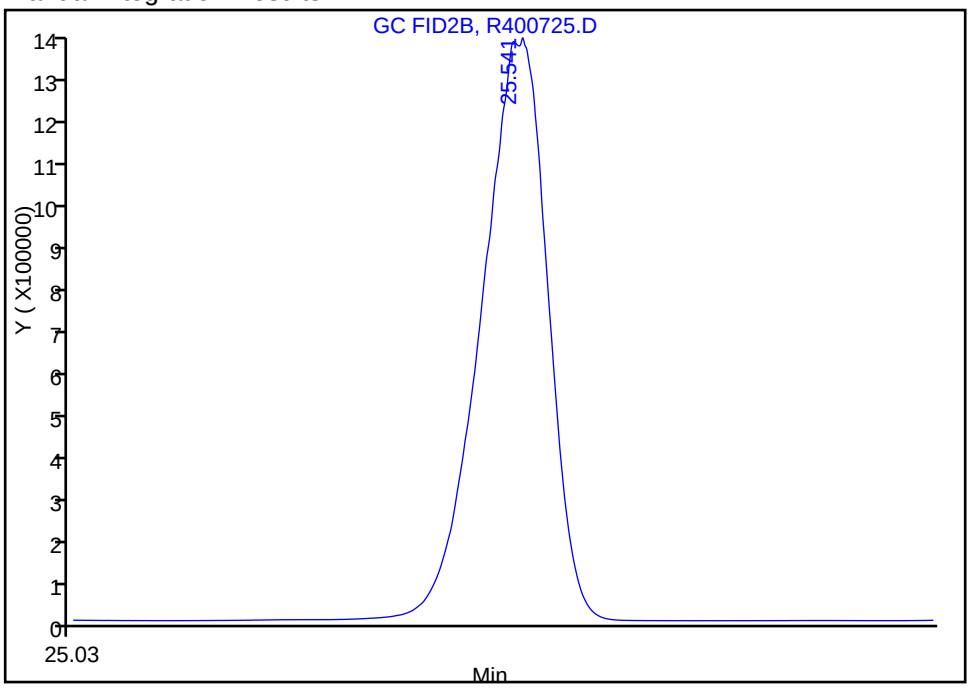
Processing Integration Results

RT: 25.53
Response: 1015796
Amount: 10.444685



Manual Integration Results

RT: 25.54
Response: 6932405
Amount: 45.464308



Reviewer: malanowskiv, 06-Nov-2011 11:58:13
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Lims ID:	std01	Client ID:	
Inject. Date:	04-Nov-2011 15:33:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	std01		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	82885	Lims Sample ID:	2
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:38:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	18282	0.1781	
$ 2 2-Bromonaphthalene						
1	6.797	6.807	-0.010	11706	0.1714	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	25354	0.1419	
$ 4 1-Chlorooctadecane						
2	13.977	13.989	-0.012	19177	0.1251	
5 n-Nonane						
2	3.315	3.320	-0.005	45689	0.1185	
6 n-Decane						
2	4.118	4.125	-0.007	27503	0.1384	
7 Naphthalene						
1	4.694	4.701	-0.007	19532	0.1103	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	18000	0.1049	
9 Dodecane						M
2	5.681	5.685	-0.004	21402	0.1132	M
11 Acenaphthylene						
1	6.604	6.620	-0.016	24837	0.1389	
12 Acenaphthene						
1	6.881	6.900	-0.019	23043	0.1293	
15 n-Tetradecane						
2	7.340	7.345	-0.005	28868	0.1025	
14 Fluorene						
1	7.695	7.711	-0.016	18975	0.1097	

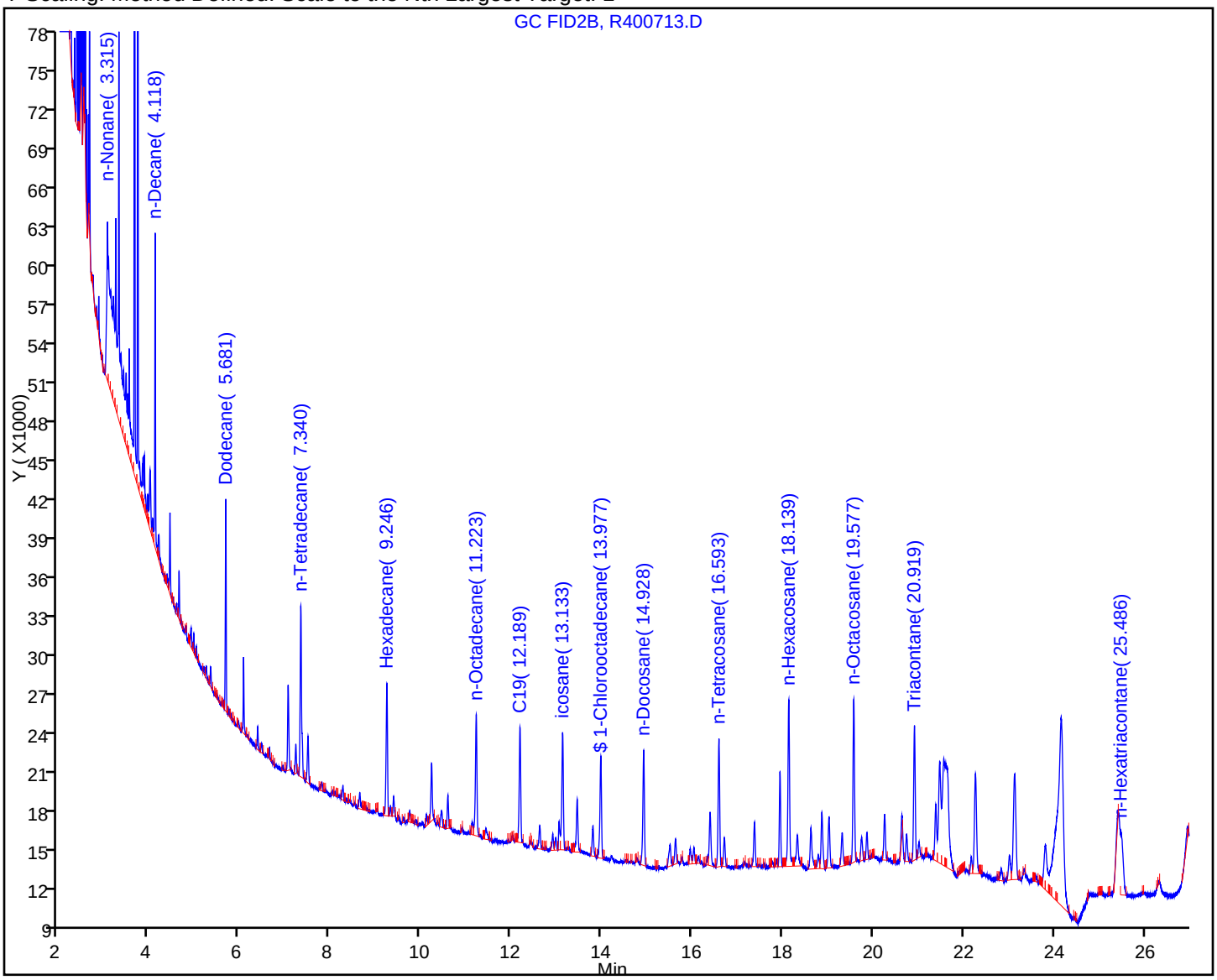
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	21924	0.1192	
16 Phenanthrene						
1	9.440	9.463	-0.023	21489	0.1299	
17 Anthracene						
1	9.531	9.555	-0.024	32084	0.1001	
20 n-Octadecane						
2	11.223	11.231	-0.008	22544	0.1236	
19 Fluoranthene						
1	11.927	11.959	-0.032	19850	0.1258	
22 C19						
2	12.189	12.202	-0.013	20605	0.1162	
21 Pyrene						
1	12.388	12.421	-0.033	20413	0.1213	
23 icosane						
2	13.133	13.145	-0.012	22148	0.1260	
27 n-Docosane						
2	14.928	14.940	-0.012	21473	0.1223	
24 Benzo[a]anthracene						
1	15.116	15.147	-0.031	27383	0.1182	
25 Chrysene						
1	15.203	15.245	-0.042	28963	0.0916	
28 n-Tetracosane						
2	16.593	16.605	-0.012	23228	0.1303	
29 Benzo[b]fluoranthene						
1	17.434	17.471	-0.037	29625	0.1247	
30 Benzo[k]fluoranthene						
1	17.473	17.537	-0.064	80561	0.1598	
31 Benzo[a]pyrene						
1	18.044	18.091	-0.047	28735	0.1087	
32 n-Hexacosane						
2	18.139	18.150	-0.011	32897	0.0964	
35 n-Octacosane						
2	19.577	19.586	-0.009	29834	0.1027	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.124	-0.051	40698	0.1742	
34 Dibenz(a,h)anthracene						
1	20.141	20.237	-0.096	38971	0.1495	
36 Benzo[g,h,i]perylene						
1	20.473	20.473	0.000	41002	0.1722	
37 Triacontane						
2	20.919	20.932	-0.013	24973	0.1370	
38 n-Hexatriacontane						M
2	25.486	25.525	-0.039	18444	0.1210	M
S 43 Total EPH						
2					-1.85	
S 42 C11-C22 Aromatics (Adjusted)						
2					1.85	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					1.85	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:38:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D
Injection Date: 04-Nov-2011 15:33:45 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 82885 Lims Sample ID: 2
Operator ID: CT Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Nov-2011 10:38:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02

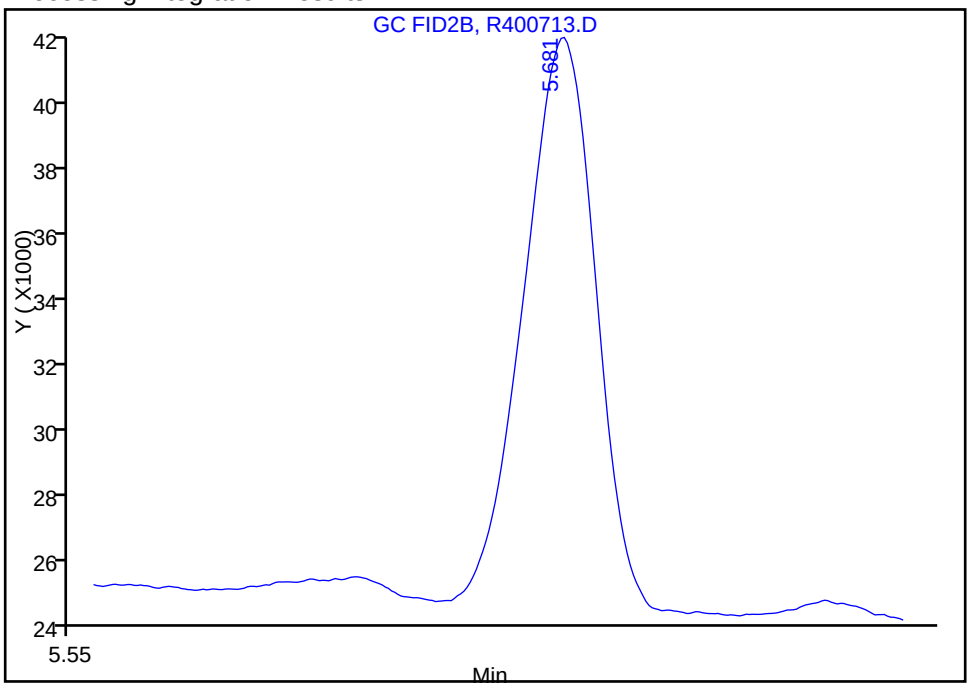
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Injection Date:	04-Nov-2011 15:33:45	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	1.00 ul

9 Dodecane, Signal: 1, Type: quant, RT: 5.68, Det: GC FID2B

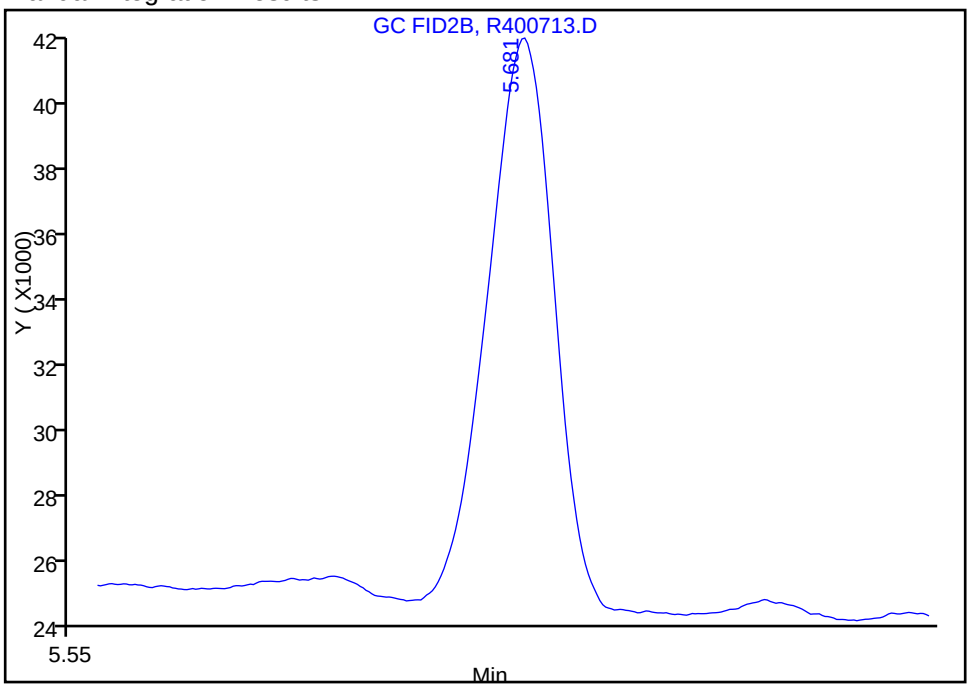
Processing Integration Results

RT: 5.68
Response: 12195
Amount: 0.100000



Manual Integration Results

RT: 5.68
Response: 21402
Amount: 0.113214



Reviewer: malanowskiv, 06-Nov-2011 12:03:33
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:38:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02

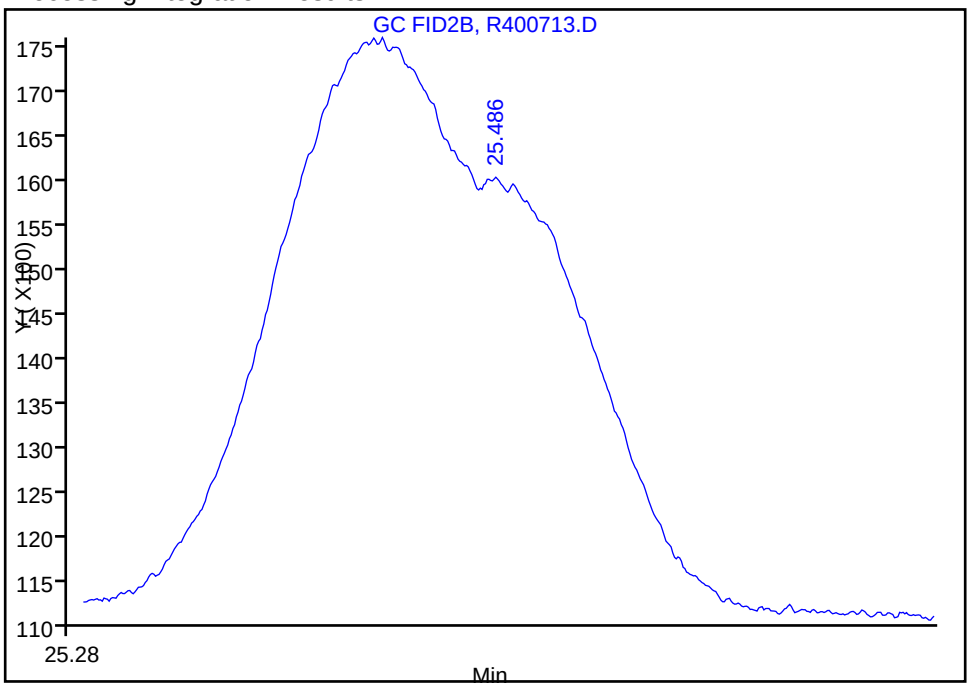
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Injection Date:	04-Nov-2011 15:33:45	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

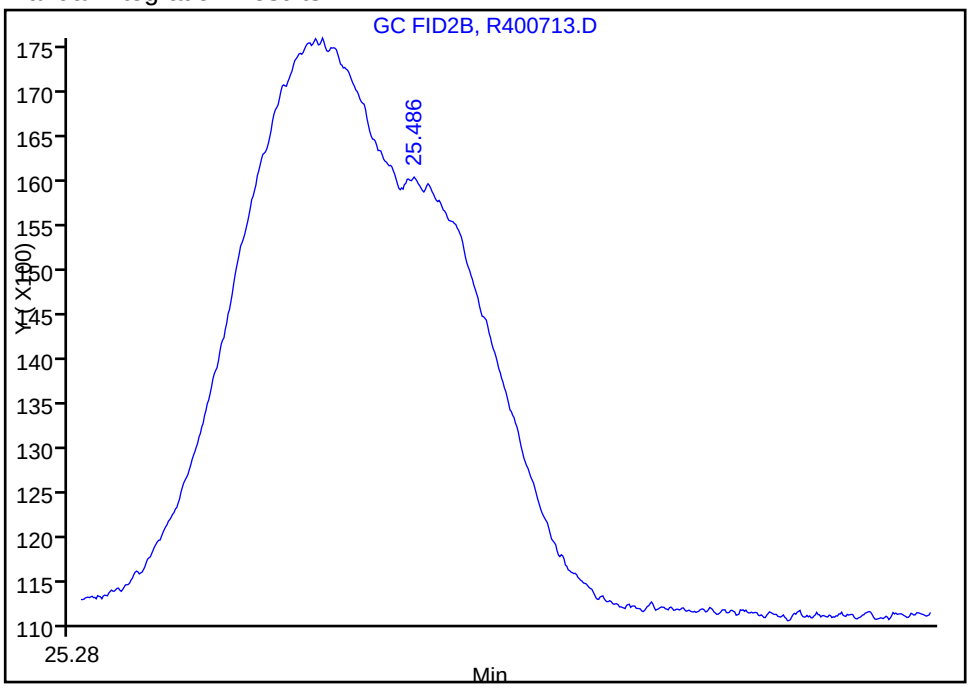
Processing Integration Results

RT: 25.49
Response: 265
Amount: 0.046840



Manual Integration Results

RT: 25.49
Response: 18444
Amount: 0.120960



Reviewer: malanowskiv, 06-Nov-2011 12:03:50
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Lims ID:	std05	Client ID:	
Inject. Date:	04-Nov-2011 16:07:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	std05		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	82885	Lims Sample ID:	3
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:21	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:21

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	74812	0.6280	
$ 2 2-Bromonaphthalene						
1	6.795	6.807	-0.012	47825	0.6068	
$ 3 o-Terphenyl						
1	10.392	10.414	-0.022	96457	0.5397	
$ 4 1-Chlorooctadecane						
2	13.980	13.989	-0.009	66681	0.4348	
5 n-Nonane						
2	3.316	3.320	-0.004	94503	0.3909	
6 n-Decane						
2	4.119	4.125	-0.006	88951	0.4476	
7 Naphthalene						
1	4.694	4.701	-0.007	96134	0.5429	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	96856	0.5644	
9 Dodecane						M
2	5.681	5.685	-0.004	81949	0.4335	M
11 Acenaphthylene						
1	6.605	6.620	-0.015	97461	0.5449	
12 Acenaphthene						
1	6.882	6.900	-0.018	97425	0.5465	
15 n-Tetradecane						
2	7.344	7.345	-0.001	86676	0.4241	
14 Fluorene						
1	7.693	7.711	-0.018	101986	0.5896	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	79421	0.4318	
16 Phenanthrene						
1	9.439	9.463	-0.024	86158	0.5207	
17 Anthracene						
1	9.527	9.555	-0.028	93698	0.4994	
20 n-Octadecane						
2	11.225	11.231	-0.006	79063	0.4335	
19 Fluoranthene						
1	11.928	11.959	-0.031	83895	0.5318	
22 C19						
2	12.192	12.202	-0.010	76763	0.4328	
21 Pyrene						
1	12.389	12.421	-0.032	92906	0.5522	
23 icosane						
2	13.135	13.145	-0.010	76021	0.4324	
27 n-Docosane						
2	14.930	14.940	-0.010	77725	0.4427	
24 Benzo[a]anthracene						
1	15.114	15.147	-0.033	77608	0.4771	
25 Chrysene						
1	15.204	15.245	-0.041	92076	0.5282	
28 n-Tetracosane						
2	16.593	16.605	-0.012	77831	0.4365	
29 Benzo[b]fluoranthene						
1	17.430	17.471	-0.041	77826	0.4715	
30 Benzo[k]fluoranthene						
1	17.479	17.537	-0.058	96820	0.2820	
31 Benzo[a]pyrene						M
1	18.044	18.091	-0.047	87255	0.5225	M
32 n-Hexacosane						
2	18.139	18.150	-0.011	84479	0.4019	
35 n-Octacosane						
2	19.575	19.586	-0.011	82434	0.4095	
33 Indeno[1,2,3-cd]pyrene						
1	20.072	20.124	-0.052	64477	0.3601	
34 Dibenz(a,h)anthracene						M
1	20.145	20.237	-0.092	71105	0.4073	M
36 Benzo[g,h,i]perylene						
1	20.478	20.473	0.005	64698	0.3622	
37 Triacontane						
2	20.916	20.932	-0.016	77925	0.4275	
38 n-Hexatriacontane						
2	25.515	25.525	-0.010	80420	0.5274	
S 44 EPH Adjustment 1						
1					7.54	
S 42 C11-C22 Aromatics (Adjusted)						
2					7.54	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 43 Total EPH						
2					-7.54	

QC Flag Legend

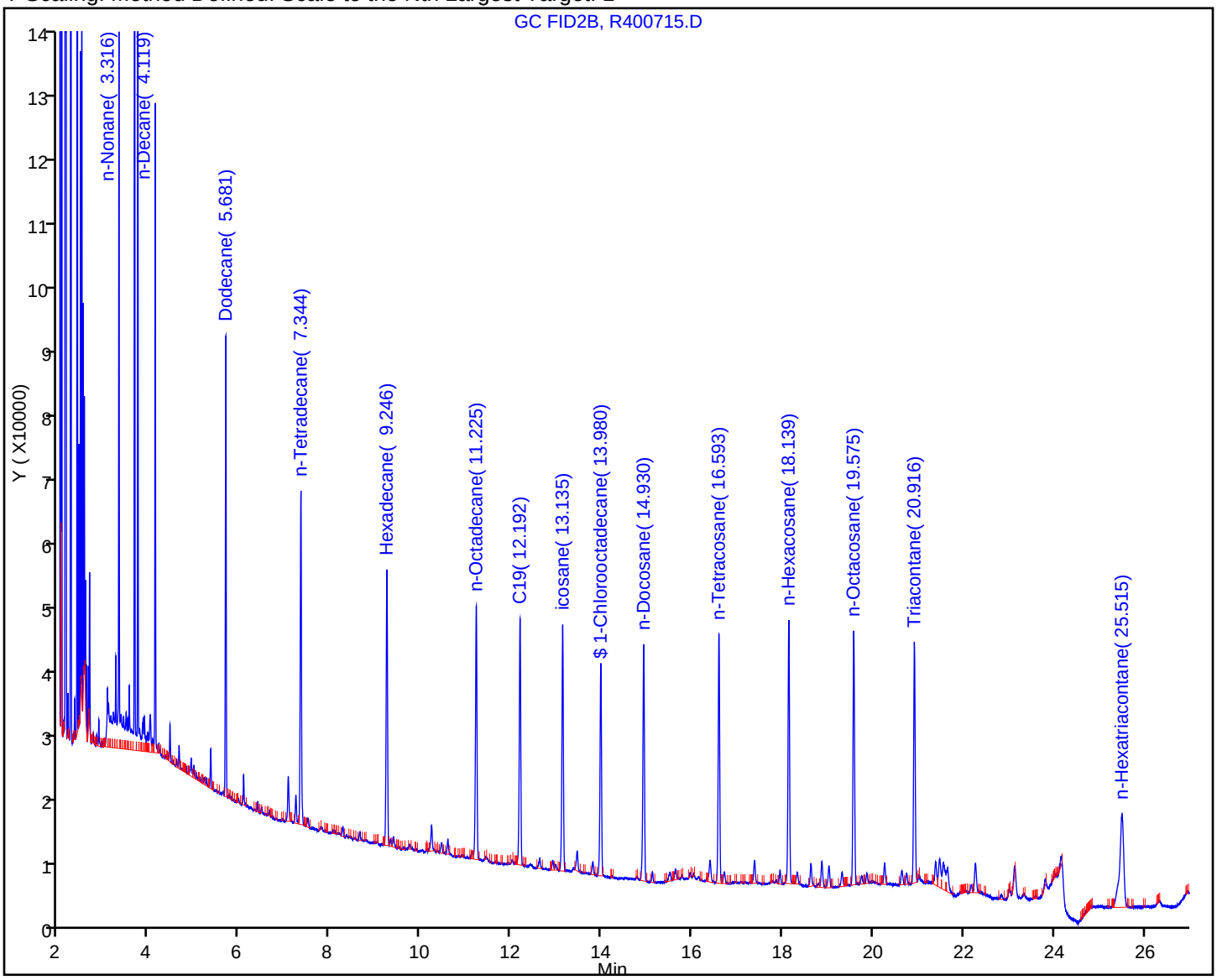
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:23 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D

Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Nov-2011 10:39:23 Chrom Revision: 2.0 29-Sep-2011 09:38:02

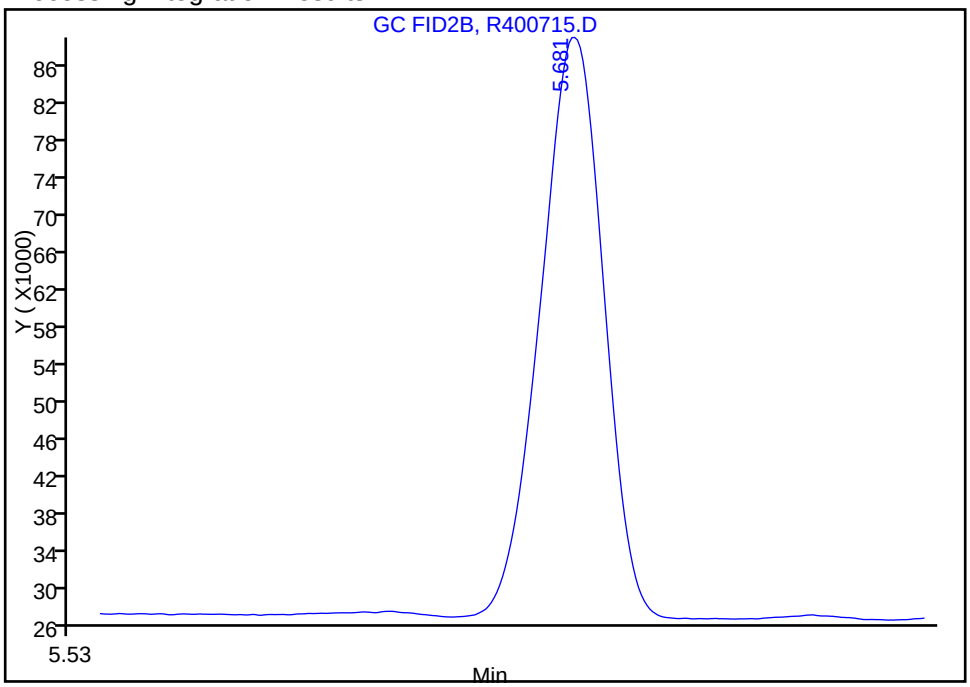
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

9 Dodecane, Signal: 1, Type: quant, RT: 5.68, Det: GC FID2B

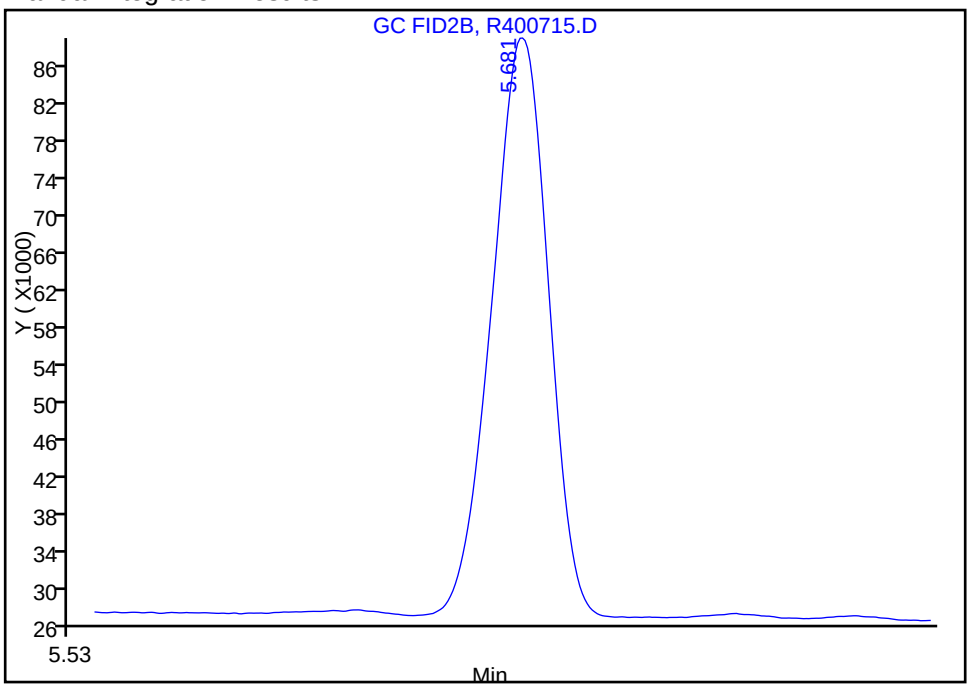
Processing Integration Results

RT: 5.68
Response: 44071
Amount: 0.265476



Manual Integration Results

RT: 5.68
Response: 81949
Amount: 0.433498



Reviewer: malanowskiv, 06-Nov-2011 12:05:21
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Lims ID:	std1	Client ID:	
Inject. Date:	04-Nov-2011 16:41:15	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	std1		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	82885	Lims Sample ID:	4
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:43	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:30

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.936	5.946	-0.010	136417	1.02	
$ 2 2-Bromonaphthalene						
1	6.794	6.807	-0.013	90928	1.02	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	178742	1.00	
$ 4 1-Chlorooctadecane						
2	13.979	13.989	-0.010	157720	1.03	
5 n-Nonane						
2	3.316	3.320	-0.004	191340	0.9313	
6 n-Decane						
2	4.120	4.125	-0.005	198910	1.00	
7 Naphthalene						
1	4.694	4.701	-0.007	174008	0.9827	
8 2-Methylnaphthalene						
1	5.461	5.471	-0.010	172711	1.01	
9 Dodecane						
2	5.681	5.685	-0.004	193561	1.02	
11 Acenaphthylene						
1	6.604	6.620	-0.016	173931	0.9724	
12 Acenaphthene						
1	6.881	6.900	-0.019	182766	1.03	
15 n-Tetradecane						
2	7.341	7.345	-0.004	195113	1.03	
14 Fluorene						
1	7.693	7.711	-0.018	178603	1.03	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.245	9.253	-0.008	188032	1.02	
16 Phenanthrene						
1	9.438	9.463	-0.025	160147	0.9679	
17 Anthracene						
1	9.526	9.555	-0.029	169140	0.9883	
20 n-Octadecane						
2	11.221	11.231	-0.010	186018	1.02	
19 Fluoranthene						
1	11.926	11.959	-0.033	153338	0.9721	
22 C19						
2	12.191	12.202	-0.011	181606	1.02	
21 Pyrene						
1	12.386	12.421	-0.035	172200	1.02	
23 icosane						
2	13.133	13.145	-0.012	179530	1.02	
27 n-Docosane						
2	14.925	14.940	-0.015	181581	1.03	
24 Benzo[a]anthracene						
1	15.113	15.147	-0.034	143301	0.9465	
25 Chrysene						
1	15.198	15.245	-0.047	166003	1.04	
28 n-Tetracosane						
2	16.591	16.605	-0.014	185952	1.04	
29 Benzo[b]fluoranthene						
1	17.426	17.471	-0.045	137895	0.9037	
30 Benzo[k]fluoranthene						
1	17.476	17.537	-0.061	170315	0.8341	
31 Benzo[a]pyrene						M
1	18.041	18.091	-0.050	150008	0.9662	M
32 n-Hexacosane						
2	18.134	18.150	-0.016	196881	1.07	
35 n-Octacosane						
2	19.576	19.586	-0.010	195174	1.07	
33 Indeno[1,2,3-cd]pyrene						
1	20.070	20.124	-0.054	119076	0.7869	
34 Dibenz(a,h)anthracene						M
1	20.140	20.237	-0.097	127477	0.8596	M
36 Benzo[g,h,i]perylene						
1	20.476	20.473	0.003	119837	0.8043	
37 Triacontane						
2	20.914	20.932	-0.018	186927	1.03	
38 n-Hexatriacontane						
2	25.510	25.525	-0.015	158822	1.04	
S 43 Total EPH						
2					-14.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					14.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					14.5	

QC Flag Legend

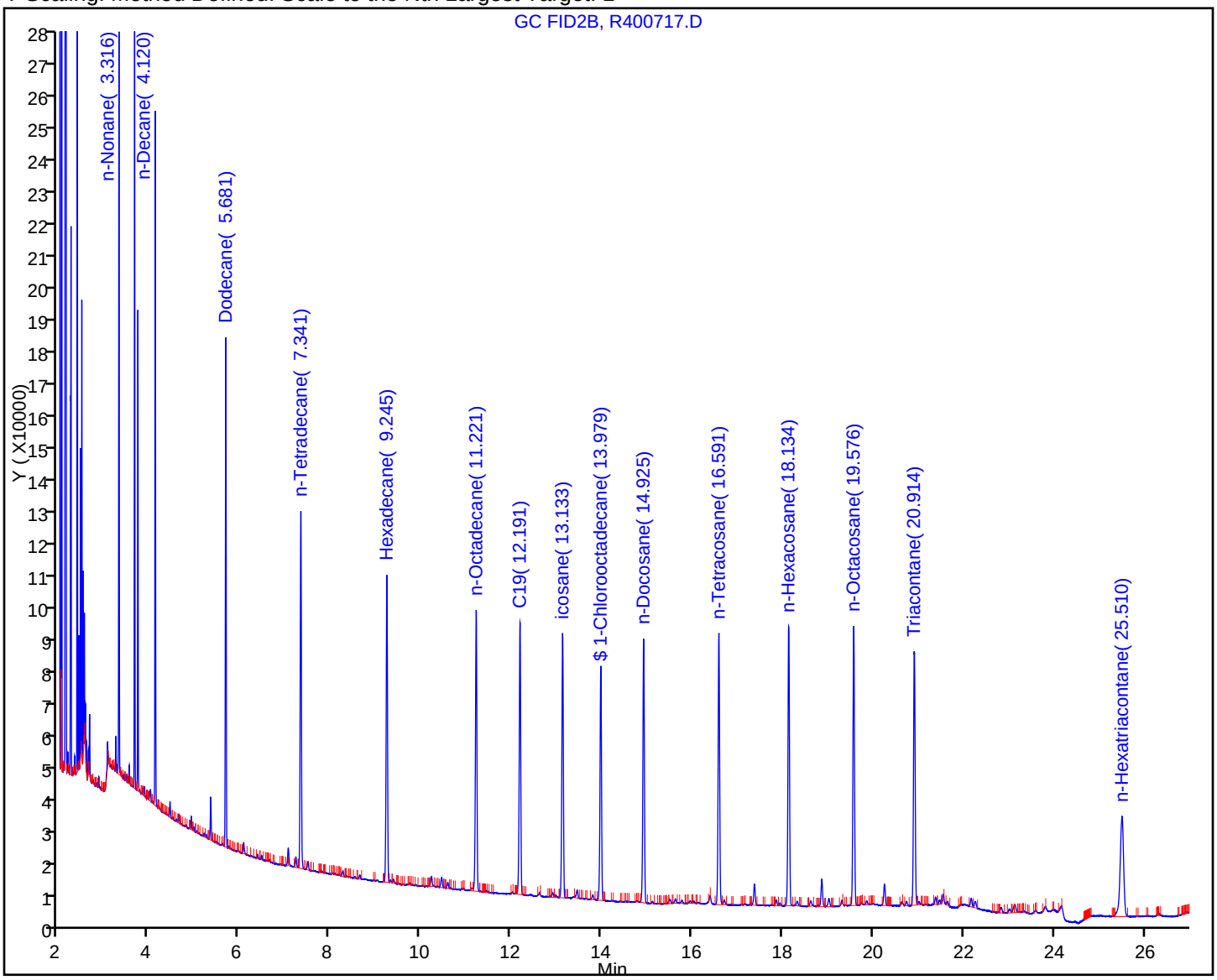
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D

Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D		
Lims ID:	std5	Client ID:	
Inject. Date:	04-Nov-2011 17:14:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	std5		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	82885	Lims Sample ID:	5
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:42:28	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

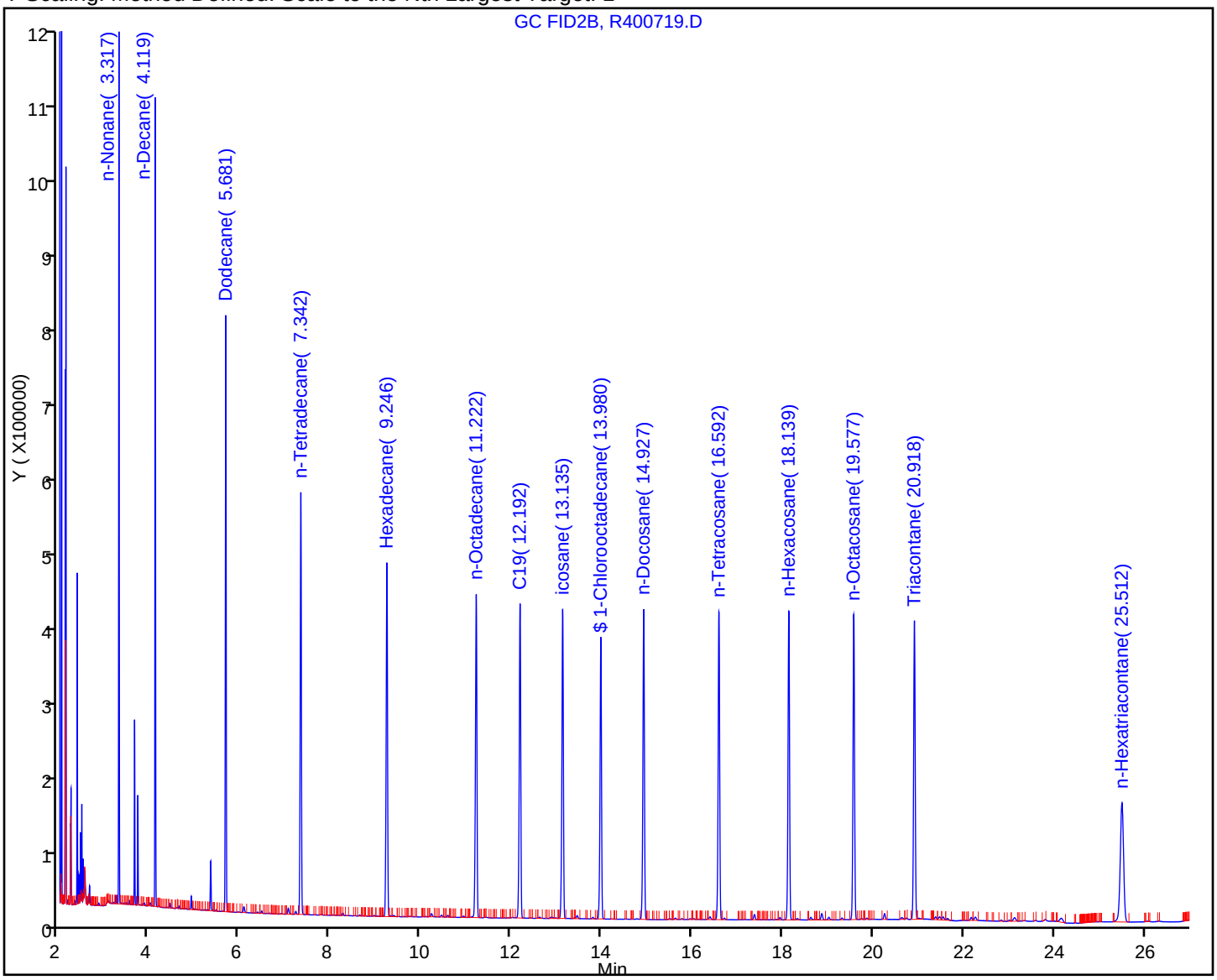
First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:37

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.937	0.000	603355	4.50	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	410427	4.63	
$ 3 o-Terphenyl						
1	10.396	10.396	0.000	760924	4.26	
$ 4 1-Chlorooctadecane						
2	13.980	13.980	0.000	835953	5.45	
5 n-Nonane						
2	3.317	3.317	0.000	1008687	5.49	
6 n-Decane						
2	4.119	4.119	0.000	1040458	5.24	
7 Naphthalene						
1	4.693	4.693	0.000	771947	4.36	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	744942	4.34	
9 Dodecane						
2	5.681	5.681	0.000	1032141	5.46	
11 Acenaphthylene						
1	6.606	6.606	0.000	756372	4.23	
12 Acenaphthene						
1	6.882	6.882	0.000	760273	4.26	
15 n-Tetradecane						
2	7.342	7.342	0.000	1009032	5.55	
14 Fluorene						
1	7.693	7.693	0.000	755459	4.37	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	997130	5.42	
16 Phenanthrene						
1	9.440	9.440	0.000	711995	4.30	
17 Anthracene						
1	9.527	9.527	0.000	729745	4.62	
20 n-Octadecane						
2	11.222	11.222	0.000	981231	5.38	
19 Fluoranthene						
1	11.930	11.930	0.000	680868	4.32	
22 C19						
2	12.192	12.192	0.000	962882	5.43	
21 Pyrene						
1	12.390	12.390	0.000	736222	4.38	
23 icosane						
2	13.135	13.135	0.000	950809	5.41	
27 n-Docosane						
2	14.927	14.927	0.000	957825	5.46	
24 Benzo[a]anthracene						
1	15.112	15.112	0.000	628333	4.41	
25 Chrysene						
1	15.202	15.202	0.000	677626	4.58	
28 n-Tetracosane						
2	16.592	16.592	0.000	954740	5.35	
29 Benzo[b]fluoranthene						
1	17.427	17.427	0.000	616939	4.35	
30 Benzo[k]fluoranthene						
1	17.477	17.477	0.000	645189	4.40	
31 Benzo[a]pyrene						
1	18.042	18.042	0.000	635440	4.40	
32 n-Hexacosane						
2	18.139	18.139	0.000	969840	5.65	
35 n-Octacosane						
2	19.577	19.577	0.000	964729	5.55	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.073	0.000	532116	4.02	
34 Dibenz(a,h)anthracene						
1	20.145	20.145	0.000	564005	4.36	
36 Benzo[g,h,i]perylene						
1	20.482	20.482	0.000	533172	4.12	
37 Triacontane						
2	20.918	20.918	0.000	957852	5.25	
38 n-Hexatriacontane						
2	25.512	25.512	0.000	816525	5.35	
A 39 C9-C18 Aliphatics						
2	7.278	3.217 - 11.322		13287798	32.2	
A 40 C11-C22 Aromatics						
1	12.793	4.593 - 20.861		13032461	83.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.538	11.322	-25.765	11820018	40.3	
S 43 Total EPH						
2					90.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					18.2	
S 44 EPH Adjustment 1						
1					65.4	

Report Date: 08-Nov-2011 10:42:30 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D
Injection Date: 04-Nov-2011 17:14:54 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 82885 Lims Sample ID: 5
Operator ID: CT Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Lims ID:	std10	Client ID:	
Inject. Date:	04-Nov-2011 17:48:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	std10		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	82885	Lims Sample ID:	6
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:13	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.937	0.001	1383915	10.3	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	947780	10.7	
$ 3 o-Terphenyl						
1	10.397	10.396	0.001	1715418	9.60	
$ 4 1-Chlorooctadecane						
2	13.981	13.980	0.001	1493643	9.74	
5 n-Nonane						
2	3.317	3.317	0.000	1809092	9.96	
6 n-Decane						
2	4.121	4.119	0.002	1866122	9.39	
7 Naphthalene						
1	4.694	4.693	0.001	1780100	10.1	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	1723614	10.0	
9 Dodecane						
2	5.682	5.681	0.001	1852722	9.80	
11 Acenaphthylene						
1	6.606	6.606	0.000	1715710	9.59	
12 Acenaphthene						
1	6.885	6.882	0.003	1730536	9.71	
15 n-Tetradecane						
2	7.343	7.342	0.001	1804162	9.98	
14 Fluorene						
1	7.695	7.693	0.002	1710479	9.89	

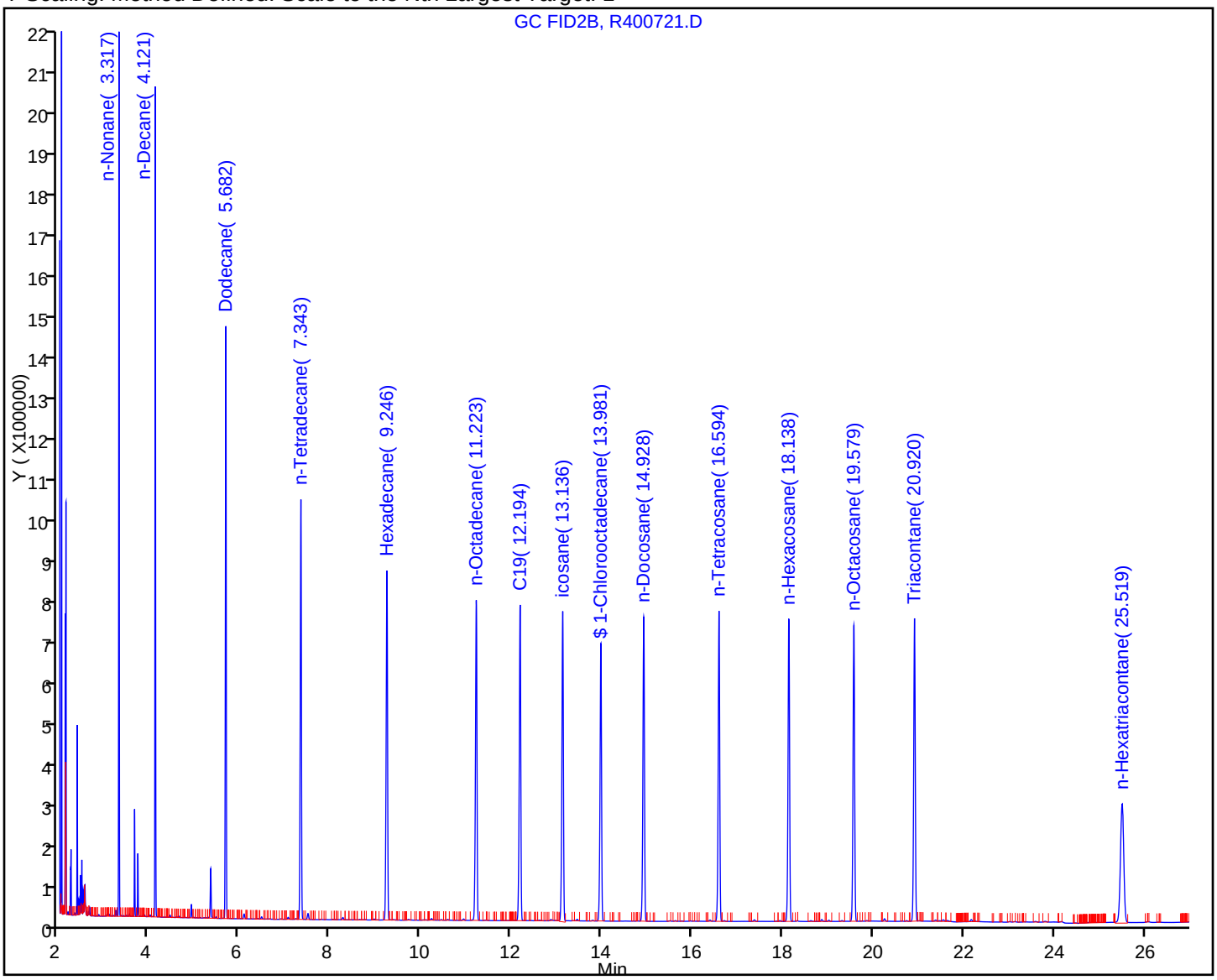
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	1783806	9.70	
16 Phenanthrene						
1	9.443	9.440	0.003	1626129	9.83	
17 Anthracene						
1	9.530	9.527	0.003	1646405	10.6	
20 n-Octadecane						
2	11.223	11.222	0.001	1751948	9.60	
19 Fluoranthene						
1	11.934	11.930	0.004	1548141	9.81	
22 C19						
2	12.194	12.192	0.002	1723266	9.72	
21 Pyrene						
1	12.392	12.390	0.002	1655065	9.84	
23 icosane						M
2	13.136	13.135	0.001	1718339	9.77	M
27 n-Docosane						
2	14.928	14.927	0.001	1707750	9.73	
24 Benzo[a]anthracene						
1	15.120	15.112	0.008	1427799	10.1	
25 Chrysene						
1	15.207	15.202	0.005	1508512	10.3	
28 n-Tetracosane						
2	16.594	16.592	0.002	1695943	9.51	
29 Benzo[b]fluoranthene						
1	17.439	17.427	0.012	1401170	10.0	
30 Benzo[k]fluoranthene						
1	17.487	17.477	0.010	1438171	10.4	
31 Benzo[a]pyrene						
1	18.049	18.042	0.007	1432623	10.0	
32 n-Hexacosane						
2	18.138	18.139	-0.001	1707752	10.0	
35 n-Octacosane						
2	19.579	19.577	0.002	1703640	9.86	
33 Indeno[1,2,3-cd]pyrene						
1	20.083	20.073	0.010	1229760	9.47	
34 Dibenz(a,h)anthracene						
1	20.147	20.145	0.002	1257320	9.92	
36 Benzo[g,h,i]perylene						
1	20.492	20.482	0.010	1211484	9.56	
37 Triacontane						
2	20.920	20.918	0.002	1700410	9.33	
38 n-Hexatriacontane						M
2	25.519	25.512	0.007	1476363	9.68	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		16605628	50.1	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		28110201	100.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	17408993	73.4	
S 44 EPH Adjustment 1						
1					149.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					30.6	
S 43 Total EPH						
2					154.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:46:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D
Injection Date: 04-Nov-2011 17:48:32 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 82885 Lims Sample ID: 6
Operator ID: CT Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



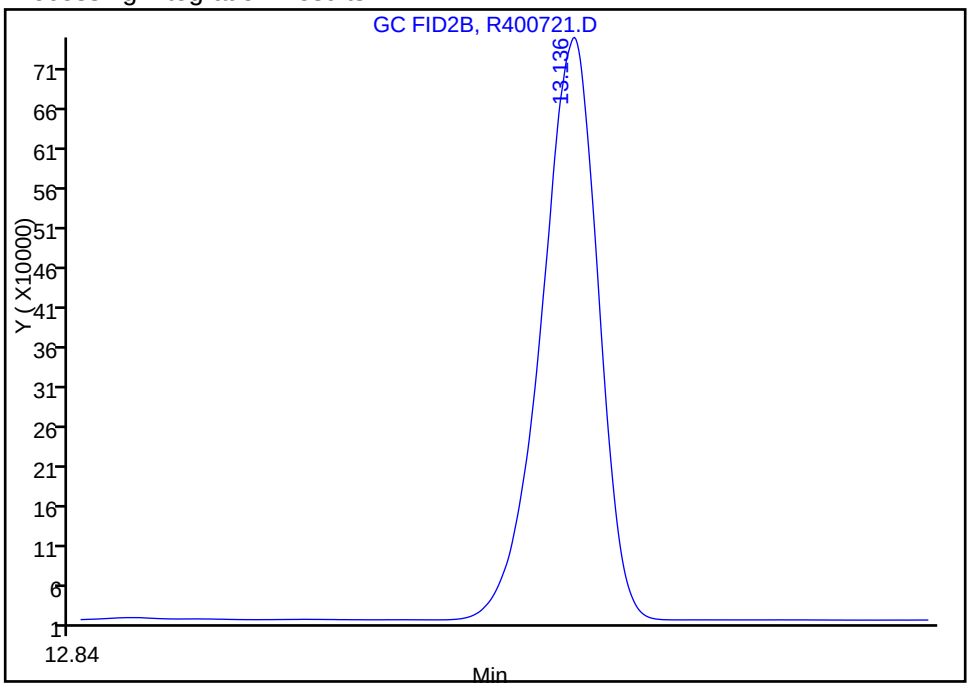
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

23 icosane, Signal: 1, Type: quant, RT: 13.13, Det: GC FID2B

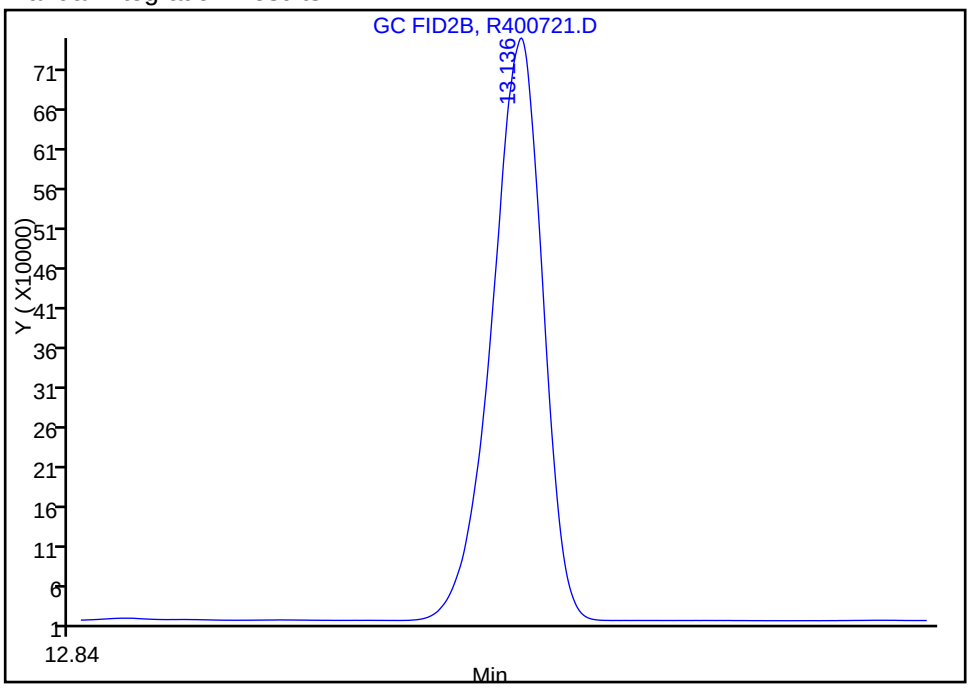
Processing Integration Results

RT: 13.14
Response: 972574
Amount: 5.728013



Manual Integration Results

RT: 13.14
Response: 1718339
Amount: 9.774115



Reviewer: malanowskiv, 06-Nov-2011 12:25:37
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:46:15 Chrom Revision: 2.0 29-Sep-2011 09:38:02

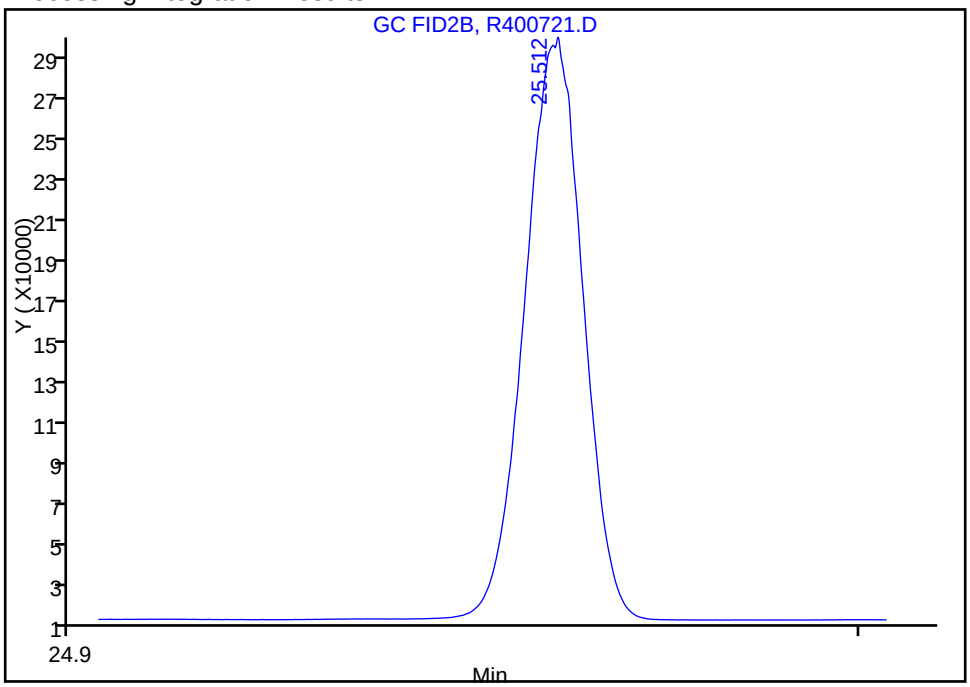
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.51, Det: GC FID2B

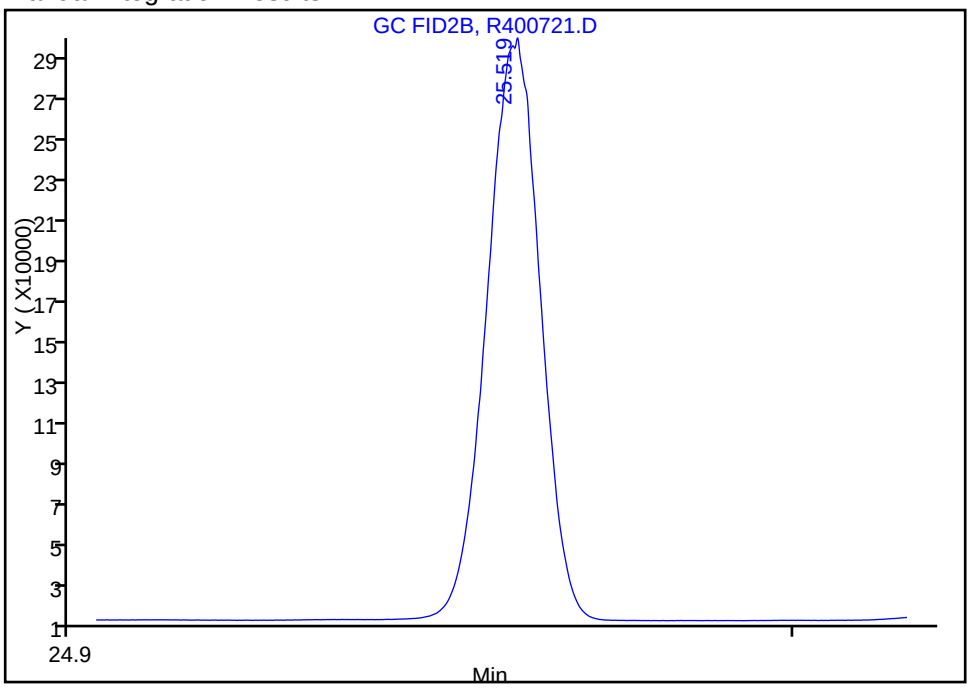
Processing Integration Results

RT: 25.51
Response: 743146
Amount: 8.037837



Manual Integration Results

RT: 25.52
Response: 1476363
Amount: 9.682328



Reviewer: malanowskiv, 06-Nov-2011 12:25:37
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D		
Lims ID:	std25	Client ID:	
Inject. Date:	04-Nov-2011 18:22:16	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	std25		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	82885	Lims Sample ID:	7
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:35	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:26

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.937	0.002	3272150	24.4	
$ 2 2-Bromonaphthalene						
1	6.799	6.795	0.004	2219193	25.0	
$ 3 o-Terphenyl						
1	10.403	10.396	0.007	4019543	22.5	
$ 4 1-Chlorooctadecane						
2	13.984	13.980	0.004	3641764	23.7	
5 n-Nonane						
2	3.318	3.317	0.001	4377354	24.3	
6 n-Decane						
2	4.122	4.119	0.003	4503826	22.7	
7 Naphthalene						
1	4.695	4.693	0.002	4199707	23.7	
8 2-Methylnaphthalene						
1	5.465	5.462	0.003	4062551	23.7	
9 Dodecane						
2	5.683	5.681	0.002	4478288	23.7	
11 Acenaphthylene						
1	6.611	6.606	0.005	4040368	22.6	
12 Acenaphthene						
1	6.889	6.882	0.007	4055729	22.8	
15 n-Tetradecane						
2	7.345	7.342	0.003	4377639	24.3	
14 Fluorene						
1	7.702	7.693	0.009	4000063	23.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.246	0.005	4324561	23.5	
16 Phenanthrene						
1	9.450	9.440	0.010	3799841	23.0	
17 Anthracene						
1	9.539	9.527	0.012	3764648	24.3	
20 n-Octadecane						
2	11.230	11.222	0.008	4270937	23.4	
19 Fluoranthene						
1	11.943	11.930	0.013	3664943	23.2	
22 C19						
2	12.198	12.192	0.006	4203875	23.7	
21 Pyrene						
1	12.402	12.390	0.012	3886049	23.1	
23 icosane						
2	13.142	13.135	0.007	4135090	23.5	
27 n-Docosane						
2	14.935	14.927	0.008	4155128	23.7	
24 Benzo[a]anthracene						
1	15.131	15.112	0.019	3398887	24.2	
25 Chrysene						
1	15.224	15.202	0.022	3556001	24.5	
28 n-Tetracosane						
2	16.600	16.592	0.008	4156516	23.3	
29 Benzo[b]fluoranthene						
1	17.452	17.427	0.025	3358183	24.1	
30 Benzo[k]fluoranthene						
1	17.507	17.477	0.030	3383480	25.0	
31 Benzo[a]pyrene						
1	18.068	18.042	0.026	3408988	24.0	
32 n-Hexacosane						
2	18.147	18.139	0.008	4203409	24.8	
35 n-Octacosane						
2	19.583	19.577	0.006	4221496	24.5	
33 Indeno[1,2,3-cd]pyrene						
1	20.103	20.073	0.030	3014627	23.4	
34 Dibenz(a,h)anthracene						
1	20.167	20.145	0.022	2956340	23.6	
36 Benzo[g,h,i]perylene						
1	20.513	20.482	0.031	2936197	23.4	
37 Triacontane						
2	20.926	20.918	0.008	4185801	23.0	
38 n-Hexatriacontane						
2	25.527	25.512	0.015	3536636	23.2	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		35718196	153.3	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		63975201	410.4	

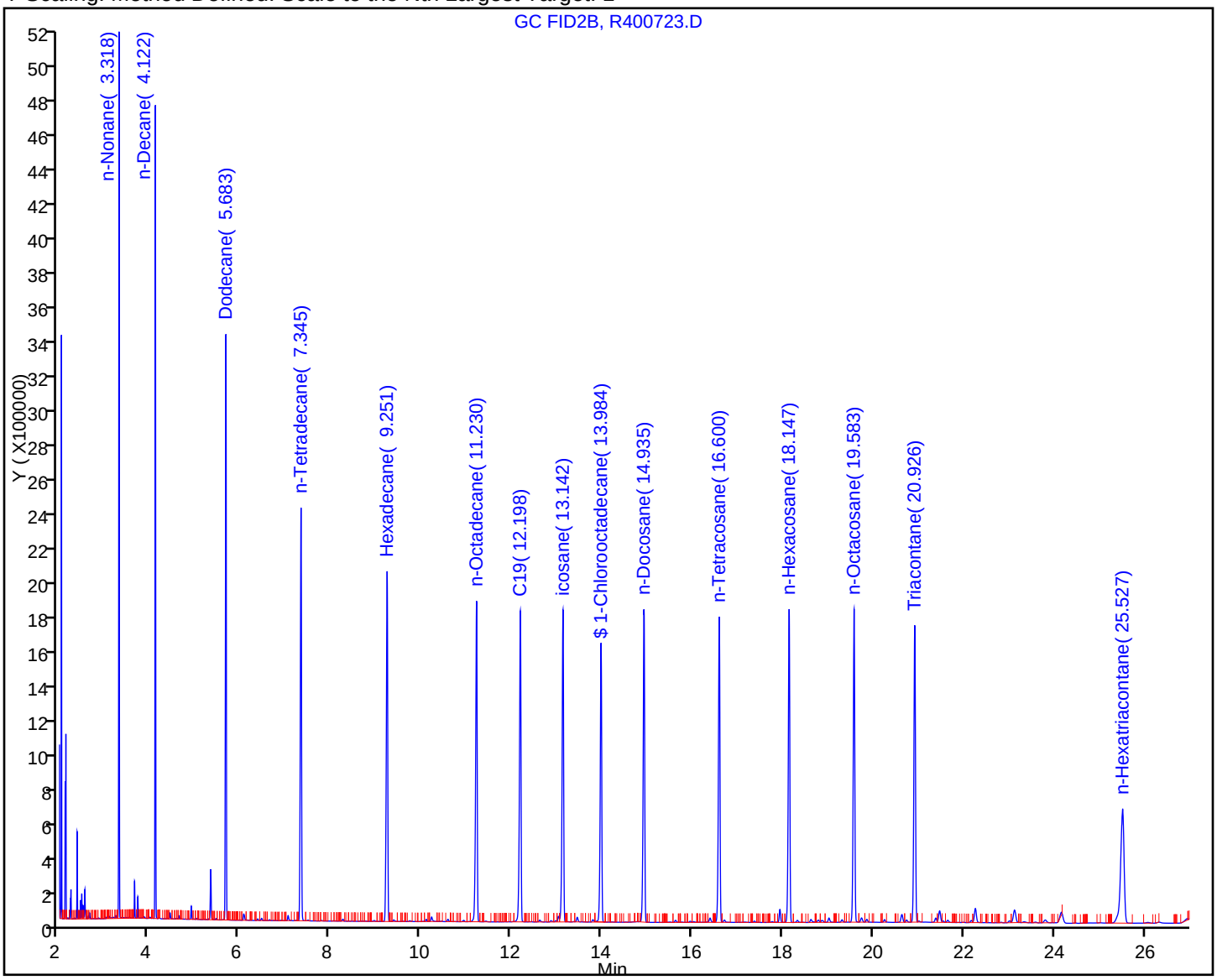
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	40071233	208.0	
S 43 Total EPH						
2					417.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					55.8	
S 44 EPH Adjustment 1						
1					354.6	

Report Date: 08-Nov-2011 10:46:36 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D

Injection Date:	04-Nov-2011 18:22:16	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Lims ID:	std100	Client ID:	
Inject. Date:	04-Nov-2011 19:29:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	std100		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	82885	Lims Sample ID:	8
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:26	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.952	5.937	0.015	14215423	102.1	
$ 2 2-Bromonaphthalene						
1	6.817	6.795	0.022	9233617	100.2	
$ 3 o-Terphenyl						
1	10.429	10.396	0.033	16741411	93.7	
$ 4 1-Chlorooctadecane						
2	14.007	13.980	0.027	14226897	92.8	
5 n-Nonane						
2	3.327	3.317	0.010	18211050	101.5	
6 n-Decane						
2	4.132	4.119	0.013	18796584	94.6	
7 Naphthalene						
1	4.707	4.693	0.014	17824535	100.7	
8 2-Methylnaphthalene						
1	5.478	5.462	0.016	17223002	100.4	
9 Dodecane						
2	5.692	5.681	0.011	18661498	98.7	
11 Acenaphthylene						
1	6.630	6.606	0.024	16998474	95.0	
12 Acenaphthene						
1	6.913	6.882	0.031	16941685	95.0	
15 n-Tetradecane						
2	7.355	7.342	0.013	18072917	100.5	
14 Fluorene						
1	7.727	7.693	0.034	16764188	96.9	

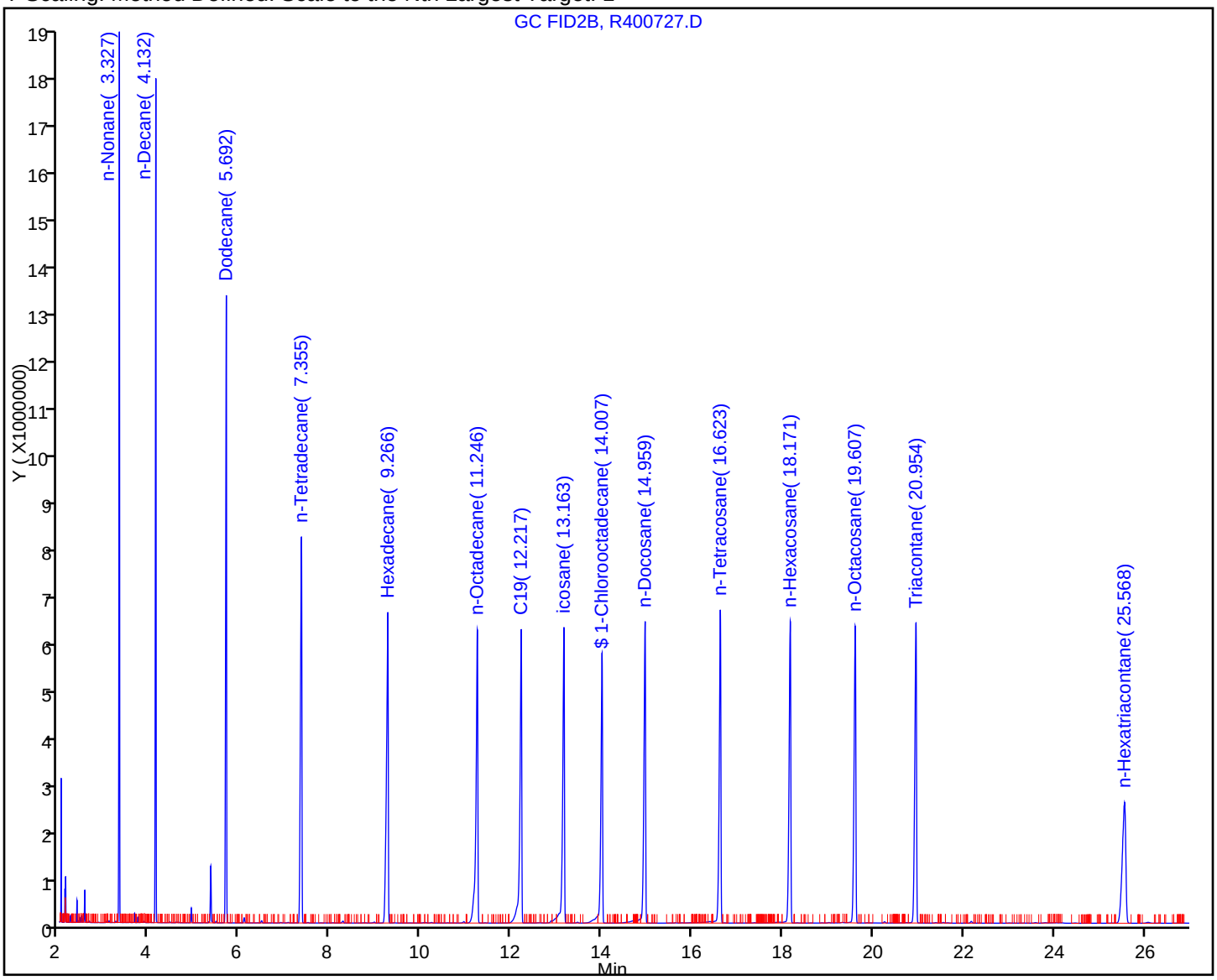
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.266	9.246	0.020	17883375	97.2	
16 Phenanthrene						
1	9.481	9.440	0.041	16211326	98.0	
17 Anthracene						
1	9.577	9.527	0.050	15941768	103.2	
20 n-Octadecane						
2	11.246	11.222	0.024	17579906	96.4	
19 Fluoranthene						
1	11.980	11.930	0.050	15541500	98.5	
22 C19						
2	12.217	12.192	0.025	17308446	97.6	
21 Pyrene						
1	12.443	12.390	0.053	16246645	96.6	
23 icosane						
2	13.163	13.135	0.028	16639428	94.6	
27 n-Docosane						
2	14.959	14.927	0.032	16360413	93.2	
24 Benzo[a]anthracene						
1	15.174	15.112	0.062	14348101	102.5	
25 Chrysene						
1	15.278	15.202	0.076	14904263	103.0	
28 n-Tetracosane						
2	16.623	16.592	0.031	16666913	93.5	
29 Benzo[b]fluoranthene						
1	17.499	17.427	0.072	15091168	108.5	
30 Benzo[k]fluoranthene						
1	17.574	17.477	0.097	13531770	101.2	
31 Benzo[a]pyrene						M
1	18.131	18.042	0.089	14650836	103.5	M
32 n-Hexacosane						
2	18.171	18.139	0.032	16975846	100.5	
35 n-Octacosane						
2	19.607	19.577	0.030	17077930	99.5	
33 Indeno[1,2,3-cd]pyrene						
1	20.184	20.073	0.111	12858055	100.4	
34 Dibenz(a,h)anthracene						M
1	20.237	20.145	0.092	12770021	102.3	M
36 Benzo[g,h,i]perylene						
1	20.589	20.482	0.107	12555380	100.5	
37 Triacontane						
2	20.954	20.918	0.036	17192252	94.3	
38 n-Hexatriacontane						
2	25.568	25.512	0.056	13851517	90.8	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		116436741	589.0	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		264970279	1698.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	140145386	802.1	
S 44 EPH Adjustment 1						
1					1503.4	
S 42 C11-C22 Aromatics (Adjusted)						
2					196.3	
S 43 Total EPH						
2					1587.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D
Injection Date: 04-Nov-2011 19:29:41 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 82885 Lims Sample ID: 8
Operator ID: CT Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Lims ID:	std200	Client ID:	
Inject. Date:	04-Nov-2011 20:03:23	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	std200		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	82885	Lims Sample ID:	9
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:49	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.963	5.937	0.026	27219328	191.3	
$ 2 2-Bromonaphthalene						
1	6.832	6.795	0.037	18004776	191.3	
$ 3 o-Terphenyl						
1	10.450	10.396	0.054	31401850	175.7	
$ 4 1-Chlorooctadecane						
2	14.026	13.980	0.046	27871700	181.8	
5 n-Nonane						
2	3.332	3.317	0.015	35355401	197.2	
6 n-Decane						
2	4.142	4.119	0.023	36501217	183.7	
7 Naphthalene						
1	4.718	4.693	0.025	34019279	192.1	
8 2-Methylnaphthalene						
1	5.490	5.462	0.028	32899396	191.7	
9 Dodecane						
2	5.700	5.681	0.019	36255572	191.8	
11 Acenaphthylene						
1	6.646	6.606	0.040	32474003	181.6	
12 Acenaphthene						
1	6.934	6.882	0.052	32643392	183.1	
15 n-Tetradecane						
2	7.367	7.342	0.025	35180388	195.6	
14 Fluorene						
1	7.746	7.693	0.053	32103683	185.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.280	9.246	0.034	34884004	189.6	
16 Phenanthrene						
1	9.505	9.440	0.065	31316706	189.3	
17 Anthracene						
1	9.607	9.527	0.080	30036930	194.6	
20 n-Octadecane						
2	11.265	11.222	0.043	34238156	187.7	
19 Fluoranthene						
1	12.010	11.930	0.080	29525692	187.2	
22 C19						
2	12.239	12.192	0.047	33765177	190.4	
21 Pyrene						
1	12.480	12.390	0.090	30819194	183.2	
23 icosane						
2	13.185	13.135	0.050	31423185	178.7	
27 n-Docosane						
2	14.979	14.927	0.052	32476339	185.0	
24 Benzo[a]anthracene						
1	15.204	15.112	0.092	27510479	196.5	
25 Chrysene						
1	15.322	15.202	0.120	28166036	194.7	
28 n-Tetracosane						
2	16.645	16.592	0.053	32590752	182.8	
29 Benzo[b]fluoranthene						M
1	17.556	17.427	0.129	26645481	191.6	M
30 Benzo[k]fluoranthene						M
1	17.629	17.477	0.152	25896085	194.1	M
31 Benzo[a]pyrene						
1	18.175	18.042	0.133	27713144	195.9	
32 n-Hexacosane						
2	18.191	18.139	0.052	33162196	196.4	
35 n-Octacosane						
2	19.630	19.577	0.053	33519195	195.4	
36 Benzo[g,h,i]perylene						M
1	20.655	20.482	0.173	25161350	201.6	M
37 Triacontane						
2	20.977	20.918	0.059	33854159	185.7	
38 n-Hexatriacontane						M
2	25.616	25.512	0.104	27729888	181.9	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		226814494	1184.9	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		506951589	3252.1	
A 41 C19-C36 Aliphatics						
2	18.544	11.322 - 25.765		270729533	1577.3	
S 43 Total EPH						
2					2151.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 42 C11-C22 Aromatics (Adjusted)						
2					389.4	
S 44 EPH Adjustment 1						
1					2862.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:51 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D

Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



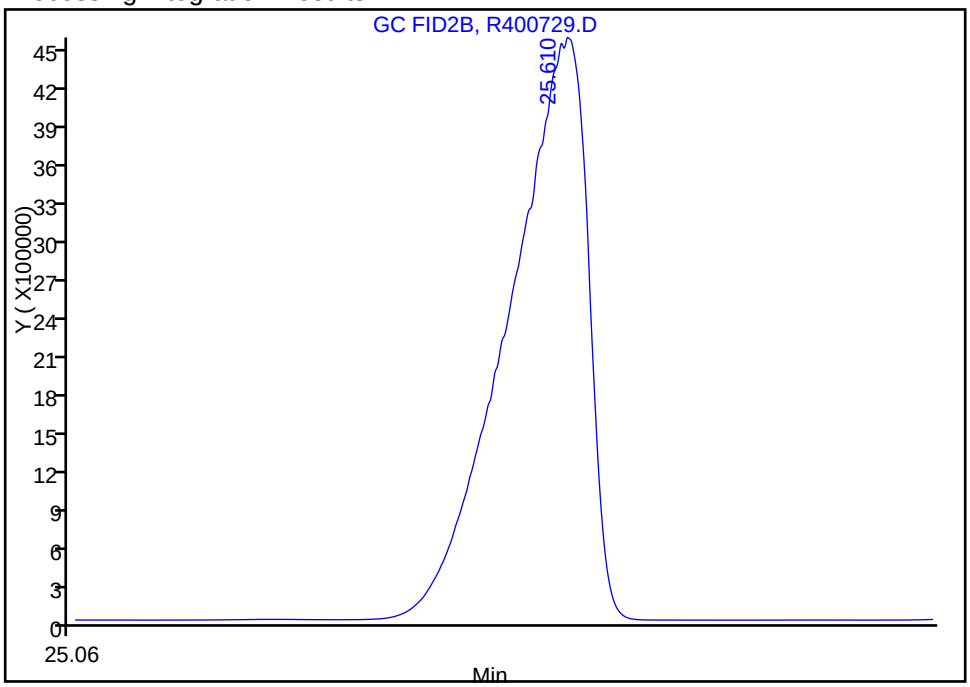
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.51, Det: GC FID2B

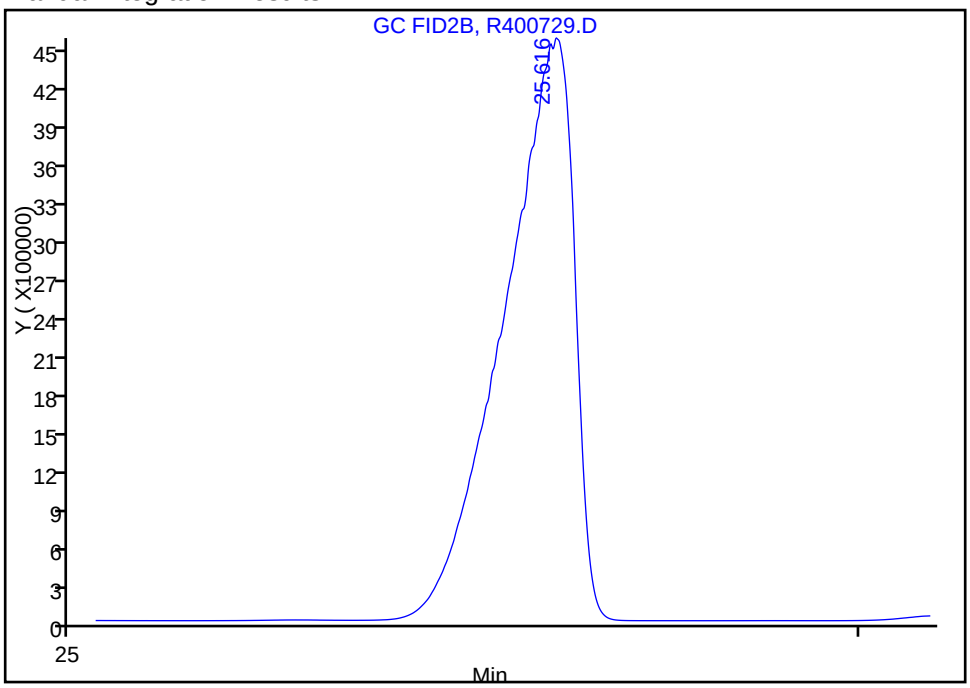
Processing Integration Results

RT: 25.61
Response: 3013059
Amount: 21.715961



Manual Integration Results

RT: 25.62
Response: 27729888
Amount: 181.8590



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVRT 360-84518/1 Calibration Date: 12/08/2011 13:08

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401855.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	151691		42.8	50.0	-14.3	25.0
2-Methylnaphthalene	Ave	171616	144913		42.2	50.0	-15.6	25.0
Acenaphthylene	Ave	178861	143489		40.1	50.0	-19.8	25.0
Acenaphthene	Ave	178269	144381		40.5	50.0	-19.0	25.0
Fluorene	Ave	172973	141066		40.8	50.0	-18.4	25.0
Phenanthrene	Ave	165465	134976		40.8	50.0	-18.4	25.0
Anthracene	Lin1		133019		43.0	50.0	-14.0	25.0
Fluoranthene	Ave	157744	131838		41.8	50.0	-16.4	25.0
Pyrene	Ave	168253	139280		41.4	50.0	-17.2	25.0
C11-C22 Aromatics (unadjusted)	Ave	155886	134265		732	850	-13.9	25.0
Benzo[a]anthracene	Lin1		125145		44.6	50.0	-10.8	25.0
Chrysene	Lin1		131045		45.2	50.0	-9.6	25.0
Benzo[b]fluoranthene	Lin1		128005		46.0	50.0	-8.0	25.0
Benzo[k]fluoranthene	Lin1		126770		47.2	50.0	-5.6	25.0
Benzo[a]pyrene	Lin1		129439		45.7	50.0	-8.6	25.0
Indeno[1,2,3-cd]pyrene	Lin1		115584		45.0	50.0	-10.0	25.0
Dibenz(a,h)anthracene	Lin1		106773		42.7	50.0	-14.6	25.0
Benzo[g,h,i]perylene	Lin1		109601		43.8	50.0	-12.4	25.0
2-Fluorobiphenyl	Ave	142273	116311		40.9	50.0	-18.2	25.0
2-Bromonaphthalene	Ave	94136	78112		41.5	50.0	-17.0	25.0
o-Terphenyl	Ave	178720	141656		39.6	50.0	-20.7	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVRT 360-84518/1 Calibration Date: 12/08/2011 13:08

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401855.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.62	6.52	6.72
Acenaphthene	6.90	6.80	7.00
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.55	9.45	9.65
Fluoranthene	11.96	11.86	12.06
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics (unadjusted)	12.80	4.60	21.01
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.25	15.15	15.35
Benzo[b]fluoranthene	17.48	17.38	17.58
Benzo[k]fluoranthene	17.54	17.44	17.64
Benzo[a]pyrene	18.10	18.00	18.20
Indeno[1,2,3-cd]pyrene	20.14	20.04	20.24
Dibenz(a,h)anthracene	20.21	20.11	20.31
Benzo[g,h,i]perylene	20.56	20.46	20.66
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.81	6.71	6.91
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401855.D
Lims ID: CCVRT Client ID:
Inject. Date: 08-Dec-2011 13:08:21 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84518 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:21:09 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:10:43

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.943	5.943	0.000	5815541	40.9	
$ 2 2-Bromonaphthalene						
1	6.806	6.806	0.000	3905621	41.5	
$ 3 o-Terphenyl						
1	10.412	10.412	0.000	7082794	39.6	
$ 4 1-Chlorooctadecane						
2	13.988	13.988	0.000	7469348	48.7	
5 n-Nonane						
2	3.313	3.313	0.000	9167546	51.0	
6 n-Decane						
2	4.117	4.117	0.000	9459686	47.6	
7 Naphthalene						
1	4.698	4.698	0.000	7584525	42.8	
8 2-Methylnaphthalene						
1	5.469	5.469	0.000	7245665	42.2	
9 Dodecane						
2	5.679	5.679	0.000	9387006	49.7	
11 Acenaphthylene						
1	6.618	6.618	0.000	7174441	40.1	
12 Acenaphthene						
1	6.898	6.898	0.000	7219060	40.5	
15 n-Tetradecane						
2	7.343	7.343	0.000	9083509	50.5	
14 Fluorene						
1	7.711	7.711	0.000	7053306	40.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.251	0.000	8989223	48.9	
16 Phenanthrene						
1	9.463	9.463	0.000	6748790	40.8	
17 Anthracene						
1	9.553	9.553	0.000	6650952	43.0	
20 n-Octadecane						
2	11.231	11.231	0.000	8849188	48.5	
19 Fluoranthene						
1	11.959	11.959	0.000	6591894	41.8	
22 C19						
2	12.199	12.199	0.000	8698087	49.0	
21 Pyrene						
1	12.421	12.421	0.000	6963982	41.4	
23 icosane						
2	13.143	13.143	0.000	8591005	48.9	
27 n-Docosane						
2	14.939	14.939	0.000	8556612	48.7	
24 Benzo[a]anthracene						
1	15.153	15.153	0.000	6257227	44.6	
25 Chrysene						
1	15.249	15.249	0.000	6552266	45.2	
28 n-Tetracosane						
2	16.605	16.605	0.000	8560777	48.0	
29 Benzo[b]fluoranthene						
1	17.478	17.478	0.000	6400271	46.0	
30 Benzo[k]fluoranthene						
1	17.543	17.543	0.000	6338484	47.2	
31 Benzo[a]pyrene						
1	18.100	18.100	0.000	6471955	45.7	
32 n-Hexacosane						
2	18.150	18.150	0.000	8714540	51.5	
35 n-Octacosane						
2	19.590	19.590	0.000	8825672	51.4	
33 Indeno[1,2,3-cd]pyrene						
1	20.141	20.141	0.000	5779181	45.0	
34 Dibenz(a,h)anthracene						
1	20.205	20.205	0.000	5338633	42.7	
36 Benzo[g,h,i]perylene						
1	20.557	20.557	0.000	5480054	43.8	
37 Triacontane						
2	20.933	20.933	0.000	8984182	49.3	
38 n-Hexatriacontane						M
2	25.535	25.535	0.000	7454565	48.9	M
A 39 C9-C18 Aliphatics						
2	7.273	3.213 - 11.331		61192532	290.8	
A 40 C11-C22 Aromatics						
1	12.796	4.598 - 21.008		114125340	732.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.604	11.331	-25.861	72622256	401.2	
S 44 EPH Adjustment 1						
1					645.8	
S 42 C11-C22 Aromatics (Adjusted)						
2					86.3	
S 43 Total EPH						
2					778.3	

QC Flag Legend

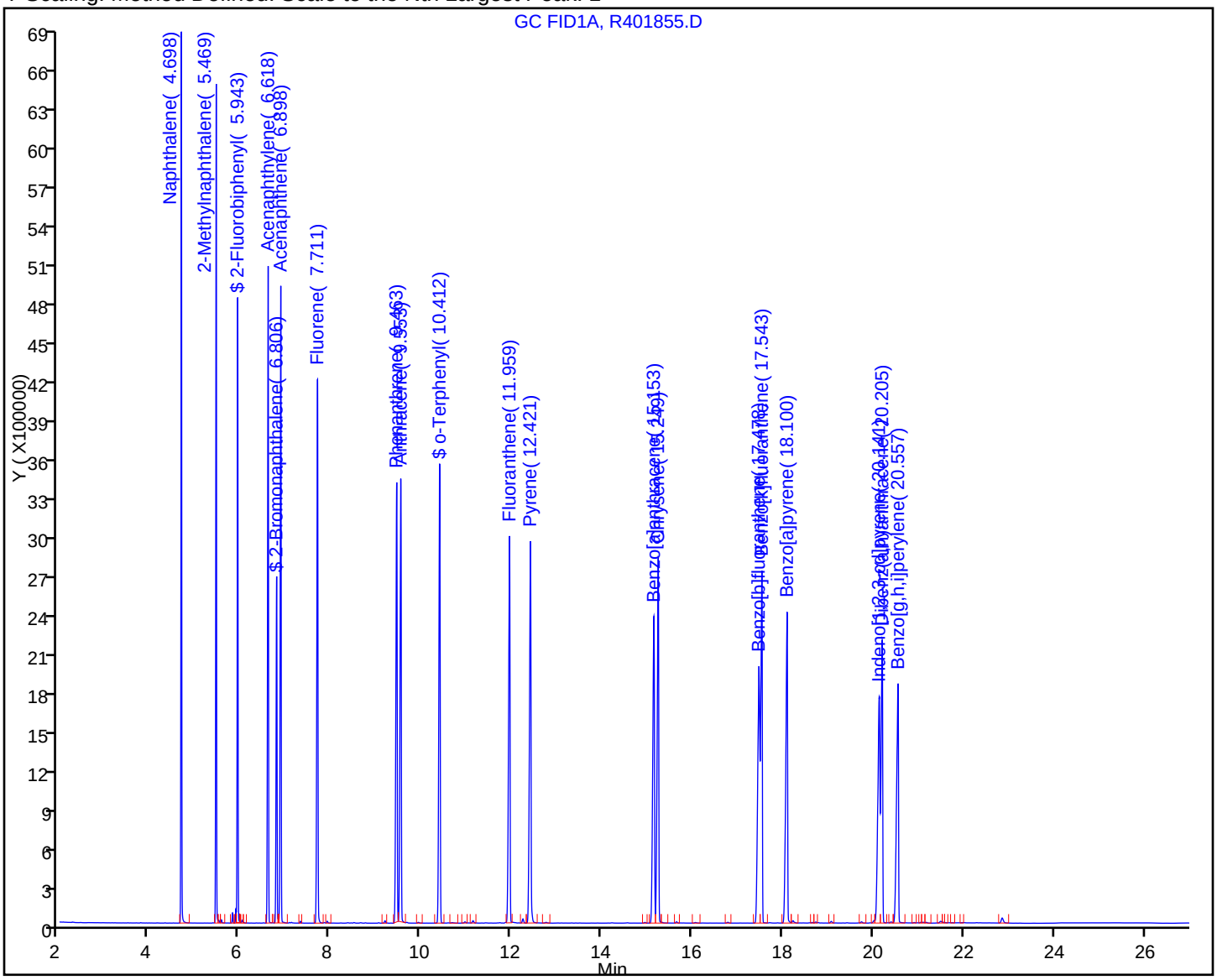
Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:21:09 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401855.D

Injection Date:	08-Dec-2011 13:08:21	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	1
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVRT 360-84518/1 Calibration Date: 12/08/2011 13:08

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401855.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		183351		51.0	50.0	2.0	30.0
n-Decane	Ave	198709	189194		47.6	50.0	-4.8	25.0
Dodecane	Ave	189041	187740		49.7	50.0	-0.7	25.0
C9-C18 Aliphatics	Lin1		203975		291	300	-3.1	25.0
n-Tetradecane	Lin2		181670		50.5	50.0	1.0	25.0
Hexadecane	Ave	183947	179784		48.9	50.0	-2.3	25.0
n-Octadecane	Ave	182400	176984		48.5	50.0	-3.0	25.0
C19	Ave	177362	173962		49.0	50.0	-1.9	25.0
icosane	Ave	175805	171820		48.9	50.0	-2.3	25.0
n-Docosane	Ave	175561	171132		48.7	50.0	-2.5	25.0
n-Tetracosane	Ave	178308	171216		48.0	50.0	-4.0	25.0
n-Hexacosane	Lin1		174291		51.5	50.0	3.0	25.0
C19-C36 Aliphatics	Lin1		181556		401	400	0.3	25.0
n-Octacosane	Lin2		176513		51.4	50.0	2.8	25.0
Triacontane	Ave	182275	179684		49.3	50.0	-1.4	25.0
n-Hexatriacontane	Ave	152480	149091		48.9	50.0	-2.2	25.0
1-Chlorooctadecane	Ave	153344	149387		48.7	50.0	-2.6	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVRT 360-84518/1 Calibration Date: 12/08/2011 13:08

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401855.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.31	3.21	3.41
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.21	11.33
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.25	9.15	9.35
n-Octadecane	11.23	11.13	11.33
C19	12.20	12.10	12.30
icosane	13.14	13.04	13.24
n-Docosane	14.94	14.84	15.04
n-Tetracosane	16.61	16.51	16.71
n-Hexacosane	18.15	18.05	18.25
C19-C36 Aliphatics	18.60	11.33	25.86
n-Octacosane	19.59	19.49	19.69
Triacontane	20.93	20.83	21.03
n-Hexatriacontane	25.54	25.44	25.64
1-Chlorooctadecane	13.99	13.89	14.09

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401855.D
Lims ID: CCVRT Client ID:
Inject. Date: 08-Dec-2011 13:08:21 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84518 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:21:09 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:10:43

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.943	5.943	0.000	5815541	40.9	
$ 2 2-Bromonaphthalene						
1	6.806	6.806	0.000	3905621	41.5	
$ 3 o-Terphenyl						
1	10.412	10.412	0.000	7082794	39.6	
$ 4 1-Chlorooctadecane						
2	13.988	13.988	0.000	7469348	48.7	
5 n-Nonane						
2	3.313	3.313	0.000	9167546	51.0	
6 n-Decane						
2	4.117	4.117	0.000	9459686	47.6	
7 Naphthalene						
1	4.698	4.698	0.000	7584525	42.8	
8 2-Methylnaphthalene						
1	5.469	5.469	0.000	7245665	42.2	
9 Dodecane						
2	5.679	5.679	0.000	9387006	49.7	
11 Acenaphthylene						
1	6.618	6.618	0.000	7174441	40.1	
12 Acenaphthene						
1	6.898	6.898	0.000	7219060	40.5	
15 n-Tetradecane						
2	7.343	7.343	0.000	9083509	50.5	
14 Fluorene						
1	7.711	7.711	0.000	7053306	40.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.251	0.000	8989223	48.9	
16 Phenanthrene						
1	9.463	9.463	0.000	6748790	40.8	
17 Anthracene						
1	9.553	9.553	0.000	6650952	43.0	
20 n-Octadecane						
2	11.231	11.231	0.000	8849188	48.5	
19 Fluoranthene						
1	11.959	11.959	0.000	6591894	41.8	
22 C19						
2	12.199	12.199	0.000	8698087	49.0	
21 Pyrene						
1	12.421	12.421	0.000	6963982	41.4	
23 icosane						
2	13.143	13.143	0.000	8591005	48.9	
27 n-Docosane						
2	14.939	14.939	0.000	8556612	48.7	
24 Benzo[a]anthracene						
1	15.153	15.153	0.000	6257227	44.6	
25 Chrysene						
1	15.249	15.249	0.000	6552266	45.2	
28 n-Tetracosane						
2	16.605	16.605	0.000	8560777	48.0	
29 Benzo[b]fluoranthene						
1	17.478	17.478	0.000	6400271	46.0	
30 Benzo[k]fluoranthene						
1	17.543	17.543	0.000	6338484	47.2	
31 Benzo[a]pyrene						
1	18.100	18.100	0.000	6471955	45.7	
32 n-Hexacosane						
2	18.150	18.150	0.000	8714540	51.5	
35 n-Octacosane						
2	19.590	19.590	0.000	8825672	51.4	
33 Indeno[1,2,3-cd]pyrene						
1	20.141	20.141	0.000	5779181	45.0	
34 Dibenz(a,h)anthracene						
1	20.205	20.205	0.000	5338633	42.7	
36 Benzo[g,h,i]perylene						
1	20.557	20.557	0.000	5480054	43.8	
37 Triacontane						
2	20.933	20.933	0.000	8984182	49.3	
38 n-Hexatriacontane						M
2	25.535	25.535	0.000	7454565	48.9	M
A 39 C9-C18 Aliphatics						
2	7.273	3.213 - 11.331		61192532	290.8	
A 40 C11-C22 Aromatics						
1	12.796	4.598 - 21.008		114125340	732.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.604	11.331	-25.861	72622256	401.2	
S 44 EPH Adjustment 1						
1					645.8	
S 42 C11-C22 Aromatics (Adjusted)						
2					86.3	
S 43 Total EPH						
2					778.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:21:09 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401855.D
Injection Date: 08-Dec-2011 13:08:21 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84518 Lims Sample ID: 1
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 09-Dec-2011 12:21:09 Chrom Revision: 2.0 29-Sep-2011 09:38:02

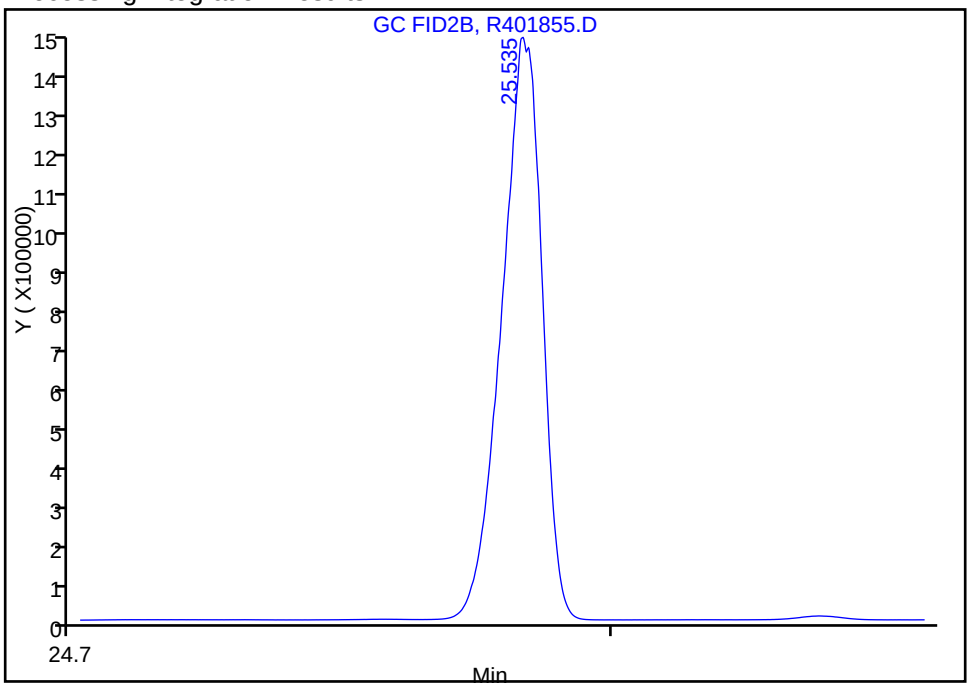
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401855.D		
Injection Date:	08-Dec-2011 13:08:21	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	1
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.54, Det: GC FID2B

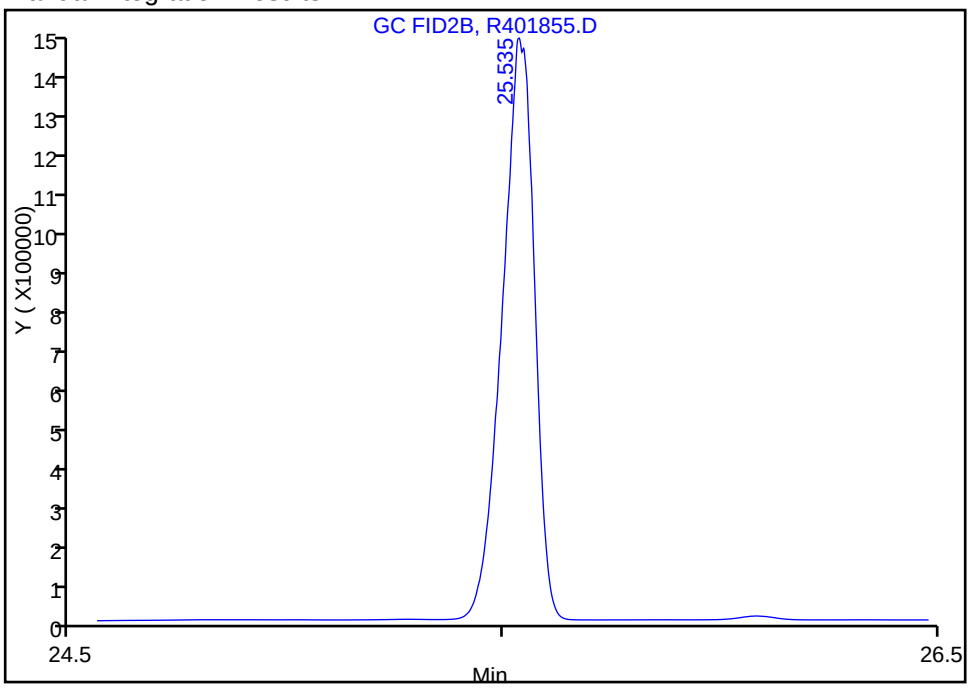
Processing Integration Results

RT: 25.54
Response: 1387699
Amount: 9.100850



Manual Integration Results

RT: 25.54
Response: 7454565
Amount: 48.888753



Reviewer: malanowskiv, 08-Dec-2011 13:47:35
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCV 360-84518/22 Calibration Date: 12/09/2011 01:19

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401897.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	156222		44.1	50.0	-11.8	25.0
2-Methylnaphthalene	Ave	171616	149421		43.5	50.0	-12.9	25.0
Acenaphthylene	Ave	178861	148019		41.4	50.0	-17.2	25.0
Acenaphthene	Ave	178269	148385		41.6	50.0	-16.8	25.0
Fluorene	Ave	172973	146023		42.2	50.0	-15.6	25.0
Phenanthrene	Ave	165465	140072		42.3	50.0	-15.3	25.0
Anthracene	Lin1		137673		44.5	50.0	-11.0	25.0
Fluoranthene	Ave	157744	136946		43.4	50.0	-13.2	25.0
Pyrene	Ave	168253	144476		42.9	50.0	-14.1	25.0
C11-C22 Aromatics (unadjusted)	Ave	155886	136905		747	850	-12.2	25.0
Benzo[a]anthracene	Lin1		128911		46.0	50.0	-8.0	25.0
Chrysene	Lin1		135137		46.6	50.0	-6.8	25.0
Benzo[b]fluoranthene	Lin1		130272		46.8	50.0	-6.4	25.0
Benzo[k]fluoranthene	Lin1		128352		47.8	50.0	-4.4	25.0
Benzo[a]pyrene	Lin1		130372		46.0	50.0	-8.0	25.0
Indeno[1,2,3-cd]pyrene	Lin1		111889		43.6	50.0	-12.8	25.0
Dibenz(a,h)anthracene	Lin1		105994		42.4	50.0	-15.2	25.0
Benzo[g,h,i]perylene	Lin1		106509		42.5	50.0	-15.0	25.0
2-Fluorobiphenyl	Ave	142273	120145		42.2	50.0	-15.6	25.0
2-Bromonaphthalene	Ave	94136	80571		42.8	50.0	-14.4	25.0
o-Terphenyl	Ave	178720	148005		41.4	50.0	-17.2	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCV 360-84518/22 Calibration Date: 12/09/2011 01:19

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401897.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.61	6.51	6.71
Acenaphthene	6.89	6.79	6.99
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.55	9.45	9.65
Fluoranthene	11.95	11.85	12.05
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics (unadjusted)	12.80	4.60	20.99
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.24	15.14	15.34
Benzo[b]fluoranthene	17.47	17.37	17.57
Benzo[k]fluoranthene	17.53	17.43	17.63
Benzo[a]pyrene	18.09	17.99	18.19
Indeno[1,2,3-cd]pyrene	20.13	20.03	20.23
Dibenz(a,h)anthracene	20.20	20.10	20.30
Benzo[g,h,i]perylene	20.55	20.45	20.65
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.80	6.70	6.90
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401897.D
Lims ID: ccv Client ID:
Inject. Date: 09-Dec-2011 01:19:41 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84518 Lims Sample ID: 22
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:20:22 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:15:17

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.941	5.941	0.000	6007234	42.2	
$ 2 2-Bromonaphthalene						
1	6.802	6.802	0.000	4028550	42.8	
$ 3 o-Terphenyl						
1	10.407	10.407	0.000	7400237	41.4	
$ 4 1-Chlorooctadecane						
2	13.986	13.986	0.000	7387079	48.2	
5 n-Nonane						
2	3.316	3.316	0.000	9234875	51.4	
6 n-Decane						
2	4.119	4.119	0.000	9559973	48.1	
7 Naphthalene						
1	4.697	4.697	0.000	7811091	44.1	
8 2-Methylnaphthalene						
1	5.467	5.467	0.000	7471058	43.5	
9 Dodecane						
2	5.682	5.682	0.000	9464844	50.1	
11 Acenaphthylene						
1	6.614	6.614	0.000	7400928	41.4	
12 Acenaphthene						
1	6.894	6.894	0.000	7419244	41.6	
15 n-Tetradecane						
2	7.343	7.343	0.000	9104908	50.6	
14 Fluorene						
1	7.707	7.707	0.000	7301151	42.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.251	0.000	8949699	48.7	
16 Phenanthrene						
1	9.457	9.457	0.000	7003590	42.3	
17 Anthracene						
1	9.548	9.548	0.000	6883651	44.5	
20 n-Octadecane						
2	11.230	11.230	0.000	8749334	48.0	
19 Fluoranthene						
1	11.952	11.952	0.000	6847303	43.4	
22 C19						
2	12.199	12.199	0.000	8602385	48.5	
21 Pyrene						
1	12.416	12.416	0.000	7223783	42.9	
23 icosane						
2	13.141	13.141	0.000	8461040	48.1	
27 n-Docosane						
2	14.936	14.936	0.000	8312241	47.3	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	6445554	46.0	
25 Chrysene						
1	15.242	15.242	0.000	6756828	46.6	
28 n-Tetracosane						
2	16.599	16.599	0.000	8365816	46.9	
29 Benzo[b]fluoranthene						
1	17.471	17.471	0.000	6513592	46.8	
30 Benzo[k]fluoranthene						
1	17.532	17.532	0.000	6417611	47.8	
31 Benzo[a]pyrene						
1	18.093	18.093	0.000	6518621	46.0	
32 n-Hexacosane						
2	18.147	18.147	0.000	8488611	50.2	
35 n-Octacosane						
2	19.585	19.585	0.000	8657656	50.4	
33 Indeno[1,2,3-cd]pyrene						
1	20.127	20.127	0.000	5594474	43.6	
34 Dibenz(a,h)anthracene						
1	20.196	20.196	0.000	5299698	42.4	
36 Benzo[g,h,i]perylene						
1	20.545	20.545	0.000	5325427	42.5	
37 Triacontane						
2	20.927	20.927	0.000	8880516	48.7	
38 n-Hexatriacontane						M
2	25.530	25.530	0.000	7188457	47.1	M
A 39 C9-C18 Aliphatics						
2	7.272	3.216 - 11.330		61851417	294.4	
A 40 C11-C22 Aromatics						
1	12.803	4.597 - 20.993		116369379	746.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.596	11.330	-25.842	72695146	401.7	
S 44 EPH Adjustment 1						
1					661.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					84.8	
S 43 Total EPH						
2					780.8	

QC Flag Legend

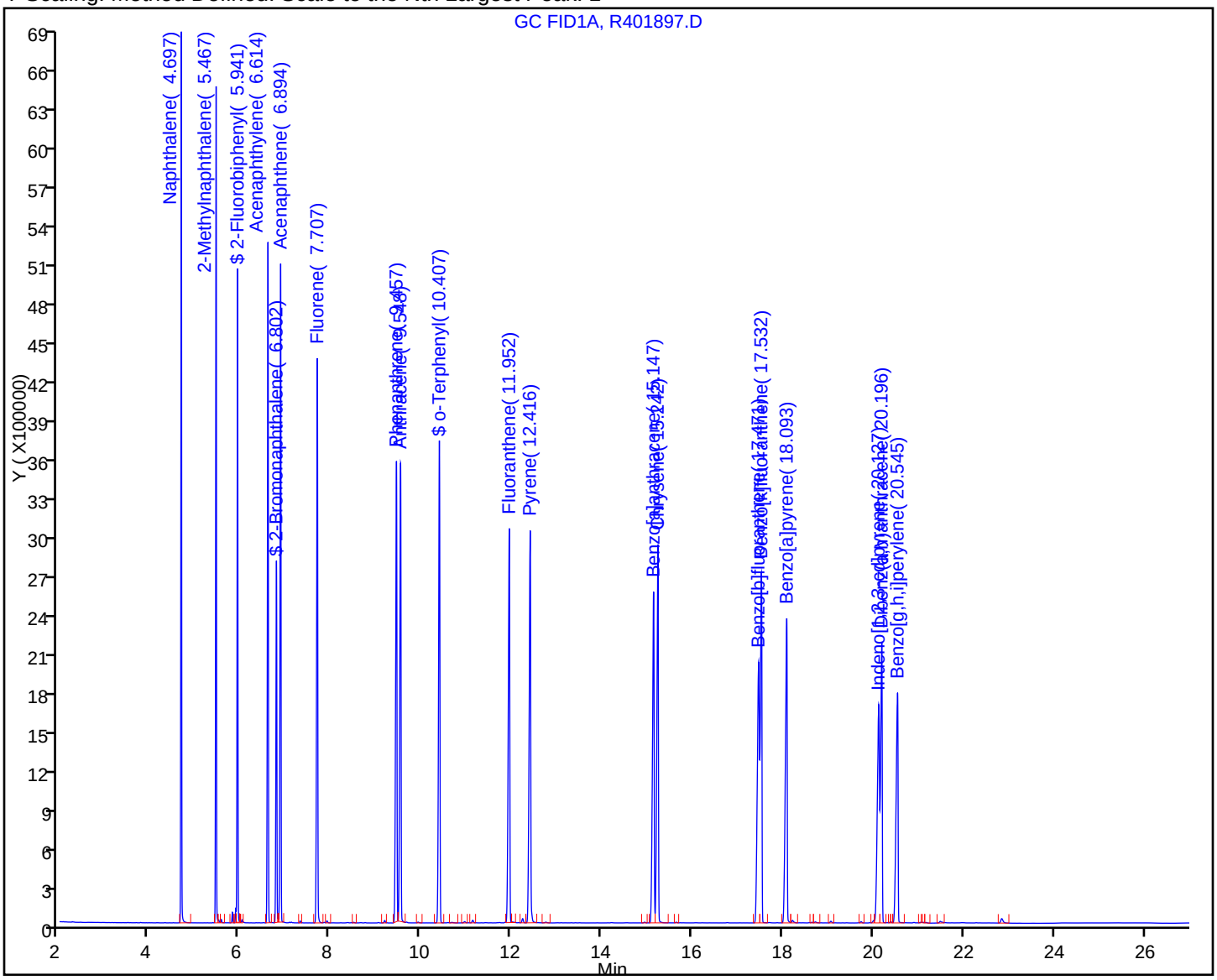
Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:20:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401897.D

Injection Date:	09-Dec-2011 01:19:41	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	22
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCV 360-84518/22 Calibration Date: 12/09/2011 01:19

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401897.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		184698		51.4	50.0	2.8	30.0
n-Decane	Ave	198709	191199		48.1	50.0	-3.8	25.0
Dodecane	Ave	189041	189297		50.1	50.0	0.1	25.0
C9-C18 Aliphatics	Lin1		206171		294	300	-1.9	25.0
n-Tetradecane	Lin2		182098		50.6	50.0	1.2	25.0
Hexadecane	Ave	183947	178994		48.7	50.0	-2.7	25.0
n-Octadecane	Ave	182400	174987		48.0	50.0	-4.1	25.0
C19	Ave	177362	172048		48.5	50.0	-3.0	25.0
icosane	Ave	175805	169221		48.1	50.0	-3.7	25.0
n-Docosane	Ave	175561	166245		47.3	50.0	-5.3	25.0
n-Tetracosane	Ave	178308	167316		46.9	50.0	-6.2	25.0
n-Hexacosane	Lin1		169772		50.2	50.0	0.4	25.0
C19-C36 Aliphatics	Lin1		181738		402	400	0.4	25.0
n-Octacosane	Lin2		173153		50.4	50.0	0.8	25.0
Triacontane	Ave	182275	177610		48.7	50.0	-2.6	25.0
n-Hexatriacontane	Ave	152480	143769		47.1	50.0	-5.7	25.0
1-Chlorooctadecane	Ave	153344	147742		48.2	50.0	-3.7	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCV 360-84518/22 Calibration Date: 12/09/2011 01:19

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401897.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.32	3.22	3.42
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.22	11.33
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.25	9.15	9.35
n-Octadecane	11.23	11.13	11.33
C19	12.20	12.10	12.30
icosane	13.14	13.04	13.24
n-Docosane	14.94	14.84	15.04
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.15	18.05	18.25
C19-C36 Aliphatics	18.60	11.33	25.84
n-Octacosane	19.59	19.49	19.69
Triacontane	20.93	20.83	21.03
n-Hexatriacontane	25.53	25.43	25.63
1-Chlorooctadecane	13.99	13.89	14.09

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401897.D
Lims ID: ccv Client ID:
Inject. Date: 09-Dec-2011 01:19:41 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84518 Lims Sample ID: 22
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:20:22 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:15:17

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.941	5.941	0.000	6007234	42.2	
$ 2 2-Bromonaphthalene						
1	6.802	6.802	0.000	4028550	42.8	
$ 3 o-Terphenyl						
1	10.407	10.407	0.000	7400237	41.4	
$ 4 1-Chlorooctadecane						
2	13.986	13.986	0.000	7387079	48.2	
5 n-Nonane						
2	3.316	3.316	0.000	9234875	51.4	
6 n-Decane						
2	4.119	4.119	0.000	9559973	48.1	
7 Naphthalene						
1	4.697	4.697	0.000	7811091	44.1	
8 2-Methylnaphthalene						
1	5.467	5.467	0.000	7471058	43.5	
9 Dodecane						
2	5.682	5.682	0.000	9464844	50.1	
11 Acenaphthylene						
1	6.614	6.614	0.000	7400928	41.4	
12 Acenaphthene						
1	6.894	6.894	0.000	7419244	41.6	
15 n-Tetradecane						
2	7.343	7.343	0.000	9104908	50.6	
14 Fluorene						
1	7.707	7.707	0.000	7301151	42.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.251	0.000	8949699	48.7	
16 Phenanthrene						
1	9.457	9.457	0.000	7003590	42.3	
17 Anthracene						
1	9.548	9.548	0.000	6883651	44.5	
20 n-Octadecane						
2	11.230	11.230	0.000	8749334	48.0	
19 Fluoranthene						
1	11.952	11.952	0.000	6847303	43.4	
22 C19						
2	12.199	12.199	0.000	8602385	48.5	
21 Pyrene						
1	12.416	12.416	0.000	7223783	42.9	
23 icosane						
2	13.141	13.141	0.000	8461040	48.1	
27 n-Docosane						
2	14.936	14.936	0.000	8312241	47.3	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	6445554	46.0	
25 Chrysene						
1	15.242	15.242	0.000	6756828	46.6	
28 n-Tetracosane						
2	16.599	16.599	0.000	8365816	46.9	
29 Benzo[b]fluoranthene						
1	17.471	17.471	0.000	6513592	46.8	
30 Benzo[k]fluoranthene						
1	17.532	17.532	0.000	6417611	47.8	
31 Benzo[a]pyrene						
1	18.093	18.093	0.000	6518621	46.0	
32 n-Hexacosane						
2	18.147	18.147	0.000	8488611	50.2	
35 n-Octacosane						
2	19.585	19.585	0.000	8657656	50.4	
33 Indeno[1,2,3-cd]pyrene						
1	20.127	20.127	0.000	5594474	43.6	
34 Dibenz(a,h)anthracene						
1	20.196	20.196	0.000	5299698	42.4	
36 Benzo[g,h,i]perylene						
1	20.545	20.545	0.000	5325427	42.5	
37 Triacontane						
2	20.927	20.927	0.000	8880516	48.7	
38 n-Hexatriacontane						M
2	25.530	25.530	0.000	7188457	47.1	M
A 39 C9-C18 Aliphatics						
2	7.272	3.216 - 11.330		61851417	294.4	
A 40 C11-C22 Aromatics						
1	12.803	4.597 - 20.993		116369379	746.5	

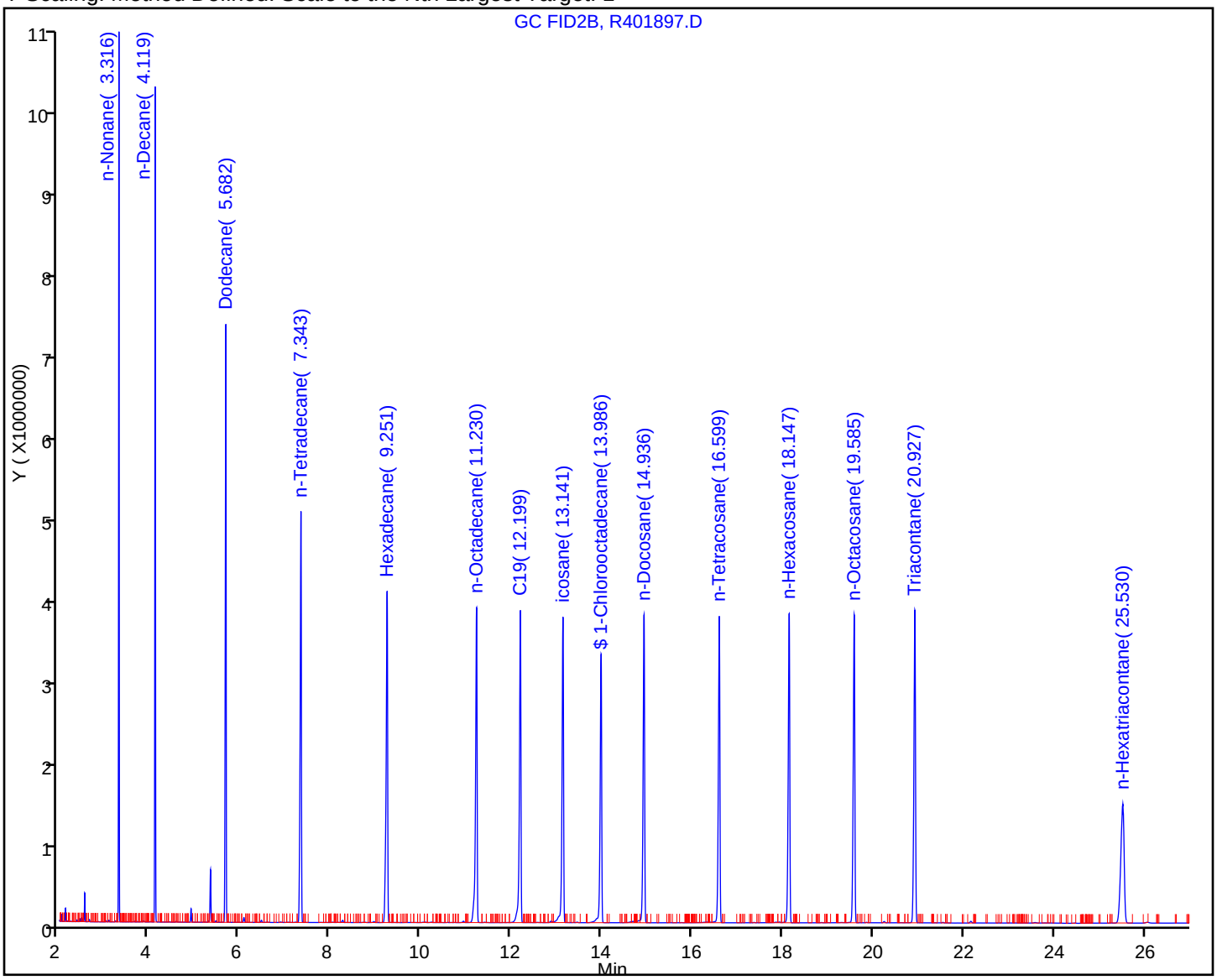
Report Date: 09-Dec-2011 12:20:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401897.D

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.596	11.330	-25.842	72695146	401.7	
S 44 EPH Adjustment 1						
1					661.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					84.8	
S 43 Total EPH						
2					780.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:20:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401897.D
Injection Date: 09-Dec-2011 01:19:41 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84518 Lims Sample ID: 22
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



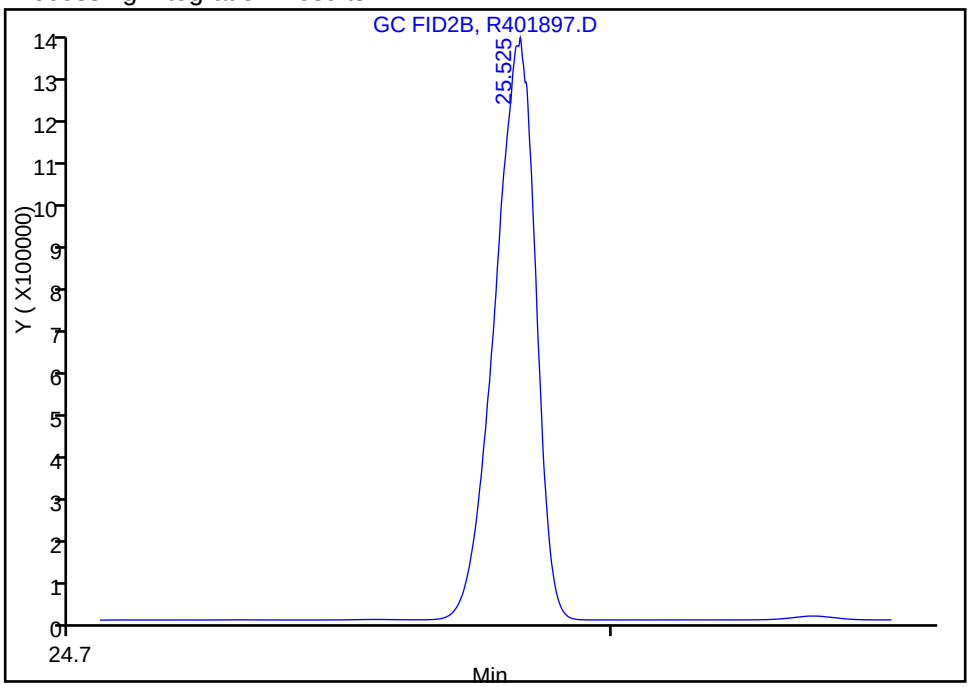
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401897.D		
Injection Date:	09-Dec-2011 01:19:41	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	22
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.53, Det: GC FID2B

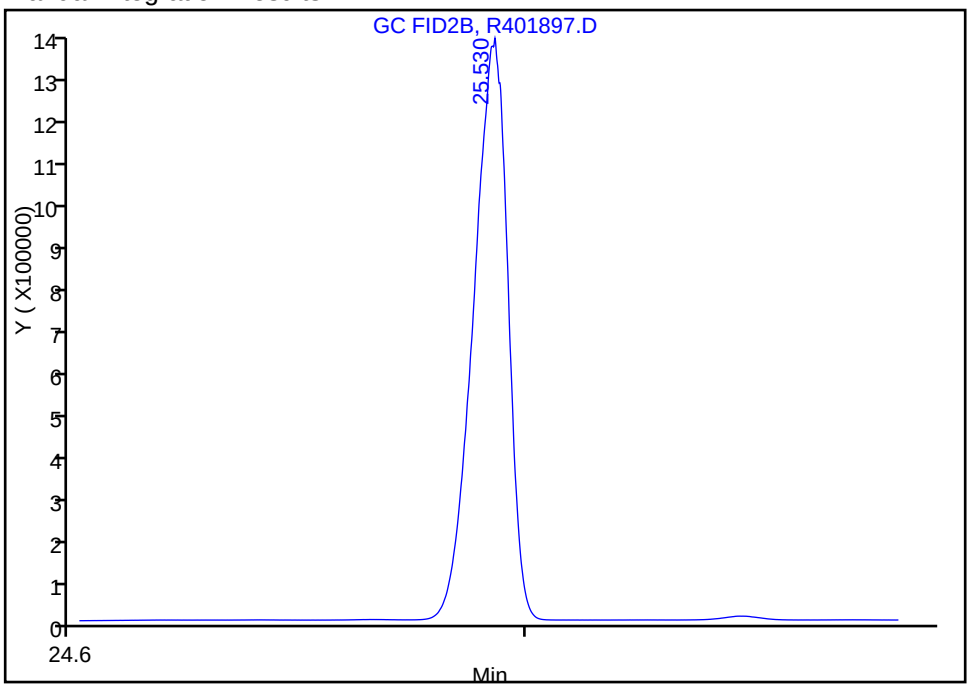
Processing Integration Results

RT: 25.52
Response: 987403
Amount: 6.475616



Manual Integration Results

RT: 25.53
Response: 7188457
Amount: 47.143556



Reviewer: malanowskiv, 09-Dec-2011 07:02:29
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCV 360-84518/36 Calibration Date: 12/09/2011 11:34

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401929.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	150944		42.6	50.0	-14.8	25.0
2-Methylnaphthalene	Ave	171616	144198		42.0	50.0	-16.0	25.0
Acenaphthylene	Ave	178861	142843		39.9	50.0	-20.1	25.0
Acenaphthene	Ave	178269	143969		40.4	50.0	-19.2	25.0
Fluorene	Ave	172973	140745		40.7	50.0	-18.6	25.0
Phenanthrene	Ave	165465	134831		40.7	50.0	-18.5	25.0
Anthracene	Lin1		132909		43.0	50.0	-14.0	25.0
Fluoranthene	Ave	157744	131176		41.6	50.0	-16.8	25.0
Pyrene	Ave	168253	138953		41.3	50.0	-17.4	25.0
C11-C22 Aromatics (unadjusted)	Ave	155886	131831		719	850	-15.4	25.0
Benzo[a]anthracene	Lin1		124119		44.3	50.0	-11.4	25.0
Chrysene	Lin1		130381		45.0	50.0	-10.0	25.0
Benzo[b]fluoranthene	Lin1		124244		44.6	50.0	-10.8	25.0
Benzo[k]fluoranthene	Lin1		124761		46.4	50.0	-7.2	25.0
Benzo[a]pyrene	Lin1		125514		44.3	50.0	-11.4	25.0
Indeno[1,2,3-cd]pyrene	Lin1		104934		40.9	50.0	-18.2	25.0
Dibenz(a,h)anthracene	Lin1		103453		41.3	50.0	-17.4	25.0
Benzo[g,h,i]perylene	Lin1		101711		40.6	50.0	-18.8	25.0
2-Fluorobiphenyl	Ave	142273	115855		40.7	50.0	-18.6	25.0
2-Bromonaphthalene	Ave	94136	77931		41.4	50.0	-17.2	25.0
o-Terphenyl	Ave	178720	141915		39.7	50.0	-20.6	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCV 360-84518/36 Calibration Date: 12/09/2011 11:34

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401929.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.61	6.51	6.71
Acenaphthene	6.89	6.79	6.99
Fluorene	7.70	7.60	7.80
Phenanthrene	9.46	9.36	9.56
Anthracene	9.55	9.45	9.65
Fluoranthene	11.95	11.85	12.05
Pyrene	12.41	12.31	12.51
C11-C22 Aromatics (unadjusted)	12.80	4.60	20.99
Benzo[a]anthracene	15.14	15.04	15.24
Chrysene	15.24	15.14	15.34
Benzo[b]fluoranthene	17.47	17.37	17.57
Benzo[k]fluoranthene	17.53	17.43	17.63
Benzo[a]pyrene	18.09	17.99	18.19
Indeno[1,2,3-cd]pyrene	20.13	20.03	20.23
Dibenz(a,h)anthracene	20.19	20.09	20.29
Benzo[g,h,i]perylene	20.54	20.44	20.64
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.80	6.70	6.90
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401929.D
Lims ID: ccv Client ID:
Inject. Date: 09-Dec-2011 11:34:36 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84518 Lims Sample ID: 36
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:24:23 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:20:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.940	5.940	0.000	5792738	40.7	
$ 2 2-Bromonaphthalene						
1	6.800	6.800	0.000	3896545	41.4	
$ 3 o-Terphenyl						
1	10.405	10.405	0.000	7095743	39.7	
$ 4 1-Chlorooctadecane						
2	13.984	13.984	0.000	6964745	45.4	
5 n-Nonane						
2	3.315	3.315	0.000	9078406	50.5	
6 n-Decane						
2	4.119	4.119	0.000	9349873	47.1	
7 Naphthalene						
1	4.695	4.695	0.000	7547210	42.6	
8 2-Methylnaphthalene						
1	5.465	5.465	0.000	7209916	42.0	
9 Dodecane						
2	5.680	5.680	0.000	9239450	48.9	
11 Acenaphthylene						
1	6.613	6.613	0.000	7142125	39.9	
12 Acenaphthene						
1	6.892	6.892	0.000	7198433	40.4	
15 n-Tetradecane						
2	7.343	7.343	0.000	8880105	49.3	
14 Fluorene						
1	7.704	7.704	0.000	7037265	40.7	

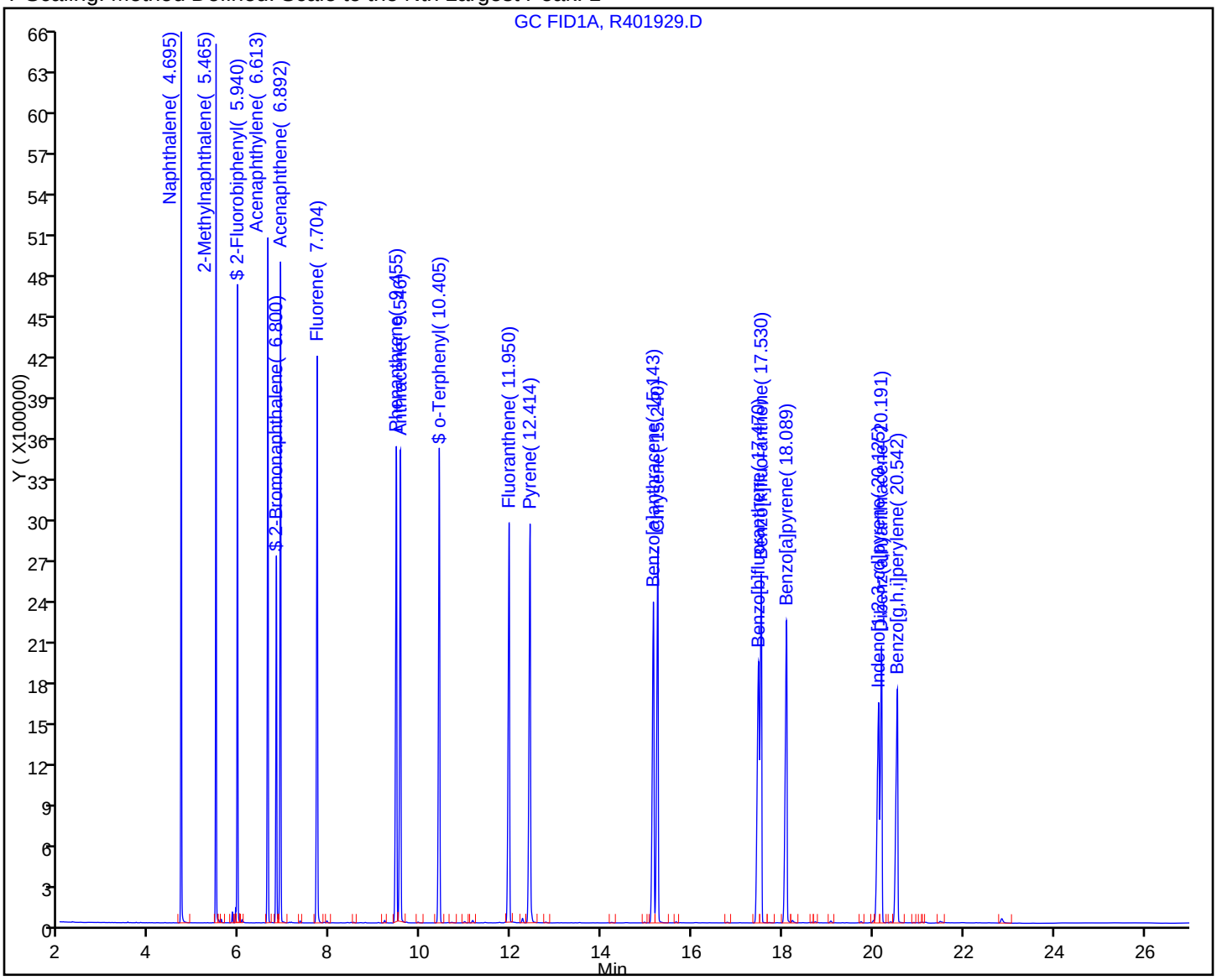
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.250	9.250	0.000	8712437	47.4	
16 Phenanthrene						
1	9.455	9.455	0.000	6741540	40.7	
17 Anthracene						
1	9.546	9.546	0.000	6645474	43.0	
20 n-Octadecane						
2	11.227	11.227	0.000	8514204	46.7	
19 Fluoranthene						
1	11.950	11.950	0.000	6558823	41.6	
22 C19						
2	12.199	12.199	0.000	8345283	47.1	
21 Pyrene						
1	12.414	12.414	0.000	6947654	41.3	
23 icosane						
2	13.139	13.139	0.000	7954077	45.2	
27 n-Docosane						
2	14.935	14.935	0.000	8071851	46.0	
24 Benzo[a]anthracene						
1	15.143	15.143	0.000	6205949	44.3	
25 Chrysene						
1	15.240	15.240	0.000	6519028	45.0	
28 n-Tetracosane						
2	16.600	16.600	0.000	8095377	45.4	
29 Benzo[b]fluoranthene						
1	17.470	17.470	0.000	6212199	44.6	
30 Benzo[k]fluoranthene						
1	17.530	17.530	0.000	6238041	46.4	
31 Benzo[a]pyrene						
1	18.089	18.089	0.000	6275712	44.3	
32 n-Hexacosane						
2	18.145	18.145	0.000	8256755	48.8	
35 n-Octacosane						
2	19.585	19.585	0.000	8420454	49.0	
33 Indeno[1,2,3-cd]pyrene						
1	20.125	20.125	0.000	5246716	40.9	
34 Dibenz(a,h)anthracene						
1	20.191	20.191	0.000	5172656	41.3	
36 Benzo[g,h,i]perylene						
1	20.542	20.542	0.000	5085564	40.6	
37 Triacontane						
2	20.926	20.926	0.000	8628870	47.3	
38 n-Hexatriacontane						M
2	25.525	25.525	0.000	7130186	46.8	M
A 39 C9-C18 Aliphatics						
2	7.273	3.215 - 11.327		60784084	288.6	
A 40 C11-C22 Aromatics						
1	12.795	4.595 - 20.992		112056363	718.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.586	11.327	-25.816	71201724	392.8	
S 44 EPH Adjustment 1						
1					637.4	
S 42 C11-C22 Aromatics (Adjusted)						
2					81.5	
S 43 Total EPH						
2					762.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:24:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401929.D
Injection Date: 09-Dec-2011 11:34:36 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84518 Lims Sample ID: 36
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCV 360-84518/36 Calibration Date: 12/09/2011 11:34

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401929.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		181568		50.5	50.0	1.0	30.0
n-Decane	Ave	198709	186997		47.1	50.0	-5.9	25.0
Dodecane	Ave	189041	184789		48.9	50.0	-2.2	25.0
C9-C18 Aliphatics	Lin1		202614		289	300	-3.8	25.0
n-Tetradecane	Lin2		177602		49.3	50.0	-1.4	25.0
Hexadecane	Ave	183947	174249		47.4	50.0	-5.3	25.0
n-Octadecane	Ave	182400	170284		46.7	50.0	-6.6	25.0
C19	Ave	177362	166906		47.1	50.0	-5.9	25.0
icosane	Ave	175805	159082		45.2	50.0	-9.5	25.0
n-Docosane	Ave	175561	161437		46.0	50.0	-8.0	25.0
n-Tetracosane	Ave	178308	161908		45.4	50.0	-9.2	25.0
n-Hexacosane	Lin1		165135		48.8	50.0	-2.4	25.0
C19-C36 Aliphatics	Lin1		178004		393	400	-1.8	25.0
n-Octacosane	Lin2		168409		49.0	50.0	-2.0	25.0
Triacontane	Ave	182275	172577		47.3	50.0	-5.3	25.0
n-Hexatriacontane	Ave	152480	142604		46.8	50.0	-6.5	25.0
1-Chlorooctadecane	Ave	153344	139295		45.4	50.0	-9.2	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCV 360-84518/36 Calibration Date: 12/09/2011 11:34

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401929.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.32	3.22	3.42
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.22	11.33
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.25	9.15	9.35
n-Octadecane	11.23	11.13	11.33
C19	12.20	12.10	12.30
icosane	13.14	13.04	13.24
n-Docosane	14.94	14.84	15.04
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.15	18.05	18.25
C19-C36 Aliphatics	18.59	11.33	25.82
n-Octacosane	19.59	19.49	19.69
Triacontane	20.93	20.83	21.03
n-Hexatriacontane	25.53	25.43	25.63
1-Chlorooctadecane	13.98	13.88	14.08

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401929.D
Lims ID: ccv Client ID:
Inject. Date: 09-Dec-2011 11:34:36 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84518 Lims Sample ID: 36
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:24:23 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:20:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.940	5.940	0.000	5792738	40.7	
$ 2 2-Bromonaphthalene						
1	6.800	6.800	0.000	3896545	41.4	
$ 3 o-Terphenyl						
1	10.405	10.405	0.000	7095743	39.7	
$ 4 1-Chlorooctadecane						
2	13.984	13.984	0.000	6964745	45.4	
5 n-Nonane						
2	3.315	3.315	0.000	9078406	50.5	
6 n-Decane						
2	4.119	4.119	0.000	9349873	47.1	
7 Naphthalene						
1	4.695	4.695	0.000	7547210	42.6	
8 2-Methylnaphthalene						
1	5.465	5.465	0.000	7209916	42.0	
9 Dodecane						
2	5.680	5.680	0.000	9239450	48.9	
11 Acenaphthylene						
1	6.613	6.613	0.000	7142125	39.9	
12 Acenaphthene						
1	6.892	6.892	0.000	7198433	40.4	
15 n-Tetradecane						
2	7.343	7.343	0.000	8880105	49.3	
14 Fluorene						
1	7.704	7.704	0.000	7037265	40.7	

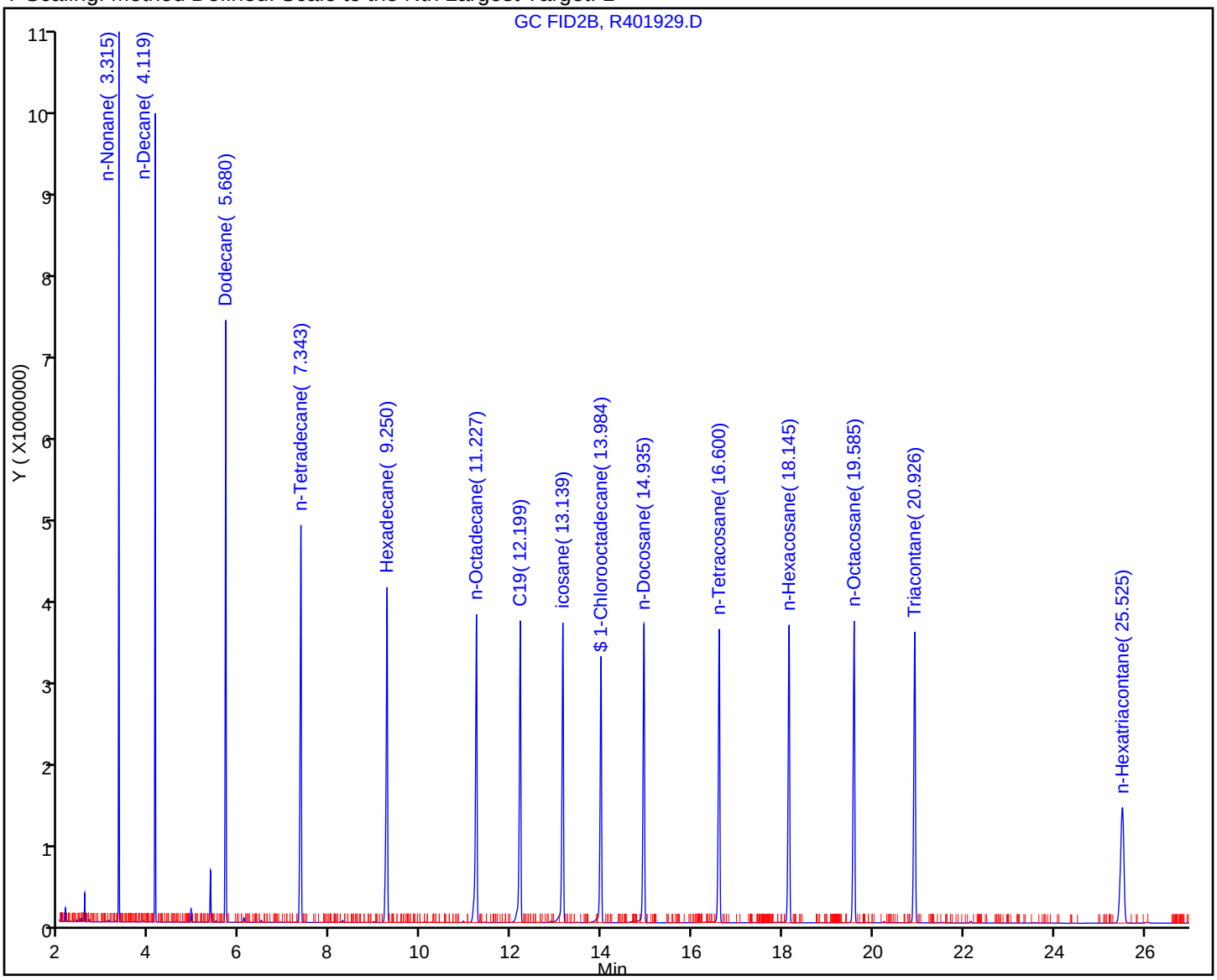
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.250	9.250	0.000	8712437	47.4	
16 Phenanthrene						
1	9.455	9.455	0.000	6741540	40.7	
17 Anthracene						
1	9.546	9.546	0.000	6645474	43.0	
20 n-Octadecane						
2	11.227	11.227	0.000	8514204	46.7	
19 Fluoranthene						
1	11.950	11.950	0.000	6558823	41.6	
22 C19						
2	12.199	12.199	0.000	8345283	47.1	
21 Pyrene						
1	12.414	12.414	0.000	6947654	41.3	
23 icosane						
2	13.139	13.139	0.000	7954077	45.2	
27 n-Docosane						
2	14.935	14.935	0.000	8071851	46.0	
24 Benzo[a]anthracene						
1	15.143	15.143	0.000	6205949	44.3	
25 Chrysene						
1	15.240	15.240	0.000	6519028	45.0	
28 n-Tetracosane						
2	16.600	16.600	0.000	8095377	45.4	
29 Benzo[b]fluoranthene						
1	17.470	17.470	0.000	6212199	44.6	
30 Benzo[k]fluoranthene						
1	17.530	17.530	0.000	6238041	46.4	
31 Benzo[a]pyrene						
1	18.089	18.089	0.000	6275712	44.3	
32 n-Hexacosane						
2	18.145	18.145	0.000	8256755	48.8	
35 n-Octacosane						
2	19.585	19.585	0.000	8420454	49.0	
33 Indeno[1,2,3-cd]pyrene						
1	20.125	20.125	0.000	5246716	40.9	
34 Dibenz(a,h)anthracene						
1	20.191	20.191	0.000	5172656	41.3	
36 Benzo[g,h,i]perylene						
1	20.542	20.542	0.000	5085564	40.6	
37 Triacontane						
2	20.926	20.926	0.000	8628870	47.3	
38 n-Hexatriacontane						M
2	25.525	25.525	0.000	7130186	46.8	M
A 39 C9-C18 Aliphatics						
2	7.273	3.215 - 11.327		60784084	288.6	
A 40 C11-C22 Aromatics						
1	12.795	4.595 - 20.992		112056363	718.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.586	11.327	-25.816	71201724	392.8	
S 44 EPH Adjustment 1						
1					637.4	
S 42 C11-C22 Aromatics (Adjusted)						
2					81.5	
S 43 Total EPH						
2					762.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:24:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401929.D
Injection Date: 09-Dec-2011 11:34:36 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84518 Lims Sample ID: 36
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



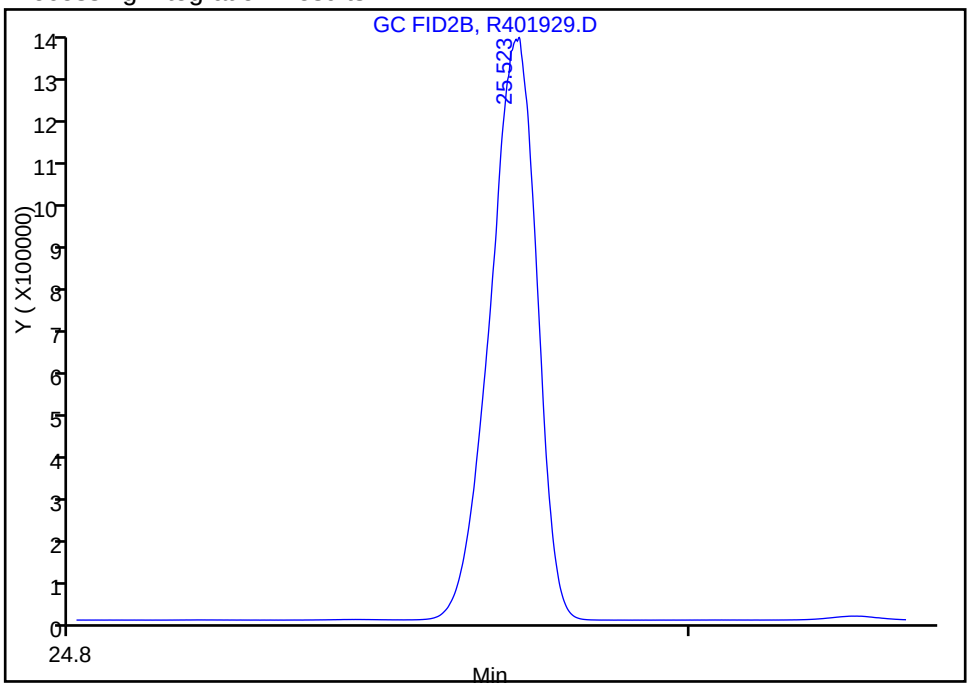
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401929.D		
Injection Date:	09-Dec-2011 11:34:36	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	36
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

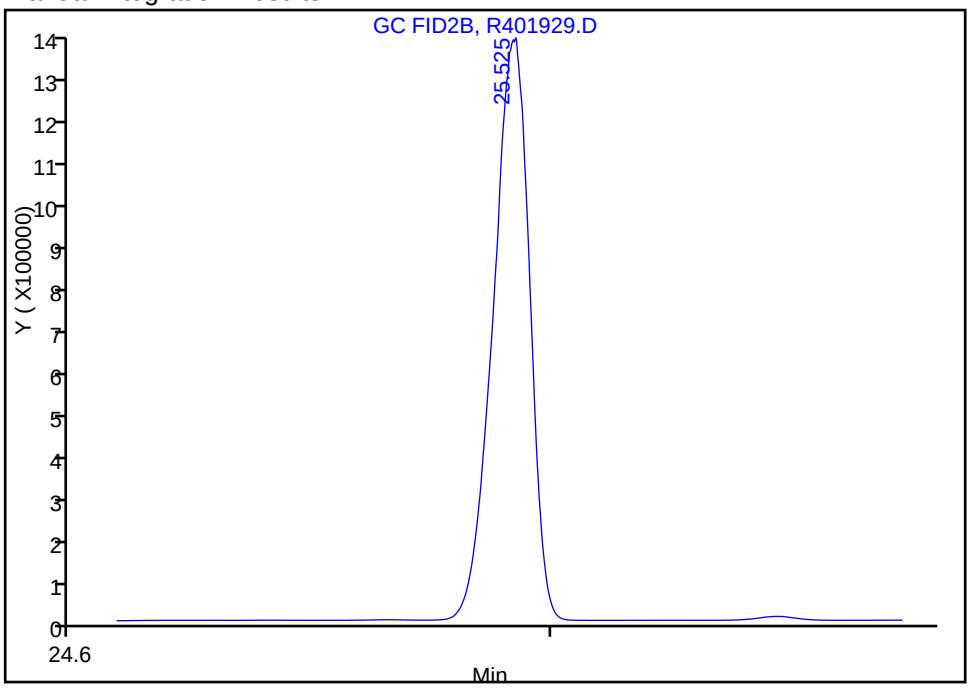
Processing Integration Results

RT: 25.52
Response: 1180852
Amount: 7.744299



Manual Integration Results

RT: 25.52
Response: 7130186
Amount: 46.761401



Reviewer: malanowskiv, 09-Dec-2011 12:10:24
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVRT 360-84564/1 Calibration Date: 12/09/2011 12:08

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401931.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	158002		44.6	50.0	-10.8	25.0
2-Methylnaphthalene	Ave	171616	151871		44.2	50.0	-11.5	25.0
Acenaphthylene	Ave	178861	150796		42.2	50.0	-15.7	25.0
Acenaphthene	Ave	178269	151250		42.4	50.0	-15.2	25.0
Fluorene	Ave	172973	149323		43.2	50.0	-13.7	25.0
Phenanthrene	Ave	165465	143551		43.4	50.0	-13.2	25.0
Anthracene	Lin1		141365		45.7	50.0	-8.6	25.0
Fluoranthene	Ave	157744	139889		44.3	50.0	-11.3	25.0
Pyrene	Ave	168253	147944		44.0	50.0	-12.1	25.0
C11-C22 Aromatics (unadjusted)	Ave	155886	138809		757	850	-11.0	25.0
Benzo[a]anthracene	Lin1		131959		47.1	50.0	-5.8	25.0
Chrysene	Lin1		138351		47.7	50.0	-4.6	25.0
Benzo[b]fluoranthene	Lin1		130515		46.9	50.0	-6.2	25.0
Benzo[k]fluoranthene	Lin1		131218		48.8	50.0	-2.4	25.0
Benzo[a]pyrene	Lin1		131183		46.3	50.0	-7.4	25.0
Indeno[1,2,3-cd]pyrene	Lin1		110331		43.0	50.0	-14.0	25.0
Dibenz(a,h)anthracene	Lin1		103712		41.4	50.0	-17.2	25.0
Benzo[g,h,i]perylene	Lin1		103852		41.5	50.0	-17.0	25.0
2-Fluorobiphenyl	Ave	142273	122572		43.1	50.0	-13.8	25.0
2-Bromonaphthalene	Ave	94136	82497		43.8	50.0	-12.4	25.0
o-Terphenyl	Ave	178720	151940		42.5	50.0	-15.0	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVRT 360-84564/1 Calibration Date: 12/09/2011 12:08

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401931.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.61	6.51	6.71
Acenaphthene	6.89	6.79	6.99
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.55	9.45	9.65
Fluoranthene	11.95	11.85	12.05
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics (unadjusted)	12.79	4.60	21.00
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.24	15.14	15.34
Benzo[b]fluoranthene	17.47	17.37	17.57
Benzo[k]fluoranthene	17.53	17.43	17.63
Benzo[a]pyrene	18.09	17.99	18.19
Indeno[1,2,3-cd]pyrene	20.13	20.03	20.23
Dibenz(a,h)anthracene	20.19	20.09	20.29
Benzo[g,h,i]perylene	20.54	20.44	20.64
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.80	6.70	6.90
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401931.D
Lims ID: CCVRT Client ID:
Inject. Date: 09-Dec-2011 12:08:36 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84564 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m
Last Update: 12-Dec-2011 13:35:16 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:36:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.941	5.941	0.000	6128593	43.1	
$ 2 2-Bromonaphthalene						
1	6.801	6.801	0.000	4124827	43.8	
$ 3 o-Terphenyl						
1	10.407	10.407	0.000	7597005	42.5	
$ 4 1-Chlorooctadecane						
2	13.984	13.984	0.000	7050796	46.0	
5 n-Nonane						
2	3.317	3.317	0.000	9156118	51.0	
6 n-Decane						
2	4.119	4.119	0.000	9431432	47.5	
7 Naphthalene						
1	4.696	4.696	0.000	7900101	44.6	
8 2-Methylnaphthalene						
1	5.466	5.466	0.000	7593565	44.2	
9 Dodecane						
2	5.680	5.680	0.000	9327391	49.3	
11 Acenaphthylene						
1	6.614	6.614	0.000	7539792	42.2	
12 Acenaphthene						
1	6.894	6.894	0.000	7562501	42.4	
15 n-Tetradecane						
2	7.344	7.344	0.000	8970893	49.8	
14 Fluorene						
1	7.706	7.706	0.000	7466136	43.2	

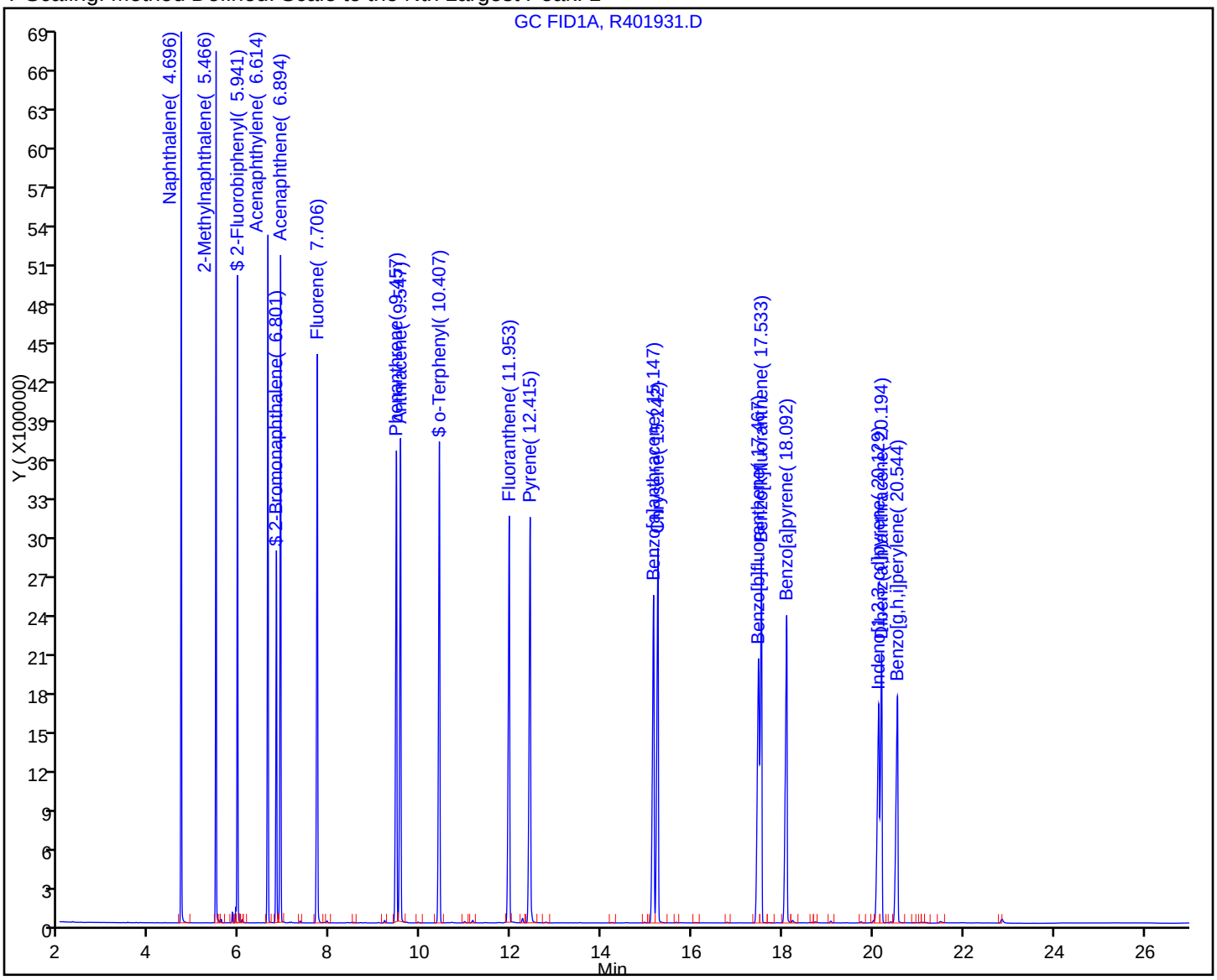
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.249	9.249	0.000	8798676	47.8	
16 Phenanthrene						
1	9.457	9.457	0.000	7177536	43.4	
17 Anthracene						
1	9.547	9.547	0.000	7068240	45.7	
20 n-Octadecane						
2	11.228	11.228	0.000	8610399	47.2	
19 Fluoranthene						
1	11.953	11.953	0.000	6994456	44.3	
22 C19						
2	12.196	12.196	0.000	8438457	47.6	
21 Pyrene						
1	12.415	12.415	0.000	7397178	44.0	
23 icosane						
2	13.142	13.142	0.000	8316234	47.3	
27 n-Docosane						
2	14.935	14.935	0.000	8169931	46.5	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	6597946	47.1	
25 Chrysene						
1	15.242	15.242	0.000	6917572	47.7	
28 n-Tetracosane						
2	16.599	16.599	0.000	8169183	45.8	
29 Benzo[b]fluoranthene						
1	17.467	17.467	0.000	6525756	46.9	
30 Benzo[k]fluoranthene						
1	17.533	17.533	0.000	6560880	48.8	
31 Benzo[a]pyrene						
1	18.092	18.092	0.000	6559151	46.3	
32 n-Hexacosane						
2	18.145	18.145	0.000	8374763	49.5	
35 n-Octacosane						
2	19.583	19.583	0.000	8513753	49.6	
33 Indeno[1,2,3-cd]pyrene						
1	20.129	20.129	0.000	5516565	43.0	
34 Dibenz(a,h)anthracene						
1	20.194	20.194	0.000	5185579	41.4	
36 Benzo[g,h,i]perylene						
1	20.544	20.544	0.000	5192605	41.5	
37 Triacontane						
2	20.927	20.927	0.000	8725560	47.9	
38 n-Hexatriacontane						M
2	25.524	25.524	0.000	7195782	47.2	M
A 39 C9-C18 Aliphatics						
2	7.271	3.217 - 11.328		61553457	292.7	
A 40 C11-C22 Aromatics						
1	12.794	4.596 - 21.001		117987641	756.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.572	11.328	-25.764	72098553	398.1	
S 43 Total EPH						
2					775.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					84.6	
S 44 EPH Adjustment 1						
1					672.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 12-Dec-2011 13:35:16 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401931.D
Injection Date: 09-Dec-2011 12:08:36 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 1
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVRT 360-84564/1 Calibration Date: 12/09/2011 12:08

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401931.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		183122		51.0	50.0	2.0	30.0
n-Decane	Ave	198709	188629		47.5	50.0	-5.1	25.0
Dodecane	Ave	189041	186548		49.3	50.0	-1.3	25.0
C9-C18 Aliphatics	Lin1		205178		293	300	-2.4	25.0
n-Tetradecane	Lin2		179418		49.8	50.0	-0.4	25.0
Hexadecane	Ave	183947	175974		47.8	50.0	-4.3	25.0
n-Octadecane	Ave	182400	172208		47.2	50.0	-5.6	25.0
C19	Ave	177362	168769		47.6	50.0	-4.8	25.0
icosane	Ave	175805	166325		47.3	50.0	-5.4	25.0
n-Docosane	Ave	175561	163399		46.5	50.0	-6.9	25.0
n-Tetracosane	Ave	178308	163384		45.8	50.0	-8.4	25.0
n-Hexacosane	Lin1		167495		49.5	50.0	-1.0	25.0
C19-C36 Aliphatics	Lin1		180246		398	400	-0.5	25.0
n-Octacosane	Lin2		170275		49.6	50.0	-0.8	25.0
Triacontane	Ave	182275	174511		47.9	50.0	-4.3	25.0
n-Hexatriacontane	Ave	152480	143916		47.2	50.0	-5.6	25.0
1-Chlorooctadecane	Ave	153344	141016		46.0	50.0	-8.0	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCVRT 360-84564/1 Calibration Date: 12/09/2011 12:08

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401931.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.32	3.22	3.42
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.22	11.33
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.25	9.15	9.35
n-Octadecane	11.23	11.13	11.33
C19	12.20	12.10	12.30
icosane	13.14	13.04	13.24
n-Docosane	14.94	14.84	15.04
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.15	18.05	18.25
C19-C36 Aliphatics	18.57	11.33	25.76
n-Octacosane	19.58	19.48	19.68
Triacontane	20.93	20.83	21.03
n-Hexatriacontane	25.52	25.42	25.62
1-Chlorooctadecane	13.98	13.88	14.08

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401931.D
Lims ID: CCVRT Client ID:
Inject. Date: 09-Dec-2011 12:08:36 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84564 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m
Last Update: 12-Dec-2011 13:35:16 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 12-Dec-2011 10:36:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.941	5.941	0.000	6128593	43.1	
$ 2 2-Bromonaphthalene						
1	6.801	6.801	0.000	4124827	43.8	
$ 3 o-Terphenyl						
1	10.407	10.407	0.000	7597005	42.5	
$ 4 1-Chlorooctadecane						
2	13.984	13.984	0.000	7050796	46.0	
5 n-Nonane						
2	3.317	3.317	0.000	9156118	51.0	
6 n-Decane						
2	4.119	4.119	0.000	9431432	47.5	
7 Naphthalene						
1	4.696	4.696	0.000	7900101	44.6	
8 2-Methylnaphthalene						
1	5.466	5.466	0.000	7593565	44.2	
9 Dodecane						
2	5.680	5.680	0.000	9327391	49.3	
11 Acenaphthylene						
1	6.614	6.614	0.000	7539792	42.2	
12 Acenaphthene						
1	6.894	6.894	0.000	7562501	42.4	
15 n-Tetradecane						
2	7.344	7.344	0.000	8970893	49.8	
14 Fluorene						
1	7.706	7.706	0.000	7466136	43.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.249	9.249	0.000	8798676	47.8	
16 Phenanthrene						
1	9.457	9.457	0.000	7177536	43.4	
17 Anthracene						
1	9.547	9.547	0.000	7068240	45.7	
20 n-Octadecane						
2	11.228	11.228	0.000	8610399	47.2	
19 Fluoranthene						
1	11.953	11.953	0.000	6994456	44.3	
22 C19						
2	12.196	12.196	0.000	8438457	47.6	
21 Pyrene						
1	12.415	12.415	0.000	7397178	44.0	
23 icosane						
2	13.142	13.142	0.000	8316234	47.3	
27 n-Docosane						
2	14.935	14.935	0.000	8169931	46.5	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	6597946	47.1	
25 Chrysene						
1	15.242	15.242	0.000	6917572	47.7	
28 n-Tetracosane						
2	16.599	16.599	0.000	8169183	45.8	
29 Benzo[b]fluoranthene						
1	17.467	17.467	0.000	6525756	46.9	
30 Benzo[k]fluoranthene						
1	17.533	17.533	0.000	6560880	48.8	
31 Benzo[a]pyrene						
1	18.092	18.092	0.000	6559151	46.3	
32 n-Hexacosane						
2	18.145	18.145	0.000	8374763	49.5	
35 n-Octacosane						
2	19.583	19.583	0.000	8513753	49.6	
33 Indeno[1,2,3-cd]pyrene						
1	20.129	20.129	0.000	5516565	43.0	
34 Dibenz(a,h)anthracene						
1	20.194	20.194	0.000	5185579	41.4	
36 Benzo[g,h,i]perylene						
1	20.544	20.544	0.000	5192605	41.5	
37 Triacontane						
2	20.927	20.927	0.000	8725560	47.9	
38 n-Hexatriacontane						M
2	25.524	25.524	0.000	7195782	47.2	M
A 39 C9-C18 Aliphatics						
2	7.271	3.217 - 11.328		61553457	292.7	
A 40 C11-C22 Aromatics						
1	12.794	4.596 - 21.001		117987641	756.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.572	11.328	-25.764	72098553	398.1	
S 43 Total EPH						
2					775.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					84.6	
S 44 EPH Adjustment 1						
1					672.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 12-Dec-2011 13:35:17 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401931.D
Injection Date: 09-Dec-2011 12:08:36 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 1
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 12-Dec-2011 13:35:17 Chrom Revision: 2.0 29-Sep-2011 09:38:02

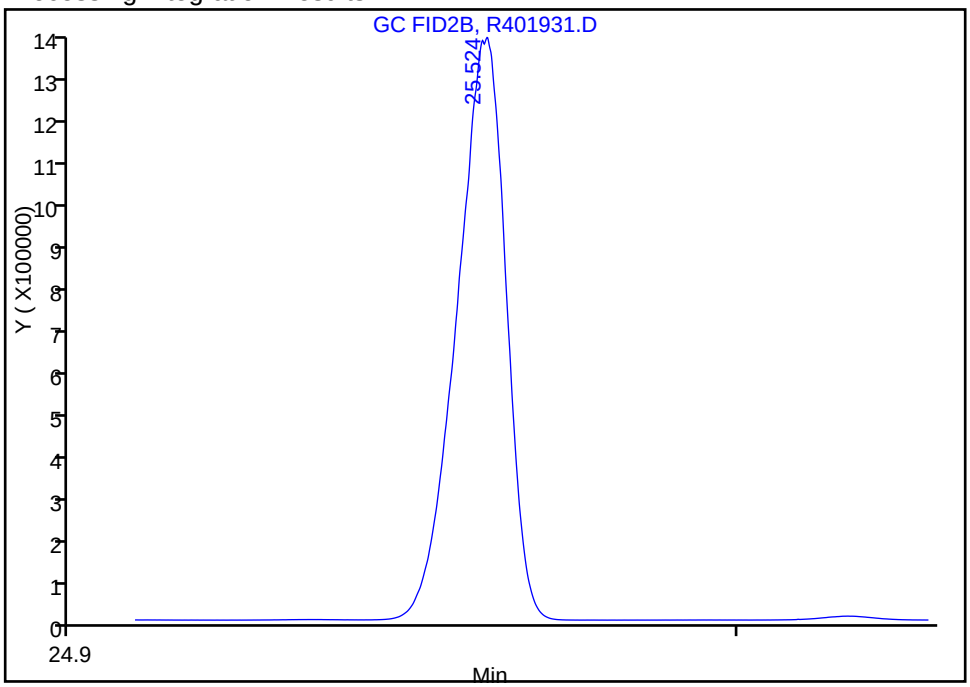
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401931.D		
Injection Date:	09-Dec-2011 12:08:36	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84564	Lims Sample ID:	1
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

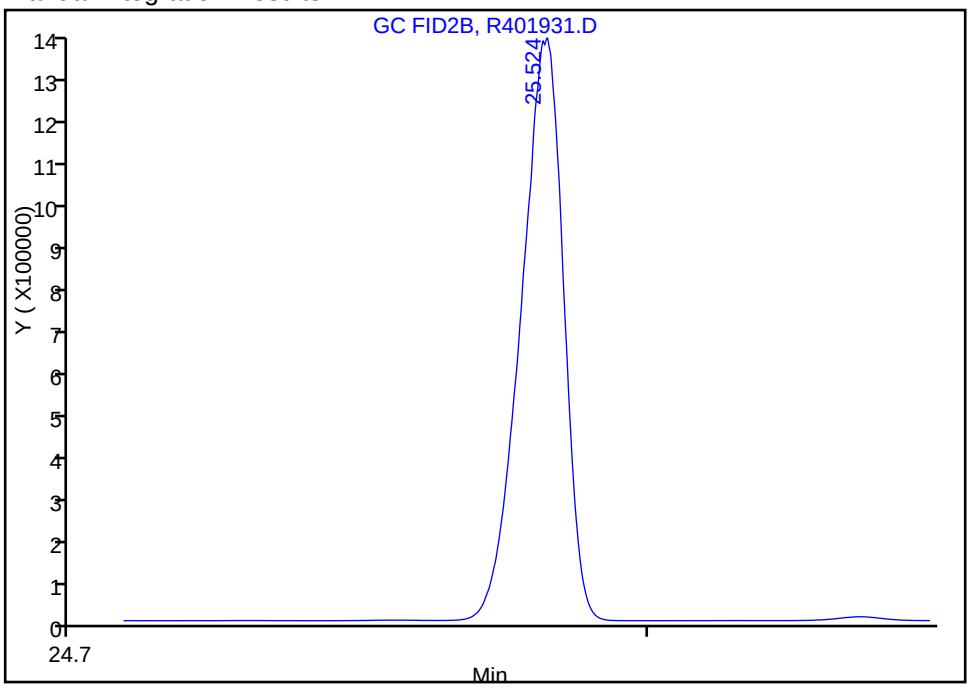
Processing Integration Results

RT: 25.52
Response: 3153512
Amount: 20.681458



Manual Integration Results

RT: 25.52
Response: 7195782
Amount: 47.191595



Reviewer: malanowskiv, 09-Dec-2011 12:51:02
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCV 360-84564/22 Calibration Date: 12/10/2011 00:45

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401973.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	165811		46.8	50.0	-6.4	25.0
2-Methylnaphthalene	Ave	171616	159082		46.3	50.0	-7.3	25.0
Acenaphthylene	Ave	178861	157977		44.2	50.0	-11.7	25.0
Acenaphthene	Ave	178269	158653		44.5	50.0	-11.0	25.0
Fluorene	Ave	172973	156434		45.2	50.0	-9.6	25.0
Phenanthrene	Ave	165465	150071		45.3	50.0	-9.3	25.0
Anthracene	Lin1		146609		47.4	50.0	-5.2	25.0
Fluoranthene	Ave	157744	147211		46.7	50.0	-6.7	25.0
Pyrene	Ave	168253	154675		46.0	50.0	-8.1	25.0
C11-C22 Aromatics (unadjusted)	Ave	155886	145545		794	850	-6.6	25.0
Benzo[a]anthracene	Lin1		138293		49.3	50.0	-1.4	25.0
Chrysene	Lin1		144879		50.0	50.0	0.0	25.0
Benzo[b]fluoranthene	Lin1		138631		49.8	50.0	-0.4	25.0
Benzo[k]fluoranthene	Lin1		136779		50.9	50.0	1.8	25.0
Benzo[a]pyrene	Lin1		137358		48.5	50.0	-3.0	25.0
Indeno[1,2,3-cd]pyrene	Lin1		111980		43.6	50.0	-12.8	25.0
Dibenz(a,h)anthracene	Lin1		106837		42.7	50.0	-14.6	25.0
Benzo[g,h,i]perylene	Lin1		104224		41.6	50.0	-16.8	25.0
2-Fluorobiphenyl	Ave	142273	128442		45.1	50.0	-9.7	25.0
2-Bromonaphthalene	Ave	94136	86130		45.7	50.0	-8.5	25.0
o-Terphenyl	Ave	178720	158913		44.5	50.0	-11.1	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCV 360-84564/22 Calibration Date: 12/10/2011 00:45

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401973.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.61	6.51	6.71
Acenaphthene	6.90	6.80	7.00
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.55	9.45	9.65
Fluoranthene	11.96	11.86	12.06
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics (unadjusted)	12.80	4.60	21.00
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.25	15.15	15.35
Benzo[b]fluoranthene	17.47	17.37	17.57
Benzo[k]fluoranthene	17.54	17.44	17.64
Benzo[a]pyrene	18.09	17.99	18.19
Indeno[1,2,3-cd]pyrene	20.13	20.03	20.23
Dibenz(a,h)anthracene	20.19	20.09	20.29
Benzo[g,h,i]perylene	20.55	20.45	20.65
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.80	6.70	6.90
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401973.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	10-Dec-2011 00:45:38	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	100
Lims Batch ID:	84564	Lims Sample ID:	22
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m		
Last Update:	12-Dec-2011 13:31:09	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

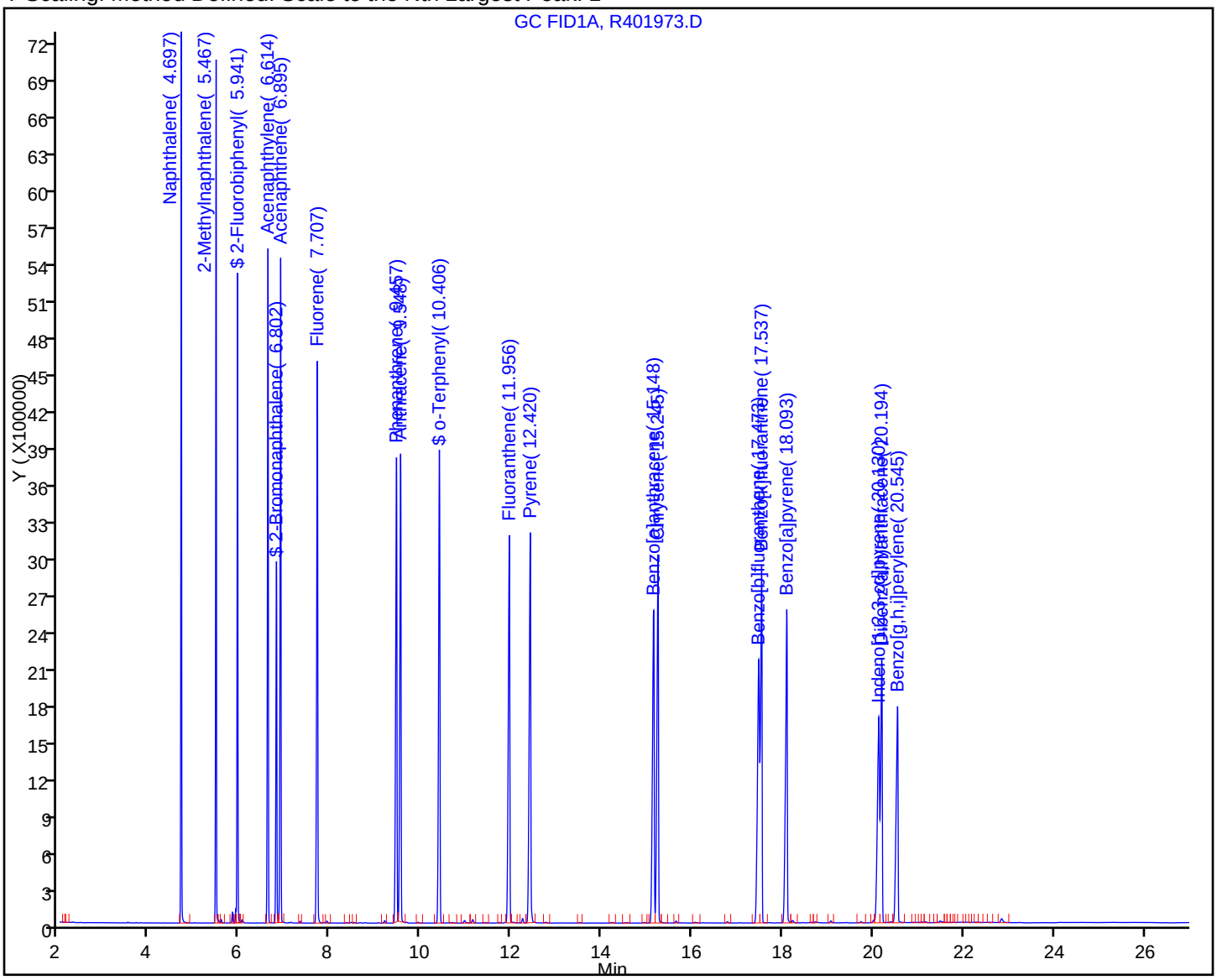
First Level Reviewer: malanowskiv Date: 12-Dec-2011 13:31:09

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.941	5.941	0.000	6422117	45.1	
$ 2 2-Bromonaphthalene						
1	6.802	6.802	0.000	4306476	45.7	
$ 3 o-Terphenyl						
1	10.406	10.406	0.000	7945631	44.5	
$ 4 1-Chlorooctadecane						
2	13.984	13.984	0.000	7275457	47.4	
5 n-Nonane						
2	3.317	3.317	0.000	9299011	51.8	
6 n-Decane						
2	4.120	4.120	0.000	9648499	48.6	
7 Naphthalene						
1	4.697	4.697	0.000	8290528	46.8	
8 2-Methylnaphthalene						
1	5.467	5.467	0.000	7954117	46.3	
9 Dodecane						
2	5.682	5.682	0.000	9556651	50.6	
11 Acenaphthylene						
1	6.614	6.614	0.000	7898858	44.2	
12 Acenaphthene						
1	6.895	6.895	0.000	7932628	44.5	
15 n-Tetradecane						
2	7.344	7.344	0.000	9194261	51.1	
14 Fluorene						
1	7.707	7.707	0.000	7821690	45.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.251	0.000	9044087	49.2	
16 Phenanthrene						
1	9.457	9.457	0.000	7503566	45.3	
17 Anthracene						
1	9.548	9.548	0.000	7330427	47.4	
20 n-Octadecane						
2	11.227	11.227	0.000	8876750	48.7	
19 Fluoranthene						
1	11.956	11.956	0.000	7360549	46.7	
22 C19						
2	12.196	12.196	0.000	8710813	49.1	
21 Pyrene						
1	12.420	12.420	0.000	7733741	46.0	
23 icosane						
2	13.141	13.141	0.000	8286031	47.1	
27 n-Docosane						
2	14.935	14.935	0.000	8430280	48.0	
24 Benzo[a]anthracene						
1	15.148	15.148	0.000	6914625	49.3	
25 Chrysene						
1	15.245	15.245	0.000	7243932	50.0	
28 n-Tetracosane						
2	16.601	16.601	0.000	8527177	47.8	
29 Benzo[b]fluoranthene						
1	17.473	17.473	0.000	6931559	49.8	
30 Benzo[k]fluoranthene						
1	17.537	17.537	0.000	6838930	50.9	
31 Benzo[a]pyrene						
1	18.093	18.093	0.000	6867906	48.5	
32 n-Hexacosane						
2	18.148	18.148	0.000	8725212	51.6	
35 n-Octacosane						
2	19.586	19.586	0.000	8898719	51.8	
33 Indeno[1,2,3-cd]pyrene						
1	20.130	20.130	0.000	5599016	43.6	
34 Dibenz(a,h)anthracene						
1	20.194	20.194	0.000	5341868	42.7	
36 Benzo[g,h,i]perylene						
1	20.545	20.545	0.000	5211194	41.6	
37 Triacontane						
2	20.929	20.929	0.000	9122396	50.0	
38 n-Hexatriacontane						
2	25.526	25.526	0.000	7128222	46.7	
A 39 C9-C18 Aliphatics						
2	7.272	3.217 - 11.327		59163967	279.8	
A 40 C11-C22 Aromatics						
1	12.799	4.597 - 20.995		123713480	703.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.546	11.327	-25.807	71683935	395.7	
S 43 Total EPH						
2					766.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					91.1	
S 44 EPH Adjustment 1						
1					702.6	

Report Date: 12-Dec-2011 13:31:09 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401973.D
Injection Date: 10-Dec-2011 00:45:38 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 22
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCV 360-84564/22 Calibration Date: 12/10/2011 00:45

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401973.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		185980		51.8	50.0	3.6	30.0
n-Decane	Ave	198709	192970		48.6	50.0	-2.9	25.0
Dodecane	Ave	189041	191133		50.6	50.0	1.1	25.0
C9-C18 Aliphatics	Lin1		197213		280	300	-6.7	25.0
n-Tetradecane	Lin2		183885		51.1	50.0	2.2	25.0
Hexadecane	Ave	183947	180882		49.2	50.0	-1.7	25.0
n-Octadecane	Ave	182400	177535		48.7	50.0	-2.7	25.0
C19	Ave	177362	174216		49.1	50.0	-1.8	25.0
icosane	Ave	175805	165721		47.1	50.0	-5.7	25.0
n-Docosane	Ave	175561	168606		48.0	50.0	-4.0	25.0
n-Tetracosane	Ave	178308	170544		47.8	50.0	-4.4	25.0
n-Hexacosane	Lin1		174504		51.6	50.0	3.2	25.0
C19-C36 Aliphatics	Lin1		179210		396	400	-1.1	25.0
n-Octacosane	Lin2		177974		51.8	50.0	3.6	25.0
Triacontane	Ave	182275	182448		50.0	50.0	0.0	25.0
n-Hexatriacontane	Ave	152480	142564		46.7	50.0	-6.5	25.0
1-Chlorooctadecane	Ave	153344	145509		47.4	50.0	-5.1	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: CCV 360-84564/22 Calibration Date: 12/10/2011 00:45

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401973.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.32	3.22	3.42
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.22	11.33
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.25	9.15	9.35
n-Octadecane	11.23	11.13	11.33
C19	12.20	12.10	12.30
icosane	13.14	13.04	13.24
n-Docosane	14.94	14.84	15.04
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.15	18.05	18.25
C19-C36 Aliphatics	18.55	11.33	25.81
n-Octacosane	19.59	19.49	19.69
Triacontane	20.93	20.83	21.03
n-Hexatriacontane	25.53	25.43	25.63
1-Chlorooctadecane	13.98	13.88	14.08

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401973.D
Lims ID: ccv Client ID:
Inject. Date: 10-Dec-2011 00:45:38 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84564 Lims Sample ID: 22
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\MAEPH-R.m
Last Update: 12-Dec-2011 13:31:09 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

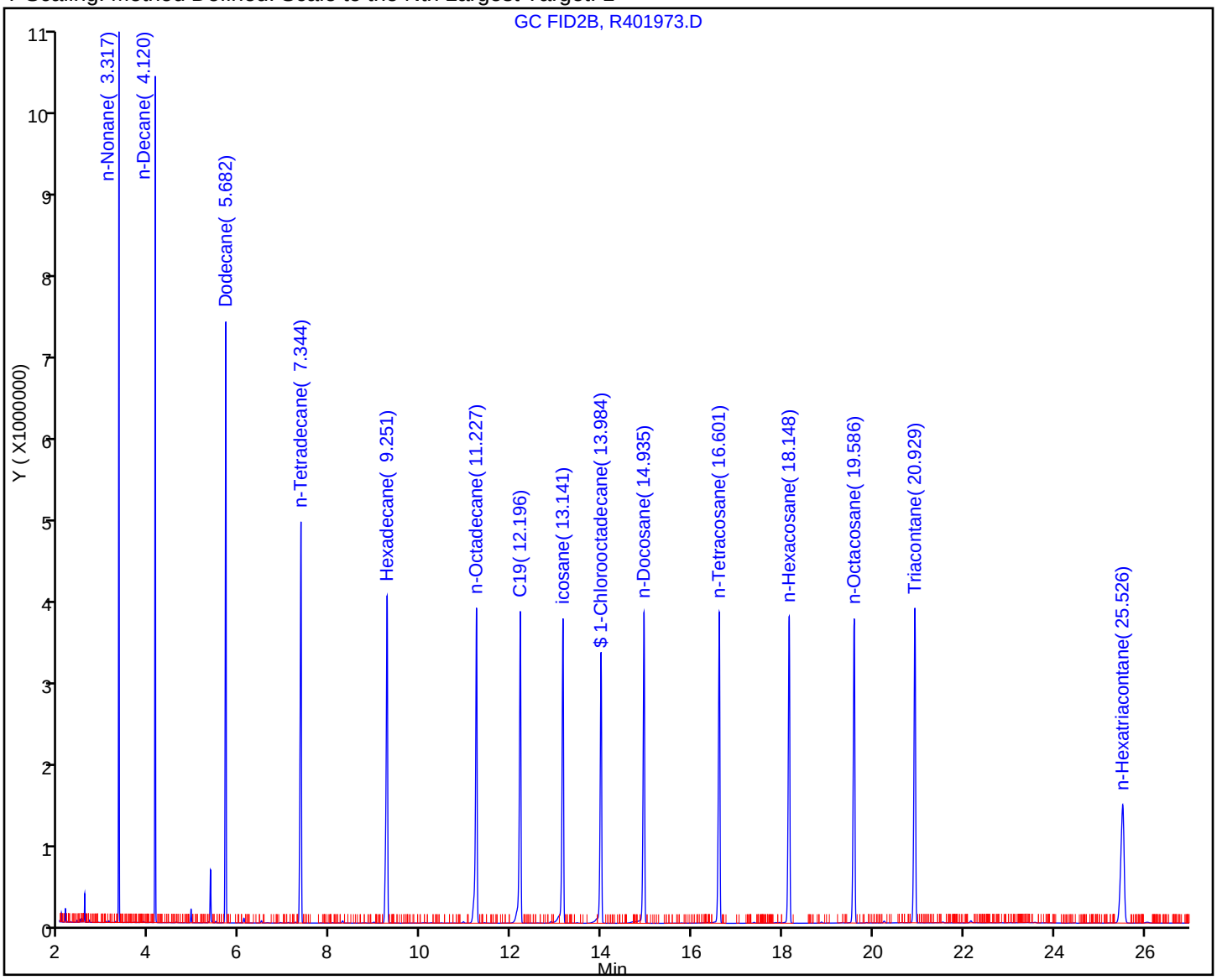
First Level Reviewer: malanowskiv Date: 12-Dec-2011 13:31:09

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.941	5.941	0.000	6422117	45.1	
$ 2 2-Bromonaphthalene						
1	6.802	6.802	0.000	4306476	45.7	
$ 3 o-Terphenyl						
1	10.406	10.406	0.000	7945631	44.5	
$ 4 1-Chlorooctadecane						
2	13.984	13.984	0.000	7275457	47.4	
5 n-Nonane						
2	3.317	3.317	0.000	9299011	51.8	
6 n-Decane						
2	4.120	4.120	0.000	9648499	48.6	
7 Naphthalene						
1	4.697	4.697	0.000	8290528	46.8	
8 2-Methylnaphthalene						
1	5.467	5.467	0.000	7954117	46.3	
9 Dodecane						
2	5.682	5.682	0.000	9556651	50.6	
11 Acenaphthylene						
1	6.614	6.614	0.000	7898858	44.2	
12 Acenaphthene						
1	6.895	6.895	0.000	7932628	44.5	
15 n-Tetradecane						
2	7.344	7.344	0.000	9194261	51.1	
14 Fluorene						
1	7.707	7.707	0.000	7821690	45.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.251	0.000	9044087	49.2	
16 Phenanthrene						
1	9.457	9.457	0.000	7503566	45.3	
17 Anthracene						
1	9.548	9.548	0.000	7330427	47.4	
20 n-Octadecane						
2	11.227	11.227	0.000	8876750	48.7	
19 Fluoranthene						
1	11.956	11.956	0.000	7360549	46.7	
22 C19						
2	12.196	12.196	0.000	8710813	49.1	
21 Pyrene						
1	12.420	12.420	0.000	7733741	46.0	
23 icosane						
2	13.141	13.141	0.000	8286031	47.1	
27 n-Docosane						
2	14.935	14.935	0.000	8430280	48.0	
24 Benzo[a]anthracene						
1	15.148	15.148	0.000	6914625	49.3	
25 Chrysene						
1	15.245	15.245	0.000	7243932	50.0	
28 n-Tetracosane						
2	16.601	16.601	0.000	8527177	47.8	
29 Benzo[b]fluoranthene						
1	17.473	17.473	0.000	6931559	49.8	
30 Benzo[k]fluoranthene						
1	17.537	17.537	0.000	6838930	50.9	
31 Benzo[a]pyrene						
1	18.093	18.093	0.000	6867906	48.5	
32 n-Hexacosane						
2	18.148	18.148	0.000	8725212	51.6	
35 n-Octacosane						
2	19.586	19.586	0.000	8898719	51.8	
33 Indeno[1,2,3-cd]pyrene						
1	20.130	20.130	0.000	5599016	43.6	
34 Dibenz(a,h)anthracene						
1	20.194	20.194	0.000	5341868	42.7	
36 Benzo[g,h,i]perylene						
1	20.545	20.545	0.000	5211194	41.6	
37 Triacontane						
2	20.929	20.929	0.000	9122396	50.0	
38 n-Hexatriacontane						
2	25.526	25.526	0.000	7128222	46.7	
A 39 C9-C18 Aliphatics						
2	7.272	3.217 - 11.327		59163967	279.8	
A 40 C11-C22 Aromatics						
1	12.799	4.597 - 20.995		123713480	703.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.546	11.327	-25.807	71683935	395.7	
S 43 Total EPH						
2					766.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					91.1	
S 44 EPH Adjustment 1						
1					702.6	

Report Date: 12-Dec-2011 13:31:10 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111209-7376.b\R401973.D
Injection Date: 10-Dec-2011 00:45:38 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84564 Lims Sample ID: 22
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: | Lab Sample ID: MB 360-84105/1-A

Matrix: Solid | Lab File ID: R401925.D

Analysis Method: MA-EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.00(g) | Date Analyzed: 12/09/2011 10:26

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84518 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.33	0.33
208-96-8	Acenaphthylene	ND		0.33	0.33
120-12-7	Anthracene	ND		0.33	0.33
56-55-3	Benzo[a]anthracene	ND		0.33	0.33
50-32-8	Benzo[a]pyrene	ND		0.33	0.33
205-99-2	Benzo[b]fluoranthene	ND		0.33	0.33
191-24-2	Benzo[g,h,i]perylene	ND		0.33	0.33
207-08-9	Benzo[k]fluoranthene	ND		0.33	0.33
218-01-9	Chrysene	ND		0.33	0.33
53-70-3	Dibenz(a,h)anthracene	ND		0.33	0.33
206-44-0	Fluoranthene	ND		0.33	0.33
86-73-7	Fluorene	ND		0.33	0.33
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.33	0.33
91-57-6	2-Methylnaphthalene	ND		0.33	0.33
91-20-3	Naphthalene	ND		0.33	0.33
85-01-8	Phenanthrene	ND		0.33	0.33
129-00-0	Pyrene	ND		0.33	0.33
STL00058	C11-C22 Aromatics (unadjusted)	ND		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	70		40-140
321-60-8	2-Fluorobiphenyl	71		40-140
84-15-1	o-Terphenyl	60		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401925.D		
Lims ID:	MB 360-84105/1-A	Client ID:	
Inject. Date:	09-Dec-2011 10:26:29	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 360-84105/1-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	70
Lims Batch ID:	84518	Lims Sample ID:	34
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m		
Last Update:	09-Dec-2011 12:18:13	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

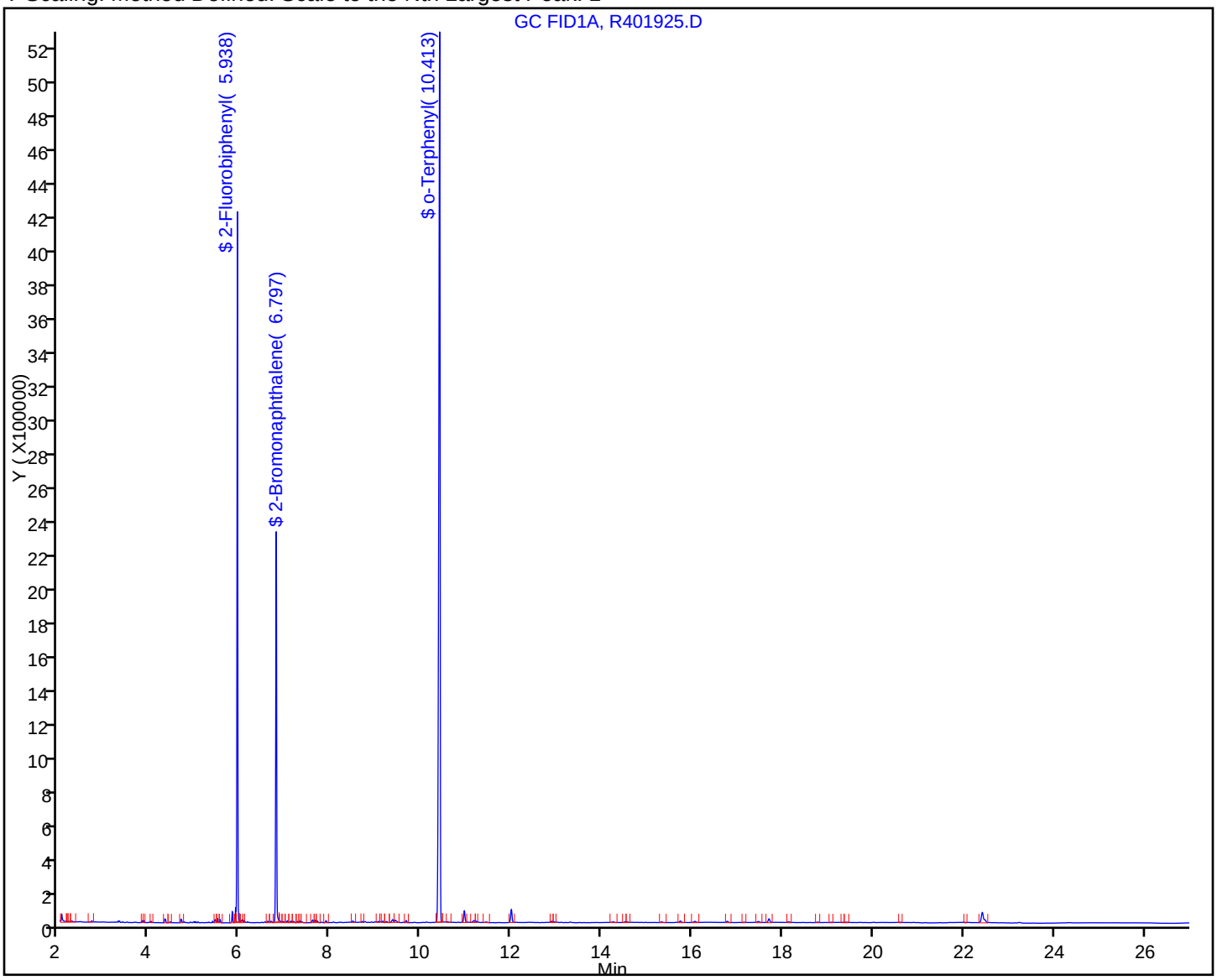
First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:19:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.941	-0.003	5062451	35.6	
$ 2 2-Bromonaphthalene						
1	6.797	6.802	-0.005	3302795	35.1	
$ 3 o-Terphenyl						
1	10.413	10.407	0.006	10806035	60.5	
$ 4 1-Chlorooctadecane						
2	13.987	13.986	0.001	10452413	68.2	
A 40 C11-C22 Aromatics						
1	12.795	4.597 -	20.993	3618228	23.2	
A 41 C19-C36 Aliphatics						
2	18.586	11.330 -	25.842	7636114	15.4	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						
S 42 C11-C22 Aromatics (Adjusted)						
2					23.2	
S 43 Total EPH						
2					38.6	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 09-Dec-2011 12:19:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401925.D
Injection Date: 09-Dec-2011 10:26:29 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84518 Lims Sample ID: 34
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: MB 360-84105/1-A

Matrix: Solid Lab File ID: R401925.D

Analysis Method: MA-EPH Date Collected:

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.00(g) Date Analyzed: 12/09/2011 10:26

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84518 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.3	3.3
STL00087	C19-C36 Aliphatics	ND		3.3	3.3
STL00306	C9-C18 Aliphatics	ND		3.3	3.3
STL00362	Total EPH	ND		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	68		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401925.D		
Lims ID:	MB 360-84105/1-A	Client ID:	
Inject. Date:	09-Dec-2011 10:26:29	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 360-84105/1-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	70
Lims Batch ID:	84518	Lims Sample ID:	34
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m		
Last Update:	09-Dec-2011 12:18:13	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:19:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.941	-0.003	5062451	35.6	
$ 2 2-Bromonaphthalene						
1	6.797	6.802	-0.005	3302795	35.1	
$ 3 o-Terphenyl						
1	10.413	10.407	0.006	10806035	60.5	
$ 4 1-Chlorooctadecane						
2	13.987	13.986	0.001	10452413	68.2	
A 40 C11-C22 Aromatics						
1	12.795	4.597 -	20.993	3618228	23.2	
A 41 C19-C36 Aliphatics						
2	18.586	11.330 -	25.842	7636114	15.4	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						
S 42 C11-C22 Aromatics (Adjusted)						
2					23.2	
S 43 Total EPH						
2					38.6	

QC Flag Legend

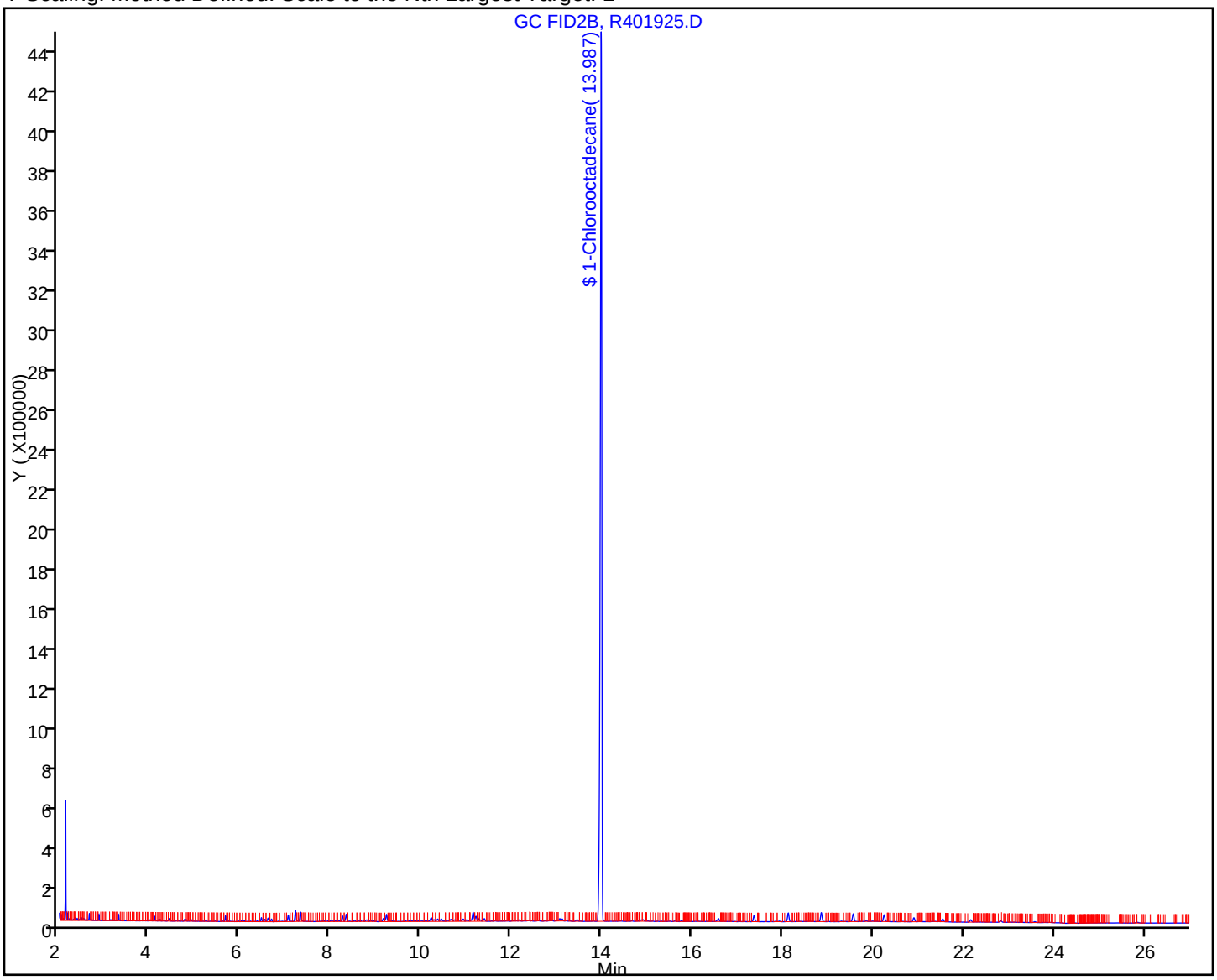
Processing Flags
7 - Failed Limit of Detection

Report Date: 09-Dec-2011 12:19:28 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401925.D

Injection Date:	09-Dec-2011 10:26:29	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	34
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: | Lab Sample ID: LCS 360-84105/2-A

Matrix: Solid | Lab File ID: R401913.D

Analysis Method: MA-EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.00(g) | Date Analyzed: 12/09/2011 05:52

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84518 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	2.39		0.33	0.33
208-96-8	Acenaphthylene	2.34		0.33	0.33
120-12-7	Anthracene	2.87		0.33	0.33
56-55-3	Benzo[a]anthracene	3.22		0.33	0.33
50-32-8	Benzo[a]pyrene	3.17		0.33	0.33
205-99-2	Benzo[b]fluoranthene	3.34		0.33	0.33
191-24-2	Benzo[g,h,i]perylene	3.15		0.33	0.33
207-08-9	Benzo[k]fluoranthene	3.38		0.33	0.33
218-01-9	Chrysene	3.15		0.33	0.33
53-70-3	Dibenz(a,h)anthracene	3.09		0.33	0.33
206-44-0	Fluoranthene	2.91		0.33	0.33
86-73-7	Fluorene	2.58		0.33	0.33
193-39-5	Indeno[1,2,3-cd]pyrene	3.25		0.33	0.33
91-57-6	2-Methylnaphthalene	2.37		0.33	0.33
91-20-3	Naphthalene	2.14		0.33	0.33
85-01-8	Phenanthrene	2.71		0.33	0.33
129-00-0	Pyrene	2.81		0.33	0.33
STL00058	C11-C22 Aromatics (unadjusted)	50.4		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	77		40-140
321-60-8	2-Fluorobiphenyl	76		40-140
84-15-1	o-Terphenyl	74		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401913.D		
Lims ID:	LCS 360-84105/2-A	Client ID:	
Inject. Date:	09-Dec-2011 05:52:56	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 360-84105/2-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	58
Lims Batch ID:	84518	Lims Sample ID:	30
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m		
Last Update:	09-Dec-2011 12:17:27	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:17:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.941	-0.002	5403469	38.0	
$ 2 2-Bromonaphthalene						
1	6.799	6.802	-0.003	3615816	38.4	
$ 3 o-Terphenyl						
1	10.418	10.407	0.011	13178023	73.7	
$ 4 1-Chlorooctadecane						
2	13.991	13.986	0.005	10481658	68.4	
5 n-Nonane						
2	3.313	3.316	-0.003	3843299	21.3	
6 n-Decane						
2	4.115	4.119	-0.004	5214805	26.2	
7 Naphthalene						
1	4.693	4.697	-0.004	5680198	32.1	
8 2-Methylnaphthalene						
1	5.464	5.467	-0.003	6083873	35.5	
9 Dodecane						
2	5.678	5.682	-0.004	6087941	32.2	
10 Naphthalene_B						
2	5.742	5.750	-0.008	68911	0.3297	7
LOD = 0.5000						
11 Acenaphthylene						
1	6.611	6.614	-0.003	6282363	35.1	
13 2-Methylnaphthalene_B						
2	6.648	6.654	-0.006	108587	0.5289	
12 Acenaphthene						
1	6.892	6.894	-0.002	6396689	35.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
15 n-Tetradecane						
2	7.340	7.343	-0.003	6592007	36.6	
14 Fluorene						
1	7.705	7.707	-0.002	6686185	38.7	
18 Hexadecane						
2	9.248	9.251	-0.003	7008782	38.1	
16 Phenanthrene						
1	9.456	9.457	-0.001	6712875	40.6	
17 Anthracene						
1	9.547	9.548	-0.001	6645085	43.0	
20 n-Octadecane						
2	11.226	11.230	-0.004	7317805	40.1	
19 Fluoranthene						
1	11.952	11.952	0.000	6877358	43.6	
22 C19						
2	12.196	12.199	-0.003	7195526	40.6	
21 Pyrene						
1	12.416	12.416	0.000	7076613	42.1	
23 icosane						
2	13.140	13.141	-0.001	7179274	40.8	
27 n-Docosane						
2	14.932	14.936	-0.004	7040223	40.1	
24 Benzo[a]anthracene						
1	15.145	15.147	-0.002	6773343	48.3	
25 Chrysene						
1	15.243	15.242	0.001	6838375	47.2	
28 n-Tetracosane						
2	16.598	16.599	-0.001	7100169	39.8	
29 Benzo[b]fluoranthene						
1	17.474	17.471	0.003	6971182	50.1	
30 Benzo[k]fluoranthene						
1	17.535	17.532	0.003	6805131	50.7	
31 Benzo[a]pyrene						
1	18.093	18.093	0.000	6736593	47.5	
32 n-Hexacosane						
2	18.144	18.147	-0.003	7218197	42.7	
35 n-Octacosane						
2	19.581	19.585	-0.004	7167800	41.7	
33 Indeno[1,2,3-cd]pyrene						
1	20.135	20.127	0.008	6242740	48.7	
34 Dibenz(a,h)anthracene						
1	20.198	20.196	0.002	5803014	46.4	
36 Benzo[g,h,i]perylene						
1	20.550	20.545	0.005	5906431	47.2	
37 Triacontane						
2	20.926	20.927	-0.001	7495627	41.1	
38 n-Hexatriacontane						M
2	25.518	25.530	-0.012	6770151	44.4	M

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	7.273	3.216 - 11.330		42035717	187.4	
A 40 C11-C22 Aromatics						
1	12.795	4.597 - 20.993		117825626	755.8	
A 41 C19-C36 Aliphatics						
2	18.586	11.330 -25.842		64667970	354.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

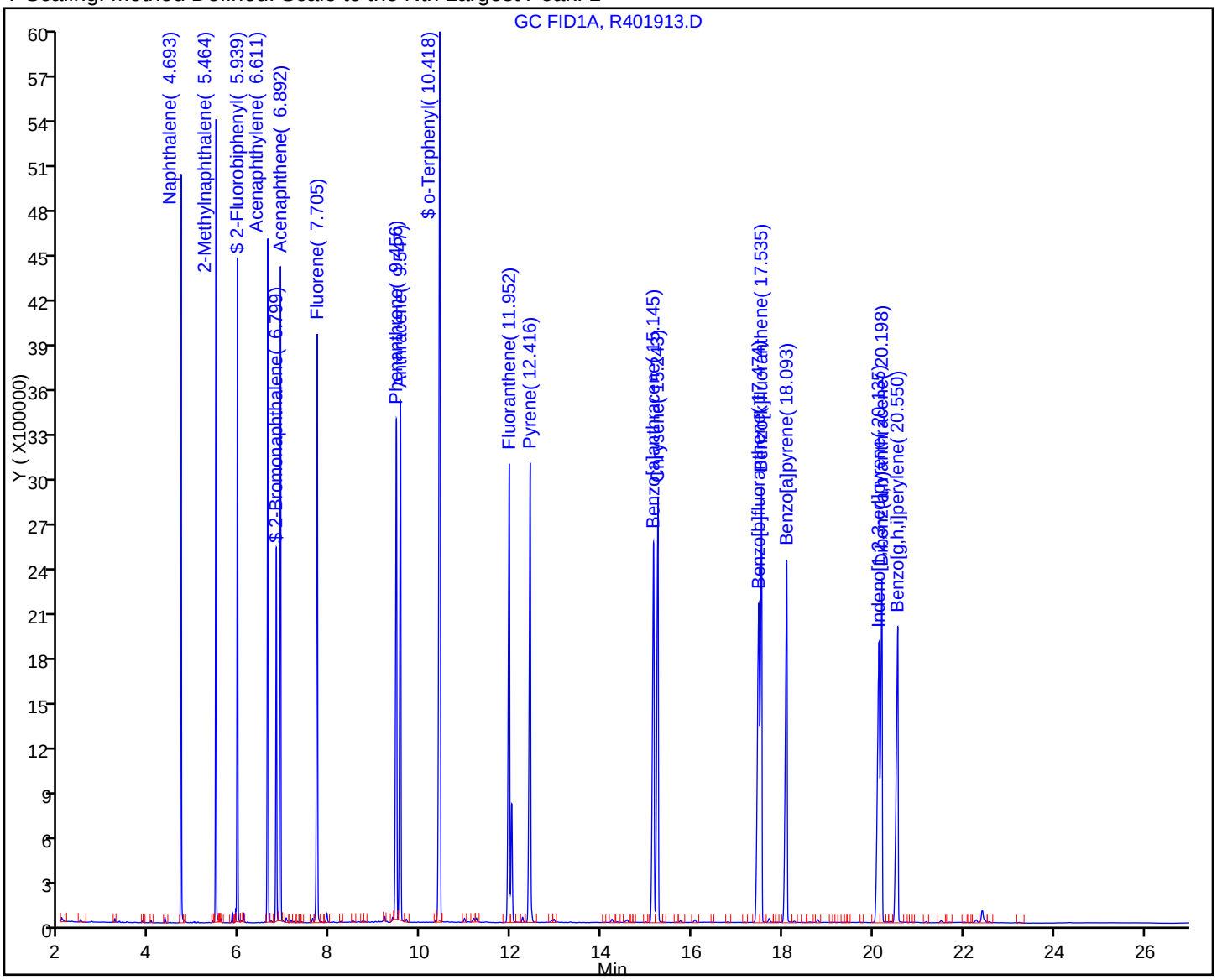
Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:17:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401913.D

Injection Date:	09-Dec-2011 05:52:56	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	30
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: LCS 360-84105/2-A

Matrix: Solid Lab File ID: R401913.D

Analysis Method: MA-EPH Date Collected:

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.00(g) Date Analyzed: 12/09/2011 05:52

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84518 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	23.6		3.3	3.3
STL00306	C9-C18 Aliphatics	12.5		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	68		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401913.D		
Lims ID:	LCS 360-84105/2-A	Client ID:	
Inject. Date:	09-Dec-2011 05:52:56	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 360-84105/2-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	58
Lims Batch ID:	84518	Lims Sample ID:	30
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m		
Last Update:	09-Dec-2011 12:17:27	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:17:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.941	-0.002	5403469	38.0	
$ 2 2-Bromonaphthalene						
1	6.799	6.802	-0.003	3615816	38.4	
$ 3 o-Terphenyl						
1	10.418	10.407	0.011	13178023	73.7	
$ 4 1-Chlorooctadecane						
2	13.991	13.986	0.005	10481658	68.4	
5 n-Nonane						
2	3.313	3.316	-0.003	3843299	21.3	
6 n-Decane						
2	4.115	4.119	-0.004	5214805	26.2	
7 Naphthalene						
1	4.693	4.697	-0.004	5680198	32.1	
8 2-Methylnaphthalene						
1	5.464	5.467	-0.003	6083873	35.5	
9 Dodecane						
2	5.678	5.682	-0.004	6087941	32.2	
10 Naphthalene_B						
2	5.742	5.750	-0.008	68911	0.3297	7
LOD = 0.5000						
11 Acenaphthylene						
1	6.611	6.614	-0.003	6282363	35.1	
13 2-Methylnaphthalene_B						
2	6.648	6.654	-0.006	108587	0.5289	
12 Acenaphthene						
1	6.892	6.894	-0.002	6396689	35.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
15 n-Tetradecane						
2	7.340	7.343	-0.003	6592007	36.6	
14 Fluorene						
1	7.705	7.707	-0.002	6686185	38.7	
18 Hexadecane						
2	9.248	9.251	-0.003	7008782	38.1	
16 Phenanthrene						
1	9.456	9.457	-0.001	6712875	40.6	
17 Anthracene						
1	9.547	9.548	-0.001	6645085	43.0	
20 n-Octadecane						
2	11.226	11.230	-0.004	7317805	40.1	
19 Fluoranthene						
1	11.952	11.952	0.000	6877358	43.6	
22 C19						
2	12.196	12.199	-0.003	7195526	40.6	
21 Pyrene						
1	12.416	12.416	0.000	7076613	42.1	
23 icosane						
2	13.140	13.141	-0.001	7179274	40.8	
27 n-Docosane						
2	14.932	14.936	-0.004	7040223	40.1	
24 Benzo[a]anthracene						
1	15.145	15.147	-0.002	6773343	48.3	
25 Chrysene						
1	15.243	15.242	0.001	6838375	47.2	
28 n-Tetracosane						
2	16.598	16.599	-0.001	7100169	39.8	
29 Benzo[b]fluoranthene						
1	17.474	17.471	0.003	6971182	50.1	
30 Benzo[k]fluoranthene						
1	17.535	17.532	0.003	6805131	50.7	
31 Benzo[a]pyrene						
1	18.093	18.093	0.000	6736593	47.5	
32 n-Hexacosane						
2	18.144	18.147	-0.003	7218197	42.7	
35 n-Octacosane						
2	19.581	19.585	-0.004	7167800	41.7	
33 Indeno[1,2,3-cd]pyrene						
1	20.135	20.127	0.008	6242740	48.7	
34 Dibenz(a,h)anthracene						
1	20.198	20.196	0.002	5803014	46.4	
36 Benzo[g,h,i]perylene						
1	20.550	20.545	0.005	5906431	47.2	
37 Triacontane						
2	20.926	20.927	-0.001	7495627	41.1	
38 n-Hexatriacontane						M
2	25.518	25.530	-0.012	6770151	44.4	M

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	7.273	3.216 - 11.330		42035717	187.4	
A 40 C11-C22 Aromatics						
1	12.795	4.597 - 20.993		117825626	755.8	
A 41 C19-C36 Aliphatics						
2	18.586	11.330 -25.842		64667970	354.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

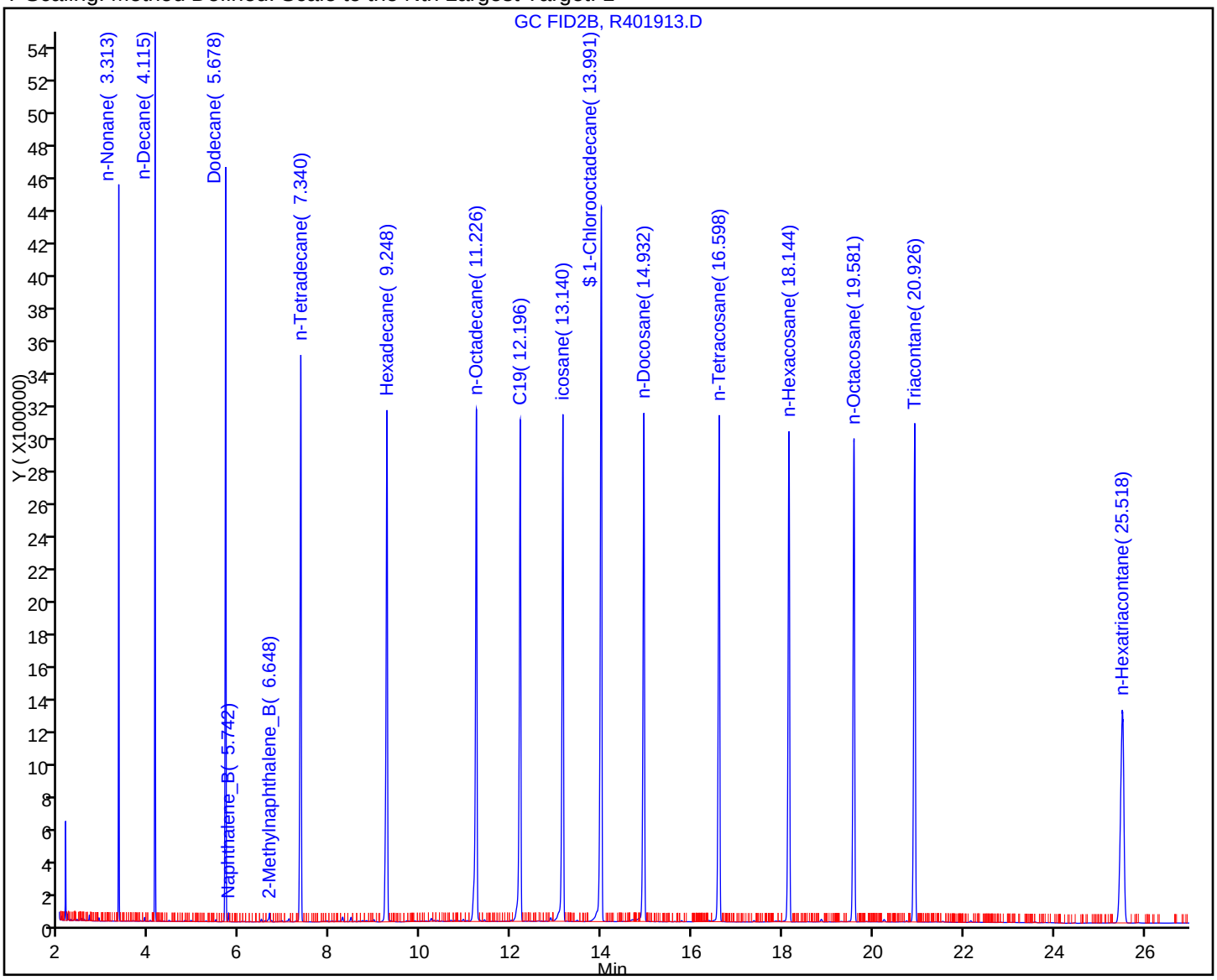
Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:17:28 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401913.D

Injection Date:	09-Dec-2011 05:52:56	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	30
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 09-Dec-2011 12:17:28 Chrom Revision: 2.0 29-Sep-2011 09:38:02

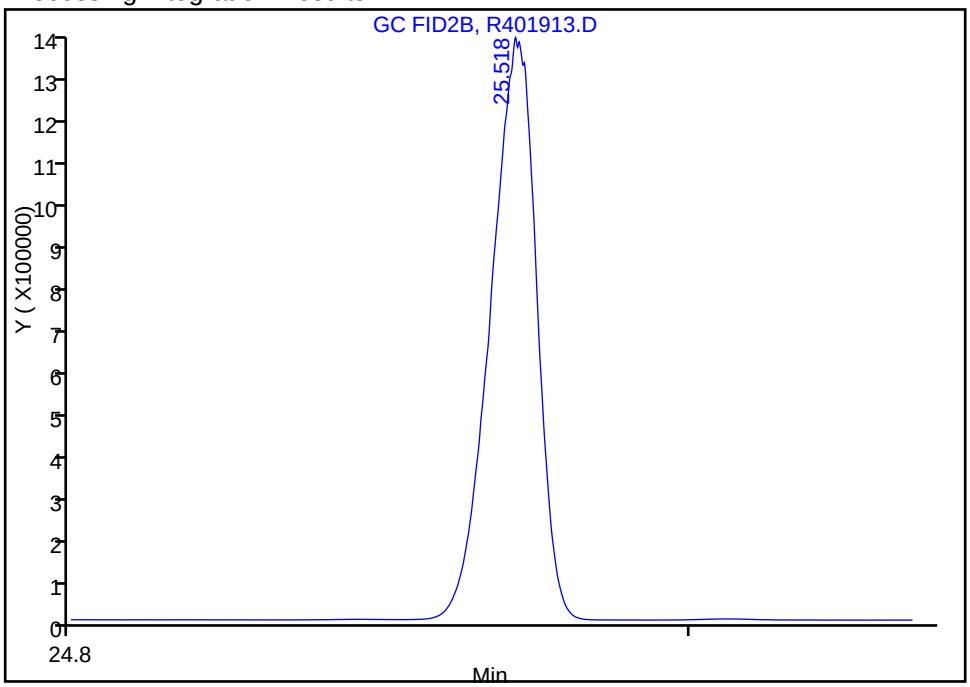
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401913.D		
Injection Date:	09-Dec-2011 05:52:56	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	30
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.53, Det: GC FID2B

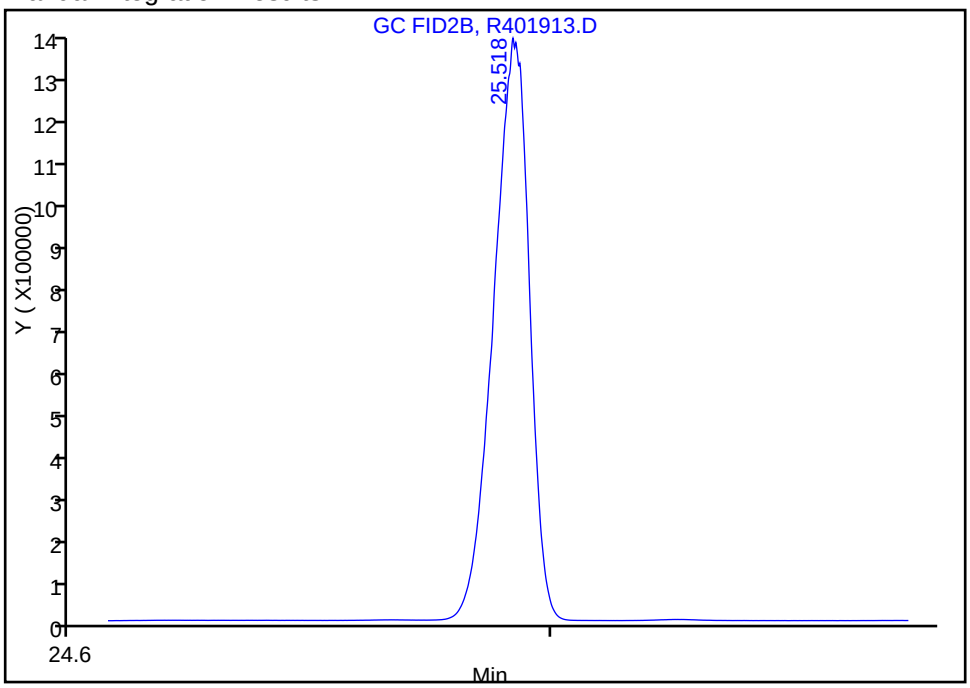
Processing Integration Results

RT: 25.52
Response: 966006
Amount: 6.335290



Manual Integration Results

RT: 25.52
Response: 6770151
Amount: 44.400209



Reviewer: malanowskiv, 09-Dec-2011 12:17:27
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: | Lab Sample ID: LCSD 360-84105/3-A

Matrix: Solid | Lab File ID: R401915.D

Analysis Method: MA-EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.00(g) | Date Analyzed: 12/09/2011 06:27

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84518 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	2.35		0.33	0.33
208-96-8	Acenaphthylene	2.30		0.33	0.33
120-12-7	Anthracene	2.82		0.33	0.33
56-55-3	Benzo[a]anthracene	3.17		0.33	0.33
50-32-8	Benzo[a]pyrene	3.13		0.33	0.33
205-99-2	Benzo[b]fluoranthene	3.27		0.33	0.33
191-24-2	Benzo[g,h,i]perylene	3.11		0.33	0.33
207-08-9	Benzo[k]fluoranthene	3.37		0.33	0.33
218-01-9	Chrysene	3.09		0.33	0.33
53-70-3	Dibenz(a,h)anthracene	3.05		0.33	0.33
206-44-0	Fluoranthene	2.86		0.33	0.33
86-73-7	Fluorene	2.53		0.33	0.33
193-39-5	Indeno[1,2,3-cd]pyrene	3.22		0.33	0.33
91-57-6	2-Methylnaphthalene	2.33		0.33	0.33
91-20-3	Naphthalene	2.10		0.33	0.33
85-01-8	Phenanthrene	2.67		0.33	0.33
129-00-0	Pyrene	2.76		0.33	0.33
STL00058	C11-C22 Aromatics (unadjusted)	49.7		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	76		40-140
321-60-8	2-Fluorobiphenyl	75		40-140
84-15-1	o-Terphenyl	73		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401915.D
Lims ID: LCSD 360-84105/3-A Client ID:
Inject. Date: 09-Dec-2011 06:27:13 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD 360-84105/3-A
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 60
Lims Batch ID: 84518 Lims Sample ID: 31
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:18:13 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:18:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.941	-0.002	5319539	37.4	
$ 2 2-Bromonaphthalene						
1	6.798	6.802	-0.004	3555683	37.8	
$ 3 o-Terphenyl						
1	10.417	10.407	0.010	12990747	72.7	
$ 4 1-Chlorooctadecane						
2	13.986	13.986	0.000	9935514	64.8	
5 n-Nonane						
2	3.312	3.316	-0.004	3596400	19.9	
6 n-Decane						
2	4.116	4.119	-0.003	4892247	24.6	
7 Naphthalene						
1	4.692	4.697	-0.005	5573338	31.5	
8 2-Methylnaphthalene						
1	5.464	5.467	-0.003	5998414	35.0	
9 Dodecane						
2	5.679	5.682	-0.003	5784221	30.6	
10 Naphthalene_B						
2	5.742	5.750	-0.008	25544	0.1222	7
LOD =	0.5000					
11 Acenaphthylene						
1	6.612	6.614	-0.002	6179282	34.5	
13 2-Methylnaphthalene_B						
2	6.649	6.654	-0.005	25777	0.1255	7
LOD =	0.5000					
12 Acenaphthene						
1	6.891	6.894	-0.003	6288813	35.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
15 n-Tetradecane						
2	7.341	7.343	-0.002	6299868	35.0	
14 Fluorene						
1	7.703	7.707	-0.004	6580368	38.0	
18 Hexadecane						
2	9.246	9.251	-0.005	6697189	36.4	
16 Phenanthrene						
1	9.456	9.457	-0.001	6613158	40.0	
17 Anthracene						
1	9.547	9.548	-0.001	6544606	42.3	
20 n-Octadecane						
2	11.226	11.230	-0.004	7051424	38.7	
19 Fluoranthene						
1	11.952	11.952	0.000	6764251	42.9	
22 C19						
2	12.196	12.199	-0.003	6961276	39.2	
21 Pyrene						
1	12.415	12.416	-0.001	6958826	41.4	
23 icosane						
2	13.137	13.141	-0.004	6985503	39.7	
27 n-Docosane						
2	14.932	14.936	-0.004	6827826	38.9	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	6670746	47.6	
25 Chrysene						
1	15.242	15.242	0.000	6720854	46.4	
28 n-Tetracosane						
2	16.597	16.599	-0.002	6941474	38.9	
29 Benzo[b]fluoranthene						
1	17.474	17.471	0.003	6818637	49.0	
30 Benzo[k]fluoranthene						
1	17.536	17.532	0.004	6791810	50.6	
31 Benzo[a]pyrene						
1	18.093	18.093	0.000	6663200	47.0	
32 n-Hexacosane						
2	18.143	18.147	-0.004	7051412	41.7	
35 n-Octacosane						
2	19.582	19.585	-0.003	6998100	40.7	
33 Indeno[1,2,3-cd]pyrene						
1	20.131	20.127	0.004	6191027	48.3	
34 Dibenz(a,h)anthracene						
1	20.195	20.196	-0.001	5728274	45.8	
36 Benzo[g,h,i]perylene						
1	20.548	20.545	0.003	5844313	46.7	
37 Triacontane						
2	20.927	20.927	0.000	7308155	40.1	
38 n-Hexatriacontane						M
2	25.521	25.530	-0.009	6517811	43.7	M

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	7.273	3.216 - 11.330		40119560	177.0	
A 40 C11-C22 Aromatics						
1	12.795	4.597 - 20.993		116246709	745.7	
A 41 C19-C36 Aliphatics						
2	18.586	11.330 -25.842		62901660	343.5	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

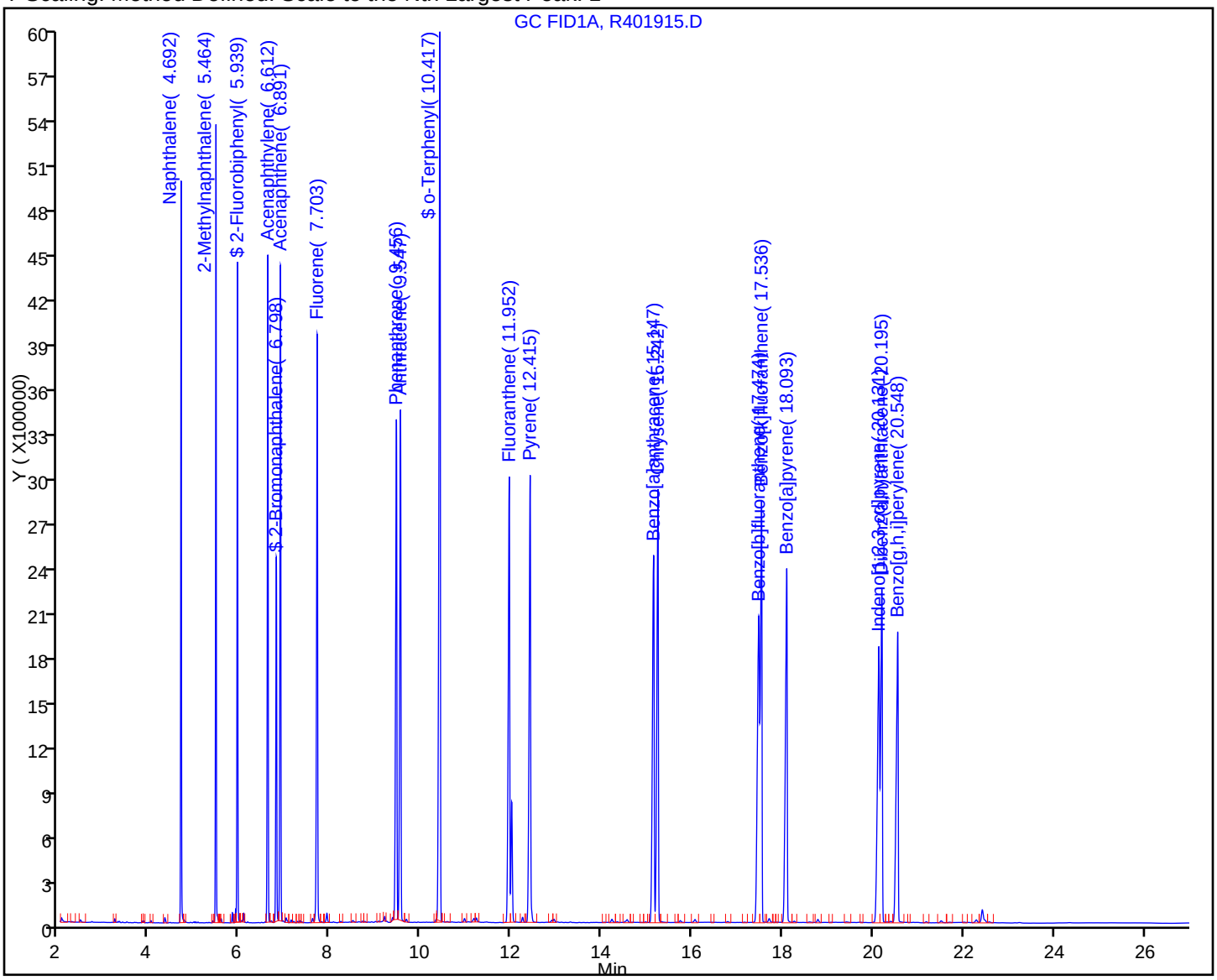
Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:18:13 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401915.D

Injection Date:	09-Dec-2011 06:27:13	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	31
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Client Sample ID: Lab Sample ID: LCSD 360-84105/3-A

Matrix: Solid Lab File ID: R401915.D

Analysis Method: MA-EPH Date Collected:

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.00(g) Date Analyzed: 12/09/2011 06:27

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84518 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	22.9		3.3	3.3
STL00306	C9-C18 Aliphatics	11.8		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	65		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401915.D
Lims ID: LCSD 360-84105/3-A Client ID:
Inject. Date: 09-Dec-2011 06:27:13 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD 360-84105/3-A
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 60
Lims Batch ID: 84518 Lims Sample ID: 31
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:18:13 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:18:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.941	-0.002	5319539	37.4	
$ 2 2-Bromonaphthalene						
1	6.798	6.802	-0.004	3555683	37.8	
$ 3 o-Terphenyl						
1	10.417	10.407	0.010	12990747	72.7	
$ 4 1-Chlorooctadecane						
2	13.986	13.986	0.000	9935514	64.8	
5 n-Nonane						
2	3.312	3.316	-0.004	3596400	19.9	
6 n-Decane						
2	4.116	4.119	-0.003	4892247	24.6	
7 Naphthalene						
1	4.692	4.697	-0.005	5573338	31.5	
8 2-Methylnaphthalene						
1	5.464	5.467	-0.003	5998414	35.0	
9 Dodecane						
2	5.679	5.682	-0.003	5784221	30.6	
10 Naphthalene_B						
2	5.742	5.750	-0.008	25544	0.1222	7
LOD =	0.5000					
11 Acenaphthylene						
1	6.612	6.614	-0.002	6179282	34.5	
13 2-Methylnaphthalene_B						
2	6.649	6.654	-0.005	25777	0.1255	7
LOD =	0.5000					
12 Acenaphthene						
1	6.891	6.894	-0.003	6288813	35.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
15 n-Tetradecane						
2	7.341	7.343	-0.002	6299868	35.0	
14 Fluorene						
1	7.703	7.707	-0.004	6580368	38.0	
18 Hexadecane						
2	9.246	9.251	-0.005	6697189	36.4	
16 Phenanthrene						
1	9.456	9.457	-0.001	6613158	40.0	
17 Anthracene						
1	9.547	9.548	-0.001	6544606	42.3	
20 n-Octadecane						
2	11.226	11.230	-0.004	7051424	38.7	
19 Fluoranthene						
1	11.952	11.952	0.000	6764251	42.9	
22 C19						
2	12.196	12.199	-0.003	6961276	39.2	
21 Pyrene						
1	12.415	12.416	-0.001	6958826	41.4	
23 icosane						
2	13.137	13.141	-0.004	6985503	39.7	
27 n-Docosane						
2	14.932	14.936	-0.004	6827826	38.9	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	6670746	47.6	
25 Chrysene						
1	15.242	15.242	0.000	6720854	46.4	
28 n-Tetracosane						
2	16.597	16.599	-0.002	6941474	38.9	
29 Benzo[b]fluoranthene						
1	17.474	17.471	0.003	6818637	49.0	
30 Benzo[k]fluoranthene						
1	17.536	17.532	0.004	6791810	50.6	
31 Benzo[a]pyrene						
1	18.093	18.093	0.000	6663200	47.0	
32 n-Hexacosane						
2	18.143	18.147	-0.004	7051412	41.7	
35 n-Octacosane						
2	19.582	19.585	-0.003	6998100	40.7	
33 Indeno[1,2,3-cd]pyrene						
1	20.131	20.127	0.004	6191027	48.3	
34 Dibenz(a,h)anthracene						
1	20.195	20.196	-0.001	5728274	45.8	
36 Benzo[g,h,i]perylene						
1	20.548	20.545	0.003	5844313	46.7	
37 Triacontane						
2	20.927	20.927	0.000	7308155	40.1	
38 n-Hexatriacontane						M
2	25.521	25.530	-0.009	6517811	43.7	M

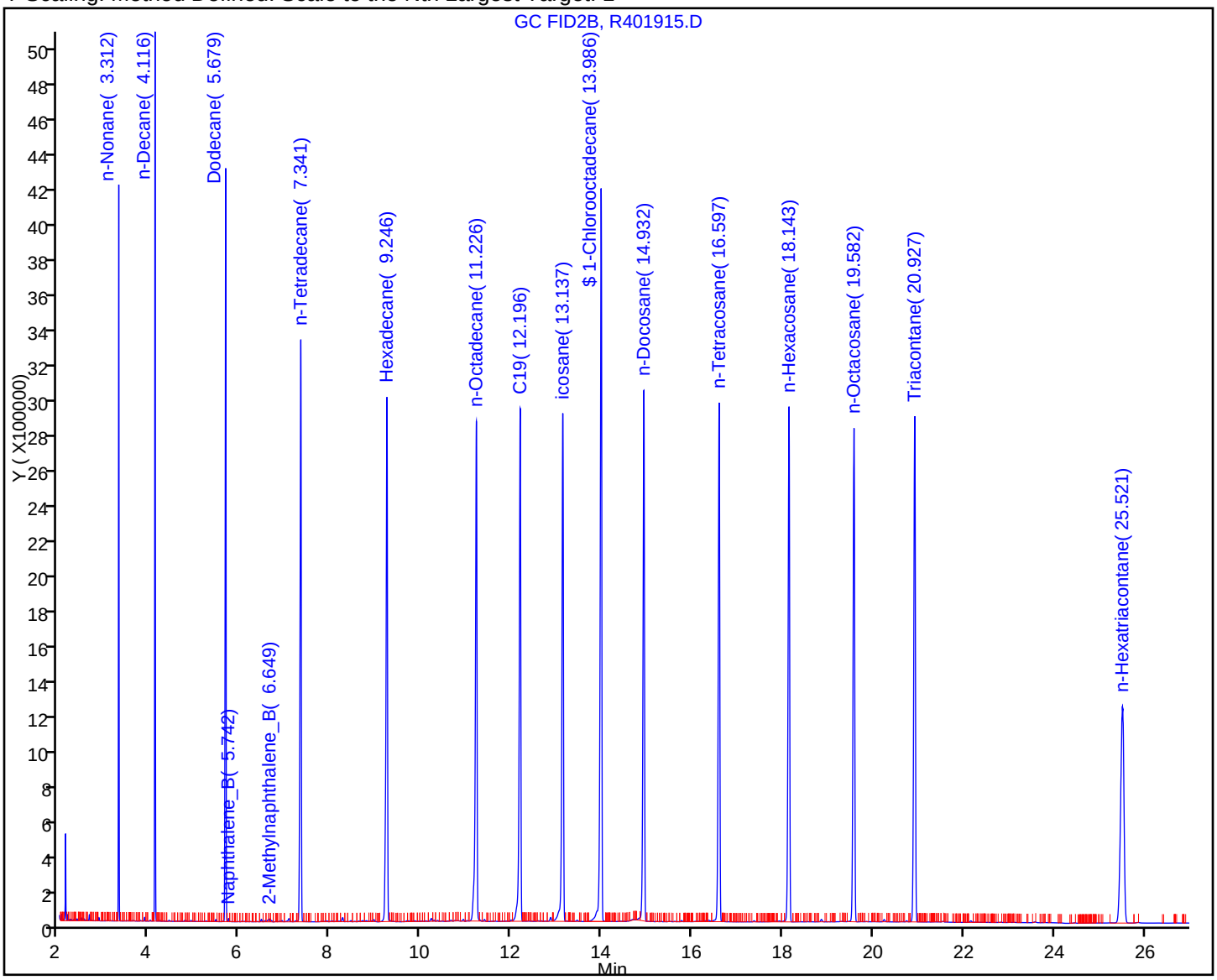
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	7.273	3.216 -	11.330	40119560	177.0	
A 40 C11-C22 Aromatics						
1	12.795	4.597 -	20.993	116246709	745.7	
A 41 C19-C36 Aliphatics						
2	18.586	11.330 -	25.842	62901660	343.5	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:18:13 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401915.D
Injection Date: 09-Dec-2011 06:27:13 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84518 Lims Sample ID: 31
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



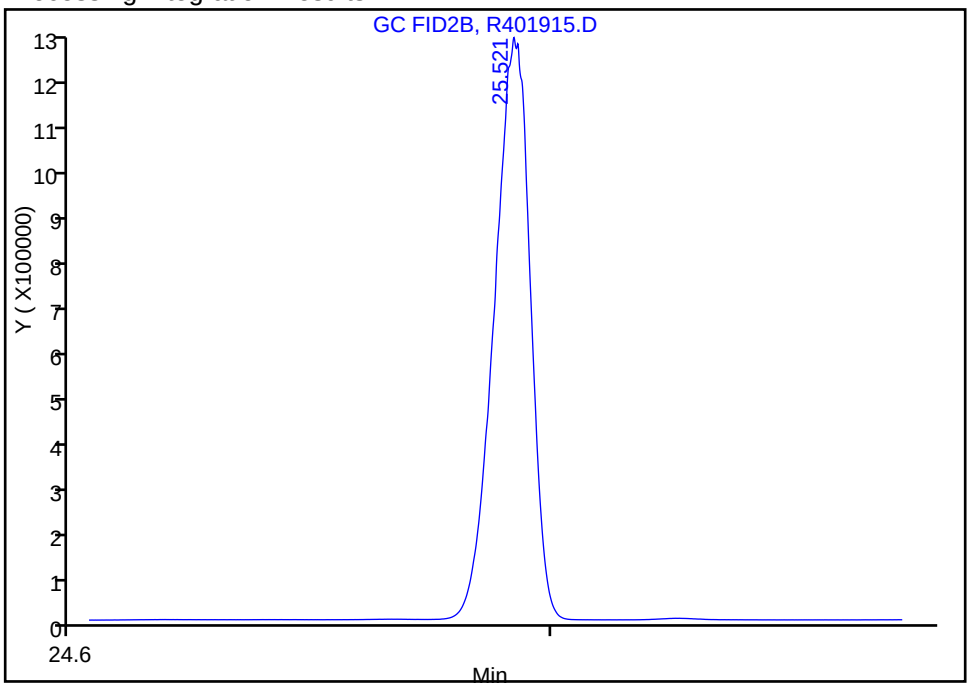
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401915.D		
Injection Date:	09-Dec-2011 06:27:13	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	31
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.53, Det: GC FID2B

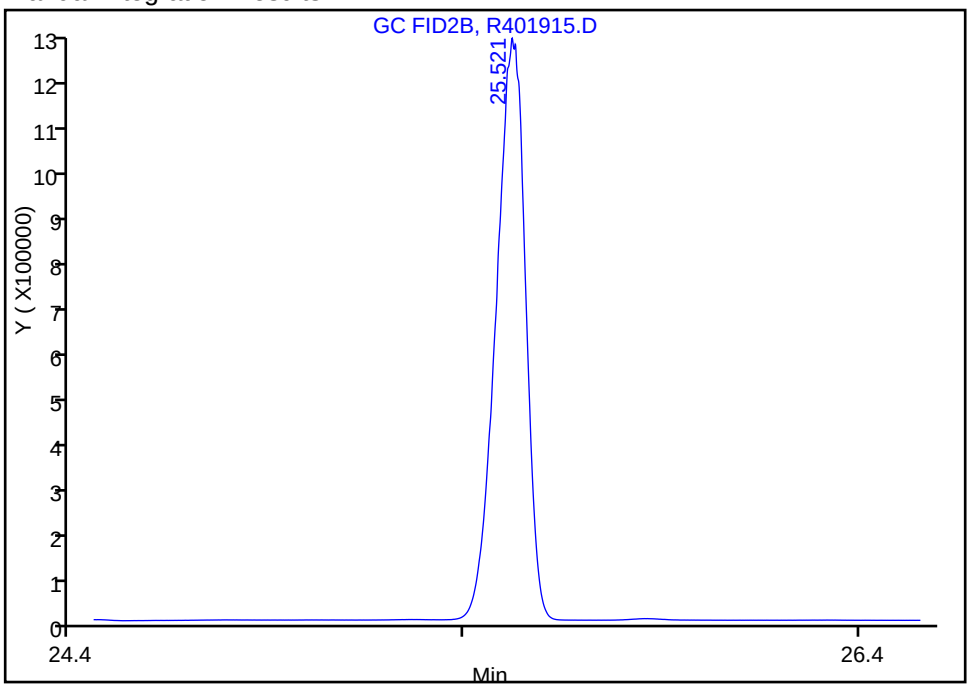
Processing Integration Results

RT: 25.52
Response: 1110064
Amount: 7.280055



Manual Integration Results

RT: 25.52
Response: 6517811
Amount: 42.745305



Reviewer: malanowskiv, 09-Dec-2011 12:18:13
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Instrument ID: INST R Start Date: 11/04/2011 15:33

Analysis Batch Number: 82885 End Date: 11/06/2011 11:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD01 360-82885/2 IC		11/04/2011 15:33	1	R400713.D	RTX-5 0.25(mm)
STD01 360-82885/2 IC		11/04/2011 15:33	1	R400713.D	RTX-5 0.25(mm)
STD05 360-82885/3 IC		11/04/2011 16:07	1	R400715.D	RTX-5 0.25(mm)
STD05 360-82885/3 IC		11/04/2011 16:07	1	R400715.D	RTX-5 0.25(mm)
STD1 360-82885/4 IC		11/04/2011 16:41	1	R400717.D	RTX-5 0.25(mm)
STD1 360-82885/4 IC		11/04/2011 16:41	1	R400717.D	RTX-5 0.25(mm)
STD5 360-82885/5 IC		11/04/2011 17:14	1	R400719.D	RTX-5 0.25(mm)
STD5 360-82885/5 IC		11/04/2011 17:14	1	R400719.D	RTX-5 0.25(mm)
STD10 360-82885/6 IC		11/04/2011 17:48	1	R400721.D	RTX-5 0.25(mm)
STD10 360-82885/6 IC		11/04/2011 17:48	1	R400721.D	RTX-5 0.25(mm)
STD25 360-82885/7 IC		11/04/2011 18:22	1	R400723.D	RTX-5 0.25(mm)
STD25 360-82885/7 IC		11/04/2011 18:22	1	R400723.D	RTX-5 0.25(mm)
STD50 360-82885/1 ICIS		11/04/2011 18:55	1	R400725.D	RTX-5 0.25(mm)
STD50 360-82885/1 ICIS		11/04/2011 18:55	1	R400725.D	RTX-5 0.25(mm)
STD100 360-82885/8 IC		11/04/2011 19:29	1	R400727.D	RTX-5 0.25(mm)
STD100 360-82885/8 IC		11/04/2011 19:29	1	R400727.D	RTX-5 0.25(mm)
STD200 360-82885/9 IC		11/04/2011 20:03	1	R400729.D	RTX-5 0.25(mm)
STD200 360-82885/9 IC		11/04/2011 20:03	1	R400729.D	RTX-5 0.25(mm)
STD1 360-82885/10 IC		11/04/2011 20:37	1		RTX-5 0.25(mm)
STD5 360-82885/11 IC		11/04/2011 21:11	1		RTX-5 0.25(mm)
STD10 360-82885/12 IC		11/04/2011 21:45	1		RTX-5 0.25(mm)
ICV 360-82885/13		11/06/2011 11:19	1		RTX-5 0.25(mm)
ICV 360-82885/13		11/06/2011 11:19	1		RTX-5 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Instrument ID: INST R Start Date: 12/08/2011 13:08

Analysis Batch Number: 84518 End Date: 12/09/2011 11:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-84518/1		12/08/2011 13:08	1	R401855.D	RTX-5 0.25(mm)
CCVRT 360-84518/1		12/08/2011 13:08	1	R401855.D	RTX-5 0.25(mm)
ZZZZZ		12/08/2011 13:58	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 13:58	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 17:23	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 17:23	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 17:57	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 17:57	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 18:30	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 18:30	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 19:05	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 19:05	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 19:39	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 19:39	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 20:12	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 20:12	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 20:46	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 20:46	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 21:21	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 21:21	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 21:55	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 21:55	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 22:29	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 22:29	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 23:03	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 23:03	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 23:37	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 23:37	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 00:11	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 00:11	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 00:45	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 00:45	1		RTX-5 0.25(mm)
CCV 360-84518/22		12/09/2011 01:19	1	R401897.D	RTX-5 0.25(mm)
CCV 360-84518/22		12/09/2011 01:19	1	R401897.D	RTX-5 0.25(mm)
ZZZZZ		12/09/2011 01:53	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 01:53	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 02:27	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 02:27	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 03:02	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 03:02	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 03:36	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 03:36	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 04:44	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 04:44	1		RTX-5 0.25(mm)
LCS 360-84105/2-A		12/09/2011 05:52	1	R401913.D	RTX-5 0.25(mm)

MA-EPH

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Instrument ID: INST R Start Date: 12/08/2011 13:08

Analysis Batch Number: 84518 End Date: 12/09/2011 11:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
LCS 360-84105/2-A		12/09/2011 05:52	1	R401913.D	RTX-5 0.25(mm)
LCSD 360-84105/3-A		12/09/2011 06:27	1	R401915.D	RTX-5 0.25(mm)
LCSD 360-84105/3-A		12/09/2011 06:27	1	R401915.D	RTX-5 0.25(mm)
ZZZZZ		12/09/2011 08:09	1.03		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 08:09	1.03		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 09:52	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 09:52	1		RTX-5 0.25(mm)
MB 360-84105/1-A		12/09/2011 10:26	1	R401925.D	RTX-5 0.25(mm)
MB 360-84105/1-A		12/09/2011 10:26	1	R401925.D	RTX-5 0.25(mm)
ZZZZZ		12/09/2011 11:00	100		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 11:00	100		RTX-5 0.25(mm)
CCV 360-84518/36		12/09/2011 11:34	1	R401929.D	RTX-5 0.25(mm)
CCV 360-84518/36		12/09/2011 11:34	1	R401929.D	RTX-5 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Instrument ID: INST R Start Date: 12/09/2011 12:08

Analysis Batch Number: 84564 End Date: 12/10/2011 00:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-84564/1		12/09/2011 12:08	1	R401931.D	RTX-5 0.25(mm)
CCVRT 360-84564/1		12/09/2011 12:08	1	R401931.D	RTX-5 0.25(mm)
360-37832-1	BC-SO-SB301-0608	12/09/2011 13:24	1	R401933.D	RTX-5 0.25(mm)
360-37832-1	BC-SO-SB301-0608	12/09/2011 13:24	1	R401933.D	RTX-5 0.25(mm)
360-37832-2	BC-SO-SB302-0810	12/09/2011 13:58	1	R401935.D	RTX-5 0.25(mm)
360-37832-2	BC-SO-SB302-0810	12/09/2011 13:58	1	R401935.D	RTX-5 0.25(mm)
360-37832-3	BC-SO-SB133-0002	12/09/2011 14:32	1	R401937.D	RTX-5 0.25(mm)
360-37832-3	BC-SO-SB133-0002	12/09/2011 14:32	1	R401937.D	RTX-5 0.25(mm)
360-37832-4	BC-SO-SBDUP01	12/09/2011 15:06	1	R401939.D	RTX-5 0.25(mm)
360-37832-4	BC-SO-SBDUP01	12/09/2011 15:06	1	R401939.D	RTX-5 0.25(mm)
360-37832-5	BC-SO-SB131-1012	12/09/2011 15:40	1	R401941.D	RTX-5 0.25(mm)
360-37832-5	BC-SO-SB131-1012	12/09/2011 15:40	1	R401941.D	RTX-5 0.25(mm)
360-37832-6	BC-SO-SB128-0002	12/09/2011 16:14	1	R401943.D	RTX-5 0.25(mm)
360-37832-6	BC-SO-SB128-0002	12/09/2011 16:14	1	R401943.D	RTX-5 0.25(mm)
360-37832-7	BC-SO-SB303-0204	12/09/2011 16:48	1	R401945.D	RTX-5 0.25(mm)
360-37832-7	BC-SO-SB303-0204	12/09/2011 16:48	1	R401945.D	RTX-5 0.25(mm)
360-37832-8	BC-SO-SB132-1012	12/09/2011 17:22	1	R401947.D	RTX-5 0.25(mm)
360-37832-8	BC-SO-SB132-1012	12/09/2011 17:22	1	R401947.D	RTX-5 0.25(mm)
360-37832-9	BC-SO-SB129-0204	12/09/2011 17:56	1	R401949.D	RTX-5 0.25(mm)
360-37832-9	BC-SO-SB129-0204	12/09/2011 17:56	1	R401949.D	RTX-5 0.25(mm)
360-37832-10	BC-SO-SB130-0810	12/09/2011 18:30	1	R401951.D	RTX-5 0.25(mm)
360-37832-10	BC-SO-SB130-0810	12/09/2011 18:30	1	R401951.D	RTX-5 0.25(mm)
ZZZZZ		12/09/2011 19:04	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 19:04	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 20:12	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 20:12	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 20:46	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 20:46	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 21:20	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 21:20	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 21:54	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 21:54	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 22:28	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 22:28	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 23:37	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 23:37	1		RTX-5 0.25(mm)
ZZZZZ		12/10/2011 00:11	1		RTX-5 0.25(mm)
ZZZZZ		12/10/2011 00:11	1		RTX-5 0.25(mm)
CCV 360-84564/22		12/10/2011 00:45	1	R401973.D	RTX-5 0.25(mm)
CCV 360-84564/22		12/10/2011 00:45	1	R401973.D	RTX-5 0.25(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Batch Number: 84105 Batch Start Date: 11/30/11 14:55 Batch Analyst: Voudren, Timothy L

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP-cod/otp 00111	OP-EPH Mat 00217	AnalysisComment	
MB 360-84105/1		3546, MA-EPH		30.00 g	2.0 mL	1 mL			
LCS 360-84105/2		3546, MA-EPH		30.00 g	2.0 mL	1 mL	500 uL		
LCSD 360-84105/3		3546, MA-EPH		30.00 g	2.0 mL	1 mL	500 uL		
360-37832-A-1	BC-SO-SB301-0608	3546, MA-EPH	T	30.22 g	2.0 mL	1 mL			
360-37832-A-2	BC-SO-SB302-0810	3546, MA-EPH	T	30.42 g	2.0 mL	1 mL		rocks	
360-37832-A-3	BC-SO-SB133-0002	3546, MA-EPH	T	30.07 g	2.0 mL	1 mL			
360-37832-A-4	BC-SO-SBDUP01	3546, MA-EPH	T	30.07 g	2.0 mL	1 mL			
360-37832-A-5	BC-SO-SB131-1012	3546, MA-EPH	T	30.05 g	2.0 mL	1 mL		rocks/clay	
360-37832-A-6	BC-SO-SB128-0002	3546, MA-EPH	T	30.36 g	2.0 mL	1 mL			
360-37832-A-7	BC-SO-SB303-0204	3546, MA-EPH	T	30.40 g	2.0 mL	1 mL			
360-37832-A-8	BC-SO-SB132-1012	3546, MA-EPH	T	30.05 g	2.0 mL	1 mL		rocks	
360-37832-A-9	BC-SO-SB129-0204	3546, MA-EPH	T	30.66 g	2.0 mL	1 mL			
360-37832-A-10	BC-SO-SB130-0810	3546, MA-EPH	T	30.17 g	2.0 mL	1 mL		rocks	

Batch Notes	
Person's name who did the concentration	TV
Person's name who did the prep	TV

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37832-1

SDG No.: 360-37832

Project: Beaton & Corbin Factory Site

Client Sample ID	Lab Sample ID
BC-SO-SB301-0608	360-37832-1
BC-SO-SB302-0810	360-37832-2
BC-SO-SB133-0002	360-37832-3
BC-SO-SBDUP01	360-37832-4
BC-SO-SB131-1012	360-37832-5
BC-SO-SB128-0002	360-37832-6
BC-SO-SB303-0204	360-37832-7
BC-SO-SB132-1012	360-37832-8
BC-SO-SB129-0204	360-37832-9
BC-SO-SB130-0810	360-37832-10

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB301-0608 Lab Sample ID: 360-37832-1

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG ID.: 360-37832

Matrix: Solid Date Sampled: 11/28/2011 15:03

Reporting Basis: DRY Date Received: 11/29/2011 11:50

% Solids: 78.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	1.6	0.28	mg/Kg			1	6010B
7440-39-3	Barium	75	0.79	0.39	mg/Kg			1	6010B
7440-43-9	Cadmium	ND	0.31	0.013	mg/Kg			1	6010B
7440-47-3	Chromium	16	0.79	0.39	mg/Kg			1	6010B
7439-92-1	Lead	17	0.79	0.089	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.79	0.30	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.79	0.090	mg/Kg			1	6010B
7439-97-6	Mercury	1.3	0.099	0.024	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB302-0810 Lab Sample ID: 360-37832-2

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG ID.: 360-37832

Matrix: Solid Date Sampled: 11/28/2011 15:40

Reporting Basis: DRY Date Received: 11/29/2011 11:50

% Solids: 89.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.4	1.1	0.21	mg/Kg			1	6010B
7440-39-3	Barium	59	0.57	0.28	mg/Kg			1	6010B
7440-43-9	Cadmium	ND	0.23	0.0091	mg/Kg			1	6010B
7440-47-3	Chromium	14	0.57	0.28	mg/Kg			1	6010B
7439-92-1	Lead	5.6	0.57	0.064	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.57	0.22	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.57	0.065	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.080	0.019	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB133-0002 Lab Sample ID: 360-37832-3

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG ID.: 360-37832

Matrix: Solid Date Sampled: 11/28/2011 13:37

Reporting Basis: DRY Date Received: 11/29/2011 11:50

% Solids: 89.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.0	1.2	0.21	mg/Kg			1	6010B
7440-39-3	Barium	54	0.59	0.29	mg/Kg			1	6010B
7440-43-9	Cadmium	ND	0.23	0.0094	mg/Kg			1	6010B
7440-47-3	Chromium	7.9	0.59	0.29	mg/Kg			1	6010B
7439-92-1	Lead	27	0.59	0.066	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.59	0.23	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.59	0.067	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.086	0.021	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SBDUP01 Lab Sample ID: 360-37832-4

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG ID.: 360-37832

Matrix: Solid Date Sampled: 11/28/2011 00:00

Reporting Basis: DRY Date Received: 11/29/2011 11:50

% Solids: 93.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.4	1.3	0.23	mg/Kg			1	6010B
7440-39-3	Barium	11	0.65	0.32	mg/Kg			1	6010B
7440-43-9	Cadmium	ND	0.26	0.010	mg/Kg			1	6010B
7440-47-3	Chromium	7.2	0.65	0.32	mg/Kg			1	6010B
7439-92-1	Lead	2.4	0.65	0.073	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.65	0.25	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.65	0.074	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.076	0.018	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB131-1012 Lab Sample ID: 360-37832-5

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG ID.: 360-37832

Matrix: Solid Date Sampled: 11/28/2011 14:05

Reporting Basis: DRY Date Received: 11/29/2011 11:50

% Solids: 91.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.7	1.3	0.23	mg/Kg			1	6010B
7440-39-3	Barium	84	0.64	0.32	mg/Kg			1	6010B
7440-43-9	Cadmium	ND	0.26	0.010	mg/Kg			1	6010B
7440-47-3	Chromium	22	0.64	0.32	mg/Kg			1	6010B
7439-92-1	Lead	6.5	0.64	0.072	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.64	0.25	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.64	0.074	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.088	0.021	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB128-0002 Lab Sample ID: 360-37832-6

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG ID.: 360-37832

Matrix: Solid Date Sampled: 11/28/2011 12:15

Reporting Basis: DRY Date Received: 11/29/2011 11:50

% Solids: 91.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.6	1.4	0.26	mg/Kg			1	6010B
7440-39-3	Barium	35	0.72	0.36	mg/Kg			1	6010B
7440-43-9	Cadmium	0.93	0.29	0.012	mg/Kg			1	6010B
7440-47-3	Chromium	12	0.72	0.36	mg/Kg			1	6010B
7439-92-1	Lead	3.7	0.72	0.081	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.72	0.28	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.72	0.082	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.078	0.019	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB303-0204 Lab Sample ID: 360-37832-7

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG ID.: 360-37832

Matrix: Solid Date Sampled: 11/28/2011 16:00

Reporting Basis: DRY Date Received: 11/29/2011 11:50

% Solids: 86.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	3.5	1.3	0.24	mg/Kg			1	6010B
7440-39-3	Barium	50	0.66	0.33	mg/Kg			1	6010B
7440-43-9	Cadmium	ND	0.27	0.011	mg/Kg			1	6010B
7440-47-3	Chromium	9.8	0.66	0.33	mg/Kg			1	6010B
7439-92-1	Lead	56	0.66	0.075	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.66	0.25	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.66	0.076	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.089	0.021	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB132-1012 Lab Sample ID: 360-37832-8

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG ID.: 360-37832

Matrix: Solid Date Sampled: 11/28/2011 12:00

Reporting Basis: DRY Date Received: 11/29/2011 11:50

% Solids: 86.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.8	1.3	0.23	mg/Kg			1	6010B
7440-39-3	Barium	82	0.64	0.32	mg/Kg			1	6010B
7440-43-9	Cadmium	ND	0.25	0.010	mg/Kg			1	6010B
7440-47-3	Chromium	17	0.64	0.32	mg/Kg			1	6010B
7439-92-1	Lead	5.9	0.64	0.072	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.64	0.24	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.64	0.073	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.11	0.025	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB129-0204 Lab Sample ID: 360-37832-9

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG ID.: 360-37832

Matrix: Solid Date Sampled: 11/28/2011 10:50

Reporting Basis: DRY Date Received: 11/29/2011 11:50

% Solids: 94.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.2	1.2	0.21	mg/Kg			1	6010B
7440-39-3	Barium	10	0.58	0.29	mg/Kg			1	6010B
7440-43-9	Cadmium	ND	0.23	0.0093	mg/Kg			1	6010B
7440-47-3	Chromium	6.0	0.58	0.29	mg/Kg			1	6010B
7439-92-1	Lead	1.9	0.58	0.065	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.58	0.22	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.58	0.066	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.092	0.022	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB130-0810 Lab Sample ID: 360-37832-10

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG ID.: 360-37832

Matrix: Solid Date Sampled: 11/28/2011 10:40

Reporting Basis: DRY Date Received: 11/29/2011 11:50

% Solids: 87.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.8	1.5	0.26	mg/Kg			1	6010B
7440-39-3	Barium	55	0.73	0.36	mg/Kg			1	6010B
7440-43-9	Cadmium	ND	0.29	0.012	mg/Kg			1	6010B
7440-47-3	Chromium	25	0.73	0.36	mg/Kg			1	6010B
7439-92-1	Lead	6.9	0.73	0.082	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.73	0.28	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.73	0.083	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.11	0.026	mg/Kg			1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

ICV Source: VARICV wk_00017 Concentration Units: ug/L

CCV Source: MEVARCCV_00040

Analyte	ICV 360-84202/48 12/01/2011 10:34				CCV 360-84202/55 12/01/2011 10:54				CCV 360-84202/1 12/01/2011 12:59			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1010		1000	101	1000		1000	100	1020		1000	102
Barium	1020		1000	102	996		1000	100	1020		1000	102
Cadmium	1010		1000	101	1000		1000	100	1030		1000	103
Chromium	1010		1000	101	997		1000	100	1020		1000	102
Lead	1020		1000	102	999		1000	100	1020		1000	102
Selenium	1020		1000	102	1000		1000	100	1020		1000	102
Silver	1010		1000	101	994		1000	99	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.: 360-37832-1

SDG No.: 360-37832

ICV Source: VARICV wk_00017 Concentration Units: ug/L

CCV Source: MEVARCCV_00040

Analyte	CCV 360-84202/13 12/01/2011 13:39				CCV 360-84202/25 12/01/2011 14:16				CCV 360-84202/33 12/01/2011 14:57			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1010		1000	101	1020		1000	102	1010		1000	101
Barium	989		1000	99	997		1000	100	996		1000	100
Cadmium	1010		1000	101	1020		1000	102	1010		1000	101
Chromium	998		1000	100	1000		1000	100	1000		1000	100
Lead	1000		1000	100	1010		1000	101	1010		1000	101
Selenium	1000		1000	100	1020		1000	102	1010		1000	101
Silver	991		1000	99	999		1000	100	998		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.: 360-37832-1

SDG No.: 360-37832

ICV Source: VARICV wk_00017 Concentration Units: ug/L

CCV Source: MEVARCCV_00040

Analyte	CCV 360-84202/35 12/01/2011 19:28											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1060		1000	106								
Barium	1040		1000	104								
Cadmium	1050		1000	105								
Chromium	1030		1000	103								
Lead	1060		1000	106								
Selenium	1070		1000	107								
Silver	1050		1000	105								

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.: 360-37832-1

SDG No.: 360-37832

ICV Source: METHG1mg/L_00789 Concentration Units: ug/L

CCV Source: METHG1mg/L_00789

Analyte	ICV 360-84525/19 12/08/2011 15:06				CCV 360-84525/32 12/08/2011 15:32				CCV 360-84525/44 12/08/2011 15:53			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.06		5.00	101	4.92		5.00	98	5.06		5.00	101

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

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

ICV Source: METHG1mg/L_00789 Concentration Units: ug/L

CCV Source: METHG1mg/L_00789

Analyte	CCV 360-84525/51 12/08/2011 16:07											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.96		5.00	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.: 360-37832-1

SDG No.: 360-37832

ICV Source: METHG1mg/L_00789 Concentration Units: ug/L

CCV Source: METHG1mg/L_00789

Analyte	ICV 360-84566/13 12/09/2011 11:40				CCV 360-84566/26 12/09/2011 12:09							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.04		5.00	101	5.01		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.: 360-37832-1

SDG No.: 360-37832

Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-84202/50 Concentration Units: ug/L

CRQL Check Standard Source: CRIRL wk_00013

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	10.0	10.7		107	70-130
Barium	10.0	11.4		114	70-130
Cadmium	1.00	1.07		107	70-130
Chromium	5.00	5.22		104	70-130
Lead	5.00	ND		95	70-130
Silver	5.00	ND		79	70-130

Lab Sample ID: CRI 360-84202/51 Concentration Units: ug/L

CRQL Check Standard Source: CRIMCP wk_00014

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	50.0	50.0		100	70-130
Barium	2000	2300		115	70-130
Cadmium	5.00	5.36		107	70-130
Chromium	100	108		108	70-130
Lead	15.0	17.0		114	70-130
Selenium	50.0	52.1		104	70-130

Lab Sample ID: CRI 360-84202/60 Concentration Units: ug/L

CRQL Check Standard Source: CRIRL wk_00013

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Selenium	10.0	ND		90	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.: 360-37832-1

SDG No.: 360-37832

Concentration Units: ug/L

Analyte	RL	ICB 360-84202/49 12/01/2011 10:37		CCB 360-84202/56 12/01/2011 10:57		CCB 360-84202/2 12/01/2011 13:02		CCB 360-84202/14 12/01/2011 13:42	
		Found	C	Found	C	Found	C	Found	C
Arsenic	10	ND		ND		ND		ND	
Barium	10	ND		ND		ND		ND	
Cadmium	1.0	ND		ND		ND		ND	
Chromium	5.0	ND		ND		ND		ND	
Lead	5.0	ND		ND		ND		ND	
Selenium	10	ND		ND		ND		ND	
Silver	5.0	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Concentration Units: ug/L

Analyte	RL	CCB 360-84202/26 12/01/2011 14:19		CCB 360-84202/34 12/01/2011 15:00		CCB 360-84202/36 12/01/2011 19:31			
		Found	C	Found	C	Found	C	Found	C
Arsenic	10	ND		ND		ND			
Barium	10	ND		ND		ND			
Cadmium	1.0	ND		ND		ND			
Chromium	5.0	ND		ND		ND			
Lead	5.0	ND		ND		ND			
Selenium	10	ND		ND		ND			
Silver	5.0	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Concentration Units: ug/L

Analyte	RL	ICB 360-84525/21 12/08/2011 15:10		CCB 360-84525/33 12/08/2011 15:33		CCB 360-84525/45 12/08/2011 15:56		CCB 360-84525/52 12/08/2011 16:10	
		Found	C	Found	C	Found	C	Found	C
Mercury	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.: 360-37832-1

SDG No.: 360-37832

Concentration Units: ug/L

Analyte	RL	ICB 360-84566/15 12/09/2011 11:44		CCB 360-84566/27 12/09/2011 12:10					
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Concentration Units: mg/Kg Lab Sample ID: MB 360-84078/1-A

Instrument Code: Varian ICP Batch No.: 84202

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010RCP
7440-39-3	Barium	ND			6010RCP
7440-43-9	Cadmium	ND			6010RCP
7440-47-3	Chromium	ND			6010RCP
7439-92-1	Lead	ND			6010RCP
7782-49-2	Selenium	ND			6010RCP
7440-22-4	Silver	ND			6010RCP

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Concentration Units: mg/Kg Lab Sample ID: MB 360-84495/1-A

Instrument Code: Hg Analyzer Batch No.: 84525

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7471RCP

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Concentration Units: mg/Kg Lab Sample ID: MB 360-84497/1-A

Instrument Code: Hg Analyzer Batch No.: 84566

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7471RCP

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: ICSA 360-84202/52 Instrument ID: Varian ICP

Lab File ID: 120111c.csv ICS Source: ICSA wk_00033

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**1.05**	
Barium		**1.18**	
Cadmium		**-0.792**	
Chromium		**0.498**	
Lead		**-1.06**	
Selenium		**-1.64**	
Silver		**0.611**	
Aluminum	*100000*	*114519*	*115*
Antimony		*-0.771*	
B		*3.04*	
Beryllium		*0.0064*	
Calcium	*100000*	*99826*	*100*
Cobalt		*-0.830*	
Copper		*0.781*	
Iron	*100000*	*111593*	*112*
Li		*1.55*	
Magnesium	*100000*	*106387*	*106*
Manganese		*-2.62*	
Mo		*0.234*	
Nickel		*-4.84*	
Potassium		*1163*	
Si		*-1.98*	
Si		*1.64*	
Sn		*-2.71*	
Sodium		*75.6*	
Sr		*-2.01*	
Thallium		*0.981*	
Ti		*0.0586*	
Vanadium		*-2.49*	
Zinc		*0.931*	
Zr		*0.950*	

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.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: ICSAB 360-84202/53 Instrument ID: Varian ICP

Lab File ID: 120111c.csv ICS Source: ICSAB_00044

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Arsenic	**2000**	**1775**	**89**
Barium	**600**	**527**	**88**
Cadmium	**600**	**516**	**86**
Chromium	**600**	**523**	**87**
Lead	**2000**	**1706**	**85**
Selenium	**1000**	**895**	**89**
Silver	**600**	**545**	**91**
Aluminum	*100000*	*118116*	*118*
Antimony	*1000*	*974*	*97*
B		*1.35*	
Beryllium	*200*	*179*	*90*
Calcium	*100000*	*103083*	*103*
Cobalt	*600*	*516*	*86*
Copper	*600*	*550*	*92*
Iron	*100000*	*115148*	*115*
Li		*1.54*	
Magnesium	*100000*	*109105*	*109*
Manganese	*400*	*343*	*86*
Mo		*-0.156*	
Nickel	*600*	*507*	*85*
Potassium	*40000*	*38450*	*96*
Si		*-28.7*	
Si		*-23.4*	
Sn		*2.84*	
Sodium		*6.38*	
Sr		*-2.13*	
Thallium	*2000*	*1685*	*84*
Ti		*-0.0008*	
Vanadium	*600*	*525*	*87*
Zinc	*600*	*515*	*86*
Zr		*3.48*	

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.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: ICSA 360-84202/37 Instrument ID: Varian ICP

Lab File ID: 120111c.csv ICS Source: ICSA wk_00033

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**0.691**	
Barium		**1.09**	
Cadmium		**-0.917**	
Chromium		**0.501**	
Lead		**-2.83**	
Selenium		**-1.29**	
Silver		**0.791**	
Aluminum	*100000*	*121668*	*122*
Antimony		*0.923*	
B		*9.35*	
Beryllium		*0.0193*	
Calcium	*100000*	*105715*	*106*
Cobalt		*-0.560*	
Copper		*0.812*	
Iron	*100000*	*117240*	*117*
Li		*1.53*	
Magnesium	*100000*	*113036*	*113*
Manganese		*-2.70*	
Mo		*1.75*	
Nickel		*-5.45*	
Potassium		*1224*	
Si		*-0.0702*	
Si		*7.55*	
Sn		*-1.22*	
Sodium		*84.1*	
Sr		*-2.10*	
Thallium		*0.249*	
Ti		*0.180*	
Vanadium		*-2.92*	
Zinc		*1.69*	
Zr		*1.63*	

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.: 360-37832-1

SDG No.: 360-37832

Lab Sample ID: ICSAB 360-84202/38 Instrument ID: Varian ICP

Lab File ID: 120111c.csv ICS Source: ICSAB_00044

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Arsenic	**2000**	**1874**	**94**
Barium	**600**	**550**	**92**
Cadmium	**600**	**541**	**90**
Chromium	**600**	**544**	**91**
Lead	**2000**	**1807**	**90**
Selenium	**1000**	**950**	**95**
Silver	**600**	**572**	**95**
Aluminum	*100000*	*124712*	*125*
Antimony	*1000*	*1017*	*102*
B		*5.13*	
Beryllium	*200*	*187*	*93*
Calcium	*100000*	*108599*	*109*
Cobalt	*600*	*540*	*90*
Copper	*600*	*574*	*96*
Iron	*100000*	*120439*	*120*
Li		*1.42*	
Magnesium	*100000*	*115410*	*115*
Manganese	*400*	*359*	*90*
Mo		*-0.0184*	
Nickel	*600*	*526*	*88*
Potassium	*40000*	*40873*	*102*
Si		*-24.4*	
Si		*-20.6*	
Sn		*2.62*	
Sodium		*-284*	
Sr		*-2.21*	
Thallium	*2000*	*1738*	*87*
Ti		*0.0696*	
Vanadium	*600*	*550*	*92*
Zinc	*600*	*538*	*90*
Zr		*7.82*	

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: BC-SO-SB301-0608 MS
Lab ID: 360-37832-1 MS
Lab Name: TestAmerica Westfield
Job No.: 360-37832-1
SDG No.: 360-37832
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 78.0

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	72.5		ND		78.7	91	75-125		6010B
Barium	132		75		78.7	73	75-125	F	6010B
Cadmium	70.7		ND		78.7	90	75-125		6010B
Chromium	82.4		16		78.7	84	75-125		6010B
Lead	98.6		17		78.7	103	75-125		6010B
Selenium	68.8		ND		78.7	87	75-125		6010B
Silver	69.5		ND		78.7	88	75-125		6010B

SSR = Spiked Sample Result

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

FORM VA - IN

6-IN
DUPLICATES
METALS

Client ID: BC-SO-SB301-0608 DU | Lab ID: 360-37832-1 DU

Lab Name: TestAmerica Westfield | Job No.: 360-37832-1

SDG No.: 360-37832

% Solids for Sample: 78.0 | % Solids for Duplicate: 78.0

Matrix: Solid | Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	1.6	ND		ND		NC		6010B
Barium	0.79	75		57.9		25		6010B
Cadmium	0.32	ND		ND		NC		6010B
Chromium	0.79	16		13.6		17		6010B
Lead	0.79	17		7.04		84	F	6010B
Selenium	0.79	ND		ND		NC		6010B
Silver	0.79	ND		ND		NC		6010B

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

FORM VI-IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 360-84078/2-A

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

Sample Matrix: Solid LCS Source: MetQCSoil_00002

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	90.0	83.0		92	61	117		6010B
Barium	730	622		85	71.1	119		6010B
Cadmium	106	90.4		85	65.6	113		6010B
Chromium	272	256		94	68.0	124		6010B
Lead	267	223		83	64.8	110		6010B
Selenium	154	123		80	53.1	110		6010B
Silver	67.5	57.4		85	56.9	113		6010B

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

FORM VIIA - IN

7D-IN
LCSD - CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCDSRM 360-84078/3-A

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

Sample Matrix: Solid LCS Source: MetQCSoil_00002

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	85.0		90.0	94	61-117	2	30		6010B
Barium	617		730	85	71.1-11	1	30		6010B
Cadmium	95.4		106	90	65.6-11	5	30		6010B
Chromium	254		272	93	68.0-12	1	30		6010B
Lead	221		267	83	64.8-11	1	30		6010B
Selenium	128		154	83	53.1-11	4	30		6010B
Silver	57.4		67.5	85	56.9-11	0	30		6010B

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 360-84495/2-A

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

Sample Matrix: Solid LCS Source: MetQCSoil_00002

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	10.3	8.83		86	46.5	135		7471A

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

FORM VIIA - IN

7D-IN
LCSD - CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCDSRM 360-84495/3-A

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

Sample Matrix: Solid LCS Source: MetQCSoil_00002

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	8.55		10.3	83	46.5-13	3	30		7471A

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 360-84497/2-A

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

Sample Matrix: Solid LCS Source: MetQCSoil_00002

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	10.3	9.33		91	46.5	135		7471A

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

FORM VIIA - IN

7D-IN
LCSD - CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCDSRM 360-84497/3-A

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

Sample Matrix: Solid LCS Source: MetQCSoil_00002

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	8.63		10.3	84	46.5-13	8	30		7471A

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

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37832-1

SDG Number: 360-37832

Matrix: Solid Instrument ID: Varian ICP

Method: 6010B MDL Date: 10/01/2010 00:00

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (ug/Kg)
Arsenic	188.980	1	181
Barium	493.408	0.5	250
Cadmium	214.439	0.2	8.04
Chromium	267.716	0.5	250
Lead	220.353	0.5	56.3
Selenium	196.026	0.5	192
Silver	338.289	0.5	57.4

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37832-1

SDG Number: 360-37832

Matrix: Solid Instrument ID: Varian ICP

Method: 6010B XMDL Date: 10/22/2010 12:39

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	188.980	10	2.84
Barium	493.408	10	1.36
Cadmium	214.439	1	0.13
Chromium	267.716	5	0.65
Lead	220.353	5	1.36
Selenium	196.026	10	4
Silver	338.289	5	1.36

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37832-1

SDG Number: 360-37832

Matrix: Solid Instrument ID: Hg Analyzer

Method: 7471A MDL Date: 02/15/2011 13:07

Prep Method: 7471A

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury	253.7	0.1	0.024

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37832-1

SDG Number: 360-37832

Matrix: Solid Instrument ID: Hg Analyzer

Method: 7471A XMDL Date: 04/08/2011 13:55

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.154

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Westfield Job No: 360-37832-1

SDG No.: 360-37832

Instrument ID: Varian ICP Date: 08/19/2011 16:31

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		50000	6010B
Barium		12500	6010B
Cadmium		20000	6010B
Chromium		50000	6010B
Lead		100000	6010B
Selenium		50000	6010B
Silver		25000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-84078/1-A	11/30/2011 10:47	84078	2.00		100
LCSSRM 360-84078/2-A	11/30/2011 10:47	84078	1.00		100
LCDSRM 360-84078/3-A	11/30/2011 10:47	84078	1.00		100
360-37832-1	11/30/2011 10:47	84078	1.63		100
360-37832-1 DU	11/30/2011 10:47	84078	1.62		100
360-37832-1 MS	11/30/2011 10:47	84078	1.63		100
360-37832-2	11/30/2011 10:47	84078	1.96		100
360-37832-3	11/30/2011 10:47	84078	1.90		100
360-37832-4	11/30/2011 10:47	84078	1.65		100
360-37832-5	11/30/2011 10:47	84078	1.71		100
360-37832-6	11/30/2011 10:47	84078	1.52		100
360-37832-7	11/30/2011 10:47	84078	1.74		100
360-37832-8	11/30/2011 10:47	84078	1.82		100
360-37832-9	11/30/2011 10:47	84078	1.84		100
360-37832-10	11/30/2011 10:47	84078	1.57		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-84495/1-A	12/08/2011 10:09	84495	0.20		50
LCSSRM 360-84495/2-A	12/08/2011 10:09	84495	0.10		50
LCDSRM 360-84495/3-A	12/08/2011 10:09	84495	0.10		50
360-37832-1	12/08/2011 10:09	84495	0.26		50
360-37832-2	12/08/2011 10:09	84495	0.28		50
360-37832-3	12/08/2011 10:09	84495	0.26		50
360-37832-4	12/08/2011 10:09	84495	0.28		50
360-37832-5	12/08/2011 10:09	84495	0.25		50
360-37832-6	12/08/2011 10:09	84495	0.28		50
360-37832-7	12/08/2011 10:09	84495	0.26		50
360-37832-8	12/08/2011 10:09	84495	0.22		50
360-37832-9	12/08/2011 10:09	84495	0.23		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-84497/1-A	12/08/2011 10:14	84497	0.20		50
LCSSRM 360-84497/2-A	12/08/2011 10:14	84497	0.10		50
LCDSRM 360-84497/3-A	12/08/2011 10:14	84497	0.10		50
360-37832-10	12/08/2011 10:14	84497	0.21		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Instrument ID: Varian ICP Method: 6010B

Start Date: 12/01/2011 10:07 End Date: 12/01/2011 19:37

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			10:07																				
ZZZZZZ			10:10																				
ZZZZZZ			10:13																				
ZZZZZZ			10:16																				
ZZZZZZ			10:19																				
ZZZZZZ			10:22																				
ZZZZZZ			10:25																				
ZZZZZZ			10:28																				
ZZZZZZ			10:31																				
ICV 360-84202/48	1		10:34	X	X	X	X	X	X	X													
ICB 360-84202/49	1		10:37	X	X	X	X	X	X	X													
CRI 360-84202/50	1		10:39	X	X	X	X	X	X														
CRI 360-84202/51	1		10:42		X	X	X	X	X	X													
ICSA 360-84202/52	1		10:45	X	X	X	X	X	X	X													
ICSAB 360-84202/53	1		10:48	X	X	X	X	X	X	X													
ZZZZZZ			10:51																				
CCV 360-84202/55	1		10:54	X	X	X	X	X	X	X													
CCB 360-84202/56	1		10:57	X	X	X	X	X	X	X													
ICV 360-84202/57			11:00																				
ICV 360-84202/58			11:03																				
ICB 360-84202/59			11:14																				
CRI 360-84202/60	1		11:17							X													
CRI 360-84202/61			11:25																				
CCV 360-84202/1	1		12:59	X	X	X	X	X	X	X													
CCB 360-84202/2	1		13:02	X	X	X	X	X	X	X													
MB 360-84078/1-A	1	T	13:10	X	X	X	X	X	X	X													
LCSSRM 360-84078/2-A	1	T	13:13	X	X	X	X	X	X	X													
LCDSRM 360-84078/3-A	1	T	13:16	X	X	X	X	X	X	X													
360-37832-1	1	T	13:19	X	X	X	X	X	X	X													
360-37832-1 DU	1	T	13:22	X	X	X	X	X	X	X													
360-37832-1 MS	1	T	13:25	X	X	X	X	X	X	X													
ZZZZZZ			13:28																				
ZZZZZZ			13:31																				
360-37832-2	1	T	13:33	X	X	X	X	X	X	X													
360-37832-3	1	T	13:36	X	X	X	X	X	X	X													
CCV 360-84202/13	1		13:39	X	X	X	X	X	X	X													
CCB 360-84202/14	1		13:42	X	X	X	X	X	X	X													
360-37832-4	1	T	13:45	X	X	X	X	X	X	X													
360-37832-5	1	T	13:48	X	X	X	X	X	X	X													
360-37832-6	1	T	13:51	X	X	X	X	X	X	X													
360-37832-7	1	T	13:54	X	X	X	X	X	X	X													
360-37832-8	1	T	13:57	X	X	X	X	X	X	X													

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Instrument ID: Varian ICP Method: 6010B

Start Date: 12/01/2011 10:07 End Date: 12/01/2011 19:37

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
360-37832-9	1	T	14:00	X	X	X	X	X	X	X													
360-37832-10	1	T	14:03	X	X	X	X	X	X	X													
ZZZZZZ			14:07																				
ZZZZZZ			14:10																				
ZZZZZZ			14:13																				
CCV 360-84202/25	1		14:16	X	X	X	X	X	X	X													
CCB 360-84202/26	1		14:19	X	X	X	X	X	X	X													
ZZZZZZ			14:22																				
ZZZZZZ			14:24																				
ZZZZZZ			14:27																				
ZZZZZZ			14:30																				
ZZZZZZ			14:33																				
ZZZZZZ			14:36																				
CCV 360-84202/33	1		14:57	X	X	X	X	X	X	X													
CCB 360-84202/34	1		15:00	X	X	X	X	X	X	X													
CCV 360-84202/35	1		19:28	X	X	X	X	X	X	X													
CCB 360-84202/36	1		19:31	X	X	X	X	X	X	X													
ICSA 360-84202/37	1		19:34	X	X	X	X	X	X	X													
ICSAB 360-84202/38	1		19:37	X	X	X	X	X	X	X													

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Instrument ID: Hg Analyzer Method: 7471A

Start Date: 12/08/2011 14:22 End Date: 12/08/2011 16:10

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ICV 360-84525/19	1		15:06	X																			
ICB 360-84525/21	1		15:10	X																			
MB 360-84495/1-A	1	T	15:12	X																			
LCSSRM 360-84495/2-A	5	T	15:14	X																			
LCDSRM 360-84495/3-A	5	T	15:16	X																			
CCV 360-84525/32	1		15:32	X																			
CCB 360-84525/33	1		15:33	X																			
360-37832-1	1	T	15:46	X																			
360-37832-2	1	T	15:48	X																			
360-37832-3	1	T	15:50	X																			
360-37832-4	1	T	15:52	X																			
CCV 360-84525/44	1		15:53	X																			
CCB 360-84525/45	1		15:56	X																			
360-37832-5	1	T	15:57	X																			
360-37832-6	1	T	15:59	X																			
360-37832-7	1	T	16:01	X																			
360-37832-8	1	T	16:03	X																			
360-37832-9	1	T	16:05	X																			
CCV 360-84525/51	1		16:07	X																			
CCB 360-84525/52	1		16:10	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Instrument ID: Hg Analyzer Method: 7471A

Start Date: 12/09/2011 11:10 End Date: 12/09/2011 12:45

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ICV 360-84566/13	1		11:40	X																			
ICB 360-84566/15	1		11:44	X																			
MB 360-84497/1-A	1	T	11:51	X																			
LCSSRM 360-84497/2-A	5	T	11:53	X																			
LCDSRM 360-84497/3-A	5	T	11:54	X																			
360-37832-10	1	T	12:02	X																			
CCV 360-84566/26	1		12:09	X																			
CCB 360-84566/27	1		12:10	X																			

Prep Types

T = Total/NA

Method Parameters

Analysis Lines

Label	El	Wavelen.	Type	I/S	Bkg Mode	PPP	OBCL	OBCR
Ag 338.289	Ag	338.289	Analyte	-	Fitted	2		
Al 237.312	Al	237.312	Analyte	-	Fitted	2		
As 188.980	As	188.980	Analyte	-	Fitted	2		
B 249.678	B	249.678	Analyte	-	Fitted	2		
Ba 493.408	Ba	493.408	Analyte	-	Fitted	2		
Be 313.042	Be	313.042	Analyte	-	Fitted	2		
Ca 373.690	Ca	373.690	Analyte	-	Fitted	2		
Cd 214.439	Cd	214.439	Analyte	-	Fitted	2		
Co 228.615	Co	228.615	Analyte	-	Fitted	2		
Cr 267.716	Cr	267.716	Analyte	-	Fitted	2		
Cu 327.395	Cu	327.395	Analyte	-	Fitted	2		
Fe 273.955	Fe	273.955	Analyte	-	Fitted	2		
K 404.721	K	404.721	Analyte	-	Fitted	2		
Li 610.365	Li	610.365	Analyte	-	Fitted	2		
Mg 279.078	Mg	279.078	Analyte	-	Fitted	2		
Mn 257.610	Mn	257.610	Analyte	-	Fitted	2		
Mo 202.032	Mo	202.032	Analyte	-	Fitted	2		
Na 330.237	Na	330.237	Analyte	-	Fitted	2		
Ni 216.555	Ni	216.555	Analyte	-	Fitted	2		
Pb 220.353	Pb	220.353	Analyte	-	Fitted	2		
Sb 217.582	Sb	217.582	Analyte	-	Fitted	2		
Se 196.026	Se	196.026	Analyte	-	Fitted	2		
Si 251.611	Si	251.611	Analyte	-	Fitted	2		
Si 288.158	Si	288.158	Analyte	-	Fitted	2		
Sn 189.925	Sn	189.925	Analyte	-	Fitted	2		
Sr 421.552	Sr	421.552	Analyte	-	Fitted	2		
Ti 336.122	Ti	336.122	Analyte	-	Fitted	2		
Tl 190.794	Tl	190.794	Analyte	-	Fitted	2		
V 292.401	V	292.401	Analyte	-	Fitted	2		
Zn 202.548	Zn	202.548	Analyte	-	Fitted	2		
Zr 339.198	Zr	339.198	Analyte	-	Fitted	2		

Conditions Sets (All lines share a single condition set)

Pwr(kW)	PlasFlow(L/min)	AuxFlow(L/min)	NebFlow(L/min)	Replicate Time(s)	Stab Time(s)
1.20	15.0	1.50	0.75	30.000	20

Sample Introduction

Sample Uptake(s)	Rinse Time(s)	Pump Rate(rpm)	Fast Pump
30	45	13	On

General Settings

Replicates
2

Calibration Settings

Calib. Mode	No. Standards	Corr Coeff Limit	Reslopes
Quantitative	6	0.998000	Off

Standard Concentration

El	Units	Standard 1	Standard 2	Standard 3	Standard 4
Ag	ug/L	1000.00000			
Al	ug/L	5000.00000	10000.00000	12500.00000	15000.00000
As	ug/L	1000.00000			
B	ug/L	1000.00000			
Ba	ug/L	1000.00000			
Be	ug/L	1000.00000			
Ca	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Cd	ug/L	1000.00000			
Co	ug/L	1000.00000			
Cr	ug/L	1000.00000			
Cu	ug/L	1000.00000			
Fe	ug/L	5000.00000	10000.00000	12500.00000	15000.00000
K	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Li	ug/L	5000.00000			
Mg	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Mn	ug/L	1000.00000			
Mo	ug/L	1000.00000			
Na	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Ni	ug/L	1000.00000			
Pb	ug/L	1000.00000			
Sb	ug/L	1000.00000			
Se	ug/L	1000.00000			
Si	ug/L	1000.00000			
Sn	ug/L	1000.00000			
Sr	ug/L	1000.00000			
Ti	ug/L	1000.00000			
Tl	ug/L	1000.00000			
V	ug/L	1000.00000			
Zn	ug/L	1000.00000			
Zr	ug/L	1000.00000			

El	Units	Standard 5	Standard 6
Ag	ug/L		
Al	ug/L	20000.00000	25000.00000
As	ug/L		
B	ug/L		
Ba	ug/L		
Be	ug/L		
Ca	ug/L	80000.00000	100000.00000
Cd	ug/L		
Co	ug/L		
Cr	ug/L		
Cu	ug/L		
Fe	ug/L	20000.00000	25000.00000
K	ug/L	80000.00000	100000.00000
Li	ug/L		
Mg	ug/L	80000.00000	100000.00000
Mn	ug/L		
Mo	ug/L		
Na	ug/L	80000.00000	100000.00000
Ni	ug/L		
Pb	ug/L		
Sb	ug/L		
Se	ug/L		
Si	ug/L		

El	Units	Standard 5	Standard 6
Sn	ug/L		
Sr	ug/L		
Ti	ug/L		
Tl	ug/L		
V	ug/L		
Zn	ug/L		
Zr	ug/L		

Calibration Parameters

Label	Thru. Blk	W/Fit	Curve Type	Max Error	Min Conc	Max Conc	E/Curve %	U/Curve %
Ag 338.289	Off	On	Linear	20.0	0.00000	25000.00000	25	400
Al 237.312	Off	On	Quadratic	20.0	0.00000	600000.00000	25	400
As 188.980	Off	On	Linear	20.0	0.00000	50000.00000	25	400
B 249.678	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Ba 493.408	Off	On	Linear	20.0	0.00000	12500.00000	25	400
Be 313.042	Off	On	Linear	20.0	0.00000	10000.00000	25	400
Ca 373.690	Off	On	Quadratic	20.0	0.00000	500000.00000	25	400
Cd 214.439	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Co 228.615	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Cr 267.716	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Cu 327.395	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Fe 273.955	Off	On	Quadratic	20.0	0.00000	750000.00000	25	400
K 404.721	Off	Off	Quadratic	20.0	0.00000	400000.00000	25	400
Li 610.365	Off	On	Linear	20.0	0.00000	100000.00000	25	400
Mg 279.078	Off	On	Quadratic	20.0	0.00000	300000.00000	25	400
Mn 257.610	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Mo 202.032	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Na 330.237	Off	On	Linear	20.0	0.00000	400000.00000	25	400
Ni 216.555	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Pb 220.353	Off	On	Linear	20.0	0.00000	100000.00000	25	400
Sb 217.582	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Se 196.026	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Si 251.611	Off	Off	Linear	20.0	0.00000	25000.00000	25	400
Si 288.158	Off	On	Linear	20.0	0.00000	25000.00000	25	400
Sn 189.925	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Sr 421.552	Off	On	Linear	20.0	0.00000	10000.00000	25	400
Ti 336.122	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Tl 190.794	Off	On	Linear	20.0	0.00000	75000.00000	25	400
V 292.401	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Zn 202.548	Off	On	Linear	20.0	0.00000	25000.00000	25	400
Zr 339.198	Off	On	Linear	20.0	0.00000	20000.00000	25	400

Detection Limits

El	Units	MDL	CRDL
Ag	ug/L	0.00000	5.00000
Al	ug/L	0.00000	100.00000
As	ug/L	0.00000	10.00000
B	ug/L	0.00000	50.00000
Ba	ug/L	0.00000	10.00000
Be	ug/L	0.00000	1.00000
Ca	ug/L	0.00000	400.00000
Cd	ug/L	0.00000	1.00000
Co	ug/L	0.00000	10.00000
Cr	ug/L	0.00000	5.00000

El	Units	MDL	CRDL
Cu	ug/L	0.00000	10.00000
Fe	ug/L	0.00000	100.00000
K	ug/L	0.00000	4000.00000
Li	ug/L	0.00000	100.00000
Mg	ug/L	0.00000	400.00000
Mn	ug/L	0.00000	10.00000
Mo	ug/L	0.00000	40.00000
Na	ug/L	0.00000	2000.00000
Ni	ug/L	0.00000	10.00000
Pb	ug/L	0.00000	5.00000
Sb	ug/L	0.00000	6.00000
Se	ug/L	0.00000	10.00000
Si	ug/L	0.00000	75.00000
Sn	ug/L	0.00000	50.00000
Sr	ug/L	0.00000	20.00000
Ti	ug/L	0.00000	10.00000
Tl	ug/L	0.00000	10.00000
V	ug/L	0.00000	10.00000
Zn	ug/L	0.00000	50.00000
Zr	ug/L	0.00000	10.00000

QCP Tests

QC Test Name	Failure Flag	Count As Sample	Subtract PBlk	No. Solutions
Cont Calib Verif	Q	Off	Off	1
Initial Calib Verif	Q	Off	Off	2
CRI	R	Off	Off	2
Lab Control Sample	L	On	Off	2
Interf Check A	K	Off	Off	1
Interf Check AB	G	Off	Off	1
Cont Calib Blank	Z	Off	Off	1
Initial Calib Blank	Z	Off	Off	1
Duplicate	*	On	Off	1
Matrix Spike	N	On	Off	1
Matrix Spike Dup	M	On	Off	1
Prep Blank	Z	Off	Off	1

Cont Calib Verif

Report Equation: (MeasuredConc / CCVDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(CCV)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	90.0	110.0
Al	ug/L	5000.00000	90.0	110.0
As	ug/L	1000.00000	90.0	110.0
B	ug/L	1000.00000	90.0	110.0
Ba	ug/L	1000.00000	90.0	110.0
Be	ug/L	1000.00000	90.0	110.0
Ca	ug/L	20000.00000	90.0	110.0
Cd	ug/L	1000.00000	90.0	110.0
Co	ug/L	1000.00000	90.0	110.0
Cr	ug/L	1000.00000	90.0	110.0
Cu	ug/L	1000.00000	90.0	110.0
Fe	ug/L	5000.00000	90.0	110.0
K	ug/L	20000.00000	90.0	110.0

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Li	ug/L	5000.00000	90.0	110.0
Mg	ug/L	20000.00000	90.0	110.0
Mn	ug/L	1000.00000	90.0	110.0
Mo	ug/L	1000.00000	90.0	110.0
Na	ug/L	20000.00000	90.0	110.0
Ni	ug/L	1000.00000	90.0	110.0
Pb	ug/L	1000.00000	90.0	110.0
Sb	ug/L	1000.00000	90.0	110.0
Se	ug/L	1000.00000	90.0	110.0
Si	ug/L	1000.00000	90.0	110.0
Sn	ug/L	1000.00000	90.0	110.0
Sr	ug/L	1000.00000	90.0	110.0
Ti	ug/L	1000.00000	90.0	110.0
Tl	ug/L	1000.00000	90.0	110.0
V	ug/L	1000.00000	90.0	110.0
Zn	ug/L	1000.00000	90.0	110.0
Zr	ug/L	1000.00000	90.0	110.0

Initial Calib Verif

Report Equation: (MeasuredConc / ICVDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(ICV)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	90.0	110.0
Al	ug/L	1000.00000	90.0	110.0
As	ug/L	1000.00000	90.0	110.0
B	ug/L	1000.00000	90.0	110.0
Ba	ug/L	1000.00000	90.0	110.0
Be	ug/L	1000.00000	90.0	110.0
Ca	ug/L	10000.00000	90.0	110.0
Cd	ug/L	1000.00000	90.0	110.0
Co	ug/L	1000.00000	90.0	110.0
Cr	ug/L	1000.00000	90.0	110.0
Cu	ug/L	1000.00000	90.0	110.0
Fe	ug/L	1000.00000	90.0	110.0
K	ug/L	10000.00000	90.0	110.0
Li	ug/L	10000.00000	90.0	110.0
Mg	ug/L	10000.00000	90.0	110.0
Mn	ug/L	1000.00000	90.0	110.0
Mo	ug/L	1000.00000	90.0	110.0
Na	ug/L	10000.00000	90.0	110.0
Ni	ug/L	1000.00000	90.0	110.0
Pb	ug/L	1000.00000	90.0	110.0
Sb	ug/L	1000.00000	90.0	110.0
Se	ug/L	1000.00000	90.0	110.0
Si	ug/L	500.00000	90.0	110.0
Sn	ug/L	1000.00000	90.0	110.0
Sr	ug/L	1000.00000	90.0	110.0
Ti	ug/L	1000.00000	90.0	110.0
Tl	ug/L	1000.00000	90.0	110.0
V	ug/L	1000.00000	90.0	110.0
Zn	ug/L	1000.00000	90.0	110.0
Zr	ug/L	1000.00000	90.0	110.0

(IPC)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	95.0	105.0
Al	ug/L	5000.00000	95.0	105.0
As	ug/L	1000.00000	95.0	105.0
B	ug/L	1000.00000	95.0	105.0
Ba	ug/L	1000.00000	95.0	105.0
Be	ug/L	1000.00000	95.0	105.0
Ca	ug/L	20000.00000	95.0	105.0
Cd	ug/L	1000.00000	95.0	105.0
Co	ug/L	1000.00000	95.0	105.0
Cr	ug/L	1000.00000	95.0	105.0
Cu	ug/L	1000.00000	95.0	105.0
Fe	ug/L	5000.00000	95.0	105.0
K	ug/L	20000.00000	95.0	105.0
Li	ug/L	5000.00000	95.0	105.0
Mg	ug/L	20000.00000	95.0	105.0
Mn	ug/L	1000.00000	95.0	105.0
Mo	ug/L	1000.00000	95.0	105.0
Na	ug/L	20000.00000	95.0	105.0
Ni	ug/L	1000.00000	95.0	105.0
Pb	ug/L	1000.00000	95.0	105.0
Sb	ug/L	1000.00000	95.0	105.0
Se	ug/L	1000.00000	95.0	105.0
Si	ug/L	1000.00000	95.0	105.0
Sn	ug/L	1000.00000	95.0	105.0
Sr	ug/L	1000.00000	95.0	105.0
Ti	ug/L	1000.00000	95.0	105.0
Tl	ug/L	1000.00000	95.0	105.0
V	ug/L	1000.00000	95.0	105.0
Zn	ug/L	1000.00000	95.0	105.0
Zr	ug/L	1000.00000	95.0	105.0

CRI

Report Equation: (MeasuredConc/CRIDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(CRI-RL)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	5.00000	70.0	130.0
Al	ug/L	100.00000	70.0	130.0
As	ug/L	10.00000	70.0	130.0
B	ug/L	10.00000	70.0	130.0
Ba	ug/L	10.00000	70.0	130.0
Be	ug/L	1.00000	70.0	130.0
Ca	ug/L	400.00000	70.0	130.0
Cd	ug/L	1.00000	70.0	130.0
Co	ug/L	10.00000	70.0	130.0
Cr	ug/L	5.00000	70.0	130.0
Cu	ug/L	10.00000	70.0	130.0
Fe	ug/L	100.00000	70.0	130.0
K	ug/L	4000.00000	70.0	130.0
Li	ug/L	100.00000	70.0	130.0
Mg	ug/L	400.00000	70.0	130.0
Mn	ug/L	10.00000	70.0	130.0
Mo	ug/L	10.00000	70.0	130.0

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Na	ug/L	2000.00000	70.0	130.0
Ni	ug/L	10.00000	70.0	130.0
Pb	ug/L	5.00000	70.0	130.0
Sb	ug/L	10.00000	70.0	130.0
Se	ug/L	10.00000	70.0	130.0
Si	ug/L	100.00000	70.0	130.0
Sn	ug/L	50.00000	70.0	130.0
Sr	ug/L	20.00000	70.0	130.0
Ti	ug/L	10.00000	70.0	130.0
Tl	ug/L	10.00000	70.0	130.0
V	ug/L	10.00000	70.0	130.0
Zn	ug/L	50.00000	70.0	130.0
Zr	ug/L	10.00000	70.0	130.0

(CRI-MCP)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	7.00000	70.0	130.0
As	ug/L	50.00000	70.0	130.0
Ba	ug/L	2000.00000	70.0	130.0
Be	ug/L	4.00000	70.0	130.0
Cd	ug/L	5.00000	70.0	130.0
Cr	ug/L	100.00000	70.0	130.0
Ni	ug/L	100.00000	70.0	130.0
Pb	ug/L	15.00000	70.0	130.0
Sb	ug/L	6.00000	70.0	130.0
Se	ug/L	50.00000	70.0	130.0
Tl	ug/L	2.00000	70.0	130.0
V	ug/L	50.00000	70.0	130.0
Zn	ug/L	900.00000	70.0	130.0

Lab Control Sample

Report Equation: (MeasuredConc / LCSDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(LCS)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	85.0	115.0
Al	ug/L	5000.00000	85.0	115.0
As	ug/L	1000.00000	85.0	115.0
B	ug/L	1000.00000	85.0	115.0
Ba	ug/L	1000.00000	85.0	115.0
Be	ug/L	1000.00000	85.0	115.0
Ca	ug/L	20000.00000	85.0	115.0
Cd	ug/L	1000.00000	85.0	115.0
Co	ug/L	1000.00000	85.0	115.0
Cr	ug/L	1000.00000	85.0	115.0
Cu	ug/L	1000.00000	85.0	115.0
Fe	ug/L	5000.00000	85.0	115.0
K	ug/L	20000.00000	85.0	115.0
Li	ug/L	5000.00000	85.0	115.0
Mg	ug/L	20000.00000	85.0	115.0
Mn	ug/L	1000.00000	85.0	115.0
Mo	ug/L	1000.00000	85.0	115.0
Na	ug/L	20000.00000	85.0	115.0
Ni	ug/L	1000.00000	85.0	115.0

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Pb	ug/L	1000.00000	85.0	115.0
Sb	ug/L	1000.00000	85.0	115.0
Se	ug/L	1000.00000	85.0	115.0
Si	ug/L	1000.00000	85.0	115.0
Sn	ug/L	1000.00000	85.0	115.0
Sr	ug/L	1000.00000	85.0	115.0
Ti	ug/L	1000.00000	85.0	115.0
Tl	ug/L	1000.00000	85.0	115.0
V	ug/L	1000.00000	85.0	115.0
Zn	ug/L	1000.00000	85.0	115.0
Zr	ug/L	1000.00000	85.0	115.0

(LCSD)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	85.0	115.0
Al	ug/L	5000.00000	85.0	115.0
As	ug/L	1000.00000	85.0	115.0
B	ug/L	1000.00000	85.0	115.0
Ba	ug/L	1000.00000	85.0	115.0
Be	ug/L	1000.00000	85.0	115.0
Ca	ug/L	20000.00000	85.0	115.0
Cd	ug/L	1000.00000	85.0	115.0
Co	ug/L	1000.00000	85.0	115.0
Cr	ug/L	1000.00000	85.0	115.0
Cu	ug/L	1000.00000	85.0	115.0
Fe	ug/L	5000.00000	85.0	115.0
K	ug/L	20000.00000	85.0	115.0
Li	ug/L	5000.00000	85.0	115.0
Mg	ug/L	20000.00000	85.0	115.0
Mn	ug/L	1000.00000	85.0	115.0
Mo	ug/L	1000.00000	85.0	115.0
Na	ug/L	20000.00000	85.0	115.0
Ni	ug/L	1000.00000	85.0	115.0
Pb	ug/L	1000.00000	85.0	115.0
Sb	ug/L	1000.00000	85.0	115.0
Se	ug/L	1000.00000	85.0	115.0
Si	ug/L	1000.00000	85.0	115.0
Sn	ug/L	1000.00000	85.0	115.0
Sr	ug/L	1000.00000	85.0	115.0
Ti	ug/L	1000.00000	85.0	115.0
Tl	ug/L	1000.00000	85.0	115.0
V	ug/L	1000.00000	85.0	115.0
Zn	ug/L	1000.00000	85.0	115.0
Zr	ug/L	1000.00000	85.0	115.0

Interf Check A

Report Equation: MeasuredConc

Pass Test Equation: ABS(ReportValue) < CRDL

(ICSA)

El
Ag
Al
As
B

El
Ba
Be
Ca
Cd
Co
Cr
Cu
Fe
K
Li
Mg
Mn
Mo
Na
Ni
Pb
Sb
Se
Si
Sn
Sr
Ti
Tl
V
Zn
Zr

Interf Check AB

Report Equation: (MeasuredConc / ICSABDefined) * 100

Pass Test Equation: ((ReportValue >= LowLimit) AND (ReportValue <= HighLimit)) OR (MDL > CRDL)

(ICSAB)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	600.00000	80.0	120.0
Al	ug/L	100000.00000	80.0	120.0
As	ug/L	2000.00000	80.0	120.0
Ba	ug/L	600.00000	80.0	120.0
Be	ug/L	200.00000	80.0	120.0
Ca	ug/L	100000.00000	80.0	120.0
Cd	ug/L	600.00000	80.0	120.0
Co	ug/L	600.00000	80.0	120.0
Cr	ug/L	600.00000	80.0	120.0
Cu	ug/L	600.00000	80.0	120.0
Fe	ug/L	100000.00000	80.0	120.0
K	ug/L	40000.00000	80.0	120.0
Mg	ug/L	100000.00000	80.0	120.0
Mn	ug/L	400.00000	80.0	120.0
Ni	ug/L	600.00000	80.0	120.0
Pb	ug/L	2000.00000	80.0	120.0
Sb	ug/L	1000.00000	80.0	120.0
Se	ug/L	1000.00000	80.0	120.0
Tl	ug/L	2000.00000	80.0	120.0
V	ug/L	600.00000	80.0	120.0
Zn	ug/L	600.00000	80.0	120.0

Cont Calib Blank
Report Equation: MeasuredConc
Pass Test Equation: ABS(ReportValue) <= CRDL
(CCB)

El
Ag
Al
As
B
Ba
Be
Ca
Cd
Co
Cr
Cu
Fe
K
Li
Mg
Mn
Mo
Na
Ni
Pb
Sb
Se
Si
Sn
Sr
Ti
Tl
V
Zn
Zr

Initial Calib Blank
Report Equation: MeasuredConc
Pass Test Equation: ABS(ReportValue) <= CRDL
(ICB)

El
Ag
Al
As
B
Ba
Be
Ca
Cd
Co
Cr
Cu
Fe
K

El
Li
Mg
Mn
Mo
Na
Ni
Pb
Sb
Se
Si
Sn
Sr
Ti
Tl
V
Zn
Zr

Duplicate
Report Equation: 100 * ABS(PrevSampleConc - MeasuredConc) / ((PrevSampleConc + MeasuredConc)/2)
Pass Test Equation: (ReportValue <= Difference)
(Duplicate)

El	Units	Difference(%)
Ag	ug/L	20
Al	ug/L	20
As	ug/L	20
B	ug/L	20
Ba	ug/L	20
Be	ug/L	20
Ca	ug/L	20
Cd	ug/L	20
Co	ug/L	20
Cr	ug/L	20
Cu	ug/L	20
Fe	ug/L	20
K	ug/L	20
Li	ug/L	20
Mg	ug/L	20
Mn	ug/L	20
Mo	ug/L	20
Na	ug/L	20
Ni	ug/L	20
Pb	ug/L	20
Sb	ug/L	20
Se	ug/L	20
Si	ug/L	20
Sn	ug/L	20
Sr	ug/L	20
Ti	ug/L	20
Tl	ug/L	20
V	ug/L	20
Zn	ug/L	20
Zr	ug/L	20

Matrix Spike
Report Equation: 100 * (MeasuredConc - PrevSampleConc) / MSPKDefined
Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)
(Matrix Spike)

El	Units	Spike Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	75.0	125.0
Al	ug/L	5000.00000	75.0	125.0
As	ug/L	1000.00000	75.0	125.0
B	ug/L	1000.00000	75.0	125.0
Ba	ug/L	1000.00000	75.0	125.0
Be	ug/L	1000.00000	75.0	125.0
Ca	ug/L	20000.00000	75.0	125.0
Cd	ug/L	1000.00000	75.0	125.0
Co	ug/L	1000.00000	75.0	125.0
Cr	ug/L	1000.00000	75.0	125.0
Cu	ug/L	1000.00000	75.0	125.0
Fe	ug/L	5000.00000	75.0	125.0
K	ug/L	20000.00000	75.0	125.0
Li	ug/L	5000.00000	75.0	125.0
Mg	ug/L	20000.00000	75.0	125.0
Mn	ug/L	1000.00000	75.0	125.0
Mo	ug/L	1000.00000	75.0	125.0
Na	ug/L	20000.00000	75.0	125.0
Ni	ug/L	1000.00000	75.0	125.0
Pb	ug/L	1000.00000	75.0	125.0
Sb	ug/L	1000.00000	75.0	125.0
Se	ug/L	1000.00000	75.0	125.0
Si	ug/L	1000.00000	75.0	125.0
Sn	ug/L	1000.00000	75.0	125.0
Sr	ug/L	1000.00000	75.0	125.0
Ti	ug/L	1000.00000	75.0	125.0
Tl	ug/L	1000.00000	75.0	125.0
V	ug/L	1000.00000	75.0	125.0
Zn	ug/L	1000.00000	75.0	125.0
Zr	ug/L	1000.00000	75.0	125.0

Matrix Spike Dup
Report Equation: 100 * (MeasuredConc - PrevSampleConc) / MSDDefined and 100 * ABS(PrevSolutionConc - MeasuredConc) / ((PrevSolutionConc + MeasuredConc)/2)
Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit) and (ReportValue <= Difference)
(Matrix Spike Dup)

El	Units	Spike Conc	Low Limit(%)	High Limit(%)	Difference(%)
Ag	ug/L	1000.00000	75.0	125.0	20
Al	ug/L	5000.00000	75.0	125.0	20
As	ug/L	1000.00000	75.0	125.0	20
B	ug/L	1000.00000	75.0	125.0	20
Ba	ug/L	1000.00000	75.0	125.0	20
Be	ug/L	1000.00000	75.0	125.0	20
Ca	ug/L	20000.00000	75.0	125.0	20
Cd	ug/L	1000.00000	75.0	125.0	20
Co	ug/L	1000.00000	75.0	125.0	20
Cr	ug/L	1000.00000	75.0	125.0	20
Cu	ug/L	1000.00000	75.0	125.0	20
Fe	ug/L	5000.00000	75.0	125.0	20

El	Units	Spike Conc	Low Limit(%)	High Limit(%)	Difference(%)
K	ug/L	20000.00000	75.0	125.0	20
Li	ug/L	5000.00000	75.0	125.0	20
Mg	ug/L	20000.00000	75.0	125.0	20
Mn	ug/L	1000.00000	75.0	125.0	20
Mo	ug/L	1000.00000	75.0	125.0	20
Na	ug/L	20000.00000	75.0	125.0	20
Ni	ug/L	1000.00000	75.0	125.0	20
Pb	ug/L	1000.00000	75.0	125.0	20
Sb	ug/L	1000.00000	75.0	125.0	20
Se	ug/L	1000.00000	75.0	125.0	20
Si	ug/L	1000.00000	75.0	125.0	20
Sn	ug/L	1000.00000	75.0	125.0	20
Sr	ug/L	1000.00000	75.0	125.0	20
Ti	ug/L	1000.00000	75.0	125.0	20
Tl	ug/L	1000.00000	75.0	125.0	20
V	ug/L	1000.00000	75.0	125.0	20
Zn	ug/L	1000.00000	75.0	125.0	20
Zr	ug/L	1000.00000	75.0	125.0	20

Prep Blank
Report Equation: MeasuredConc
Pass Test Equation: ABS(ReportValue) <= CRDL
(RB)

El

IEC Factor Matrix

Analyte	As 188.980	Co 228.615	Cu 327.395	Ni 216.555
Ca 373.690	0.000000	0.000000	0.000000	0.000000
Ba 493.408	0.000000	0.000000	0.000000	0.000000
Be 313.042	0.000001	-0.000000	-0.000000	0.000000
Li 610.365	0.000000	0.000000	0.000000	0.000000
Mg 279.078	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Se 196.026	0.000000	0.000000	0.000000	0.000000
Na 330.237	0.000000	0.000000	0.000000	0.000000
Sr 421.552	0.000000	0.000000	0.000000	0.000000
B 249.678	0.000000	0.001516	0.000000	0.000000
Si 251.611	0.000000	0.000000	0.000000	0.000000
Ti 336.122	0.000000	0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000000	0.000000	0.000000
Cr 267.716	0.000000	0.000000	0.000000	-0.000000
Co 228.615	0.000000		0.000000	0.000112
Pb 220.353	0.000000	0.000000	0.000000	0.000000
Mn 257.610	0.000000	0.000000	0.000000	0.000000
Ni 216.555	0.003743	0.000000	0.000000	
Tl 190.794	0.000000	0.002522	0.000000	0.000000
Zn 202.548	0.000000	0.000000	0.007636	0.000000
Ag 338.289	0.000000	0.000000	0.000000	0.000254
Al 237.312	0.000000	0.001020	0.000000	0.000000
Cu 327.395	0.000000	0.000287		0.000000
Si 288.158	0.000000	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000	-0.000000	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
As 188.980		0.000000	0.000000	0.000000

Analyte	As 188.980	Co 228.615	Cu 327.395	Ni 216.555
V 292.401	0.000000	0.000001	0.000000	0.000000
Cd 214.439	0.000000	-0.000000	0.000000	0.000000
Sb 217.582	0.000000	0.000000	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000
Analyte	**V 292.401**	**Cd 214.439**	**Cr 267.716**	**Mn 257.610**
Ca 373.690	0.000000	0.000000	0.000000	0.000000
Ba 493.408	0.000000	-0.000000	-0.000000	0.000000
Be 313.042	0.000097	0.000000	-0.000000	0.000000
Li 610.365	0.000000	0.000000	0.000000	0.000000
Mg 279.078	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Se 196.026	0.000000	0.000000	0.000000	0.000778
Na 330.237	0.000000	0.000000	0.000000	0.000000
Sr 421.552	0.000000	-0.000000	0.000000	0.000000
B 249.678	0.000000	0.000000	0.000431	0.000000
Si 251.611	0.000000	0.000000	0.000000	0.000000
Ti 336.122	0.000000	0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000000	0.000000	0.000000
Cr 267.716	0.000000	0.000000		0.000000
Co 228.615	0.000000	0.000000	0.000000	0.000000
Pb 220.353	0.000000	0.000000	0.000000	0.000000
Mn 257.610	0.000000	0.000000	0.000000	
Ni 216.555	0.000000	0.000000	0.000000	0.000000
Tl 190.794	0.001320	0.000000	0.000232	0.000000
Zn 202.548	0.000000	0.000000	0.000000	0.000000
Ag 338.289	-0.000218	0.000000	0.019322	0.000000
Al 237.312	0.000084	0.000000	0.000000	0.000000
Cu 327.395	0.000000	0.000000	0.000000	0.000000
Si 288.158	0.000000	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000	0.000952	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
As 188.980	0.000000	0.000000	0.000270	0.000000
V 292.401		0.000000	0.000000	0.000000
Cd 214.439	0.000000		0.000000	0.000000
Sb 217.582	0.000000	0.000895	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000
Analyte	**Be 313.042**	**Sb 217.582**	**Si 251.611**	**Ti 336.122**
Ca 373.690	0.000000	0.000000	0.000000	0.000000
Ba 493.408	0.000000	0.000000	0.000000	-0.000000
Be 313.042		0.000000	0.000000	0.000000
Li 610.365	0.000000	-0.000000	0.000000	0.000006
Mg 279.078	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Se 196.026	0.000000	0.000000	0.000001	0.000000
Na 330.237	0.000000	0.000000	0.000000	0.000000
Sr 421.552	-0.000000	-0.000000	0.000000	0.000000
B 249.678	0.000000	0.000000	0.001157	0.000000
Si 251.611	0.000000	0.019093		0.032562
Ti 336.122	0.000000	0.000000	0.000000	
Zr 339.198	0.000000	0.000000	0.000000	0.000000
Cr 267.716	0.000000	0.000000	0.000000	0.000000
Co 228.615	0.000000	0.000000	0.000000	0.001848
Pb 220.353	0.000000	0.000000	0.000000	0.000000
Mn 257.610	0.000000	0.000001	0.000000	0.000000

Analyte	Be 313.042	Sb 217.582	Si 251.611	Ti 336.122
Ni 216.555	0.000000	0.000000	0.000000	0.000000
Tl 190.794	0.000000	0.000000	0.000000	0.000000
Zn 202.548	0.000000	0.000000	0.000000	-0.000000
Ag 338.289	0.000000	0.000000	0.000000	0.000000
Al 237.312	0.000000	0.000000	0.000000	0.000000
Cu 327.395	0.000000	0.000000	0.000000	0.000000
Si 288.158	0.000000	0.020256		0.000000
Fe 273.955	0.000000	-0.000000	0.000000	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
As 188.980	0.000000	0.000000	0.000000	0.000000
V 292.401	0.000000	0.000000	0.000000	0.000626
Cd 214.439	0.000000	0.000000	-0.000000	0.000000
Sb 217.582	0.000000		0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000

Analyte	Zn 202.548	Ca 373.690	Fe 273.955	Mg 279.078
Ca 373.690	0.000000		0.011925	0.000000
Ba 493.408	0.000000	0.000000	0.000000	0.000000
Be 313.042	0.000000	0.000000	0.000000	0.000000
Li 610.365	0.000000	0.000000	0.000000	0.000000
Mg 279.078	0.000000	0.000000	0.000120	
K 404.721	0.000000	0.000000	0.001838	0.000000
Se 196.026	0.000000	0.000000	-0.000008	0.000000
Na 330.237	-0.081530	0.000000	0.000000	0.000000
Sr 421.552	0.000000	0.000020	0.000000	0.000000
B 249.678	0.000000	0.000000	0.000000	0.000000
Si 251.611	0.000000	0.000000	0.000000	0.000000
Ti 336.122	0.000000	0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000000	0.000000	-0.000000
Cr 267.716	0.000000	0.000000	0.000000	0.000000
Co 228.615	0.000000	0.000000	0.000032	0.000000
Pb 220.353	0.000000	0.000000	-0.000005	0.000000
Mn 257.610	0.000000	0.000000	0.000000	0.000029
Ni 216.555	0.000000	0.000000	0.000099	0.000000
Tl 190.794	0.000000	0.000002	0.000000	0.000000
Zn 202.548		0.000000	0.000019	0.000000
Ag 338.289	0.000000	0.000000	0.000001	0.000000
Al 237.312	0.000000	0.000000	0.000000	0.000000
Cu 327.395	0.000000	0.000000	0.000000	0.000000
Si 288.158	0.000000	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000		0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000004
As 188.980	0.000000	0.000000	0.000000	0.000000
V 292.401	0.000000	0.000019	0.000009	0.000000
Cd 214.439	0.000000	0.000000	0.000017	0.000000
Sb 217.582	0.000000	0.000000	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000

Analyte	Ba 493.408
Ca 373.690	0.000000
Ba 493.408	
Be 313.042	0.000000
Li 610.365	0.000000
Mg 279.078	0.000000
K 404.721	0.061139
Se 196.026	0.000000

Analyte	Ba 493.408
Na 330.237	0.000000
Sr 421.552	0.000000
B 249.678	0.000000
Si 251.611	0.000000
Ti 336.122	0.000000
Zr 339.198	0.000000
Cr 267.716	0.000000
Co 228.615	0.000000
Pb 220.353	0.000000
Mn 257.610	0.000000
Ni 216.555	0.000000
Tl 190.794	0.000000
Zn 202.548	0.000000
Ag 338.289	0.000000
Al 237.312	0.000000
Cu 327.395	0.000000
Si 288.158	0.000000
Fe 273.955	0.000000
Sn 189.925	0.000000
As 188.980	0.000000
V 292.401	0.000000
Cd 214.439	-0.000001
Sb 217.582	0.000000
Mo 202.032	0.000000

e - Locked factor.

i - Factor not calculated due to Interferent error.

a - Factor not calculated due to Analyte error.

Units

Unit Name	Multiplier	Divider
ppb	1	1E9
ug/L	1	1E9

Columns

Column
Ag 338.289
Al 237.312
As 188.980
B 249.678
Ba 493.408
Be 313.042
Ca 373.690
Cd 214.439
Co 228.615
Cr 267.716
Cu 327.395
Fe 273.955
K 404.721
Li 610.365
Mg 279.078
Mn 257.610

Column
Mo 202.032
Na 330.237
Ni 216.555
Pb 220.353
Sb 217.582
Se 196.026
Si 251.611
Si 288.158
Sn 189.925
Sr 421.552
Ti 336.122
Tl 190.794
V 292.401
Zn 202.548
Zr 339.198

Display Column Flags

Column	o	QC	S	e	uncal	I	n	a	u	v	x	b	p	m	d
Ag 338.289	x	x	x	x	x	x	x	x	x	x	x	x	x		
Al 237.312	x	x	x	x	x	x	x	x	x	x	x	x	x		
As 188.980	x	x	x	x	x	x	x	x	x	x	x	x	x		
B 249.678	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ba 493.408	x	x	x	x	x	x	x	x	x	x	x	x	x		
Be 313.042	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ca 373.690	x	x	x	x	x	x	x	x	x	x	x	x	x		
Cd 214.439	x	x	x	x	x	x	x	x	x	x	x	x	x		
Co 228.615	x	x	x	x	x	x	x	x	x	x	x	x	x		
Cr 267.716	x	x	x	x	x	x	x	x	x	x	x	x	x		
Cu 327.395	x	x	x	x	x	x	x	x	x	x	x	x	x		
Fe 273.955	x	x	x	x	x	x	x	x	x	x	x	x	x		
K 404.721	x	x	x	x	x	x	x	x	x	x	x	x	x		
Li 610.365	x	x	x	x	x	x	x	x	x	x	x	x	x		
Mg 279.078	x	x	x	x	x	x	x	x	x	x	x	x	x		
Mn 257.610	x	x	x	x	x	x	x	x	x	x	x	x	x		
Mo 202.032	x	x	x	x	x	x	x	x	x	x	x	x	x		
Na 330.237	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ni 216.555	x	x	x	x	x	x	x	x	x	x	x	x	x		
Pb 220.353	x	x	x	x	x	x	x	x	x	x	x	x	x		
Sb 217.582	x	x	x	x	x	x	x	x	x	x	x	x	x		
Se 196.026	x	x	x	x	x	x	x	x	x	x	x	x	x		
Si 251.611	x	x	x	x	x	x	x	x	x	x	x	x	x		
Si 288.158	x	x	x	x	x	x	x	x	x	x	x	x	x		
Sn 189.925	x	x	x	x	x	x	x	x	x	x	x	x	x		
Sr 421.552	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ti 336.122	x	x	x	x	x	x	x	x	x	x	x	x	x		
Tl 190.794	x	x	x	x	x	x	x	x	x	x	x	x	x		
V 292.401	x	x	x	x	x	x	x	x	x	x	x	x	x		
Zn 202.548	x	x	x	x	x	x	x	x	x	x	x	x	x		
Zr 339.198	x	x	x	x	x	x	x	x	x	x	x	x	x		

Ag 338.289 Calibration (ug/L) **12/1/2011, 10:10:30 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.30273	0.000000	0.000000	-	-
Standard 1		11297.4	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 11.3 x + -1.3

Al 237.312 Calibration (ug/L) **12/1/2011, 10:25:12 AM** **Correlation Coefficient: 0.999638**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		12.9407	0.000000	-0.014059	-	-
Standard 1		24504.0	5000.00	5110.30	110.304	2.2
Standard 2		45278.6	10000.0	9665.50	-334.505	-3.3
Standard 3		57327.1	12500.0	12412.8	-87.1572	-0.7
Standard 4		67784.2	15000.0	14867.2	-132.850	-0.9
Standard 5		88902.9	20000.0	20046.3	46.2930	0.2
Standard 6		110019	25000.0	25570.8	570.754	2.3

Curve Type: Quadratic Equation: $y = 0.0\ x^2 + 4.9\ x + 13.0$

As 188.980 Calibration (ug/L) **12/1/2011, 10:10:30 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.92152	0.000000	0.000000	-	-
Standard 1		1833.58	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 1.8 x + 2.9

B 249.678 Calibration (ug/L) **12/1/2011, 10:10:30 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		112.197	0.000000	0.000000	-	-
Standard 1		34075.4	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 34.0 x + 112.2

Ba 493.408 Calibration (ug/L) **12/1/2011, 10:10:30 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		242.633	0.000000	0.000000	-	-
Standard 1		2633421	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 2633.2 x + 242.6

Be 313.042 Calibration (ug/L) **12/1/2011, 10:10:30 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		127.037	0.000000	0.000000	-	-
Standard 1		4411244	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 4411.1 x + 127.0

Ca 373.690 Calibration (ug/L) **12/1/2011, 10:25:12 AM** **Correlation Coefficient: 0.999812**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		64.6094	0.000000	-0.005307	-	-
Standard 1		175921	20000.0	20220.8	220.770	1.1
Standard 2		328182	40000.0	38790.0	-1209.98	-3.0
Standard 3		415025	50000.0	49896.2	-103.805	-0.2
Standard 4		489523	60000.0	59762.7	-237.309	-0.4
Standard 5		627597	80000.0	78999.6	-1000.40	-1.3
Standard 6		772860	100000	100838	838.453	0.8

Curve Type: Quadratic Equation: $y = 0.0\ x^2 + 9.0\ x + 64.7$

Cd 214.439 Calibration (ug/L) **12/1/2011, 10:10:30 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.42575	0.000000	0.000000	-	-
Standard 1		68994.8	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 69.0\ x + 4.4$

Co 228.615 Calibration (ug/L) **12/1/2011, 10:10:30 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		21.9923	0.000000	0.000000	-	-
Standard 1		14259.8	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 14.2\ x + 22.0$

Cr 267.716 Calibration (ug/L) **12/1/2011, 10:10:30 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		48.7064	0.000000	0.000000	-	-
Standard 1		70376.2	1000.00	1000.000	-0.000122	0.0

Curve Type: Linear Equation: $y = 70.3\ x + 48.7$

Cu 327.395 Calibration (ug/L) **12/1/2011, 10:10:30 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		181.864	0.000000	0.000000	-	-
Standard 1		74850.2	1000.00	1000.000	-0.000061	0.0

Curve Type: Linear Equation: $y = 74.7\ x + 181.9$

Fe 273.955 Calibration (ug/L) **12/1/2011, 10:25:12 AM** **Correlation Coefficient: 0.999791**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		60.3284	0.000000	-0.002158	-	-
Standard 1		121363	5000.00	5089.35	89.3457	1.8
Standard 2		224957	10000.0	9687.92	-312.081	-3.1
Standard 3		283833	12500.0	12421.5	-78.5371	-0.6
Standard 4		334135	15000.0	14834.8	-165.250	-1.1
Standard 5		441170	20000.0	20243.8	243.752	1.2

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Standard 6		530051	25000.0	25072.4	72.3594	0.3

Curve Type: Quadratic Equation: $y = 0.0\ x^2 + 24.5\ x + 60.4$

K 404.721 Calibration (ug/L) 12/1/2011, 10:25:12 AM Correlation Coefficient: 0.999871

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		19.5791	0.000000	309.892	-	-
Standard 1		526.901	20000.0	19767.2	-232.789	-1.2
Standard 2		1056.67	40000.0	39061.0	-939.031	-2.3
Standard 3		1389.25	50000.0	50704.6	704.629	1.4
Standard 4		1661.64	60000.0	59997.4	-2.57031	0.0
Standard 5		2283.05	80000.0	80455.6	455.578	0.6
Standard 6		2894.98	100000	99702.8	-297.164	-0.3

Curve Type: Quadratic Equation: $y = 0.0\ x^2 + 0.0\ x + 11.7$

Li 610.365 Calibration (ug/L) 12/1/2011, 10:10:30 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		51.2656	0.000000	0.000000	-	-
Standard 1		631714	5000.00	5000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 126.3\ x + 51.3$

Mg 279.078 Calibration (ug/L) 12/1/2011, 10:25:12 AM Correlation Coefficient: 0.999684

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		39.0300	0.000000	-0.014148	-	-
Standard 1		158502	20000.0	20260.2	260.168	1.3
Standard 2		294701	40000.0	38753.4	-1246.63	-3.1
Standard 3		372638	50000.0	49861.6	-138.379	-0.3
Standard 4		439817	60000.0	59787.2	-212.785	-0.4
Standard 5		566908	80000.0	79589.3	-410.727	-0.5
Standard 6		700950	100000	102229	2228.98	2.2

Curve Type: Quadratic Equation: $y = 0.0\ x^2 + 8.1\ x + 39.1$

Mn 257.610 Calibration (ug/L) 12/1/2011, 10:10:30 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		50.8827	0.000000	0.000000	-	-
Standard 1		420832	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 420.8\ x + 50.9$

Mo 202.032 Calibration (ug/L) 12/1/2011, 10:10:30 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		26.7144	0.000000	0.000000	-	-
Standard 1		12083.5	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 12.1 x + 26.7

Na 330.237 Calibration (ug/L) 12/1/2011, 10:25:12 AM Correlation Coefficient: 0.999763

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		13.3721	0.000000	-46.3952	-	-
Standard 1		5486.68	20000.0	20005.6	5.59375	0.0
Standard 2		10870.5	40000.0	39729.6	-270.402	-0.7
Standard 3		13737.1	50000.0	50231.8	231.848	0.5
Standard 4		16235.1	60000.0	59383.3	-616.719	-1.0
Standard 5		21377.6	80000.0	78223.6	-1776.44	-2.2
Standard 6		26390.5	100000	96588.8	-3411.16	-3.4

Curve Type: Linear Equation: y = 0.3 x + 26.0

Ni 216.555 Calibration (ug/L) 12/1/2011, 10:10:30 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.61096	0.000000	0.000000	-	-
Standard 1		14050.4	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 14.0 x + 9.6

Pb 220.353 Calibration (ug/L) 12/1/2011, 10:10:30 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		17.6263	0.000000	0.000000	-	-
Standard 1		8238.22	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 8.2 x + 17.6

Sb 217.582 Calibration (ug/L) 12/1/2011, 10:10:30 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		8.05780	0.000000	0.000000	-	-
Standard 1		2384.97	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 2.4 x + 8.1

Se 196.026 Calibration (ug/L) 12/1/2011, 10:10:30 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.63440	0.000000	0.000000	-	-
Standard 1		942.669	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 0.9 x + 3.6

Si 251.611 Calibration (ug/L) 12/1/2011, 10:10:30 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		71.0826	0.000000	0.000000	-	-
Standard 1		6681.25	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 6.6 x + 71.1

Si 288.158 Calibration (ug/L) 12/1/2011, 10:10:30 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		511.407	0.000000	0.000000	-	-
Standard 1		16117.2	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 15.6 x + 511.4

Sn 189.925 Calibration (ug/L) 12/1/2011, 10:10:30 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		10.8130	0.000000	0.000000	-	-
Standard 1		2836.70	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 2.8 x + 10.8

Sr 421.552 Calibration (ug/L) 12/1/2011, 10:10:30 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		59.5762	0.000000	0.000000	-	-
Standard 1		3162211	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 3162.2 x + 59.6

Ti 336.122 Calibration (ug/L) 12/1/2011, 10:10:30 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		79.5093	0.000000	0.000000	-	-
Standard 1		329183	1000.00	1000.00	0.000122	0.0

Curve Type: Linear Equation: y = 329.1 x + 79.5

Tl 190.794 Calibration (ug/L) 12/1/2011, 10:10:30 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.76677	0.000000	0.000000	-	-
Standard 1		1655.08	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 1.7 x + 2.8

V 292.401 Calibration (ug/L) 12/1/2011, 10:10:30 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		42.4050	0.000000	0.000000	-	-
Standard 1		56101.0	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 56.1 x + 42.4

Zn 202.548 Calibration (ug/L) **12/1/2011, 10:10:30 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		38.8949	0.000000	0.000000	-	-
Standard 1		51364.6	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 51.3 x + 38.9

Zr 339.198 Calibration (ug/L) **12/1/2011, 10:10:30 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.53418	0.000000	0.000000	-	-
Standard 1		68834.4	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 68.8 x + 3.5

CCV (CCV) **12/1/2011, 12:59:31 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	1013.07	ug/L	0.300814	0.0	11748.7	101.30708
Al 237.312	5190.17	ug/L	30.2098	0.6	24883.8	103.80346
As 188.980	1022.09	ug/L	4.56145	0.4	1874.70	102.20903
B 249.678	999.839	ug/L	12.0358	1.2	34214.9	99.98385
Ba 493.408	1015.72	ug/L	1.72961	0.2	2674800	101.57151
Be 313.042	996.957	ug/L	15.4628	1.6	4398495	99.69569
Ca 373.690	20678.7	ug/L	14.0910	0.1	180641	103.39325
Cd 214.439	1025.91	ug/L	0.734642	0.1	70793.3	102.59102
Co 228.615	1021.70	ug/L	0.444445	0.0	14608.9	102.16969
Cr 267.716	1022.32	ug/L	0.829892	0.1	71945.8	102.23186
Cu 327.395	1020.45	ug/L	0.320494	0.0	76406.2	102.04460
Fe 273.955	5193.61	ug/L	2.25597	0.0	123806	103.87224
K 404.721	20828.8	ug/L	92.7373	0.4	557.549	104.14409
Li 610.365	5072.86	ug/L	3.67986	0.1	640922	101.45727
Mg 279.078	20735.9	ug/L	4.35036	0.0	162114	103.67937
Mn 257.610	1018.96	ug/L	0.192702	0.0	429197	101.89572
Mo 202.032	1022.80	ug/L	12.5174	1.2	12358.5	102.27983
Na 330.237	20395.1	ug/L	27.3175	0.1	5555.42	101.97551
Ni 216.555	1022.93	ug/L	3.50066	0.3	14461.9	102.29301
Pb 220.353	1022.83	ug/L	1.30891	0.1	8425.55	102.28346
Sb 217.582	1018.88	ug/L	2.38955	0.2	2433.33	101.88775
Se 196.026	1020.17	ug/L	0.232235	0.0	962.563	102.01683
Si 251.611	1028.40	ug/L	7.58301	0.7	7313.54	102.84013
Si 288.158	1026.97	ug/L	10.5098	1.0	16957.0	102.69735
Sn 189.925	1019.38	ug/L	2.34587	0.2	2891.83	101.93831
Sr 421.552	1015.12	ug/L	1.06981	0.1	3211844	101.51162
Ti 336.122	1024.73	ug/L	0.027276	0.0	337323	102.47319
Tl 190.794	1019.82	ug/L	4.50461	0.4	1696.96	101.98191
V 292.401	1021.30	ug/L	0.914353	0.1	57375.5	102.12998
Zn 202.548	1019.92	ug/L	2.53642	0.2	52842.9	101.99242
Zr 339.198	1070.59	ug/L	1.03917	0.1	73692.7	107.05907

CCB (CCB) **12/1/2011, 1:02:28 PM** **Rack 4, Tube 4**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.130630uv	ug/L	0.084493	64.7	-2.52271	-0.13063
Al 237.312	-0.009202uv	ug/L	0.399460	4341.1	12.9730	-0.00920
As 188.980	1.51172	ug/L	0.682578	45.2	5.68954	1.51172
B 249.678	20.0161	ug/L	2.50213	12.5	792.202	20.01613
Ba 493.408	0.170737	ug/L	0.057431	33.6	692.215	0.17074
Be 313.042	0.070849	ug/L	0.015498	21.9	439.918	0.07085
Ca 373.690	3.45179	ug/L	0.829024	24.0	96.0747	3.45179
Cd 214.439	0.101461	ug/L	0.069891	68.9	11.4315	0.10146
Co 228.615	0.841150	ug/L	0.389306	46.3	33.9911	0.84115
Cr 267.716	0.617896	ug/L	0.060457	9.8	92.1615	0.61790
Cu 327.395	0.243665	ug/L	0.010691	4.4	200.093	0.24366
Fe 273.955	1.72549	ug/L	0.526936	30.5	102.719	1.72549
K 404.721	405.055	ug/L	45.5366	11.2	21.9951	405.05505
Li 610.365	-0.186455uv	ug/L	0.092791	49.8	27.7109	-0.18645
Mg 279.078	0.332108uv	ug/L	1.04680	315.2	41.8254	0.33211
Mn 257.610	0.103913	ug/L	0.049678	47.8	94.6652	0.10391
Mo 202.032	11.8572	ug/L	0.779976	6.6	169.674	11.85715
Na 330.237	-54.1025uv	ug/L	0.602100	1.1	11.2490	-54.10249
Ni 216.555	0.275573	ug/L	0.156849	56.9	13.6434	0.27557
Pb 220.353	-0.091038uv	ug/L	0.134873	148.2	16.8777	-0.09104
Sb 217.582	2.07653	ug/L	1.75512	84.5	12.9938	2.07653
Se 196.026	2.34871uv	ug/L	4.25191	181.0	5.83998	2.34871
Si 251.611	0.350032	ug/L	0.442228	126.3	74.1144	0.35003
Si 288.158	-0.684344uv	ug/L	1.40454	205.2	502.124	-0.68434
Sn 189.925	1.10803	ug/L	0.525171	47.4	13.9442	1.10803
Sr 421.552	0.092474	ug/L	0.023114	25.0	352.550	0.09247
Ti 336.122	0.498279	ug/L	0.038763	7.8	243.495	0.49828
Tl 190.794	0.829065uv	ug/L	1.24378	150.0	4.14557	0.82906
V 292.401	0.144257	ug/L	0.010421	7.2	50.5298	0.14426
Zn 202.548	0.121624	ug/L	0.003921	3.2	45.7467	0.12162
Zr 339.198	0.862127	ug/L	0.019583	2.3	62.8750	0.86213

MB 360-84078/1-A (Samp) **12/1/2011, 1:10:28 PM** **Rack 1, Tube 33**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.115519uv	ug/L	0.488747	423.1	-2.19434
Al 237.312	8.40797	ug/L	0.616082	7.3	54.3402
As 188.980	1.46105	ug/L	1.04840	71.8	5.59714
B 249.678	5.18835	ug/L	0.310172	6.0	289.516
Ba 493.408	1.18536	ug/L	0.009711	0.8	3363.89
Be 313.042	0.003936	ug/L	0.000469	11.9	145.312
Ca 373.690	194.929	ug/L	0.284640	0.1	1821.45
Cd 214.439	0.287639	ug/L	0.068690	23.9	24.4052
Co 228.615	0.560055	ug/L	0.151392	27.0	30.0414
Cr 267.716	1.14198	ug/L	0.027890	2.4	129.019
Cu 327.395	0.972560	ug/L	0.067529	6.9	254.511
Fe 273.955	62.5564	ug/L	0.161712	0.3	1593.86
K 404.721	778.312	ug/L	764.722	98.3	31.4922
Li 610.365	-0.195298uv	ug/L	0.129566	66.3	26.5977
Mg 279.078	53.5958	ug/L	0.479889	0.9	471.200

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1.91694	ug/L	0.012992	0.7	858.575
Mo 202.032	0.214088uv	ug/L	0.563469	263.2	29.2961
Na 330.237	37.5777	ug/L	40.1586	106.9	36.1182
Ni 216.555	0.470019	ug/L	0.351118	74.7	16.5175
Pb 220.353	0.087167uv	ug/L	0.236451	271.3	18.3381
Sb 217.582	0.111104uv	ug/L	0.875582	788.1	8.32281
Se 196.026	0.591622	ug/L	0.093759	15.8	4.19110
Si 251.611	19.0710	ug/L	1.44444	7.6	197.567
Si 288.158	19.5648	ug/L	1.45768	7.5	817.278
Sn 189.925	32.5636	ug/L	0.203338	0.6	102.835
Sr 421.552	0.586912	ug/L	0.003644	0.6	1933.54
Ti 336.122	0.657947	ug/L	0.100190	15.2	296.043
Tl 190.794	-0.055931uv	ug/L	0.225506	403.2	2.68257
V 292.401	0.029516	ug/L	0.029724	100.7	44.4512
Zn 202.548	4.35579	ug/L	0.004134	0.1	263.486
Zr 339.198	5.21013	ug/L	0.490195	9.4	362.150

LCSSRM 360-84078/2-A (Samp) 12/1/2011, 1:13:25 PM Rack 1, Tube 34
Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	574.434b	ug/L	0.545738	0.1	7252.69
Al 237.312	161370b	ug/L	301.515	0.2	614633
As 188.980	829.665b	ug/L	5.33399	0.6	1523.47
B 249.678	922.234b	ug/L	9.98913	1.1	31746.1
Ba 493.408	6224.64b	ug/L	2.65614	0.0	16390820
Be 313.042	757.991b	ug/L	1.90484	0.3	3345129
Ca 373.690	322385b	ug/L	755.986	0.2	2211656
Cd 214.439	903.706b	ug/L	2.01748	0.2	62713.5
Co 228.615	1757.96b	ug/L	3.59785	0.2	25285.1
Cr 267.716	2558.89b	ug/L	5.36873	0.2	180009
Cu 327.395	1462.44b	ug/L	4.13086	0.3	109431
Fe 273.955	235528b	ug/L	1188.76	0.5	4270969
K 404.721	52632.1b	ug/L	470.919	0.9	1472.82
Li 610.365	511.774b	ug/L	1.16286	0.2	64710.9
Mg 279.078	49721.2b	ug/L	136.411	0.3	371915
Mn 257.610	3972.99b	ug/L	8.50997	0.2	1672700
Mo 202.032	1608.96b	ug/L	24.4341	1.5	19426.3
Na 330.237	41026.1b	ug/L	90.6726	0.2	11014.7
Ni 216.555	1600.05b	ug/L	4.46499	0.3	22948.6
Pb 220.353	2229.19b	ug/L	5.87765	0.3	18329.7
Sb 217.582	393.649b	ug/L	0.137481	0.0	946.821
Se 196.026	1233.67b	ug/L	3.14262	0.3	1163.94
Si 251.611	2671.93b	ug/L	35.1951	1.3	18585.3
Si 288.158	2685.62b	ug/L	22.6436	0.8	42585.1
Sn 189.925	1282.40b	ug/L	5.33929	0.4	3635.52
Sr 421.552	2297.38b	ug/L	5.67049	0.2	7287350
Ti 336.122	2909.67b	ug/L	11.9373	0.4	957663
Tl 190.794	2316.55b	ug/L	25.2283	1.1	3846.03
V 292.401	1230.75b	ug/L	0.103062	0.0	69690.1
Zn 202.548	5707.76b	ug/L	20.3058	0.4	293923
Zr 339.198	151.570b	ug/L	2.05642	1.4	10435.0

LCDSRM 360-84078/3-A (Samp) 12/1/2011, 1:16:20 PM Rack 1, Tube 35
Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	573.664b	ug/L	1.90242	0.3	7239.34
Al 237.312	167729b	ug/L	1167.61	0.7	638259
As 188.980	849.578b	ug/L	5.43226	0.6	1559.91
B 249.678	984.886b	ug/L	14.7299	1.5	33869.9
Ba 493.408	6168.78b	ug/L	56.6283	0.9	16243746
Be 313.042	779.012b	ug/L	3.29005	0.4	3437896
Ca 373.690	339482b	ug/L	1463.51	0.4	2321358
Cd 214.439	954.431b	ug/L	6.46702	0.7	66219.8
Co 228.615	1816.29b	ug/L	10.4215	0.6	26120.7
Cr 267.716	2542.53b	ug/L	12.9974	0.5	178858
Cu 327.395	1544.60b	ug/L	8.77453	0.6	115567
Fe 273.955	239862b	ug/L	1715.05	0.7	4348009
K 404.721	54736.8b	ug/L	14.7139	0.0	1534.58
Li 610.365	520.493b	ug/L	1.52884	0.3	65812.6
Mg 279.078	51785.6b	ug/L	316.176	0.6	386087
Mn 257.610	4098.04b	ug/L	22.3552	0.5	1725349
Mo 202.032	1645.67b	ug/L	36.5668	2.2	19868.9
Na 330.237	42694.4b	ug/L	110.624	0.3	11467.0
Ni 216.555	1634.05b	ug/L	11.3463	0.7	23435.0
Pb 220.353	2214.63b	ug/L	15.0692	0.7	18209.7
Sb 217.582	399.547b	ug/L	2.86224	0.7	961.013
Se 196.026	1280.52b	ug/L	16.7402	1.3	1208.02
Si 251.611	2511.70b	ug/L	2.58829	0.1	17548.8
Si 288.158	2512.48b	ug/L	19.3130	0.8	39885.6
Sn 189.925	1263.53b	ug/L	9.80817	0.8	3582.24
Sr 421.552	2321.76b	ug/L	13.8918	0.6	7365547
Ti 336.122	2990.29b	ug/L	20.4372	0.7	984197
Tl 190.794	2362.45b	ug/L	32.1135	1.4	3922.31
V 292.401	1249.74b	ug/L	6.19599	0.5	70780.0
Zn 202.548	5788.03b	ug/L	2.70413	0.0	298085
Zr 339.198	127.986b	ug/L	2.09140	1.6	8811.71

360-37832-A-1-A (Samp) 12/1/2011, 1:19:16 PM Rack 1, Tube 36
Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-4.34095	ug/L	0.485966	11.2	23.8372
Al 237.312	112672	ug/L	630.203	0.6	433669
As 188.980	13.7554	ug/L	0.108895	0.8	28.2394
B 249.678	58.3790	ug/L	3.15132	5.4	2237.65
Ba 493.408	949.645	ug/L	3.77308	0.4	2500828
Be 313.042	3.82103	ug/L	0.010509	0.3	17242.7
Ca 373.690	18385.3	ug/L	79.4073	0.4	174543
Cd 214.439	2.12106	ug/L	0.013047	0.6	319.603
Co 228.615	45.7411	ug/L	0.172078	0.4	826.255
Cr 267.716	203.245	ug/L	1.06851	0.5	14342.3
Cu 327.395	1482.07	ug/L	4.67932	0.3	110847
Fe 273.955	109418	ug/L	659.587	0.6	2029311
K 404.721	5511.10	ug/L	277.281	5.0	160.771
Li 610.365	129.020	ug/L	0.148983	0.1	16354.2
Mg 279.078	19728.4	ug/L	114.731	0.6	154594

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3212.73	ug/L	18.8991	0.6	1352276
Mo 202.032	20.0405	ug/L	0.978027	4.9	268.386
Na 330.237	14.7526uv	ug/L	8.11066	55.0	-36.7832
Ni 216.555	3151.27	ug/L	20.2292	0.6	44451.9
Pb 220.353	219.541	ug/L	1.38848	0.6	1816.09
Sb 217.582	26.1875	ug/L	1.08207	4.1	70.3184
Se 196.026	-0.438935uv	ug/L	3.66594	835.2	5.42410
Si 251.611	2618.73	ug/L	13.5512	0.5	18059.8
Si 288.158	2636.28	ug/L	10.7573	0.4	41663.9
Sn 189.925	20.1324	ug/L	0.971018	4.8	68.0382
Sr 421.552	100.768	ug/L	0.259420	0.3	320620
Ti 336.122	2491.26	ug/L	10.9847	0.4	819964
Tl 190.794	6.64225	ug/L	0.488625	7.4	14.8848
V 292.401	228.427	ug/L	0.897575	0.4	13056.9
Zn 202.548	1808.66	ug/L	11.3839	0.6	93656.3
Zr 339.198	44.1916	ug/L	3.47196	7.9	3044.79

360-37832-A-1-B DU (Samp) **12/1/2011, 1:22:11 PM** **Rack 1, Tube 37**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-4.39376	ug/L	0.524531	11.9	7.43237
Al 237.312	109623	ug/L	367.110	0.3	422340
As 188.980	12.9797	ug/L	2.08008	16.0	26.7979
B 249.678	55.1382	ug/L	0.116897	0.2	2126.90
Ba 493.408	732.099	ug/L	0.562354	0.1	1927990
Be 313.042	3.92125	ug/L	0.003093	0.1	17721.9
Ca 373.690	14381.5	ug/L	23.3331	0.2	145333
Cd 214.439	0.801088	ug/L	0.002288	0.3	284.972
Co 228.615	50.3387	ug/L	0.227758	0.5	934.349
Cr 267.716	171.192	ug/L	0.505158	0.3	12088.2
Cu 327.395	822.703	ug/L	1.18949	0.1	61613.7
Fe 273.955	147759	ug/L	492.124	0.3	2710823
K 404.721	10502.5	ug/L	81.5383	0.8	292.196
Li 610.365	131.022	ug/L	0.658370	0.5	16608.3
Mg 279.078	27932.6	ug/L	76.1410	0.3	216152
Mn 257.610	2455.58	ug/L	1.95766	0.1	1033831
Mo 202.032	5.24171	ug/L	1.03580	19.8	89.9520
Na 330.237	-30.8634uv	ug/L	19.7631	64.0	-28.0000
Ni 216.555	1500.63	ug/L	4.45360	0.3	21340.8
Pb 220.353	88.9693	ug/L	0.759323	0.9	740.599
Sb 217.582	22.6211	ug/L	2.60536	11.5	61.8394
Se 196.026	-1.27628uv	ug/L	1.15806	90.7	3.54483
Si 251.611	2572.42	ug/L	26.9127	1.0	17959.1
Si 288.158	2619.13	ug/L	13.9997	0.5	41394.8
Sn 189.925	14.0338	ug/L	0.334651	2.4	50.9371
Sr 421.552	79.0740	ug/L	0.105538	0.1	251780
Ti 336.122	3251.87	ug/L	1.33342	0.0	1070282
Tl 190.794	1.42284	ug/L	0.743778	52.3	6.33446
V 292.401	249.478	ug/L	0.579261	0.2	14288.9
Zn 202.548	1234.17	ug/L	22.2109	1.8	63926.9
Zr 339.198	16.2003	ug/L	2.02446	12.5	1117.93

360-37832-A-1-C MS (Samp) **12/1/2011, 1:25:08 PM** **Rack 1, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	883.279	ug/L	0.530848	0.1	10294.5
Al 237.312	147360	ug/L	523.900	0.4	562569
As 188.980	921.240	ug/L	0.506895	0.1	1690.10
B 249.678	864.786	ug/L	8.41208	1.0	29725.8
Ba 493.408	1679.81	ug/L	1.42095	0.1	4423476
Be 313.042	924.877	ug/L	1.31374	0.1	4080793
Ca 373.690	34064.9	ug/L	91.4156	0.3	312056
Cd 214.439	898.164	ug/L	1.98585	0.2	62242.5
Co 228.615	948.048	ug/L	1.73225	0.2	13798.2
Cr 267.716	1047.16	ug/L	3.32570	0.3	73692.8
Cu 327.395	1638.63	ug/L	1.10261	0.1	122564
Fe 273.955	179987	ug/L	621.304	0.3	3283688
K 404.721	32525.6	ug/L	226.009	0.7	888.813
Li 610.365	4429.12	ug/L	7.71016	0.2	559601
Mg 279.078	52747.8	ug/L	93.8905	0.2	392597
Mn 257.610	4948.21	ug/L	7.70222	0.2	2083101
Mo 202.032	892.398	ug/L	13.0431	1.5	10786.3
Na 330.237	18199.5	ug/L	15.9624	0.1	4928.01
Ni 216.555	1685.65	ug/L	2.98173	0.2	24062.7
Pb 220.353	1253.32	ug/L	3.76729	0.3	10310.5
Sb 217.582	444.720	ug/L	1.20783	0.3	1068.19
Se 196.026	874.927	ug/L	5.84511	0.7	828.531
Si 251.611	2911.05	ug/L	37.7912	1.3	20791.2
Si 288.158	3011.83	ug/L	16.7056	0.6	47696.7
Sn 189.925	872.013	ug/L	3.35440	0.4	2475.87
Sr 421.552	964.705	ug/L	0.529553	0.1	3054004
Ti 336.122	5189.39	ug/L	7.59311	0.1	1707928
Tl 190.794	831.696	ug/L	5.18004	0.6	1386.32
V 292.401	1176.86	ug/L	3.68598	0.3	66410.3
Zn 202.548	1777.06	ug/L	12.0940	0.7	92187.2
Zr 339.198	489.073	ug/L	16.2332	3.3	33665.6

360-37832-A-1-A sd (Samp) **12/1/2011, 1:28:04 PM** **Rack 1, Tube 39**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.821865	ug/L	0.771930	93.9	5.11938
Al 237.312	20487.8	ug/L	105.061	0.5	90643.7
As 188.980	4.61600	ug/L	1.62573	35.2	11.4007
B 249.678	25.7543	ug/L	1.93391	7.5	1018.39
Ba 493.408	202.451	ug/L	1.00255	0.5	533332
Be 313.042	0.794746	ug/L	0.011856	1.5	3687.50
Ca 373.690	3736.67	ug/L	17.1178	0.5	36574.4
Cd 214.439	0.429304	ug/L	0.011238	2.6	70.7896
Co 228.615	10.1159	ug/L	0.227246	2.2	198.805
Cr 267.716	42.8358	ug/L	0.230228	0.5	3061.23
Cu 327.395	314.483	ug/L	1.28977	0.4	23664.2
Fe 273.955	20272.0	ug/L	117.753	0.6	441708
K 404.721	1451.06	ug/L	214.198	14.8	50.3501
Li 610.365	17.7998	ug/L	0.109232	0.6	2300.70
Mg 279.078	4133.55	ug/L	17.3303	0.4	33183.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	696.281	ug/L	2.90952	0.4	293112
Mo 202.032	10.3627	ug/L	0.880380	8.5	151.665
Na 330.237	-35.6995uv	ug/L	14.3593	40.2	2.21582
Ni 216.555	665.070	ug/L	1.01133	0.2	9390.52
Pb 220.353	46.5148	ug/L	0.908780	2.0	398.635
Sb 217.582	3.25107	ug/L	0.282528	8.7	15.7885
Se 196.026	0.558355uv	ug/L	1.87803	336.4	4.63449
Si 251.611	576.856	ug/L	8.87483	1.5	4027.75
Si 288.158	577.468	ug/L	11.3920	2.0	9525.00
Sn 189.925	4.71561	ug/L	0.122806	2.6	24.2103
Sr 421.552	21.3183	ug/L	0.085370	0.4	67873.7
Ti 336.122	527.754	ug/L	3.86993	0.7	173766
Tl 190.794	3.63268	ug/L	0.379065	10.4	9.01164
V 292.401	46.7633	ug/L	0.115753	0.2	2708.55
Zn 202.548	380.992	ug/L	1.57049	0.4	19761.6
Zr 339.198	34.4860	ug/L	2.09026	6.1	2377.13

360-37832-A-1-A pds (Samp) **12/1/2011, 1:31:00 PM** **Rack 1, Tube 40**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	860.779	ug/L	5.14966	0.6	10065.1
Al 237.312	113644	ug/L	861.002	0.8	437287
As 188.980	949.628	ug/L	4.18520	0.4	1742.10
B 249.678	939.242	ug/L	14.4236	1.5	32286.3
Ba 493.408	1713.73	ug/L	9.96018	0.6	4512793
Be 313.042	937.888	ug/L	8.80060	0.9	4138123
Ca 373.690	37749.3	ug/L	342.085	0.9	333266
Cd 214.439	926.236	ug/L	6.03190	0.7	64076.0
Co 228.615	967.494	ug/L	6.57885	0.7	13978.8
Cr 267.716	1103.29	ug/L	9.27266	0.8	77640.0
Cu 327.395	2341.69	ug/L	11.8843	0.5	175060
Fe 273.955	109967	ug/L	882.348	0.8	2039082
K 404.721	25274.1	ug/L	158.534	0.6	685.452
Li 610.365	4616.89	ug/L	32.8694	0.7	583320
Mg 279.078	38741.0	ug/L	291.320	0.8	294733
Mn 257.610	3938.19	ug/L	26.1030	0.7	1657869
Mo 202.032	955.681	ug/L	17.2096	1.8	11549.3
Na 330.237	18428.2	ug/L	74.8829	0.4	4958.29
Ni 216.555	3917.80	ug/L	19.8898	0.5	55286.5
Pb 220.353	1118.10	ug/L	7.72086	0.7	9202.73
Sb 217.582	944.541	ug/L	8.73418	0.9	2256.31
Se 196.026	941.792	ug/L	6.31101	0.7	890.928
Si 251.611	3574.45	ug/L	10.1512	0.3	24746.2
Si 288.158	3548.37	ug/L	33.6906	0.9	56274.8
Sn 189.925	932.258	ug/L	3.73026	0.4	2645.91
Sr 421.552	994.913	ug/L	7.77166	0.8	3149644
Ti 336.122	3297.14	ug/L	24.3496	0.7	1085183
Tl 190.794	888.364	ug/L	6.90797	0.8	1479.97
V 292.401	1146.88	ug/L	10.0723	0.9	64607.5
Zn 202.548	2653.56	ug/L	15.5923	0.6	137398
Zr 339.198	986.796	ug/L	19.6652	2.0	67924.6

360-37832-A-2-A (Samp) **12/1/2011, 1:33:56 PM** **Rack 1, Tube 41**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-7.03093uv	ug/L	0.487005	6.9	-2.18970
Al 237.312	183787	ug/L	1238.18	0.7	697920
As 188.980	25.1199	ug/L	0.292476	1.2	49.0749
B 249.678	154.919	ug/L	0.885027	0.6	5631.56
Ba 493.408	1030.42	ug/L	6.10121	0.6	2713534
Be 313.042	7.64905	ug/L	0.038266	0.5	34811.2
Ca 373.690	192129	ug/L	1408.17	0.7	1389230
Cd 214.439	-1.78736	ug/L	0.048697	2.7	402.019
Co 228.615	112.268	ug/L	0.896065	0.8	2035.27
Cr 267.716	249.643	ug/L	1.59540	0.6	17605.5
Cu 327.395	306.719	ug/L	1.35856	0.4	23088.3
Fe 273.955	345294	ug/L	2986.73	0.9	6222019
K 404.721	37880.7	ug/L	0.784447	0.0	1047.57
Li 610.365	244.983	ug/L	0.509819	0.2	31012.0
Mg 279.078	94792.0	ug/L	417.066	0.4	658510
Mn 257.610	8529.93	ug/L	55.7019	0.7	3590857
Mo 202.032	12.1770	ug/L	0.515667	4.2	173.901
Na 330.237	420.000	ug/L	1.99352	0.5	91.5479
Ni 216.555	236.509	ug/L	0.962216	0.4	3929.21
Pb 220.353	98.4000	ug/L	1.42339	1.4	807.238
Sb 217.582	-1.82394uv	ug/L	1.30290	71.4	3.74011
Se 196.026	-8.63086uv	ug/L	1.14216	13.2	0.955048
Si 251.611	4624.85	ug/L	74.4247	1.6	32441.7
Si 288.158	4679.04	ug/L	9.16960	0.2	73531.5
Sn 189.925	13.2272	ug/L	0.642804	4.9	49.6114
Sr 421.552	242.598	ug/L	1.51370	0.6	781681
Ti 336.122	6649.11	ug/L	62.2955	0.9	2188331
Tl 190.794	5.68448	ug/L	2.44950	43.1	15.0282
V 292.401	468.831	ug/L	2.75545	0.6	27068.7
Zn 202.548	1331.56	ug/L	4.56132	0.3	68936.4
Zr 339.198	74.9148	ug/L	0.815375	1.1	5157.89

360-37832-A-3-A (Samp) **12/1/2011, 1:36:52 PM** **Rack 1, Tube 42**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-3.24134	ug/L	0.110590	3.4	4.97339
Al 237.312	176051	ug/L	514.177	0.3	669175
As 188.980	34.4736	ug/L	1.23396	3.6	66.1212
B 249.678	36.9843	ug/L	1.08087	2.9	1608.72
Ba 493.408	911.515	ug/L	2.91660	0.3	2400422
Be 313.042	5.31638	ug/L	0.008536	0.2	23878.7
Ca 373.690	12510.8	ug/L	42.7807	0.3	138364
Cd 214.439	-1.00520	ug/L	0.011536	1.1	266.445
Co 228.615	42.7724	ug/L	0.234059	0.5	885.912
Cr 267.716	134.446	ug/L	0.528744	0.4	9503.97
Cu 327.395	216.427	ug/L	1.05282	0.5	16344.0
Fe 273.955	219750	ug/L	607.195	0.3	3990465
K 404.721	8961.53	ug/L	506.503	5.7	256.547
Li 610.365	113.400	ug/L	0.785838	0.7	14382.4
Mg 279.078	23968.4	ug/L	61.3236	0.3	186706

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	4132.82	ug/L	9.40093	0.2	1739507
Mo 202.032	6.68579	ug/L	0.364015	5.4	107.363
Na 330.237	9.84309uv	ug/L	15.5028	157.5	7.61133
Ni 216.555	134.071	ug/L	0.668383	0.5	2277.64
Pb 220.353	464.453	ug/L	0.262381	0.1	3823.33
Sb 217.582	-1.78867uv	ug/L	0.115989	6.5	3.81824
Se 196.026	1.24300	ug/L	1.79811	144.7	6.94833
Si 251.611	4548.93	ug/L	41.5860	0.9	31204.2
Si 288.158	4548.32	ug/L	40.6466	0.9	71491.5
Sn 189.925	27.7411	ug/L	0.201803	0.7	89.6087
Sr 421.552	86.9293	ug/L	0.004078	0.0	276689
Ti 336.122	3932.01	ug/L	22.6823	0.6	1294120
Tl 190.794	0.867365	ug/L	0.771504	88.9	5.39255
V 292.401	253.534	ug/L	0.946808	0.4	14589.6
Zn 202.548	569.752	ug/L	1.20887	0.2	29646.0
Zr 339.198	91.9245	ug/L	1.30946	1.4	6330.18

CCV (CCV) **12/1/2011, 1:39:49 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	990.562	ug/L	2.37565	0.2	11487.1	99.05617
Al 237.312	5104.02	ug/L	6.70785	0.1	24481.5	102.08030
As 188.980	1006.99	ug/L	0.732959	0.1	1847.04	100.69862
B 249.678	972.677	ug/L	14.1209	1.5	33289.1	97.26768
Ba 493.408	989.278	ug/L	0.799509	0.1	2605188	98.92784
Be 313.042	990.724	ug/L	2.67522	0.3	4370986	99.07245
Ca 373.690	20186.7	ug/L	32.6830	0.2	176481	100.93326
Cd 214.439	1008.35	ug/L	2.14053	0.2	69581.9	100.83543
Co 228.615	999.207	ug/L	2.61661	0.3	14287.7	99.92066
Cr 267.716	997.580	ug/L	2.78574	0.3	70206.0	99.75803
Cu 327.395	992.426	ug/L	9.98663	1.0	74313.4	99.24262
Fe 273.955	5113.83	ug/L	10.3646	0.2	121960	102.27664
K 404.721	20334.6	ug/L	163.730	0.8	544.235	101.67295
Li 610.365	5014.97	ug/L	15.3661	0.3	633608	100.29949
Mg 279.078	20363.8	ug/L	37.0582	0.2	159295	101.81916
Mn 257.610	994.323	ug/L	1.93419	0.2	418824	99.43227
Mo 202.032	1002.51	ug/L	14.9314	1.5	12113.9	100.25102
Na 330.237	20311.6	ug/L	35.2683	0.2	5533.06	101.55795
Ni 216.555	991.112	ug/L	0.669041	0.1	14013.9	99.11123
Pb 220.353	1004.85	ug/L	3.55975	0.4	8277.70	100.48480
Sb 217.582	994.467	ug/L	3.77485	0.4	2375.25	99.44671
Se 196.026	1004.26	ug/L	6.61333	0.7	947.605	100.42634
Si 251.611	1006.23	ug/L	11.0560	1.1	7156.43	100.62286
Si 288.158	1002.62	ug/L	9.44689	0.9	16567.3	100.26194
Sn 189.925	1001.16	ug/L	7.06943	0.7	2840.31	100.11552
Sr 421.552	987.967	ug/L	0.895579	0.1	3125951	98.79674
Ti 336.122	1000.12	ug/L	7.33140	0.7	329223	100.01198
Tl 190.794	997.468	ug/L	1.57770	0.2	1659.81	99.74684
V 292.401	994.930	ug/L	2.55226	0.3	55895.4	99.49300
Zn 202.548	1005.04	ug/L	6.74155	0.7	52066.7	100.50358
Zr 339.198	1015.55	ug/L	31.9044	3.1	69904.2	101.55505

CCB (CCB) **12/1/2011, 1:42:45 PM** **Rack 4, Tube 4**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.438836uv	ug/L	0.258919	59.0	-6.07446	-0.43884
Al 237.312	5.81267	ug/L	1.65761	28.5	41.5863	5.81267
As 188.980	2.56253	ug/L	0.312385	12.2	7.61305	2.56253
B 249.678	19.1179	ug/L	3.31693	17.3	761.786	19.11791
Ba 493.408	0.202242	ug/L	0.049356	24.4	775.172	0.20224
Be 313.042	0.076107	ug/L	0.014555	19.1	463.169	0.07611
Ca 373.690	2.51144	ug/L	1.13050	45.0	88.5449	2.51144
Cd 214.439	0.107014	ug/L	0.041275	38.6	11.8245	0.10701
Co 228.615	0.742746	ug/L	0.269899	36.3	32.6125	0.74275
Cr 267.716	0.384529	ug/L	0.058837	15.3	75.7494	0.38453
Cu 327.395	0.242719	ug/L	0.043003	17.7	200.020	0.24272
Fe 273.955	6.63571	ug/L	0.719160	10.8	223.112	6.63571
K 404.721	862.529	ug/L	91.2277	10.6	33.6162	862.52942
Li 610.365	-0.372879uv	ug/L	0.017360	4.7	4.16016	-0.37288
Mg 279.078	0.924974	ug/L	0.110562	12.0	46.6121	0.92497
Mn 257.610	0.141343	ug/L	0.017541	12.4	110.423	0.14134
Mo 202.032	11.6507	ug/L	0.909041	7.8	167.184	11.65065
Na 330.237	-37.8316uv	ug/L	2.35022	6.2	15.6890	-37.83158
Ni 216.555	0.163766	ug/L	0.237548	145.1	12.1758	0.16377
Pb 220.353	-0.612360uv	ug/L	0.619021	101.1	12.5918	-0.61236
Sb 217.582	-0.067383uv	ug/L	0.592219	878.9	7.89795	-0.06738
Se 196.026	2.95876	ug/L	0.220518	7.5	6.41281	2.95876
Si 251.611	2.11101	ug/L	2.30879	109.4	85.5599	2.11101
Si 288.158	2.17168	ug/L	0.822159	37.9	545.820	2.17168
Sn 189.925	1.02269	ug/L	0.383683	37.5	13.7030	1.02269
Sr 421.552	0.109571	ug/L	0.026244	24.0	406.547	0.10957
Ti 336.122	1.06979	ug/L	0.053587	5.0	431.583	1.06979
Tl 190.794	2.12359	ug/L	1.76578	83.2	6.28415	2.12359
V 292.401	0.236185	ug/L	0.170956	72.4	55.7112	0.23619
Zn 202.548	0.158058	ug/L	0.001931	1.2	47.6247	0.15806
Zr 339.198	0.779848	ug/L	0.059447	7.6	57.2117	0.77985

360-37832-A-4-A (Samp) **12/1/2011, 1:45:41 PM** **Rack 1, Tube 43**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-3.24208uv	ug/L	0.196367	6.1	-2.91992
Al 237.312	102810	ug/L	223.164	0.2	397025
As 188.980	22.2007	ug/L	0.377783	1.7	43.6380
B 249.678	40.9276	ug/L	0.613097	1.5	1673.54
Ba 493.408	176.408	ug/L	0.233757	0.1	464757
Be 313.042	3.56319	ug/L	0.005987	0.2	16090.6
Ca 373.690	3344.41	ug/L	8.70867	0.3	51029.7
Cd 214.439	-1.09374	ug/L	0.038136	3.5	169.968
Co 228.615	47.9033	ug/L	0.201809	0.4	917.093
Cr 267.716	110.935	ug/L	0.165631	0.1	7850.46
Cu 327.395	74.1850	ug/L	0.032849	0.0	5723.05
Fe 273.955	158657	ug/L	266.723	0.2	2904535
K 404.721	11534.5	ug/L	462.497	4.0	318.908
Li 610.365	79.5904	ug/L	0.220259	0.3	10111.0
Mg 279.078	25503.6	ug/L	29.4361	0.1	198117

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1203.80	ug/L	2.15576	0.2	507061
Mo 202.032	4.20218	ug/L	0.501717	11.9	77.3938
Na 330.237	-5.13428uv	ug/L	24.9341	485.6	16.5928
Ni 216.555	88.6681	ug/L	0.240106	0.3	1535.00
Pb 220.353	36.4432	ug/L	0.159853	0.4	308.203
Sb 217.582	-0.334241uv	ug/L	0.082943	24.8	7.27100
Se 196.026	-2.83181uv	ug/L	1.50235	53.1	0.741272
Si 251.611	3178.61	ug/L	23.9943	0.8	22082.2
Si 288.158	3210.44	ug/L	22.3564	0.7	50613.4
Sn 189.925	16.4383	ug/L	1.07789	6.6	57.6929
Sr 421.552	30.4073	ug/L	0.000731	0.0	96961.4
Ti 336.122	3695.29	ug/L	9.40973	0.3	1216215
Tl 190.794	-0.959883uv	ug/L	0.671830	70.0	2.20532
V 292.401	208.534	ug/L	0.177877	0.1	12003.8
Zn 202.548	214.004	ug/L	0.362174	0.2	11251.5
Zr 339.198	47.6320	ug/L	1.75816	3.7	3281.46

360-37832-A-5-A (Samp) **12/1/2011, 1:48:37 PM** **Rack 1, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-11.4932uv	ug/L	1.11253	9.7	-5.57739
Al 237.312	174592	ug/L	553.698	0.3	663752
As 188.980	26.8262	ug/L	0.112194	0.4	52.2611
B 249.678	147.252	ug/L	2.52649	1.7	5326.82
Ba 493.408	1314.81	ug/L	26.5980	2.0	3462376
Be 313.042	7.75721	ug/L	0.041752	0.5	35000.3
Ca 373.690	21629.1	ug/L	73.6979	0.3	231864
Cd 214.439	-0.010022	ug/L	0.033408	333.3	536.943
Co 228.615	158.843	ug/L	0.760904	0.5	2726.99
Cr 267.716	342.510	ug/L	0.703978	0.2	24136.5
Cu 327.395	284.738	ug/L	0.747546	0.3	21448.4
Fe 273.955	356441	ug/L	1816.03	0.5	6420155
K 404.721	39751.5	ug/L	7.23127	0.0	1101.55
Li 610.365	262.234	ug/L	0.868756	0.3	33191.4
Mg 279.078	87920.2	ug/L	436.882	0.5	617933
Mn 257.610	6808.92	ug/L	20.7720	0.3	2866592
Mo 202.032	6.56491	ug/L	0.636020	9.7	105.931
Na 330.237	246.569	ug/L	0.650168	0.3	30.0474
Ni 216.555	4918.87	ug/L	11.8654	0.2	69692.6
Pb 220.353	100.603	ug/L	0.630004	0.6	824.733
Sb 217.582	-1.51096uv	ug/L	1.16948	77.4	4.49023
Se 196.026	-6.57713uv	ug/L	4.61984	70.2	1.07593
Si 251.611	3626.36	ug/L	53.2902	1.5	25937.5
Si 288.158	3769.92	ug/L	34.4880	0.9	59344.1
Sn 189.925	15.8822	ug/L	0.345662	2.2	57.0268
Sr 421.552	129.613	ug/L	0.241342	0.2	412822
Ti 336.122	7006.46	ug/L	5.49872	0.1	2305936
Tl 190.794	3.10563	ug/L	2.09761	67.5	10.5535
V 292.401	463.612	ug/L	1.59034	0.3	26601.4
Zn 202.548	1711.66	ug/L	5.89897	0.3	88448.9
Zr 339.198	79.7728	ug/L	0.422197	0.5	5492.41

360-37832-A-6-A (Samp) **12/1/2011, 1:51:33 PM** **Rack 1, Tube 45**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-4.82456uv	ug/L	0.694434	14.4	-0.329834
Al 237.312	147748	ug/L	618.774	0.4	564006
As 188.980	22.4082	ug/L	1.11655	5.0	44.0533
B 249.678	29.4128	ug/L	0.511408	1.7	1344.46
Ba 493.408	484.991	ug/L	1.31378	0.3	1277310
Be 313.042	3.69167	ug/L	0.003238	0.1	16646.1
Ca 373.690	4112.53	ug/L	8.26051	0.2	57984.9
Cd 214.439	12.9771	ug/L	0.089568	0.7	1142.94
Co 228.615	43.8537	ug/L	0.048696	0.1	858.839
Cr 267.716	163.651	ug/L	0.676389	0.4	11557.8
Cu 327.395	153.623	ug/L	0.265866	0.2	11654.5
Fe 273.955	160178	ug/L	425.203	0.3	2931566
K 404.721	8124.93	ug/L	181.052	2.2	230.573
Li 610.365	166.400	ug/L	0.098088	0.1	21077.4
Mg 279.078	19282.7	ug/L	40.5109	0.2	151264
Mn 257.610	1243.07	ug/L	2.56758	0.2	523474
Mo 202.032	4.68532	ug/L	0.467747	10.0	83.2203
Na 330.237	53.9763uv	ug/L	9.86636	18.3	-28.0205
Ni 216.555	1267.87	ug/L	3.28073	0.3	18094.6
Pb 220.353	52.0966	ug/L	0.246165	0.5	436.799
Sb 217.582	-0.072256uv	ug/L	0.013364	18.5	7.94141
Se 196.026	0.170777uv	ug/L	1.21326	710.4	3.58759
Si 251.611	4421.36	ug/L	4.98186	0.1	30263.0
Si 288.158	4356.01	ug/L	18.3157	0.4	68491.0
Sn 189.925	17.0412	ug/L	0.127389	0.7	59.2957
Sr 421.552	33.0210	ug/L	0.105746	0.3	105280
Ti 336.122	3569.45	ug/L	12.9175	0.4	1174801
Tl 190.794	-0.966660uv	ug/L	0.666450	68.9	2.22226
V 292.401	216.240	ug/L	0.483212	0.2	12432.0
Zn 202.548	1868.68	ug/L	13.0785	0.7	96215.4
Zr 339.198	71.3731	ug/L	1.71945	2.4	4915.73

360-37832-A-7-A (Samp) **12/1/2011, 1:54:29 PM** **Rack 1, Tube 46**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-2.78422	ug/L	0.326697	11.7	14.0945
Al 237.312	186352	ug/L	287.527	0.2	707452
As 188.980	52.3065	ug/L	1.23134	2.4	98.7760
B 249.678	31.5429	ug/L	0.233816	0.7	1542.88
Ba 493.408	753.311	ug/L	2.07398	0.3	1983844
Be 313.042	5.38764	ug/L	0.000743	0.0	24202.2
Ca 373.690	7001.99	ug/L	21.0578	0.3	91429.3
Cd 214.439	-1.02080	ug/L	0.019625	1.9	271.610
Co 228.615	40.6735	ug/L	0.092205	0.2	867.004
Cr 267.716	147.847	ug/L	0.169817	0.1	10446.4
Cu 327.395	234.553	ug/L	0.656860	0.3	17697.4
Fe 273.955	224154	ug/L	27.6987	0.0	4068736
K 404.721	10758.6	ug/L	459.178	4.3	303.445
Li 610.365	105.298	ug/L	0.238536	0.2	13359.3
Mg 279.078	26684.6	ug/L	3.49272	0.0	206981

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3814.74	ug/L	5.45781	0.1	1605715
Mo 202.032	5.16395	ug/L	0.390690	7.6	89.0011
Na 330.237	99.8102uv	ug/L	9.38569	9.4	19.6914
Ni 216.555	128.023	ug/L	0.161197	0.1	2201.60
Pb 220.353	852.609	ug/L	0.532531	0.1	7013.96
Sb 217.582	0.704960uv	ug/L	1.43755	203.9	9.74548
Se 196.026	1.39897	ug/L	3.53532	252.7	6.74350
Si 251.611	6948.20	ug/L	144.906	2.1	47134.1
Si 288.158	6826.95	ug/L	117.182	1.7	107052
Sn 189.925	54.0755	ug/L	0.312583	0.6	164.071
Sr 421.552	80.1835	ug/L	0.164396	0.2	254876
Ti 336.122	4190.44	ug/L	34.7601	0.8	1379172
Tl 190.794	2.49989	ug/L	0.543033	21.7	8.12183
V 292.401	272.770	ug/L	0.021493	0.0	15673.7
Zn 202.548	908.944	ug/L	7.31871	0.8	47068.5
Zr 339.198	50.3164	ug/L	4.30524	8.6	3466.20

360-37832-A-8-A (Samp) **12/1/2011, 1:57:25 PM** **Rack 1, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-8.37458uv	ug/L	0.152638	1.8	-12.8362
Al 237.312	191640	ug/L	58.1706	0.0	727100
As 188.980	27.8789	ug/L	0.897137	3.2	54.1352
B 249.678	124.285	ug/L	0.690059	0.6	4485.84
Ba 493.408	1293.40	ug/L	1.27999	0.1	3405999
Be 313.042	7.10932	ug/L	0.004246	0.1	32039.6
Ca 373.690	12126.7	ug/L	1.31754	0.0	148740
Cd 214.439	-0.788105	ug/L	0.059418	7.5	442.554
Co 228.615	96.2496	ug/L	0.678088	0.7	1779.78
Cr 267.716	263.537	ug/L	0.045662	0.0	18582.6
Cu 327.395	754.789	ug/L	2.16832	0.3	56544.5
Fe 273.955	328971	ug/L	23.6439	0.0	5931862
K 404.721	39914.0	ug/L	147.327	0.4	1104.35
Li 610.365	229.862	ug/L	0.366835	0.2	29100.2
Mg 279.078	75104.5	ug/L	74.0308	0.1	539243
Mn 257.610	3754.98	ug/L	1.80367	0.0	1581362
Mo 202.032	4.13523	ug/L	0.157802	3.8	76.6146
Na 330.237	737.315	ug/L	84.1600	11.4	202.541
Ni 216.555	331.096	ug/L	0.345440	0.1	5229.81
Pb 220.353	92.4975	ug/L	0.005708	0.0	759.612
Sb 217.582	-2.03833uv	ug/L	0.267929	13.1	3.23279
Se 196.026	-4.62570uv	ug/L	0.667345	14.4	0.099670
Si 251.611	2550.72	ug/L	15.1003	0.6	18580.1
Si 288.158	2704.63	ug/L	6.86736	0.3	42719.1
Sn 189.925	14.7324	ug/L	0.277952	1.9	53.6079
Sr 421.552	99.2786	ug/L	0.062073	0.1	316018
Ti 336.122	6090.68	ug/L	12.3602	0.2	2004547
Tl 190.794	-0.818953uv	ug/L	1.27353	155.5	3.41898
V 292.401	391.842	ug/L	0.066485	0.0	22506.8
Zn 202.548	660.320	ug/L	6.66512	1.0	34661.1
Zr 339.198	47.9505	ug/L	2.51067	5.2	3302.30

360-37832-A-9-A (Samp) **12/1/2011, 2:00:21 PM** **Rack 1, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-2.35644	ug/L	0.027625	1.2	4.85742
Al 237.312	103576	ug/L	207.779	0.2	399871
As 188.980	21.4922	ug/L	0.680574	3.2	42.3361
B 249.678	34.4719	ug/L	0.080852	0.2	1461.28
Ba 493.408	177.114	ug/L	0.035390	0.0	466616
Be 313.042	3.44338	ug/L	0.009685	0.3	15552.9
Ca 373.690	3522.93	ug/L	12.4634	0.4	51805.9
Cd 214.439	-1.25268	ug/L	0.028692	2.3	149.896
Co 228.615	46.3692	ug/L	0.072851	0.2	892.624
Cr 267.716	103.691	ug/L	0.097797	0.1	7341.01
Cu 327.395	79.8915	ug/L	0.379162	0.5	6149.09
Fe 273.955	152470	ug/L	565.100	0.4	2794554
K 404.721	12824.4	ug/L	125.037	1.0	352.405
Li 610.365	78.2814	ug/L	0.215274	0.3	9945.68
Mg 279.078	25312.8	ug/L	66.7940	0.3	196687
Mn 257.610	1178.04	ug/L	2.34920	0.2	496220
Mo 202.032	1.82027	ug/L	0.697954	38.3	48.6753
Na 330.237	-22.1546uv	ug/L	27.2615	123.1	11.7979
Ni 216.555	81.4628	ug/L	0.197730	0.2	1423.25
Pb 220.353	33.3843	ug/L	0.857205	2.6	283.397
Sb 217.582	-0.600070uv	ug/L	2.21069	368.4	6.63818
Se 196.026	-1.40761uv	ug/L	3.13620	222.8	2.10690
Si 251.611	3322.40	ug/L	27.0216	0.8	23039.3
Si 288.158	3371.16	ug/L	19.1687	0.6	53121.3
Sn 189.925	17.8269	ug/L	0.213059	1.2	61.6140
Sr 421.552	29.6041	ug/L	0.051155	0.2	94405.9
Ti 336.122	3719.11	ug/L	14.5406	0.4	1224052
Tl 190.794	-0.258414uv	ug/L	1.40440	543.5	3.31404
V 292.401	195.429	ug/L	0.843940	0.4	11266.3
Zn 202.548	218.464	ug/L	1.57781	0.7	11475.5
Zr 339.198	39.4280	ug/L	0.560468	1.4	2716.77

360-37832-A-10-A (Samp) **12/1/2011, 2:03:16 PM** **Rack 1, Tube 49**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-9.87199uv	ug/L	0.322327	3.3	-6.55615
Al 237.312	181676	ug/L	1124.09	0.6	690076
As 188.980	24.5164	ug/L	0.779401	3.2	48.0325
B 249.678	150.680	ug/L	3.06688	2.0	5414.89
Ba 493.408	758.862	ug/L	3.19605	0.4	1998460
Be 313.042	8.35283	ug/L	0.056103	0.7	37639.0
Ca 373.690	15859.9	ug/L	140.720	0.9	183842
Cd 214.439	-2.26762	ug/L	0.076560	3.4	382.135
Co 228.615	124.814	ug/L	0.353683	0.3	2242.40
Cr 267.716	342.439	ug/L	2.47938	0.7	24131.6
Cu 327.395	157.520	ug/L	1.33013	0.8	11948.3
Fe 273.955	357142	ug/L	1788.56	0.5	6432610
K 404.721	40735.2	ug/L	609.073	1.5	1128.41
Li 610.365	295.669	ug/L	2.13794	0.7	37416.0
Mg 279.078	98245.8	ug/L	806.853	0.8	678497

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	4736.48	ug/L	29.7810	0.6	1994691
Mo 202.032	4.94064	ug/L	0.426671	8.6	86.3322
Na 330.237	605.536	ug/L	10.0865	1.7	169.045
Ni 216.555	255.249	ug/L	1.23627	0.5	4212.67
Pb 220.353	94.6666	ug/L	1.70143	1.8	775.889
Sb 217.582	-2.03907uv	ug/L	0.035806	1.8	3.22839
Se 196.026	-5.93383uv	ug/L	1.16960	19.7	-0.396790
Si 251.611	3083.62	ug/L	2.43810	0.1	22433.8
Si 288.158	3285.88	ug/L	3.03093	0.1	51790.3
Sn 189.925	16.6455	ug/L	1.18331	7.1	59.3142
Sr 421.552	103.359	ug/L	0.736589	0.7	329218
Ti 336.122	7315.06	ug/L	55.3518	0.8	2407495
Tl 190.794	2.47970	ug/L	0.484420	19.5	9.32294
V 292.401	470.280	ug/L	3.58413	0.8	26979.3
Zn 202.548	597.284	ug/L	2.27186	0.4	31197.9
Zr 339.198	71.6318	ug/L	1.83543	2.6	4931.86

360-37839-B-1-A (Samp) **12/1/2011, 2:07:19 PM** **Rack 1, Tube 50**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-3.35960uv	ug/L	0.074623	2.2	-3.14453
Al 237.312	154151	ug/L	1045.82	0.7	587797
As 188.980	43.1293	ug/L	0.538250	1.2	81.9530
B 249.678	12.4359	ug/L	0.006323	0.1	735.607
Ba 493.408	149.012	ug/L	0.874367	0.6	392617
Be 313.042	4.38943	ug/L	0.033072	0.8	19763.8
Ca 373.690	4510.21	ug/L	44.2391	1.0	65009.4
Cd 214.439	-1.09705	ug/L	0.091168	8.3	212.546
Co 228.615	33.2406	ug/L	0.372352	1.1	738.079
Cr 267.716	113.823	ug/L	0.805524	0.7	8053.56
Cu 327.395	48.6676	ug/L	0.191232	0.4	3817.36
Fe 273.955	187638	ug/L	1201.22	0.6	3419665
K 404.721	7179.42	ug/L	340.775	4.7	207.099
Li 610.365	77.5122	ug/L	0.059909	0.1	9848.85
Mg 279.078	25300.9	ug/L	141.595	0.6	196636
Mn 257.610	1671.83	ug/L	9.58711	0.6	703994
Mo 202.032	3.05608	ug/L	0.195037	6.4	63.5795
Na 330.237	2.93209uv	ug/L	15.6445	533.6	15.6475
Ni 216.555	72.1135	ug/L	0.578241	0.8	1353.63
Pb 220.353	58.9075	ug/L	1.04064	1.8	491.273
Sb 217.582	1.64698uv	ug/L	3.44350	209.1	11.9817
Se 196.026	2.27042	ug/L	1.75555	77.3	5.74466
Si 251.611	3786.82	ug/L	10.6508	0.3	26214.9
Si 288.158	3827.89	ug/L	5.49786	0.1	60249.7
Sn 189.925	11.9979	ug/L	0.879191	7.3	45.1417
Sr 421.552	64.7880	ug/L	0.376524	0.6	205868
Ti 336.122	4109.76	ug/L	20.3348	0.5	1352619
Tl 190.794	-1.26145uv	ug/L	0.784995	62.2	1.74562
V 292.401	244.011	ug/L	1.60056	0.7	14031.0
Zn 202.548	298.602	ug/L	1.91168	0.6	15617.2
Zr 339.198	119.957	ug/L	0.246434	0.2	8259.68

360-37839-B-2-A (Samp) **12/1/2011, 2:10:17 PM** **Rack 1, Tube 51**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-1.02943	ug/L	0.329845	32.0	3.36670
Al 237.312	47450.6	ug/L	69.1169	0.1	191321
As 188.980	16.9298	ug/L	2.24966	13.3	33.9481
B 249.678	-1.07081	ug/L	0.035997	3.4	276.242
Ba 493.408	117.955	ug/L	0.331796	0.3	310840
Be 313.042	2.08639	ug/L	0.001633	0.1	9468.51
Ca 373.690	7465.93	ug/L	13.2451	0.2	79837.0
Cd 214.439	-0.622083	ug/L	0.034236	5.5	118.477
Co 228.615	24.1161	ug/L	0.091792	0.4	554.677
Cr 267.716	50.2092	ug/L	0.146609	0.3	3579.79
Cu 327.395	38.2544	ug/L	0.213518	0.6	3039.45
Fe 273.955	101611	ug/L	440.108	0.4	1890526
K 404.721	6968.14	ug/L	106.575	1.5	196.546
Li 610.365	22.7489	ug/L	0.037344	0.2	2929.40
Mg 279.078	11266.9	ug/L	25.3129	0.2	89477.6
Mn 257.610	1372.08	ug/L	4.52101	0.3	577608
Mo 202.032	0.487434	ug/L	0.367583	75.4	32.6127
Na 330.237	261.155	ug/L	5.91222	2.3	91.8823
Ni 216.555	34.5067	ug/L	0.453770	1.3	676.840
Pb 220.353	22.8562	ug/L	0.547390	2.4	199.655
Sb 217.582	-0.209849uv	ug/L	0.043759	20.9	7.56403
Se 196.026	-1.93131uv	ug/L	0.351367	18.2	2.25748
Si 251.611	3811.15	ug/L	224.053	5.9	26329.1
Si 288.158	3851.96	ug/L	195.333	5.1	60625.0
Sn 189.925	14.5241	ug/L	1.44688	10.0	52.0494
Sr 421.552	80.0598	ug/L	0.017495	0.0	254164
Ti 336.122	3938.17	ug/L	2.02706	0.1	1296147
Tl 190.794	-0.972480uv	ug/L	0.430430	44.3	1.73566
V 292.401	104.961	ug/L	0.402808	0.4	6178.26
Zn 202.548	145.033	ug/L	1.98003	1.4	7627.44
Zr 339.198	25.8194	ug/L	2.20759	8.6	1780.42

360-37839-B-3-A (Samp) **12/1/2011, 2:13:13 PM** **Rack 1, Tube 52**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-1.60674uv	ug/L	0.340785	21.2	1.24463
Al 237.312	71834.4	ug/L	47.7463	0.1	281926
As 188.980	29.8823	ug/L	0.414985	1.4	57.6669
B 249.678	-1.27346	ug/L	0.266927	21.0	282.259
Ba 493.408	219.181	ug/L	0.023942	0.0	577384
Be 313.042	5.87711	ug/L	0.004196	0.1	26253.5
Ca 373.690	14159.8	ug/L	3.80070	0.0	148004
Cd 214.439	-1.10871	ug/L	0.007502	0.7	207.065
Co 228.615	36.7144	ug/L	0.631512	1.7	834.683
Cr 267.716	61.2240	ug/L	0.202626	0.3	4354.43
Cu 327.395	80.4617	ug/L	0.201738	0.3	6191.61
Fe 273.955	184286	ug/L	104.022	0.1	3360079
K 404.721	10768.2	ug/L	480.231	4.5	300.435
Li 610.365	46.7806	ug/L	0.008483	0.0	5967.18
Mg 279.078	16519.2	ug/L	1.44045	0.0	130184

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2650.10	ug/L	2.45209	0.1	1115471
Mo 202.032	5.18321	ug/L	0.011079	0.2	89.2477
Na 330.237	37.0065uv	ug/L	65.6771	177.5	22.8384
Ni 216.555	32.7782	ug/L	0.236427	0.7	794.584
Pb 220.353	61.9315	ug/L	0.370213	0.6	516.318
Sb 217.582	1.16409uv	ug/L	3.08798	265.3	10.8340
Se 196.026	-4.31888uv	ug/L	0.056485	1.3	0.561920
Si 251.611	3973.18	ug/L	99.4017	2.5	27848.3
Si 288.158	4043.28	ug/L	84.1048	2.1	63610.9
Sn 189.925	18.8403	ug/L	0.103890	0.6	64.3343
Sr 421.552	127.468	ug/L	0.002471	0.0	404892
Ti 336.122	5593.61	ug/L	25.4655	0.5	1840957
Tl 190.794	1.00114	ug/L	0.392556	39.2	5.20786
V 292.401	126.002	ug/L	0.198939	0.2	7493.05
Zn 202.548	357.130	ug/L	0.037289	0.0	18631.0
Zr 339.198	54.0694	ug/L	0.543841	1.0	3724.76

CCV (CCV) **12/1/2011, 2:16:10 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	998.661	ug/L	3.24767	0.3	11580.7	99.86615
Al 237.312	5150.88	ug/L	13.0041	0.3	24700.4	103.01768
As 188.980	1015.49	ug/L	3.44119	0.3	1862.62	101.54943
B 249.678	972.507	ug/L	13.3169	1.4	33284.9	97.25072
Ba 493.408	996.861	ug/L	3.08306	0.3	2625154	99.68613
Be 313.042	991.619	ug/L	8.71847	0.9	4374939	99.16194
Ca 373.690	20334.9	ug/L	75.8524	0.4	177737	101.67466
Cd 214.439	1015.58	ug/L	3.03468	0.3	70080.5	101.55806
Co 228.615	1008.08	ug/L	3.80817	0.4	14414.3	100.80775
Cr 267.716	1004.37	ug/L	4.43737	0.4	70683.3	100.43680
Cu 327.395	1003.12	ug/L	0.761788	0.1	75111.8	100.31158
Fe 273.955	5150.10	ug/L	17.8306	0.3	122799	103.00195
K 404.721	20652.2	ug/L	382.811	1.9	552.774	103.26109
Li 610.365	5038.61	ug/L	4.37730	0.1	636594	100.77212
Mg 279.078	20489.8	ug/L	79.9638	0.4	160250	102.44895
Mn 257.610	1002.55	ug/L	3.41370	0.3	422287	100.25464
Mo 202.032	1011.09	ug/L	14.1912	1.4	12217.3	101.10878
Na 330.237	20371.6	ug/L	4.21640	0.0	5549.22	101.85823
Ni 216.555	1006.59	ug/L	2.88380	0.3	14232.0	100.65916
Pb 220.353	1012.78	ug/L	2.86675	0.3	8342.87	101.27763
Sb 217.582	1007.90	ug/L	5.08734	0.5	2407.20	100.78967
Se 196.026	1015.25	ug/L	5.85638	0.6	957.932	101.52520
Si 251.611	1021.41	ug/L	12.8739	1.3	7261.02	102.14133
Si 288.158	1016.75	ug/L	13.8235	1.4	16793.3	101.67461
Sn 189.925	1008.64	ug/L	3.12605	0.3	2861.46	100.86393
Sr 421.552	995.026	ug/L	2.09439	0.2	3148284	99.50256
Ti 336.122	1007.51	ug/L	1.52112	0.2	331657	100.75148
Tl 190.794	1003.22	ug/L	0.859240	0.1	1669.40	100.32240
V 292.401	1003.01	ug/L	3.74692	0.4	56349.1	100.30132
Zn 202.548	1011.10	ug/L	6.30255	0.6	52382.8	101.11003
Zr 339.198	1042.90	ug/L	20.8886	2.0	71786.8	104.29012

CCB (CCB) **12/1/2011, 2:19:07 PM** **Rack 4, Tube 4**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.324005	ug/L	0.308423	95.2	2.52905	0.32401
Al 237.312	3.13490	ug/L	1.16680	37.2	28.4261	3.13490
As 188.980	0.730781	ug/L	0.070007	9.6	4.25972	0.73078
B 249.678	16.5668	ug/L	2.85361	17.2	675.259	16.56676
Ba 493.408	0.192145	ug/L	0.043222	22.5	748.586	0.19215
Be 313.042	0.083239	ug/L	0.015002	18.0	494.570	0.08324
Ca 373.690	3.08156	ug/L	0.239216	7.8	93.6487	3.08156
Cd 214.439	0.128203	ug/L	0.014507	11.3	13.2863	0.12820
Co 228.615	0.830598	ug/L	0.522220	62.9	33.8654	0.83060
Cr 267.716	0.330168	ug/L	0.027306	8.3	71.9263	0.33017
Cu 327.395	0.187013	ug/L	0.147589	78.9	195.863	0.18701
Fe 273.955	6.64813	ug/L	0.608988	9.2	223.415	6.64813
K 404.721	428.600	ug/L	334.647	78.1	22.5952	428.59991
Li 610.365	-0.532088uv	ug/L	0.070315	13.2	-15.9531	-0.53209
Mg 279.078	0.951966uv	ug/L	1.44900	152.2	46.8296	0.95197
Mn 257.610	0.131487	ug/L	0.013348	10.2	106.277	0.13149
Mo 202.032	11.1228	ug/L	0.843077	7.6	160.821	11.12284
Na 330.237	-43.7896uv	ug/L	33.2446	75.9	14.0640	-43.78965
Ni 216.555	0.262644	ug/L	0.049648	18.9	13.4142	0.26264
Pb 220.353	-0.134271uv	ug/L	0.276761	206.1	16.5220	-0.13427
Sb 217.582	1.20559uv	ug/L	2.65732	220.4	10.9238	1.20559
Se 196.026	2.65755	ug/L	2.92214	110.0	6.12996	2.65755
Si 251.611	4.80721	ug/L	0.690777	14.4	103.571	4.80721
Si 288.158	3.85228	ug/L	0.583063	15.1	572.482	3.85228
Sn 189.925	1.15661	ug/L	0.549218	47.5	14.0815	1.15661
Sr 421.552	0.116847	ug/L	0.026516	22.7	429.604	0.11685
Ti 336.122	1.12366	ug/L	0.044424	4.0	449.310	1.12366
Tl 190.794	1.93991	ug/L	0.386157	19.9	5.98090	1.93991
V 292.401	0.138806uv	ug/L	0.205472	148.0	50.2556	0.13881
Zn 202.548	0.129529	ug/L	0.051233	39.6	46.1378	0.12953
Zr 339.198	0.744520	ug/L	0.015886	2.1	54.7800	0.74452

360-37825-A-1-A (Samp) **12/1/2011, 2:22:03 PM** **Rack 1, Tube 53**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-1.30051	ug/L	0.606518	46.6	5.93652
Al 237.312	961.914	ug/L	0.123692	0.0	4719.57
As 188.980	2.05912	ug/L	0.069500	3.4	6.74045
B 249.678	62.5364	ug/L	0.242572	0.4	2290.30
Ba 493.408	50.9898	ug/L	0.014056	0.0	134508
Be 313.042	0.032403	ug/L	0.001288	4.0	324.759
Ca 373.690	19788.8	ug/L	23.6080	0.1	172865
Cd 214.439	2.20288	ug/L	0.024388	1.1	164.052
Co 228.615	136.013	ug/L	0.117251	0.1	1967.05
Cr 267.716	73.3473	ug/L	0.047124	0.1	5207.04
Cu 327.395	675.940	ug/L	0.028571	0.0	50657.1
Fe 273.955	3527.64	ug/L	1.17270	0.0	84885.9
K 404.721	1020.36	ug/L	53.3579	5.2	37.9858
Li 610.365	-0.092402uv	ug/L	0.001181	1.3	39.8477
Mg 279.078	1426.71	ug/L	1.82361	0.1	11520.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	51.8329	ug/L	0.016125	0.0	21888.8
Mo 202.032	33.4847	ug/L	0.110235	0.3	430.480
Na 330.237	2890.57	ug/L	61.7078	2.1	799.547
Ni 216.555	30.6469	ug/L	0.265237	0.9	448.268
Pb 220.353	21.9853	ug/L	0.135440	0.6	198.096
Sb 217.582	236.108	ug/L	0.181168	0.1	569.274
Se 196.026	2.28408	ug/L	0.593900	26.0	5.78992
Si 251.611	859.250	ug/L	0.032757	0.0	5837.12
Si 288.158	829.944	ug/L	0.712933	0.1	13560.7
Sn 189.925	50.7333	ug/L	0.049106	0.1	154.205
Sr 421.552	27.3590	ug/L	0.027615	0.1	88322.1
Ti 336.122	174.983	ug/L	3.17451	1.8	57667.2
Tl 190.794	-0.719218uv	ug/L	1.71639	238.6	2.49197
V 292.401	12.8086	ug/L	0.115760	0.9	800.699
Zn 202.548	416.788	ug/L	0.715242	0.2	21733.2
Zr 339.198	201.018	ug/L	40.5261	20.2	13839.7

360-37825-A-2-A (Samp) **12/1/2011, 2:24:59 PM** **Rack 1, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-1.08949	ug/L	0.156458	14.4	8.79736
Al 237.312	807.278	ug/L	1.06882	0.1	3965.49
As 188.980	1.61947	ug/L	0.087594	5.4	5.93675
B 249.678	30.1108	ug/L	0.323104	1.1	1175.64
Ba 493.408	36.3421	ug/L	0.187728	0.5	95937.9
Be 313.042	0.019777	ug/L	0.003379	17.1	247.984
Ca 373.690	11688.6	ug/L	76.4048	0.7	103535
Cd 214.439	0.681434	ug/L	0.022407	3.3	58.0599
Co 228.615	45.3911	ug/L	0.122613	0.3	676.144
Cr 267.716	75.0629	ug/L	0.523257	0.7	5327.69
Cu 327.395	303.191	ug/L	1.83622	0.6	22822.0
Fe 273.955	3131.21	ug/L	20.5197	0.7	75521.2
K 404.721	788.250	ug/L	280.089	35.5	32.0322
Li 610.365	0.134952	ug/L	0.013468	10.0	68.5078
Mg 279.078	770.434	ug/L	5.04530	0.7	6246.95
Mn 257.610	33.0683	ug/L	0.170195	0.5	13980.4
Mo 202.032	23.3438	ug/L	0.855043	3.7	308.194
Na 330.237	1739.39	ug/L	8.18404	0.5	493.793
Ni 216.555	21.9526	ug/L	0.234806	1.1	325.258
Pb 220.353	14.2741	ug/L	0.254017	1.8	134.734
Sb 217.582	191.850	ug/L	1.40160	0.7	464.071
Se 196.026	1.79034	ug/L	1.30702	73.0	5.31201
Si 251.611	714.976	ug/L	1.03282	0.1	4873.51
Si 288.158	692.978	ug/L	1.87165	0.3	11405.1
Sn 189.925	25.6330	ug/L	0.433562	1.7	83.2623
Sr 421.552	16.0274	ug/L	0.112139	0.7	51790.1
Ti 336.122	165.077	ug/L	2.76659	1.7	54407.1
Tl 190.794	-0.608354uv	ug/L	0.247199	40.6	2.13187
V 292.401	9.23560	ug/L	0.154129	1.7	587.752
Zn 202.548	188.656	ug/L	0.721446	0.4	9860.25
Zr 339.198	38.7550	ug/L	4.13507	10.7	2671.05

360-37825-A-3-A (Samp) **12/1/2011, 2:27:55 PM** **Rack 1, Tube 55**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.591108	ug/L	0.134945	22.8	4.76416
Al 237.312	540.901	ug/L	0.215015	0.0	2664.60
As 188.980	1.38844	ug/L	0.811511	58.4	5.49191
B 249.678	16.9788	ug/L	0.286953	1.7	731.239
Ba 493.408	27.4137	ug/L	0.157090	0.6	72427.9
Be 313.042	0.020209	ug/L	0.004131	20.4	237.220
Ca 373.690	7300.29	ug/L	38.3906	0.5	65186.9
Cd 214.439	0.764436	ug/L	0.019160	2.5	62.2527
Co 228.615	7.66133	ug/L	0.141080	1.8	137.897
Cr 267.716	42.4228	ug/L	0.145492	0.3	3032.19
Cu 327.395	156.248	ug/L	1.14948	0.7	11848.9
Fe 273.955	2425.83	ug/L	11.8986	0.5	58752.2
K 404.721	981.564	ug/L	279.967	28.5	36.8774
Li 610.365	-0.127003uv	ug/L	0.014387	11.3	35.3867
Mg 279.078	647.068	ug/L	3.42462	0.5	5253.55
Mn 257.610	29.8323	ug/L	0.155709	0.5	12616.3
Mo 202.032	15.5287	ug/L	0.149626	1.0	213.958
Na 330.237	2958.31	ug/L	6.20566	0.2	828.077
Ni 216.555	20.1190	ug/L	0.135911	0.7	297.875
Pb 220.353	22.7118	ug/L	0.671542	3.0	204.149
Sb 217.582	205.701	ug/L	2.53607	1.2	496.993
Se 196.026	1.72870	ug/L	2.03055	117.5	5.25932
Si 251.611	813.754	ug/L	6.83995	0.8	5524.42
Si 288.158	789.513	ug/L	6.86736	0.9	12917.3
Sn 189.925	16.1477	ug/L	0.725528	4.5	56.4559
Sr 421.552	13.8012	ug/L	0.080577	0.6	44362.6
Ti 336.122	149.207	ug/L	0.510423	0.3	49184.1
Tl 190.794	-0.249272uv	ug/L	0.873659	350.5	2.46622
V 292.401	3.88590	ug/L	0.124074	3.2	280.005
Zn 202.548	146.968	ug/L	0.748010	0.5	7655.09
Zr 339.198	28.7138	ug/L	2.57690	9.0	1979.92

360-37825-A-4-A (Samp) **12/1/2011, 2:30:52 PM** **Rack 1, Tube 56**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.380336uv	ug/L	0.728293	191.5	-4.56616
Al 237.312	91.9104	ug/L	1.36964	1.5	464.561
As 188.980	-0.184388uv	ug/L	0.328240	178.0	2.58621
B 249.678	3.62518	ug/L	0.108724	3.0	246.140
Ba 493.408	13.3166	ug/L	0.028670	0.2	35307.6
Be 313.042	-0.002608uv	ug/L	0.000513	19.7	126.024
Ca 373.690	3955.44	ug/L	11.1563	0.3	35338.9
Cd 214.439	0.888001	ug/L	0.053404	6.0	66.3844
Co 228.615	0.906584	ug/L	0.106466	11.7	38.3178
Cr 267.716	3.09012	ug/L	0.200039	6.5	266.027
Cu 327.395	23.1846	ug/L	0.214397	0.9	1913.06
Fe 273.955	278.659	ug/L	0.174015	0.1	6883.10
K 404.721	1201.00	ug/L	340.026	28.3	42.2686
Li 610.365	-0.560769uv	ug/L	0.059077	10.5	-19.4727
Mg 279.078	432.653	ug/L	0.033707	0.0	3524.61

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	10.0578	ug/L	0.020255	0.2	4291.46
Mo 202.032	-0.110651uv	ug/L	0.452212	408.7	25.3897
Na 330.237	4052.48	ug/L	13.3449	0.3	1130.60
Ni 216.555	10.4464	ug/L	0.158656	1.5	156.979
Pb 220.353	1.83259	ug/L	0.863084	47.1	32.6700
Sb 217.582	159.470	ug/L	1.20143	0.8	387.108
Se 196.026	2.66029	ug/L	2.08832	78.5	6.13939
Si 251.611	205.241	ug/L	2.97254	1.4	1480.07
Si 288.158	199.518	ug/L	2.70626	1.4	3690.99
Sn 189.925	13.7525	ug/L	0.590568	4.3	49.6836
Sr 421.552	9.75365	ug/L	0.030574	0.3	31258.5
Ti 336.122	95.9382	ug/L	0.520598	0.5	31653.2
Tl 190.794	-0.207986uv	ug/L	0.209769	100.9	2.45160
V 292.401	0.310001	ug/L	0.127049	41.0	70.3037
Zn 202.548	42.7649	ug/L	0.164021	0.4	2244.96
Zr 339.198	9.58754	ug/L	1.60831	16.8	663.441

360-37832-A-5-A@2 (Samp) **12/1/2011, 2:33:48 PM** **Rack 1, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-5.48858uv	ug/L	0.677199	12.3	2.30835
Al 237.312	91335.6	ug/L	25.6216	0.0	354389
As 188.980	12.8216	ug/L	0.244877	1.9	26.5128
B 249.678	74.6916	ug/L	1.36984	1.8	2757.90
Ba 493.408	710.522	ug/L	0.605124	0.1	1871175
Be 313.042	4.05252	ug/L	0.008408	0.2	18352.6
Ca 373.690	10753.7	ug/L	14.9273	0.1	121038
Cd 214.439	-0.508293	ug/L	0.057033	11.2	274.296
Co 228.615	83.6570	ug/L	0.746559	0.9	1455.15
Cr 267.716	177.736	ug/L	0.362541	0.2	12548.4
Cu 327.395	149.279	ug/L	0.238979	0.2	11331.3
Fe 273.955	201814	ug/L	286.124	0.1	3671648
K 404.721	19562.0	ug/L	350.722	1.8	535.130
Li 610.365	136.310	ug/L	0.136122	0.1	17277.7
Mg 279.078	43750.9	ug/L	29.4554	0.1	330338
Mn 257.610	3584.36	ug/L	0.246521	0.0	1509069
Mo 202.032	2.09288	ug/L	0.189811	9.1	51.9815
Na 330.237	59.3372uv	ug/L	6.51685	11.0	8.09082
Ni 216.555	2588.34	ug/L	7.01393	0.3	36705.3
Pb 220.353	50.7783	ug/L	0.787611	1.6	423.666
Sb 217.582	-1.63298uv	ug/L	2.45287	150.2	4.18890
Se 196.026	-4.12183uv	ug/L	2.17094	52.7	1.52261
Si 251.611	1834.59	ug/L	18.8484	1.0	13191.9
Si 288.158	1937.31	ug/L	20.6437	1.1	30744.6
Sn 189.925	8.45355	ug/L	0.272301	3.2	35.4141
Sr 421.552	68.1666	ug/L	0.032353	0.0	217147
Ti 336.122	3673.47	ug/L	24.5846	0.7	1209033
Tl 190.794	1.49219	ug/L	0.533486	35.8	6.62938
V 292.401	242.474	ug/L	0.334477	0.1	13944.0
Zn 202.548	925.050	ug/L	4.77111	0.5	47831.1
Zr 339.198	21.1164	ug/L	2.77392	13.1	1455.94

360-37832-A-10-A@2 (Samp) **12/1/2011, 2:36:44 PM** **Rack 1, Tube 58**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-5.36581uv	ug/L	0.168345	3.1	-7.55005
Al 237.312	93031.2	ug/L	114.938	0.1	360690
As 188.980	13.2962	ug/L	0.272767	2.1	27.3793
B 249.678	76.1476	ug/L	0.363949	0.5	2796.19
Ba 493.408	391.967	ug/L	0.154205	0.0	1032362
Be 313.042	4.29010	ug/L	0.005559	0.1	19399.6
Ca 373.690	7688.68	ug/L	38.4248	0.5	94095.3
Cd 214.439	-1.52565	ug/L	0.068056	4.5	198.738
Co 228.615	64.7305	ug/L	0.249736	0.4	1180.17
Cr 267.716	174.152	ug/L	0.466154	0.3	12296.3
Cu 327.395	79.6393	ug/L	0.318493	0.4	6130.84
Fe 273.955	198242	ug/L	505.581	0.3	3608157
K 404.721	20207.3	ug/L	269.810	1.3	551.661
Li 610.365	151.703	ug/L	0.194504	0.1	19222.6
Mg 279.078	47357.9	ug/L	79.7567	0.2	355533
Mn 257.610	2441.39	ug/L	1.66988	0.1	1028192
Mo 202.032	1.53383	ug/L	0.015958	1.0	45.2330
Na 330.237	261.958	ug/L	18.6145	7.1	85.9463
Ni 216.555	130.725	ug/L	0.137837	0.1	2192.35
Pb 220.353	48.2018	ug/L	0.249879	0.5	402.683
Sb 217.582	0.345528uv	ug/L	2.41932	700.2	8.88776
Se 196.026	-4.80217uv	ug/L	0.302281	6.3	-0.224274
Si 251.611	1636.04	ug/L	31.8784	1.9	11897.3
Si 288.158	1749.37	ug/L	26.1077	1.5	27812.3
Sn 189.925	7.98268	ug/L	0.168242	2.1	34.1378
Sr 421.552	53.2600	ug/L	0.022912	0.0	169694
Ti 336.122	3738.47	ug/L	21.3239	0.6	1230426
Tl 190.794	-0.020306uv	ug/L	1.18620	5841.7	4.00084
V 292.401	240.059	ug/L	0.122742	0.1	13804.0
Zn 202.548	310.161	ug/L	1.38200	0.4	16236.6
Zr 339.198	24.8677	ug/L	3.11329	12.5	1714.07

CCV (CCV) **12/1/2011, 2:57:20 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	998.049	ug/L	0.978314	0.1	11573.3	99.80493
Al 237.312	5136.82	ug/L	9.18445	0.2	24634.7	102.73650
As 188.980	1014.08	ug/L	3.35565	0.3	1860.02	101.40793
B 249.678	975.661	ug/L	7.36170	0.8	33391.6	97.56610
Ba 493.408	996.023	ug/L	2.07070	0.2	2622946	99.60227
Be 313.042	966.996	ug/L	0.675256	0.1	4266321	96.69960
Ca 373.690	20298.9	ug/L	34.7062	0.2	177429	101.49471
Cd 214.439	1012.64	ug/L	0.449149	0.0	69877.5	101.26382
Co 228.615	1005.58	ug/L	1.27304	0.1	14378.7	100.55842
Cr 267.716	1002.40	ug/L	2.12758	0.2	70544.7	100.23958
Cu 327.395	998.792	ug/L	4.99972	0.5	74788.9	99.87923
Fe 273.955	5121.38	ug/L	11.1321	0.2	122134	102.42758
K 404.721	20971.0	ug/L	231.477	1.1	561.328	104.85502
Li 610.365	5030.36	ug/L	1.69250	0.0	635552	100.60727
Mg 279.078	20466.0	ug/L	28.2497	0.1	160070	102.33011

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	1000.88	ug/L	0.740598	0.1	421587	100.08838
Mo 202.032	1023.55	ug/L	16.2231	1.6	12367.6	102.35547
Na 330.237	20285.6	ug/L	55.4595	0.3	5525.83	101.42791
Ni 216.555	1009.10	ug/L	4.35481	0.4	14267.1	100.90953
Pb 220.353	1012.18	ug/L	0.677284	0.1	8337.94	101.21767
Sb 217.582	1003.40	ug/L	0.071557	0.0	2396.51	100.34027
Se 196.026	1009.90	ug/L	6.16245	0.6	952.908	100.99026
Si 251.611	1018.77	ug/L	14.5350	1.4	7242.12	101.87729
Si 288.158	1010.33	ug/L	13.2100	1.3	16691.7	101.03294
Sn 189.925	1013.80	ug/L	2.72511	0.3	2876.05	101.38017
Sr 421.552	994.959	ug/L	1.59505	0.2	3148071	99.49594
Ti 336.122	1004.56	ug/L	0.053991	0.0	330684	100.45571
Tl 190.794	1001.24	ug/L	0.749143	0.1	1666.10	100.12376
V 292.401	1001.99	ug/L	1.88770	0.2	56291.5	100.19902
Zn 202.548	1006.06	ug/L	0.151961	0.0	52122.4	100.60591
Zr 339.198	1112.00	ug/L	17.3738	1.6	76543.2	111.20044Q

CCB (CCB) **12/1/2011, 3:00:17 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.124996uv	ug/L	0.187444	150.0	-2.55811	-0.12500
Al 237.312	1.80283uv	ug/L	2.82936	156.9	21.8783	1.80283
As 188.980	0.991420	ug/L	0.442804	44.7	4.73683	0.99142
B 249.678	20.6787	ug/L	2.96368	14.3	814.747	20.67871
Ba 493.408	0.211490	ug/L	0.048635	23.0	799.523	0.21149
Be 313.042	0.084817	ug/L	0.008362	9.9	501.641	0.08482
Ca 373.690	3.27913	ug/L	0.099927	3.0	95.0840	3.27913
Cd 214.439	0.114785	ug/L	0.020759	18.1	12.3569	0.11479
Co 228.615	0.694812	ug/L	0.017802	2.6	31.9312	0.69481
Cr 267.716	0.287673	ug/L	0.029265	10.2	68.9377	0.28767
Cu 327.395	0.268015	ug/L	0.157068	58.6	201.907	0.26801
Fe 273.955	4.79976	ug/L	0.134234	2.8	178.092	4.79976
K 404.721	538.703	ug/L	282.498	52.4	25.3901	538.70331
Li 610.365	-0.624695uv	ug/L	0.201018	32.2	-27.6523	-0.62469
Mg 279.078	1.07635uv	ug/L	1.88765	175.4	47.8291	1.07635
Mn 257.610	0.145680	ug/L	0.024113	16.6	112.251	0.14568
Mo 202.032	17.8215	ug/L	1.27392	7.1	241.586	17.82154
Na 330.237	-49.9090uv	ug/L	23.1505	46.4	12.3931	-49.90903
Ni 216.555	0.193441	ug/L	0.064512	33.3	12.4608	0.19344
Pb 220.353	0.736900	ug/L	0.003959	0.5	23.6837	0.73690
Sb 217.582	0.353679	ug/L	0.274611	77.6	8.89880	0.35368
Se 196.026	4.13486	ug/L	0.844568	20.4	7.51724	4.13486
Si 251.611	1.47205	ug/L	1.08920	74.0	81.3940	1.47205
Si 288.158	1.53016	ug/L	0.546956	35.7	535.900	1.53016
Sn 189.925	4.73215	ug/L	0.994667	21.0	24.1856	4.73215
Sr 421.552	0.121216	ug/L	0.024699	20.4	443.431	0.12122
Ti 336.122	1.14844	ug/L	0.166943	14.5	457.466	1.14844
Tl 190.794	1.44010	ug/L	0.547225	38.0	5.15486	1.44010
V 292.401	0.347144	ug/L	0.070872	20.4	61.9343	0.34714
Zn 202.548	0.136389	ug/L	0.012043	8.8	46.5175	0.13639
Zr 339.198	0.757516	ug/L	0.228512	30.2	55.6746	0.75752

CCV (CCV) **12/1/2011, 7:28:16 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	1047.27	ug/L	5.03028	0.5	12137.7	104.72682
Al 237.312	5365.54	ug/L	61.0681	1.1	25701.5	107.31088
As 188.980	1056.80	ug/L	2.13643	0.2	1938.26	105.68050
B 249.678	1026.28	ug/L	17.8399	1.7	35116.7	102.62831
Ba 493.408	1043.75	ug/L	7.29437	0.7	2748608	104.37453
Be 313.042	1018.23	ug/L	10.9428	1.1	4492355	101.82310
Ca 373.690	21145.5	ug/L	133.856	0.6	184589	105.72730
Cd 214.439	1049.55	ug/L	4.79757	0.5	72424.4	104.95497
Co 228.615	1046.09	ug/L	5.94308	0.6	14957.2	104.60854
Cr 267.716	1029.36	ug/L	1.04953	0.1	72440.8	102.93569
Cu 327.395	1044.13	ug/L	7.86907	0.8	78175.6	104.41331
Fe 273.955	5319.48	ug/L	35.3636	0.7	126714	106.38954
K 404.721	21482.8	ug/L	89.8039	0.4	575.182	107.41389
Li 610.365	5157.73	ug/L	45.4482	0.9	651644	103.15466
Mg 279.078	21299.0	ug/L	97.0725	0.5	166374	106.49478
Mn 257.610	1044.86	ug/L	6.89878	0.7	440108	104.48650
Mo 202.032	1045.53	ug/L	22.3874	2.1	12632.5	104.55302
Na 330.237	20793.3	ug/L	11.3510	0.1	5662.97	103.96670
Ni 216.555	1031.53	ug/L	3.87916	0.4	14586.3	103.15322
Pb 220.353	1059.87	ug/L	4.32481	0.4	8730.00	105.98710
Sb 217.582	1048.12	ug/L	6.94453	0.7	2502.92	104.81151
Se 196.026	1067.43	ug/L	7.26494	0.7	1006.97	106.74302
Si 251.611	1061.72	ug/L	18.9508	1.8	7546.76	106.17159
Si 288.158	1063.41	ug/L	17.8234	1.7	17538.4	106.34084
Sn 189.925	1046.94	ug/L	5.83717	0.6	2969.70	104.69387
Sr 421.552	1042.10	ug/L	8.96253	0.9	3297216	104.21000
Ti 336.122	1055.04	ug/L	9.45781	0.9	347299	105.50448
Tl 190.794	1032.72	ug/L	3.19545	0.3	1718.50	103.27184
V 292.401	1047.61	ug/L	7.76108	0.7	58852.6	104.76109
Zn 202.548	1044.22	ug/L	3.37861	0.3	54102.7	104.42216
Zr 339.198	1094.78	ug/L	19.0694	1.7	75357.6	109.47794

CCB (CCB) **12/1/2011, 7:31:12 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.775487	ug/L	0.401901	51.8	7.61230	0.77549
Al 237.312	1.57227	ug/L	0.910557	57.9	20.7468	1.57227
As 188.980	0.887479	ug/L	0.798191	89.9	4.54654	0.88748
B 249.678	20.0966	ug/L	2.80491	14.0	795.012	20.09661
Ba 493.408	0.281982	ug/L	0.049961	17.7	985.141	0.28198
Be 313.042	0.132224	ug/L	0.012308	9.3	710.547	0.13222
Ca 373.690	4.44858	ug/L	0.563672	12.7	105.379	4.44858
Cd 214.439	0.148295	ug/L	0.071662	48.3	14.6668	0.14830
Co 228.615	0.974484	ug/L	0.236637	24.3	35.8977	0.97448
Cr 267.716	0.267028	ug/L	0.000250	0.1	67.4858	0.26703
Cu 327.395	0.421222	ug/L	0.179310	42.6	213.355	0.42122
Fe 273.955	3.82013	ug/L	0.078318	2.1	154.070	3.82013
K 404.721	811.851	ug/L	648.820	79.9	32.3354	811.85126
Li 610.365	-0.519192uv	ug/L	0.025493	4.9	-14.3242	-0.51919
Mg 279.078	1.74608	ug/L	0.248625	14.2	53.2256	1.74608

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	0.194594	ug/L	0.021101	10.8	132.846	0.19459
Mo 202.032	12.8254	ug/L	0.893635	7.0	181.348	12.82540
Na 330.237	-53.1825uv	ug/L	0.080954	0.2	11.4961	-53.18253
Ni 216.555	0.263190	ug/L	0.152638	58.0	13.4299	0.26319
Pb 220.353	-0.156326uv	ug/L	0.045140	28.9	16.3409	-0.15633
Sb 217.582	0.267508	ug/L	0.068199	25.5	8.69409	0.26751
Se 196.026	5.56620	ug/L	0.478930	8.6	8.86137	5.56620
Si 251.611	1.80683	ug/L	1.11149	61.5	83.5116	1.80683
Si 288.158	1.68074	ug/L	1.54826	92.1	538.314	1.68074
Sn 189.925	0.844537	ug/L	0.422177	50.0	13.1996	0.84454
Sr 421.552	0.164572	ug/L	0.025999	15.8	580.636	0.16457
Ti 336.122	0.700153	ug/L	0.079808	11.4	309.933	0.70015
Tl 190.794	1.64603	ug/L	0.883532	53.7	5.49554	1.64603
V 292.401	-0.063696uv	ug/L	0.119775	188.0	38.8845	-0.06370
Zn 202.548	0.222900	ug/L	0.010381	4.7	51.0313	0.22290
Zr 339.198	0.788513	ug/L	0.197466	25.0	57.8081	0.78851

ICSA (ICSA) **12/1/2011, 7:34:08 PM** **Rack 4, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.791448	ug/L	0.611469	77.3	9.63770	0.79145
Al 237.312	121668	ug/L	99.2656	0.1	467099	1668.24219K
As 188.980	0.691187uv	ug/L	1.03847	150.2	4.18735	0.69119
B 249.678	9.34571	ug/L	0.894784	9.6	430.267	9.34571
Ba 493.408	1.09292	ug/L	0.001391	0.1	3120.48	1.09292
Be 313.042	0.019287	ug/L	0.002512	13.0	756.035	0.01929
Ca 373.690	105715	ug/L	292.212	0.3	815447	5714.88281K
Cd 214.439	-0.917282	ug/L	0.058002	6.3	123.855	-0.91728
Co 228.615	-0.559769	ug/L	0.208459	37.2	81.7318	-0.55977
Cr 267.716	0.500762	ug/L	0.066734	13.3	83.9236	0.50076
Cu 327.395	0.811670	ug/L	0.000453	0.1	242.603	0.81167
Fe 273.955	117240	ug/L	299.730	0.3	2168331	7239.73438K
K 404.721	1224.26	ug/L	186.550	15.2	49.8208	1224.26331
Li 610.365	1.53372	ug/L	0.080241	5.2	251.480	1.53372
Mg 279.078	113036	ug/L	58.0711	0.1	762692	3035.59375K
Mn 257.610	-2.70233	ug/L	0.011384	0.4	738.037	-2.70233
Mo 202.032	1.75293	ug/L	0.089429	5.1	48.0670	1.75293
Na 330.237	84.1128	ug/L	25.2351	30.0	48.8091	84.11283
Ni 216.555	-5.44738	ug/L	0.187396	3.4	141.105	-5.44738
Pb 220.353	-2.82648uv	ug/L	0.068776	2.4	-12.3287	-2.82648
Sb 217.582	0.923324	ug/L	1.17786	127.6	10.2579	0.92332
Se 196.026	-1.29155uv	ug/L	0.287574	22.3	1.34946	-1.29155
Si 251.611	-0.070231uv	ug/L	3.63224	5171.8	71.0026	-0.07023
Si 288.158	7.55052	ug/L	0.354652	4.7	630.017	7.55052
Sn 189.925	-1.22406uv	ug/L	0.322036	26.3	8.99893	-1.22406
Sr 421.552	-2.09954	ug/L	0.006289	0.3	1828.75	-2.09954
Ti 336.122	0.179584	ug/L	0.122639	68.3	138.612	0.17958
Tl 190.794	0.248666	ug/L	0.536790	215.9	3.57080	0.24867
V 292.401	-2.91630	ug/L	0.113529	3.9	93.2078	-2.91630
Zn 202.548	1.69203	ug/L	0.835557	49.4	272.610	1.69203
Zr 339.198	1.62830	ug/L	0.121040	7.4	113.195	1.62830

ICSAB (ICSAB) **12/1/2011, 7:37:05 PM** **Rack 4, Tube 6**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	572.487	ug/L	1.78784	0.3	6630.69	95.41458
Al 237.312	124712	ug/L	688.236	0.6	478410	124.71165G
As 188.980	1874.03	ug/L	8.61199	0.5	3433.98	93.70127
B 249.678	5.13390	ug/L	0.075940	1.5	335.252	-
Ba 493.408	550.366	ug/L	1.78887	0.3	1449454	91.72771
Be 313.042	186.921	ug/L	0.694483	0.4	825523	93.46070
Ca 373.690	108599	ug/L	577.933	0.5	834185	108.59919
Cd 214.439	540.819	ug/L	2.42157	0.4	37503.2	90.13647
Co 228.615	540.300	ug/L	2.78669	0.5	7785.42	90.04996
Cr 267.716	543.866	ug/L	2.96899	0.5	38297.4	90.64438
Cu 327.395	573.965	ug/L	1.55728	0.3	43054.5	95.66084
Fe 273.955	120439	ug/L	659.935	0.5	2225205	120.43869G
K 404.721	40872.7	ug/L	66.3962	0.2	1116.78	102.18175
Li 610.365	1.41936	ug/L	0.050287	3.5	237.188	-
Mg 279.078	115410	ug/L	724.514	0.6	776240	115.41032
Mn 257.610	358.743	ug/L	1.65823	0.5	152860	89.68563
Mo 202.032	-0.018428uv	ug/L	0.021263	115.4	26.7150	-
Na 330.237	-283.934uv	ug/L	17.4128	6.1	-71.5815	-
Ni 216.555	525.957	ug/L	2.39145	0.5	7751.55	87.65945
Pb 220.353	1807.20	ug/L	8.86784	0.5	14866.9	90.35976
Sb 217.582	1017.20	ug/L	4.96783	0.5	2427.71	101.71981
Se 196.026	950.414	ug/L	1.02164	0.1	895.365	95.04143
Si 251.611	-24.3975uv	ug/L	4.52680	18.6	77.2146	-
Si 288.158	-20.5808	ug/L	0.477707	2.3	609.401	-
Sn 189.925	2.61977	ug/L	0.173083	6.6	19.8904	-
Sr 421.552	-2.21381	ug/L	0.000897	0.0	1661.12	-
Ti 336.122	0.069589	ug/L	0.068927	99.0	102.607	-
Tl 190.794	1738.48	ug/L	20.7612	1.2	2880.52	86.92423
V 292.401	550.436	ug/L	1.83376	0.3	31118.6	91.73936
Zn 202.548	537.717	ug/L	1.11271	0.2	28040.6	89.61942
Zr 339.198	7.82433	ug/L	0.655352	8.4	539.630	-

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Westfield
Hg Data Review Checklist

Run Date: 12-8-11 **Instrument:** Model PS200, Leeman Lab

Batch(es): 84525

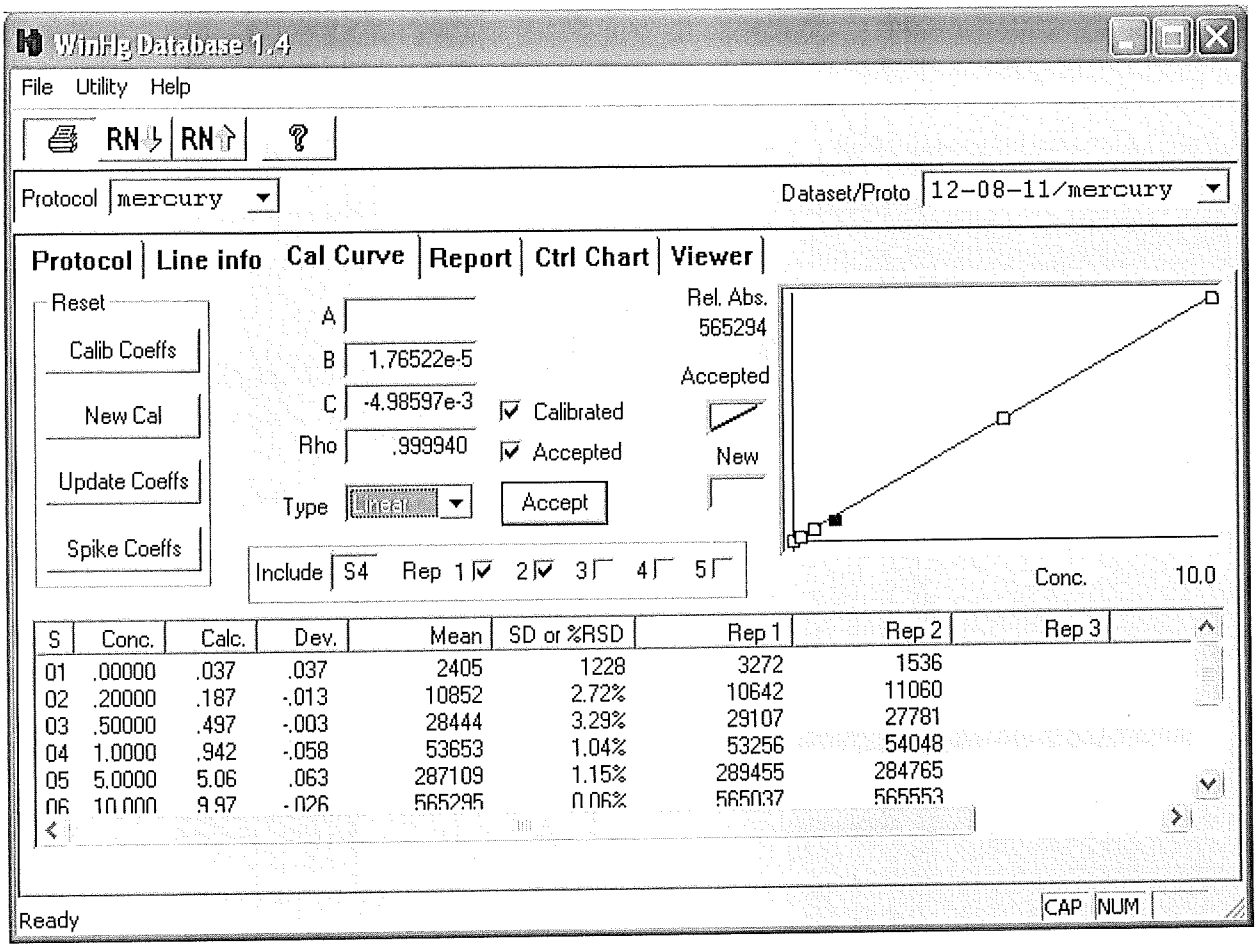
Circle Method(s) Performed: **7470A / 245.1** (7471)

Primary Analyst: DB Date: 12-8-11

2nd Level Reviewer: _____ Date: _____

A. Calibration/Instrument Run QC	Yes	No	N/A
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels? "r" ≥ 0.995?	✓		
2. Instrument Performance Check beginning of run? 245.1: ±5%	✓		
3. ICV/CCV analyzed at appropriate frequency (every 10 samples) and within control limits? 245.1: ±5% ICV, ±10% CCV; 7470/71:±10% ICV, ±20% CCV	✓		
4. ICB/CCB analyzed at appropriate frequency (every 10 samples) and within < Report Limit?	✓		
B. Sample Results			
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed? (dilute to mid-pt of curve)	✓		
2. All reported results bracketed by in control QC?	✓		
3. Sample analyses done within holding time (28days)? If not, NCM generated?	✓		
C. Preparation/Matrix QC			
1. LCS done per prep batch and within QC limits? 245.1: 85-115%, 7470: 80-120%	✓		
2. LCSD RPD aqueous 20%	✓		
3. LCSSRM/LCSDSRM (soil) manufactures limits, RPD 30%	✓		
4. Method blank done per prep batch < RL	✓		
5. MS run at required frequency and within limits? 245.1: 1 per 10 field samples, 70-130%; 7470/71, 1:20, 75-125%	✓		
6. MSD or DU run at required frequency and RPD within limits aqueous ≤20%, solids ≤35%	✓		
D. Other			
1. Are all non-conformances documented appropriately?	✓		
2. Current MDL data on file? Annual LOD verification complete?	✓		
3. Calculations and transcriptions checked for error?	✓		
4. All client / project specific requirements met?	✓		
5. L4 data copied and attached to batch if required?	✓		
6. Date of analysis correct as reported in batch?	✓		

Comments:


WinHg Database 1.4
File Utility Help
RN RN
Protocol mercury
Dataset/Proto 12-08-11/mercury
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.76522e-5
C -4.98597e-3
Rho .999940
Type Linear
Calibrated
Accepted
Accept
Rel. Abs.
565294
Accepted
New
Include S4 Rep 1 2 3 4 5
Conc. 10.0
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 .037 .037 2405 1228 3272 1536
02 .20000 .187 -.013 10852 2.72% 10642 11060
03 .50000 .497 -.003 28444 3.29% 29107 27781
04 1.0000 .942 -.058 53653 1.04% 53256 54048
05 5.0000 5.06 .063 287109 1.15% 289455 284765
06 10.000 9.97 -.026 565295 0.06% 565037 565553
Ready
CAP NUM

cup	sample ID	extended ID	weight	volume	? A D F P S U SC UI US C1..7
1	MB	84495	1.0000	1.0000	
2	LCSSRM	@5	1.0000	1.0000	
3	LCDSRM	@5	1.0000	1.0000	
4	37953A1G		1.0000	1.0000	
5	37953A1H	DU	1.0000	1.0000	
6	37953A1I	MS	1.0000	1.0000	
7	37953A2C		1.0000	1.0000	
8	37953A3C		1.0000	1.0000	
9	37953A4C		1.0000	1.0000	
10	37953A5C		1.0000	1.0000	C4 C1
11	37953A6C		1.0000	1.0000	
12	37953A7C		1.0000	1.0000	
13	37953A8C		1.0000	1.0000	
14	37953A9C		1.0000	1.0000	
15	37953A10C		1.0000	1.0000	
16	37953A11C		1.0000	1.0000	
17	37832A1F		1.0000	1.0000	
18	37832A2D		1.0000	1.0000	
19	37832A3D		1.0000	1.0000	
20	37832A4D		1.0000	1.0000	C4 C1
21	37832A5D		1.0000	1.0000	
22	37832A6D		1.0000	1.0000	
23	37832A7D		1.0000	1.0000	
24	37832A8D		1.0000	1.0000	
25	37832A9D		1.0000	1.0000	C4 C1
26			1.0000	1.0000	
27			1.0000	1.0000	
28			1.0000	1.0000	
29			1.0000	1.0000	
30			1.0000	1.0000	
31			1.0000	1.0000	
32			1.0000	1.0000	
33			1.0000	1.0000	
34			1.0000	1.0000	
35			1.0000	1.0000	
36			1.0000	1.0000	
37			1.0000	1.0000	
38			1.0000	1.0000	
39			1.0000	1.0000	
40			1.0000	1.0000	
41			1.0000	1.0000	
42			1.0000	1.0000	
43			1.0000	1.0000	
44			1.0000	1.0000	

Hg Standards

ICV: High Purity Standards
Lot # 1030115
Exp. May 4, 2012

Intermediate Std. 25 mg/L PrepDate/Lot#: 082911
Expiration Date: 022912

Working Standard: 0.1 mg/L Prep Date/Lot#: 120611
Expiration Date: 121111

ICV Standard (5 ug/L): Prep Date/Lot#: 120811
Expiration Date: 120911

IPC: Spex Certi-Prep
Lot # 16-81Hg
Exp. March 30, 2012

Intermediate Std. 25 mg/L PrepDate/Lot#: 082911
Expiration Date: 022912

Working Standard: 0.1 mg/L Prep Date/Lot#: 120611
Expiration Date: 121111

IPC/CCV Standard (5 ug/L): Prep Date/Lot#: 120811
Expiration Date: 120911

Calibration Standards (Water):

Cal. Std. 1	0.2 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 2	0.5 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 3	1.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 4	5.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 5	10.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811

Calibration Standards (Soil):

Cal. Std. 1	0.2 ug/L	Prep Date/Lot #:	120811	Expires:	120911
Cal. Std. 2	0.5 ug/L	Prep Date/Lot #:	120811	Expires:	120911
Cal. Std. 3	1.0 ug/L	Prep Date/Lot #:	120811	Expires:	120911
Cal. Std. 4	5.0 ug/L	Prep Date/Lot #:	120811	Expires:	120911
Cal. Std. 5	10.0 ug/L	Prep Date/Lot #:	120811	Expires:	120911

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 0		14:22:38 08 Dec 11			HG
Hg	.000	ppb	3272						
*** Standard: 1 Rep: 2				Seq: 1		14:25:29 08 Dec 11			HG
Hg	.000	ppb	1536						
*** Standard: 2 Rep: 1				Seq: 2		14:27:24 08 Dec 11			HG
Hg	.200	ppb	18174						
*** Standard: 2 Rep: 2				Seq: 3		14:29:20 08 Dec 11			HG
Hg	.200	ppb	10656						
*** Standard: 3 Rep: 1				Seq: 4		14:31:07 08 Dec 11			HG
Hg	.500	ppb	32075						
*** Standard: 3 Rep: 2				Seq: 5		14:32:53 08 Dec 11			HG
Hg	.500	ppb	19603						
*** Standard: 4 Rep: 1				Seq: 6		14:34:39 08 Dec 11			HG
Hg	1.00	ppb	53256						
*** Standard: 4 Rep: 2				Seq: 7		14:36:24 08 Dec 11			HG
Hg	1.00	ppb	54048						
*** Standard: 5 Rep: 1				Seq: 8		14:38:11 08 Dec 11			HG
Hg	5.00	ppb	289454						
*** Standard: 5 Rep: 2				Seq: 9		14:40:07 08 Dec 11			HG
Hg	5.00	ppb	284765						
*** Standard: 6 Rep: 1				Seq: 10		14:41:59 08 Dec 11			HG
Hg	10.0	ppb	565036						
*** Standard: 6 Rep: 2				Seq: 11		14:43:53 08 Dec 11			HG
Hg	10.0	ppb	565553						
*** Standard: 2 Rep: 1				Seq: 12		14:50:27 08 Dec 11			HG
Hg	.200	ppb	16168						
*** Standard: 2 Rep: 2				Seq: 13		14:52:12 08 Dec 11			HG
Hg	.200	ppb	11233						

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Standard: 2 Rep: 1              Seq:  14      14:57:13 08 Dec 11   HG

Hg    .200    ppb      10642

*** Standard: 2 Rep: 2              Seq:  15      14:58:56 08 Dec 11   HG

Hg    .200    ppb      11060

*** Standard: 3 Rep: 1              Seq:  16      15:01:09 08 Dec 11   HG

Hg    .500    ppb      29106

*** Standard: 3 Rep: 2              Seq:  17      15:02:52 08 Dec 11   HG

Hg    .500    ppb      27781

*** Check Standard: 2  Ck2ICV       Seq:  18      15:06:54 08 Dec 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.     5.06    5.00  ppb         .000

*** Check Standard: 3  Ck3IPC       Seq:  19      15:08:36 08 Dec 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          98.9     4.95    5.00  ppb         .000

*** Check Standard: 5  Ck5ICB       Seq:  20      15:10:20 08 Dec 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg         -.379    -.000    .100  ppb         .000

*** Sample ID: MB                   Seq:  21      15:12:01 08 Dec 11   HG
                          84495
Hg   -.063    ppb        .000      -.063

*** Sample ID: LCSSRM               Seq:  22      15:14:44 08 Dec 11   HG
                          @5
Hg    3.53    ppb        .000       3.53

*** Sample ID: LCDSRM               Seq:  23      15:16:38 08 Dec 11   HG
                          @5
Hg    3.42    ppb        .000       3.42

*** Sample ID: 37953A1G             Seq:  24      15:18:20 08 Dec 11   HG

Hg    .056    ppb        .000       .056

*** Sample ID: 37953A1H             Seq:  25      15:20:13 08 Dec 11   HG
                          DU
Hg   -.129    ppb        .000      -.129

*** Sample ID: 37953A1I             Seq:  26      15:21:54 08 Dec 11   HG
                          MS
Hg    4.84    ppb        .000       4.84

*** Sample ID: 37953A2C             Seq:  27      15:23:48 08 Dec 11   HG

Hg    .112    ppb        .000       .112
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: 37953A3C				Seq: 28		15:25:36 08 Dec 11			HG
Hg	.191	ppb	.000	.191					
*** Sample ID: 37953A4C				Seq: 29		15:27:40 08 Dec 11			HG
Hg	.001	ppb	.000	.001					
*** Sample ID: 37953A5C				Seq: 30		15:30:25 08 Dec 11			HG
Hg	.009	ppb	.000	.009					
*** Check Standard: 4 Ck4CCV				Seq: 31		15:32:06 08 Dec 11			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		98.4	4.92	5.00	ppb	.000			
*** Check Standard: 1 Ck1CCB				Seq: 32		15:33:57 08 Dec 11			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.003	.100	ppb	.000				
*** Sample ID: 37953A6C				Seq: 33		15:35:48 08 Dec 11			HG
Hg	-.036	ppb	.000	-.036					
*** Sample ID: 37953A7C				Seq: 34		15:37:34 08 Dec 11			HG
Hg	.020	ppb	.000	.020					
*** Sample ID: 37953A8C				Seq: 35		15:39:17 08 Dec 11			HG
Hg	-.089	ppb	.000	-.089					
*** Sample ID: 37953A9C				Seq: 36		15:41:03 08 Dec 11			HG
Hg	.007	ppb	.000	.007					
*** Sample ID: 37953A10C				Seq: 37		15:42:54 08 Dec 11			HG
Hg	.865	ppb	.000	.865					
*** Sample ID: 37953A11C				Seq: 38		15:44:57 08 Dec 11			HG
Hg	.027	ppb	.000	.027					
*** Sample ID: 37832A1F				Seq: 39		15:46:39 08 Dec 11			HG
Hg	5.29	ppb	.000	5.29					
*** Sample ID: 37832A2D				Seq: 40		15:48:21 08 Dec 11			HG
Hg	-.120	ppb	.000	-.120					
*** Sample ID: 37832A3D				Seq: 41		15:50:07 08 Dec 11			HG
Hg	-.017	ppb	.000	-.017					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 37832A4D Seq: 42 15:52:03 08 Dec 11 HG

Hg	.202	ppb	.000	.202

*** Check Standard: 4 Ck4CCV Seq: 43 15:53:58 08 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	5.06	5.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 44 15:56:02 08 Dec 11 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.025	.100	ppb	.000

*** Sample ID: 37832A5D Seq: 45 15:57:46 08 Dec 11 HG

Hg	.022	ppb	.000	.022

*** Sample ID: 37832A6D Seq: 46 15:59:40 08 Dec 11 HG

Hg	.148	ppb	.000	.148

*** Sample ID: 37832A7D Seq: 47 16:01:32 08 Dec 11 HG

Hg	.131	ppb	.000	.131

*** Sample ID: 37832A8D Seq: 48 16:03:14 08 Dec 11 HG

Hg	.043	ppb	.000	.043

*** Sample ID: 37832A9D Seq: 49 16:05:25 08 Dec 11 HG

Hg	-.026	ppb	.000	-.026

*** Check Standard: 4 Ck4CCV Seq: 50 16:07:08 08 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.2	4.96	5.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 51 16:10:00 08 Dec 11 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg	H	.102	.100	ppb	.000

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Westfield
Hg Data Review Checklist

Run Date: 12-9-11 **Instrument:** Model PS200, Leeman Lab

Batch(es): 84566

Circle Method(s) Performed: **7470A / 245.1** (7471)

Primary Analyst: _____ Date: 12-9-11

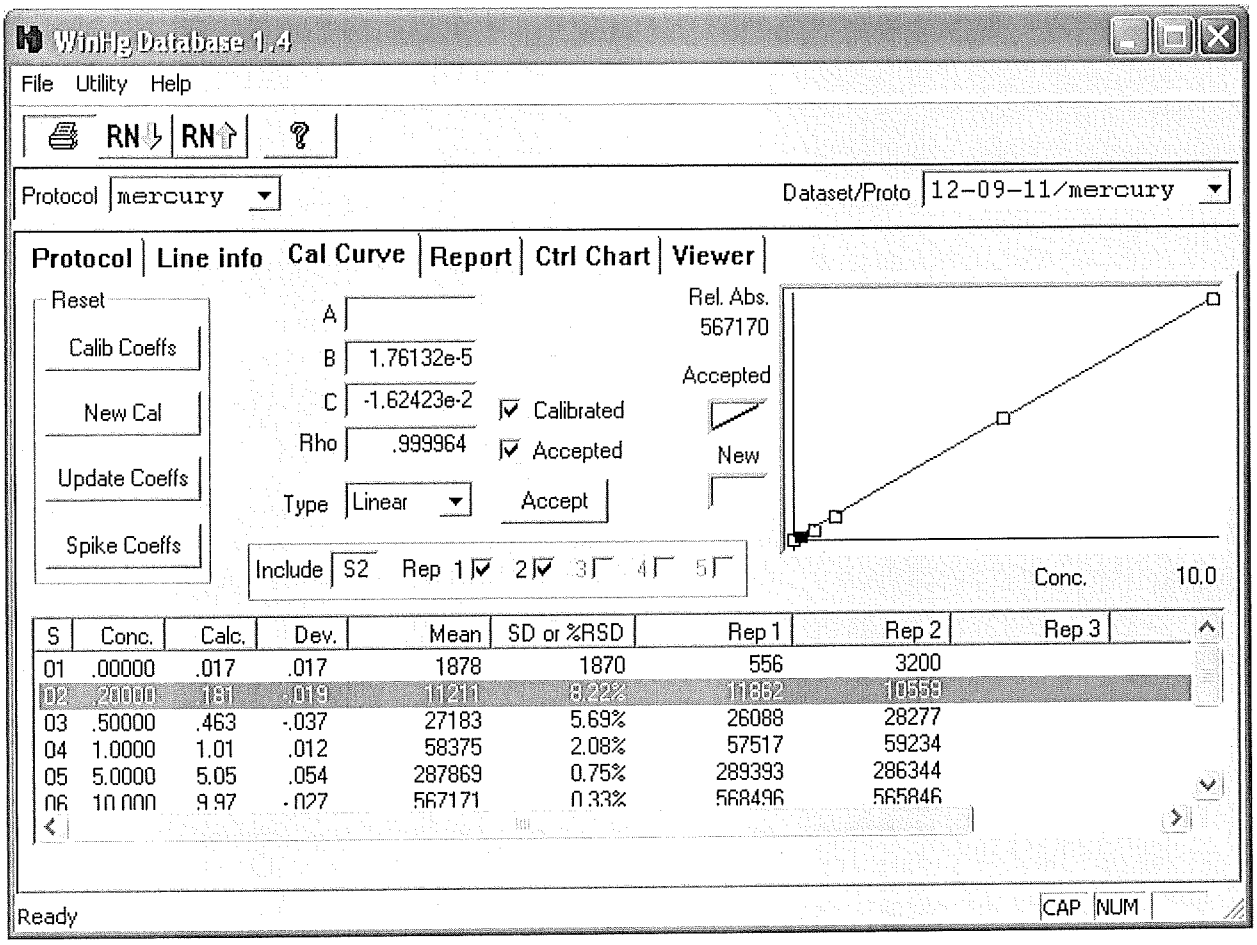
2nd Level Reviewer: _____ Date: _____

A. Calibration/Instrument Run QC	Yes	No	N/A
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels? "r" ≥ 0.995?	✓		
2. Instrument Performance Check beginning of run? 245.1: ±5%	✓		
3. ICV/CCV analyzed at appropriate frequency (every 10 samples) and within control limits? 245.1: ±5% ICV, ±10% CCV; 7470/71:±10% ICV, ±20% CCV	✓		
4. ICB/CCB analyzed at appropriate frequency (every 10 samples) and within < Report Limit?	✓		
B. Sample Results			
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed? (dilute to mid-pt of curve)	✓		
2. All reported results bracketed by in control QC?	✓		
3. Sample analyses done within holding time (28days)? If not, NCM generated?	✓		
C. Preparation/Matrix QC			
1. LCS done per prep batch and within QC limits? 245.1: 85-115%, 7470: 80-120%	✓		
2. LCSD RPD aqueous 20%			✓
3. LCSSRM/LCSDSRM (soil) manufactures limits, RPD 30%	✓	~~X~~ JB 12-9-11	
4. Method blank done per prep batch < RL	✓		
5. MS run at required frequency and within limits? 245.1: 1 per 10 field samples, 70-130%; 7470/71, 1:20, 75-125%	✓		
6. MSD or DU run at required frequency and RPD within limits aqueous ≤20%, solids ≤35%	✓		
D. Other			
1. Are all non-conformances documented appropriately?	✓		
2. Current MDL data on file? Annual LOD verification complete?	✓		
3. Calculations and transcriptions checked for error?	✓		
4. All client / project specific requirements met?	✓		
5. L4 data copied and attached to batch if required?	✓		
6. Date of analysis correct as reported in batch?	✓		

Comments:

_____

_____


WinHg Database 1.4
File Utility Help
RN RN
Protocol mercury
Dataset/Proto 12-09-11/mercury
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.76132e-5
C -1.62423e-2
Rho .999964
Type Linear
Calibrated
Accepted
Accept
Rel. Abs.
567170
Accepted
New
Include S2 Rep 1 2 3 4 5
Conc. 10.0
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 .017 .017 1878 1870 556 3200
02 .20000 .181 -.019 11211 8.22% 11862 10559
03 .50000 .463 -.037 27183 5.69% 26088 28277
04 1.0000 1.01 .012 58375 2.08% 57517 59234
05 5.0000 5.05 .054 287869 0.75% 289393 286344
06 10.000 9.97 -.027 567171 0.33% 568496 565846
Ready
CAP NUM

cup	sample ID	extended ID	weight	volume	? A D F P S U SC UI US C1..7
1	MB	84497	1.0000	1.0000	
2	LCSSRM	@5	1.0000	1.0000	
3	LCDSRM	@5	1.0000	1.0000	
4	37847A2G		1.0000	1.0000	
5	37847A2H	MS	1.0000	1.0000	
6	37847A2I	MSD	1.0000	1.0000	
7	37832A10C		1.0000	1.0000	
8	37847A1C		1.0000	1.0000	
9	37847A3C		1.0000	1.0000	
10	37847A4C		1.0000	1.0000	C4 C1
11	37847A5C		1.0000	1.0000	
12	37847A6C		1.0000	1.0000	
13	37847A8C		1.0000	1.0000	
14	37881A6E		1.0000	1.0000	
15	37839A1D		1.0000	1.0000	
16	37839B2B		1.0000	1.0000	
17	37839B3B		1.0000	1.0000	
18	37864B7A		1.0000	1.0000	
19	37864A8C		1.0000	1.0000	
20	37864A9C		1.0000	1.0000	C4 C1
21	13406A1C		1.0000	1.0000	
22	37960A1B		1.0000	1.0000	
23	37960A2B		1.0000	1.0000	
24	38006A1A		1.0000	1.0000	C4 C1
25			1.0000	1.0000	
26			1.0000	1.0000	
27			1.0000	1.0000	
28			1.0000	1.0000	
29			1.0000	1.0000	
30			1.0000	1.0000	
31			1.0000	1.0000	
32			1.0000	1.0000	
33			1.0000	1.0000	
34			1.0000	1.0000	
35			1.0000	1.0000	
36			1.0000	1.0000	
37			1.0000	1.0000	
38			1.0000	1.0000	
39			1.0000	1.0000	
40			1.0000	1.0000	
41			1.0000	1.0000	
42			1.0000	1.0000	
43			1.0000	1.0000	
44			1.0000	1.0000	

Hg Standards

ICV: High Purity Standards
Lot # 1030115
Exp. May 4, 2012

Intermediate Std. 25 mg/L PrepDate/Lot#: 082911
Expiration Date: 022912

Working Standard: 0.1 mg/L Prep Date/Lot#: 120611
Expiration Date: 121111

ICV Standard (5 ug/L): Prep Date/Lot#: 120911
Expiration Date: 121011

IPC: Spex Certi-Prep
Lot # 16-81Hg
Exp. March 30, 2012

Intermediate Std. 25 mg/L PrepDate/Lot#: 082911
Expiration Date: 022912

Working Standard: 0.1 mg/L Prep Date/Lot#: 120611
Expiration Date: 121111

IPC/CCV Standard (5 ug/L): Prep Date/Lot#: 120911
Expiration Date: 121011

Calibration Standards (Water):

Cal. Std. 1	0.2 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 2	0.5 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 3	1.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 4	5.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 5	10.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811

Calibration Standards (Soil):

Cal. Std. 1	0.2 ug/L	Prep Date/Lot #:	120911	Expires:	121011
Cal. Std. 2	0.5 ug/L	Prep Date/Lot #:	120911	Expires:	121011
Cal. Std. 3	1.0 ug/L	Prep Date/Lot #:	120911	Expires:	121011
Cal. Std. 4	5.0 ug/L	Prep Date/Lot #:	120911	Expires:	121011
Cal. Std. 5	10.0 ug/L	Prep Date/Lot #:	120911	Expires:	121011

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 0		11:03:06 09 Dec 11		HG
Hg	.000	ppb	-1721					
*** Standard: 1 Rep: 2				Seq: 1		11:04:58 09 Dec 11		HG
Hg	.000	ppb	2912					
*** Standard: 2 Rep: 1				Seq: 2		11:06:50 09 Dec 11		HG
Hg	.200	ppb	9464					
*** Standard: 2 Rep: 2				Seq: 3		11:08:46 09 Dec 11		HG
Hg	.200	ppb	9073					
*** Standard: 3 Rep: 1				Seq: 4		11:10:29 09 Dec 11		HG
Hg	.500	ppb	26088					
*** Standard: 3 Rep: 2				Seq: 5		11:12:16 09 Dec 11		HG
Hg	.500	ppb	28277					
*** Standard: 4 Rep: 1				Seq: 6		11:14:02 09 Dec 11		HG
Hg	1.00	ppb	57516					
*** Standard: 4 Rep: 2				Seq: 7		11:16:08 09 Dec 11		HG
Hg	1.00	ppb	59234					
*** Standard: 5 Rep: 1				Seq: 8		11:17:54 09 Dec 11		HG
Hg	5.00	ppb	289392					
*** Standard: 5 Rep: 2				Seq: 9		11:19:47 09 Dec 11		HG
Hg	5.00	ppb	286344					
*** Standard: 6 Rep: 1				Seq: 10		11:21:44 09 Dec 11		HG
Hg	10.0	ppb	568495					
*** Standard: 6 Rep: 2				Seq: 11		11:23:27 09 Dec 11		HG
Hg	10.0	ppb	565846					
*** Standard: 1 Rep: 1				Seq: 12		11:25:10 09 Dec 11		HG
Hg	.000	ppb	556					
*** Standard: 1 Rep: 2				Seq: 13		11:27:15 09 Dec 11		HG
Hg	.000	ppb	3200					

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 2 Rep: 1				Seq: 14		11:29:08 09 Dec 11			HG
Hg	.200	ppb	11978						
*** Standard: 2 Rep: 2				Seq: 15		11:31:01 09 Dec 11			HG
Hg	.200	ppb	7926						
*** Standard: 2 Rep: 1				Seq: 16		11:36:05 09 Dec 11			HG
Hg	.200	ppb	11862						
*** Standard: 2 Rep: 2				Seq: 17		11:38:26 09 Dec 11			HG
Hg	.200	ppb	10559						

*** Check Standard: 2 Ck2ICV				Seq: 18		11:40:08 09 Dec 11			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		101.	5.04	5.00	ppb	.000			

*** Check Standard: 3 Ck3IPC				Seq: 19		11:42:21 09 Dec 11			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		99.4	4.97	5.00	ppb	.000			

*** Check Standard: 5 Ck5ICB				Seq: 20		11:44:15 09 Dec 11			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		1.35	.001	.100	ppb	.000			

*** Sample ID: MB				Seq: 21		11:51:17 09 Dec 11			HG
			84497						
Hg	-.075	ppb	.000	-.075					
*** Sample ID: LCSSRM				Seq: 22		11:53:09 09 Dec 11			HG
			@5						
Hg	3.73	ppb	.000	3.73					
*** Sample ID: LCDSRM				Seq: 23		11:54:54 09 Dec 11			HG
			@5						
Hg	3.45	ppb	.000	3.45					
*** Sample ID: 37847A2G				Seq: 24		11:56:44 09 Dec 11			HG
Hg	.015	ppb	.000	.015					
*** Sample ID: 37847A2H				Seq: 25		11:58:27 09 Dec 11			HG
			MS						
Hg	4.72	ppb	.000	4.72					
*** Sample ID: 37847A2I				Seq: 26		12:00:09 09 Dec 11			HG
			MSD						
Hg	5.00	ppb	.000	5.00					
*** Sample ID: 37832A10C				Seq: 27		12:02:01 09 Dec 11			HG
Hg	.020	ppb	.000	.020					

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: 37847A1C				Seq: 28		12:03:46 09 Dec 11			HG
Hg	.027	ppb	.000	.027					
*** Sample ID: 37847A3C				Seq: 29		12:05:37 09 Dec 11			HG
Hg	.033	ppb	.000	.033					
*** Sample ID: 37847A4C				Seq: 30		12:07:18 09 Dec 11			HG
Hg	.091	ppb	.000	.091					
*** Check Standard: 4 Ck4CCV				Seq: 31		12:09:06 09 Dec 11			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		100.	5.01	5.00	ppb	.000			
*** Check Standard: 1 Ck1CCB				Seq: 32		12:10:47 09 Dec 11			HG
Line	Flag	Found	Range(+/-)	Units		SD/RSD			
Hg		-.007	.100	ppb		.000			
*** Sample ID: 37847A5C				Seq: 33		12:12:53 09 Dec 11			HG
Hg	.113	ppb	.000	.113					
*** Sample ID: 37847A6C				Seq: 34		12:14:40 09 Dec 11			HG
Hg	-.038	ppb	.000	-.038					
*** Sample ID: 37847A8C				Seq: 35		12:16:25 09 Dec 11			HG
Hg	-.039	ppb	.000	-.039					
*** Sample ID: 37881A6E				Seq: 36		12:18:21 09 Dec 11			HG
Hg	.046	ppb	.000	.046					
*** Sample ID: 37839A1D				Seq: 37		12:20:34 09 Dec 11			HG
Hg	.083	ppb	.000	.083					
*** Sample ID: 37839B2B				Seq: 38		12:22:16 09 Dec 11			HG
Hg	.022	ppb	.000	.022					
*** Sample ID: 37839B3B				Seq: 39		12:24:18 09 Dec 11			HG
Hg	-.004	ppb	.000	-.004					
*** Sample ID: 37864B7A				Seq: 40		12:26:29 09 Dec 11			HG
Hg	.065	ppb	.000	.065					
*** Sample ID: 37864A8C				Seq: 41		12:28:23 09 Dec 11			HG
Hg	.195	ppb	.000	.195					

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: 37864A9C              Seq:  42     12:30:10 09 Dec 11   HG

Hg    .011    ppb       .000      .011

*** Check Standard: 4  Ck4CCV        Seq:  43     12:31:53 09 Dec 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.4     4.97    5.00   ppb        .000

*** Check Standard: 1  Ck1CCB        Seq:  44     12:33:58 09 Dec 11   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .028     .100     ppb        .000

*** Sample ID: 13406A1C              Seq:  45     12:35:39 09 Dec 11   HG

Hg    1.35    ppb       .000     1.35

*** Sample ID: 37960A1B              Seq:  46     12:37:31 09 Dec 11   HG

Hg    .003    ppb       .000      .003

*** Sample ID: 37960A2B              Seq:  47     12:39:13 09 Dec 11   HG

Hg    .048    ppb       .000      .048

*** Sample ID: 38006A1A              Seq:  48     12:41:04 09 Dec 11   HG

Hg    .210    ppb       .000      .210

*** Check Standard: 4  Ck4CCV        Seq:  49     12:43:17 09 Dec 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.     5.01    5.00   ppb        .000

*** Check Standard: 1  Ck1CCB        Seq:  50     12:45:38 09 Dec 11   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .062     .100     ppb        .000
```

METALS BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Batch Number: 84078 Batch Start Date: 11/30/11 10:47 Batch Analyst: Gutul, Olga

Batch Method: 3050B Batch End Date: 12/01/11 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MetQCSoil 00002	stlma-3 00060	stlma2 00053	
MB 360-84078/1		3050B, 6010B		2.00 g	100 mL				
LCSSRM 360-84078/2		3050B, 6010B		1.00 g	100 mL	1 g			
LCDSRM 360-84078/3		3050B, 6010B		1.00 g	100 mL	1 g			
360-37832-A-1	BC-SO-SB301-0608	3050B, 6010B	T	1.63 g	100 mL				
360-37832-A-1 DU	BC-SO-SB301-0608	3050B, 6010B	T	1.62 g	100 mL				
360-37832-A-1 MS	BC-SO-SB301-0608	3050B, 6010B	T	1.63 g	100 mL		1 mL	1 mL	
360-37832-A-2	BC-SO-SB302-0810	3050B, 6010B	T	1.96 g	100 mL				
360-37832-A-3	BC-SO-SB133-0002	3050B, 6010B	T	1.90 g	100 mL				
360-37832-A-4	BC-SO-SBDUP01	3050B, 6010B	T	1.65 g	100 mL				
360-37832-A-5	BC-SO-SB131-1012	3050B, 6010B	T	1.71 g	100 mL				
360-37832-A-6	BC-SO-SB128-0002	3050B, 6010B	T	1.52 g	100 mL				
360-37832-A-7	BC-SO-SB303-0204	3050B, 6010B	T	1.74 g	100 mL				
360-37832-A-8	BC-SO-SB132-1012	3050B, 6010B	T	1.82 g	100 mL				
360-37832-A-9	BC-SO-SB129-0204	3050B, 6010B	T	1.84 g	100 mL				
360-37832-A-10	BC-SO-SB130-0810	3050B, 6010B	T	1.57 g	100 mL				

Batch Notes	
Hydrogen peroxide lot number	684607
Lot # of hydrochloric acid	692887
Logbook ID for diluted Nitric	690782
Lot # of Nitric Acid	688009
Hood ID or number	5
Hot Block ID number	1
Temperature	95 Degrees C

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Batch Number: 84495 Batch Start Date: 12/08/11 10:09 Batch Analyst: Gutul, Olga

Batch Method: 7471A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MetQCSoil 00002			
MB 360-84495/1		7471A, 7471A		0.20 g	50 mL				
LCSSRM 360-84495/2		7471A, 7471A		0.10 g	50 mL	0.1 g			
LCDSRM 360-84495/3		7471A, 7471A		0.10 g	50 mL	0.1 g			
360-37832-A-1	BC-SO-SB301-0608	7471A, 7471A	T	0.26 g	50 mL				
360-37832-A-2	BC-SO-SB302-0810	7471A, 7471A	T	0.28 g	50 mL				
360-37832-A-3	BC-SO-SB133-0002	7471A, 7471A	T	0.26 g	50 mL				
360-37832-A-4	BC-SO-SBDUP01	7471A, 7471A	T	0.28 g	50 mL				
360-37832-A-5	BC-SO-SB131-1012	7471A, 7471A	T	0.25 g	50 mL				
360-37832-A-6	BC-SO-SB128-0002	7471A, 7471A	T	0.28 g	50 mL				
360-37832-A-7	BC-SO-SB303-0204	7471A, 7471A	T	0.26 g	50 mL				
360-37832-A-8	BC-SO-SB132-1012	7471A, 7471A	T	0.22 g	50 mL				
360-37832-A-9	BC-SO-SB129-0204	7471A, 7471A	T	0.23 g	50 mL				

Batch Notes	
Lot # of hydrochloric acid	692887
Lot # of Nitric Acid	688009

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Batch Number: 84497 Batch Start Date: 12/08/11 10:14 Batch Analyst: Gutul, Olga

Batch Method: 7471A Batch End Date: 12/08/11 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MetQCSoil 00002			
MB 360-84497/1		7471A, 7471A		0.20 g	50 mL				
LCSSRM 360-84497/2		7471A, 7471A		0.10 g	50 mL	0.1 g			
LCDSRM 360-84497/3		7471A, 7471A		0.10 g	50 mL	0.1 g			
360-37832-A-10	BC-SO-SB130-0810	7471A, 7471A	T	0.21 g	50 mL				

Batch Notes	
Lot # of hydrochloric acid	692887
Lot # of Nitric Acid	688009
Hood ID or number	1
Potassium Permanganate Lot Number	678771

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-37832-1

SDG No.: 360-37832

Project: Beaton & Corbin Factory Site

Client Sample ID	Lab Sample ID
BC-SO-SB301-0608	360-37832-1
BC-SO-SB302-0810	360-37832-2
BC-SO-SB133-0002	360-37832-3
BC-SO-SBDUP01	360-37832-4
BC-SO-SB131-1012	360-37832-5
BC-SO-SB128-0002	360-37832-6
BC-SO-SB303-0204	360-37832-7
BC-SO-SB132-1012	360-37832-8
BC-SO-SB129-0204	360-37832-9
BC-SO-SB130-0810	360-37832-10

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-37832-1

SDG Number: 360-37832

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 04/01/2005 17:54

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-37832-1

SDG Number: 360-37832

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XMDL Date: 09/01/2006 10:27

Analyte	Wavelength/ Mass	XRL (%)	XMDL (%)
Percent Moisture		1	1
Percent Solids		1	1

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/30/2011 10:31 End Date: 11/30/2011 10:31

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
360-37832-1	1	T	10:31	X	X																		
360-37832-1 DU	1	T	10:31	X	X																		
360-37832-2	1	T	10:31	X	X																		
360-37832-3	1	T	10:31	X	X																		
360-37832-4	1	T	10:31	X	X																		
360-37832-5	1	T	10:31	X	X																		
360-37832-6	1	T	10:31	X	X																		
360-37832-7	1	T	10:31	X	X																		
360-37832-8	1	T	10:31	X	X																		
360-37832-9	1	T	10:31	X	X																		
360-37832-10	1	T	10:31	X	X																		
ZZZZZZ			10:31																				
ZZZZZZ			10:31																				
ZZZZZZ			10:31																				

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37832-1

SDG No.: 360-37832

Batch Number: 84063 Batch Start Date: 11/30/11 10:31 Batch Analyst: Gutul, Olga

Batch Method: Moisture Batch End Date: 12/01/11 09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
360-37832-A-1	BC-SO-SB301-0608	Moisture	T	0.99 g	14.80 g	11.76 g			
360-37832-A-1 DU	BC-SO-SB301-0608	Moisture	T	0.99 g	15.13 g	12.01 g			
360-37832-A-2	BC-SO-SB302-0810	Moisture	T	1.03 g	13.79 g	12.48 g			
360-37832-A-3	BC-SO-SB133-0002	Moisture	T	1.04 g	15.03 g	13.58 g			
360-37832-A-4	BC-SO-SBDUP01	Moisture	T	0.99 g	13.86 g	13.03 g			
360-37832-A-5	BC-SO-SB131-1012	Moisture	T	1.00 g	17.60 g	16.11 g			
360-37832-A-6	BC-SO-SB128-0002	Moisture	T	0.99 g	12.35 g	11.42 g			
360-37832-A-7	BC-SO-SB303-0204	Moisture	T	0.99 g	13.28 g	11.65 g			
360-37832-A-8	BC-SO-SB132-1012	Moisture	T	1.00 g	21.16 g	18.44 g			
360-37832-A-9	BC-SO-SB129-0204	Moisture	T	0.99 g	16.56 g	15.64 g			
360-37832-A-10	BC-SO-SB130-0810	Moisture	T	1.02 g	20.17 g	17.84 g			

Batch Notes	

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 360-37832-1
SDG Number: 360-37832

Login Number: 37832
List Source: TestAmerica Westfield
List Number: 1
Creator: Beaumier, Janine E

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: R Clark	Lab PM:	Carrier Tracking No(s):	COC No: 017290
Client Contact: Keith Westberry	Phone: 860 617 3948	E-Mail:		Page: 1 of 2
Company: Etech				Job #:
Address: PO Box 2426	Due Date Requested: Contact Keith			
City: Lindale	TAT Requested (days): Contact Keith			
State, Zip: TX 75771				
Phone: 903-881-8390	Quote #:			
Email: Keith@etech.com	PO #:			
Project Name/number: Beaton + Corbin	WO #:			
Site: Southington Ct	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, Z - other (specify)

Regulatory programs:
MCP ☐ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC (EJ)	EPH, metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	X				
BC-SO-SB301-0608	11/28/11	1503						✓	✓		Freeze or analyze VOC upon reciept.
BC-SO-SB302-0810		1540						✓	✓		
BC-SO-SB133-0002		1337						✓	✓		
BC-SO-SBDUP01		0000						✓	✓		
BC-SO-SB131-1012		1405						✓	✓		
BC-SO-SB128-0002		1215						✓	✓		
~~BC-SO-SB133-0204~~		~~1600~~						✓	✓		
BC-SO-SB303-0204		1600						✓	✓		
BC-SO-SB132-1012		1200						✓	✓		
BC-SO-SB129-0204		1050						✓	✓		

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
R Clark	11-29-11 / 9:30	for Etech	JRBC	11-29-11-930	
JRBC	11-29-11 - 11:50				

Custody Seals Intact: Δ Yes ✓ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.5/3.6°C w/ ice

TAL-8245-360 0310

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: R Clark	Lab PM:	Carrier Tracking No(s):	COC No: 017291
Client Contact: Keith Westberry	Phone: 860 617 3948	E-Mail:		Page: 2 of 2
Company: ETech				Job #:
Address: PO Box 2426	Due Date Requested: Contact			
City: Lindale	TAT Requested (days): Keith			
State, Zip: TX 75771				
Phone: 903-881-8390	Quote #:			
Email: Keith@etech.com	PO #:			
Project Name/number: Beaton + Corbin	WO #:			
Site: Southington CT	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, Z - other (specify)

Regulatory programs:
MCP ☐ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC (E,J) EPH Metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	X			
BC-SO-SB130-0810	11/28/11	1040						✓		Freeze or analyze VOC upon receipt
BC-TB-112811	11/28/11	0900						✓		

SB 11/29/11

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company
[signature]	11/29/11 0930	TTNCS	[signature]	11-29-11 9:30	
[signature]	11-29-11 11:50		[signature]	11/29/11 11:50	

Custody Seals Intact: Δ Yes ☒ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.5/3.6°C w/ ice

TAL-8245-360 0310

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 360-37847-1

SDG Number: 360-37847

Job Description: Beaton & Corbin Factory Site

For:
Etech Environmental & Safety Solutions
14395 County Road 434
Lindale, TX 75771

Attention: Mr. Keith Westberry

Approved for release.
Chris F Reynolds
QA Manager
12/14/2011 1:12 PM

Designee for
Lisa A Worthington
Project Manager II
lisa.worthington@testamericainc.com
12/14/2011

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, NELAP NH DES 2539, NELAP NY 10843, NY ELAP 10843, North Carolina 647. 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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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Etech Environmental & Safety Solutions**
Project Location:	**Southington CT**	***Project Number:***	**360-37847-1**
Laboratory Sample ID (s):	**360-37847-(1-8)**	***Sampling Date (s):***	**11/29/11**
Method:	**SW846 8260B, SW846 6010B, SW846 7471A**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

This Certification form is to be used for RCP methods only

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

Authorized Signature: Christine Lucinda Reynolds Position: Quality Assurance Manager

Printed Name: Christine Reynolds Date: 12/14/11 13:00

The certification form has been electronically signed and approved. Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Etech Environmental & Safety Solutions**
Project Location:	**Southington CT**	***Project Number:***	**360-37847-1**
Laboratory Sample ID (s):	**360-37832-(1-6, 8)**	***Sampling Date (s):***	**11/29/11**
Method:	**MA DEP MA-EPH**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes √	N/A	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes		No √
	b) Were these reporting limits met?	Yes	N/A √	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

This Certification form is to be used for RCP methods only

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

Authorized Signature: Christine Lucente Reynolds Position: Quality Assurance Manager

Printed Name: Christine Reynolds Date: 12/14/11 13:00

The certification form has been electronically signed and approved. Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CASE NARRATIVE

Client: Etech Environmental & Safety Solutions

Project: Beaton & Corbin Factory Site

Report Number: 360-37847-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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 11/30/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.3 C.

Regarding questions 5a and 5b on the CT RCP certification form, the laboratory has evaluated reporting limits against the most stringent class criteria in the absence of a specified class on the chain-of-custody.

The LCS Duplicate (LCSD) is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples BC-SO-SB304-0406 (360-37847-1), BC-SO-SB308-1012 (360-37847-2), BC-SO-SB305-1012 (360-37847-3), BC-SO-SB306-1012 (360-37847-4), BC-SO-SB305-0203 (360-37847-5), BC-SO-SB307-0810 (360-37847-6), BC-TB-112911 (360-37847-7) and BC-SO-SB200A-0406 (360-37847-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B (RCP). The samples were prepared and analyzed on 12/12/2011.

All samples submitted in water preserved vials for volatile analysis were placed in the laboratory's freezer on 11/30/2011 at 1200.

2-Hexanone, 4-Methyl-2-pentanone (MIBK), Carbon disulfide and trans-1,4-Dichloro-2-butene failed the recovery criteria high for LCS 360-84699/1-A. Refer to the QC report for details.

Several analytes failed the recovery criteria high for the MS and MSD of sample BC-SO-SB308-1012 (360-37847-2) in batch 360-84698. Refer to the QC report for details.

The calibration curve used quadratic regression for trans-1,4-Dichloro-2-butene.

The desired reagent water to soil ratio was high and outside of the method guidance limits of 1:1 ± 25% for samples BC-SO-SB304-0406 (360-37847-1), BC-SO-SB305-1012 (360-37847-3), BC-SO-SB307-0810 (360-37847-6).

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS

Samples BC-SO-SB304-0406 (360-37847-1), BC-SO-SB308-1012 (360-37847-2), BC-SO-SB305-1012 (360-37847-3), BC-SO-SB306-1012 (360-37847-4), BC-SO-SB305-0203 (360-37847-5), BC-SO-SB307-0810 (360-37847-6) and BC-SO-SB200A-0406 (360-37847-8) were analyzed for extractable petroleum hydrocarbons in accordance with MA DEP MA-EPH. The samples were prepared on 11/30/2011 and analyzed on 12/12/2011.

According to EPH method reference 11.2.6.2, using GC/MS, the laboratory has identified a single component contaminant that appears at the same retention time in all laboratory and field samples. This contaminant is derived from the method's SPE cartridge and is not included in the calculation of the C11-C22 Aromatics range.

No difficulties were encountered during the EPH analyses.

All quality control parameters were within the acceptance limits.

METALS (ICP)
Samples BC-SO-SB304-0406 (360-37847-1), BC-SO-SB308-1012 (360-37847-2), BC-SO-SB305-1012 (360-37847-3), BC-SO-SB306-1012 (360-37847-4), BC-SO-SB305-0203 (360-37847-5), BC-SO-SB307-0810 (360-37847-6) and BC-SO-SB200A-0406 (360-37847-8) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 12/02/2011.

For batch 84306, the closing interference check standard (ICS) AB was not valid. The sample cup went dry before the instrument finished reading the standard.

Sample BC-SO-SB305-0203 (360-37847-5)[50X] required dilution prior to analysis due to high non-target concentration. The reporting limits have been adjusted accordingly.

At the request of the client, an abbreviated RCP analyte list (EPA RCRA 8) was reported for this job.

No difficulties were encountered during the total metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples BC-SO-SB304-0406 (360-37847-1), BC-SO-SB308-1012 (360-37847-2), BC-SO-SB305-1012 (360-37847-3), BC-SO-SB306-1012 (360-37847-4), BC-SO-SB305-0203 (360-37847-5), BC-SO-SB307-0810 (360-37847-6) and BC-SO-SB200A-0406 (360-37847-8) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A (RCP). The samples were prepared on 12/08/2011 and analyzed on 12/09/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS
Samples BC-SO-SB304-0406 (360-37847-1), BC-SO-SB308-1012 (360-37847-2), BC-SO-SB305-1012 (360-37847-3), BC-SO-SB306-1012 (360-37847-4), BC-SO-SB305-0203 (360-37847-5), BC-SO-SB307-0810 (360-37847-6) and BC-SO-SB200A-0406 (360-37847-8) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 12/01/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-37847-1	BC-SO-SB304-0406	Solid	11/29/2011 1320	11/30/2011 1035
360-37847-2	BC-SO-SB308-1012	Solid	11/29/2011 1120	11/30/2011 1035
360-37847-2MS	BC-SO-SB308-1012	Solid	11/29/2011 1120	11/30/2011 1035
360-37847-2MSD	BC-SO-SB308-1012	Solid	11/29/2011 1120	11/30/2011 1035
360-37847-3	BC-SO-SB305-1012	Solid	11/29/2011 0900	11/30/2011 1035
360-37847-4	BC-SO-SB306-1012	Solid	11/29/2011 0955	11/30/2011 1035
360-37847-5	BC-SO-SB305-0203	Solid	11/29/2011 0845	11/30/2011 1035
360-37847-6	BC-SO-SB307-0810	Solid	11/29/2011 1440	11/30/2011 1035
360-37847-7	BC-TB-112911	Solid	11/29/2011 0900	11/30/2011 1035
360-37847-8	BC-SO-SB200A-0406	Solid	11/29/2011 1535	11/30/2011 1035

EXECUTIVE SUMMARY - Detections

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
360-37847-1	**BC-SO-SB304-0406**					
Barium		45		0.79	mg/Kg	6010B
Chromium		44		0.79	mg/Kg	6010B
Lead		59		0.79	mg/Kg	6010B
Percent Moisture		17		1.0	%	Moisture
Percent Solids		83		1.0	%	Moisture
360-37847-2	**BC-SO-SB308-1012**					
Trichloroethene		4.9		2.5	ug/Kg	8260B
C11-C22 Aromatics (unadjusted)		3.9		3.9	mg/Kg	MA-EPH
C11-C22 Aromatics (Adjusted)		3.9		3.9	mg/Kg	MA-EPH
Total EPH		3.9		3.9	mg/Kg	MA-EPH
Arsenic		1.5		1.4	mg/Kg	6010B
Barium		110		0.69	mg/Kg	6010B
Chromium		21		0.69	mg/Kg	6010B
Lead		4.7		0.69	mg/Kg	6010B
Percent Moisture		15		1.0	%	Moisture
Percent Solids		85		1.0	%	Moisture
360-37847-3	**BC-SO-SB305-1012**					
Arsenic		1.4		1.4	mg/Kg	6010B
Barium		50		0.72	mg/Kg	6010B
Cadmium		4.6		0.29	mg/Kg	6010B
Chromium		79		0.72	mg/Kg	6010B
Lead		4.8		0.72	mg/Kg	6010B
Percent Moisture		15		1.0	%	Moisture
Percent Solids		85		1.0	%	Moisture
360-37847-4	**BC-SO-SB306-1012**					
Trichloroethene		12		2.4	ug/Kg	8260B
Barium		75		0.66	mg/Kg	6010B
Chromium		19		0.66	mg/Kg	6010B
Lead		6.4		0.66	mg/Kg	6010B
Percent Moisture		12		1.0	%	Moisture
Percent Solids		88		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
360-37847-5	**BC-SO-SB305-0203**					
C11-C22 Aromatics (unadjusted)		5.8		3.8	mg/Kg	MA-EPH
C11-C22 Aromatics (Adjusted)		5.8		3.8	mg/Kg	MA-EPH
C19-C36 Aliphatics		13		3.8	mg/Kg	MA-EPH
Total EPH		19		3.8	mg/Kg	MA-EPH
Chromium		9700		33	mg/Kg	6010B
Lead		48		33	mg/Kg	6010B
Percent Moisture		15		1.0	%	Moisture
Percent Solids		85		1.0	%	Moisture
360-37847-6	**BC-SO-SB307-0810**					
1,1,1-Trichloroethane		4.8		2.0	ug/Kg	8260B
Trichloroethene		10		2.0	ug/Kg	8260B
Arsenic		1.7		1.5	mg/Kg	6010B
Barium		140		0.76	mg/Kg	6010B
Chromium		36		0.76	mg/Kg	6010B
Lead		5.0		0.76	mg/Kg	6010B
Percent Moisture		16		1.0	%	Moisture
Percent Solids		84		1.0	%	Moisture
360-37847-8	**BC-SO-SB200A-0406**					
Barium		10		0.56	mg/Kg	6010B
Chromium		6.0		0.56	mg/Kg	6010B
Lead		2.1		0.56	mg/Kg	6010B
Percent Moisture		7.7		1.0	%	Moisture
Percent Solids		92		1.0	%	Moisture

METHOD SUMMARY

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

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
Massachusetts - Extractable Petroleum Hydrocarbons (GC)	TAL WFD	MA DEP MA-EPH	
Microwave Extraction	TAL WFD		SW846 3546
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Metals	TAL WFD		SW846 3050B
Mercury (CVAA)	TAL WFD	SW846 7471A	
Preparation, Mercury	TAL WFD		SW846 7471A
Percent Moisture	TAL WFD	EPA Moisture	

Lab References:

TAL WFD = TestAmerica Westfield

Method References:

EPA = US Environmental Protection Agency

MA DEP = Massachusetts Department Of Environmental Protection

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

METHOD / ANALYST SUMMARY

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Method	Analyst	Analyst ID
SW846 8260B	Weigel, Brian	BW
MA DEP MA-EPH	Malanowski, Victoria M	VMM
SW846 6010B	Smith, Tim J	TJS
SW846 7471A	Smith, Tim J	TJS
EPA Moisture	Gutul, Olga	OG

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB304-0406**

Lab Sample ID: 360-37847-1
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 11/29/2011 1320
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55296.D
Dilution:	1.0			Initial Weight/Volume:	7.43 g
Analysis Date:	12/12/2011 1837			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.0
1,1,1-Trichloroethane		ND		2.0
1,1,2,2-Tetrachloroethane		ND		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		10
1,1,2-Trichloroethane		ND		2.0
1,1-Dichloroethane		ND		2.0
1,1-Dichloroethene		ND		2.0
1,1-Dichloropropene		ND		2.0
1,2,3-Trichlorobenzene		ND		2.0
1,2,3-Trichloropropane		ND		2.0
1,2,4-Trichlorobenzene		ND		2.0
1,2,4-Trimethylbenzene		ND		2.0
1,2-Dibromo-3-Chloropropane		ND		20
1,2-Dichlorobenzene		ND		2.0
1,2-Dichloroethane		ND		2.0
1,2-Dichloropropane		ND		2.0
1,3,5-Trimethylbenzene		ND		2.0
1,3-Dichlorobenzene		ND		2.0
1,3-Dichloropropane		ND		2.0
1,4-Dichlorobenzene		ND		2.0
2,2-Dichloropropane		ND		2.0
2-Butanone (MEK)		ND		20
2-Chlorotoluene		ND		2.0
2-Hexanone		ND	*	20
4-Chlorotoluene		ND		2.0
4-Isopropyltoluene		ND		2.0
4-Methyl-2-pentanone (MIBK)		ND	*	20
Acetone		ND		200
Acrylonitrile		ND		20
Benzene		ND		2.0
Bromobenzene		ND		2.0
Bromoform		ND		2.0
Bromomethane		ND		4.1
Carbon disulfide		ND	*	2.0
Carbon tetrachloride		ND		2.0
Chlorobenzene		ND		2.0
Chlorodibromomethane		ND		2.0
Chloroethane		ND		4.1
Chloroform		ND		2.0
Chloromethane		ND		4.1
cis-1,2-Dichloroethene		ND		2.0
cis-1,3-Dichloropropene		ND		2.0
Dibromomethane		ND		2.0
Dichlorobromomethane		ND		2.0
Dichlorodifluoromethane		ND		4.1
Ethylbenzene		ND		2.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB304-0406**

Lab Sample ID: 360-37847-1
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 11/29/2011 1320
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55296.D
Dilution:	1.0			Initial Weight/Volume:	7.43 g
Analysis Date:	12/12/2011 1837			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.0
Hexachlorobutadiene		ND		2.0
Isopropylbenzene		ND		2.0
m-Xylene & p-Xylene		ND		4.1
Methyl tert-butyl ether		ND		2.0
Methylene Chloride		ND		8.1
n-Butylbenzene		ND		2.0
N-Propylbenzene		ND		2.0
Naphthalene		ND		20
o-Xylene		ND		2.0
sec-Butylbenzene		ND		2.0
Styrene		ND		2.0
tert-Butylbenzene		ND		2.0
Tetrachloroethene		ND		2.0
Tetrahydrofuran		ND		41
Toluene		ND		2.0
trans-1,2-Dichloroethene		ND		2.0
trans-1,3-Dichloropropene		ND		2.0
trans-1,4-Dichloro-2-butene		ND	*	4.1
Trichloroethene		ND		2.0
Trichlorofluoromethane		ND		4.1
Vinyl chloride		ND		2.0
Xylenes, Total		ND		4.1

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB308-1012**

Lab Sample ID: 360-37847-2
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 11/29/2011 1120
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55297.D
Dilution:	1.0			Initial Weight/Volume:	5.96 g
Analysis Date:	12/12/2011 1902			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.5
1,1,1-Trichloroethane		ND		2.5
1,1,2,2-Tetrachloroethane		ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		12
1,1,2-Trichloroethane		ND		2.5
1,1-Dichloroethane		ND		2.5
1,1-Dichloroethene		ND		2.5
1,1-Dichloropropene		ND		2.5
1,2,3-Trichlorobenzene		ND		2.5
1,2,3-Trichloropropane		ND		2.5
1,2,4-Trichlorobenzene		ND		2.5
1,2,4-Trimethylbenzene		ND		2.5
1,2-Dibromo-3-Chloropropane		ND		25
1,2-Dichlorobenzene		ND		2.5
1,2-Dichloroethane		ND		2.5
1,2-Dichloropropane		ND		2.5
1,3,5-Trimethylbenzene		ND		2.5
1,3-Dichlorobenzene		ND		2.5
1,3-Dichloropropane		ND		2.5
1,4-Dichlorobenzene		ND		2.5
2,2-Dichloropropane		ND		2.5
2-Butanone (MEK)		ND		25
2-Chlorotoluene		ND		2.5
2-Hexanone		ND	*	25
4-Chlorotoluene		ND		2.5
4-Isopropyltoluene		ND		2.5
4-Methyl-2-pentanone (MIBK)		ND	*	25
Acetone		ND		250
Acrylonitrile		ND		25
Benzene		ND		2.5
Bromobenzene		ND		2.5
Bromoform		ND		2.5
Bromomethane		ND		4.9
Carbon disulfide		ND	*	2.5
Carbon tetrachloride		ND		2.5
Chlorobenzene		ND		2.5
Chlorodibromomethane		ND		2.5
Chloroethane		ND		4.9
Chloroform		ND		2.5
Chloromethane		ND		4.9
cis-1,2-Dichloroethene		ND		2.5
cis-1,3-Dichloropropene		ND		2.5
Dibromomethane		ND		2.5
Dichlorobromomethane		ND		2.5
Dichlorodifluoromethane		ND		4.9
Ethylbenzene		ND		2.5

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB308-1012**

Lab Sample ID: 360-37847-2
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 11/29/2011 1120
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55297.D
Dilution:	1.0			Initial Weight/Volume:	5.96 g
Analysis Date:	12/12/2011 1902			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.5
Hexachlorobutadiene		ND		2.5
Isopropylbenzene		ND		2.5
m-Xylene & p-Xylene		ND		4.9
Methyl tert-butyl ether		ND		2.5
Methylene Chloride		ND		9.9
n-Butylbenzene		ND		2.5
N-Propylbenzene		ND		2.5
Naphthalene		ND		25
o-Xylene		ND		2.5
sec-Butylbenzene		ND		2.5
Styrene		ND		2.5
tert-Butylbenzene		ND		2.5
Tetrachloroethene		ND		2.5
Tetrahydrofuran		ND		49
Toluene		ND		2.5
trans-1,2-Dichloroethene		ND		2.5
trans-1,3-Dichloropropene		ND		2.5
trans-1,4-Dichloro-2-butene		ND	*	4.9
Trichloroethene		4.9		2.5
Trichlorofluoromethane		ND		4.9
Vinyl chloride		ND		2.5
Xylenes, Total		ND		4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-1012**

Lab Sample ID: 360-37847-3
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 11/29/2011 0900
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55298.D
Dilution:	1.0			Initial Weight/Volume:	6.67 g
Analysis Date:	12/12/2011 1928			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.2
1,1,1-Trichloroethane		ND		2.2
1,1,2,2-Tetrachloroethane		ND		2.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		11
1,1,2-Trichloroethane		ND		2.2
1,1-Dichloroethane		ND		2.2
1,1-Dichloroethene		ND		2.2
1,1-Dichloropropene		ND		2.2
1,2,3-Trichlorobenzene		ND		2.2
1,2,3-Trichloropropane		ND		2.2
1,2,4-Trichlorobenzene		ND		2.2
1,2,4-Trimethylbenzene		ND		2.2
1,2-Dibromo-3-Chloropropane		ND		22
1,2-Dichlorobenzene		ND		2.2
1,2-Dichloroethane		ND		2.2
1,2-Dichloropropane		ND		2.2
1,3,5-Trimethylbenzene		ND		2.2
1,3-Dichlorobenzene		ND		2.2
1,3-Dichloropropane		ND		2.2
1,4-Dichlorobenzene		ND		2.2
2,2-Dichloropropane		ND		2.2
2-Butanone (MEK)		ND		22
2-Chlorotoluene		ND		2.2
2-Hexanone		ND	*	22
4-Chlorotoluene		ND		2.2
4-Isopropyltoluene		ND		2.2
4-Methyl-2-pentanone (MIBK)		ND	*	22
Acetone		ND		220
Acrylonitrile		ND		22
Benzene		ND		2.2
Bromobenzene		ND		2.2
Bromoform		ND		2.2
Bromomethane		ND		4.4
Carbon disulfide		ND	*	2.2
Carbon tetrachloride		ND		2.2
Chlorobenzene		ND		2.2
Chlorodibromomethane		ND		2.2
Chloroethane		ND		4.4
Chloroform		ND		2.2
Chloromethane		ND		4.4
cis-1,2-Dichloroethene		ND		2.2
cis-1,3-Dichloropropene		ND		2.2
Dibromomethane		ND		2.2
Dichlorobromomethane		ND		2.2
Dichlorodifluoromethane		ND		4.4
Ethylbenzene		ND		2.2

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-1012**

Lab Sample ID: 360-37847-3
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 11/29/2011 0900
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55298.D
Dilution:	1.0			Initial Weight/Volume:	6.67 g
Analysis Date:	12/12/2011 1928			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.2
Hexachlorobutadiene		ND		2.2
Isopropylbenzene		ND		2.2
m-Xylene & p-Xylene		ND		4.4
Methyl tert-butyl ether		ND		2.2
Methylene Chloride		ND		8.8
n-Butylbenzene		ND		2.2
N-Propylbenzene		ND		2.2
Naphthalene		ND		22
o-Xylene		ND		2.2
sec-Butylbenzene		ND		2.2
Styrene		ND		2.2
tert-Butylbenzene		ND		2.2
Tetrachloroethene		ND		2.2
Tetrahydrofuran		ND		44
Toluene		ND		2.2
trans-1,2-Dichloroethene		ND		2.2
trans-1,3-Dichloropropene		ND		2.2
trans-1,4-Dichloro-2-butene		ND	*	4.4
Trichloroethene		ND		2.2
Trichlorofluoromethane		ND		4.4
Vinyl chloride		ND		2.2
Xylenes, Total		ND		4.4

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

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB306-1012**

Lab Sample ID: 360-37847-4
Client Matrix: Solid
% Moisture: 12.0

Date Sampled: 11/29/2011 0955
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55299.D
Dilution:	1.0			Initial Weight/Volume:	5.99 g
Analysis Date:	12/12/2011 1953			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.4
1,1,1-Trichloroethane		ND		2.4
1,1,2,2-Tetrachloroethane		ND		2.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		12
1,1,2-Trichloroethane		ND		2.4
1,1-Dichloroethane		ND		2.4
1,1-Dichloroethene		ND		2.4
1,1-Dichloropropene		ND		2.4
1,2,3-Trichlorobenzene		ND		2.4
1,2,3-Trichloropropane		ND		2.4
1,2,4-Trichlorobenzene		ND		2.4
1,2,4-Trimethylbenzene		ND		2.4
1,2-Dibromo-3-Chloropropane		ND		24
1,2-Dichlorobenzene		ND		2.4
1,2-Dichloroethane		ND		2.4
1,2-Dichloropropane		ND		2.4
1,3,5-Trimethylbenzene		ND		2.4
1,3-Dichlorobenzene		ND		2.4
1,3-Dichloropropane		ND		2.4
1,4-Dichlorobenzene		ND		2.4
2,2-Dichloropropane		ND		2.4
2-Butanone (MEK)		ND		24
2-Chlorotoluene		ND		2.4
2-Hexanone		ND	*	24
4-Chlorotoluene		ND		2.4
4-Isopropyltoluene		ND		2.4
4-Methyl-2-pentanone (MIBK)		ND	*	24
Acetone		ND		240
Acrylonitrile		ND		24
Benzene		ND		2.4
Bromobenzene		ND		2.4
Bromoform		ND		2.4
Bromomethane		ND		4.7
Carbon disulfide		ND	*	2.4
Carbon tetrachloride		ND		2.4
Chlorobenzene		ND		2.4
Chlorodibromomethane		ND		2.4
Chloroethane		ND		4.7
Chloroform		ND		2.4
Chloromethane		ND		4.7
cis-1,2-Dichloroethene		ND		2.4
cis-1,3-Dichloropropene		ND		2.4
Dibromomethane		ND		2.4
Dichlorobromomethane		ND		2.4
Dichlorodifluoromethane		ND		4.7
Ethylbenzene		ND		2.4

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB306-1012**

Lab Sample ID: 360-37847-4
Client Matrix: Solid
% Moisture: 12.0

Date Sampled: 11/29/2011 0955
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55299.D
Dilution:	1.0			Initial Weight/Volume:	5.99 g
Analysis Date:	12/12/2011 1953			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.4
Hexachlorobutadiene		ND		2.4
Isopropylbenzene		ND		2.4
m-Xylene & p-Xylene		ND		4.7
Methyl tert-butyl ether		ND		2.4
Methylene Chloride		ND		9.5
n-Butylbenzene		ND		2.4
N-Propylbenzene		ND		2.4
Naphthalene		ND		24
o-Xylene		ND		2.4
sec-Butylbenzene		ND		2.4
Styrene		ND		2.4
tert-Butylbenzene		ND		2.4
Tetrachloroethene		ND		2.4
Tetrahydrofuran		ND		47
Toluene		ND		2.4
trans-1,2-Dichloroethene		ND		2.4
trans-1,3-Dichloropropene		ND		2.4
trans-1,4-Dichloro-2-butene		ND	*	4.7
Trichloroethene		12		2.4
Trichlorofluoromethane		ND		4.7
Vinyl chloride		ND		2.4
Xylenes, Total		ND		4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-0203**

Lab Sample ID: 360-37847-5
Client Matrix: Solid
% Moisture: 15.5

Date Sampled: 11/29/2011 0845
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55300.D
Dilution:	1.0			Initial Weight/Volume:	4.56 g
Analysis Date:	12/12/2011 2019			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		3.2
1,1,1-Trichloroethane		ND		3.2
1,1,2,2-Tetrachloroethane		ND		3.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		16
1,1,2-Trichloroethane		ND		3.2
1,1-Dichloroethane		ND		3.2
1,1-Dichloroethene		ND		3.2
1,1-Dichloropropene		ND		3.2
1,2,3-Trichlorobenzene		ND		3.2
1,2,3-Trichloropropane		ND		3.2
1,2,4-Trichlorobenzene		ND		3.2
1,2,4-Trimethylbenzene		ND		3.2
1,2-Dibromo-3-Chloropropane		ND		32
1,2-Dichlorobenzene		ND		3.2
1,2-Dichloroethane		ND		3.2
1,2-Dichloropropane		ND		3.2
1,3,5-Trimethylbenzene		ND		3.2
1,3-Dichlorobenzene		ND		3.2
1,3-Dichloropropane		ND		3.2
1,4-Dichlorobenzene		ND		3.2
2,2-Dichloropropane		ND		3.2
2-Butanone (MEK)		ND		32
2-Chlorotoluene		ND		3.2
2-Hexanone		ND	*	32
4-Chlorotoluene		ND		3.2
4-Isopropyltoluene		ND		3.2
4-Methyl-2-pentanone (MIBK)		ND	*	32
Acetone		ND		320
Acrylonitrile		ND		32
Benzene		ND		3.2
Bromobenzene		ND		3.2
Bromoform		ND		3.2
Bromomethane		ND		6.5
Carbon disulfide		ND	*	3.2
Carbon tetrachloride		ND		3.2
Chlorobenzene		ND		3.2
Chlorodibromomethane		ND		3.2
Chloroethane		ND		6.5
Chloroform		ND		3.2
Chloromethane		ND		6.5
cis-1,2-Dichloroethene		ND		3.2
cis-1,3-Dichloropropene		ND		3.2
Dibromomethane		ND		3.2
Dichlorobromomethane		ND		3.2
Dichlorodifluoromethane		ND		6.5
Ethylbenzene		ND		3.2

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-0203**

Lab Sample ID: 360-37847-5
Client Matrix: Solid
% Moisture: 15.5

Date Sampled: 11/29/2011 0845
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55300.D
Dilution:	1.0			Initial Weight/Volume:	4.56 g
Analysis Date:	12/12/2011 2019			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		3.2
Hexachlorobutadiene		ND		3.2
Isopropylbenzene		ND		3.2
m-Xylene & p-Xylene		ND		6.5
Methyl tert-butyl ether		ND		3.2
Methylene Chloride		ND		13
n-Butylbenzene		ND		3.2
N-Propylbenzene		ND		3.2
Naphthalene		ND		32
o-Xylene		ND		3.2
sec-Butylbenzene		ND		3.2
Styrene		ND		3.2
tert-Butylbenzene		ND		3.2
Tetrachloroethene		ND		3.2
Tetrahydrofuran		ND		65
Toluene		ND		3.2
trans-1,2-Dichloroethene		ND		3.2
trans-1,3-Dichloropropene		ND		3.2
trans-1,4-Dichloro-2-butene		ND	*	6.5
Trichloroethene		ND		3.2
Trichlorofluoromethane		ND		6.5
Vinyl chloride		ND		3.2
Xylenes, Total		ND		6.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB307-0810**

Lab Sample ID: 360-37847-6
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 11/29/2011 1440
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55301.D
Dilution:	1.0			Initial Weight/Volume:	7.32 g
Analysis Date:	12/12/2011 2044			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.0
1,1,1-Trichloroethane		4.8		2.0
1,1,2,2-Tetrachloroethane		ND		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		10
1,1,2-Trichloroethane		ND		2.0
1,1-Dichloroethane		ND		2.0
1,1-Dichloroethene		ND		2.0
1,1-Dichloropropene		ND		2.0
1,2,3-Trichlorobenzene		ND		2.0
1,2,3-Trichloropropane		ND		2.0
1,2,4-Trichlorobenzene		ND		2.0
1,2,4-Trimethylbenzene		ND		2.0
1,2-Dibromo-3-Chloropropane		ND		20
1,2-Dichlorobenzene		ND		2.0
1,2-Dichloroethane		ND		2.0
1,2-Dichloropropane		ND		2.0
1,3,5-Trimethylbenzene		ND		2.0
1,3-Dichlorobenzene		ND		2.0
1,3-Dichloropropane		ND		2.0
1,4-Dichlorobenzene		ND		2.0
2,2-Dichloropropane		ND		2.0
2-Butanone (MEK)		ND		20
2-Chlorotoluene		ND		2.0
2-Hexanone		ND	*	20
4-Chlorotoluene		ND		2.0
4-Isopropyltoluene		ND		2.0
4-Methyl-2-pentanone (MIBK)		ND	*	20
Acetone		ND		200
Acrylonitrile		ND		20
Benzene		ND		2.0
Bromobenzene		ND		2.0
Bromoform		ND		2.0
Bromomethane		ND		4.1
Carbon disulfide		ND	*	2.0
Carbon tetrachloride		ND		2.0
Chlorobenzene		ND		2.0
Chlorodibromomethane		ND		2.0
Chloroethane		ND		4.1
Chloroform		ND		2.0
Chloromethane		ND		4.1
cis-1,2-Dichloroethene		ND		2.0
cis-1,3-Dichloropropene		ND		2.0
Dibromomethane		ND		2.0
Dichlorobromomethane		ND		2.0
Dichlorodifluoromethane		ND		4.1
Ethylbenzene		ND		2.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB307-0810**

Lab Sample ID: 360-37847-6
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 11/29/2011 1440
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55301.D
Dilution:	1.0			Initial Weight/Volume:	7.32 g
Analysis Date:	12/12/2011 2044			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.0
Hexachlorobutadiene		ND		2.0
Isopropylbenzene		ND		2.0
m-Xylene & p-Xylene		ND		4.1
Methyl tert-butyl ether		ND		2.0
Methylene Chloride		ND		8.2
n-Butylbenzene		ND		2.0
N-Propylbenzene		ND		2.0
Naphthalene		ND		20
o-Xylene		ND		2.0
sec-Butylbenzene		ND		2.0
Styrene		ND		2.0
tert-Butylbenzene		ND		2.0
Tetrachloroethene		ND		2.0
Tetrahydrofuran		ND		41
Toluene		ND		2.0
trans-1,2-Dichloroethene		ND		2.0
trans-1,3-Dichloropropene		ND		2.0
trans-1,4-Dichloro-2-butene		ND	*	4.1
Trichloroethene		10		2.0
Trichlorofluoromethane		ND		4.1
Vinyl chloride		ND		2.0
Xylenes, Total		ND		4.1

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-TB-112911**

Lab Sample ID: 360-37847-7
Client Matrix: Solid

Date Sampled: 11/29/2011 0900
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55302.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/12/2011 2109			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.5
1,1,1-Trichloroethane		ND		2.5
1,1,2,2-Tetrachloroethane		ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		13
1,1,2-Trichloroethane		ND		2.5
1,1-Dichloroethane		ND		2.5
1,1-Dichloroethene		ND		2.5
1,1-Dichloropropene		ND		2.5
1,2,3-Trichlorobenzene		ND		2.5
1,2,3-Trichloropropane		ND		2.5
1,2,4-Trichlorobenzene		ND		2.5
1,2,4-Trimethylbenzene		ND		2.5
1,2-Dibromo-3-Chloropropane		ND		25
1,2-Dichlorobenzene		ND		2.5
1,2-Dichloroethane		ND		2.5
1,2-Dichloropropane		ND		2.5
1,3,5-Trimethylbenzene		ND		2.5
1,3-Dichlorobenzene		ND		2.5
1,3-Dichloropropane		ND		2.5
1,4-Dichlorobenzene		ND		2.5
2,2-Dichloropropane		ND		2.5
2-Butanone (MEK)		ND		25
2-Chlorotoluene		ND		2.5
2-Hexanone		ND	*	25
4-Chlorotoluene		ND		2.5
4-Isopropyltoluene		ND		2.5
4-Methyl-2-pentanone (MIBK)		ND	*	25
Acetone		ND		250
Acrylonitrile		ND		25
Benzene		ND		2.5
Bromobenzene		ND		2.5
Bromoform		ND		2.5
Bromomethane		ND		5.0
Carbon disulfide		ND	*	2.5
Carbon tetrachloride		ND		2.5
Chlorobenzene		ND		2.5
Chlorodibromomethane		ND		2.5
Chloroethane		ND		5.0
Chloroform		ND		2.5
Chloromethane		ND		5.0
cis-1,2-Dichloroethene		ND		2.5
cis-1,3-Dichloropropene		ND		2.5
Dibromomethane		ND		2.5
Dichlorobromomethane		ND		2.5
Dichlorodifluoromethane		ND		5.0
Ethylbenzene		ND		2.5

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-TB-112911**

Lab Sample ID: 360-37847-7
Client Matrix: Solid

Date Sampled: 11/29/2011 0900
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55302.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/12/2011 2109			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.5
Hexachlorobutadiene		ND		2.5
Isopropylbenzene		ND		2.5
m-Xylene & p-Xylene		ND		5.0
Methyl tert-butyl ether		ND		2.5
Methylene Chloride		ND		10
n-Butylbenzene		ND		2.5
N-Propylbenzene		ND		2.5
Naphthalene		ND		25
o-Xylene		ND		2.5
sec-Butylbenzene		ND		2.5
Styrene		ND		2.5
tert-Butylbenzene		ND		2.5
Tetrachloroethene		ND		2.5
Tetrahydrofuran		ND		50
Toluene		ND		2.5
trans-1,2-Dichloroethene		ND		2.5
trans-1,3-Dichloropropene		ND		2.5
trans-1,4-Dichloro-2-butene		ND	*	5.0
Trichloroethene		ND		2.5
Trichlorofluoromethane		ND		5.0
Vinyl chloride		ND		2.5
Xylenes, Total		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB200A-0406**

Lab Sample ID: 360-37847-8
Client Matrix: Solid
% Moisture: 7.7

Date Sampled: 11/29/2011 1535
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55303.D
Dilution:	1.0			Initial Weight/Volume:	5.25 g
Analysis Date:	12/12/2011 2135			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		2.6
1,1,1-Trichloroethane		ND		2.6
1,1,2,2-Tetrachloroethane		ND		2.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		13
1,1,2-Trichloroethane		ND		2.6
1,1-Dichloroethane		ND		2.6
1,1-Dichloroethene		ND		2.6
1,1-Dichloropropene		ND		2.6
1,2,3-Trichlorobenzene		ND		2.6
1,2,3-Trichloropropane		ND		2.6
1,2,4-Trichlorobenzene		ND		2.6
1,2,4-Trimethylbenzene		ND		2.6
1,2-Dibromo-3-Chloropropane		ND		26
1,2-Dichlorobenzene		ND		2.6
1,2-Dichloroethane		ND		2.6
1,2-Dichloropropane		ND		2.6
1,3,5-Trimethylbenzene		ND		2.6
1,3-Dichlorobenzene		ND		2.6
1,3-Dichloropropane		ND		2.6
1,4-Dichlorobenzene		ND		2.6
2,2-Dichloropropane		ND		2.6
2-Butanone (MEK)		ND		26
2-Chlorotoluene		ND		2.6
2-Hexanone		ND	*	26
4-Chlorotoluene		ND		2.6
4-Isopropyltoluene		ND		2.6
4-Methyl-2-pentanone (MIBK)		ND	*	26
Acetone		ND		260
Acrylonitrile		ND		26
Benzene		ND		2.6
Bromobenzene		ND		2.6
Bromoform		ND		2.6
Bromomethane		ND		5.2
Carbon disulfide		ND	*	2.6
Carbon tetrachloride		ND		2.6
Chlorobenzene		ND		2.6
Chlorodibromomethane		ND		2.6
Chloroethane		ND		5.2
Chloroform		ND		2.6
Chloromethane		ND		5.2
cis-1,2-Dichloroethene		ND		2.6
cis-1,3-Dichloropropene		ND		2.6
Dibromomethane		ND		2.6
Dichlorobromomethane		ND		2.6
Dichlorodifluoromethane		ND		5.2
Ethylbenzene		ND		2.6

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB200A-0406**

Lab Sample ID: 360-37847-8
Client Matrix: Solid
% Moisture: 7.7

Date Sampled: 11/29/2011 1535
Date Received: 11/30/2011 1035

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Prep Method:	5035	Prep Batch:	360-84699	Lab File ID:	V55303.D
Dilution:	1.0			Initial Weight/Volume:	5.25 g
Analysis Date:	12/12/2011 2135			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Ethylene Dibromide		ND		2.6
Hexachlorobutadiene		ND		2.6
Isopropylbenzene		ND		2.6
m-Xylene & p-Xylene		ND		5.2
Methyl tert-butyl ether		ND		2.6
Methylene Chloride		ND		10
n-Butylbenzene		ND		2.6
N-Propylbenzene		ND		2.6
Naphthalene		ND		26
o-Xylene		ND		2.6
sec-Butylbenzene		ND		2.6
Styrene		ND		2.6
tert-Butylbenzene		ND		2.6
Tetrachloroethene		ND		2.6
Tetrahydrofuran		ND		52
Toluene		ND		2.6
trans-1,2-Dichloroethene		ND		2.6
trans-1,3-Dichloropropene		ND		2.6
trans-1,4-Dichloro-2-butene		ND	*	5.2
Trichloroethene		ND		2.6
Trichlorofluoromethane		ND		5.2
Vinyl chloride		ND		2.6
Xylenes, Total		ND		5.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB304-0406**

Lab Sample ID: 360-37847-1
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 11/29/2011 1320
Date Received: 11/30/2011 1035

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84590	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.37 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/12/2011 1518			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.39
Acenaphthylene		ND		0.39
Anthracene		ND		0.39
Benzo[a]anthracene		ND		0.39
Benzo[a]pyrene		ND		0.39
Benzo[b]fluoranthene		ND		0.39
Benzo[g,h,i]perylene		ND		0.39
Benzo[k]fluoranthene		ND		0.39
Chrysene		ND		0.39
Dibenz(a,h)anthracene		ND		0.39
Fluoranthene		ND		0.39
Fluorene		ND		0.39
Indeno[1,2,3-cd]pyrene		ND		0.39
2-Methylnaphthalene		ND		0.39
Naphthalene		ND		0.39
Phenanthrene		ND		0.39
Pyrene		ND		0.39
C11-C22 Aromatics (unadjusted)		ND		3.9
C11-C22 Aromatics (Adjusted)		ND		3.9
C19-C36 Aliphatics		ND		3.9
C9-C18 Aliphatics		ND		3.9
Total EPH		ND		3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	84		40 - 140
2-Fluorobiphenyl	82		40 - 140
o-Terphenyl	86		40 - 140
1-Chlorooctadecane	60		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB308-1012**

Lab Sample ID: 360-37847-2
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 11/29/2011 1120
Date Received: 11/30/2011 1035

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84590	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.15 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/12/2011 1552			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.39
Acenaphthylene		ND		0.39
Anthracene		ND		0.39
Benzo[a]anthracene		ND		0.39
Benzo[a]pyrene		ND		0.39
Benzo[b]fluoranthene		ND		0.39
Benzo[g,h,i]perylene		ND		0.39
Benzo[k]fluoranthene		ND		0.39
Chrysene		ND		0.39
Dibenz(a,h)anthracene		ND		0.39
Fluoranthene		ND		0.39
Fluorene		ND		0.39
Indeno[1,2,3-cd]pyrene		ND		0.39
2-Methylnaphthalene		ND		0.39
Naphthalene		ND		0.39
Phenanthrene		ND		0.39
Pyrene		ND		0.39
C11-C22 Aromatics (unadjusted)		3.9		3.9
C11-C22 Aromatics (Adjusted)		3.9		3.9
C19-C36 Aliphatics		ND		3.9
C9-C18 Aliphatics		ND		3.9
Total EPH		3.9		3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	80		40 - 140
2-Fluorobiphenyl	79		40 - 140
o-Terphenyl	82		40 - 140
1-Chlorooctadecane	69		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-1012**

Lab Sample ID: 360-37847-3
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 11/29/2011 0900
Date Received: 11/30/2011 1035

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84590	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.63 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/12/2011 1734			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.38
Acenaphthylene		ND		0.38
Anthracene		ND		0.38
Benzo[a]anthracene		ND		0.38
Benzo[a]pyrene		ND		0.38
Benzo[b]fluoranthene		ND		0.38
Benzo[g,h,i]perylene		ND		0.38
Benzo[k]fluoranthene		ND		0.38
Chrysene		ND		0.38
Dibenz(a,h)anthracene		ND		0.38
Fluoranthene		ND		0.38
Fluorene		ND		0.38
Indeno[1,2,3-cd]pyrene		ND		0.38
2-Methylnaphthalene		ND		0.38
Naphthalene		ND		0.38
Phenanthrene		ND		0.38
Pyrene		ND		0.38
C11-C22 Aromatics (unadjusted)		ND		3.8
C11-C22 Aromatics (Adjusted)		ND		3.8
C19-C36 Aliphatics		ND		3.8
C9-C18 Aliphatics		ND		3.8
Total EPH		ND		3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	88		40 - 140
2-Fluorobiphenyl	87		40 - 140
o-Terphenyl	82		40 - 140
1-Chlorooctadecane	69		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB306-1012**

Lab Sample ID: 360-37847-4
Client Matrix: Solid
% Moisture: 12.0

Date Sampled: 11/29/2011 0955
Date Received: 11/30/2011 1035

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84590	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.56 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/12/2011 1808			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.37
Acenaphthylene		ND		0.37
Anthracene		ND		0.37
Benzo[a]anthracene		ND		0.37
Benzo[a]pyrene		ND		0.37
Benzo[b]fluoranthene		ND		0.37
Benzo[g,h,i]perylene		ND		0.37
Benzo[k]fluoranthene		ND		0.37
Chrysene		ND		0.37
Dibenz(a,h)anthracene		ND		0.37
Fluoranthene		ND		0.37
Fluorene		ND		0.37
Indeno[1,2,3-cd]pyrene		ND		0.37
2-Methylnaphthalene		ND		0.37
Naphthalene		ND		0.37
Phenanthrene		ND		0.37
Pyrene		ND		0.37
C11-C22 Aromatics (unadjusted)		ND		3.7
C11-C22 Aromatics (Adjusted)		ND		3.7
C19-C36 Aliphatics		ND		3.7
C9-C18 Aliphatics		ND		3.7
Total EPH		ND		3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	88		40 - 140
2-Fluorobiphenyl	87		40 - 140
o-Terphenyl	75		40 - 140
1-Chlorooctadecane	68		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-0203**

Lab Sample ID: 360-37847-5
Client Matrix: Solid
% Moisture: 15.5

Date Sampled: 11/29/2011 0845
Date Received: 11/30/2011 1035

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84590	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.78 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/12/2011 1842			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.38
Acenaphthylene		ND		0.38
Anthracene		ND		0.38
Benzo[a]anthracene		ND		0.38
Benzo[a]pyrene		ND		0.38
Benzo[b]fluoranthene		ND		0.38
Benzo[g,h,i]perylene		ND		0.38
Benzo[k]fluoranthene		ND		0.38
Chrysene		ND		0.38
Dibenz(a,h)anthracene		ND		0.38
Fluoranthene		ND		0.38
Fluorene		ND		0.38
Indeno[1,2,3-cd]pyrene		ND		0.38
2-Methylnaphthalene		ND		0.38
Naphthalene		ND		0.38
Phenanthrene		ND		0.38
Pyrene		ND		0.38
C11-C22 Aromatics (unadjusted)		5.8		3.8
C11-C22 Aromatics (Adjusted)		5.8		3.8
C19-C36 Aliphatics		13		3.8
C9-C18 Aliphatics		ND		3.8
Total EPH		19		3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	96		40 - 140
2-Fluorobiphenyl	95		40 - 140
o-Terphenyl	76		40 - 140
1-Chlorooctadecane	57		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB307-0810**

Lab Sample ID: 360-37847-6
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 11/29/2011 1440
Date Received: 11/30/2011 1035

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84590	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.43 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/12/2011 1916			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.39
Acenaphthylene		ND		0.39
Anthracene		ND		0.39
Benzo[a]anthracene		ND		0.39
Benzo[a]pyrene		ND		0.39
Benzo[b]fluoranthene		ND		0.39
Benzo[g,h,i]perylene		ND		0.39
Benzo[k]fluoranthene		ND		0.39
Chrysene		ND		0.39
Dibenz(a,h)anthracene		ND		0.39
Fluoranthene		ND		0.39
Fluorene		ND		0.39
Indeno[1,2,3-cd]pyrene		ND		0.39
2-Methylnaphthalene		ND		0.39
Naphthalene		ND		0.39
Phenanthrene		ND		0.39
Pyrene		ND		0.39
C11-C22 Aromatics (unadjusted)		ND		3.9
C11-C22 Aromatics (Adjusted)		ND		3.9
C19-C36 Aliphatics		ND		3.9
C9-C18 Aliphatics		ND		3.9
Total EPH		ND		3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	87		40 - 140
2-Fluorobiphenyl	86		40 - 140
o-Terphenyl	82		40 - 140
1-Chlorooctadecane	74		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB200A-0406**

Lab Sample ID: 360-37847-8
Client Matrix: Solid
% Moisture: 7.7

Date Sampled: 11/29/2011 1535
Date Received: 11/30/2011 1035

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	MA-EPH	Analysis Batch:	360-84590	Instrument ID:	INST R
Prep Method:	3546	Prep Batch:	360-84105	Initial Weight/Volume:	30.13 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/12/2011 1950			Injection Volume:	1 uL
Prep Date:	11/30/2011 1455			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		ND		0.36
Acenaphthylene		ND		0.36
Anthracene		ND		0.36
Benzo[a]anthracene		ND		0.36
Benzo[a]pyrene		ND		0.36
Benzo[b]fluoranthene		ND		0.36
Benzo[g,h,i]perylene		ND		0.36
Benzo[k]fluoranthene		ND		0.36
Chrysene		ND		0.36
Dibenz(a,h)anthracene		ND		0.36
Fluoranthene		ND		0.36
Fluorene		ND		0.36
Indeno[1,2,3-cd]pyrene		ND		0.36
2-Methylnaphthalene		ND		0.36
Naphthalene		ND		0.36
Phenanthrene		ND		0.36
Pyrene		ND		0.36
C11-C22 Aromatics (unadjusted)		ND		3.6
C11-C22 Aromatics (Adjusted)		ND		3.6
C19-C36 Aliphatics		ND		3.6
C9-C18 Aliphatics		ND		3.6
Total EPH		ND		3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	80		40 - 140
2-Fluorobiphenyl	78		40 - 140
o-Terphenyl	73		40 - 140
1-Chlorooctadecane	69		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB304-0406**

Lab Sample ID: 360-37847-1
Client Matrix: Solid
% Moisture: 17.1

Date Sampled: 11/29/2011 1320
Date Received: 11/30/2011 1035

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0			Initial Weight/Volume:	1.53 g
Analysis Date:	12/02/2011 1841			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		ND		1.6
Barium		45		0.79
Cadmium		ND		0.32
Chromium		44		0.79
Lead		59		0.79
Selenium		ND		0.79
Silver		ND		1.6

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Analysis Date:	12/09/2011 1203			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.086

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB308-1012**

Lab Sample ID: 360-37847-2
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 11/29/2011 1120
Date Received: 11/30/2011 1035

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0			Initial Weight/Volume:	1.71 g
Analysis Date:	12/02/2011 1748			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.5		1.4
Barium		110		0.69
Cadmium		ND		0.28
Chromium		21		0.69
Lead		4.7		0.69
Selenium		ND		0.69
Silver		ND		1.4

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.24 g
Analysis Date:	12/09/2011 1156			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.098

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-1012**

Lab Sample ID: 360-37847-3
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 11/29/2011 0900
Date Received: 11/30/2011 1035

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0			Initial Weight/Volume:	1.63 g
Analysis Date:	12/02/2011 1844			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.4		1.4
Barium		50		0.72
Cadmium		4.6		0.29
Chromium		79		0.72
Lead		4.8		0.72
Selenium		ND		0.72
Silver		ND		1.4

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Analysis Date:	12/09/2011 1205			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.084

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB306-1012**

Lab Sample ID: 360-37847-4
Client Matrix: Solid
% Moisture: 12.0

Date Sampled: 11/29/2011 0955
Date Received: 11/30/2011 1035

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0			Initial Weight/Volume:	1.73 g
Analysis Date:	12/02/2011 1853			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		ND		1.3
Barium		75		0.66
Cadmium		ND		0.26
Chromium		19		0.66
Lead		6.4		0.66
Selenium		ND		0.66
Silver		ND		1.3

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.23 g
Analysis Date:	12/09/2011 1207			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.099

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB305-0203**

Lab Sample ID: 360-37847-5
Client Matrix: Solid
% Moisture: 15.5

Date Sampled: 11/29/2011 0845
Date Received: 11/30/2011 1035

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	50			Initial Weight/Volume:	1.78 g
Analysis Date:	12/02/2011 1859			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		ND		66
Barium		ND		33
Cadmium		ND		13
Chromium		9700		33
Lead		48		33
Selenium		ND		33
Silver		ND		66

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.26 g
Analysis Date:	12/09/2011 1212			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.091

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB307-0810**

Lab Sample ID: 360-37847-6
Client Matrix: Solid
% Moisture: 16.3

Date Sampled: 11/29/2011 1440
Date Received: 11/30/2011 1035

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0			Initial Weight/Volume:	1.58 g
Analysis Date:	12/02/2011 1902			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		1.7		1.5
Barium		140		0.76
Cadmium		ND		0.30
Chromium		36		0.76
Lead		5.0		0.76
Selenium		ND		0.76
Silver		ND		1.5

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.27 g
Analysis Date:	12/09/2011 1214			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.089

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Client Sample ID: **BC-SO-SB200A-0406**

Lab Sample ID: 360-37847-8
Client Matrix: Solid
% Moisture: 7.7

Date Sampled: 11/29/2011 1535
Date Received: 11/30/2011 1035

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Prep Method:	3050B	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0			Initial Weight/Volume:	1.95 g
Analysis Date:	12/02/2011 1905			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		ND		1.1
Barium		10		0.56
Cadmium		ND		0.22
Chromium		6.0		0.56
Lead		2.1		0.56
Selenium		ND		0.56
Silver		ND		1.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Prep Method:	7471A	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0			Initial Weight/Volume:	0.23 g
Analysis Date:	12/09/2011 1216			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.094

General Chemistry

Client Sample ID: **BC-SO-SB304-0406**

Lab Sample ID: 360-37847-1
Client Matrix: Solid

Date Sampled: 11/29/2011 1320
Date Received: 11/30/2011 1035

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	17		%	1.0	1.0	Moisture
Analysis Batch: 360-84149	Analysis Date: 12/01/2011 0925					DryWt Corrected: N
Percent Solids	83		%	1.0	1.0	Moisture
Analysis Batch: 360-84149	Analysis Date: 12/01/2011 0925					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SB308-1012**

Lab Sample ID: 360-37847-2
Client Matrix: Solid

Date Sampled: 11/29/2011 1120
Date Received: 11/30/2011 1035

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	15		%	1.0	1.0	Moisture
Analysis Batch: 360-84149	Analysis Date: 12/01/2011 0925					DryWt Corrected: N
Percent Solids	85		%	1.0	1.0	Moisture
Analysis Batch: 360-84149	Analysis Date: 12/01/2011 0925					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SB305-1012**

Lab Sample ID: 360-37847-3
Client Matrix: Solid

Date Sampled: 11/29/2011 0900
Date Received: 11/30/2011 1035

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	15		%	1.0	1.0	Moisture
Analysis Batch: 360-84149	Analysis Date: 12/01/2011 0925					DryWt Corrected: N
Percent Solids	85		%	1.0	1.0	Moisture
Analysis Batch: 360-84149	Analysis Date: 12/01/2011 0925					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SB306-1012**

Lab Sample ID: 360-37847-4
Client Matrix: Solid

Date Sampled: 11/29/2011 0955
Date Received: 11/30/2011 1035

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	12		%	1.0	1.0	Moisture
Analysis Batch: 360-84149	Analysis Date: 12/01/2011 0925					DryWt Corrected: N
Percent Solids	88		%	1.0	1.0	Moisture
Analysis Batch: 360-84149	Analysis Date: 12/01/2011 0925					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SB305-0203**

Lab Sample ID: 360-37847-5
Client Matrix: Solid

Date Sampled: 11/29/2011 0845
Date Received: 11/30/2011 1035

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	15		%	1.0	1.0	Moisture
Analysis Batch: 360-84149	Analysis Date: 12/01/2011 0925					DryWt Corrected: N
Percent Solids	85		%	1.0	1.0	Moisture
Analysis Batch: 360-84149	Analysis Date: 12/01/2011 0925					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SB307-0810**

Lab Sample ID: 360-37847-6
Client Matrix: Solid

Date Sampled: 11/29/2011 1440
Date Received: 11/30/2011 1035

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	16		%	1.0	1.0	Moisture
Analysis Batch: 360-84149	Analysis Date: 12/01/2011 0925					DryWt Corrected: N
Percent Solids	84		%	1.0	1.0	Moisture
Analysis Batch: 360-84149	Analysis Date: 12/01/2011 0925					DryWt Corrected: N

General Chemistry

Client Sample ID: **BC-SO-SB200A-0406**

Lab Sample ID: 360-37847-8
Client Matrix: Solid

Date Sampled: 11/29/2011 1535
Date Received: 11/30/2011 1035

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	7.7		%	1.0	1.0	Moisture
Analysis Batch: 360-84149	Analysis Date: 12/01/2011 0925					DryWt Corrected: N
Percent Solids	92		%	1.0	1.0	Moisture
Analysis Batch: 360-84149	Analysis Date: 12/01/2011 0925					DryWt Corrected: N

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	TOL %Rec	BFB %Rec
360-37847-1	BC-SO-SB304-0406	95	94	101
360-37847-2	BC-SO-SB308-1012	95	93	104
360-37847-3	BC-SO-SB305-1012	94	94	102
360-37847-4	BC-SO-SB306-1012	96	94	103
360-37847-5	BC-SO-SB305-0203	96	91	100
360-37847-6	BC-SO-SB307-0810	93	93	100
360-37847-7	BC-TB-112911	96	94	101
360-37847-8	BC-SO-SB200A-0406	97	93	101
MB 360-84699/3-A		95	93	102
LCS 360-84699/1-A		93	102	100
LCSD 360-84699/2-A		91	101	99
360-37847-2 MS	BC-SO-SB308-1012 MS	95	102	102
360-37847-2 MSD	BC-SO-SB308-1012 MSD	94	100	100

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Surrogate Recovery Report

MA-EPH Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP1 %Rec	2BN1 %Rec	OTPH1 %Rec	1COD2 %Rec
360-37847-1	BC-SO-SB304-0406	82	84	86	60
360-37847-2	BC-SO-SB308-1012	79	80	82	69
360-37847-3	BC-SO-SB305-1012	87	88	82	69
360-37847-4	BC-SO-SB306-1012	87	88	75	68
360-37847-5	BC-SO-SB305-0203	95	96	76	57
360-37847-6	BC-SO-SB307-0810	86	87	82	74
360-37847-8	BC-SO-SB200A-0406	78	80	73	69
MB 360-84105/1-A		71	70	60	68
LCS 360-84105/2-A		76	77	74	68
LCSD 360-84105/3-A		75	76	73	65
360-37847-2 MS	BC-SO-SB308-1012 MS	86	87	86	69
360-37847-2 MSD	BC-SO-SB308-1012 MSD	83	84	79	64

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	40-140
2BN = 2-Bromonaphthalene	40-140
OTPH = o-Terphenyl	40-140
1COD = 1-Chlorooctadecane	40-140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Method Blank - Batch: 360-84699

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-84699/3-A	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55295.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/12/2011 1812	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

Analyte	Result	Qual	RL
1,1,1,2-Tetrachloroethane	ND		2.5
1,1,1-Trichloroethane	ND		2.5
1,1,2,2-Tetrachloroethane	ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13
1,1,2-Trichloroethane	ND		2.5
1,1-Dichloroethane	ND		2.5
1,1-Dichloroethene	ND		2.5
1,1-Dichloropropene	ND		2.5
1,2,3-Trichlorobenzene	ND		2.5
1,2,3-Trichloropropane	ND		2.5
1,2,4-Trichlorobenzene	ND		2.5
1,2,4-Trimethylbenzene	ND		2.5
1,2-Dibromo-3-Chloropropane	ND		25
1,2-Dichlorobenzene	ND		2.5
1,2-Dichloroethane	ND		2.5
1,2-Dichloropropane	ND		2.5
1,3,5-Trimethylbenzene	ND		2.5
1,3-Dichlorobenzene	ND		2.5
1,3-Dichloropropane	ND		2.5
1,4-Dichlorobenzene	ND		2.5
2,2-Dichloropropane	ND		2.5
2-Butanone (MEK)	ND		25
2-Chlorotoluene	ND		2.5
2-Hexanone	ND		25
4-Chlorotoluene	ND		2.5
4-Isopropyltoluene	ND		2.5
4-Methyl-2-pentanone (MIBK)	ND		25
Acetone	ND		250
Acrylonitrile	ND		25
Benzene	ND		2.5
Bromobenzene	ND		2.5
Bromoform	ND		2.5
Bromomethane	ND		5.0
Carbon disulfide	ND		2.5
Carbon tetrachloride	ND		2.5
Chlorobenzene	ND		2.5
Chlorodibromomethane	ND		2.5
Chloroethane	ND		5.0
Chloroform	ND		2.5
Chloromethane	ND		5.0
cis-1,2-Dichloroethene	ND		2.5
cis-1,3-Dichloropropene	ND		2.5
Dibromomethane	ND		2.5
Dichlorobromomethane	ND		2.5
Dichlorodifluoromethane	ND		5.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Method Blank - Batch: 360-84699

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-84699/3-A	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55295.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/12/2011 1812	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Ethylbenzene	ND		2.5
Ethylene Dibromide	ND		2.5
Hexachlorobutadiene	ND		2.5
Isopropylbenzene	ND		2.5
m-Xylene & p-Xylene	ND		5.0
Methyl tert-butyl ether	ND		2.5
Methylene Chloride	ND		10
n-Butylbenzene	ND		2.5
N-Propylbenzene	ND		2.5
Naphthalene	ND		25
o-Xylene	ND		2.5
sec-Butylbenzene	ND		2.5
Styrene	ND		2.5
tert-Butylbenzene	ND		2.5
Tetrachloroethene	ND		2.5
Tetrahydrofuran	ND		50
Toluene	ND		2.5
trans-1,2-Dichloroethene	ND		2.5
trans-1,3-Dichloropropene	ND		2.5
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		2.5
Trichlorofluoromethane	ND		5.0
Vinyl chloride	ND		2.5
Xylenes, Total	ND		5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	102	70 - 130
Dibromofluoromethane	95	70 - 130
Toluene-d8 (Surr)	93	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84699

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84699/1-A	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55292.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/12/2011 1656	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84699/2-A	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55293.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/12/2011 1721	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	94	99	70 - 130	5	25		
1,1,1-Trichloroethane	101	106	70 - 130	5	25		
1,1,2,2-Tetrachloroethane	104	103	70 - 130	1	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	82	86	70 - 130	5	25		
1,1,2-Trichloroethane	111	110	70 - 130	1	25		
1,1-Dichloroethane	107	113	70 - 130	5	25		
1,1-Dichloroethene	107	113	70 - 130	5	25		
1,1-Dichloropropene	111	115	70 - 130	4	25		
1,2,3-Trichlorobenzene	99	96	70 - 130	3	25		
1,2,3-Trichloropropane	86	84	70 - 130	2	25		
1,2,4-Trichlorobenzene	100	100	70 - 130	0	25		
1,2,4-Trimethylbenzene	104	111	70 - 130	6	25		
1,2-Dibromo-3-Chloropropane	89	88	70 - 130	2	25		
1,2-Dichlorobenzene	98	99	70 - 130	2	25		
1,2-Dichloroethane	100	101	70 - 130	1	25		
1,2-Dichloropropane	118	122	70 - 130	3	25		
1,3,5-Trimethylbenzene	115	125	70 - 130	8	25		
1,3-Dichlorobenzene	93	97	70 - 130	5	25		
1,3-Dichloropropane	97	96	70 - 130	1	25		
1,4-Dichlorobenzene	95	99	70 - 130	4	25		
2,2-Dichloropropane	101	104	70 - 130	3	25		
2-Butanone (MEK)	125	125	70 - 130	0	25		
2-Chlorotoluene	117	124	70 - 130	6	25		
2-Hexanone	143	145	70 - 130	1	25	*	
4-Chlorotoluene	95	104	70 - 130	9	25		
4-Isopropyltoluene	100	106	70 - 130	6	25		
4-Methyl-2-pentanone (MIBK)	143	147	70 - 130	3	25	*	
Acetone	126	129	70 - 130	2	25		
Acrylonitrile	108	108	70 - 130	0	25		
Benzene	109	113	70 - 130	4	25		
Bromobenzene	100	105	70 - 130	4	25		
Bromoform	80	80	70 - 130	1	25		
Bromomethane	92	100	70 - 130	8	25		
Carbon disulfide	135	144	70 - 130	6	25	*	
Carbon tetrachloride	99	101	70 - 130	2	25		
Chlorobenzene	98	103	70 - 130	5	25		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84699

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84699/1-A	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55292.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/12/2011 1656	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84699/2-A	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55293.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/12/2011 1721	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chlorodibromomethane	88	87	70 - 130	2	25		
Chloroethane	109	121	70 - 130	10	25		
Chloroform	102	106	70 - 130	4	25		
Chloromethane	104	109	70 - 130	5	25		
cis-1,2-Dichloroethene	106	111	70 - 130	4	25		
cis-1,3-Dichloropropene	114	114	70 - 130	0	25		
Dibromomethane	109	108	70 - 130	1	25		
Dichlorobromomethane	108	110	70 - 130	1	25		
Dichlorodifluoromethane	84	90	70 - 130	7	25		
Ethylbenzene	102	109	70 - 130	6	25		
Ethylene Dibromide	91	87	70 - 130	4	25		
Hexachlorobutadiene	95	99	70 - 130	4	25		
Isopropylbenzene	99	105	70 - 130	6	25		
m-Xylene & p-Xylene	121	131	70 - 130	8	25		
Methyl tert-butyl ether	103	103	70 - 130	0	25		
Methylene Chloride	100	105	70 - 130	4	25		
n-Butylbenzene	111	118	70 - 130	6	25		
N-Propylbenzene	128	138	70 - 130	8	25		
Naphthalene	103	98	70 - 130	5	25		
o-Xylene	101	108	70 - 130	7	25		
sec-Butylbenzene	99	106	70 - 130	7	25		
Styrene	97	102	70 - 130	5	25		
tert-Butylbenzene	97	103	70 - 130	7	25		
Tetrachloroethene	104	107	70 - 130	3	25		
Tetrahydrofuran	114	106	70 - 130	7	25		
Toluene	111	115	70 - 130	4	25		
trans-1,2-Dichloroethene	107	114	70 - 130	7	25		
trans-1,3-Dichloropropene	113	111	70 - 130	2	25		
trans-1,4-Dichloro-2-butene	136	138	70 - 130	1	25	*	
Trichloroethene	108	112	70 - 130	4	25		
Trichlorofluoromethane	90	95	70 - 130	6	25		
Vinyl chloride	91	97	70 - 130	6	25		
Xylenes, Total	114	123	70 - 130	7	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	99	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Dibromofluoromethane	93	91	70 - 130
Toluene-d8 (Surr)	102	101	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84699

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84699/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-84699/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/12/2011 1656			Analysis Date:	12/12/2011 1721
Prep Date:	12/12/2011 1122			Prep Date:	12/12/2011 1122
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
1,1,1,2-Tetrachloroethane	100	100	94.0		99.0
1,1,1-Trichloroethane	100	100	101		106
1,1,2,2-Tetrachloroethane	100	100	104		103
1,1,2-Trichloro-1,2,2-trifluoroethane	100	100	82.0		86.0
1,1,2-Trichloroethane	100	100	111		110
1,1-Dichloroethane	100	100	107		113
1,1-Dichloroethene	100	100	107		113
1,1-Dichloropropene	100	100	111		115
1,2,3-Trichlorobenzene	100	100	99.0		96.0
1,2,3-Trichloropropane	100	100	86.0		84.0
1,2,4-Trichlorobenzene	100	100	100		100
1,2,4-Trimethylbenzene	100	100	104		111
1,2-Dibromo-3-Chloropropane	100	100	89.0		87.5
1,2-Dichlorobenzene	100	100	97.5		99.0
1,2-Dichloroethane	100	100	100		101
1,2-Dichloropropane	100	100	118		122
1,3,5-Trimethylbenzene	100	100	115		125
1,3-Dichlorobenzene	100	100	92.5		97.0
1,3-Dichloropropane	100	100	96.5		95.5
1,4-Dichlorobenzene	100	100	95.0		99.0
2,2-Dichloropropane	100	100	101		104
2-Butanone (MEK)	1000	1000	1250		1250
2-Chlorotoluene	100	100	117		124
2-Hexanone	1000	1000	1430	*	1450
4-Chlorotoluene	100	100	94.5		104
4-Isopropyltoluene	100	100	99.5		106
4-Methyl-2-pentanone (MIBK)	1000	1000	1430	*	1470
Acetone	1000	1000	1260		1290
Acrylonitrile	100	100	108		108
Benzene	100	100	109		113
Bromobenzene	100	100	100		105
Bromoform	100	100	79.5		80.0
Bromomethane	100	100	92.0		100
Carbon disulfide	100	100	135	*	144
Carbon tetrachloride	100	100	99.0		101
Chlorobenzene	100	100	97.5		103
Chlorodibromomethane	100	100	88.0		86.5
Chloroethane	100	100	109		121
Chloroform	100	100	102		106

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84699

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-84699/1-A	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 360-84699/2-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/12/2011 1656			Analysis Date:	12/12/2011 1721
Prep Date:	12/12/2011 1122			Prep Date:	12/12/2011 1122
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
Chloromethane	100	100	104		109
cis-1,2-Dichloroethene	100	100	106		111
cis-1,3-Dichloropropene	100	100	114		114
Dibromomethane	100	100	109		108
Dichlorobromomethane	100	100	108		110
Dichlorodifluoromethane	100	100	84.0		90.0
Ethylbenzene	100	100	102		109
Ethylene Dibromide	100	100	90.5		87.0
Hexachlorobutadiene	100	100	94.5		98.5
Isopropylbenzene	100	100	99.0		105
m-Xylene & p-Xylene	200	200	242		261
Methyl tert-butyl ether	100	100	103		103
Methylene Chloride	100	100	100		105
n-Butylbenzene	100	100	111		118
N-Propylbenzene	100	100	128		138
Naphthalene	100	100	103		97.5
o-Xylene	100	100	101		108
sec-Butylbenzene	100	100	98.5		106
Styrene	100	100	96.5		102
tert-Butylbenzene	100	100	96.5		103
Tetrachloroethene	100	100	104		107
Tetrahydrofuran	1000	1000	1140		1060
Toluene	100	100	111		115
trans-1,2-Dichloroethene	100	100	107		114
trans-1,3-Dichloropropene	100	100	113		111
trans-1,4-Dichloro-2-butene	100	100	136	*	138
Trichloroethene	100	100	108		112
Trichlorofluoromethane	100	100	89.5		95.0
Vinyl chloride	100	100	91.0		96.5
Xylenes, Total	300	300	343		369

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84699

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-37847-2	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55314.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.99 g
Analysis Date:	12/13/2011 0215			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

MSD Lab Sample ID:	360-37847-2	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55315.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.83 g
Analysis Date:	12/13/2011 0240			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	108	108	70 - 130	3	30		
1,1,1-Trichloroethane	118	119	70 - 130	5	30		
1,1,2,2-Tetrachloroethane	104	106	70 - 130	5	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	93	97	70 - 130	8	30		
1,1,2-Trichloroethane	116	117	70 - 130	5	30		
1,1-Dichloroethane	127	127	70 - 130	4	30		
1,1-Dichloroethene	120	126	70 - 130	9	30		
1,1-Dichloropropene	123	124	70 - 130	4	30		
1,2,3-Trichlorobenzene	90	97	70 - 130	12	30		
1,2,3-Trichloropropane	92	95	70 - 130	7	30		
1,2,4-Trichlorobenzene	92	97	70 - 130	9	30		
1,2,4-Trimethylbenzene	120	120	70 - 130	3	30		
1,2-Dibromo-3-Chloropropane	81	88	70 - 130	13	30		
1,2-Dichlorobenzene	98	100	70 - 130	6	30		
1,2-Dichloroethane	110	110	70 - 130	4	30		
1,2-Dichloropropane	131	130	70 - 130	3	30	F	
1,3,5-Trimethylbenzene	133	133	70 - 130	3	30	F	F
1,3-Dichlorobenzene	101	101	70 - 130	4	30		
1,3-Dichloropropane	98	97	70 - 130	3	30		
1,4-Dichlorobenzene	95	96	70 - 130	4	30		
2,2-Dichloropropane	108	109	70 - 130	5	30		
2-Butanone (MEK)	134	131	70 - 130	1	30	F	F
2-Chlorotoluene	138	139	70 - 130	5	30	F	F
2-Hexanone	147	148	70 - 130	4	30	F	F
4-Chlorotoluene	105	107	70 - 130	5	30		
4-Isopropyltoluene	111	111	70 - 130	3	30		
4-Methyl-2-pentanone (MIBK)	162	166	70 - 130	6	30	F	F
Acetone	117	131	70 - 130	15	30		F
Acrylonitrile	114	117	70 - 130	6	30		
Benzene	125	124	70 - 130	3	30		
Bromobenzene	114	114	70 - 130	4	30		
Bromoform	75	76	70 - 130	5	30		
Bromomethane	113	113	70 - 130	3	30		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84699

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-37847-2	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55314.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.99 g
Analysis Date:	12/13/2011 0215			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

MSD Lab Sample ID:	360-37847-2	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55315.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.83 g
Analysis Date:	12/13/2011 0240			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon disulfide	157	160	70 - 130	6	30	F	F
Carbon tetrachloride	112	111	70 - 130	3	30		
Chlorobenzene	105	104	70 - 130	3	30		
Chlorodibromomethane	87	88	70 - 130	4	30		
Chloroethane	142	146	70 - 130	6	30	F	F
Chloroform	121	120	70 - 130	3	30		
Chloromethane	126	125	70 - 130	3	30		
cis-1,2-Dichloroethene	122	124	70 - 130	5	30		
cis-1,3-Dichloropropene	112	113	70 - 130	5	30		
Dibromomethane	114	115	70 - 130	5	30		
Dichlorobromomethane	117	117	70 - 130	4	30		
Dichlorodifluoromethane	98	100	70 - 130	5	30		
Ethylbenzene	115	114	70 - 130	2	30		
Ethylene Dibromide	86	87	70 - 130	5	30		
Hexachlorobutadiene	86	87	70 - 130	4	30		
Isopropylbenzene	111	111	70 - 130	3	30		
m-Xylene & p-Xylene	139	138	70 - 130	3	30	F	F
Methyl tert-butyl ether	114	119	70 - 130	8	30		
Methylene Chloride	124	124	70 - 130	3	30		
n-Butylbenzene	112	113	70 - 130	4	30		
N-Propylbenzene	149	149	70 - 130	4	30	F	F
Naphthalene	93	101	70 - 130	12	30		
o-Xylene	117	116	70 - 130	2	30		
sec-Butylbenzene	110	110	70 - 130	4	30		
Styrene	103	103	70 - 130	3	30		
tert-Butylbenzene	110	111	70 - 130	5	30		
Tetrachloroethene	107	107	70 - 130	4	30		
Tetrahydrofuran	111	120	70 - 130	11	30		
Toluene	119	119	70 - 130	3	30		
trans-1,2-Dichloroethene	126	125	70 - 130	3	30		
trans-1,3-Dichloropropene	108	108	70 - 130	3	30		
trans-1,4-Dichloro-2-butene	133	145	70 - 130	12	30	F	F
Trichloroethene	116	119	70 - 130	5	30		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84699

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-37847-2	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55314.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.99 g
Analysis Date:	12/13/2011 0215			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

MSD Lab Sample ID:	360-37847-2	Analysis Batch:	360-84698	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-84699	Lab File ID:	V55315.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.83 g
Analysis Date:	12/13/2011 0240			Final Weight/Volume:	5 g
Prep Date:	12/12/2011 1122				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Trichlorofluoromethane	106	110	70 - 130	8	30		
Vinyl chloride	108	110	70 - 130	6	30		
Xylenes, Total	131	131	70 - 130	3	30	F	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	102	100	70 - 130
Dibromofluoromethane	95	94	70 - 130
Toluene-d8 (Surr)	102	100	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84699

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-37847-2	Units: ug/Kg	MSD Lab Sample ID:	360-37847-2	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	12/13/2011 0215		Analysis Date:	12/13/2011 0240	
Prep Date:	12/12/2011 1122		Prep Date:	12/12/2011 1122	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1,2-Tetrachloroethane	ND	96.0	102	104		110	
1,1,1-Trichloroethane	ND	96.0	102	113		122	
1,1,2,2-Tetrachloroethane	ND	96.0	102	99.9		108	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	96.0	102	89.3		99.5	
1,1,2-Trichloroethane	ND	96.0	102	111		120	
1,1-Dichloroethane	ND	96.0	102	121		130	
1,1-Dichloroethene	ND	96.0	102	115		129	
1,1-Dichloropropene	ND	96.0	102	118		126	
1,2,3-Trichlorobenzene	ND	96.0	102	85.9		99.5	
1,2,3-Trichloropropane	ND	96.0	102	88.3		97.4	
1,2,4-Trichlorobenzene	ND	96.0	102	88.3		98.9	
1,2,4-Trimethylbenzene	ND	96.0	102	115		122	
1,2-Dibromo-3-Chloropropane	ND	96.0	102	77.3		90.3	
1,2-Dichlorobenzene	ND	96.0	102	93.6		102	
1,2-Dichloroethane	ND	96.0	102	105		113	
1,2-Dichloropropane	ND	96.0	102	126	F	133	
1,3,5-Trimethylbenzene	ND	96.0	102	128	F	136	F
1,3-Dichlorobenzene	ND	96.0	102	96.5		103	
1,3-Dichloropropane	ND	96.0	102	93.6		98.9	
1,4-Dichlorobenzene	ND	96.0	102	91.2		97.9	
2,2-Dichloropropane	ND	96.0	102	104		112	
2-Butanone (MEK)	ND	960	1020	1290	F	1330	F
2-Chlorotoluene	ND	96.0	102	132	F	142	F
2-Hexanone	ND	960	1020	1410	F	1510	F
4-Chlorotoluene	ND	96.0	102	101		109	
4-Isopropyltoluene	ND	96.0	102	107		113	
4-Methyl-2-pentanone (MIBK)	ND	960	1020	1550	F	1690	F
Acetone	ND	960	1020	1120		1340	F
Acrylonitrile	ND	96.0	102	109		120	
Benzene	ND	96.0	102	120		127	
Bromobenzene	ND	96.0	102	109		117	
Bromoform	ND	96.0	102	72.0		77.5	
Bromomethane	ND	96.0	102	108		115	
Carbon disulfide	ND	96.0	102	150	F	163	F
Carbon tetrachloride	ND	96.0	102	107		114	
Chlorobenzene	ND	96.0	102	101		107	
Chlorodibromomethane	ND	96.0	102	83.5		89.8	
Chloroethane	ND	96.0	102	136	F	149	F
Chloroform	ND	96.0	102	116		123	
Chloromethane	ND	96.0	102	121		128	
cis-1,2-Dichloroethene	ND	96.0	102	117		127	
cis-1,3-Dichloropropene	ND	96.0	102	107		116	
Dibromomethane	ND	96.0	102	109		117	

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84699

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	360-37847-2	Units: ug/Kg	MSD Lab Sample ID:	360-37847-2	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	12/13/2011 0215		Analysis Date:	12/13/2011 0240	
Prep Date:	12/12/2011 1122		Prep Date:	12/12/2011 1122	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Dichlorobromomethane	ND	96.0	102	112		120	
Dichlorodifluoromethane	ND	96.0	102	94.1		102	
Ethylbenzene	ND	96.0	102	110		116	
Ethylene Dibromide	ND	96.0	102	82.1		88.7	
Hexachlorobutadiene	ND	96.0	102	82.6		88.7	
Isopropylbenzene	ND	96.0	102	107		113	
m-Xylene & p-Xylene	ND	192	204	266	F	283	F
Methyl tert-butyl ether	ND	96.0	102	109		122	
Methylene Chloride	ND	96.0	102	119		126	
n-Butylbenzene	ND	96.0	102	108		115	
N-Propylbenzene	ND	96.0	102	143	F	152	F
Naphthalene	ND	96.0	102	89.3		103	
o-Xylene	ND	96.0	102	112		118	
sec-Butylbenzene	ND	96.0	102	105		112	
Styrene	ND	96.0	102	98.9		105	
tert-Butylbenzene	ND	96.0	102	105		113	
Tetrachloroethene	ND	96.0	102	102		109	
Tetrahydrofuran	ND	960	1020	1070		1220	
Toluene	ND	96.0	102	114		121	
trans-1,2-Dichloroethene	ND	96.0	102	121		128	
trans-1,3-Dichloropropene	ND	96.0	102	104		110	
trans-1,4-Dichloro-2-butene	ND	96.0	102	128	F	148	F
Trichloroethene	4.9	96.0	102	116		126	
Trichlorofluoromethane	ND	96.0	102	101		113	
Vinyl chloride	ND	96.0	102	104		113	
Xylenes, Total	ND	288	306	378	F	401	F

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Method Blank - Batch: 360-84105

Method: MA-EPH
Preparation: 3546

Lab Sample ID:	MB 360-84105/1-A	Analysis Batch:	360-84518	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-84105	Lab File ID:	R401925.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/09/2011 1026	Units:	mg/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	11/30/2011 1455			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	RL
Acenaphthene	ND		0.33
Acenaphthylene	ND		0.33
Anthracene	ND		0.33
Benzo[a]anthracene	ND		0.33
Benzo[a]pyrene	ND		0.33
Benzo[b]fluoranthene	ND		0.33
Benzo[g,h,i]perylene	ND		0.33
Benzo[k]fluoranthene	ND		0.33
Chrysene	ND		0.33
Dibenz(a,h)anthracene	ND		0.33
Fluoranthene	ND		0.33
Fluorene	ND		0.33
Indeno[1,2,3-cd]pyrene	ND		0.33
2-Methylnaphthalene	ND		0.33
Naphthalene	ND		0.33
Phenanthrene	ND		0.33
Pyrene	ND		0.33
C11-C22 Aromatics (unadjusted)	ND		3.3
C11-C22 Aromatics (Adjusted)	ND		3.3
C19-C36 Aliphatics	ND		3.3
C9-C18 Aliphatics	ND		3.3
Total EPH	ND		3.3

Surrogate	% Rec	Acceptance Limits
2-Bromonaphthalene	70	40 - 140
2-Fluorobiphenyl	71	40 - 140
o-Terphenyl	60	40 - 140
1-Chlorooctadecane	68	40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84105

Method: MA-EPH
Preparation: 3546

LCS Lab Sample ID:	LCS 360-84105/2-A	Analysis Batch:	360-84518	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-84105	Lab File ID:	R401913.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/09/2011 0552	Units:	mg/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	11/30/2011 1455			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 360-84105/3-A	Analysis Batch:	360-84518	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-84105	Lab File ID:	R401915.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/09/2011 0627	Units:	mg/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	11/30/2011 1455			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	72	71	40 - 140	2	25		
Acenaphthylene	70	69	40 - 140	2	25		
Anthracene	86	85	40 - 140	2	25		
Benzo[a]anthracene	97	95	40 - 140	1	25		
Benzo[a]pyrene	95	94	40 - 140	1	25		
Benzo[b]fluoranthene	100	98	40 - 140	2	25		
Benzo[g,h,i]perylene	94	93	40 - 140	1	25		
Benzo[k]fluoranthene	101	101	40 - 140	0	25		
Chrysene	94	93	40 - 140	2	25		
Dibenz(a,h)anthracene	93	92	40 - 140	1	25		
Fluoranthene	87	86	40 - 140	2	25		
Fluorene	77	76	40 - 140	2	25		
Indeno[1,2,3-cd]pyrene	97	97	40 - 140	1	25		
2-Methylnaphthalene	71	70	40 - 140	1	25		
Naphthalene	64	63	40 - 140	2	25		
Phenanthrene	81	80	40 - 140	1	25		
Pyrene	84	83	40 - 140	2	25		
C11-C22 Aromatics (unadjusted)	89	88	40 - 140	1	25		
C19-C36 Aliphatics	88	86	40 - 140	3	25		
C9-C18 Aliphatics	62	59	40 - 140	6	25		
C19	81	78	40 - 140	4	25		
Dodecane	64	61	40 - 140	5	25		
Hexadecane	76	73	40 - 140	5	25		
icosane	82	79	40 - 140	3	25		
n-Decane	52	49	40 - 140	6	25		
n-Docosane	80	78	40 - 140	3	25		
n-Hexacosane	85	83	40 - 140	2	25		
n-Hexatriacontane	89	85	40 - 140	4	25		
n-Nonane	43	40	30 - 140	7	25		
n-Octacosane	83	81	40 - 140	2	25		
n-Octadecane	80	77	40 - 140	4	25		
n-Tetracosane	80	78	40 - 140	2	25		
n-Tetradecane	73	70	40 - 140	4	25		
Triacontane	82	80	40 - 140	2	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Bromonaphthalene	77	76	40 - 140
2-Fluorobiphenyl	76	75	40 - 140
o-Terphenyl	74	73	40 - 140
1-Chlorooctadecane	68	65	40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84105

Method: MA-EPH
Preparation: 3546

LCS Lab Sample ID:	LCS 360-84105/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 360-84105/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/09/2011 0552			Analysis Date:	12/09/2011 0627
Prep Date:	11/30/2011 1455			Prep Date:	11/30/2011 1455
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Acenaphthene	3.33	3.33	2.39	2.35
Acenaphthylene	3.33	3.33	2.34	2.30
Anthracene	3.33	3.33	2.87	2.82
Benzo[a]anthracene	3.33	3.33	3.22	3.17
Benzo[a]pyrene	3.33	3.33	3.17	3.13
Benzo[b]fluoranthene	3.33	3.33	3.34	3.27
Benzo[g,h,i]perylene	3.33	3.33	3.15	3.11
Benzo[k]fluoranthene	3.33	3.33	3.38	3.37
Chrysene	3.33	3.33	3.15	3.09
Dibenz(a,h)anthracene	3.33	3.33	3.09	3.05
Fluoranthene	3.33	3.33	2.91	2.86
Fluorene	3.33	3.33	2.58	2.53
Indeno[1,2,3-cd]pyrene	3.33	3.33	3.25	3.22
2-Methylnaphthalene	3.33	3.33	2.37	2.33
Naphthalene	3.33	3.33	2.14	2.10
Phenanthrene	3.33	3.33	2.71	2.67
Pyrene	3.33	3.33	2.81	2.76
C11-C22 Aromatics (unadjusted)	56.7	56.7	50.4	49.7
C19-C36 Aliphatics	26.7	26.7	23.6	22.9
C9-C18 Aliphatics	20.0	20.0	12.5	11.8
C19	3.33	3.33	2.71	2.61
Dodecane	3.33	3.33	2.15	2.04
Hexadecane	3.33	3.33	2.54	2.43
icosane	3.33	3.33	2.72	2.65
n-Decane	3.33	3.33	1.75	1.64
n-Docosane	3.33	3.33	2.67	2.59
n-Hexacosane	3.33	3.33	2.85	2.78
n-Hexatriacontane	3.33	3.33	2.96	2.85
n-Nonane	3.33	3.33	1.42	1.33
n-Octacosane	3.33	3.33	2.78	2.71
n-Octadecane	3.33	3.33	2.67	2.58
n-Tetracosane	3.33	3.33	2.65	2.59
n-Tetradecane	3.33	3.33	2.44	2.33
Triacontane	3.33	3.33	2.74	2.67

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84105

Method: MA-EPH
Preparation: 3546

MS Lab Sample ID:	360-37847-2	Analysis Batch:	360-84590	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-84105	Lab File ID:	R401995.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.32 g
Analysis Date:	12/12/2011 1626			Final Weight/Volume:	2.0 mL
Prep Date:	11/30/2011 1455			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	360-37847-2	Analysis Batch:	360-84590	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-84105	Lab File ID:	R401997.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.47 g
Analysis Date:	12/12/2011 1700			Final Weight/Volume:	2.0 mL
Prep Date:	11/30/2011 1455			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	82	71	40 - 140	12	50		
Acenaphthylene	81	70	40 - 140	11	50		
Anthracene	95	83	40 - 140	10	50		
Benzo[a]anthracene	100	87	40 - 140	11	50		
Benzo[a]pyrene	95	83	40 - 140	10	50		
Benzo[b]fluoranthene	101	86	40 - 140	13	50		
Benzo[g,h,i]perylene	105	92	40 - 140	11	50		
Benzo[k]fluoranthene	100	89	40 - 140	9	50		
Chrysene	97	85	40 - 140	11	50		
Dibenz(a,h)anthracene	97	87	40 - 140	8	50		
Fluoranthene	94	83	40 - 140	10	50		
Fluorene	88	77	40 - 140	11	50		
Indeno[1,2,3-cd]pyrene	108	91	40 - 140	15	50		
2-Methylnaphthalene	80	71	40 - 140	10	50		
Naphthalene	72	65	40 - 140	8	50		
Phenanthrene	92	80	40 - 140	11	50		
Pyrene	90	79	40 - 140	10	50		
C11-C22 Aromatics (unadjusted)	96	84	40 - 140	10	50		
C19-C36 Aliphatics	76	72	40 - 140	1	50		
C9-C18 Aliphatics	54	53	40 - 140	1	50		
C19	74	70	40 - 140	3	50		
Dodecane	56	53	40 - 140	2	50		
Hexadecane	69	66	40 - 140	1	50		
icosane	74	70	40 - 140	3	50		
n-Decane	44	42	40 - 140	1	50		
n-Docosane	70	66	40 - 140	4	50		
n-Hexacosane	76	71	40 - 140	3	50		
n-Hexatriacontane	86	81	40 - 140	4	50		
n-Nonane	35	33	30 - 140	2	50		
n-Octacosane	74	69	40 - 140	3	50		
n-Octadecane	72	69	40 - 140	2	50		
n-Tetracosane	70	66	40 - 140	3	50		
n-Tetradecane	65	63	40 - 140	1	50		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84105

Method: MA-EPH
Preparation: 3546

MS Lab Sample ID:	360-37847-2	Analysis Batch:	360-84590	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-84105	Lab File ID:	R401995.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.32 g
Analysis Date:	12/12/2011 1626			Final Weight/Volume:	2.0 mL
Prep Date:	11/30/2011 1455			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	360-37847-2	Analysis Batch:	360-84590	Instrument ID:	INST R
Client Matrix:	Solid	Prep Batch:	360-84105	Lab File ID:	R401997.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.47 g
Analysis Date:	12/12/2011 1700			Final Weight/Volume:	2.0 mL
Prep Date:	11/30/2011 1455			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Triacontane	72	68	40 - 140	3	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Bromonaphthalene	87	84	40 - 140
2-Fluorobiphenyl	86	83	40 - 140
o-Terphenyl	86	79	40 - 140
1-Chlorooctadecane	69	64	40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84105

Method: MA-EPH
Preparation: 3546

MS Lab Sample ID:	360-37847-2	Units: mg/Kg		MSD Lab Sample ID:	360-37847-2
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/12/2011 1626			Analysis Date:	12/12/2011 1700
Prep Date:	11/30/2011 1455			Prep Date:	11/30/2011 1455
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Acenaphthene	ND	3.79	3.90	3.12	2.77
Acenaphthylene	ND	3.79	3.90	3.07	2.74
Anthracene	ND	3.79	3.90	3.59	3.26
Benzo[a]anthracene	ND	3.79	3.90	3.79	3.40
Benzo[a]pyrene	ND	3.79	3.90	3.59	3.24
Benzo[b]fluoranthene	ND	3.79	3.90	3.85	3.37
Benzo[g,h,i]perylene	ND	3.79	3.90	4.00	3.60
Benzo[k]fluoranthene	ND	3.79	3.90	3.80	3.47
Chrysene	ND	3.79	3.90	3.70	3.31
Dibenz(a,h)anthracene	ND	3.79	3.90	3.68	3.40
Fluoranthene	ND	3.79	3.90	3.58	3.22
Fluorene	ND	3.79	3.90	3.33	2.99
Indeno[1,2,3-cd]pyrene	ND	3.79	3.90	4.09	3.54
2-Methylnaphthalene	ND	3.79	3.90	3.05	2.77
Naphthalene	ND	3.79	3.90	2.75	2.53
Phenanthrene	ND	3.79	3.90	3.50	3.13
Pyrene	ND	3.79	3.90	3.43	3.10
C11-C22 Aromatics (unadjusted)	3.9	64.5	66.4	61.9	56.0
C19-C36 Aliphatics	ND	30.4	31.2	23.0	22.6
C9-C18 Aliphatics	ND	22.8	23.4	12.4	12.5
C19	ND	3.79	3.90	2.79	2.72
Dodecane	ND	3.79	3.90	2.12	2.08
Hexadecane	ND	3.79	3.90	2.61	2.58
icosane	ND	3.79	3.90	2.82	2.74
n-Decane	ND	3.79	3.90	1.68	1.66
n-Docosane	ND	3.79	3.90	2.67	2.58
n-Hexacosane	ND	3.79	3.90	2.87	2.77
n-Hexatriacontane	ND	3.79	3.90	3.28	3.16
n-Nonane	ND	3.79	3.90	1.31	1.29
n-Octacosane	ND	3.79	3.90	2.79	2.70
n-Octadecane	ND	3.79	3.90	2.74	2.69
n-Tetracosane	ND	3.79	3.90	2.66	2.57
n-Tetradecane	ND	3.79	3.90	2.47	2.44
Triacontane	ND	3.79	3.90	2.74	2.65

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Method Blank - Batch: 360-84222

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 360-84222/1-A	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	12/02/2011 1733	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Arsenic	ND		1.0
Barium	ND		0.50
Cadmium	ND		0.20
Chromium	ND		0.50
Lead	ND		0.50
Selenium	ND		0.50
Silver	ND		1.0

LCS-Certified Reference Material/ LCSD - Certified Reference Material Recovery Report - Batch: 360-84222

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCSSRM 360-84222/2-A	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	12/02/2011 1745	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCDSRM 360-84222/3-A	Analysis Batch:	360-84306	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-84222	Lab File ID:	120211d.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	12/02/2011 1742	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Arsenic	87	91	61 - 117	4	30		
Barium	83	84	71.1 - 119	1	30		
Cadmium	82	84	65.6 - 113	3	30		
Chromium	89	90	68.0 - 124	1	30		
Lead	81	80	64.8 - 110	0	30		
Selenium	77	80	53.1 - 110	4	30		
Silver	79	83	56.9 - 113	5	30		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84222

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCSSRM 360-84222/2-A	Units: mg/Kg	LCSD Lab Sample ID:	LCDSRM 360-84222/3-A	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	12/02/2011 1745		Analysis Date:	12/02/2011 1742	
Prep Date:	12/02/2011 1040		Prep Date:	12/02/2011 1040	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	90.0	90.0	78.6	81.7
Barium	730	730	604	611
Cadmium	106	106	86.8	89.2
Chromium	272	272	242	245
Lead	267	267	215	215
Selenium	154	154	119	124
Silver	67.5	67.5	53.1	55.7

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84222

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	360-37847-2	Analysis Batch: 360-84306		Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch: 360-84222		Lab File ID:	120211d.csv
Dilution:	1.0	Leach Batch: N/A		Initial Weight/Volume:	1.72 g
Analysis Date:	12/02/2011 1751			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				
Leach Date:	N/A				
MSD Lab Sample ID:	360-37847-2	Analysis Batch: 360-84306		Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch: 360-84222		Lab File ID:	120211d.csv
Dilution:	1.0	Leach Batch: N/A		Initial Weight/Volume:	1.72 g
Analysis Date:	12/02/2011 1754			Final Weight/Volume:	100 mL
Prep Date:	12/02/2011 1040				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	86	87	75 - 125	4	35		
Barium	93	77	75 - 125	6	35		
Cadmium	86	85	75 - 125	2	35		
Chromium	88	106	75 - 125	16	35		
Lead	84	82	75 - 125	1	35		
Selenium	78	78	75 - 125	3	35		
Silver	85	84	75 - 125	2	35		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84222

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	360-37847-2	Units: mg/Kg	MSD Lab Sample ID:	360-37847-2	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	12/02/2011 1751		Analysis Date:	12/02/2011 1754	
Prep Date:	12/02/2011 1040		Prep Date:	12/02/2011 1040	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	1.5	66.9	69.2	59.2	61.8
Barium	110	66.9	69.2	169	160
Cadmium	ND	66.9	69.2	57.7	58.8
Chromium	21	66.9	69.2	79.6	93.6
Lead	4.7	66.9	69.2	60.7	61.2
Selenium	ND	66.9	69.2	52.5	54.3
Silver	ND	66.9	69.2	56.9	58.1

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Method Blank - Batch: 360-84497

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 360-84497/1-A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.20 g
Analysis Date:	12/09/2011 1151	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Mercury	ND		0.10

LCS-Certified Reference Material/
LCSD - Certified Reference Material Recovery Report - Batch: 360-84497

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID:	LCSSRM 360-84497/2-A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.10 g
Analysis Date:	12/09/2011 1153	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCDSRM 360-84497/3-A	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.10 g
Analysis Date:	12/09/2011 1154	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	91	84	46.5 - 135	8	30		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84497

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID:	LCSSRM 360-84497/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCDSRM 360-84497/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	5.0			Dilution:	5.0
Analysis Date:	12/09/2011 1153			Analysis Date:	12/09/2011 1154
Prep Date:	12/08/2011 1014			Prep Date:	12/08/2011 1014
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	10.3	10.3	9.33	8.63

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84497

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	360-37847-2	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.23 g
Analysis Date:	12/09/2011 1158			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				
Leach Date:	N/A				

MSD Lab Sample ID:	360-37847-2	Analysis Batch:	360-84566	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-84497	Lab File ID:	120911.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.25 g
Analysis Date:	12/09/2011 1200			Final Weight/Volume:	50 mL
Prep Date:	12/08/2011 1014				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	94	100	75 - 125	1	35		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84497

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	360-37847-2	Units:	mg/Kg	MSD Lab Sample ID:	360-37847-2
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/09/2011 1158			Analysis Date:	12/09/2011 1200
Prep Date:	12/08/2011 1014			Prep Date:	12/08/2011 1014
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	1.25	1.19	1.18	1.19

DATA REPORTING QUALIFIERS

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:360-84698					
LCS 360-84699/1-A	Lab Control Sample	T	Solid	8260B	360-84699
LCSD 360-84699/2-A	Lab Control Sample Duplicate	T	Solid	8260B	360-84699
MB 360-84699/3-A	Method Blank	T	Solid	8260B	360-84699
360-37847-1	BC-SO-SB304-0406	T	Solid	8260B	360-84699
360-37847-2	BC-SO-SB308-1012	T	Solid	8260B	360-84699
360-37847-2MS	Matrix Spike	T	Solid	8260B	360-84699
360-37847-2MSD	Matrix Spike Duplicate	T	Solid	8260B	360-84699
360-37847-3	BC-SO-SB305-1012	T	Solid	8260B	360-84699
360-37847-4	BC-SO-SB306-1012	T	Solid	8260B	360-84699
360-37847-5	BC-SO-SB305-0203	T	Solid	8260B	360-84699
360-37847-6	BC-SO-SB307-0810	T	Solid	8260B	360-84699
360-37847-7	BC-TB-112911	T	Solid	8260B	360-84699
360-37847-8	BC-SO-SB200A-0406	T	Solid	8260B	360-84699
Prep Batch: 360-84699					
LCS 360-84699/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-84699/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-84699/3-A	Method Blank	T	Solid	5035	
360-37847-1	BC-SO-SB304-0406	T	Solid	5035	
360-37847-2	BC-SO-SB308-1012	T	Solid	5035	
360-37847-2MS	Matrix Spike	T	Solid	5035	
360-37847-2MSD	Matrix Spike Duplicate	T	Solid	5035	
360-37847-3	BC-SO-SB305-1012	T	Solid	5035	
360-37847-4	BC-SO-SB306-1012	T	Solid	5035	
360-37847-5	BC-SO-SB305-0203	T	Solid	5035	
360-37847-6	BC-SO-SB307-0810	T	Solid	5035	
360-37847-7	BC-TB-112911	T	Solid	5035	
360-37847-8	BC-SO-SB200A-0406	T	Solid	5035	

Report Basis
T = Total

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-84105					
LCS 360-84105/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-84105/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-84105/1-A	Method Blank	T	Solid	3546	
360-37847-1	BC-SO-SB304-0406	T	Solid	3546	
360-37847-2	BC-SO-SB308-1012	T	Solid	3546	
360-37847-2MS	Matrix Spike	T	Solid	3546	
360-37847-2MSD	Matrix Spike Duplicate	T	Solid	3546	
360-37847-3	BC-SO-SB305-1012	T	Solid	3546	
360-37847-4	BC-SO-SB306-1012	T	Solid	3546	
360-37847-5	BC-SO-SB305-0203	T	Solid	3546	
360-37847-6	BC-SO-SB307-0810	T	Solid	3546	
360-37847-8	BC-SO-SB200A-0406	T	Solid	3546	
Analysis Batch:360-84518					
LCS 360-84105/2-A	Lab Control Sample	T	Solid	MA-EPH	360-84105
LCSD 360-84105/3-A	Lab Control Sample Duplicate	T	Solid	MA-EPH	360-84105
MB 360-84105/1-A	Method Blank	T	Solid	MA-EPH	360-84105
Analysis Batch:360-84590					
360-37847-1	BC-SO-SB304-0406	T	Solid	MA-EPH	360-84105
360-37847-2	BC-SO-SB308-1012	T	Solid	MA-EPH	360-84105
360-37847-2MS	Matrix Spike	T	Solid	MA-EPH	360-84105
360-37847-2MSD	Matrix Spike Duplicate	T	Solid	MA-EPH	360-84105
360-37847-3	BC-SO-SB305-1012	T	Solid	MA-EPH	360-84105
360-37847-4	BC-SO-SB306-1012	T	Solid	MA-EPH	360-84105
360-37847-5	BC-SO-SB305-0203	T	Solid	MA-EPH	360-84105
360-37847-6	BC-SO-SB307-0810	T	Solid	MA-EPH	360-84105
360-37847-8	BC-SO-SB200A-0406	T	Solid	MA-EPH	360-84105

Report Basis
T = Total

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-84222					
LCSSRM 360-84222/2-A	LCS-Certified Reference Material	T	Solid	3050B	
LCDSRM 360-84222/3-A	LCSD - Certified Reference Material	T	Solid	3050B	
MB 360-84222/1-A	Method Blank	T	Solid	3050B	
360-37847-1	BC-SO-SB304-0406	T	Solid	3050B	
360-37847-2	BC-SO-SB308-1012	T	Solid	3050B	
360-37847-2MS	Matrix Spike	T	Solid	3050B	
360-37847-2MSD	Matrix Spike Duplicate	T	Solid	3050B	
360-37847-3	BC-SO-SB305-1012	T	Solid	3050B	
360-37847-4	BC-SO-SB306-1012	T	Solid	3050B	
360-37847-5	BC-SO-SB305-0203	T	Solid	3050B	
360-37847-6	BC-SO-SB307-0810	T	Solid	3050B	
360-37847-8	BC-SO-SB200A-0406	T	Solid	3050B	
Analysis Batch:360-84306					
LCSSRM 360-84222/2-A	LCS-Certified Reference Material	T	Solid	6010B	360-84222
LCDSRM 360-84222/3-A	LCSD - Certified Reference Material	T	Solid	6010B	360-84222
MB 360-84222/1-A	Method Blank	T	Solid	6010B	360-84222
360-37847-1	BC-SO-SB304-0406	T	Solid	6010B	360-84222
360-37847-2	BC-SO-SB308-1012	T	Solid	6010B	360-84222
360-37847-2MS	Matrix Spike	T	Solid	6010B	360-84222
360-37847-2MSD	Matrix Spike Duplicate	T	Solid	6010B	360-84222
360-37847-3	BC-SO-SB305-1012	T	Solid	6010B	360-84222
360-37847-4	BC-SO-SB306-1012	T	Solid	6010B	360-84222
360-37847-5	BC-SO-SB305-0203	T	Solid	6010B	360-84222
360-37847-6	BC-SO-SB307-0810	T	Solid	6010B	360-84222
360-37847-8	BC-SO-SB200A-0406	T	Solid	6010B	360-84222
Prep Batch: 360-84497					
LCSSRM 360-84497/2-A	LCS-Certified Reference Material	T	Solid	7471A	
LCDSRM 360-84497/3-A	LCSD - Certified Reference Material	T	Solid	7471A	
MB 360-84497/1-A	Method Blank	T	Solid	7471A	
360-37847-1	BC-SO-SB304-0406	T	Solid	7471A	
360-37847-2	BC-SO-SB308-1012	T	Solid	7471A	
360-37847-2MS	Matrix Spike	T	Solid	7471A	
360-37847-2MSD	Matrix Spike Duplicate	T	Solid	7471A	
360-37847-3	BC-SO-SB305-1012	T	Solid	7471A	
360-37847-4	BC-SO-SB306-1012	T	Solid	7471A	
360-37847-5	BC-SO-SB305-0203	T	Solid	7471A	
360-37847-6	BC-SO-SB307-0810	T	Solid	7471A	
360-37847-8	BC-SO-SB200A-0406	T	Solid	7471A	

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
Sdg Number: 360-37847

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:360-84566					
LCSSRM 360-84497/2-A	LCS-Certified Reference Material	T	Solid	7471A	360-84497
LCDSRM 360-84497/3-A	LCSD - Certified Reference Material	T	Solid	7471A	360-84497
MB 360-84497/1-A	Method Blank	T	Solid	7471A	360-84497
360-37847-1	BC-SO-SB304-0406	T	Solid	7471A	360-84497
360-37847-2	BC-SO-SB308-1012	T	Solid	7471A	360-84497
360-37847-2MS	Matrix Spike	T	Solid	7471A	360-84497
360-37847-2MSD	Matrix Spike Duplicate	T	Solid	7471A	360-84497
360-37847-3	BC-SO-SB305-1012	T	Solid	7471A	360-84497
360-37847-4	BC-SO-SB306-1012	T	Solid	7471A	360-84497
360-37847-5	BC-SO-SB305-0203	T	Solid	7471A	360-84497
360-37847-6	BC-SO-SB307-0810	T	Solid	7471A	360-84497
360-37847-8	BC-SO-SB200A-0406	T	Solid	7471A	360-84497

Report Basis
T = Total

General Chemistry					
Analysis Batch:360-84149					
360-37847-1	BC-SO-SB304-0406	T	Solid	Moisture	
360-37847-2	BC-SO-SB308-1012	T	Solid	Moisture	
360-37847-2MS	Matrix Spike	T	Solid	Moisture	
360-37847-2MSD	Matrix Spike Duplicate	T	Solid	Moisture	
360-37847-3	BC-SO-SB305-1012	T	Solid	Moisture	
360-37847-4	BC-SO-SB306-1012	T	Solid	Moisture	
360-37847-5	BC-SO-SB305-0203	T	Solid	Moisture	
360-37847-6	BC-SO-SB307-0810	T	Solid	Moisture	
360-37847-8	BC-SO-SB200A-0406	T	Solid	Moisture	

Report Basis
T = Total

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
SDG: 360-37847

Laboratory Chronicle

Lab ID: 360-37847-1 **Client ID:** BC-SO-SB304-0406

Sample Date/Time: 11/29/2011 13:20 Received Date/Time: 11/30/2011 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37847-D-1-A		360-84698	360-84699	12/12/2011 11:22	1	TAL WFD	BW
A:8260B	360-37847-D-1-A		360-84698	360-84699	12/12/2011 18:37	1	TAL WFD	BW
P:3546	360-37847-A-1-A		360-84590	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37847-A-1-A		360-84590	360-84105	12/12/2011 15:18	1	TAL WFD	VMM
P:3050B	360-37847-A-1-B		360-84306	360-84222	12/02/2011 10:40	1	TAL WFD	OG
A:6010B	360-37847-A-1-B		360-84306	360-84222	12/02/2011 18:41	1	TAL WFD	TJS
P:7471A	360-37847-A-1-C		360-84566	360-84497	12/08/2011 10:14	1	TAL WFD	OG
A:7471A	360-37847-A-1-C		360-84566	360-84497	12/09/2011 12:03	1	TAL WFD	TJS
A:Moisture	360-37847-A-1		360-84149		12/01/2011 09:25	1	TAL WFD	OG

Lab ID: 360-37847-2 **Client ID:** BC-SO-SB308-1012

Sample Date/Time: 11/29/2011 11:20 Received Date/Time: 11/30/2011 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37847-D-2-A		360-84698	360-84699	12/12/2011 11:22	1	TAL WFD	BW
A:8260B	360-37847-D-2-A		360-84698	360-84699	12/12/2011 19:02	1	TAL WFD	BW
P:3546	360-37847-A-2-A		360-84590	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37847-A-2-A		360-84590	360-84105	12/12/2011 15:52	1	TAL WFD	VMM
P:3050B	360-37847-A-2-D		360-84306	360-84222	12/02/2011 10:40	1	TAL WFD	OG
A:6010B	360-37847-A-2-D		360-84306	360-84222	12/02/2011 17:48	1	TAL WFD	TJS
P:7471A	360-37847-A-2-G		360-84566	360-84497	12/08/2011 10:14	1	TAL WFD	OG
A:7471A	360-37847-A-2-G		360-84566	360-84497	12/09/2011 11:56	1	TAL WFD	TJS
A:Moisture	360-37847-A-2		360-84149		12/01/2011 09:25	1	TAL WFD	OG

Lab ID: 360-37847-2 **Client ID:** BC-SO-SB308-1012

Sample Date/Time: 11/29/2011 11:20 Received Date/Time: 11/30/2011 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37847-D-2-B MS		360-84698	360-84699	12/12/2011 11:22	1	TAL WFD	BW
A:8260B	360-37847-D-2-B MS		360-84698	360-84699	12/13/2011 02:15	1	TAL WFD	BW
P:3546	360-37847-A-2-B MS		360-84590	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37847-A-2-B MS		360-84590	360-84105	12/12/2011 16:26	1	TAL WFD	VMM
P:3050B	360-37847-A-2-E MS		360-84306	360-84222	12/02/2011 10:40	1	TAL WFD	OG
A:6010B	360-37847-A-2-E MS		360-84306	360-84222	12/02/2011 17:51	1	TAL WFD	TJS
P:7471A	360-37847-A-2-H MS		360-84566	360-84497	12/08/2011 10:14	1	TAL WFD	OG
A:7471A	360-37847-A-2-H MS		360-84566	360-84497	12/09/2011 11:58	1	TAL WFD	TJS
A:Moisture	360-37847-A-2 MS		360-84149		12/01/2011 09:25	1	TAL WFD	OG

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
SDG: 360-37847

Laboratory Chronicle

Lab ID: 360-37847-2 **Client ID:** BC-SO-SB308-1012

Sample Date/Time: 11/29/2011 11:20 Received Date/Time: 11/30/2011 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37847-E-2-A MSD		360-84698	360-84699	12/12/2011 11:22	1	TAL WFD	BW
A:8260B	360-37847-E-2-A MSD		360-84698	360-84699	12/13/2011 02:40	1	TAL WFD	BW
P:3546	360-37847-A-2-C MSD		360-84590	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37847-A-2-C MSD		360-84590	360-84105	12/12/2011 17:00	1	TAL WFD	VMM
P:3050B	360-37847-A-2-F MSD		360-84306	360-84222	12/02/2011 10:40	1	TAL WFD	OG
A:6010B	360-37847-A-2-F MSD		360-84306	360-84222	12/02/2011 17:54	1	TAL WFD	TJS
P:7471A	360-37847-A-2-I MSD		360-84566	360-84497	12/08/2011 10:14	1	TAL WFD	OG
A:7471A	360-37847-A-2-I MSD		360-84566	360-84497	12/09/2011 12:00	1	TAL WFD	TJS
A:Moisture	360-37847-A-2 MSD		360-84149		12/01/2011 09:25	1	TAL WFD	OG

Lab ID: 360-37847-3 **Client ID:** BC-SO-SB305-1012

Sample Date/Time: 11/29/2011 09:00 Received Date/Time: 11/30/2011 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37847-D-3-A		360-84698	360-84699	12/12/2011 11:22	1	TAL WFD	BW
A:8260B	360-37847-D-3-A		360-84698	360-84699	12/12/2011 19:28	1	TAL WFD	BW
P:3546	360-37847-A-3-A		360-84590	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37847-A-3-A		360-84590	360-84105	12/12/2011 17:34	1	TAL WFD	VMM
P:3050B	360-37847-A-3-B		360-84306	360-84222	12/02/2011 10:40	1	TAL WFD	OG
A:6010B	360-37847-A-3-B		360-84306	360-84222	12/02/2011 18:44	1	TAL WFD	TJS
P:7471A	360-37847-A-3-C		360-84566	360-84497	12/08/2011 10:14	1	TAL WFD	OG
A:7471A	360-37847-A-3-C		360-84566	360-84497	12/09/2011 12:05	1	TAL WFD	TJS
A:Moisture	360-37847-A-3		360-84149		12/01/2011 09:25	1	TAL WFD	OG

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
SDG: 360-37847

Laboratory Chronicle

Lab ID: 360-37847-4 **Client ID:** BC-SO-SB306-1012

Sample Date/Time: 11/29/2011 09:55 Received Date/Time: 11/30/2011 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37847-D-4-A		360-84698	360-84699	12/12/2011 11:22	1	TAL WFD	BW
A:8260B	360-37847-D-4-A		360-84698	360-84699	12/12/2011 19:53	1	TAL WFD	BW
P:3546	360-37847-A-4-A		360-84590	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37847-A-4-A		360-84590	360-84105	12/12/2011 18:08	1	TAL WFD	VMM
P:3050B	360-37847-A-4-B		360-84306	360-84222	12/02/2011 10:40	1	TAL WFD	OG
A:6010B	360-37847-A-4-B		360-84306	360-84222	12/02/2011 18:53	1	TAL WFD	TJS
P:7471A	360-37847-A-4-C		360-84566	360-84497	12/08/2011 10:14	1	TAL WFD	OG
A:7471A	360-37847-A-4-C		360-84566	360-84497	12/09/2011 12:07	1	TAL WFD	TJS
A:Moisture	360-37847-A-4		360-84149		12/01/2011 09:25	1	TAL WFD	OG

Lab ID: 360-37847-5 **Client ID:** BC-SO-SB305-0203

Sample Date/Time: 11/29/2011 08:45 Received Date/Time: 11/30/2011 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37847-D-5-A		360-84698	360-84699	12/12/2011 11:22	1	TAL WFD	BW
A:8260B	360-37847-D-5-A		360-84698	360-84699	12/12/2011 20:19	1	TAL WFD	BW
P:3546	360-37847-A-5-A		360-84590	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37847-A-5-A		360-84590	360-84105	12/12/2011 18:42	1	TAL WFD	VMM
P:3050B	360-37847-A-5-B ^50		360-84306	360-84222	12/02/2011 10:40	50	TAL WFD	OG
A:6010B	360-37847-A-5-B ^50		360-84306	360-84222	12/02/2011 18:59	50	TAL WFD	TJS
P:7471A	360-37847-A-5-C		360-84566	360-84497	12/08/2011 10:14	1	TAL WFD	OG
A:7471A	360-37847-A-5-C		360-84566	360-84497	12/09/2011 12:12	1	TAL WFD	TJS
A:Moisture	360-37847-A-5		360-84149		12/01/2011 09:25	1	TAL WFD	OG

Lab ID: 360-37847-6 **Client ID:** BC-SO-SB307-0810

Sample Date/Time: 11/29/2011 14:40 Received Date/Time: 11/30/2011 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37847-D-6-A		360-84698	360-84699	12/12/2011 11:22	1	TAL WFD	BW
A:8260B	360-37847-D-6-A		360-84698	360-84699	12/12/2011 20:44	1	TAL WFD	BW
P:3546	360-37847-A-6-A		360-84590	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37847-A-6-A		360-84590	360-84105	12/12/2011 19:16	1	TAL WFD	VMM
P:3050B	360-37847-A-6-B		360-84306	360-84222	12/02/2011 10:40	1	TAL WFD	OG
A:6010B	360-37847-A-6-B		360-84306	360-84222	12/02/2011 19:02	1	TAL WFD	TJS
P:7471A	360-37847-A-6-C		360-84566	360-84497	12/08/2011 10:14	1	TAL WFD	OG
A:7471A	360-37847-A-6-C		360-84566	360-84497	12/09/2011 12:14	1	TAL WFD	TJS
A:Moisture	360-37847-A-6		360-84149		12/01/2011 09:25	1	TAL WFD	OG

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
SDG: 360-37847

Laboratory Chronicle

Lab ID: 360-37847-7 **Client ID:** BC-TB-112911

Sample Date/Time: 11/29/2011 09:00 Received Date/Time: 11/30/2011 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37847-B-7-A		360-84698	360-84699	12/12/2011 11:22	1	TAL WFD	BW
A:8260B	360-37847-B-7-A		360-84698	360-84699	12/12/2011 21:09	1	TAL WFD	BW

Lab ID: 360-37847-8 **Client ID:** BC-SO-SB200A-0406

Sample Date/Time: 11/29/2011 15:35 Received Date/Time: 11/30/2011 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	360-37847-D-8-A		360-84698	360-84699	12/12/2011 11:22	1	TAL WFD	BW
A:8260B	360-37847-D-8-A		360-84698	360-84699	12/12/2011 21:35	1	TAL WFD	BW
P:3546	360-37847-A-8-A		360-84590	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	360-37847-A-8-A		360-84590	360-84105	12/12/2011 19:50	1	TAL WFD	VMM
P:3050B	360-37847-A-8-B		360-84306	360-84222	12/02/2011 10:40	1	TAL WFD	OG
A:6010B	360-37847-A-8-B		360-84306	360-84222	12/02/2011 19:05	1	TAL WFD	TJS
P:7471A	360-37847-A-8-C		360-84566	360-84497	12/08/2011 10:14	1	TAL WFD	OG
A:7471A	360-37847-A-8-C		360-84566	360-84497	12/09/2011 12:16	1	TAL WFD	TJS
A:Moisture	360-37847-A-8		360-84149		12/01/2011 09:25	1	TAL WFD	OG

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 360-84699/3-A		360-84698	360-84699	12/12/2011 11:22	1	TAL WFD	BW
A:8260B	MB 360-84699/3-A		360-84698	360-84699	12/12/2011 18:12	1	TAL WFD	BW
P:3546	MB 360-84105/1-A		360-84518	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	MB 360-84105/1-A		360-84518	360-84105	12/09/2011 10:26	1	TAL WFD	VMM
P:3050B	MB 360-84222/1-A		360-84306	360-84222	12/02/2011 10:40	1	TAL WFD	OG
A:6010B	MB 360-84222/1-A		360-84306	360-84222	12/02/2011 17:33	1	TAL WFD	TJS
P:7471A	MB 360-84497/1-A		360-84566	360-84497	12/08/2011 10:14	1	TAL WFD	OG
A:7471A	MB 360-84497/1-A		360-84566	360-84497	12/09/2011 11:51	1	TAL WFD	TJS

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 360-84699/1-A		360-84698	360-84699	12/12/2011 11:22	1	TAL WFD	BW
A:8260B	LCS 360-84699/1-A		360-84698	360-84699	12/12/2011 16:56	1	TAL WFD	BW
P:3546	LCS 360-84105/2-A		360-84518	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	LCS 360-84105/2-A		360-84518	360-84105	12/09/2011 05:52	1	TAL WFD	VMM

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
SDG: 360-37847

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 360-84699/2-A		360-84698	360-84699	12/12/2011 11:22	1	TAL WFD	BW
A:8260B	LCSD 360-84699/2-A		360-84698	360-84699	12/12/2011 17:21	1	TAL WFD	BW
P:3546	LCSD 360-84105/3-A		360-84518	360-84105	11/30/2011 14:55	1	TAL WFD	TLV
A:MA-EPH	LCSD 360-84105/3-A		360-84518	360-84105	12/09/2011 06:27	1	TAL WFD	VMM

Lab ID: LCSSRM **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:3050B	LCSSRM 360-84222/2-A		360-84306	360-84222	12/02/2011 10:40	1	TAL WFD	OG
A:6010B	LCSSRM 360-84222/2-A		360-84306	360-84222	12/02/2011 17:45	1	TAL WFD	TJS
P:7471A	LCSSRM 360-84497/2-A		360-84566	360-84497	12/08/2011 10:14	5	TAL WFD	OG
A:7471A	LCSSRM 360-84497/2-A		360-84566	360-84497	12/09/2011 11:53	5	TAL WFD	TJS

Lab ID: LCDSRM **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:3050B	LCDSRM 360-84222/3-A		360-84306	360-84222	12/02/2011 10:40	1	TAL WFD	OG
A:6010B	LCDSRM 360-84222/3-A		360-84306	360-84222	12/02/2011 17:42	1	TAL WFD	TJS
P:7471A	LCDSRM 360-84497/3-A		360-84566	360-84497	12/08/2011 10:14	5	TAL WFD	OG
A:7471A	LCDSRM 360-84497/3-A		360-84566	360-84497	12/09/2011 11:54	5	TAL WFD	TJS

Lab References:
TAL WFD = TestAmerica Westfield

Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Beaton & Corbin Factory Site

TestAmerica Job ID: 360-37847-1
SDG: 360-37847

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Westfield	Connecticut	State Program	1	PH-0494
TestAmerica Westfield	Maine	State Program	1	MA00014
TestAmerica Westfield	Massachusetts	State Program	1	M-MA014
TestAmerica Westfield	New Hampshire	NELAC	1	2539
TestAmerica Westfield	New York	NELAC	2	10843
TestAmerica Westfield	Rhode Island	State Program	1	LAO00057
TestAmerica Westfield	Vermont	State Program	1	VT-10843

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

State Accreditation Matrix

Method Name	Description	State where **Primary** Accreditation is Carried		
		New Hampshire (NELAC)	Mass	Conn
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)	NP		
SM 4500 Cl F	Chlorine, Residual		NP	
SM 9215E	Heterotrophic Plate Count (SimPlate)		P	
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP	
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P	
SM 9224	Coliforms, Total, and E.Coli (Enumeration)		P	
1103.1	E.coli		ambient/ source	
Enterolert	Enterococcus			
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P	
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	
6010B/C	Metals (ICP)(list upon request)	NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	
7470A	Mercury (CVAA)	NP		
7471A	Mercury (CVAA)	SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		
3010A	Preparation, Total Metals	NP/P		
3020A	Preparation, Total Metals	NP/P/SW		
3050B	Preparation, Metals	SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)	P	P	
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP	NP	
3546	Microwave Extraction	SW		
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		
3550B	Ultrasonic Extraction	SW		
8081AB	Organochlorine Pesticides (GC)(list upon request)	NP/SW		
8082/A	PCBs by Gas Chromatography(list upon request)	NP/SW		
8270C/D	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)	NP/SW		NP/SW
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)	NP/SW		
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	
524.2	Trihalomethane compounds	P	P	
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	
5035	Closed System Purge and Trap	SW		
5030B	Purge and Trap	NP		
8260B/C	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			
180.1	Turbidity, Nephelometric	P	P	
300	Anions, Ion Chromatography	NP/P	NP/P	
410.4	COD	NP	NP	
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	
7196A	Chromium, Hexavalent	NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		
9045C	pH	SW		
L107041C	Nitrogen, Nitrate	NP	P	
L107-06-1B	Nitrogen Ammonia	NP	NP	
L204001A CN	Cyanide, Total	P	NP/P	
L210-001A	Phenolics, Total Recoverable	NP	NP	
SM 2320B	Alkalinity	NP/P	NP/P	
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	
SM 3500 CR D	Chromium, Hexavalent	NP		
SM 4500 H+ B	pH	NP/P	NP/P	
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	
SM 4500 P E	Phosphorus, Total	NP	NP	
SM 4500 S2 D	Sulfide, Total	NP		
SM 5210B	BOD, 5-Day	NP	NP	
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP	

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 the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Matrix: Solid Level: Low

GC Column (1): RTX-VMS ID: 0.25 (um)

Client Sample ID	Lab Sample ID	DBFM #	TOL #	BFB #
BC-SO-SB304-0406	360-37847-1	95	94	101
BC-SO-SB308-1012	360-37847-2	95	93	104
BC-SO-SB305-1012	360-37847-3	94	94	102
BC-SO-SB306-1012	360-37847-4	96	94	103
BC-SO-SB305-0203	360-37847-5	96	91	100
BC-SO-SB307-0810	360-37847-6	93	93	100
BC-TB-112911	360-37847-7	96	94	101
BC-SO-SB200A-0406	360-37847-8	97	93	101
	MB 360-84699/3-A	95	93	102
	LCS 360-84699/1-A	93	102	100
	LCSD 360-84699/2-A	91	101	99
BC-SO-SB308-1012 MS	360-37847-2 MS	95	102	102
BC-SO-SB308-1012 MSD	360-37847-2 MSD	94	100	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.: 360-37847-1

SDG No.: 360-37847

Matrix: Solid Level: Low Lab File ID: V55292.D

Lab ID: LCS 360-84699/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	100	94.0	94	70-130	
1,1,1-Trichloroethane	100	101	101	70-130	
1,1,2,2-Tetrachloroethane	100	104	104	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	100	82.0	82	70-130	
1,1,2-Trichloroethane	100	111	111	70-130	
1,1-Dichloroethane	100	107	107	70-130	
1,1-Dichloroethene	100	107	107	70-130	
1,1-Dichloropropene	100	111	111	70-130	
1,2,3-Trichlorobenzene	100	99.0	99	70-130	
1,2,3-Trichloropropane	100	86.0	86	70-130	
1,2,4-Trichlorobenzene	100	100	100	70-130	
1,2,4-Trimethylbenzene	100	104	104	70-130	
1,2-Dibromo-3-Chloropropane	100	89.0	89	70-130	
1,2-Dichlorobenzene	100	97.5	98	70-130	
1,2-Dichloroethane	100	100	100	70-130	
1,2-Dichloropropane	100	118	118	70-130	
1,3,5-Trimethylbenzene	100	115	115	70-130	
1,3-Dichlorobenzene	100	92.5	93	70-130	
1,3-Dichloropropane	100	96.5	97	70-130	
1,4-Dichlorobenzene	100	95.0	95	70-130	
2,2-Dichloropropane	100	101	101	70-130	
2-Butanone (MEK)	1000	1250	125	70-130	
2-Chlorotoluene	100	117	117	70-130	
2-Hexanone	1000	1430	143	70-130	*
4-Chlorotoluene	100	94.5	95	70-130	
4-Isopropyltoluene	100	99.5	100	70-130	
4-Methyl-2-pentanone (MIBK)	1000	1430	143	70-130	*
Acetone	1000	1260	126	70-130	
Acrylonitrile	100	108	108	70-130	
Benzene	100	109	109	70-130	
Bromobenzene	100	100	100	70-130	
Bromoform	100	79.5	80	70-130	
Bromomethane	100	92.0	92	70-130	
Carbon disulfide	100	135	135	70-130	*
Carbon tetrachloride	100	99.0	99	70-130	
Chlorobenzene	100	97.5	98	70-130	
Chlorodibromomethane	100	88.0	88	70-130	
Chloroethane	100	109	109	70-130	
Chloroform	100	102	102	70-130	
Chloromethane	100	104	104	70-130	
cis-1,2-Dichloroethene	100	106	106	70-130	

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.: 360-37847-1

SDG No.: 360-37847

Matrix: Solid Level: Low Lab File ID: V55292.D

Lab ID: LCS 360-84699/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
cis-1,3-Dichloropropene	100	114	114	70-130	
Dibromomethane	100	109	109	70-130	
Dichlorobromomethane	100	108	108	70-130	
Dichlorodifluoromethane	100	84.0	84	70-130	
Ethylbenzene	100	102	102	70-130	
Ethylene Dibromide	100	90.5	91	70-130	
Hexachlorobutadiene	100	94.5	95	70-130	
Isopropylbenzene	100	99.0	99	70-130	
m-Xylene & p-Xylene	200	242	121	70-130	
Methyl tert-butyl ether	100	103	103	70-130	
Methylene Chloride	100	100	100	70-130	
n-Butylbenzene	100	111	111	70-130	
N-Propylbenzene	100	128	128	70-130	
Naphthalene	100	103	103	70-130	
o-Xylene	100	101	101	70-130	
sec-Butylbenzene	100	98.5	99	70-130	
Styrene	100	96.5	97	70-130	
tert-Butylbenzene	100	96.5	97	70-130	
Tetrachloroethene	100	104	104	70-130	
Tetrahydrofuran	1000	1140	114	70-130	
Toluene	100	111	111	70-130	
trans-1,2-Dichloroethene	100	107	107	70-130	
trans-1,3-Dichloropropene	100	113	113	70-130	
trans-1,4-Dichloro-2-butene	100	136	136	70-130	*
Trichloroethene	100	108	108	70-130	
Trichlorofluoromethane	100	89.5	90	70-130	
Vinyl chloride	100	91.0	91	70-130	
Xylenes, Total	300	343	114	70-130	

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.: 360-37847-1

SDG No.: 360-37847

Matrix: Solid Level: Low Lab File ID: V55293.D

Lab ID: LCSD 360-84699/2-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	5	25	70-130	
1,1,1-Trichloroethane	100	106	106	5	25	70-130	
1,1,2,2-Tetrachloroethane	100	103	103	1	25	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	100	86.0	86	5	25	70-130	
1,1,2-Trichloroethane	100	110	110	1	25	70-130	
1,1-Dichloroethane	100	113	113	5	25	70-130	
1,1-Dichloroethene	100	113	113	5	25	70-130	
1,1-Dichloropropene	100	115	115	4	25	70-130	
1,2,3-Trichlorobenzene	100	96.0	96	3	25	70-130	
1,2,3-Trichloropropane	100	84.0	84	2	25	70-130	
1,2,4-Trichlorobenzene	100	100	100	0	25	70-130	
1,2,4-Trimethylbenzene	100	111	111	6	25	70-130	
1,2-Dibromo-3-Chloropropane	100	87.5	88	2	25	70-130	
1,2-Dichlorobenzene	100	99.0	99	2	25	70-130	
1,2-Dichloroethane	100	101	101	1	25	70-130	
1,2-Dichloropropane	100	122	122	3	25	70-130	
1,3,5-Trimethylbenzene	100	125	125	8	25	70-130	
1,3-Dichlorobenzene	100	97.0	97	5	25	70-130	
1,3-Dichloropropane	100	95.5	96	1	25	70-130	
1,4-Dichlorobenzene	100	99.0	99	4	25	70-130	
2,2-Dichloropropane	100	104	104	3	25	70-130	
2-Butanone (MEK)	1000	1250	125	0	25	70-130	
2-Chlorotoluene	100	124	124	6	25	70-130	
2-Hexanone	1000	1450	145	1	25	70-130	
4-Chlorotoluene	100	104	104	9	25	70-130	
4-Isopropyltoluene	100	106	106	6	25	70-130	
4-Methyl-2-pentanone (MIBK)	1000	1470	147	3	25	70-130	
Acetone	1000	1290	129	2	25	70-130	
Acrylonitrile	100	108	108	0	25	70-130	
Benzene	100	113	113	4	25	70-130	
Bromobenzene	100	105	105	4	25	70-130	
Bromoform	100	80.0	80	1	25	70-130	
Bromomethane	100	100	100	8	25	70-130	
Carbon disulfide	100	144	144	6	25	70-130	
Carbon tetrachloride	100	101	101	2	25	70-130	
Chlorobenzene	100	103	103	5	25	70-130	
Chlorodibromomethane	100	86.5	87	2	25	70-130	
Chloroethane	100	121	121	10	25	70-130	
Chloroform	100	106	106	4	25	70-130	
Chloromethane	100	109	109	5	25	70-130	
cis-1,2-Dichloroethene	100	111	111	4	25	70-130	

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.: 360-37847-1

SDG No.: 360-37847

Matrix: Solid Level: Low Lab File ID: V55293.D

Lab ID: LCSD 360-84699/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
cis-1,3-Dichloropropene	100	114	114	0	25	70-130	
Dibromomethane	100	108	108	1	25	70-130	
Dichlorobromomethane	100	110	110	1	25	70-130	
Dichlorodifluoromethane	100	90.0	90	7	25	70-130	
Ethylbenzene	100	109	109	6	25	70-130	
Ethylene Dibromide	100	87.0	87	4	25	70-130	
Hexachlorobutadiene	100	98.5	99	4	25	70-130	
Isopropylbenzene	100	105	105	6	25	70-130	
m-Xylene & p-Xylene	200	261	131	8	25	70-130	
Methyl tert-butyl ether	100	103	103	0	25	70-130	
Methylene Chloride	100	105	105	4	25	70-130	
n-Butylbenzene	100	118	118	6	25	70-130	
N-Propylbenzene	100	138	138	8	25	70-130	
Naphthalene	100	97.5	98	5	25	70-130	
o-Xylene	100	108	108	7	25	70-130	
sec-Butylbenzene	100	106	106	7	25	70-130	
Styrene	100	102	102	5	25	70-130	
tert-Butylbenzene	100	103	103	7	25	70-130	
Tetrachloroethene	100	107	107	3	25	70-130	
Tetrahydrofuran	1000	1060	106	7	25	70-130	
Toluene	100	115	115	4	25	70-130	
trans-1,2-Dichloroethene	100	114	114	7	25	70-130	
trans-1,3-Dichloropropene	100	111	111	2	25	70-130	
trans-1,4-Dichloro-2-butene	100	138	138	1	25	70-130	
Trichloroethene	100	112	112	4	25	70-130	
Trichlorofluoromethane	100	95.0	95	6	25	70-130	
Vinyl chloride	100	96.5	97	6	25	70-130	
Xylenes, Total	300	369	123	7	25	70-130	

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.: 360-37847-1

SDG No.: 360-37847

Matrix: Solid Level: Low Lab File ID: V55314.D

Lab ID: 360-37847-2 MS Client ID: BC-SO-SB308-1012 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	96.0	ND	104	108	70-130	
1,1,1-Trichloroethane	96.0	ND	113	118	70-130	
1,1,2,2-Tetrachloroethane	96.0	ND	99.9	104	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	96.0	ND	89.3	93	70-130	
1,1,2-Trichloroethane	96.0	ND	111	116	70-130	
1,1-Dichloroethane	96.0	ND	121	127	70-130	
1,1-Dichloroethene	96.0	ND	115	120	70-130	
1,1-Dichloropropene	96.0	ND	118	123	70-130	
1,2,3-Trichlorobenzene	96.0	ND	85.9	90	70-130	
1,2,3-Trichloropropane	96.0	ND	88.3	92	70-130	
1,2,4-Trichlorobenzene	96.0	ND	88.3	92	70-130	
1,2,4-Trimethylbenzene	96.0	ND	115	120	70-130	
1,2-Dibromo-3-Chloropropane	96.0	ND	77.3	81	70-130	
1,2-Dichlorobenzene	96.0	ND	93.6	98	70-130	
1,2-Dichloroethane	96.0	ND	105	110	70-130	
1,2-Dichloropropane	96.0	ND	126	131	70-130	F
1,3,5-Trimethylbenzene	96.0	ND	128	133	70-130	F
1,3-Dichlorobenzene	96.0	ND	96.5	101	70-130	
1,3-Dichloropropane	96.0	ND	93.6	98	70-130	
1,4-Dichlorobenzene	96.0	ND	91.2	95	70-130	
2,2-Dichloropropane	96.0	ND	104	108	70-130	
2-Butanone (MEK)	960	ND	1290	134	70-130	F
2-Chlorotoluene	96.0	ND	132	138	70-130	F
2-Hexanone	960	ND	1410	147	70-130	F
4-Chlorotoluene	96.0	ND	101	105	70-130	
4-Isopropyltoluene	96.0	ND	107	111	70-130	
4-Methyl-2-pentanone (MIBK)	960	ND	1550	162	70-130	F
Acetone	960	ND	1120	117	70-130	
Acrylonitrile	96.0	ND	109	114	70-130	
Benzene	96.0	ND	120	125	70-130	
Bromobenzene	96.0	ND	109	114	70-130	
Bromoform	96.0	ND	72.0	75	70-130	
Bromomethane	96.0	ND	108	113	70-130	
Carbon disulfide	96.0	ND	150	157	70-130	F
Carbon tetrachloride	96.0	ND	107	112	70-130	
Chlorobenzene	96.0	ND	101	105	70-130	
Chlorodibromomethane	96.0	ND	83.5	87	70-130	
Chloroethane	96.0	ND	136	142	70-130	F
Chloroform	96.0	ND	116	121	70-130	
Chloromethane	96.0	ND	121	126	70-130	
cis-1,2-Dichloroethene	96.0	ND	117	122	70-130	

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.: 360-37847-1

SDG No.: 360-37847

Matrix: Solid Level: Low Lab File ID: V55314.D

Lab ID: 360-37847-2 MS Client ID: BC-SO-SB308-1012 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
cis-1,3-Dichloropropene	96.0	ND	107	112	70-130	
Dibromomethane	96.0	ND	109	114	70-130	
Dichlorobromomethane	96.0	ND	112	117	70-130	
Dichlorodifluoromethane	96.0	ND	94.1	98	70-130	
Ethylbenzene	96.0	ND	110	115	70-130	
Ethylene Dibromide	96.0	ND	82.1	86	70-130	
Hexachlorobutadiene	96.0	ND	82.6	86	70-130	
Isopropylbenzene	96.0	ND	107	111	70-130	
m-Xylene & p-Xylene	192	ND	266	139	70-130	F
Methyl tert-butyl ether	96.0	ND	109	114	70-130	
Methylene Chloride	96.0	ND	119	124	70-130	
n-Butylbenzene	96.0	ND	108	112	70-130	
N-Propylbenzene	96.0	ND	143	149	70-130	F
Naphthalene	96.0	ND	89.3	93	70-130	
o-Xylene	96.0	ND	112	117	70-130	
sec-Butylbenzene	96.0	ND	105	110	70-130	
Styrene	96.0	ND	98.9	103	70-130	
tert-Butylbenzene	96.0	ND	105	110	70-130	
Tetrachloroethene	96.0	ND	102	107	70-130	
Tetrahydrofuran	960	ND	1070	111	70-130	
Toluene	96.0	ND	114	119	70-130	
trans-1,2-Dichloroethene	96.0	ND	121	126	70-130	
trans-1,3-Dichloropropene	96.0	ND	104	108	70-130	
trans-1,4-Dichloro-2-butene	96.0	ND	128	133	70-130	F
Trichloroethene	96.0	4.9	116	116	70-130	
Trichlorofluoromethane	96.0	ND	101	106	70-130	
Vinyl chloride	96.0	ND	104	108	70-130	
Xylenes, Total	288	ND	378	131	70-130	F

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.: 360-37847-1

SDG No.: 360-37847

Matrix: Solid Level: Low Lab File ID: V55315.D

Lab ID: 360-37847-2 MSD Client ID: BC-SO-SB308-1012 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	102	110	108	3	30	70-130	
1,1,1-Trichloroethane	102	122	119	5	30	70-130	
1,1,2,2-Tetrachloroethane	102	108	106	5	30	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	102	99.5	97	8	30	70-130	
1,1,2-Trichloroethane	102	120	117	5	30	70-130	
1,1-Dichloroethane	102	130	127	4	30	70-130	
1,1-Dichloroethene	102	129	126	9	30	70-130	
1,1-Dichloropropene	102	126	124	4	30	70-130	
1,2,3-Trichlorobenzene	102	99.5	97	12	30	70-130	
1,2,3-Trichloropropane	102	97.4	95	7	30	70-130	
1,2,4-Trichlorobenzene	102	98.9	97	9	30	70-130	
1,2,4-Trimethylbenzene	102	122	120	3	30	70-130	
1,2-Dibromo-3-Chloropropane	102	90.3	88	13	30	70-130	
1,2-Dichlorobenzene	102	102	100	6	30	70-130	
1,2-Dichloroethane	102	113	110	4	30	70-130	
1,2-Dichloropropane	102	133	130	3	30	70-130	
1,3,5-Trimethylbenzene	102	136	133	3	30	70-130	F
1,3-Dichlorobenzene	102	103	101	4	30	70-130	
1,3-Dichloropropane	102	98.9	97	3	30	70-130	
1,4-Dichlorobenzene	102	97.9	96	4	30	70-130	
2,2-Dichloropropane	102	112	109	5	30	70-130	
2-Butanone (MEK)	1020	1330	131	1	30	70-130	F
2-Chlorotoluene	102	142	139	5	30	70-130	F
2-Hexanone	1020	1510	148	4	30	70-130	F
4-Chlorotoluene	102	109	107	5	30	70-130	
4-Isopropyltoluene	102	113	111	3	30	70-130	
4-Methyl-2-pentanone (MIBK)	1020	1690	166	6	30	70-130	F
Acetone	1020	1340	131	15	30	70-130	F
Acrylonitrile	102	120	117	6	30	70-130	
Benzene	102	127	124	3	30	70-130	
Bromobenzene	102	117	114	4	30	70-130	
Bromoform	102	77.5	76	5	30	70-130	
Bromomethane	102	115	113	3	30	70-130	
Carbon disulfide	102	163	160	6	30	70-130	F
Carbon tetrachloride	102	114	111	3	30	70-130	
Chlorobenzene	102	107	104	3	30	70-130	
Chlorodibromomethane	102	89.8	88	4	30	70-130	
Chloroethane	102	149	146	6	30	70-130	F
Chloroform	102	123	120	3	30	70-130	
Chloromethane	102	128	125	3	30	70-130	
cis-1,2-Dichloroethene	102	127	124	5	30	70-130	

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.: 360-37847-1

SDG No.: 360-37847

Matrix: Solid Level: Low Lab File ID: V55315.D

Lab ID: 360-37847-2 MSD Client ID: BC-SO-SB308-1012 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
cis-1,3-Dichloropropene	102	116	113	5	30	70-130	
Dibromomethane	102	117	115	5	30	70-130	
Dichlorobromomethane	102	120	117	4	30	70-130	
Dichlorodifluoromethane	102	102	100	5	30	70-130	
Ethylbenzene	102	116	114	2	30	70-130	
Ethylene Dibromide	102	88.7	87	5	30	70-130	
Hexachlorobutadiene	102	88.7	87	4	30	70-130	
Isopropylbenzene	102	113	111	3	30	70-130	
m-Xylene & p-Xylene	204	283	138	3	30	70-130	F
Methyl tert-butyl ether	102	122	119	8	30	70-130	
Methylene Chloride	102	126	124	3	30	70-130	
n-Butylbenzene	102	115	113	4	30	70-130	
N-Propylbenzene	102	152	149	4	30	70-130	F
Naphthalene	102	103	101	12	30	70-130	
o-Xylene	102	118	116	2	30	70-130	
sec-Butylbenzene	102	112	110	4	30	70-130	
Styrene	102	105	103	3	30	70-130	
tert-Butylbenzene	102	113	111	5	30	70-130	
Tetrachloroethene	102	109	107	4	30	70-130	
Tetrahydrofuran	1020	1220	120	11	30	70-130	
Toluene	102	121	119	3	30	70-130	
trans-1,2-Dichloroethene	102	128	125	3	30	70-130	
trans-1,3-Dichloropropene	102	110	108	3	30	70-130	
trans-1,4-Dichloro-2-butene	102	148	145	12	30	70-130	F
Trichloroethene	102	126	119	5	30	70-130	
Trichlorofluoromethane	102	113	110	8	30	70-130	
Vinyl chloride	102	113	110	6	30	70-130	
Xylenes, Total	306	401	131	3	30	70-130	F

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.: 360-37847-1

SDG No.: 360-37847

Lab File ID: V55295.D Lab Sample ID: MB 360-84699/3-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: HP #1 GC/MS Date Analyzed: 12/12/2011 18:12

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 360-84699/1-A	V55292.D	12/12/2011 16:56
	LCSD 360-84699/2-A	V55293.D	12/12/2011 17:21
BC-SO-SB304-0406	360-37847-1	V55296.D	12/12/2011 18:37
BC-SO-SB308-1012	360-37847-2	V55297.D	12/12/2011 19:02
BC-SO-SB305-1012	360-37847-3	V55298.D	12/12/2011 19:28
BC-SO-SB306-1012	360-37847-4	V55299.D	12/12/2011 19:53
BC-SO-SB305-0203	360-37847-5	V55300.D	12/12/2011 20:19
BC-SO-SB307-0810	360-37847-6	V55301.D	12/12/2011 20:44
BC-TB-112911	360-37847-7	V55302.D	12/12/2011 21:09
BC-SO-SB200A-0406	360-37847-8	V55303.D	12/12/2011 21:35
BC-SO-SB308-1012 MS	360-37847-2 MS	V55314.D	12/13/2011 02:15
BC-SO-SB308-1012 MSD	360-37847-2 MSD	V55315.D	12/13/2011 02:40

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab File ID: V55146.D BFB Injection Date: 11/28/2011

Instrument ID: HP #1 GC/MS BFB Injection Time: 16:39

Analysis Batch No.: 83953

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.4	
75	30.0 - 60.0 % of mass 95	44.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	67.2	
175	5.0 - 9.0 % of mass 174	5.3	(7.9)1
176	95.0 - 101.0 % of mass 174	64.9	(96.5)1
177	5.0 - 9.0 % of mass 176	4.4	(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
	STD05 360-83953/2	V55147.D	11/28/2011	17:05
	STD1 360-83953/3	V55148.D	11/28/2011	17:30
	STD5 360-83953/4	V55149.D	11/28/2011	17:56
	STD10 360-83953/5	V55150.D	11/28/2011	18:21
	STD20 360-83953/6	V55151.D	11/28/2011	18:47
	STD40 360-83953/7	V55152.D	11/28/2011	19:12
	STD160 360-83953/8	V55153.D	11/28/2011	19:38

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab File ID: V55290.D BFB Injection Date: 12/12/2011

Instrument ID: HP #1 GC/MS BFB Injection Time: 16:04

Analysis Batch No.: 84698

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.7	
75	30.0 - 60.0 % of mass 95	42.0	
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	66.1	
175	5.0 - 9.0 % of mass 174	5.0	(7.6)1
176	95.0 - 101.0 % of mass 174	63.7	(96.3)1
177	5.0 - 9.0 % of mass 176	4.2	(6.6)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 360-84698/2	V55291.D	12/12/2011	16:30
	LCS 360-84699/1-A	V55292.D	12/12/2011	16:56
	LCSD 360-84699/2-A	V55293.D	12/12/2011	17:21
	MB 360-84699/3-A	V55295.D	12/12/2011	18:12
BC-SO-SB304-0406	360-37847-1	V55296.D	12/12/2011	18:37
BC-SO-SB308-1012	360-37847-2	V55297.D	12/12/2011	19:02
BC-SO-SB305-1012	360-37847-3	V55298.D	12/12/2011	19:28
BC-SO-SB306-1012	360-37847-4	V55299.D	12/12/2011	19:53
BC-SO-SB305-0203	360-37847-5	V55300.D	12/12/2011	20:19
BC-SO-SB307-0810	360-37847-6	V55301.D	12/12/2011	20:44
BC-TB-112911	360-37847-7	V55302.D	12/12/2011	21:09
BC-SO-SB200A-0406	360-37847-8	V55303.D	12/12/2011	21:35
BC-SO-SB308-1012 MS	360-37847-2 MS	V55314.D	12/13/2011	02:15
BC-SO-SB308-1012 MSD	360-37847-2 MSD	V55315.D	12/13/2011	02:40

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

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Sample No.: CCVIS 360-84698/2 Date Analyzed: 12/12/2011 16:30

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V55291.D Heated Purge: (Y/N) Y

Calibration ID: 16512

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		35935	5.46	723023	5.67	496295	8.10
UPPER LIMIT		71870	5.96	1446046	6.17	992590	8.60
LOWER LIMIT		17968	4.96	361512	5.17	248148	7.60
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-84699/1-A		30227	5.46	689992	5.68	498703	8.09
LCSD 360-84699/2-A		25487	5.45	622009	5.67	440522	8.10
MB 360-84699/3-A		24697	5.45	590308	5.67	393767	8.10
360-37847-1	BC-SO-SB304-0406	24497	5.45	600492	5.67	399737	8.10
360-37847-2	BC-SO-SB308-1012	23084	5.45	558355	5.67	372752	8.10
360-37847-3	BC-SO-SB305-1012	22671	5.45	563641	5.67	376205	8.10
360-37847-4	BC-SO-SB306-1012	22387	5.45	546537	5.67	365941	8.10
360-37847-5	BC-SO-SB305-0203	21336	5.45	529566	5.67	341244	8.10
360-37847-6	BC-SO-SB307-0810	21136	5.45	539536	5.67	357728	8.10
360-37847-7	BC-TB-112911	21841	5.45	544770	5.67	368750	8.10
360-37847-8	BC-SO-SB200A-0406	21466	5.45	528834	5.67	352826	8.09
360-37847-2 MS	BC-SO-SB308-1012 MS	19040	5.45	482264	5.67	339780	8.10
360-37847-2 MSD	BC-SO-SB308-1012 MSD	20822	5.44	504301	5.67	355434	8.10

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.: 360-37847-1

SDG No.: 360-37847

Sample No.: CCVIS 360-84698/2 Date Analyzed: 12/12/2011 16:30

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V55291.D Heated Purge: (Y/N) Y

Calibration ID: 16512

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		147347	9.91				
UPPER LIMIT		294694	10.41				
LOWER LIMIT		73674	9.41				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-84699/1-A		146901	9.91				
LCSD 360-84699/2-A		129503	9.92				
MB 360-84699/3-A		126298	9.92				
360-37847-1	BC-SO-SB304-0406	126552	9.92				
360-37847-2	BC-SO-SB308-1012	119608	9.92				
360-37847-3	BC-SO-SB305-1012	120270	9.91				
360-37847-4	BC-SO-SB306-1012	118163	9.92				
360-37847-5	BC-SO-SB305-0203	103296	9.92				
360-37847-6	BC-SO-SB307-0810	107936	9.92				
360-37847-7	BC-TB-112911	117051	9.92				
360-37847-8	BC-SO-SB200A-0406	113368	9.91				
360-37847-2 MS	BC-SO-SB308-1012 MS	108461	9.92				
360-37847-2 MSD	BC-SO-SB308-1012 MSD	112065	9.92				

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.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB304-0406 | Lab Sample ID: 360-37847-1

Matrix: Solid | Lab File ID: V55296.D

Analysis Method: 8260B | Date Collected: 11/29/2011 13:20

Sample wt/vol: 7.43(g) | Date Analyzed: 12/12/2011 18:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 17.1 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.0	0.97
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	1.2
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.81
75-34-3	1,1-Dichloroethane	ND		2.0	1.5
75-35-4	1,1-Dichloroethene	ND		2.0	1.3
563-58-6	1,1-Dichloropropene	ND		2.0	1.2
87-61-6	1,2,3-Trichlorobenzene	ND		2.0	0.89
96-18-4	1,2,3-Trichloropropane	ND		2.0	0.97
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.81
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	2.3
95-50-1	1,2-Dichlorobenzene	ND		2.0	0.81
107-06-2	1,2-Dichloroethane	ND		2.0	0.81
78-87-5	1,2-Dichloropropane	ND		2.0	1.3
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	1.2
541-73-1	1,3-Dichlorobenzene	ND		2.0	0.81
142-28-9	1,3-Dichloropropane	ND		2.0	0.93
106-46-7	1,4-Dichlorobenzene	ND		2.0	0.81
594-20-7	2,2-Dichloropropane	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	8.8
95-49-8	2-Chlorotoluene	ND		2.0	1.1
591-78-6	2-Hexanone	ND	*	20	11
106-43-4	4-Chlorotoluene	ND		2.0	0.97
99-87-6	4-Isopropyltoluene	ND		2.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	20	8.3
67-64-1	Acetone	ND		200	81
107-13-1	Acrylonitrile	ND		20	1.9
71-43-2	Benzene	ND		2.0	1.3
108-86-1	Bromobenzene	ND		2.0	0.81
75-25-2	Bromoform	ND		2.0	1.3
74-83-9	Bromomethane	ND		4.1	1.9
75-15-0	Carbon disulfide	ND	*	2.0	1.5
56-23-5	Carbon tetrachloride	ND		2.0	1.4
108-90-7	Chlorobenzene	ND		2.0	0.97

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB304-0406 | Lab Sample ID: 360-37847-1

Matrix: Solid | Lab File ID: V55296.D

Analysis Method: 8260B | Date Collected: 11/29/2011 13:20

Sample wt/vol: 7.43(g) | Date Analyzed: 12/12/2011 18:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 17.1 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.0	0.97
75-00-3	Chloroethane	ND		4.1	1.6
67-66-3	Chloroform	ND		2.0	1.2
74-87-3	Chloromethane	ND		4.1	1.3
156-59-2	cis-1,2-Dichloroethene	ND		2.0	0.96
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.81
74-95-3	Dibromomethane	ND		2.0	1.0
75-27-4	Dichlorobromomethane	ND		2.0	1.0
75-71-8	Dichlorodifluoromethane	ND		4.1	1.7
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	Ethylene Dibromide	ND		2.0	0.91
87-68-3	Hexachlorobutadiene	ND		2.0	1.2
98-82-8	Isopropylbenzene	ND		2.0	1.2
179601-23-1	m-Xylene & p-Xylene	ND		4.1	2.8
1634-04-4	Methyl tert-butyl ether	ND		2.0	1.2
75-09-2	Methylene Chloride	ND		8.1	8.0
104-51-8	n-Butylbenzene	ND		2.0	0.97
103-65-1	N-Propylbenzene	ND		2.0	1.4
91-20-3	Naphthalene	ND		20	1.9
95-47-6	o-Xylene	ND		2.0	1.1
135-98-8	sec-Butylbenzene	ND		2.0	1.1
100-42-5	Styrene	ND		2.0	0.81
98-06-6	tert-Butylbenzene	ND		2.0	1.1
127-18-4	Tetrachloroethene	ND		2.0	1.5
109-99-9	Tetrahydrofuran	ND		41	10
108-88-3	Toluene	ND		2.0	1.5
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.3
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.84
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	4.1	1.7
79-01-6	Trichloroethene	ND		2.0	1.7
75-69-4	Trichlorofluoromethane	ND		4.1	1.2
75-01-4	Vinyl chloride	ND		2.0	1.4
1330-20-7	Xylenes, Total	ND		4.1	2.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB304-0406 Lab Sample ID: 360-37847-1

Matrix: Solid Lab File ID: V55296.D

Analysis Method: 8260B Date Collected: 11/29/2011 13:20

Sample wt/vol: 7.43(g) Date Analyzed: 12/12/2011 18:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 17.1 Level: (low/med) Low

Analysis Batch No.: 84698 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		70-130
1868-53-7	Dibromofluoromethane	95		70-130
2037-26-5	Toluene-d8 (Surr)	94		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55296.D		
Lims ID:	360-37847-D-1-A	Client ID:	BC-SO-SB304-0406
Inject. Date:	12-Dec-2011 18:37:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-D-1		
Misc. Info.:	8260LL =8260LL		
Operator:	BW	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	84698	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m		
Last Update:	13-Dec-2011 12:07:14	Calib Date:	28-Nov-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		
First Level Reviewer: weigelb		Date:	13-Dec-2011 12:08:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.731					
2 Chloromethane	50		1.857					
3 Vinyl chloride	62		1.958					
4 Bromomethane	94		2.278					
5 Chloroethane	64		2.379					
6 Trichlorofluoromethane	101		2.481					
7 Dichlorofluoromethane	67	2.520	2.582	-0.062	1	60	0	
8 Ethyl ether	59		2.767					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.961					
9 1,1-Dichloroethene	96		2.961					
11 Ethanol	45		2.978					
10 Carbon disulfide	76		2.995					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.045					
14 Acrolein	56		3.273					
15 Isopropyl alcohol	45	3.430	3.450	-0.020	84	9829	0	
16 Methylene Chloride	84	3.489	3.492	-0.003	89	14523	0.7832	
17 Acetone	43		3.534					
18 trans-1,2-Dichloroethene	61		3.635					
19 Methyl acetate	43		3.635					
20 Hexane	57		3.702					
21 Methyl tert-butyl ether	73		3.728					
22 2-Methyl-2-propanol	59	3.818	3.804	0.014	1	529	0	
23 Isopropyl ether	45		4.048					
24 1,1-Dichloroethane	63		4.166					
125 Halothane	117		4.208					
25 Acrylonitrile	53		4.216					
26 Tert-butyl ethyl ether	59		4.360					
27 Vinyl acetate	43	4.382	4.377	0.005	59	576	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.629					
29 2,2-Dichloropropane	77		4.722					
31 Chlorobromomethane	130		4.798					
30 Cyclohexane	56		4.806					
32 Chloroform	83		4.848					
34 Ethyl acetate	43	4.947	4.941	0.006	93	4673	0	
33 Carbon tetrachloride	117		4.975					
36 sec-Butyl Alcohol	45	4.938	4.975	-0.037	1	1533	0	
35 Tetrahydrofuran	42		4.992					
$ 37 Dibromofluoromethane	113	5.006	5.009	-0.003	68	136693	18.9	
38 1,1,1-Trichloroethane	97		5.034					
39 2-Butanone (MEK)	43		5.110					
40 1,1-Dichloropropene	75		5.135					
41 n-Heptane	43		5.295					
42 Benzene	78		5.346					
43 Tert-amyl methyl ether	73		5.421					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.452	5.455	-0.003	0	24497	20.0	
45 1,2-Dichloroethane	62		5.506					
* 46 Fluorobenzene	96	5.672	5.674	-0.002	98	600492	20.0	
48 Isopropyl acetate	43		5.683					
47 2,4,4-Trimethyl-1-pentene	55	5.663	5.700	-0.037	29	1034	0	
50 Trichloroethene	95	5.798	5.809	-0.011	67	2932	0.3045	
49 Methylcyclohexane	83		5.809					
51 2,4,4-Trimethyl-2-pentene	112		5.826					
52 Dibromomethane	93		6.146					
53 1,2-Dichloropropane	63		6.222					
54 Dichlorobromomethane	83		6.264					
55 Methyl methacrylate	69		6.374					
56 1,4-Dioxane	88		6.433					
57 n-Propyl acetate	43	6.481	6.483	-0.003	94	3455	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.753					
$ 60 Toluene-d8 (Surr)	98	6.902	6.905	-0.003	84	544584	18.7	
61 Toluene	92		6.938					
63 4-Methyl-2-pentanone (MIBK)	43	7.222	7.225	-0.003	84	900	0.3137	
62 Tetrachloroethene	166		7.242					
64 trans-1,3-Dichloropropene	75		7.259					
65 Isobutyl acetate	43	7.306	7.309	-0.003	88	2299	0	
66 1,1,2-Trichloroethane	83		7.385					
67 Chlorodibromomethane	129		7.520					
68 1,3-Dichloropropane	76		7.596					
69 Ethylene Dibromide	107		7.714					
70 n-Butyl acetate	43	7.778	7.773	0.005	85	4131	0	
71 2-Hexanone	43	7.863	7.857	0.005	92	2435	1.29	
* 72 Chlorobenzene-d5	117	8.098	8.101	-0.003	86	399737	20.0	
73 Chlorobenzene	112		8.110					
74 Ethylbenzene	91		8.126					
75 1,1,1,2-Tetrachloroethane	131		8.160					
76 m-Xylene & p-Xylene	91		8.236					
77 o-Xylene	91		8.565					
78 Styrene	104		8.607					
79 Bromoform	173		8.641					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.809					
$ 82 4-Bromofluorobenzene	95	9.034	9.037	-0.003	81	222928	20.2	
83 Bromobenzene	77		9.121					
84 N-Propylbenzene	91		9.129					
85 1,1,2,2-Tetrachloroethane	83		9.180					
86 2-Chlorotoluene	91		9.264					
87 1,3,5-Trimethylbenzene	105		9.281					
88 1,2,3-Trichloropropane	110		9.298					
89 trans-1,4-Dichloro-2-butene	53		9.323					
90 4-Chlorotoluene	91		9.391					
91 tert-Butylbenzene	119		9.534					
92 1,2,4-Trimethylbenzene	105		9.584					
93 sec-Butylbenzene	105		9.669					
94 4-Isopropyltoluene	119		9.778					
95 1,3-Dichlorobenzene	146		9.854					
* 96 1,4-Dichlorobenzene-d4	115	9.919	9.913	0.006	96	126552	20.0	
97 1,4-Dichlorobenzene	146		9.930					
98 n-Butylbenzene	91		10.132					
99 1,2-Dichlorobenzene	146		10.301					
100 1,2-Dibromo-3-Chloropropane	157		11.101					
101 1,3,5-Trichlorobenzene	180	11.141	11.135	0.006	24	351	0	
102 Hexachlorobutadiene	225		11.893					
103 1,2,4-Trichlorobenzene	180		11.935					
104 Naphthalene	128		12.424					
105 1,2,3-Trichlorobenzene	180		12.719					

Report Date: 13-Dec-2011 12:08:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55296.D
Injection Date: 12-Dec-2011 18:37:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB304-0406 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 7
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 | Lab Sample ID: 360-37847-2

Matrix: Solid | Lab File ID: V55297.D

Analysis Method: 8260B | Date Collected: 11/29/2011 11:20

Sample wt/vol: 5.96(g) | Date Analyzed: 12/12/2011 19:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 15.0 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.2
71-55-6	1,1,1-Trichloroethane	ND		2.5	2.0
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	1.4
79-00-5	1,1,2-Trichloroethane	ND		2.5	0.99
75-34-3	1,1-Dichloroethane	ND		2.5	1.9
75-35-4	1,1-Dichloroethene	ND		2.5	1.6
563-58-6	1,1-Dichloropropene	ND		2.5	1.5
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	0.99
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	2.8
95-50-1	1,2-Dichlorobenzene	ND		2.5	0.99
107-06-2	1,2-Dichloroethane	ND		2.5	0.99
78-87-5	1,2-Dichloropropane	ND		2.5	1.6
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.5
541-73-1	1,3-Dichlorobenzene	ND		2.5	0.99
142-28-9	1,3-Dichloropropane	ND		2.5	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.5	0.99
594-20-7	2,2-Dichloropropane	ND		2.5	2.1
78-93-3	2-Butanone (MEK)	ND		25	11
95-49-8	2-Chlorotoluene	ND		2.5	1.3
591-78-6	2-Hexanone	ND	*	25	14
106-43-4	4-Chlorotoluene	ND		2.5	1.2
99-87-6	4-Isopropyltoluene	ND		2.5	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	25	10
67-64-1	Acetone	ND		250	99
107-13-1	Acrylonitrile	ND		25	2.4
71-43-2	Benzene	ND		2.5	1.6
108-86-1	Bromobenzene	ND		2.5	0.99
75-25-2	Bromoform	ND		2.5	1.6
74-83-9	Bromomethane	ND		4.9	2.3
75-15-0	Carbon disulfide	ND	*	2.5	1.9
56-23-5	Carbon tetrachloride	ND		2.5	1.7
108-90-7	Chlorobenzene	ND		2.5	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 | Lab Sample ID: 360-37847-2

Matrix: Solid | Lab File ID: V55297.D

Analysis Method: 8260B | Date Collected: 11/29/2011 11:20

Sample wt/vol: 5.96(g) | Date Analyzed: 12/12/2011 19:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 15.0 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.5	1.2
75-00-3	Chloroethane	ND		4.9	2.0
67-66-3	Chloroform	ND		2.5	1.5
74-87-3	Chloromethane	ND		4.9	1.6
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.2
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	0.99
74-95-3	Dibromomethane	ND		2.5	1.2
75-27-4	Dichlorobromomethane	ND		2.5	1.3
75-71-8	Dichlorodifluoromethane	ND		4.9	2.1
100-41-4	Ethylbenzene	ND		2.5	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.1
87-68-3	Hexachlorobutadiene	ND		2.5	1.5
98-82-8	Isopropylbenzene	ND		2.5	1.5
179601-23-1	m-Xylene & p-Xylene	ND		4.9	3.5
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.5
75-09-2	Methylene Chloride	ND		9.9	9.7
104-51-8	n-Butylbenzene	ND		2.5	1.2
103-65-1	N-Propylbenzene	ND		2.5	1.7
91-20-3	Naphthalene	ND		25	2.3
95-47-6	o-Xylene	ND		2.5	1.3
135-98-8	sec-Butylbenzene	ND		2.5	1.4
100-42-5	Styrene	ND		2.5	0.99
98-06-6	tert-Butylbenzene	ND		2.5	1.4
127-18-4	Tetrachloroethene	ND		2.5	1.8
109-99-9	Tetrahydrofuran	ND		49	12
108-88-3	Toluene	ND		2.5	1.8
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.6
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	4.9	2.1
79-01-6	Trichloroethene	4.9		2.5	2.1
75-69-4	Trichlorofluoromethane	ND		4.9	1.4
75-01-4	Vinyl chloride	ND		2.5	1.7
1330-20-7	Xylenes, Total	ND		4.9	3.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 Lab Sample ID: 360-37847-2

Matrix: Solid Lab File ID: V55297.D

Analysis Method: 8260B Date Collected: 11/29/2011 11:20

Sample wt/vol: 5.96(g) Date Analyzed: 12/12/2011 19:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 15.0 Level: (low/med) Low

Analysis Batch No.: 84698 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	104		70-130
1868-53-7	Dibromofluoromethane	95		70-130
2037-26-5	Toluene-d8 (Surr)	93		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

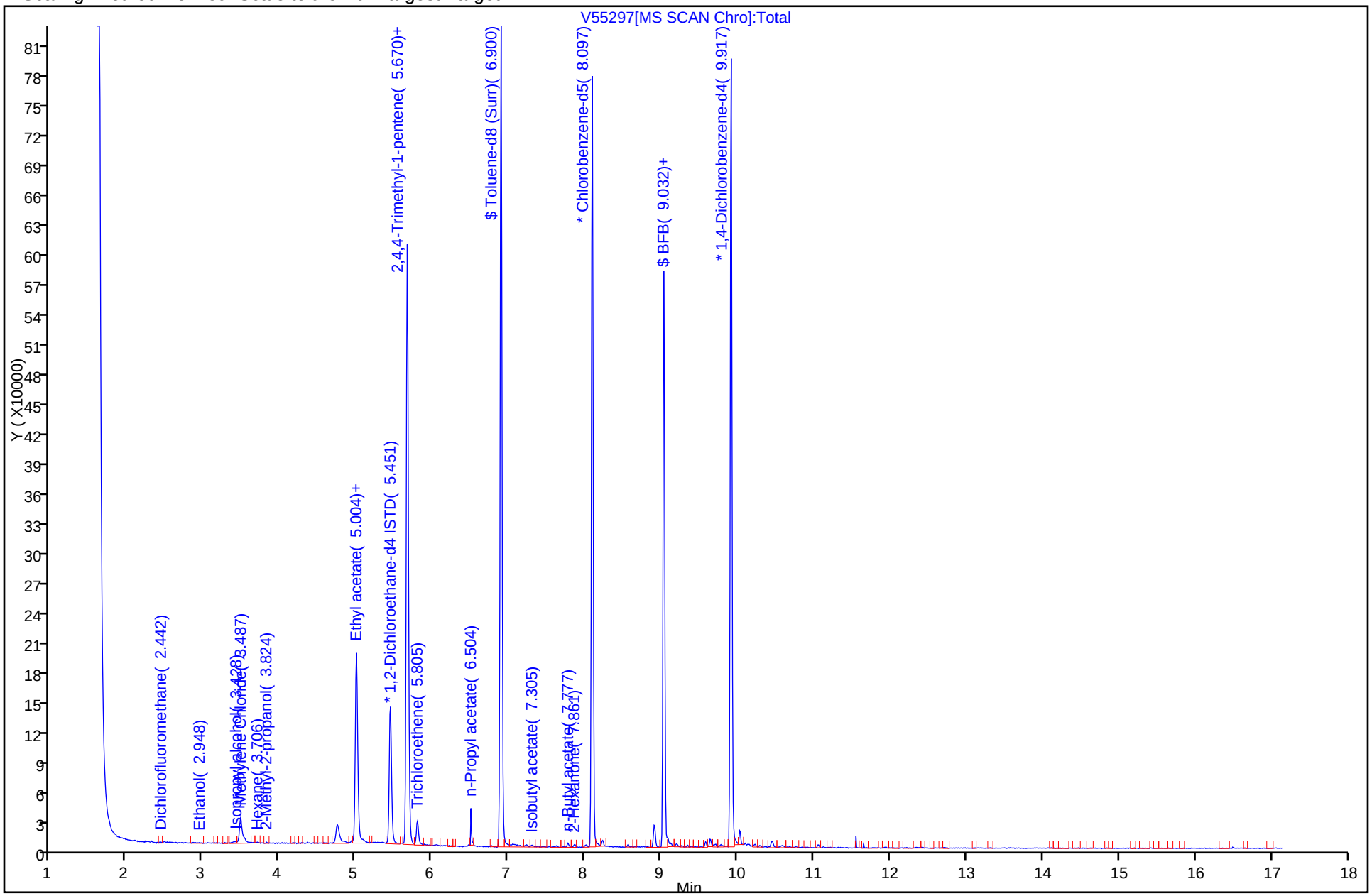
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55297.D		
Lims ID:	360-37847-D-2-A	Client ID:	BC-SO-SB308-1012
Inject. Date:	12-Dec-2011 19:02:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-D-2		
Misc. Info.:	8260LL =8260LL		
Operator:	BW	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	84698	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m		
Last Update:	13-Dec-2011 12:07:14	Calib Date:	28-Nov-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		
First Level Reviewer: weigelb		Date:	13-Dec-2011 12:09:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.731					
2 Chloromethane	50		1.857					
3 Vinyl chloride	62		1.958					
4 Bromomethane	94		2.278					
5 Chloroethane	64		2.379					
6 Trichlorofluoromethane	101		2.481					
7 Dichlorofluoromethane	67	2.594	2.582	0.012	1	97	0	
8 Ethyl ether	59		2.767					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.961					
9 1,1-Dichloroethene	96		2.961					
11 Ethanol	45	2.948	2.978	-0.030	41	512	0	
10 Carbon disulfide	76		2.995					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.045					
14 Acrolein	56		3.273					
15 Isopropyl alcohol	45	3.454	3.450	0.004	86	8718	0	
16 Methylene Chloride	84	3.487	3.492	-0.005	96	13305	0.7612	
17 Acetone	43		3.534					
18 trans-1,2-Dichloroethene	61		3.635					
19 Methyl acetate	43		3.635					
20 Hexane	57	3.706	3.702	0.004	40	681	0	
21 Methyl tert-butyl ether	73		3.728					
22 2-Methyl-2-propanol	59	3.833	3.804	0.029	10	422	0	
23 Isopropyl ether	45		4.048					
24 1,1-Dichloroethane	63		4.166					
125 Halothane	117		4.208					
25 Acrylonitrile	53		4.216					
26 Tert-butyl ethyl ether	59		4.360					
27 Vinyl acetate	43		4.377					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.629					
29 2,2-Dichloropropane	77		4.722					
31 Chlorobromomethane	130		4.798					
30 Cyclohexane	56		4.806					
32 Chloroform	83		4.848					
34 Ethyl acetate	43	4.945	4.941	0.004	95	3186	0	
33 Carbon tetrachloride	117		4.975					
36 sec-Butyl Alcohol	45	4.945	4.975	-0.030	15	1046	0	
35 Tetrahydrofuran	42		4.992					
$ 37 Dibromofluoromethane	113	5.004	5.009	-0.005	70	128232	19.1	
38 1,1,1-Trichloroethane	97		5.034					
39 2-Butanone (MEK)	43		5.110					
40 1,1-Dichloropropene	75		5.135					
41 n-Heptane	43		5.295					
42 Benzene	78		5.346					
43 Tert-amyl methyl ether	73		5.421					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.451	5.455	-0.004	0	23084	20.0	
45 1,2-Dichloroethane	62		5.506					
* 46 Fluorobenzene	96	5.670	5.674	-0.004	98	558355	20.0	
48 Isopropyl acetate	43		5.683					
47 2,4,4-Trimethyl-1-pentene	55	5.662	5.700	-0.038	27	1002	0	
50 Trichloroethene	95	5.805	5.809	-0.004	87	8910	1.00	
49 Methylcyclohexane	83		5.809					
51 2,4,4-Trimethyl-2-pentene	112		5.826					
52 Dibromomethane	93		6.146					
53 1,2-Dichloropropane	63		6.222					
54 Dichlorobromomethane	83		6.264					
55 Methyl methacrylate	69		6.374					
56 1,4-Dioxane	88		6.433					
57 n-Propyl acetate	43	6.479	6.483	-0.004	90	2672	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.753					
$ 60 Toluene-d8 (Surr)	98	6.900	6.905	-0.005	84	508748	18.7	
61 Toluene	92		6.938					
63 4-Methyl-2-pentanone (MIBK)	43		7.225					
62 Tetrachloroethene	166		7.242					
64 trans-1,3-Dichloropropene	75		7.259					
65 Isobutyl acetate	43	7.305	7.309	-0.004	69	1486	0	
66 1,1,2-Trichloroethane	83		7.385					
67 Chlorodibromomethane	129		7.520					
68 1,3-Dichloropropane	76		7.596					
69 Ethylene Dibromide	107		7.714					
70 n-Butyl acetate	43	7.777	7.773	0.004	83	2854	0	
71 2-Hexanone	43	7.861	7.857	0.004	92	1522	0.8549	
* 72 Chlorobenzene-d5	117	8.097	8.101	-0.004	89	372752	20.0	
73 Chlorobenzene	112		8.110					
74 Ethylbenzene	91		8.126					
75 1,1,1,2-Tetrachloroethane	131		8.160					
76 m-Xylene & p-Xylene	91		8.236					
77 o-Xylene	91		8.565					
78 Styrene	104		8.607					
79 Bromoform	173		8.641					

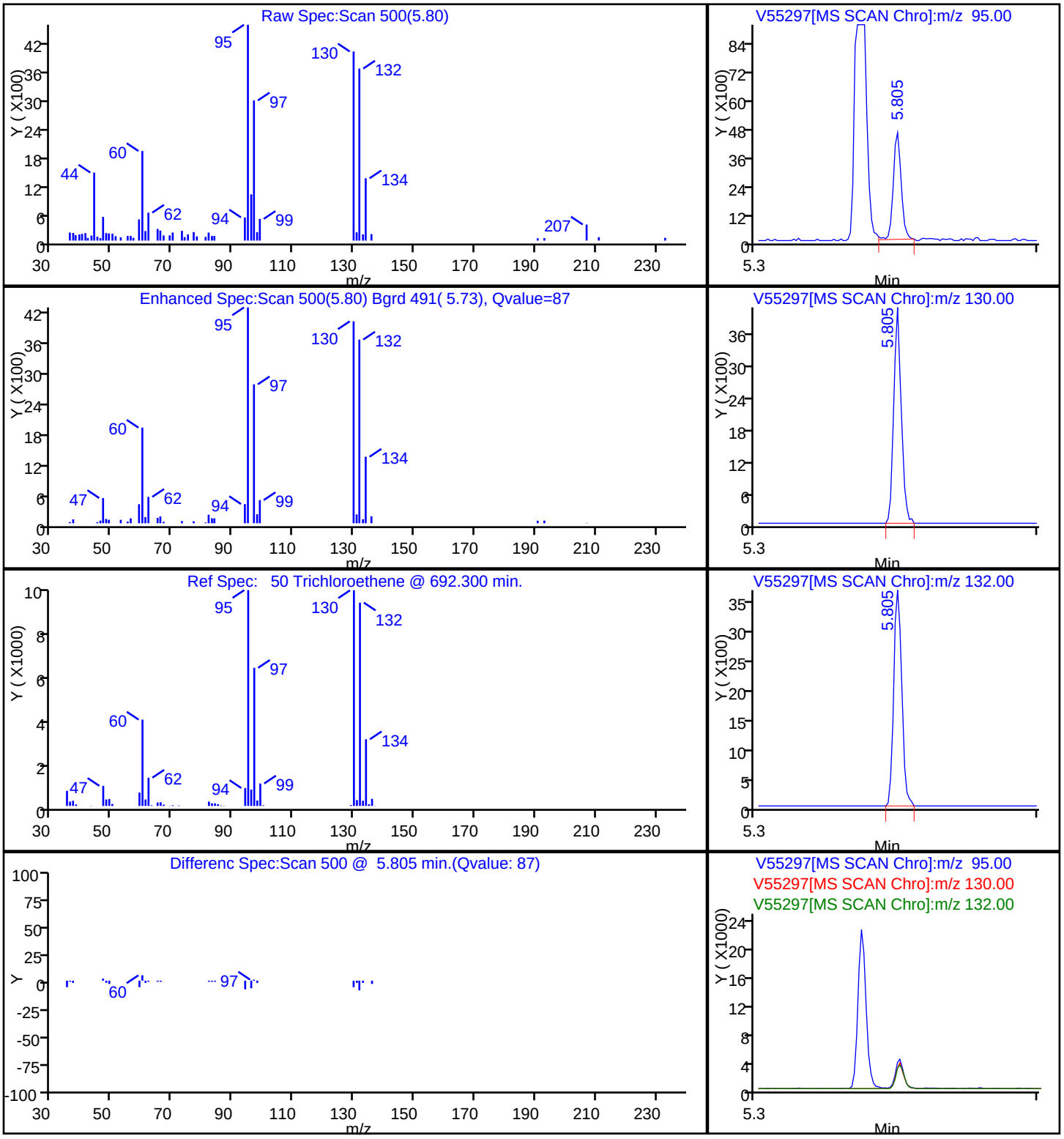
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.809					
$ 82 4-Bromofluorobenzene	95	9.032	9.037	-0.005	79	214497	20.9	
83 Bromobenzene	77		9.121					
84 N-Propylbenzene	91		9.129					
85 1,1,2,2-Tetrachloroethane	83		9.180					
86 2-Chlorotoluene	91		9.264					
87 1,3,5-Trimethylbenzene	105		9.281					
88 1,2,3-Trichloropropane	110		9.298					
89 trans-1,4-Dichloro-2-butene	53		9.323					
90 4-Chlorotoluene	91		9.391					
91 tert-Butylbenzene	119		9.534					
92 1,2,4-Trimethylbenzene	105		9.584					
93 sec-Butylbenzene	105		9.669					
94 4-Isopropyltoluene	119		9.778					
95 1,3-Dichlorobenzene	146		9.854					
* 96 1,4-Dichlorobenzene-d4	115	9.917	9.913	0.004	97	119608	20.0	
97 1,4-Dichlorobenzene	146		9.930					
98 n-Butylbenzene	91		10.132					
99 1,2-Dichlorobenzene	146		10.301					
100 1,2-Dibromo-3-Chloropropane	157		11.101					
101 1,3,5-Trichlorobenzene	180		11.135					
102 Hexachlorobutadiene	225		11.893					
103 1,2,4-Trichlorobenzene	180		11.935					
104 Naphthalene	128		12.424					
105 1,2,3-Trichlorobenzene	180		12.719					

Report Date: 13-Dec-2011 12:09:09 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55297.D
Injection Date: 12-Dec-2011 19:02:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB308-1012 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 8
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 13-Dec-2011 12:09:09 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55297.D
Injection Date: 12-Dec-2011 19:02:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB308-1012 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 8
Operator ID: BW

50 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB305-1012 | Lab Sample ID: 360-37847-3

Matrix: Solid | Lab File ID: V55298.D

Analysis Method: 8260B | Date Collected: 11/29/2011 09:00

Sample wt/vol: 6.67(g) | Date Analyzed: 12/12/2011 19:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 14.6 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.2	1.1
71-55-6	1,1,1-Trichloroethane	ND		2.2	1.8
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.2	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	1.3
79-00-5	1,1,2-Trichloroethane	ND		2.2	0.88
75-34-3	1,1-Dichloroethane	ND		2.2	1.7
75-35-4	1,1-Dichloroethene	ND		2.2	1.4
563-58-6	1,1-Dichloropropene	ND		2.2	1.3
87-61-6	1,2,3-Trichlorobenzene	ND		2.2	0.97
96-18-4	1,2,3-Trichloropropane	ND		2.2	1.1
120-82-1	1,2,4-Trichlorobenzene	ND		2.2	0.88
95-63-6	1,2,4-Trimethylbenzene	ND		2.2	1.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		22	2.5
95-50-1	1,2-Dichlorobenzene	ND		2.2	0.88
107-06-2	1,2-Dichloroethane	ND		2.2	0.88
78-87-5	1,2-Dichloropropane	ND		2.2	1.4
108-67-8	1,3,5-Trimethylbenzene	ND		2.2	1.3
541-73-1	1,3-Dichlorobenzene	ND		2.2	0.88
142-28-9	1,3-Dichloropropane	ND		2.2	1.0
106-46-7	1,4-Dichlorobenzene	ND		2.2	0.88
594-20-7	2,2-Dichloropropane	ND		2.2	1.8
78-93-3	2-Butanone (MEK)	ND		22	9.5
95-49-8	2-Chlorotoluene	ND		2.2	1.1
591-78-6	2-Hexanone	ND	*	22	12
106-43-4	4-Chlorotoluene	ND		2.2	1.1
99-87-6	4-Isopropyltoluene	ND		2.2	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	22	9.0
67-64-1	Acetone	ND		220	88
107-13-1	Acrylonitrile	ND		22	2.1
71-43-2	Benzene	ND		2.2	1.4
108-86-1	Bromobenzene	ND		2.2	0.88
75-25-2	Bromoform	ND		2.2	1.4
74-83-9	Bromomethane	ND		4.4	2.0
75-15-0	Carbon disulfide	ND	*	2.2	1.7
56-23-5	Carbon tetrachloride	ND		2.2	1.5
108-90-7	Chlorobenzene	ND		2.2	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB305-1012 | Lab Sample ID: 360-37847-3

Matrix: Solid | Lab File ID: V55298.D

Analysis Method: 8260B | Date Collected: 11/29/2011 09:00

Sample wt/vol: 6.67(g) | Date Analyzed: 12/12/2011 19:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 14.6 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.2	1.1
75-00-3	Chloroethane	ND		4.4	1.8
67-66-3	Chloroform	ND		2.2	1.3
74-87-3	Chloromethane	ND		4.4	1.4
156-59-2	cis-1,2-Dichloroethene	ND		2.2	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		2.2	0.88
74-95-3	Dibromomethane	ND		2.2	1.1
75-27-4	Dichlorobromomethane	ND		2.2	1.1
75-71-8	Dichlorodifluoromethane	ND		4.4	1.8
100-41-4	Ethylbenzene	ND		2.2	1.6
106-93-4	Ethylene Dibromide	ND		2.2	0.98
87-68-3	Hexachlorobutadiene	ND		2.2	1.3
98-82-8	Isopropylbenzene	ND		2.2	1.3
179601-23-1	m-Xylene & p-Xylene	ND		4.4	3.1
1634-04-4	Methyl tert-butyl ether	ND		2.2	1.3
75-09-2	Methylene Chloride	ND		8.8	8.6
104-51-8	n-Butylbenzene	ND		2.2	1.1
103-65-1	N-Propylbenzene	ND		2.2	1.5
91-20-3	Naphthalene	ND		22	2.0
95-47-6	o-Xylene	ND		2.2	1.1
135-98-8	sec-Butylbenzene	ND		2.2	1.2
100-42-5	Styrene	ND		2.2	0.88
98-06-6	tert-Butylbenzene	ND		2.2	1.2
127-18-4	Tetrachloroethene	ND		2.2	1.6
109-99-9	Tetrahydrofuran	ND		44	11
108-88-3	Toluene	ND		2.2	1.6
156-60-5	trans-1,2-Dichloroethene	ND		2.2	1.4
10061-02-6	trans-1,3-Dichloropropene	ND		2.2	0.91
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	4.4	1.8
79-01-6	Trichloroethene	ND		2.2	1.8
75-69-4	Trichlorofluoromethane	ND		4.4	1.2
75-01-4	Vinyl chloride	ND		2.2	1.5
1330-20-7	Xylenes, Total	ND		4.4	3.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB305-1012 Lab Sample ID: 360-37847-3

Matrix: Solid Lab File ID: V55298.D

Analysis Method: 8260B Date Collected: 11/29/2011 09:00

Sample wt/vol: 6.67(g) Date Analyzed: 12/12/2011 19:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 14.6 Level: (low/med) Low

Analysis Batch No.: 84698 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		70-130
1868-53-7	Dibromofluoromethane	94		70-130
2037-26-5	Toluene-d8 (Surr)	94		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

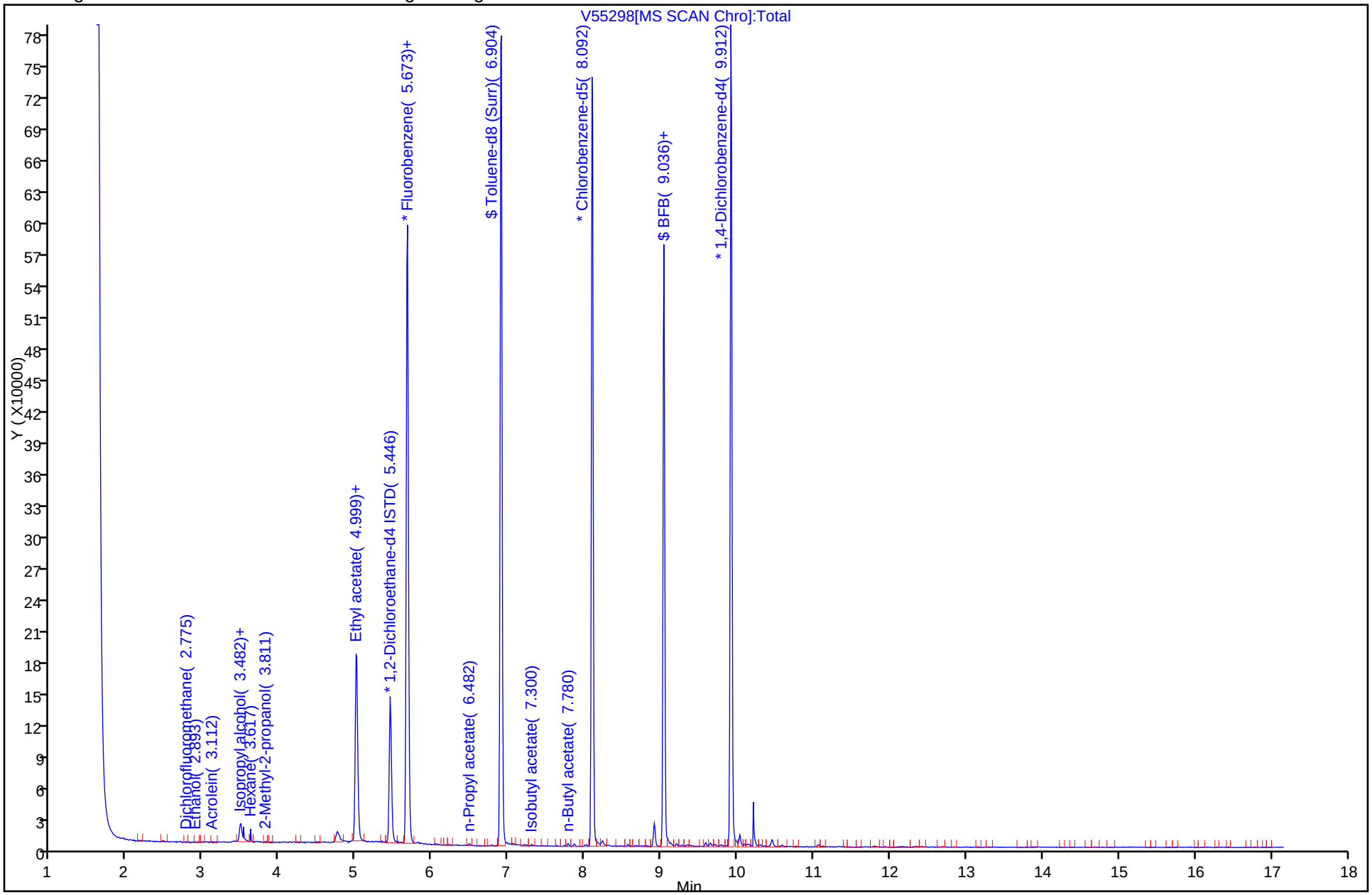
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55298.D		
Lims ID:	360-37847-D-3-A	Client ID:	BC-SO-SB305-1012
Inject. Date:	12-Dec-2011 19:28:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-D-3		
Misc. Info.:	8260LL =8260LL		
Operator:	BW	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	84698	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m		
Last Update:	13-Dec-2011 12:07:14	Calib Date:	28-Nov-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		
First Level Reviewer: weigelb		Date:	13-Dec-2011 12:09:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.731					
2 Chloromethane	50		1.857					
3 Vinyl chloride	62		1.958					
4 Bromomethane	94		2.278					
5 Chloroethane	64		2.379					
6 Trichlorofluoromethane	101		2.481					
7 Dichlorofluoromethane	67	2.699	2.582	0.117	1	127	0	
8 Ethyl ether	59		2.767					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.961					
9 1,1-Dichloroethene	96		2.961					
11 Ethanol	45	2.935	2.978	-0.043	1	475	0	
10 Carbon disulfide	76		2.995					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.045					
14 Acrolein	56	3.272	3.273	-0.001	10	519	0	
15 Isopropyl alcohol	45	3.423	3.450	-0.027	77	6222	0	
16 Methylene Chloride	84	3.491	3.492	-0.001	92	9902	0.3737	
17 Acetone	43		3.534					
18 trans-1,2-Dichloroethene	61		3.635					
19 Methyl acetate	43		3.635					
20 Hexane	57	3.685	3.702	-0.017	47	573	0	
21 Methyl tert-butyl ether	73		3.728					
22 2-Methyl-2-propanol	59	3.828	3.804	0.024	13	338	0	
23 Isopropyl ether	45		4.048					
24 1,1-Dichloroethane	63		4.166					
125 Halothane	117		4.208					
25 Acrylonitrile	53		4.216					
26 Tert-butyl ethyl ether	59		4.360					
27 Vinyl acetate	43		4.377					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.629					
29 2,2-Dichloropropane	77		4.722					
31 Chlorobromomethane	130		4.798					
30 Cyclohexane	56		4.806					
32 Chloroform	83		4.848					
34 Ethyl acetate	43	4.949	4.941	0.008	78	2880	0	
33 Carbon tetrachloride	117		4.975					
36 sec-Butyl Alcohol	45	4.949	4.975	-0.026	1	749	0	
35 Tetrahydrofuran	42		4.992					
$ 37 Dibromofluoromethane	113	4.999	5.009	-0.010	71	127096	18.7	
38 1,1,1-Trichloroethane	97		5.034					
39 2-Butanone (MEK)	43		5.110					
40 1,1-Dichloropropene	75		5.135					
41 n-Heptane	43		5.295					
42 Benzene	78		5.346					
43 Tert-amyl methyl ether	73		5.421					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.446	5.455	-0.009	0	22671	20.0	
45 1,2-Dichloroethane	62		5.506					
* 46 Fluorobenzene	96	5.673	5.674	-0.001	98	563641	20.0	
48 Isopropyl acetate	43		5.683					
47 2,4,4-Trimethyl-1-pentene	55	5.673	5.700	-0.027	8	1244	0	
50 Trichloroethene	95		5.809					
49 Methylcyclohexane	83		5.809					
51 2,4,4-Trimethyl-2-pentene	112		5.826					
52 Dibromomethane	93		6.146					
53 1,2-Dichloropropane	63		6.222					
54 Dichlorobromomethane	83		6.264					
55 Methyl methacrylate	69		6.374					
56 1,4-Dioxane	88		6.433					
57 n-Propyl acetate	43	6.482	6.483	-0.001	85	1711	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.753					
$ 60 Toluene-d8 (Surr)	98	6.904	6.905	-0.001	84	514436	18.8	
61 Toluene	92		6.938					
63 4-Methyl-2-pentanone (MIBK)	43		7.225					
62 Tetrachloroethene	166		7.242					
64 trans-1,3-Dichloropropene	75		7.259					
65 Isobutyl acetate	43	7.300	7.309	-0.009	59	1066	0	
66 1,1,2-Trichloroethane	83		7.385					
67 Chlorodibromomethane	129		7.520					
68 1,3-Dichloropropane	76		7.596					
69 Ethylene Dibromide	107		7.714					
70 n-Butyl acetate	43	7.780	7.773	0.007	71	2089	0	
71 2-Hexanone	43		7.857					
* 72 Chlorobenzene-d5	117	8.100	8.101	-0.001	88	376205	20.0	
73 Chlorobenzene	112		8.110					
74 Ethylbenzene	91		8.126					
75 1,1,1,2-Tetrachloroethane	131		8.160					
76 m-Xylene & p-Xylene	91		8.236					
77 o-Xylene	91		8.565					
78 Styrene	104		8.607					
79 Bromoform	173		8.641					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.809					
$ 82 4-Bromofluorobenzene	95	9.036	9.037	-0.001	83	212084	20.4	
83 Bromobenzene	77		9.121					
84 N-Propylbenzene	91		9.129					
85 1,1,2,2-Tetrachloroethane	83		9.180					
86 2-Chlorotoluene	91		9.264					
87 1,3,5-Trimethylbenzene	105		9.281					
88 1,2,3-Trichloropropane	110		9.298					
89 trans-1,4-Dichloro-2-butene	53		9.323					
90 4-Chlorotoluene	91		9.391					
91 tert-Butylbenzene	119		9.534					
92 1,2,4-Trimethylbenzene	105		9.584					
93 sec-Butylbenzene	105		9.669					
94 4-Isopropyltoluene	119		9.778					
95 1,3-Dichlorobenzene	146		9.854					
* 96 1,4-Dichlorobenzene-d4	115	9.912	9.913	-0.001	97	120270	20.0	
97 1,4-Dichlorobenzene	146		9.930					
98 n-Butylbenzene	91		10.132					
99 1,2-Dichlorobenzene	146		10.301					
100 1,2-Dibromo-3-Chloropropane	157		11.101					
101 1,3,5-Trichlorobenzene	180		11.135					
102 Hexachlorobutadiene	225		11.893					
103 1,2,4-Trichlorobenzene	180		11.935					
104 Naphthalene	128		12.424					
105 1,2,3-Trichlorobenzene	180		12.719					

Report Date: 13-Dec-2011 12:09:49 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55298.D
Injection Date: 12-Dec-2011 19:28:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB305-1012 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 9
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB306-1012 | Lab Sample ID: 360-37847-4

Matrix: Solid | Lab File ID: V55299.D

Analysis Method: 8260B | Date Collected: 11/29/2011 09:55

Sample wt/vol: 5.99(g) | Date Analyzed: 12/12/2011 19:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 12.0 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.4	1.1
71-55-6	1,1,1-Trichloroethane	ND		2.4	1.9
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	1.4
79-00-5	1,1,2-Trichloroethane	ND		2.4	0.95
75-34-3	1,1-Dichloroethane	ND		2.4	1.8
75-35-4	1,1-Dichloroethene	ND		2.4	1.5
563-58-6	1,1-Dichloropropene	ND		2.4	1.4
87-61-6	1,2,3-Trichlorobenzene	ND		2.4	1.0
96-18-4	1,2,3-Trichloropropane	ND		2.4	1.1
120-82-1	1,2,4-Trichlorobenzene	ND		2.4	0.95
95-63-6	1,2,4-Trimethylbenzene	ND		2.4	1.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		24	2.7
95-50-1	1,2-Dichlorobenzene	ND		2.4	0.95
107-06-2	1,2-Dichloroethane	ND		2.4	0.95
78-87-5	1,2-Dichloropropane	ND		2.4	1.5
108-67-8	1,3,5-Trimethylbenzene	ND		2.4	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.4	0.95
142-28-9	1,3-Dichloropropane	ND		2.4	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.4	0.95
594-20-7	2,2-Dichloropropane	ND		2.4	2.0
78-93-3	2-Butanone (MEK)	ND		24	10
95-49-8	2-Chlorotoluene	ND		2.4	1.2
591-78-6	2-Hexanone	ND	*	24	13
106-43-4	4-Chlorotoluene	ND		2.4	1.1
99-87-6	4-Isopropyltoluene	ND		2.4	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	24	9.7
67-64-1	Acetone	ND		240	95
107-13-1	Acrylonitrile	ND		24	2.3
71-43-2	Benzene	ND		2.4	1.5
108-86-1	Bromobenzene	ND		2.4	0.95
75-25-2	Bromoform	ND		2.4	1.5
74-83-9	Bromomethane	ND		4.7	2.2
75-15-0	Carbon disulfide	ND	*	2.4	1.8
56-23-5	Carbon tetrachloride	ND		2.4	1.6
108-90-7	Chlorobenzene	ND		2.4	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB306-1012 | Lab Sample ID: 360-37847-4

Matrix: Solid | Lab File ID: V55299.D

Analysis Method: 8260B | Date Collected: 11/29/2011 09:55

Sample wt/vol: 5.99(g) | Date Analyzed: 12/12/2011 19:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 12.0 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.4	1.1
75-00-3	Chloroethane	ND		4.7	1.9
67-66-3	Chloroform	ND		2.4	1.4
74-87-3	Chloromethane	ND		4.7	1.5
156-59-2	cis-1,2-Dichloroethene	ND		2.4	1.1
10061-01-5	cis-1,3-Dichloropropene	ND		2.4	0.95
74-95-3	Dibromomethane	ND		2.4	1.2
75-27-4	Dichlorobromomethane	ND		2.4	1.2
75-71-8	Dichlorodifluoromethane	ND		4.7	2.0
100-41-4	Ethylbenzene	ND		2.4	1.7
106-93-4	Ethylene Dibromide	ND		2.4	1.1
87-68-3	Hexachlorobutadiene	ND		2.4	1.4
98-82-8	Isopropylbenzene	ND		2.4	1.4
179601-23-1	m-Xylene & p-Xylene	ND		4.7	3.3
1634-04-4	Methyl tert-butyl ether	ND		2.4	1.4
75-09-2	Methylene Chloride	ND		9.5	9.3
104-51-8	n-Butylbenzene	ND		2.4	1.1
103-65-1	N-Propylbenzene	ND		2.4	1.6
91-20-3	Naphthalene	ND		24	2.2
95-47-6	o-Xylene	ND		2.4	1.2
135-98-8	sec-Butylbenzene	ND		2.4	1.3
100-42-5	Styrene	ND		2.4	0.95
98-06-6	tert-Butylbenzene	ND		2.4	1.3
127-18-4	Tetrachloroethene	ND		2.4	1.7
109-99-9	Tetrahydrofuran	ND		47	12
108-88-3	Toluene	ND		2.4	1.7
156-60-5	trans-1,2-Dichloroethene	ND		2.4	1.5
10061-02-6	trans-1,3-Dichloropropene	ND		2.4	0.99
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	4.7	2.0
79-01-6	Trichloroethene	12		2.4	2.0
75-69-4	Trichlorofluoromethane	ND		4.7	1.3
75-01-4	Vinyl chloride	ND		2.4	1.6
1330-20-7	Xylenes, Total	ND		4.7	3.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB306-1012 Lab Sample ID: 360-37847-4

Matrix: Solid Lab File ID: V55299.D

Analysis Method: 8260B Date Collected: 11/29/2011 09:55

Sample wt/vol: 5.99(g) Date Analyzed: 12/12/2011 19:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 12.0 Level: (low/med) Low

Analysis Batch No.: 84698 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	103		70-130
1868-53-7	Dibromofluoromethane	96		70-130
2037-26-5	Toluene-d8 (Surr)	94		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55299.D
Lims ID: 360-37847-D-4-A
Client ID: BC-SO-SB306-1012
Inject. Date: 12-Dec-2011 19:53:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37847-D-4
Misc. Info.: 8260LL =8260LL
Operator: BW
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 10
Lims Batch ID: 84698
Lims Sample ID: 10
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m
Last Update: 13-Dec-2011 12:07:14
Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE
ID Type: RT Order ID
Process Host: CORPRDS01

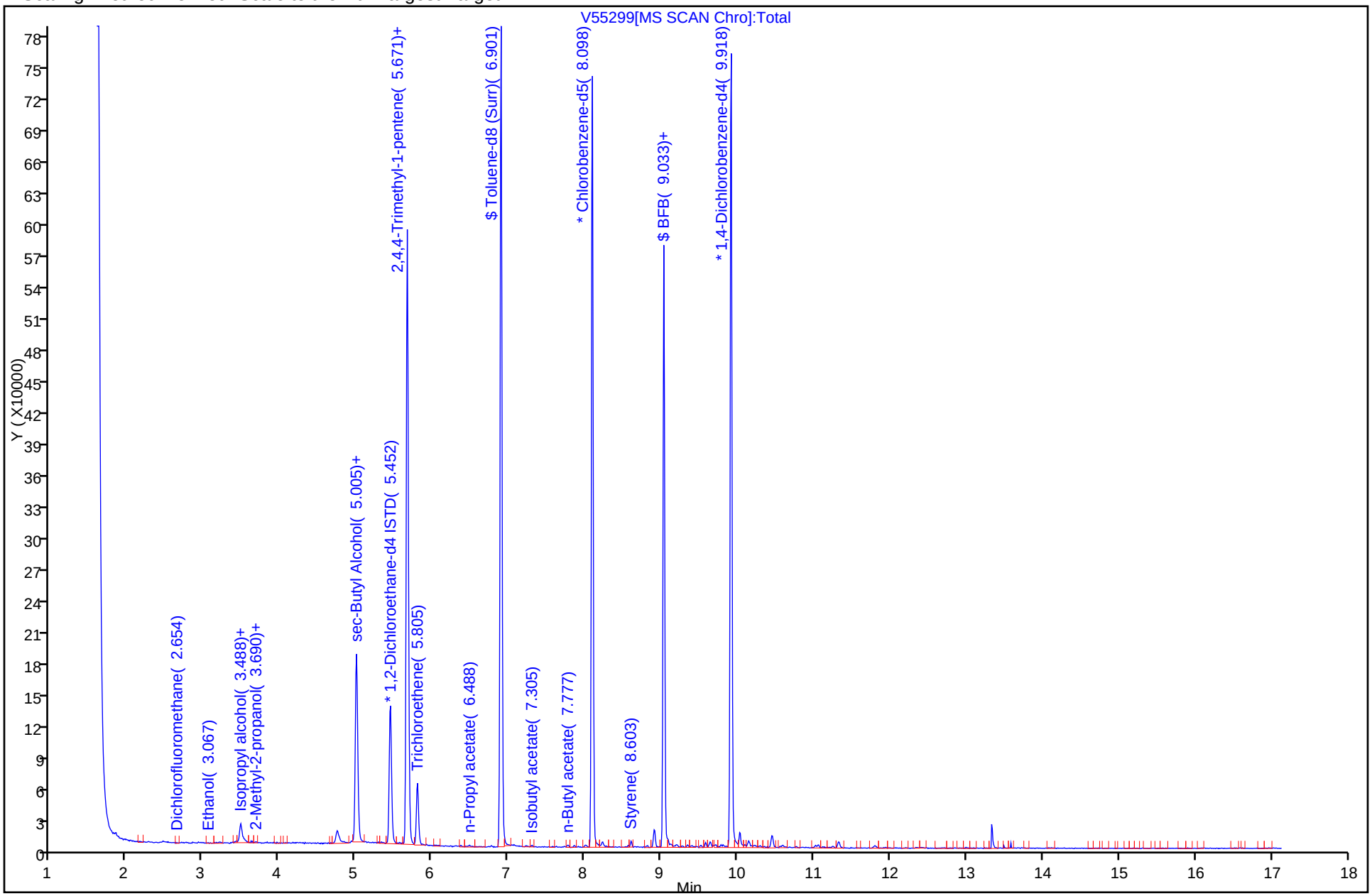
First Level Reviewer: weigelb
Date: 13-Dec-2011 12:11:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.731					
2 Chloromethane	50		1.857					
3 Vinyl chloride	62		1.958					
4 Bromomethane	94		2.278					
5 Chloroethane	64		2.379					
6 Trichlorofluoromethane	101		2.481					
7 Dichlorofluoromethane	67	2.620	2.582	0.038	1	179	0	
8 Ethyl ether	59		2.767					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.961					
9 1,1-Dichloroethene	96		2.961					
11 Ethanol	45	3.016	2.978	0.038	15	1958	0	
10 Carbon disulfide	76		2.995					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.045					
14 Acrolein	56		3.273					
15 Isopropyl alcohol	45	3.463	3.450	0.013	59	6497	0	
16 Methylene Chloride	84	3.488	3.492	-0.004	95	9971	0.4155	
17 Acetone	43		3.534					
18 trans-1,2-Dichloroethene	61		3.635					
19 Methyl acetate	43		3.635					
20 Hexane	57	3.690	3.702	-0.012	34	632	0	
21 Methyl tert-butyl ether	73		3.728					
22 2-Methyl-2-propanol	59	3.775	3.804	-0.029	1	73	0	
23 Isopropyl ether	45		4.048					
24 1,1-Dichloroethane	63		4.166					
125 Halothane	117		4.208					
25 Acrylonitrile	53		4.216					
26 Tert-butyl ethyl ether	59		4.360					
27 Vinyl acetate	43		4.377					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.629					
29 2,2-Dichloropropane	77		4.722					
31 Chlorobromomethane	130		4.798					
30 Cyclohexane	56		4.806					
32 Chloroform	83		4.848					
34 Ethyl acetate	43	4.938	4.941	-0.003	76	3140	0	
33 Carbon tetrachloride	117		4.975					
36 sec-Butyl Alcohol	45	4.954	4.975	-0.021	4	644	0	
35 Tetrahydrofuran	42		4.992					
$ 37 Dibromofluoromethane	113	5.005	5.009	-0.004	64	126228	19.2	
38 1,1,1-Trichloroethane	97	5.030	5.034	-0.004	13	1260	0.1033	
39 2-Butanone (MEK)	43		5.110					
40 1,1-Dichloropropene	75		5.135					
41 n-Heptane	43		5.295					
42 Benzene	78		5.346					
43 Tert-amyl methyl ether	73		5.421					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.452	5.455	-0.003	0	22387	20.0	
45 1,2-Dichloroethane	62		5.506					
* 46 Fluorobenzene	96	5.671	5.674	-0.003	98	546537	20.0	
48 Isopropyl acetate	43		5.683					
47 2,4,4-Trimethyl-1-pentene	55	5.662	5.700	-0.038	12	606	0	
50 Trichloroethene	95	5.805	5.809	-0.004	87	22178	2.53	
49 Methylcyclohexane	83		5.809					
51 2,4,4-Trimethyl-2-pentene	112		5.826					
52 Dibromomethane	93		6.146					
53 1,2-Dichloropropane	63		6.222					
54 Dichlorobromomethane	83		6.264					
55 Methyl methacrylate	69		6.374					
56 1,4-Dioxane	88		6.433					
57 n-Propyl acetate	43	6.480	6.483	-0.003	74	1661	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.753					
$ 60 Toluene-d8 (Surr)	98	6.901	6.905	-0.004	84	498757	18.8	
61 Toluene	92		6.938					
63 4-Methyl-2-pentanone (MIBK)	43		7.225					
62 Tetrachloroethene	166		7.242					
64 trans-1,3-Dichloropropene	75		7.259					
65 Isobutyl acetate	43	7.305	7.309	-0.004	65	749	0	
66 1,1,2-Trichloroethane	83		7.385					
67 Chlorodibromomethane	129		7.520					
68 1,3-Dichloropropane	76		7.596					
69 Ethylene Dibromide	107		7.714					
70 n-Butyl acetate	43	7.777	7.773	0.004	80	2254	0	
71 2-Hexanone	43		7.857					
* 72 Chlorobenzene-d5	117	8.098	8.101	-0.003	86	365941	20.0	
73 Chlorobenzene	112		8.110					
74 Ethylbenzene	91		8.126					
75 1,1,1,2-Tetrachloroethane	131		8.160					
76 m-Xylene & p-Xylene	91		8.236					
77 o-Xylene	91		8.565					
78 Styrene	104	8.603	8.607	-0.004	81	2481	0.1198	
79 Bromoform	173		8.641					

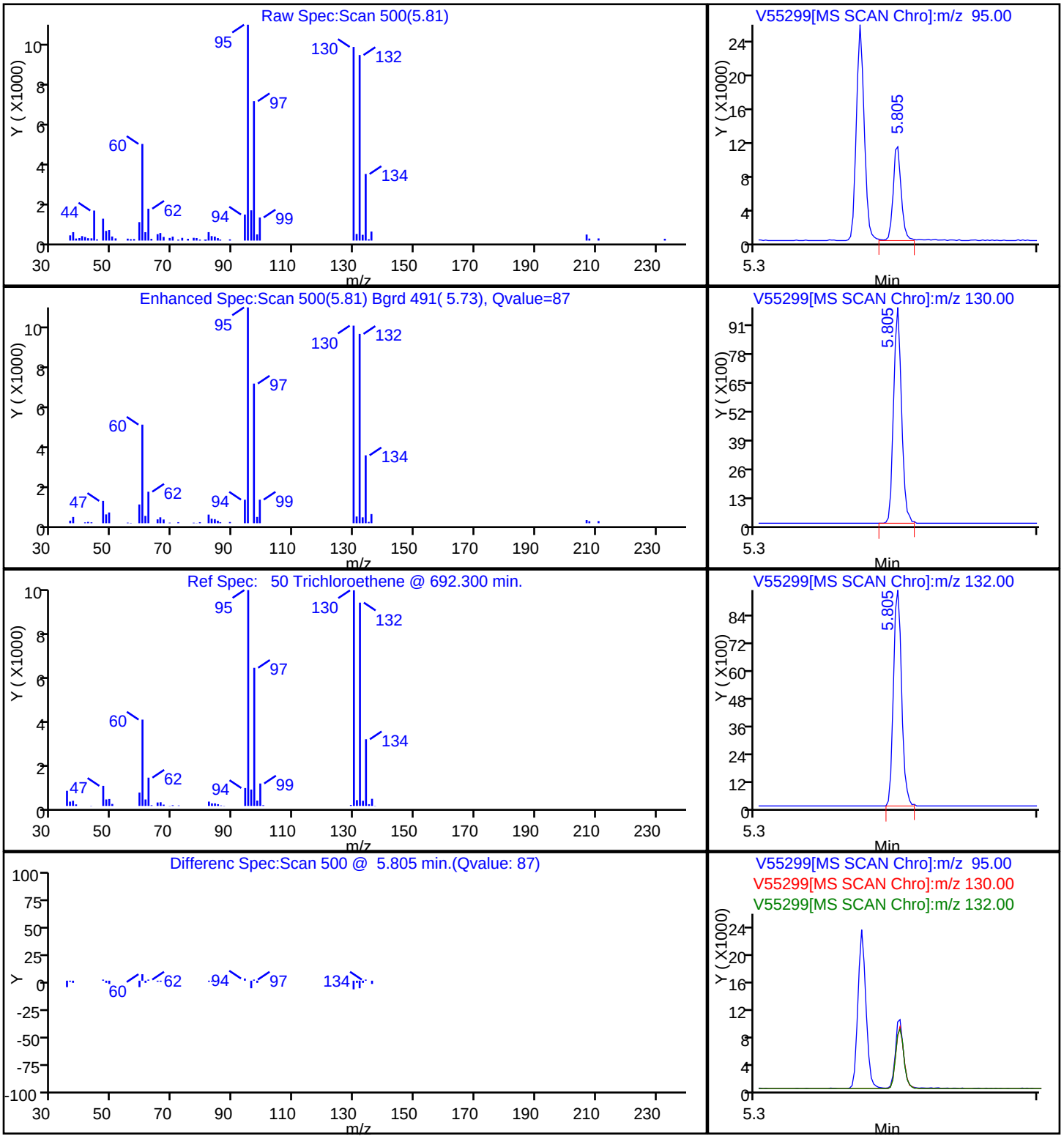
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.809					
$ 82 4-Bromofluorobenzene	95	9.033	9.037	-0.004	80	207472	20.6	
83 Bromobenzene	77		9.121					
84 N-Propylbenzene	91		9.129					
85 1,1,2,2-Tetrachloroethane	83		9.180					
86 2-Chlorotoluene	91		9.264					
87 1,3,5-Trimethylbenzene	105		9.281					
88 1,2,3-Trichloropropane	110		9.298					
89 trans-1,4-Dichloro-2-butene	53		9.323					
90 4-Chlorotoluene	91		9.391					
91 tert-Butylbenzene	119		9.534					
92 1,2,4-Trimethylbenzene	105		9.584					
93 sec-Butylbenzene	105		9.669					
94 4-Isopropyltoluene	119		9.778					
95 1,3-Dichlorobenzene	146		9.854					
* 96 1,4-Dichlorobenzene-d4	115	9.918	9.913	0.005	96	118163	20.0	
97 1,4-Dichlorobenzene	146		9.930					
98 n-Butylbenzene	91		10.132					
99 1,2-Dichlorobenzene	146		10.301					
100 1,2-Dibromo-3-Chloropropane	157		11.101					
101 1,3,5-Trichlorobenzene	180		11.135					
102 Hexachlorobutadiene	225		11.893					
103 1,2,4-Trichlorobenzene	180		11.935					
104 Naphthalene	128		12.424					
105 1,2,3-Trichlorobenzene	180		12.719					

Report Date: 13-Dec-2011 12:11:19 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55299.D
Injection Date: 12-Dec-2011 19:53:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB306-1012 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 10
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 13-Dec-2011 12:11:19 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55299.D
Injection Date: 12-Dec-2011 19:53:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB306-1012 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 10
Operator ID: BW

50 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB305-0203 | Lab Sample ID: 360-37847-5

Matrix: Solid | Lab File ID: V55300.D

Analysis Method: 8260B | Date Collected: 11/29/2011 08:45

Sample wt/vol: 4.56(g) | Date Analyzed: 12/12/2011 20:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 15.5 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		3.2	1.6
71-55-6	1,1,1-Trichloroethane	ND		3.2	2.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		3.2	1.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		16	1.9
79-00-5	1,1,2-Trichloroethane	ND		3.2	1.3
75-34-3	1,1-Dichloroethane	ND		3.2	2.5
75-35-4	1,1-Dichloroethene	ND		3.2	2.1
563-58-6	1,1-Dichloropropene	ND		3.2	1.9
87-61-6	1,2,3-Trichlorobenzene	ND		3.2	1.4
96-18-4	1,2,3-Trichloropropane	ND		3.2	1.6
120-82-1	1,2,4-Trichlorobenzene	ND		3.2	1.3
95-63-6	1,2,4-Trimethylbenzene	ND		3.2	1.8
96-12-8	1,2-Dibromo-3-Chloropropane	ND		32	3.6
95-50-1	1,2-Dichlorobenzene	ND		3.2	1.3
107-06-2	1,2-Dichloroethane	ND		3.2	1.3
78-87-5	1,2-Dichloropropane	ND		3.2	2.1
108-67-8	1,3,5-Trimethylbenzene	ND		3.2	1.9
541-73-1	1,3-Dichlorobenzene	ND		3.2	1.3
142-28-9	1,3-Dichloropropane	ND		3.2	1.5
106-46-7	1,4-Dichlorobenzene	ND		3.2	1.3
594-20-7	2,2-Dichloropropane	ND		3.2	2.7
78-93-3	2-Butanone (MEK)	ND		32	14
95-49-8	2-Chlorotoluene	ND		3.2	1.7
591-78-6	2-Hexanone	ND	*	32	18
106-43-4	4-Chlorotoluene	ND		3.2	1.6
99-87-6	4-Isopropyltoluene	ND		3.2	1.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	32	13
67-64-1	Acetone	ND		320	130
107-13-1	Acrylonitrile	ND		32	3.1
71-43-2	Benzene	ND		3.2	2.1
108-86-1	Bromobenzene	ND		3.2	1.3
75-25-2	Bromoform	ND		3.2	2.1
74-83-9	Bromomethane	ND		6.5	3.0
75-15-0	Carbon disulfide	ND	*	3.2	2.5
56-23-5	Carbon tetrachloride	ND		3.2	2.2
108-90-7	Chlorobenzene	ND		3.2	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB305-0203 | Lab Sample ID: 360-37847-5

Matrix: Solid | Lab File ID: V55300.D

Analysis Method: 8260B | Date Collected: 11/29/2011 08:45

Sample wt/vol: 4.56(g) | Date Analyzed: 12/12/2011 20:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 15.5 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		3.2	1.6
75-00-3	Chloroethane	ND		6.5	2.6
67-66-3	Chloroform	ND		3.2	1.9
74-87-3	Chloromethane	ND		6.5	2.1
156-59-2	cis-1,2-Dichloroethene	ND		3.2	1.5
10061-01-5	cis-1,3-Dichloropropene	ND		3.2	1.3
74-95-3	Dibromomethane	ND		3.2	1.6
75-27-4	Dichlorobromomethane	ND		3.2	1.7
75-71-8	Dichlorodifluoromethane	ND		6.5	2.7
100-41-4	Ethylbenzene	ND		3.2	2.3
106-93-4	Ethylene Dibromide	ND		3.2	1.5
87-68-3	Hexachlorobutadiene	ND		3.2	1.9
98-82-8	Isopropylbenzene	ND		3.2	1.9
179601-23-1	m-Xylene & p-Xylene	ND		6.5	4.5
1634-04-4	Methyl tert-butyl ether	ND		3.2	1.9
75-09-2	Methylene Chloride	ND		13	13
104-51-8	n-Butylbenzene	ND		3.2	1.6
103-65-1	N-Propylbenzene	ND		3.2	2.2
91-20-3	Naphthalene	ND		32	3.0
95-47-6	o-Xylene	ND		3.2	1.7
135-98-8	sec-Butylbenzene	ND		3.2	1.8
100-42-5	Styrene	ND		3.2	1.3
98-06-6	tert-Butylbenzene	ND		3.2	1.8
127-18-4	Tetrachloroethene	ND		3.2	2.3
109-99-9	Tetrahydrofuran	ND		65	16
108-88-3	Toluene	ND		3.2	2.3
156-60-5	trans-1,2-Dichloroethene	ND		3.2	2.1
10061-02-6	trans-1,3-Dichloropropene	ND		3.2	1.3
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	6.5	2.7
79-01-6	Trichloroethene	ND		3.2	2.7
75-69-4	Trichlorofluoromethane	ND		6.5	1.8
75-01-4	Vinyl chloride	ND		3.2	2.2
1330-20-7	Xylenes, Total	ND		6.5	4.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB305-0203 Lab Sample ID: 360-37847-5

Matrix: Solid Lab File ID: V55300.D

Analysis Method: 8260B Date Collected: 11/29/2011 08:45

Sample wt/vol: 4.56(g) Date Analyzed: 12/12/2011 20:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 15.5 Level: (low/med) Low

Analysis Batch No.: 84698 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		70-130
1868-53-7	Dibromofluoromethane	96		70-130
2037-26-5	Toluene-d8 (Surr)	91		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

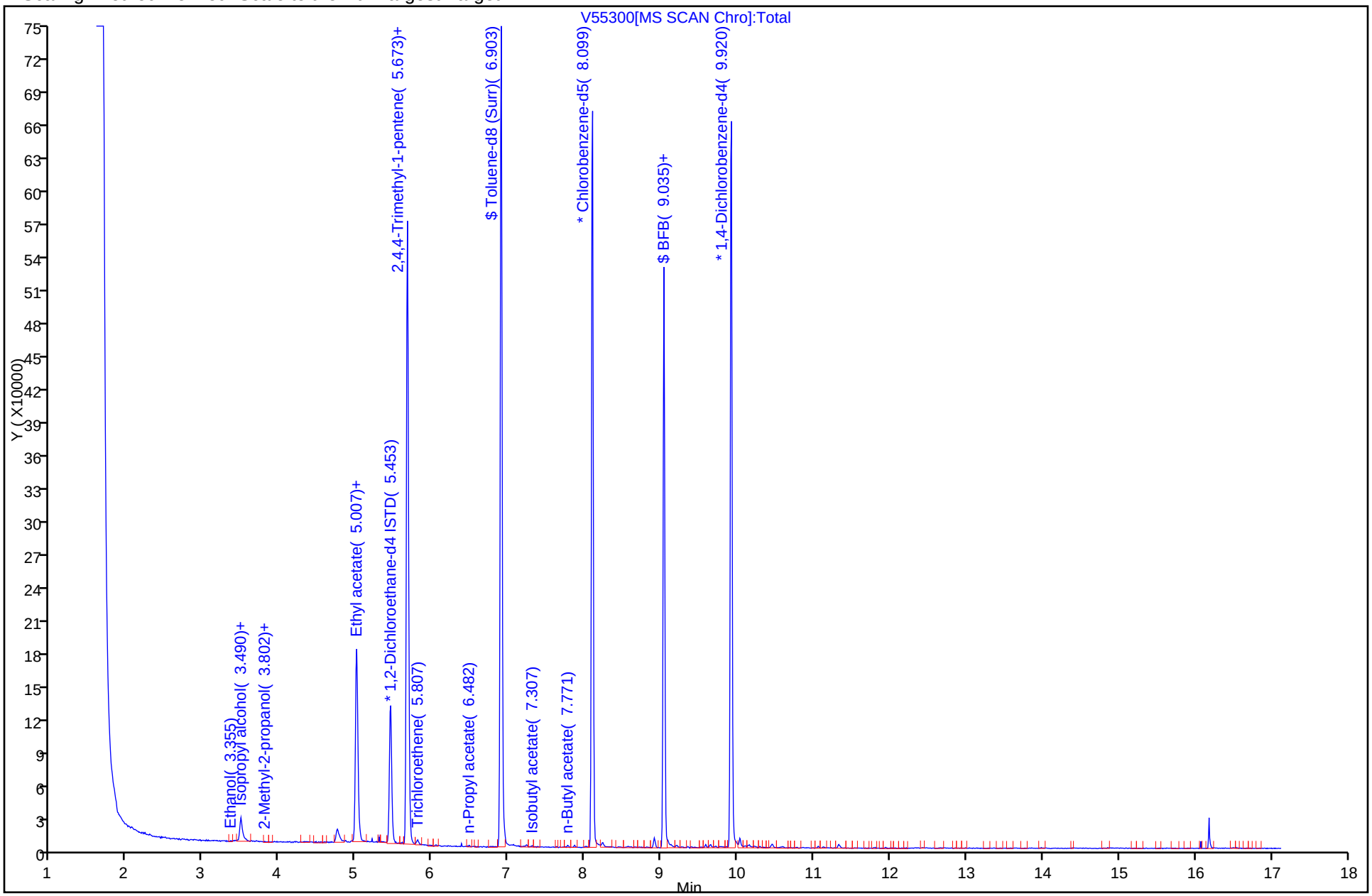
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55300.D		
Lims ID:	360-37847-D-5-A	Client ID:	BC-SO-SB305-0203
Inject. Date:	12-Dec-2011 20:19:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-D-5		
Misc. Info.:	8260LL =8260LL		
Operator:	BW	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	84698	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m		
Last Update:	13-Dec-2011 12:07:14	Calib Date:	28-Nov-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		
First Level Reviewer: weigelb		Date:	13-Dec-2011 12:13:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.731					
2 Chloromethane	50		1.857					
3 Vinyl chloride	62		1.958					
4 Bromomethane	94		2.278					
5 Chloroethane	64		2.379					
6 Trichlorofluoromethane	101		2.481					
7 Dichlorofluoromethane	67	2.571	2.582	-0.011	1	221	0	
8 Ethyl ether	59		2.767					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.961					
9 1,1-Dichloroethene	96		2.961					
11 Ethanol	45	2.909	2.978	-0.069	5	1136	0	
10 Carbon disulfide	76		2.995					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.045					
14 Acrolein	56		3.273					
15 Isopropyl alcohol	45	3.448	3.450	-0.002	78	4853	0	
16 Methylene Chloride	84	3.490	3.492	-0.002	96	11138	0.5881	
17 Acetone	43		3.534					
18 trans-1,2-Dichloroethene	61		3.635					
19 Methyl acetate	43		3.635					
20 Hexane	57	3.684	3.702	-0.018	19	550	0	
21 Methyl tert-butyl ether	73		3.728					
22 2-Methyl-2-propanol	59	3.777	3.804	-0.027	19	304	0	
23 Isopropyl ether	45		4.048					
24 1,1-Dichloroethane	63		4.166					
125 Halothane	117		4.208					
25 Acrylonitrile	53		4.216					
26 Tert-butyl ethyl ether	59		4.360					
27 Vinyl acetate	43		4.377					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.629					
29 2,2-Dichloropropane	77		4.722					
31 Chlorobromomethane	130		4.798					
30 Cyclohexane	56		4.806					
32 Chloroform	83		4.848					
34 Ethyl acetate	43	4.948	4.941	0.007	57	2739	0	
33 Carbon tetrachloride	117		4.975					
36 sec-Butyl Alcohol	45		4.975					
35 Tetrahydrofuran	42		4.992					
$ 37 Dibromofluoromethane	113	5.007	5.009	-0.002	69	122363	19.2	
38 1,1,1-Trichloroethane	97	5.041	5.034	0.007	70	2829	0.2394	
39 2-Butanone (MEK)	43		5.110					
40 1,1-Dichloropropene	75		5.135					
41 n-Heptane	43		5.295					
42 Benzene	78		5.346					
43 Tert-amyl methyl ether	73		5.421					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.453	5.455	-0.002	0	21336	20.0	
45 1,2-Dichloroethane	62		5.506					
* 46 Fluorobenzene	96	5.673	5.674	-0.001	98	529566	20.0	
48 Isopropyl acetate	43		5.683					
47 2,4,4-Trimethyl-1-pentene	55	5.664	5.700	-0.036	23	1139	0	
50 Trichloroethene	95	5.807	5.809	-0.002	75	1801	0.2121	
49 Methylcyclohexane	83		5.809					
51 2,4,4-Trimethyl-2-pentene	112		5.826					
52 Dibromomethane	93		6.146					
53 1,2-Dichloropropane	63		6.222					
54 Dichlorobromomethane	83		6.264					
55 Methyl methacrylate	69		6.374					
56 1,4-Dioxane	88		6.433					
57 n-Propyl acetate	43	6.482	6.483	-0.001	90	1295	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.753					
$ 60 Toluene-d8 (Surr)	98	6.903	6.905	-0.002	84	471514	18.3	
61 Toluene	92		6.938					
63 4-Methyl-2-pentanone (MIBK)	43		7.225					
62 Tetrachloroethene	166		7.242					
64 trans-1,3-Dichloropropene	75		7.259					
65 Isobutyl acetate	43	7.307	7.309	-0.002	76	915	0	
66 1,1,2-Trichloroethane	83		7.385					
67 Chlorodibromomethane	129		7.520					
68 1,3-Dichloropropane	76		7.596					
69 Ethylene Dibromide	107		7.714					
70 n-Butyl acetate	43	7.779	7.773	0.006	75	1335	0	
71 2-Hexanone	43		7.857					
* 72 Chlorobenzene-d5	117	8.099	8.101	-0.002	88	341244	20.0	
73 Chlorobenzene	112		8.110					
74 Ethylbenzene	91		8.126					
75 1,1,1,2-Tetrachloroethane	131		8.160					
76 m-Xylene & p-Xylene	91		8.236					
77 o-Xylene	91		8.565					
78 Styrene	104		8.607					
79 Bromoform	173		8.641					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.809					
$ 82 4-Bromofluorobenzene	95	9.035	9.037	-0.002	80	188521	20.0	
83 Bromobenzene	77		9.121					
84 N-Propylbenzene	91		9.129					
85 1,1,2,2-Tetrachloroethane	83		9.180					
86 2-Chlorotoluene	91		9.264					
87 1,3,5-Trimethylbenzene	105		9.281					
88 1,2,3-Trichloropropane	110		9.298					
89 trans-1,4-Dichloro-2-butene	53		9.323					
90 4-Chlorotoluene	91		9.391					
91 tert-Butylbenzene	119		9.534					
92 1,2,4-Trimethylbenzene	105		9.584					
93 sec-Butylbenzene	105		9.669					
94 4-Isopropyltoluene	119		9.778					
95 1,3-Dichlorobenzene	146		9.854					
* 96 1,4-Dichlorobenzene-d4	115	9.920	9.913	0.007	97	103296	20.0	
97 1,4-Dichlorobenzene	146		9.930					
98 n-Butylbenzene	91		10.132					
99 1,2-Dichlorobenzene	146		10.301					
100 1,2-Dibromo-3-Chloropropane	157		11.101					
101 1,3,5-Trichlorobenzene	180		11.135					
102 Hexachlorobutadiene	225		11.893					
103 1,2,4-Trichlorobenzene	180		11.935					
104 Naphthalene	128		12.424					
105 1,2,3-Trichlorobenzene	180		12.719					

Report Date: 13-Dec-2011 12:13:41 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55300.D
Injection Date: 12-Dec-2011 20:19:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB305-0203 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 11
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB307-0810 | Lab Sample ID: 360-37847-6

Matrix: Solid | Lab File ID: V55301.D

Analysis Method: 8260B | Date Collected: 11/29/2011 14:40

Sample wt/vol: 7.32(g) | Date Analyzed: 12/12/2011 20:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 16.3 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.0	0.98
71-55-6	1,1,1-Trichloroethane	4.8		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.82
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	1.2
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.82
75-34-3	1,1-Dichloroethane	ND		2.0	1.6
75-35-4	1,1-Dichloroethene	ND		2.0	1.3
563-58-6	1,1-Dichloropropene	ND		2.0	1.2
87-61-6	1,2,3-Trichlorobenzene	ND		2.0	0.90
96-18-4	1,2,3-Trichloropropane	ND		2.0	0.98
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	2.3
95-50-1	1,2-Dichlorobenzene	ND		2.0	0.82
107-06-2	1,2-Dichloroethane	ND		2.0	0.82
78-87-5	1,2-Dichloropropane	ND		2.0	1.3
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	1.2
541-73-1	1,3-Dichlorobenzene	ND		2.0	0.82
142-28-9	1,3-Dichloropropane	ND		2.0	0.93
106-46-7	1,4-Dichlorobenzene	ND		2.0	0.82
594-20-7	2,2-Dichloropropane	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	8.8
95-49-8	2-Chlorotoluene	ND		2.0	1.1
591-78-6	2-Hexanone	ND	*	20	11
106-43-4	4-Chlorotoluene	ND		2.0	0.98
99-87-6	4-Isopropyltoluene	ND		2.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	20	8.3
67-64-1	Acetone	ND		200	82
107-13-1	Acrylonitrile	ND		20	2.0
71-43-2	Benzene	ND		2.0	1.3
108-86-1	Bromobenzene	ND		2.0	0.82
75-25-2	Bromoform	ND		2.0	1.3
74-83-9	Bromomethane	ND		4.1	1.9
75-15-0	Carbon disulfide	ND	*	2.0	1.6
56-23-5	Carbon tetrachloride	ND		2.0	1.4
108-90-7	Chlorobenzene	ND		2.0	0.98

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB307-0810 | Lab Sample ID: 360-37847-6

Matrix: Solid | Lab File ID: V55301.D

Analysis Method: 8260B | Date Collected: 11/29/2011 14:40

Sample wt/vol: 7.32(g) | Date Analyzed: 12/12/2011 20:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 16.3 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.0	0.98
75-00-3	Chloroethane	ND		4.1	1.6
67-66-3	Chloroform	ND		2.0	1.2
74-87-3	Chloromethane	ND		4.1	1.3
156-59-2	cis-1,2-Dichloroethene	ND		2.0	0.96
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.82
74-95-3	Dibromomethane	ND		2.0	1.0
75-27-4	Dichlorobromomethane	ND		2.0	1.0
75-71-8	Dichlorodifluoromethane	ND		4.1	1.7
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	Ethylene Dibromide	ND		2.0	0.91
87-68-3	Hexachlorobutadiene	ND		2.0	1.2
98-82-8	Isopropylbenzene	ND		2.0	1.2
179601-23-1	m-Xylene & p-Xylene	ND		4.1	2.9
1634-04-4	Methyl tert-butyl ether	ND		2.0	1.2
75-09-2	Methylene Chloride	ND		8.2	8.0
104-51-8	n-Butylbenzene	ND		2.0	0.98
103-65-1	N-Propylbenzene	ND		2.0	1.4
91-20-3	Naphthalene	ND		20	1.9
95-47-6	o-Xylene	ND		2.0	1.1
135-98-8	sec-Butylbenzene	ND		2.0	1.1
100-42-5	Styrene	ND		2.0	0.82
98-06-6	tert-Butylbenzene	ND		2.0	1.1
127-18-4	Tetrachloroethene	ND		2.0	1.5
109-99-9	Tetrahydrofuran	ND		41	10
108-88-3	Toluene	ND		2.0	1.5
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.3
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.85
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	4.1	1.7
79-01-6	Trichloroethene	10		2.0	1.7
75-69-4	Trichlorofluoromethane	ND		4.1	1.2
75-01-4	Vinyl chloride	ND		2.0	1.4
1330-20-7	Xylenes, Total	ND		4.1	2.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB307-0810 Lab Sample ID: 360-37847-6

Matrix: Solid Lab File ID: V55301.D

Analysis Method: 8260B Date Collected: 11/29/2011 14:40

Sample wt/vol: 7.32(g) Date Analyzed: 12/12/2011 20:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 16.3 Level: (low/med) Low

Analysis Batch No.: 84698 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		70-130
1868-53-7	Dibromofluoromethane	93		70-130
2037-26-5	Toluene-d8 (Surr)	93		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

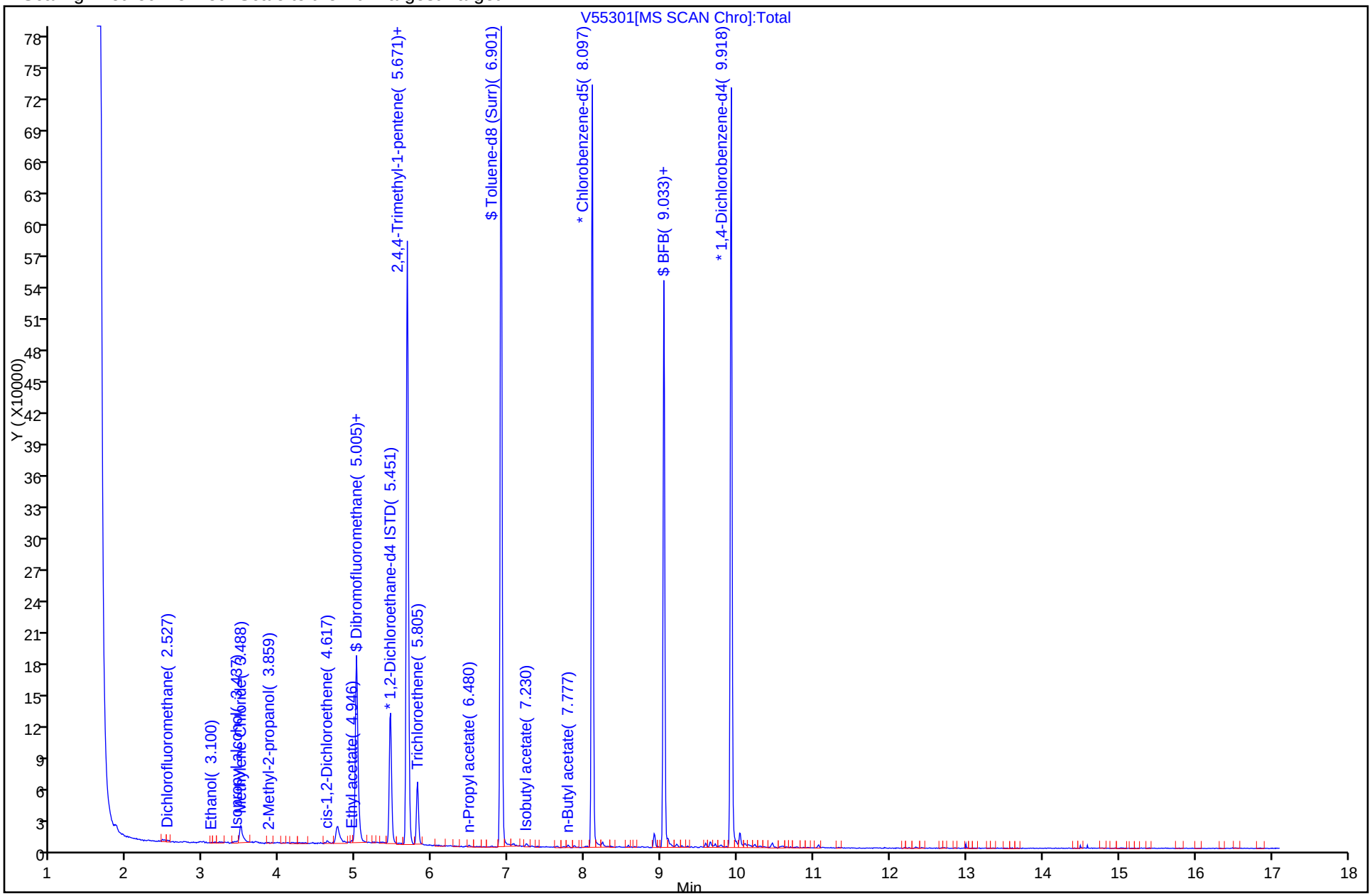
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55301.D		
Lims ID:	360-37847-D-6-A	Client ID:	BC-SO-SB307-0810
Inject. Date:	12-Dec-2011 20:44:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-D-6		
Misc. Info.:	8260LL =8260LL		
Operator:	BW	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	84698	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m		
Last Update:	13-Dec-2011 12:07:14	Calib Date:	28-Nov-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		
First Level Reviewer: weigelb		Date:	13-Dec-2011 12:14:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.731					
2 Chloromethane	50		1.857					
3 Vinyl chloride	62		1.958					
4 Bromomethane	94		2.278					
5 Chloroethane	64		2.379					
6 Trichlorofluoromethane	101		2.481					
7 Dichlorofluoromethane	67	2.502	2.582	-0.080	1	82	0	
8 Ethyl ether	59		2.767					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.961					
9 1,1-Dichloroethene	96		2.961					
11 Ethanol	45	2.940	2.978	-0.038	37	574	0	
10 Carbon disulfide	76		2.995					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.045					
14 Acrolein	56		3.273					
15 Isopropyl alcohol	45	3.429	3.450	-0.021	79	7015	0	
16 Methylene Chloride	84	3.488	3.492	-0.004	93	8907	0.3081	
17 Acetone	43		3.534					
18 trans-1,2-Dichloroethene	61		3.635					
19 Methyl acetate	43		3.635					
20 Hexane	57		3.702					
21 Methyl tert-butyl ether	73		3.728					
22 2-Methyl-2-propanol	59	3.834	3.804	0.030	37	596	0	
23 Isopropyl ether	45		4.048					
24 1,1-Dichloroethane	63		4.166					
125 Halothane	117		4.208					
25 Acrylonitrile	53		4.216					
26 Tert-butyl ethyl ether	59		4.360					
27 Vinyl acetate	43		4.377					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61	4.626	4.629	-0.003	44	1416	0.1140	
29 2,2-Dichloropropane	77		4.722					
31 Chlorobromomethane	130		4.798					
30 Cyclohexane	56		4.806					
32 Chloroform	83		4.848					
34 Ethyl acetate	43	4.946	4.941	0.005	92	3493	0	
33 Carbon tetrachloride	117		4.975					
36 sec-Butyl Alcohol	45		4.975					
35 Tetrahydrofuran	42		4.992					
$ 37 Dibromofluoromethane	113	5.005	5.009	-0.004	70	121665	18.7	
38 1,1,1-Trichloroethane	97	5.039	5.034	0.005	82	14227	1.18	
39 2-Butanone (MEK)	43		5.110					
40 1,1-Dichloropropene	75		5.135					
41 n-Heptane	43		5.295					
42 Benzene	78		5.346					
43 Tert-amyl methyl ether	73		5.421					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.451	5.455	-0.004	0	21136	20.0	
45 1,2-Dichloroethane	62		5.506					
* 46 Fluorobenzene	96	5.671	5.674	-0.003	98	539536	20.0	
48 Isopropyl acetate	43		5.683					
47 2,4,4-Trimethyl-1-pentene	55	5.671	5.700	-0.029	14	1184	0	
50 Trichloroethene	95	5.805	5.809	-0.004	97	22049	2.55	
49 Methylcyclohexane	83		5.809					
51 2,4,4-Trimethyl-2-pentene	112		5.826					
52 Dibromomethane	93		6.146					
53 1,2-Dichloropropane	63		6.222					
54 Dichlorobromomethane	83		6.264					
55 Methyl methacrylate	69		6.374					
56 1,4-Dioxane	88		6.433					
57 n-Propyl acetate	43	6.480	6.483	-0.003	80	2096	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.753					
$ 60 Toluene-d8 (Surr)	98	6.901	6.905	-0.004	84	491243	18.7	
61 Toluene	92		6.938					
63 4-Methyl-2-pentanone (MIBK)	43		7.225					
62 Tetrachloroethene	166		7.242					
64 trans-1,3-Dichloropropene	75		7.259					
65 Isobutyl acetate	43	7.305	7.309	-0.004	57	960	0	
66 1,1,2-Trichloroethane	83		7.385					
67 Chlorodibromomethane	129		7.520					
68 1,3-Dichloropropane	76		7.596					
69 Ethylene Dibromide	107		7.714					
70 n-Butyl acetate	43	7.777	7.773	0.004	55	1652	0	
71 2-Hexanone	43		7.857					
* 72 Chlorobenzene-d5	117	8.097	8.101	-0.004	87	357728	20.0	
73 Chlorobenzene	112		8.110					
74 Ethylbenzene	91		8.126					
75 1,1,1,2-Tetrachloroethane	131		8.160					
76 m-Xylene & p-Xylene	91		8.236					
77 o-Xylene	91		8.565					
78 Styrene	104		8.607					
79 Bromoform	173		8.641					

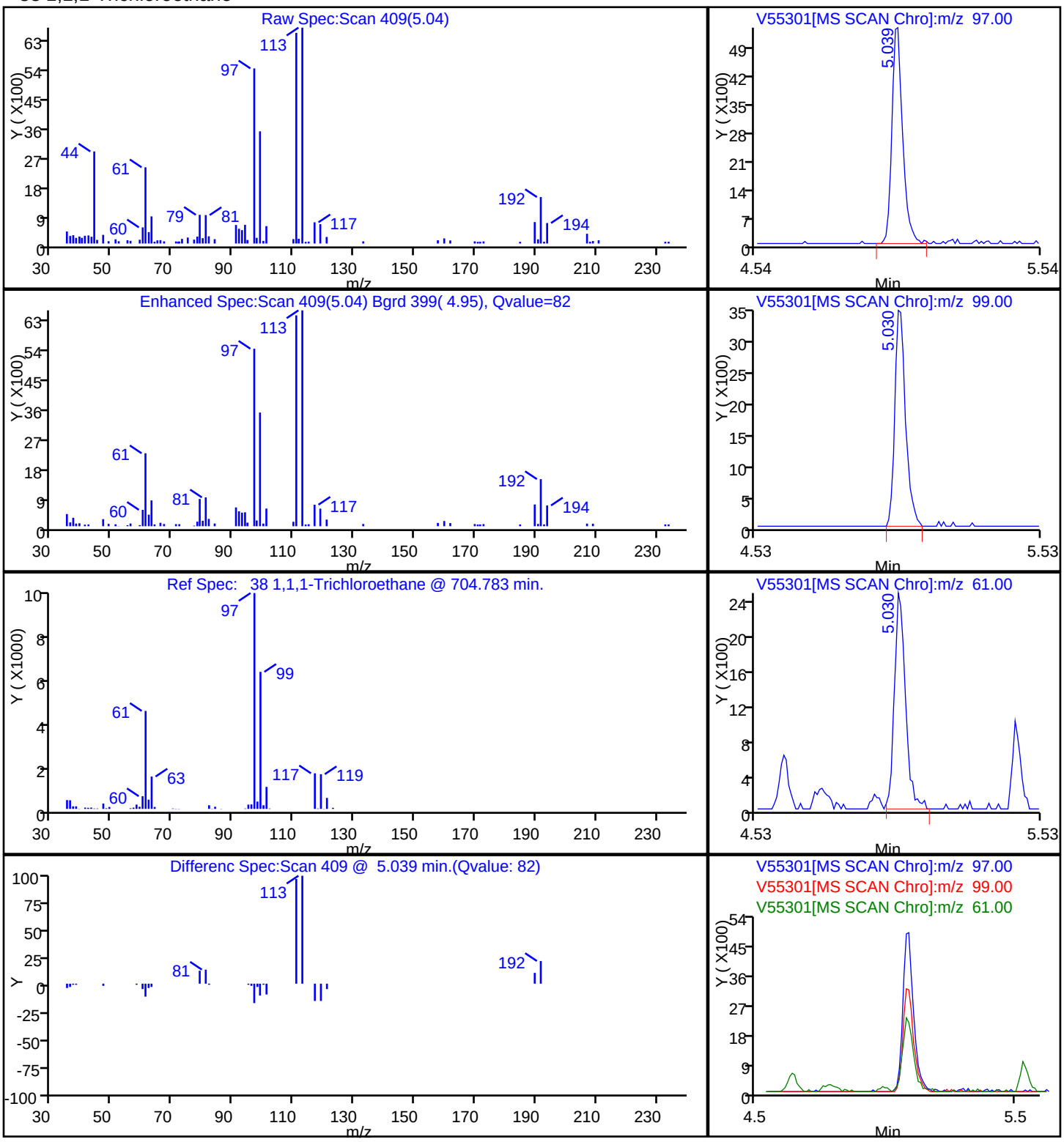
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.809					
$ 82 4-Bromofluorobenzene	95	9.033	9.037	-0.004	79	197543	20.0	
83 Bromobenzene	77		9.121					
84 N-Propylbenzene	91		9.129					
85 1,1,2,2-Tetrachloroethane	83		9.180					
86 2-Chlorotoluene	91		9.264					
87 1,3,5-Trimethylbenzene	105		9.281					
88 1,2,3-Trichloropropane	110		9.298					
89 trans-1,4-Dichloro-2-butene	53		9.323					
90 4-Chlorotoluene	91		9.391					
91 tert-Butylbenzene	119		9.534					
92 1,2,4-Trimethylbenzene	105		9.584					
93 sec-Butylbenzene	105		9.669					
94 4-Isopropyltoluene	119		9.778					
95 1,3-Dichlorobenzene	146		9.854					
* 96 1,4-Dichlorobenzene-d4	115	9.918	9.913	0.005	97	107936	20.0	
97 1,4-Dichlorobenzene	146		9.930					
98 n-Butylbenzene	91		10.132					
99 1,2-Dichlorobenzene	146		10.301					
100 1,2-Dibromo-3-Chloropropane	157		11.101					
101 1,3,5-Trichlorobenzene	180		11.135					
102 Hexachlorobutadiene	225		11.893					
103 1,2,4-Trichlorobenzene	180		11.935					
104 Naphthalene	128		12.424					
105 1,2,3-Trichlorobenzene	180		12.719					

Report Date: 13-Dec-2011 12:14:31 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55301.D
Injection Date: 12-Dec-2011 20:44:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB307-0810 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 12
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



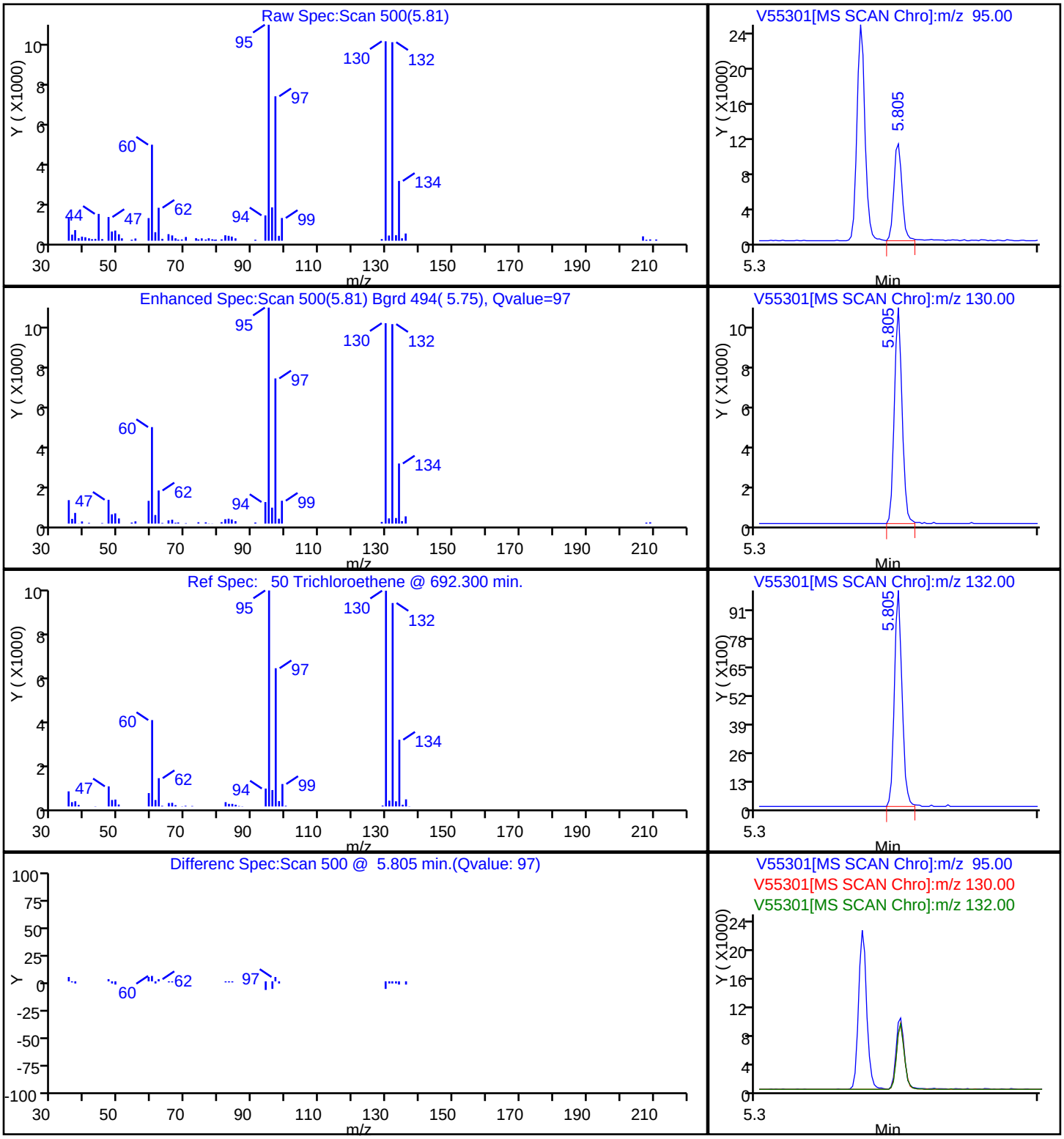
Report Date: 13-Dec-2011 12:14:31 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55301.D
Injection Date: 12-Dec-2011 20:44:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB307-0810 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 12
Operator ID: BW

38 1,1,1-Trichloroethane



Report Date: 13-Dec-2011 12:14:31 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55301.D
Injection Date: 12-Dec-2011 20:44:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB307-0810 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 12
Operator ID: BW

50 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-TB-112911 | Lab Sample ID: 360-37847-7

Matrix: Solid | Lab File ID: V55302.D

Analysis Method: 8260B | Date Collected: 11/29/2011 09:00

Sample wt/vol: 5(g) | Date Analyzed: 12/12/2011 21:09

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.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.2
71-55-6	1,1,1-Trichloroethane	ND		2.5	2.0
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		13	1.4
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.9
75-35-4	1,1-Dichloroethene	ND		2.5	1.6
563-58-6	1,1-Dichloropropene	ND		2.5	1.5
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	2.8
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
78-87-5	1,2-Dichloropropane	ND		2.5	1.6
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.5
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
594-20-7	2,2-Dichloropropane	ND		2.5	2.1
78-93-3	2-Butanone (MEK)	ND		25	11
95-49-8	2-Chlorotoluene	ND		2.5	1.3
591-78-6	2-Hexanone	ND	*	25	14
106-43-4	4-Chlorotoluene	ND		2.5	1.2
99-87-6	4-Isopropyltoluene	ND		2.5	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	25	10
67-64-1	Acetone	ND		250	100
107-13-1	Acrylonitrile	ND		25	2.4
71-43-2	Benzene	ND		2.5	1.6
108-86-1	Bromobenzene	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.6
74-83-9	Bromomethane	ND		5.0	2.3
75-15-0	Carbon disulfide	ND	*	2.5	1.9
56-23-5	Carbon tetrachloride	ND		2.5	1.7
108-90-7	Chlorobenzene	ND		2.5	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-TB-112911 | Lab Sample ID: 360-37847-7

Matrix: Solid | Lab File ID: V55302.D

Analysis Method: 8260B | Date Collected: 11/29/2011 09:00

Sample wt/vol: 5(g) | Date Analyzed: 12/12/2011 21:09

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.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.5	1.2
75-00-3	Chloroethane	ND		5.0	2.0
67-66-3	Chloroform	ND		2.5	1.5
74-87-3	Chloromethane	ND		5.0	1.6
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.2
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.3
75-27-4	Dichlorobromomethane	ND		2.5	1.3
75-71-8	Dichlorodifluoromethane	ND		5.0	2.1
100-41-4	Ethylbenzene	ND		2.5	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.1
87-68-3	Hexachlorobutadiene	ND		2.5	1.5
98-82-8	Isopropylbenzene	ND		2.5	1.5
179601-23-1	m-Xylene & p-Xylene	ND		5.0	3.5
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.5
75-09-2	Methylene Chloride	ND		10	9.8
104-51-8	n-Butylbenzene	ND		2.5	1.2
103-65-1	N-Propylbenzene	ND		2.5	1.7
91-20-3	Naphthalene	ND		25	2.3
95-47-6	o-Xylene	ND		2.5	1.3
135-98-8	sec-Butylbenzene	ND		2.5	1.4
100-42-5	Styrene	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.4
127-18-4	Tetrachloroethene	ND		2.5	1.8
109-99-9	Tetrahydrofuran	ND		50	12
108-88-3	Toluene	ND		2.5	1.8
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.6
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	5.0	2.1
79-01-6	Trichloroethene	ND		2.5	2.1
75-69-4	Trichlorofluoromethane	ND		5.0	1.4
75-01-4	Vinyl chloride	ND		2.5	1.7
1330-20-7	Xylenes, Total	ND		5.0	3.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-TB-112911 Lab Sample ID: 360-37847-7

Matrix: Solid Lab File ID: V55302.D

Analysis Method: 8260B Date Collected: 11/29/2011 09:00

Sample wt/vol: 5(g) Date Analyzed: 12/12/2011 21:09

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.: 84698 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		70-130
1868-53-7	Dibromofluoromethane	96		70-130
2037-26-5	Toluene-d8 (Surr)	94		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

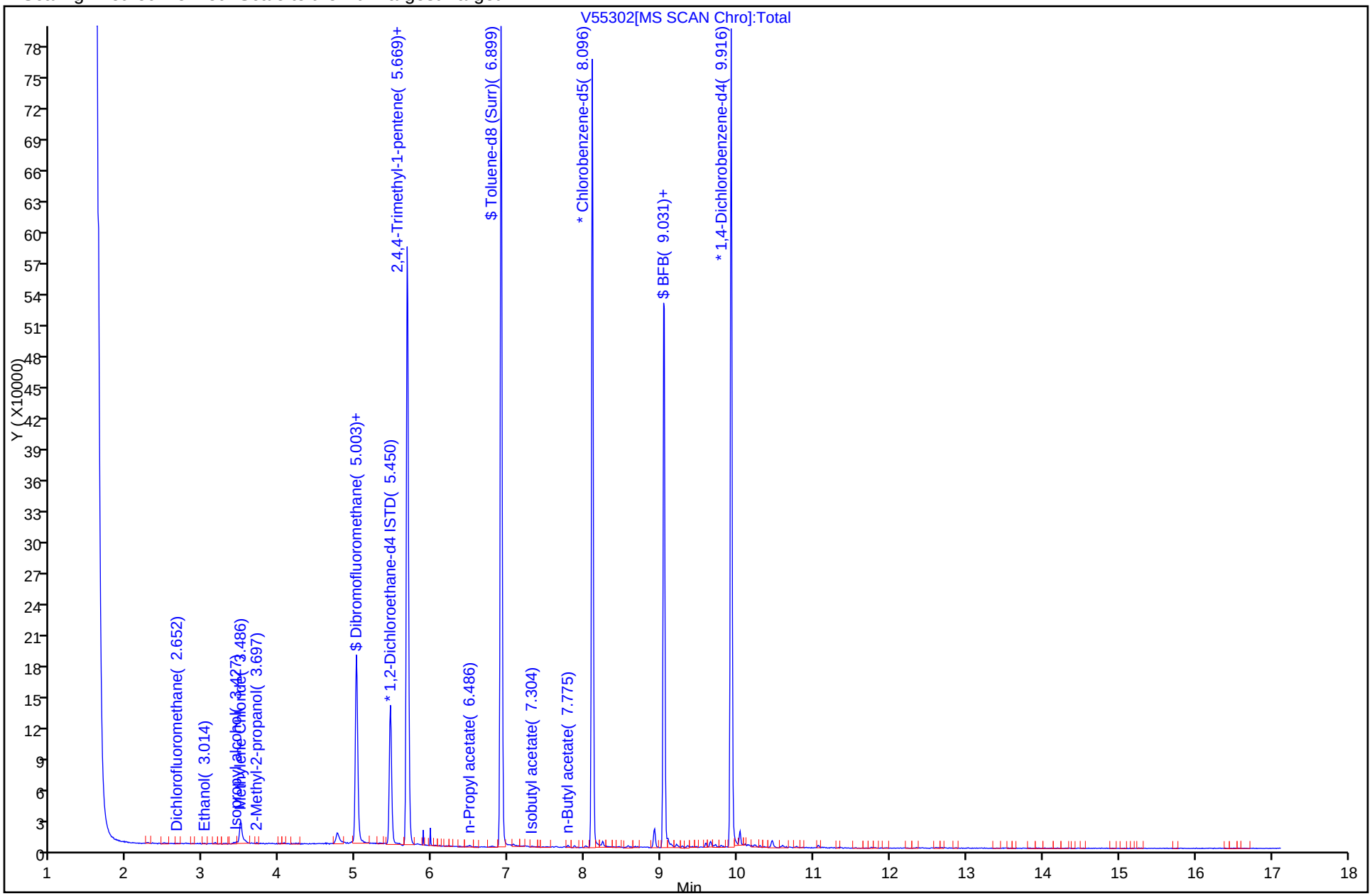
Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55302.D		
Lims ID:	360-37847-B-7-A	Client ID:	BC-TB-112911
Inject. Date:	12-Dec-2011 21:09:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-B-7		
Misc. Info.:	8260LL =8260LL		
Operator:	BW	Instrument ID:	HP #1 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	84698	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m		
Last Update:	13-Dec-2011 12:07:14	Calib Date:	28-Nov-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		
First Level Reviewer: weigelb		Date:	13-Dec-2011 12:20:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.731					
2 Chloromethane	50		1.857					
3 Vinyl chloride	62		1.958					
4 Bromomethane	94		2.278					
5 Chloroethane	64		2.379					
6 Trichlorofluoromethane	101		2.481					
7 Dichlorofluoromethane	67	2.719	2.582	0.137	1	172	0	
8 Ethyl ether	59		2.767					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.961					
9 1,1-Dichloroethene	96		2.961					
11 Ethanol	45	2.938	2.978	-0.040	33	403	0	
10 Carbon disulfide	76		2.995					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.045					
14 Acrolein	56		3.273					
15 Isopropyl alcohol	45	3.427	3.450	-0.023	74	6718	0	
16 Methylene Chloride	84	3.486	3.492	-0.006	92	11279	0.5678	
17 Acetone	43		3.534					
18 trans-1,2-Dichloroethene	61		3.635					
19 Methyl acetate	43		3.635					
20 Hexane	57		3.702					
21 Methyl tert-butyl ether	73		3.728					
22 2-Methyl-2-propanol	59	3.790	3.804	-0.014	1	583	0	
23 Isopropyl ether	45		4.048					
24 1,1-Dichloroethane	63		4.166					
125 Halothane	117		4.208					
25 Acrylonitrile	53		4.216					
26 Tert-butyl ethyl ether	59		4.360					
27 Vinyl acetate	43		4.377					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.629					
29 2,2-Dichloropropane	77		4.722					
31 Chlorobromomethane	130		4.798					
30 Cyclohexane	56		4.806					
32 Chloroform	83		4.848					
34 Ethyl acetate	43	4.952	4.941	0.011	81	3206	0	
33 Carbon tetrachloride	117		4.975					
36 sec-Butyl Alcohol	45		4.975					
35 Tetrahydrofuran	42		4.992					
$ 37 Dibromofluoromethane	113	5.003	5.009	-0.006	70	125087	19.1	
38 1,1,1-Trichloroethane	97		5.034					
39 2-Butanone (MEK)	43		5.110					
40 1,1-Dichloropropene	75		5.135					
41 n-Heptane	43		5.295					
42 Benzene	78		5.346					
43 Tert-amyl methyl ether	73		5.421					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.450	5.455	-0.005	0	21841	20.0	
45 1,2-Dichloroethane	62		5.506					
* 46 Fluorobenzene	96	5.669	5.674	-0.005	98	544770	20.0	
48 Isopropyl acetate	43		5.683					
47 2,4,4-Trimethyl-1-pentene	55	5.669	5.700	-0.031	22	1056	0	
50 Trichloroethene	95		5.809					
49 Methylcyclohexane	83		5.809					
51 2,4,4-Trimethyl-2-pentene	112		5.826					
52 Dibromomethane	93		6.146					
53 1,2-Dichloropropane	63		6.222					
54 Dichlorobromomethane	83		6.264					
55 Methyl methacrylate	69		6.374					
56 1,4-Dioxane	88		6.433					
57 n-Propyl acetate	43	6.486	6.483	0.003	85	1669	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.753					
$ 60 Toluene-d8 (Surr)	98	6.899	6.905	-0.006	84	496792	18.8	
61 Toluene	92		6.938					
63 4-Methyl-2-pentanone (MIBK)	43		7.225					
62 Tetrachloroethene	166		7.242					
64 trans-1,3-Dichloropropene	75		7.259					
65 Isobutyl acetate	43	7.304	7.309	-0.005	63	704	0	
66 1,1,2-Trichloroethane	83		7.385					
67 Chlorodibromomethane	129		7.520					
68 1,3-Dichloropropane	76		7.596					
69 Ethylene Dibromide	107		7.714					
70 n-Butyl acetate	43	7.775	7.773	0.002	81	2178	0	
71 2-Hexanone	43		7.857					
* 72 Chlorobenzene-d5	117	8.096	8.101	-0.005	89	368750	20.0	
73 Chlorobenzene	112		8.110					
74 Ethylbenzene	91		8.126					
75 1,1,1,2-Tetrachloroethane	131		8.160					
76 m-Xylene & p-Xylene	91		8.236					
77 o-Xylene	91		8.565					
78 Styrene	104		8.607					
79 Bromoform	173		8.641					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.809					
$ 82 4-Bromofluorobenzene	95	9.031	9.037	-0.006	77	203915	20.1	
83 Bromobenzene	77		9.121					
84 N-Propylbenzene	91		9.129					
85 1,1,2,2-Tetrachloroethane	83		9.180					
86 2-Chlorotoluene	91		9.264					
87 1,3,5-Trimethylbenzene	105		9.281					
88 1,2,3-Trichloropropane	110		9.298					
89 trans-1,4-Dichloro-2-butene	53		9.323					
90 4-Chlorotoluene	91		9.391					
91 tert-Butylbenzene	119		9.534					
92 1,2,4-Trimethylbenzene	105		9.584					
93 sec-Butylbenzene	105		9.669					
94 4-Isopropyltoluene	119		9.778					
95 1,3-Dichlorobenzene	146		9.854					
* 96 1,4-Dichlorobenzene-d4	115	9.916	9.913	0.003	98	117051	20.0	
97 1,4-Dichlorobenzene	146		9.930					
98 n-Butylbenzene	91		10.132					
99 1,2-Dichlorobenzene	146		10.301					
100 1,2-Dibromo-3-Chloropropane	157		11.101					
101 1,3,5-Trichlorobenzene	180		11.135					
102 Hexachlorobutadiene	225		11.893					
103 1,2,4-Trichlorobenzene	180		11.935					
104 Naphthalene	128		12.424					
105 1,2,3-Trichlorobenzene	180		12.719					

Report Date: 13-Dec-2011 12:20:13 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55302.D
Injection Date: 12-Dec-2011 21:09:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-TB-112911 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 13
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB200A-0406 | Lab Sample ID: 360-37847-8

Matrix: Solid | Lab File ID: V55303.D

Analysis Method: 8260B | Date Collected: 11/29/2011 15:35

Sample wt/vol: 5.25(g) | Date Analyzed: 12/12/2011 21:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 7.7 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.6	1.2
71-55-6	1,1,1-Trichloroethane	ND		2.6	2.1
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	1.5
79-00-5	1,1,2-Trichloroethane	ND		2.6	1.0
75-34-3	1,1-Dichloroethane	ND		2.6	2.0
75-35-4	1,1-Dichloroethene	ND		2.6	1.7
563-58-6	1,1-Dichloropropene	ND		2.6	1.5
87-61-6	1,2,3-Trichlorobenzene	ND		2.6	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.6	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		2.6	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.6	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	ND		26	2.9
95-50-1	1,2-Dichlorobenzene	ND		2.6	1.0
107-06-2	1,2-Dichloroethane	ND		2.6	1.0
78-87-5	1,2-Dichloropropane	ND		2.6	1.7
108-67-8	1,3,5-Trimethylbenzene	ND		2.6	1.5
541-73-1	1,3-Dichlorobenzene	ND		2.6	1.0
142-28-9	1,3-Dichloropropane	ND		2.6	1.2
106-46-7	1,4-Dichlorobenzene	ND		2.6	1.0
594-20-7	2,2-Dichloropropane	ND		2.6	2.2
78-93-3	2-Butanone (MEK)	ND		26	11
95-49-8	2-Chlorotoluene	ND		2.6	1.3
591-78-6	2-Hexanone	ND	*	26	14
106-43-4	4-Chlorotoluene	ND		2.6	1.2
99-87-6	4-Isopropyltoluene	ND		2.6	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	26	11
67-64-1	Acetone	ND		260	100
107-13-1	Acrylonitrile	ND		26	2.5
71-43-2	Benzene	ND		2.6	1.7
108-86-1	Bromobenzene	ND		2.6	1.0
75-25-2	Bromoform	ND		2.6	1.7
74-83-9	Bromomethane	ND		5.2	2.4
75-15-0	Carbon disulfide	ND	*	2.6	2.0
56-23-5	Carbon tetrachloride	ND		2.6	1.8
108-90-7	Chlorobenzene	ND		2.6	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB200A-0406 | Lab Sample ID: 360-37847-8

Matrix: Solid | Lab File ID: V55303.D

Analysis Method: 8260B | Date Collected: 11/29/2011 15:35

Sample wt/vol: 5.25(g) | Date Analyzed: 12/12/2011 21:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 7.7 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.6	1.2
75-00-3	Chloroethane	ND		5.2	2.1
67-66-3	Chloroform	ND		2.6	1.5
74-87-3	Chloromethane	ND		5.2	1.7
156-59-2	cis-1,2-Dichloroethene	ND		2.6	1.2
10061-01-5	cis-1,3-Dichloropropene	ND		2.6	1.0
74-95-3	Dibromomethane	ND		2.6	1.3
75-27-4	Dichlorobromomethane	ND		2.6	1.3
75-71-8	Dichlorodifluoromethane	ND		5.2	2.2
100-41-4	Ethylbenzene	ND		2.6	1.9
106-93-4	Ethylene Dibromide	ND		2.6	1.2
87-68-3	Hexachlorobutadiene	ND		2.6	1.5
98-82-8	Isopropylbenzene	ND		2.6	1.5
179601-23-1	m-Xylene & p-Xylene	ND		5.2	3.6
1634-04-4	Methyl tert-butyl ether	ND		2.6	1.5
75-09-2	Methylene Chloride	ND		10	10
104-51-8	n-Butylbenzene	ND		2.6	1.2
103-65-1	N-Propylbenzene	ND		2.6	1.8
91-20-3	Naphthalene	ND		26	2.4
95-47-6	o-Xylene	ND		2.6	1.3
135-98-8	sec-Butylbenzene	ND		2.6	1.4
100-42-5	Styrene	ND		2.6	1.0
98-06-6	tert-Butylbenzene	ND		2.6	1.4
127-18-4	Tetrachloroethene	ND		2.6	1.9
109-99-9	Tetrahydrofuran	ND		52	13
108-88-3	Toluene	ND		2.6	1.9
156-60-5	trans-1,2-Dichloroethene	ND		2.6	1.7
10061-02-6	trans-1,3-Dichloropropene	ND		2.6	1.1
110-57-6	trans-1,4-Dichloro-2-butene	ND	*	5.2	2.2
79-01-6	Trichloroethene	ND		2.6	2.2
75-69-4	Trichlorofluoromethane	ND		5.2	1.5
75-01-4	Vinyl chloride	ND		2.6	1.8
1330-20-7	Xylenes, Total	ND		5.2	3.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB200A-0406 Lab Sample ID: 360-37847-8

Matrix: Solid Lab File ID: V55303.D

Analysis Method: 8260B Date Collected: 11/29/2011 15:35

Sample wt/vol: 5.25(g) Date Analyzed: 12/12/2011 21:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 7.7 Level: (low/med) Low

Analysis Batch No.: 84698 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		70-130
1868-53-7	Dibromofluoromethane	97		70-130
2037-26-5	Toluene-d8 (Surr)	93		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55303.D
Lims ID: 360-37847-D-8-A
Client ID: BC-SO-SB200A-0406
Inject. Date: 12-Dec-2011 21:35:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37847-D-8
Misc. Info.: 8260LL =8260LL
Operator: BW
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 14
Lims Batch ID: 84698
Lims Sample ID: 14
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m
Last Update: 13-Dec-2011 12:07:14
Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE
ID Type: RT Order ID
Process Host: CORPRDS01

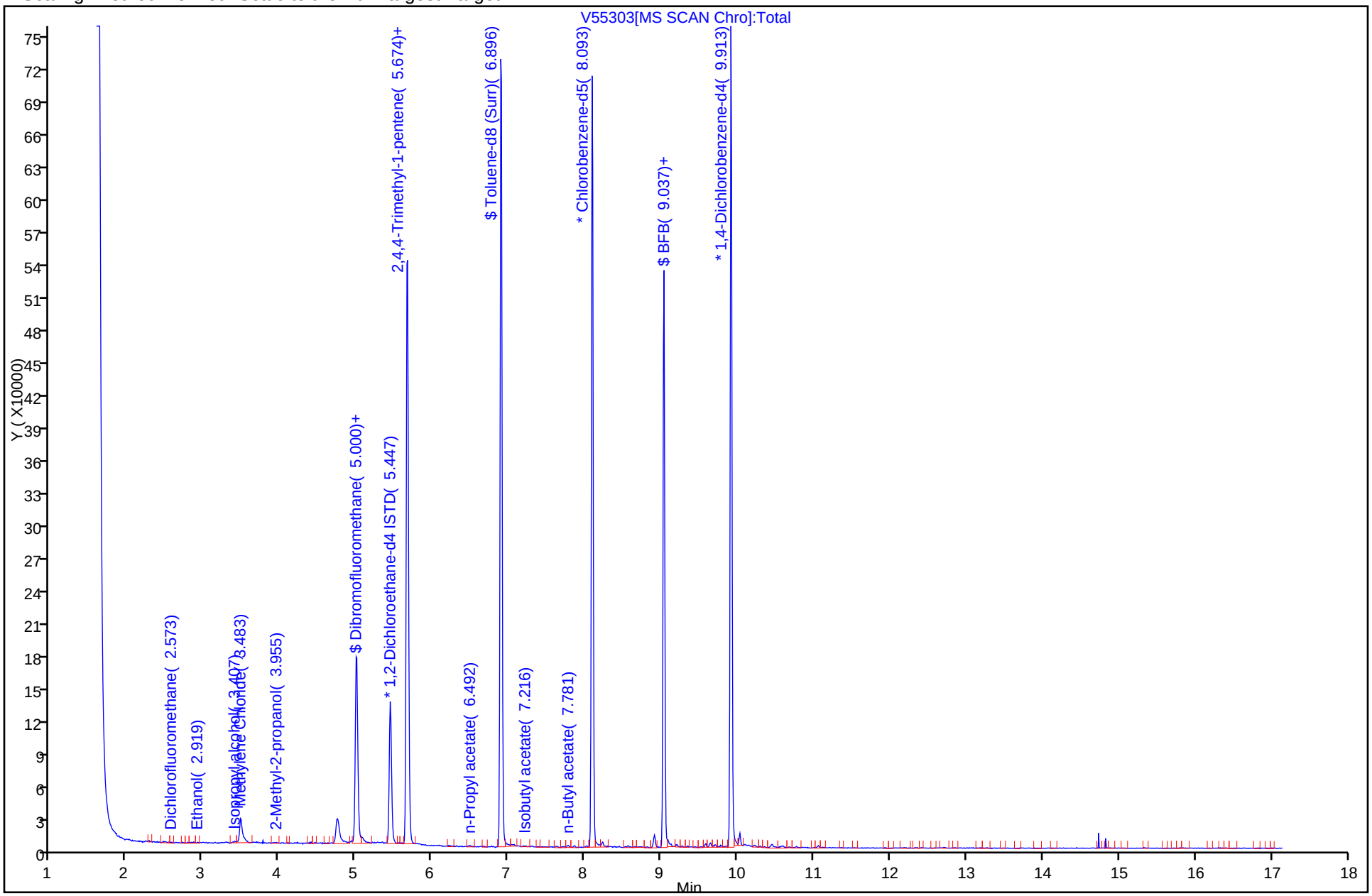
First Level Reviewer: weigelb
Date: 13-Dec-2011 12:21:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.731					
2 Chloromethane	50		1.857					
3 Vinyl chloride	62		1.958					
4 Bromomethane	94		2.278					
5 Chloroethane	64		2.379					
6 Trichlorofluoromethane	101		2.481					
7 Dichlorofluoromethane	67	2.573	2.582	-0.009	1	110	0	
8 Ethyl ether	59		2.767					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.961					
9 1,1-Dichloroethene	96		2.961					
11 Ethanol	45	2.910	2.978	-0.068	14	443	0	
10 Carbon disulfide	76		2.995					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.045					
14 Acrolein	56		3.273					
15 Isopropyl alcohol	45	3.441	3.450	-0.009	82	6399	0	
16 Methylene Chloride	84	3.492	3.492	0.0	89	12436	0.7418	
17 Acetone	43		3.534					
18 trans-1,2-Dichloroethene	61		3.635					
19 Methyl acetate	43		3.635					
20 Hexane	57		3.702					
21 Methyl tert-butyl ether	73		3.728					
22 2-Methyl-2-propanol	59	3.795	3.804	-0.009	1	602	0	
23 Isopropyl ether	45		4.048					
24 1,1-Dichloroethane	63		4.166					
125 Halothane	117		4.208					
25 Acrylonitrile	53		4.216					
26 Tert-butyl ethyl ether	59		4.360					
27 Vinyl acetate	43		4.377					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.629					
29 2,2-Dichloropropane	77		4.722					
31 Chlorobromomethane	130		4.798					
30 Cyclohexane	56		4.806					
32 Chloroform	83		4.848					
34 Ethyl acetate	43	4.950	4.941	0.009	82	3522	0	
33 Carbon tetrachloride	117		4.975					
36 sec-Butyl Alcohol	45		4.975					
35 Tetrahydrofuran	42		4.992					
$ 37 Dibromofluoromethane	113	5.000	5.009	-0.009	69	124197	19.5	
38 1,1,1-Trichloroethane	97		5.034					
39 2-Butanone (MEK)	43		5.110					
40 1,1-Dichloropropene	75		5.135					
41 n-Heptane	43		5.295					
42 Benzene	78		5.346					
43 Tert-amyl methyl ether	73		5.421					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.447	5.455	-0.008	0	21466	20.0	
45 1,2-Dichloroethane	62		5.506					
* 46 Fluorobenzene	96	5.674	5.674	0.0	98	528834	20.0	
48 Isopropyl acetate	43		5.683					
47 2,4,4-Trimethyl-1-pentene	55	5.674	5.700	-0.026	29	936	0	
50 Trichloroethene	95		5.809					
49 Methylcyclohexane	83		5.809					
51 2,4,4-Trimethyl-2-pentene	112		5.826					
52 Dibromomethane	93		6.146					
53 1,2-Dichloropropane	63		6.222					
54 Dichlorobromomethane	83		6.264					
55 Methyl methacrylate	69		6.374					
56 1,4-Dioxane	88		6.433					
57 n-Propyl acetate	43	6.492	6.483	0.009	80	1934	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.753					
$ 60 Toluene-d8 (Surr)	98	6.896	6.905	-0.009	84	479381	18.6	
61 Toluene	92		6.938					
63 4-Methyl-2-pentanone (MIBK)	43		7.225					
62 Tetrachloroethene	166		7.242					
64 trans-1,3-Dichloropropene	75		7.259					
65 Isobutyl acetate	43	7.301	7.309	-0.008	56	587	0	
66 1,1,2-Trichloroethane	83		7.385					
67 Chlorodibromomethane	129		7.520					
68 1,3-Dichloropropane	76		7.596					
69 Ethylene Dibromide	107		7.714					
70 n-Butyl acetate	43	7.773	7.773	0.0	78	1024	0	
71 2-Hexanone	43		7.857					
* 72 Chlorobenzene-d5	117	8.093	8.101	-0.008	90	352826	20.0	
73 Chlorobenzene	112		8.110					
74 Ethylbenzene	91		8.126					
75 1,1,1,2-Tetrachloroethane	131		8.160					
76 m-Xylene & p-Xylene	91		8.236					
77 o-Xylene	91		8.565					
78 Styrene	104		8.607					
79 Bromoform	173		8.641					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.809					
$ 82 4-Bromofluorobenzene	95	9.037	9.037	0.0	83	197037	20.2	
83 Bromobenzene	77		9.121					
84 N-Propylbenzene	91		9.129					
85 1,1,2,2-Tetrachloroethane	83		9.180					
86 2-Chlorotoluene	91		9.264					
87 1,3,5-Trimethylbenzene	105		9.281					
88 1,2,3-Trichloropropane	110		9.298					
89 trans-1,4-Dichloro-2-butene	53		9.323					
90 4-Chlorotoluene	91		9.391					
91 tert-Butylbenzene	119		9.534					
92 1,2,4-Trimethylbenzene	105		9.584					
93 sec-Butylbenzene	105		9.669					
94 4-Isopropyltoluene	119		9.778					
95 1,3-Dichlorobenzene	146		9.854					
* 96 1,4-Dichlorobenzene-d4	115	9.913	9.913	0.0	98	113368	20.0	
97 1,4-Dichlorobenzene	146		9.930					
98 n-Butylbenzene	91		10.132					
99 1,2-Dichlorobenzene	146		10.301					
100 1,2-Dibromo-3-Chloropropane	157		11.101					
101 1,3,5-Trichlorobenzene	180		11.135					
102 Hexachlorobutadiene	225		11.893					
103 1,2,4-Trichlorobenzene	180		11.935					
104 Naphthalene	128		12.424					
105 1,2,3-Trichlorobenzene	180		12.719					

Report Date: 13-Dec-2011 12:21:00 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55303.D
Injection Date: 12-Dec-2011 21:35:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-SO-SB200A-0406 Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 14
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 83953

SDG No.: 360-37847

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 360-83953/2	V55147.D
Level 2	STD1 360-83953/3	V55148.D
Level 3	STD5 360-83953/4	V55149.D
Level 4	STD10 360-83953/5	V55150.D
Level 5	STD20 360-83953/6	V55151.D
Level 6	STD40 360-83953/7	V55152.D
Level 7	STD160 360-83953/8	V55153.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	0.3961 0.4245	0.4289 0.5302	0.4796	0.4179	0.3942	Ave		0.4388				11.0		15.0			
Chloromethane	0.4960 0.5288	0.5315 0.6238	0.6269	0.5380	0.4958	Ave		0.5487			0.1000	10.0		15.0			
Vinyl chloride	0.4386 0.4303	0.4418 0.5029	0.5182	0.4380	0.4062	Ave		0.4537				9.0		15.0			
Bromomethane	0.3038 0.2615	0.3113 0.2510	0.3378	0.2830	0.2672	Ave		0.2879				11.0		15.0			
Chloroethane	0.2789 0.2200	0.2799 0.1902	0.3083	0.2512	0.2247	Lin	0.5249	0.1882							0.9980		0.9900
Trichlorofluoromethane	0.4526 0.4597	0.5014 0.4800	0.5490	0.4820	0.4400	Ave		0.4807				7.6		15.0			
1,1-Dichloroethene	0.3115 0.2734	0.2931 0.2811	0.3075	0.2839	0.2668	Ave		0.2882				5.8		15.0			
Carbon disulfide	0.8617 0.8242	0.8392 0.8237	0.9668	0.8589	0.8189	Ave		0.8562				6.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2053 0.1812	0.1850 0.2063	0.2006	0.1872	0.1810	Ave		0.1924				5.9		15.0			
Methylene Chloride	0.7797 0.3019	0.6241 0.3357	0.3714	0.3208	0.3082	Lin1	0.2306	0.3231							0.9970		0.9900
Acetone	1.3769 0.7640	1.0760 0.6706	0.7376	0.6399	0.7182	Lin2	3.5392	0.6838							0.9940		0.9900
trans-1,2-Dichloroethene	0.5029 0.4586	0.4686 0.4787	0.5395	0.4646	0.4516	Ave		0.4806				6.4		15.0			
Methyl acetate	0.0934 0.0981	0.0970 0.1085	0.0944	0.0894	0.0991	Ave		0.0971				6.2		15.0			
Methyl tert-butyl ether	0.5333 0.5582	0.5223 0.6572	0.5323	0.5104	0.5594	Ave		0.5533				8.9		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
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 83953

SDG No.: 360-37847

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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								
1,1-Dichloroethane	0.6166 0.5925	0.5946 0.6814	0.6479	0.5729	0.5649	Ave		0.6101			0.1000	6.9		15.0			
Acrylonitrile	0.0479 0.0495	0.0509 0.0582	0.0478	0.0424	0.0471	Ave		0.0491				9.8		15.0			
cis-1,2-Dichloroethene	0.4782 0.4446	0.4326 0.5226	0.4819	0.4330	0.4306	Ave		0.4605				7.6		15.0			
2,2-Dichloropropane	0.4706 0.3539	0.4203 0.3989	0.4301	0.3759	0.3839	Ave		0.4048				9.6		15.0			
Chloroform	0.5596 0.5245	0.5476 0.6007	0.5872	0.5298	0.5105	Ave		0.5514				6.0		15.0			
Carbon tetrachloride	0.3720 0.3343	0.3576 0.4059	0.3675	0.3246	0.3411	Ave		0.3576				7.7		15.0			
Tetrahydrofuran	0.0460 0.0366	0.0355 0.0440	0.0359	0.0335	0.0361	Ave		0.0382				12.0		15.0			
1,1,1-Trichloroethane	0.4636 0.4231	0.4313 0.5111	0.4606	0.4181	0.4163	Ave		0.4463				7.7		15.0			
2-Butanone (MEK)	1.2613 1.2596	1.3044 1.1281	1.1907	1.0895	1.1005	Ave		1.1906				7.3		15.0			
1,1-Dichloropropene	0.3760 0.4041	0.3738 0.4446	0.4312	0.3932	0.3849	Ave		0.4011				6.8		15.0			
Benzene	1.1565 1.1119	1.0668 1.2185	1.2175	1.0917	1.0879	Ave		1.1358				5.5		15.0			
1,2-Dichloroethane	0.2766 0.2800	0.2527 0.3676	0.2648	0.2447	0.2685	Ave		0.2793				15.0		15.0			
Methylcyclohexane	0.4986 0.4653	0.5269 0.4493	0.5987	0.5099	0.4787	Ave		0.5039				9.8		15.0			
Trichloroethene	0.3754 0.2928	0.3233 0.2839	0.3550	0.3089	0.3058	Ave		0.3207				10.0		15.0			
Dibromomethane	0.1313 0.1354	0.1099 0.1709	0.1276	0.1181	0.1301	Ave		0.1319				15.0		15.0			
1,2-Dichloropropane	0.2950 0.2396	0.2603 0.2094	0.2802	0.2481	0.2461	Ave		0.2541				11.0		15.0			
Dichlorobromomethane	0.3381 0.3419	0.2911 0.4333	0.3403	0.3057	0.3288	Ave		0.3399				13.0		15.0			
cis-1,3-Dichloropropene	0.3684 0.4117	0.3211 0.5075	0.3788	0.3456	0.3840	Ave		0.3882				15.0		15.0			
Toluene	0.7381 0.6941	0.6360 0.7596	0.7464	0.6628	0.6763	Ave		0.7019				6.7		15.0			
4-Methyl-2-pentanone (MIBK)	2.2127 2.4728	2.4193 1.7794	2.6534	2.3977	2.4595	Ave		2.3421				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
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 83953

SDG No.: 360-37847

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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								
Tetrachloroethene	0.2775 0.2585	0.2578 0.2667	0.2948	0.2638	0.2646	Ave		0.2691				4.9		15.0			
trans-1,3-Dichloropropene	0.2535 0.2669	0.2205 0.3318	0.2566	0.2284	0.2590	Ave		0.2595				14.0		15.0			
1,1,2-Trichloroethane	0.1223 0.1288	0.1168 0.1633	0.1225	0.1090	0.1261	Ave		0.1270				14.0		15.0			
Chlorodibromomethane	0.1772 0.2035	0.1511 0.2696	0.1753	0.1674	0.1926	Lin	-0.916	0.2720							0.9960		0.9900
1,3-Dichloropropane	0.2538 0.2771	0.2152 0.3677	0.2482	0.2279	0.2618	Lin	-1.245	0.3710							0.9960		0.9900
Ethylene Dibromide	0.1286 0.1557	0.1195 0.2135	0.1356	0.1263	0.1504	Lin	-0.777	0.2155							0.9950		0.9900
2-Hexanone	1.4846 1.6594	1.6674 1.4770	1.5341	1.4106	1.5644	Ave		1.5425				6.2		15.0			
Chlorobenzene	1.0200 0.9396	0.9979 0.8208	1.1398	0.9932	0.9734	Ave		0.9835			0.3000	9.7		15.0			
Ethylbenzene	2.0149 1.6765	1.9689 1.3615	2.1982	1.9095	1.7880	Ave		1.8454				15.0		15.0			
1,1,1,2-Tetrachloroethane	0.3500 0.3521	0.3613 0.3504	0.4106	0.3660	0.3612	Ave		0.3645				5.8		15.0			
m-Xylene & p-Xylene	1.4910 1.2714	1.4722 1.0142	1.7135	1.4893	1.3805	Lin	8.5241	1.0004							0.9950		0.9900
o-Xylene	1.6238 1.4776	1.6079 1.2639	1.8294	1.6395	1.5613	Ave		1.5719				11.0		15.0			
Styrene	1.0909 1.1185	1.1302 0.9852	1.2759	1.1633	1.1580	Ave		1.1317				7.7		15.0			
Bromoform	0.4394 0.5350	0.3989 0.6715	0.4792	0.4641	0.5215	Lin	-1.864	0.6764			0.1000				0.9970		0.9900
Isopropylbenzene	1.9314 1.8562	1.9509 1.5874	2.2869	2.0877	1.9560	Ave		1.9509				11.0		15.0			
Bromobenzene	0.7287 0.6591	0.7238 0.5368	0.8486	0.7486	0.7198	Ave		0.7093				13.0		15.0			
N-Propylbenzene	2.3822 2.0327	2.3973 1.5395	2.7737	2.4534	2.2560	Lin	8.1123	1.5135							0.9930		0.9900
1,1,2,2-Tetrachloroethane	0.7712 0.8950	0.7878 0.9967	0.8498	0.8072	0.8628	Ave		0.8529			0.3000	9.0		15.0			
2-Chlorotoluene	1.6327 1.3817	1.6286 1.0896	1.8511	1.6346	1.5057	Lin	4.8234	1.0740							0.9950		0.9900
1,3,5-Trimethylbenzene	1.6034 1.4128	1.6221 1.0988	1.9111	1.6984	1.5555	Lin	5.2167	1.0819							0.9940		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
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 83953

SDG No.: 360-37847

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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-Trichloropropane	0.0826 0.0689	0.0675 0.0659	0.0775	0.0653	0.0696	Ave		0.0710				9.2		15.0			
trans-1,4-Dichloro-2-butene	0.0745 0.0431	0.0638 0.0334	0.0611	0.0612	0.0639	Qua	0.0813	0.0491	0						0.9950		0.9900
4-Chlorotoluene	1.4801 1.3736	1.4706 1.1639	1.6443	1.5143	1.4423	Ave		1.4413				10.0		15.0			
tert-Butylbenzene	1.3153 1.2458	1.3128 1.0462	1.5516	1.4253	1.3277	Ave		1.3178				12.0		15.0			
1,2,4-Trimethylbenzene	2.2329 1.4766	1.7054 1.2321	2.6314	2.3764	1.5981	Lin	6.1506	1.2044							0.9960		0.9900
sec-Butylbenzene	2.2345 1.9965	2.2257 1.6254	2.6353	2.3831	2.1738	Ave		2.1820				14.0		15.0			
4-Isopropyltoluene	1.6452 1.5378	1.6891 1.2653	1.9776	1.7914	1.6752	Ave		1.6545				13.0		15.0			
1,3-Dichlorobenzene	0.8906 0.7882	0.9009 0.6726	0.9935	0.8918	0.8526	Ave		0.8558				12.0		15.0			
1,4-Dichlorobenzene	2.6755 2.5865	2.6036 2.5599	3.0740	2.7405	2.7235	Ave		2.7091				6.5		15.0			
n-Butylbenzene	5.4159 5.3956	5.4101 4.6703	6.5984	6.1801	5.7477	Ave		5.6312				11.0		15.0			
1,2-Dichlorobenzene	2.3287 2.3706	2.3172 2.3201	2.6528	2.4907	2.4720	Ave		2.4217				5.1		15.0			
1,2-Dibromo-3-Chloropropane	0.1424 0.1485	0.1159 0.1722	0.1261	0.1263	0.1463	Ave		0.1397				13.0		15.0			
Hexachlorobutadiene	0.8693 0.9804	0.8741 0.9748	1.0583	1.0121	0.9872	Ave		0.9652				7.2		15.0			
1,2,4-Trichlorobenzene	1.3016 1.4471	1.2698 1.5445	1.5150	1.4464	1.5087	Ave		1.4333				7.5		15.0			
Naphthalene	1.8440 2.2137	1.7088 2.5132	1.8758	1.9410	2.2076	Ave		2.0435				14.0		15.0			
1,2,3-Trichlorobenzene	0.9086 1.1733	0.9506 1.2993	1.1316	1.1082	1.1884	Ave		1.1086				12.0		15.0			
Dibromofluoromethane	0.2514 0.2376	0.2397 0.2631	0.2316	0.2321	0.2318	Ave		0.2411				5.0		15.0			
Toluene-d8 (Surr)	0.8828 1.0135	0.8585 1.3161	0.8934	0.8961	0.9448	Ave		0.9722				16.0	*	15.0			
4-Bromofluorobenzene	0.5546 0.5498	0.5517 0.5889	0.5352	0.5359	0.5449	Ave		0.5516				3.3		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
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 83953

SDG No.: 360-37847

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 360-83953/2	V55147.D
Level 2	STD1 360-83953/3	V55148.D
Level 3	STD5 360-83953/4	V55149.D
Level 4	STD10 360-83953/5	V55150.D
Level 5	STD20 360-83953/6	V55151.D
Level 6	STD40 360-83953/7	V55152.D
Level 7	STD160 360-83953/8	V55153.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	Ave	8107 548125	14789 2039075	79779	137662	259571	0.500 40.0	1.00 160	5.00	10.0	20.0
Chloromethane	FB	Ave	10153 682828	18327 2398826	104290	177246	326495	0.500 40.0	1.00 160	5.00	10.0	20.0
Vinyl chloride	FB	Ave	8977 555687	15233 1934020	86199	144303	267486	0.500 40.0	1.00 160	5.00	10.0	20.0
Bromomethane	FB	Ave	6218 337694	10733 965252	56196	93234	175955	0.500 40.0	1.00 160	5.00	10.0	20.0
Chloroethane	FB	Lin	5709 284049	9650 731258	51287	82759	147942	0.500 40.0	1.00 160	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	9263 593594	17290 1845975	91329	158778	289705	0.500 40.0	1.00 160	5.00	10.0	20.0
1,1-Dichloroethene	FB	Ave	6375 353046	10105 1081100	51154	93517	175706	0.500 40.0	1.00 160	5.00	10.0	20.0
Carbon disulfide	FB	Ave	17637 1064297	28935 3167767	160822	282941	539252	0.500 40.0	1.00 160	5.00	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	4203 233987	6378 793162	33362	61673	119208	0.500 40.0	1.00 160	5.00	10.0	20.0
Methylene Chloride	FB	Lin1	15959 389866	21519 1291127	61774	105683	202914	0.500 40.0	1.00 160	5.00	10.0	20.0
Acetone	12DC E	Lin2	14318 475284	16776 1552956	54171	94620	222353	5.00 400	10.0 1600	50.0	100	200
trans-1,2-Dichloroethene	FB	Ave	10294 592247	16156 1840768	89743	153052	297350	0.500 40.0	1.00 160	5.00	10.0	20.0
Methyl acetate	FB	Ave	19109 1266735	33442 4170868	157014	294487	652479	5.00 400	10.0 1600	50.0	100	200
Methyl tert-butyl ether	FB	Ave	10915 720808	18009 2527359	88540	168150	368388	0.500 40.0	1.00 160	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	12620 765079	20501 2620436	107781	188736	371953	0.500 40.0	1.00 160	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 83953

SDG No.: 360-37847

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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
Acrylonitrile	FB	Ave	981 63885	1755 223832	7946	13960	30992	0.500 40.0	1.00 160	5.00	10.0	20.0
cis-1,2-Dichloroethene	FB	Ave	9787 574113	14917 2009554	80170	142631	283557	0.500 40.0	1.00 160	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	9632 456966	14491 1534015	71546	123832	252820	0.500 40.0	1.00 160	5.00	10.0	20.0
Chloroform	FB	Ave	11453 677292	18880 2310165	97680	174532	336177	0.500 40.0	1.00 160	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	7615 431690	12331 1560872	61139	106931	224612	0.500 40.0	1.00 160	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	9416 472336	12232 1692351	59669	110382	237474	5.00 400	10.0 1600	50.0	100	200
1,1,1-Trichloroethane	FB	Ave	9489 546311	14870 1965292	76626	137738	274117	0.500 40.0	1.00 160	5.00	10.0	20.0
2-Butanone (MEK)	12DCE	Ave	13116 783592	20337 2612281	87445	161103	340740	5.00 400	10.0 1600	50.0	100	200
1,1-Dichloropropene	FB	Ave	7695 521876	12888 1709909	71727	129518	253434	0.500 40.0	1.00 160	5.00	10.0	20.0
Benzene	FB	Ave	23672 1435822	36784 4685680	202526	359647	716359	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	5662 361568	8712 1413480	44050	80619	176788	0.500 40.0	1.00 160	5.00	10.0	20.0
Methylcyclohexane	FB	Ave	10205 600837	18169 1727872	99590	167994	315203	0.500 40.0	1.00 160	5.00	10.0	20.0
Trichloroethene	FB	Ave	7684 378047	11149 1091835	59049	101761	201379	0.500 40.0	1.00 160	5.00	10.0	20.0
Dibromomethane	FB	Ave	2688 174837	3790 657249	21231	38900	85670	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	6039 309402	8976 805186	46609	81737	162070	0.500 40.0	1.00 160	5.00	10.0	20.0
Dichlorobromomethane	FB	Ave	6921 441476	10037 1666358	56601	100710	216484	0.500 40.0	1.00 160	5.00	10.0	20.0
cis-1,3-Dichloropropene	FB	Ave	7541 531697	11072 1951772	63015	113848	252830	0.500 40.0	1.00 160	5.00	10.0	20.0
Toluene	FB	Ave	15108 896345	21929 2920969	124162	218340	445339	0.500 40.0	1.00 160	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	12DCE	Ave	23010 1538299	37719 4120602	194860	354564	761485	5.00 400	10.0 1600	50.0	100	200
Tetrachloroethene	FB	Ave	5680 333774	8889 1025536	49039	86891	174221	0.500 40.0	1.00 160	5.00	10.0	20.0
trans-1,3-Dichloropropene	FB	Ave	5188 344719	7602 1276012	42690	75229	170536	0.500 40.0	1.00 160	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 83953

SDG No.: 360-37847

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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
1,1,2-Trichloroethane	FB	Ave	2504 166320	4026 627971	20370	35918	83040	0.500 40.0	1.00 160	5.00	10.0	20.0
Chlorodibromomethane	FB	Lin	3627 262850	5209 1036588	29165	55159	126808	0.500 40.0	1.00 160	5.00	10.0	20.0
1,3-Dichloropropane	FB	Lin	5195 357846	7421 1414153	41290	75084	172380	0.500 40.0	1.00 160	5.00	10.0	20.0
Ethylene Dibromide	FB	Lin	2632 201085	4119 820920	22565	41600	99039	0.500 40.0	1.00 160	5.00	10.0	20.0
2-Hexanone	12DCE	Ave	15438 1032292	25997 3420228	112664	208587	484356	5.00 400	10.0 1600	50.0	100	200
Chlorobenzene	CBZ	Ave	14045 833878	21397 2507876	118086	203799	429826	0.500 40.0	1.00 160	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	27745 1487829	42217 4159930	227741	391841	789518	0.500 40.0	1.00 160	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	4819 312446	7748 1070719	42536	75094	159500	0.500 40.0	1.00 160	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Lin	41061 2256678	63135 6198077	355039	611206	1219190	1.00 80.0	2.00 320	10.0	20.0	40.0
o-Xylene	CBZ	Ave	22360 1311272	34478 3861926	189534	336428	689452	0.500 40.0	1.00 160	5.00	10.0	20.0
Styrene	CBZ	Ave	15022 992643	24235 3010229	132186	238707	511329	0.500 40.0	1.00 160	5.00	10.0	20.0
Bromoform	DCB	Lin	1941 138359	2831 536897	15653	29539	70068	0.500 40.0	1.00 160	5.00	10.0	20.0
Isopropylbenzene	CBZ	Ave	26595 1647316	41831 4850336	236929	428394	863717	0.500 40.0	1.00 160	5.00	10.0	20.0
Bromobenzene	CBZ	Ave	10034 584913	15519 1640079	87915	153617	317854	0.500 40.0	1.00 160	5.00	10.0	20.0
N-Propylbenzene	CBZ	Lin	32802 1803946	51404 4703920	287359	503445	996204	0.500 40.0	1.00 160	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	3407 231466	5592 796889	27755	51375	115917	0.500 40.0	1.00 160	5.00	10.0	20.0
2-Chlorotoluene	CBZ	Lin	22482 1226160	34920 3329280	191779	335423	664878	0.500 40.0	1.00 160	5.00	10.0	20.0
1,3,5-Trimethylbenzene	CBZ	Lin	22078 1253812	34782 3357357	197991	348505	686848	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2,3-Trichloropropane	CBZ	Ave	1137 61115	1447 201266	8032	13391	30730	0.500 40.0	1.00 160	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	CBZ	Qua	1026 38223	1368 102128	6330	12563	28234	0.500 40.0	1.00 160	5.00	10.0	20.0
4-Chlorotoluene	CBZ	Ave	20380 1218970	31534 3556224	170349	310727	636863	0.500 40.0	1.00 160	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 83953

SDG No.: 360-37847

Instrument ID: HP #1 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) Y

Calibration Start Date: 11/28/2011 17:05 Calibration End Date: 11/28/2011 19:38 Calibration ID: 16512

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
tert-Butylbenzene	CBZ	Ave	18112 1105616	28150 3196797	160753	292464	586265	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2,4-Trimethylbenzene	CBZ	Lin	30747 1310415	36568 3764708	272622	487651	705660	0.500 40.0	1.00 160	5.00	10.0	20.0
sec-Butylbenzene	CBZ	Ave	30768 1771796	47724 4966512	273024	489022	959886	0.500 40.0	1.00 160	5.00	10.0	20.0
4-Isopropyltoluene	CBZ	Ave	22654 1364727	36219 3866013	204883	367596	739732	0.500 40.0	1.00 160	5.00	10.0	20.0
1,3-Dichlorobenzene	CBZ	Ave	12263 699523	19318 2055185	102926	182998	376508	0.500 40.0	1.00 160	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	11819 668906	18480 2046697	100404	174420	365912	0.500 40.0	1.00 160	5.00	10.0	20.0
n-Butylbenzene	DCB	Ave	23925 1395366	38400 3734008	215519	393331	772231	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	10287 613061	16447 1854945	86645	158522	332121	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	629 38393	823 137701	4120	8038	19661	0.500 40.0	1.00 160	5.00	10.0	20.0
Hexachlorobutadiene	DCB	Ave	3840 253546	6204 779353	34566	64414	132631	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	5750 374244	9013 1234863	49483	92059	202695	0.500 40.0	1.00 160	5.00	10.0	20.0
Naphthalene	DCB	Ave	8146 572491	12129 2009403	61267	123533	296603	0.500 40.0	1.00 160	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	4014 303429	6747 1038866	36962	70534	159667	0.500 40.0	1.00 160	5.00	10.0	20.0
Dibromofluoromethane	FB	Ave	205791 153429	165275 126478	154131	152942	152667	20.0 20.0	20.0 20.0	20.0	20.0	20.0
Toluene-d8 (Surr)	FB	Ave	722807 654363	592021 632644	594493	590442	622157	20.0 20.0	20.0 20.0	20.0	20.0	20.0
4-Bromofluorobenzene	CBZ	Ave	305466 243959	236591 224905	221796	219948	240623	20.0 20.0	20.0 20.0	20.0	20.0	20.0

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\20111129-7280.b\V55147.D
Lims ID: STD05 Client ID:
Inject. Date: 28-Nov-2011 17:05:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD05
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 83953 Lims Sample ID: 2
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 14:21:29 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 29-Nov-2011 09:08:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.719	1.747	-0.028	0	8107	0.4514	M
2 Chloromethane	50	1.862	1.865	-0.003	88	10153	0.4520	
3 Vinyl chloride	62	1.972	1.975	-0.003	58	8977	0.4833	
4 Bromomethane	94	2.283	2.295	-0.012	79	6218	0.5275	
5 Chloroethane	64	2.401	2.396	0.005	0	5709	-2.05	M
6 Trichlorofluoromethane	101	2.502	2.506	-0.004	70	9263	0.4708	
7 Dichlorofluoromethane	67	2.595	2.607	-0.012	56	12230	0	
8 Ethyl ether	59	2.789	2.792	-0.003	89	3781	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.974	2.978	-0.004	57	5189	0	
9 1,1-Dichloroethene	96	2.983	2.986	-0.003	87	6375	0.5404	
11 Ethanol	45	2.974	3.003	-0.029	13	1277	0	
10 Carbon disulfide	76	3.008	3.011	-0.003	96	17637	0.5032	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.076	3.070	0.006	31	4203	0.5337	
14 Acrolein	56	3.295	3.289	0.006	93	23281	0	
15 Isopropyl alcohol	45	3.472	3.466	0.006	93	12478	0	
16 Methylene Chloride	84	3.514	3.509	0.006	86	15959	0.4928	
17 Acetone	43	3.556	3.559	-0.003	88	14318	4.89	
18 trans-1,2-Dichloroethene	61	3.657	3.652	0.005	84	10294	0.5232	
19 Methyl acetate	43	3.657	3.660	-0.003	96	19109	4.81	
20 Hexane	57	3.724	3.719	0.005	68	12128	0	
21 Methyl tert-butyl ether	73	3.750	3.744	0.006	55	10915	0.4819	
22 2-Methyl-2-propanol	59	3.851	3.837	0.014	8	4133	0	
23 Isopropyl ether	45	4.070	4.073	-0.003	98	20862	0	
24 1,1-Dichloroethane	63	4.196	4.191	0.005	82	12620	0.5053	
125 Halothane	117	4.230	4.233	-0.003	80	4390	0	
25 Acrylonitrile	53	4.247	4.242	0.005	50	981	0.4881	
26 Tert-butyl ethyl ether	59	4.390	4.385	0.005	42	16462	0	
27 Vinyl acetate	43	4.399	4.393	0.006	97	60235	0	
28 cis-1,2-Dichloroethene	61	4.651	4.646	0.005	80	9787	0.5192	
29 2,2-Dichloropropane	77	4.752	4.747	0.005	70	9632	0.5813	

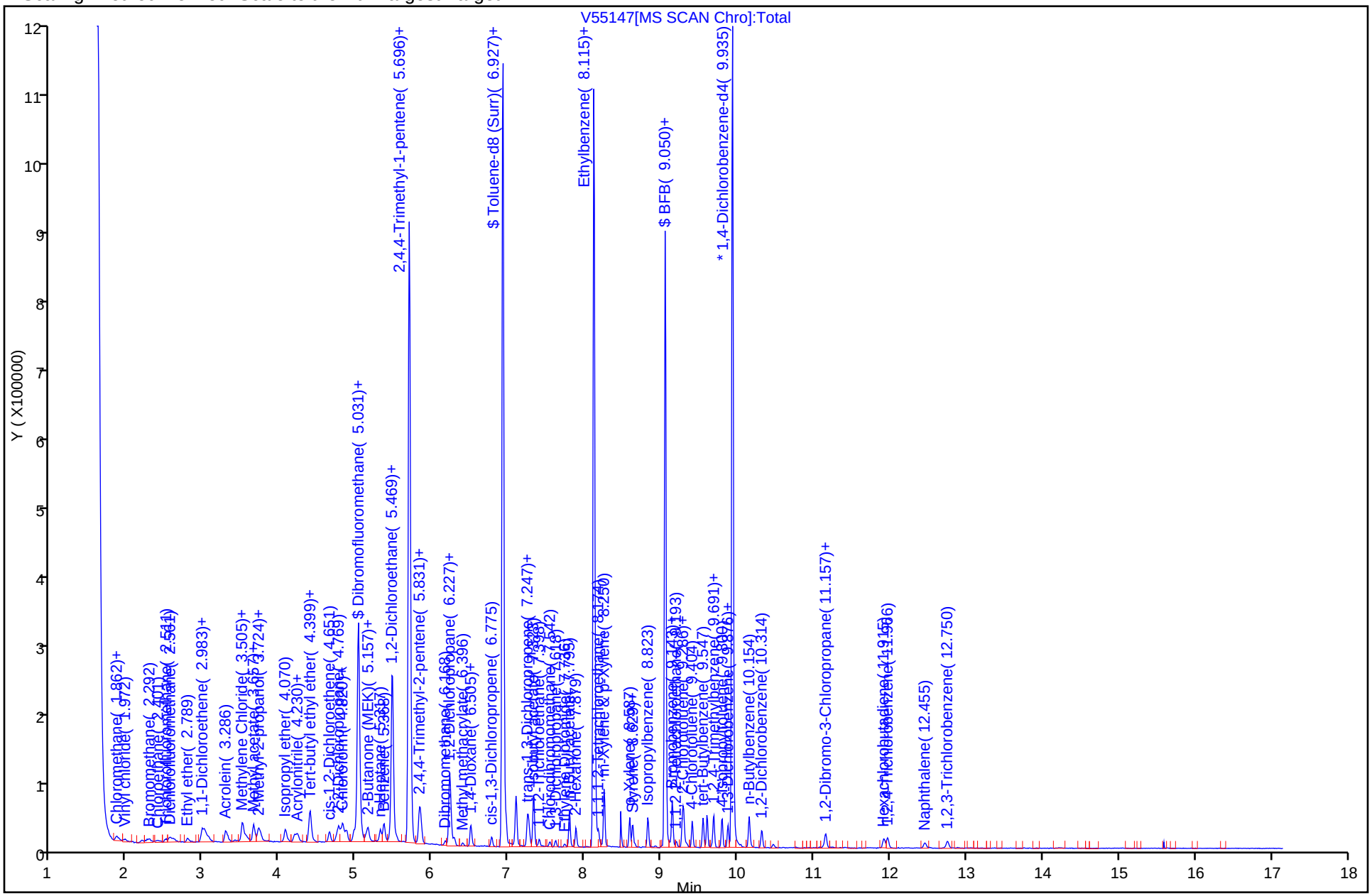
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.820	4.823	-0.003	56	3196	0	
30 Cyclohexane	56	4.828	4.832	-0.004	86	10379	0	
32 Chloroform	83	4.879	4.874	0.005	64	11453	0.5074	
34 Ethyl acetate	43	4.972	4.966	0.006	98	23252	0	
36 sec-Butyl Alcohol	45	4.997	5.000	-0.003	55	11199	0	
33 Carbon tetrachloride	117	5.005	5.000	0.005	0	7615	0.5202	M
35 Tetrahydrofuran	42	5.014	5.008	0.006	37	9416	6.02	
$ 37 Dibromofluoromethane	113	5.031	5.022	0.009	70	205791	20.9	
38 1,1,1-Trichloroethane	97	5.064	5.059	0.005	52	9489	0.5194	
39 2-Butanone (MEK)	43	5.132	5.135	-0.003	99	13116	5.30	
40 1,1-Dichloropropene	75	5.157	5.160	-0.003	85	7695	0.4686	
41 n-Heptane	43	5.317	5.320	-0.003	89	8006	0	
42 Benzene	78	5.368	5.362	0.006	95	23672	0.5091	
43 Tert-amyl methyl ether	73	5.443	5.447	-0.004	96	12203	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.477	5.469	0.008	0	41596	20.0	
45 1,2-Dichloroethane	62	5.528	5.531	-0.003	19	5662	0.4953	
* 46 Fluorobenzene	96	5.696	5.688	0.008	99	818723	20.0	
48 Isopropyl acetate	43	5.705	5.708	-0.003	39	44513	0	
47 2,4,4-Trimethyl-1-pentene	55	5.722	5.725	-0.003	45	5565	0	
50 Trichloroethene	95	5.831	5.826	0.005	54	7684	0.5852	
49 Methylcyclohexane	83	5.831	5.826	0.005	88	10205	0.4947	
51 2,4,4-Trimethyl-2-pentene	112	5.848	5.851	-0.003	89	3293	0	
52 Dibromomethane	93	6.168	6.171	-0.003	71	2688	0.4978	
53 1,2-Dichloropropane	63	6.244	6.247	-0.003	60	6039	0.5805	
54 Dichlorobromomethane	83	6.286	6.289	-0.003	86	6921	0.4974	
55 Methyl methacrylate	69	6.396	6.399	-0.003	84	2137	0	
56 1,4-Dioxane	88	6.455	6.449	0.006	22	211	0	
57 n-Propyl acetate	43	6.505	6.500	0.005	98	29716	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.775	6.778	-0.003	84	7541	0.4746	
$ 60 Toluene-d8 (Surr)	98	6.927	6.918	0.009	83	722807	18.2	
61 Toluene	92	6.969	6.964	0.005	90	15108	0.5258	
63 4-Methyl-2-pentanone (MIBK)	43	7.247	7.242	0.005	95	23010	4.72	
62 Tetrachloroethene	166	7.264	7.258	0.006	88	5680	0.5156	
64 trans-1,3-Dichloropropene	75	7.272	7.275	-0.003	84	5188	0.4883	
65 Isobutyl acetate	43	7.323	7.326	-0.003	95	61840	0	
66 1,1,2-Trichloroethane	83	7.407	7.402	0.005	78	2504	0.4818	
67 Chlorodibromomethane	129	7.542	7.537	0.005	72	3627	3.69	
68 1,3-Dichloropropane	76	7.618	7.612	0.006	79	5195	3.70	
69 Ethylene Dibromide	107	7.736	7.730	0.006	78	2632	3.91	
70 n-Butyl acetate	43	7.795	7.798	-0.003	98	34312	0	
71 2-Hexanone	43	7.879	7.882	-0.003	94	15438	4.81	
* 72 Chlorobenzene-d5	117	8.115	8.115	0.0	85	550791	20.0	
73 Chlorobenzene	112	8.132	8.126	0.006	42	14045	0.5185	
74 Ethylbenzene	91	8.140	8.143	-0.003	73	27745	0.5459	
75 1,1,1,2-Tetrachloroethane	131	8.174	8.177	-0.003	27	4819	0.4801	
76 m-Xylene & p-Xylene	91	8.250	8.253	-0.003	98	41061	-7.03	
77 o-Xylene	91	8.587	8.581	0.006	96	22360	0.5165	
78 Styrene	104	8.629	8.624	0.005	89	15022	0.4820	
79 Bromoform	173	8.654	8.657	-0.003	66	1941	3.08	
80 Isopropylbenzene	105	8.823	8.826	-0.003	93	26595	0.4950	
$ 82 4-Bromofluorobenzene	95	9.050	9.050	0.0	83	305466	20.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	9.050	9.053	-0.003	0	305466	0	
83 Bromobenzene	77	9.143	9.138	0.005	38	10034	0.5137	
84 N-Propylbenzene	91	9.143	9.146	-0.003	94	32802	-4.57	
85 1,1,2,2-Tetrachloroethane	83	9.202	9.197	0.005	51	3407	0.4521	
86 2-Chlorotoluene	91	9.278	9.272	0.006	95	22482	-3.73	
87 1,3,5-Trimethylbenzene	105	9.295	9.289	0.006	92	22078	-4.08	
88 1,2,3-Trichloropropane	110	9.311	9.315	-0.004	1	1137	0.5813	
89 trans-1,4-Dichloro-2-butene	53	9.337	9.331	0.006	1	1026	-0.8969	
90 4-Chlorotoluene	91	9.404	9.407	-0.003	92	20380	0.5135	
91 tert-Butylbenzene	119	9.547	9.551	-0.004	88	18112	0.4991	
92 1,2,4-Trimethylbenzene	105	9.691	9.601	0.090	65	30747	-4.18	
93 sec-Butylbenzene	105	9.691	9.685	0.006	93	30768	0.5120	
94 4-Isopropyltoluene	119	9.800	9.795	0.005	94	22654	0.4972	
95 1,3-Dichlorobenzene	146	9.876	9.871	0.005	96	12263	0.5203	
* 96 1,4-Dichlorobenzene-d4	115	9.935	9.935	0.0	95	176702	20.0	
97 1,4-Dichlorobenzene	146	9.952	9.947	0.005	39	11819	0.4938	
98 n-Butylbenzene	91	10.154	10.149	0.005	93	23925	0.4809	
99 1,2-Dichlorobenzene	146	10.323	10.317	0.006	94	10287	0.4808	
100 1,2-Dibromo-3-Chloropropane	157	11.123	11.118	0.005	22	629	0.5097	
101 1,3,5-Trichlorobenzene	180	11.157	11.152	0.005	93	7025	0	
102 Hexachlorobutadiene	225	11.924	11.918	0.006	70	3840	0.4503	
103 1,2,4-Trichlorobenzene	180	11.966	11.969	-0.003	81	5750	0.4541	
104 Naphthalene	128	12.463	12.458	0.005	82	8146	0.4512	
105 1,2,3-Trichlorobenzene	180	12.750	12.753	-0.003	78	4014	0.4098	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Nov-2011 14:21:30 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55147.D
Injection Date: 28-Nov-2011 17:05:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 83953 Lims Sample ID: 2
Operator ID: bw
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 30-Nov-2011 14:21:30 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55147.D

Injection Date: 28-Nov-2011 17:05:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 2

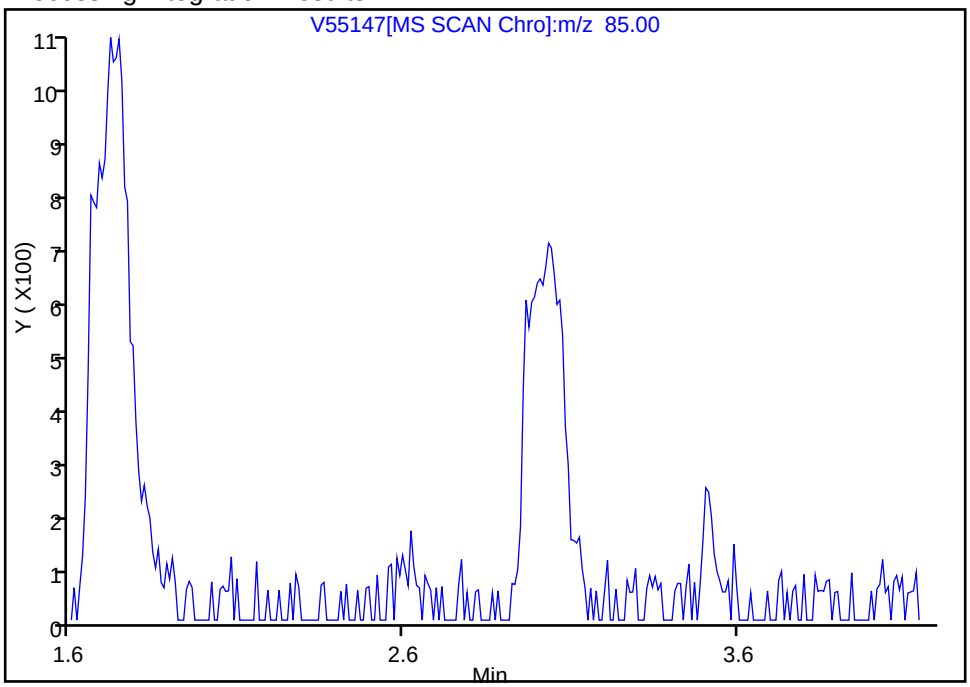
Operator ID: bw

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

Not Detected

Expected RT: 1.75

Processing Integration Results

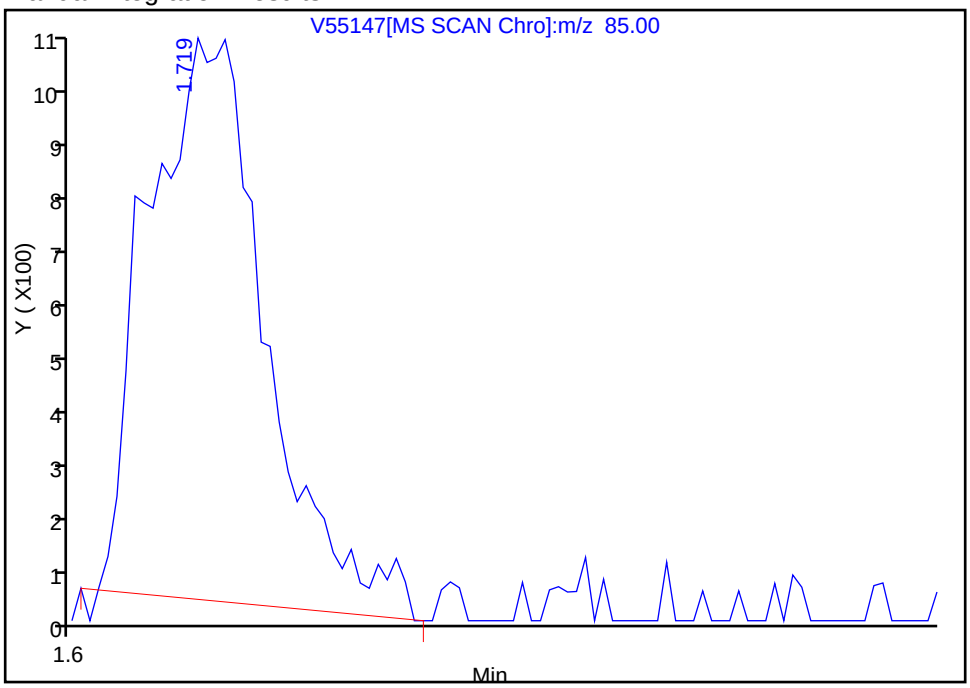


Manual Integration Results

RT: 1.72

Response: 8107

Amount: 0.451360



Reviewer: weigelb, 29-Nov-2011 09:08:32

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 30-Nov-2011 14:21:30 Chrom Revision: 2.0 29-Sep-2011 09:38:02

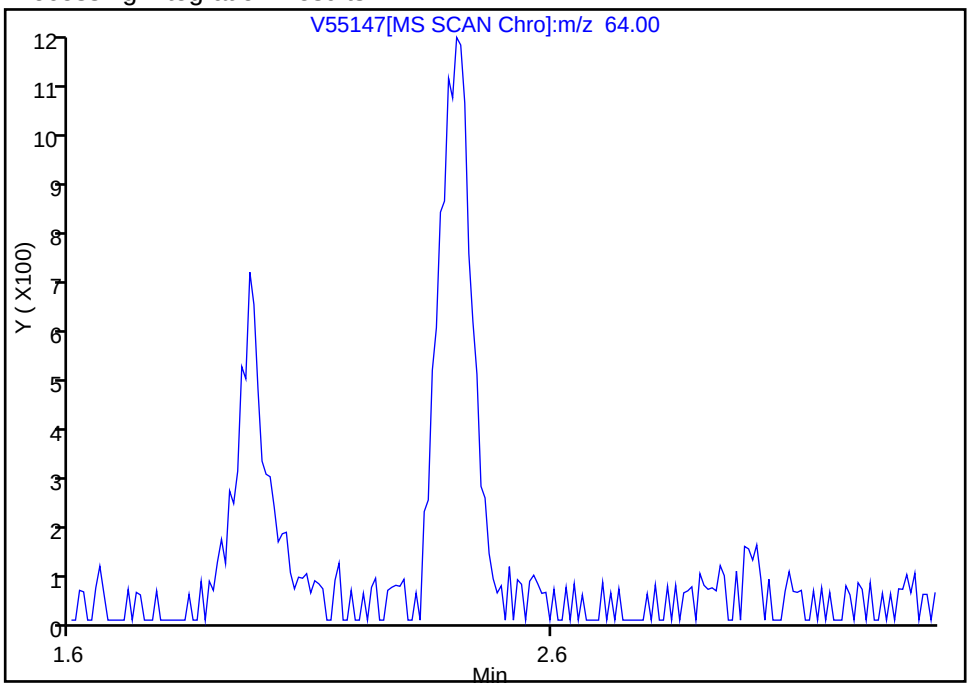
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55147.D		
Injection Date:	28-Nov-2011 17:05:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:		Instrument ID:	HP #1 GC/MS
Lims Batch ID:	83953	Lims Sample ID:	2
Operator ID:	bw		

5 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.40

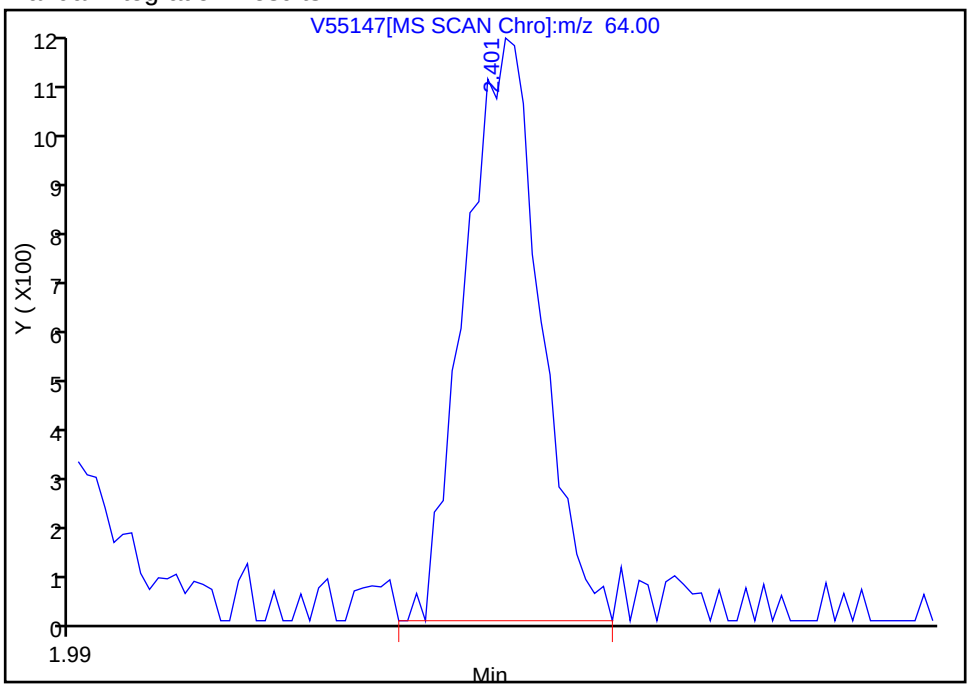
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.40
Response: 5709
Amount: -2.047530



Reviewer: weigelb, 29-Nov-2011 09:08:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 30-Nov-2011 14:21:30 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55147.D

Injection Date: 28-Nov-2011 17:05:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 2

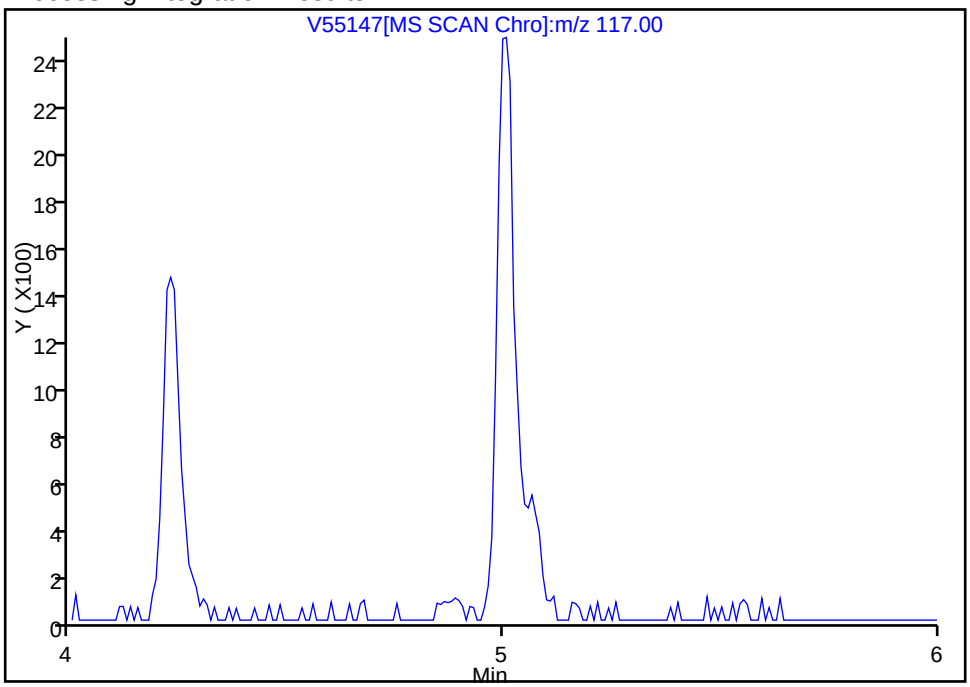
Operator ID: bw

33 Carbon tetrachloride, Signal: 1, m/z: 117.0 Type: quant, RT: 5.00

Processing Integration Results

Not Detected

Expected RT: 5.00

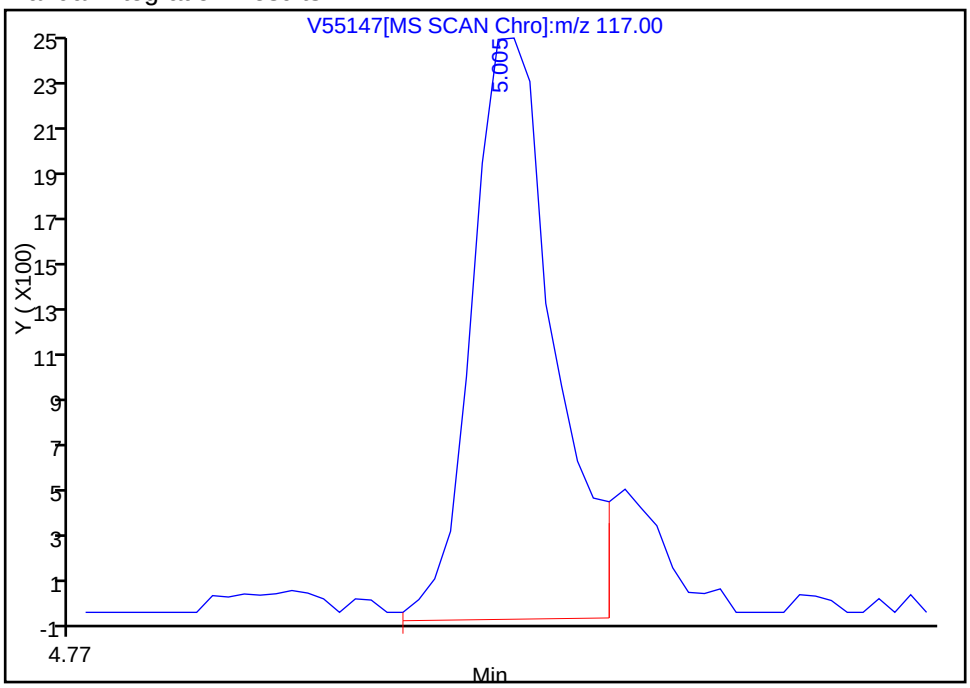


Manual Integration Results

RT: 5.01

Response: 7615

Amount: 0.520221



Reviewer: weigelb, 29-Nov-2011 09:08:32

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55148.D
Lims ID: STD1 Client ID:
Inject. Date: 28-Nov-2011 17:30:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD1
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 83953 Lims Sample ID: 3
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 14:21:31 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 29-Nov-2011 09:06:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.688	1.747	-0.059	0	14789	0.9775	M
2 Chloromethane	50	1.857	1.865	-0.008	97	18327	0.9687	
3 Vinyl chloride	62	1.958	1.975	-0.017	60	15233	0.9737	
4 Bromomethane	94	2.278	2.295	-0.017	92	10733	1.08	
5 Chloroethane	64	2.413	2.396	0.017	90	9650	-1.30	
6 Trichlorofluoromethane	101	2.497	2.506	-0.009	73	17290	1.04	
7 Dichlorofluoromethane	67	2.548	2.607	-0.059	78	5770	0	
8 Ethyl ether	59	2.784	2.792	-0.008	93	7161	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.978	2.978	0.0	67	8973	0	
9 1,1-Dichloroethene	96	2.978	2.986	-0.008	98	10105	1.02	
11 Ethanol	45	3.020	3.003	0.017	20	1798	0	
10 Carbon disulfide	76	3.011	3.011	0.0	99	28935	0.9801	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.053	3.070	-0.017	38	6378	0.9616	
14 Acrolein	56	3.298	3.289	0.009	97	39046	0	
15 Isopropyl alcohol	45	3.458	3.466	-0.008	85	15022	0	
16 Methylene Chloride	84	3.508	3.509	0.0	95	21519	1.22	
17 Acetone	43	3.551	3.559	-0.008	93	16776	10.6	
18 trans-1,2-Dichloroethene	61	3.652	3.652	0.0	94	16156	0.9749	
19 Methyl acetate	43	3.660	3.660	0.0	97	33442	9.99	
20 Hexane	57	3.719	3.719	0.0	69	19737	0	
21 Methyl tert-butyl ether	73	3.744	3.744	0.0	56	18009	0.9440	
22 2-Methyl-2-propanol	59	3.846	3.837	0.009	12	5192	0	
23 Isopropyl ether	45	4.073	4.073	0.0	97	33851	0	
24 1,1-Dichloroethane	63	4.191	4.191	0.0	82	20501	0.9745	
125 Halothane	117	4.225	4.233	-0.008	86	8089	0	
25 Acrylonitrile	53	4.233	4.242	-0.009	19	1755	1.04	
26 Tert-butyl ethyl ether	59	4.385	4.385	0.0	50	27883	0	
27 Vinyl acetate	43	4.402	4.393	0.009	97	91632	0	
28 cis-1,2-Dichloroethene	61	4.646	4.646	0.0	68	14917	0.9395	
29 2,2-Dichloropropane	77	4.747	4.747	0.0	67	14491	1.04	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.823	4.823	0.0	50	5192	0	
30 Cyclohexane	56	4.823	4.832	-0.009	85	19252	0	
32 Chloroform	83	4.874	4.874	0.0	82	18880	0.99	
34 Ethyl acetate	43	4.975	4.966	0.009	98	39073	0	
36 sec-Butyl Alcohol	45	5.000	5.000	0.0	70	20968	0	
33 Carbon tetrachloride	117	5.000	5.000	0.0	70	12331	1.00	
35 Tetrahydrofuran	42	5.017	5.008	0.009	22	12232	9.28	
$ 37 Dibromofluoromethane	113	5.034	5.022	0.012	70	165275	19.9	
38 1,1,1-Trichloroethane	97	5.059	5.059	0.0	19	14870	0.9663	
39 2-Butanone (MEK)	43	5.135	5.135	0.0	93	20337	11.0	
40 1,1-Dichloropropene	75	5.160	5.160	0.0	85	12888	0.9319	
41 n-Heptane	43	5.320	5.320	0.0	91	14146	0	
42 Benzene	78	5.371	5.362	0.009	96	36784	0.9392	
43 Tert-amyl methyl ether	73	5.447	5.447	0.0	87	20424	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.472	5.469	0.003	0	31182	20.0	
45 1,2-Dichloroethane	62	5.531	5.531	0.0	52	8712	0.9048	
* 46 Fluorobenzene	96	5.699	5.688	0.011	99	689607	20.0	
48 Isopropyl acetate	43	5.708	5.708	0.0	44	80441	0	
47 2,4,4-Trimethyl-1-pentene	55	5.716	5.725	-0.009	45	8479	0	
50 Trichloroethene	95	5.834	5.826	0.008	51	11149	1.01	
49 Methylcyclohexane	83	5.826	5.826	0.0	84	18169	1.05	
51 2,4,4-Trimethyl-2-pentene	112	5.851	5.851	0.0	88	5812	0	
52 Dibromomethane	93	6.171	6.171	0.0	82	3790	0.8333	
53 1,2-Dichloropropane	63	6.247	6.247	0.0	65	8976	1.02	
54 Dichlorobromomethane	83	6.289	6.289	0.0	86	10037	0.8565	
55 Methyl methacrylate	69	6.399	6.399	0.0	81	2703	0	
56 1,4-Dioxane	88		6.449					
57 n-Propyl acetate	43	6.508	6.500	0.008	97	48207	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.778	6.778	0.0	88	11072	0.8273	
$ 60 Toluene-d8 (Surr)	98	6.921	6.918	0.003	83	592021	17.7	
61 Toluene	92	6.963	6.964	-0.001	92	21929	0.9061	
63 4-Methyl-2-pentanone (MIBK)	43	7.250	7.242	0.008	95	37719	10.3	
62 Tetrachloroethene	166	7.267	7.258	0.009	89	8889	0.9581	
64 trans-1,3-Dichloropropene	75	7.275	7.275	0.0	92	7602	0.8495	
65 Isobutyl acetate	43	7.326	7.326	0.0	96	110667	0	
66 1,1,2-Trichloroethane	83	7.402	7.402	0.0	77	4026	0.9196	
67 Chlorodibromomethane	129	7.545	7.537	0.008	81	5209	3.92	
68 1,3-Dichloropropane	76	7.612	7.612	0.0	88	7421	3.94	
69 Ethylene Dibromide	107	7.739	7.730	0.009	88	4119	4.16	
70 n-Butyl acetate	43	7.798	7.798	0.0	100	60355	0	
71 2-Hexanone	43	7.882	7.882	0.0	94	25997	10.8	
* 72 Chlorobenzene-d5	117	8.118	8.115	0.003	84	428846	20.0	
73 Chlorobenzene	112	8.135	8.126	0.009	49	21397	1.01	
74 Ethylbenzene	91	8.143	8.143	0.0	97	42217	1.07	
75 1,1,1,2-Tetrachloroethane	131	8.177	8.177	0.0	31	7748	0.99	
76 m-Xylene & p-Xylene	91	8.253	8.253	0.0	97	63135	-5.58	
77 o-Xylene	91	8.590	8.581	0.009	96	34478	1.02	
78 Styrene	104	8.624	8.624	0.0	97	24235	1.00	
79 Bromoform	173	8.657	8.657	0.0	75	2831	3.35	
80 Isopropylbenzene	105	8.826	8.826	0.0	95	41831	1.00	
$ 82 4-Bromofluorobenzene	95	9.053	9.050	0.003	84	236591	20.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	9.053	9.053	0.0	0	236591	0	
83 Bromobenzene	77	9.138	9.138	0.0	55	15519	1.02	
84 N-Propylbenzene	91	9.146	9.146	0.0	96	51404	-3.78	
85 1,1,2,2-Tetrachloroethane	83	9.197	9.197	0.0	75	5592	0.9237	
86 2-Chlorotoluene	91	9.281	9.272	0.009	94	34920	-2.97	
87 1,3,5-Trimethylbenzene	105	9.298	9.289	0.009	90	34782	-3.32	
88 1,2,3-Trichloropropane	110	9.315	9.315	0.0	1	1447	0.9501	
89 trans-1,4-Dichloro-2-butene	53	9.340	9.331	0.009	1	1368	-0.3573	
90 4-Chlorotoluene	91	9.407	9.407	0.0	93	31534	1.02	
91 tert-Butylbenzene	119	9.550	9.551	-0.001	90	28150	1.00	
92 1,2,4-Trimethylbenzene	105	9.601	9.601	0.0	88	36568	-3.69	
93 sec-Butylbenzene	105	9.685	9.685	0.0	94	47724	1.02	
94 4-Isopropyltoluene	119	9.795	9.795	0.0	95	36219	1.02	
95 1,3-Dichlorobenzene	146	9.879	9.871	0.008	98	19318	1.05	
* 96 1,4-Dichlorobenzene-d4	115	9.938	9.935	0.003	94	141958	20.0	
97 1,4-Dichlorobenzene	146	9.947	9.947	0.0	39	18480	0.9611	
98 n-Butylbenzene	91	10.157	10.149	0.008	95	38400	0.9607	
99 1,2-Dichlorobenzene	146	10.317	10.317	0.0	96	16447	0.9568	
100 1,2-Dibromo-3-Chloropropane	157	11.126	11.118	0.008	47	823	0.8301	
101 1,3,5-Trichlorobenzene	180	11.160	11.152	0.008	96	12445	0	
102 Hexachlorobutadiene	225	11.927	11.918	0.009	72	6204	0.9056	
103 1,2,4-Trichlorobenzene	180	11.969	11.969	0.0	84	9013	0.8859	
104 Naphthalene	128	12.458	12.458	0.0	95	12129	0.8362	
105 1,2,3-Trichlorobenzene	180	12.753	12.753	0.0	85	6747	0.8574	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Nov-2011 14:21:33 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55148.D

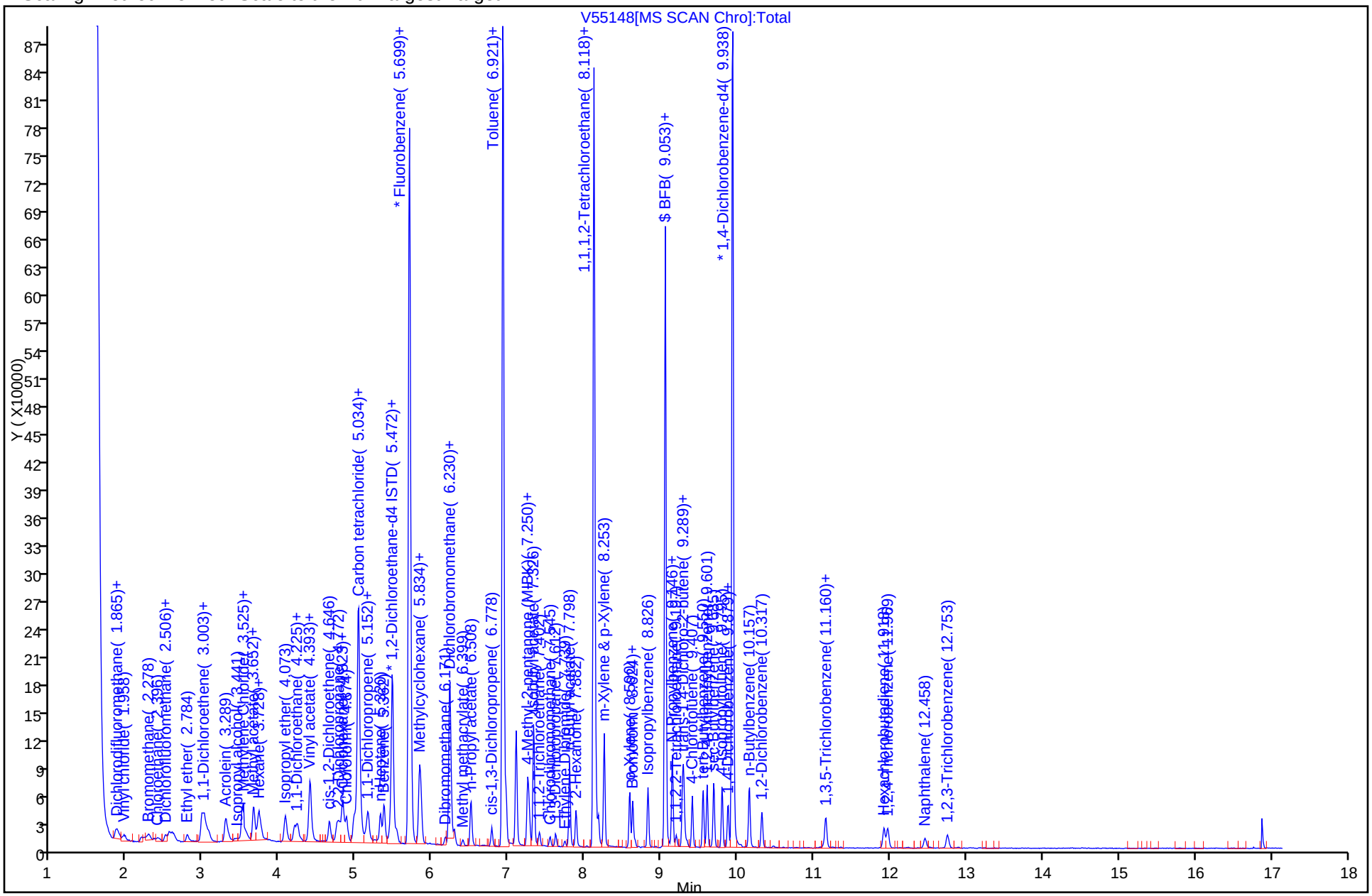
Injection Date: 28-Nov-2011 17:30:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 3

Operator ID: bw

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 30-Nov-2011 14:21:33 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55148.D

Injection Date: 28-Nov-2011 17:30:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 3

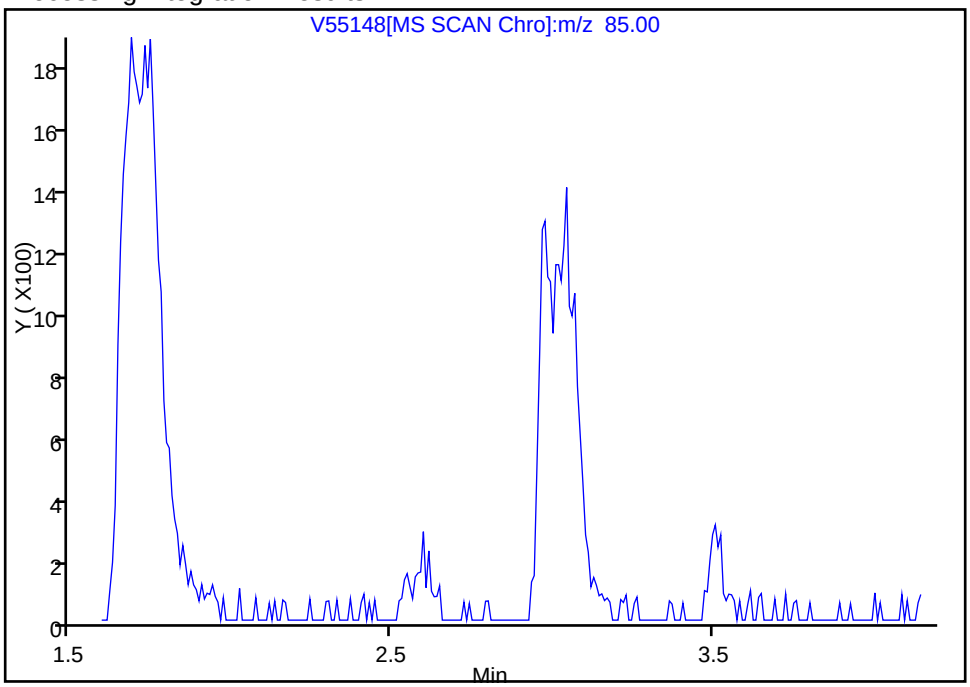
Operator ID: bw

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

Not Detected

Expected RT: 1.75

Processing Integration Results

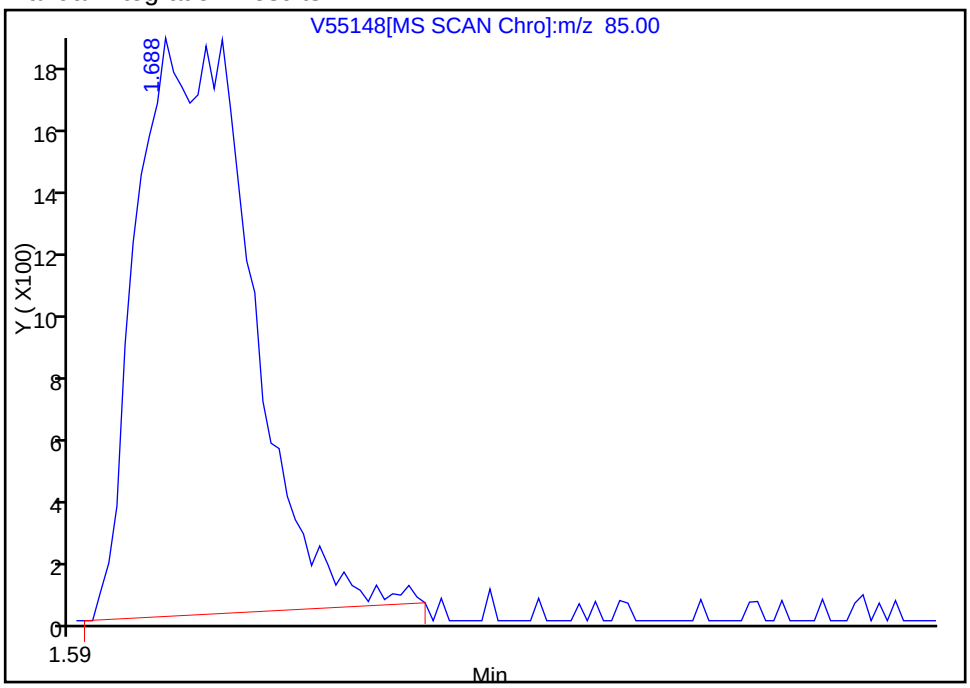


Manual Integration Results

RT: 1.69

Response: 14789

Amount: 0.977547



Reviewer: weigelb, 29-Nov-2011 09:06:17

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55149.D
Lims ID: STD5 Client ID:
Inject. Date: 28-Nov-2011 17:56:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD5
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 83953 Lims Sample ID: 4
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 14:21:34 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 29-Nov-2011 09:05:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.726	1.747	-0.021	80	79779	5.47	M
2 Chloromethane	50	1.861	1.865	-0.004	99	104290	5.71	
3 Vinyl chloride	62	1.971	1.975	-0.004	56	86199	5.71	
4 Bromomethane	94	2.283	2.295	-0.012	90	56196	5.87	
5 Chloroethane	64	2.409	2.396	0.013	95	51287	5.40	
6 Trichlorofluoromethane	101	2.502	2.506	-0.004	78	91329	5.71	
7 Dichlorofluoromethane	67	2.603	2.607	-0.004	75	116720	0	
8 Ethyl ether	59	2.788	2.792	-0.004	92	31334	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.974	2.978	-0.004	66	45964	0	
9 1,1-Dichloroethene	96	2.982	2.986	-0.004	98	51154	5.34	
11 Ethanol	45	2.999	3.003	-0.004	6	10826	0	
10 Carbon disulfide	76	3.007	3.011	-0.004	99	160822	5.65	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.066	3.070	-0.004	82	33362	5.21	
14 Acrolein	56	3.285	3.289	-0.004	95	201648	0	
15 Isopropyl alcohol	45	3.454	3.466	-0.012	95	65906	0	
16 Methylene Chloride	84	3.504	3.509	-0.004	89	61774	5.03	
17 Acetone	43	3.555	3.559	-0.004	94	54171	48.8	
18 trans-1,2-Dichloroethene	61	3.656	3.652	0.004	81	89743	5.61	
19 Methyl acetate	43	3.656	3.660	-0.004	98	157014	48.6	
20 Hexane	57	3.724	3.719	0.005	70	111642	0	
21 Methyl tert-butyl ether	73	3.749	3.744	0.005	57	88540	4.81	
22 2-Methyl-2-propanol	59	3.833	3.837	-0.004	12	24797	0	
23 Isopropyl ether	45	4.069	4.073	-0.004	97	175198	0	
24 1,1-Dichloroethane	63	4.195	4.191	0.004	94	107781	5.31	
125 Halothane	117	4.229	4.233	-0.004	89	41777	0	
25 Acrylonitrile	53	4.246	4.242	0.004	30	7946	4.86	
26 Tert-butyl ethyl ether	59	4.381	4.385	-0.004	55	137883	0	
27 Vinyl acetate	43	4.398	4.393	0.005	97	473637	0	
28 cis-1,2-Dichloroethene	61	4.651	4.646	0.005	82	80170	5.23	
29 2,2-Dichloropropane	77	4.752	4.747	0.005	67	71546	5.31	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.819	4.823	-0.004	55	26652	0	
30 Cyclohexane	56	4.828	4.832	-0.004	86	100485	0	
32 Chloroform	83	4.878	4.874	0.004	93	97680	5.32	
34 Ethyl acetate	43	4.971	4.966	0.005	98	196216	0	
36 sec-Butyl Alcohol	45	5.004	5.000	0.004	76	105301	0	
33 Carbon tetrachloride	117	5.004	5.000	0.004	91	61139	5.14	
35 Tetrahydrofuran	42	5.013	5.008	0.005	59	59669	46.9	
$ 37 Dibromofluoromethane	113	5.030	5.022	0.008	79	154131	19.2	
38 1,1,1-Trichloroethane	97	5.063	5.059	0.004	50	76626	5.16	
39 2-Butanone (MEK)	43	5.139	5.135	0.004	96	87445	50.0	
40 1,1-Dichloropropene	75	5.156	5.160	-0.004	89	71727	5.37	
41 n-Heptane	43	5.316	5.320	-0.004	95	83857	0	
42 Benzene	78	5.367	5.362	0.005	96	202526	5.36	
43 Tert-amyl methyl ether	73	5.443	5.447	-0.004	96	100075	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.476	5.469	0.007	0	29375	20.0	
45 1,2-Dichloroethane	62	5.527	5.531	-0.004	81	44050	4.74	
* 46 Fluorobenzene	96	5.695	5.688	0.007	98	665399	20.0	
48 Isopropyl acetate	43	5.704	5.708	-0.004	78	408667	0	
47 2,4,4-Trimethyl-1-pentene	55	5.721	5.725	-0.004	75	41695	0	
50 Trichloroethene	95	5.830	5.826	0.004	63	59049	5.53	
49 Methylcyclohexane	83	5.830	5.826	0.004	92	99590	5.94	
51 2,4,4-Trimethyl-2-pentene	112	5.847	5.851	-0.004	94	31635	0	
52 Dibromomethane	93	6.167	6.171	-0.004	86	21231	4.84	
53 1,2-Dichloropropane	63	6.252	6.247	0.005	71	46609	5.51	
54 Dichlorobromomethane	83	6.285	6.289	-0.004	90	56601	5.01	
55 Methyl methacrylate	69	6.395	6.399	-0.004	94	13404	0	
56 1,4-Dioxane	88	6.454	6.449	0.005	34	1563	0	
57 n-Propyl acetate	43	6.504	6.500	0.004	97	249316	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.774	6.778	-0.004	88	63015	4.88	
$ 60 Toluene-d8 (Surr)	98	6.926	6.918	0.008	83	594493	18.4	
61 Toluene	92	6.968	6.964	0.004	94	124162	5.32	
63 4-Methyl-2-pentanone (MIBK)	43	7.246	7.242	0.004	96	194860	56.6	
62 Tetrachloroethene	166	7.263	7.258	0.005	89	49039	5.48	
64 trans-1,3-Dichloropropene	75	7.271	7.275	-0.004	95	42690	4.94	
65 Isobutyl acetate	43	7.330	7.326	0.004	94	554512	0	
66 1,1,2-Trichloroethane	83	7.406	7.402	0.004	81	20370	4.82	
67 Chlorodibromomethane	129	7.541	7.537	0.004	87	29165	6.59	
68 1,3-Dichloropropane	76	7.617	7.612	0.005	86	41290	6.70	
69 Ethylene Dibromide	107	7.735	7.730	0.005	98	22565	6.76	
70 n-Butyl acetate	43	7.794	7.798	-0.004	99	299871	0	
71 2-Hexanone	43	7.878	7.882	-0.004	96	112664	49.7	
* 72 Chlorobenzene-d5	117	8.114	8.115	-0.001	87	414410	20.0	
73 Chlorobenzene	112	8.131	8.126	0.005	80	118086	5.79	
74 Ethylbenzene	91	8.139	8.143	-0.004	96	227741	5.96	
75 1,1,1,2-Tetrachloroethane	131	8.173	8.177	-0.004	38	42536	5.63	
76 m-Xylene & p-Xylene	91	8.249	8.253	-0.004	98	355039	8.61	
77 o-Xylene	91	8.586	8.581	0.005	97	189534	5.82	
78 Styrene	104	8.628	8.624	0.004	89	132186	5.64	
79 Bromoform	173	8.653	8.657	-0.004	79	15653	6.30	
80 Isopropylbenzene	105	8.822	8.826	-0.004	96	236929	5.86	
$ 82 4-Bromofluorobenzene	95	9.049	9.050	-0.001	82	221796	19.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	9.049	9.053	-0.004	0	221796	0	
83 Bromobenzene	77	9.142	9.138	0.004	54	87915	5.98	
84 N-Propylbenzene	91	9.142	9.146	-0.004	96	287359	3.80	
85 1,1,2,2-Tetrachloroethane	83	9.193	9.197	-0.004	66	27755	4.98	
86 2-Chlorotoluene	91	9.277	9.272	0.005	94	191779	4.13	
87 1,3,5-Trimethylbenzene	105	9.294	9.289	0.005	91	197991	4.01	
88 1,2,3-Trichloropropane	110	9.311	9.315	-0.004	10	8032	5.46	
89 trans-1,4-Dichloro-2-butene	53	9.336	9.331	0.005	1	6330	4.61	
90 4-Chlorotoluene	91	9.403	9.407	-0.004	98	170349	5.70	
91 tert-Butylbenzene	119	9.547	9.551	-0.004	86	160753	5.89	
92 1,2,4-Trimethylbenzene	105	9.690	9.601	0.089	80	272622	5.82	
93 sec-Butylbenzene	105	9.690	9.685	0.005	94	273024	6.04	
94 4-Isopropyltoluene	119	9.799	9.795	0.004	94	204883	5.98	
95 1,3-Dichlorobenzene	146	9.875	9.871	0.004	97	102926	5.80	
* 96 1,4-Dichlorobenzene-d4	115	9.934	9.935	-0.001	95	130649	20.0	
97 1,4-Dichlorobenzene	146	9.951	9.947	0.004	81	100404	5.67	
98 n-Butylbenzene	91	10.153	10.149	0.004	94	215519	5.86	
99 1,2-Dichlorobenzene	146	10.322	10.317	0.005	97	86645	5.48	
100 1,2-Dibromo-3-Chloropropane	157	11.122	11.118	0.004	68	4120	4.52	
101 1,3,5-Trichlorobenzene	180	11.156	11.152	0.004	97	69329	0	
102 Hexachlorobutadiene	225	11.923	11.918	0.005	82	34566	5.48	
103 1,2,4-Trichlorobenzene	180	11.965	11.969	-0.004	86	49483	5.28	
104 Naphthalene	128	12.454	12.458	-0.004	97	61267	4.59	
105 1,2,3-Trichlorobenzene	180	12.749	12.753	-0.004	93	36962	5.10	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Nov-2011 14:21:35 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55149.D

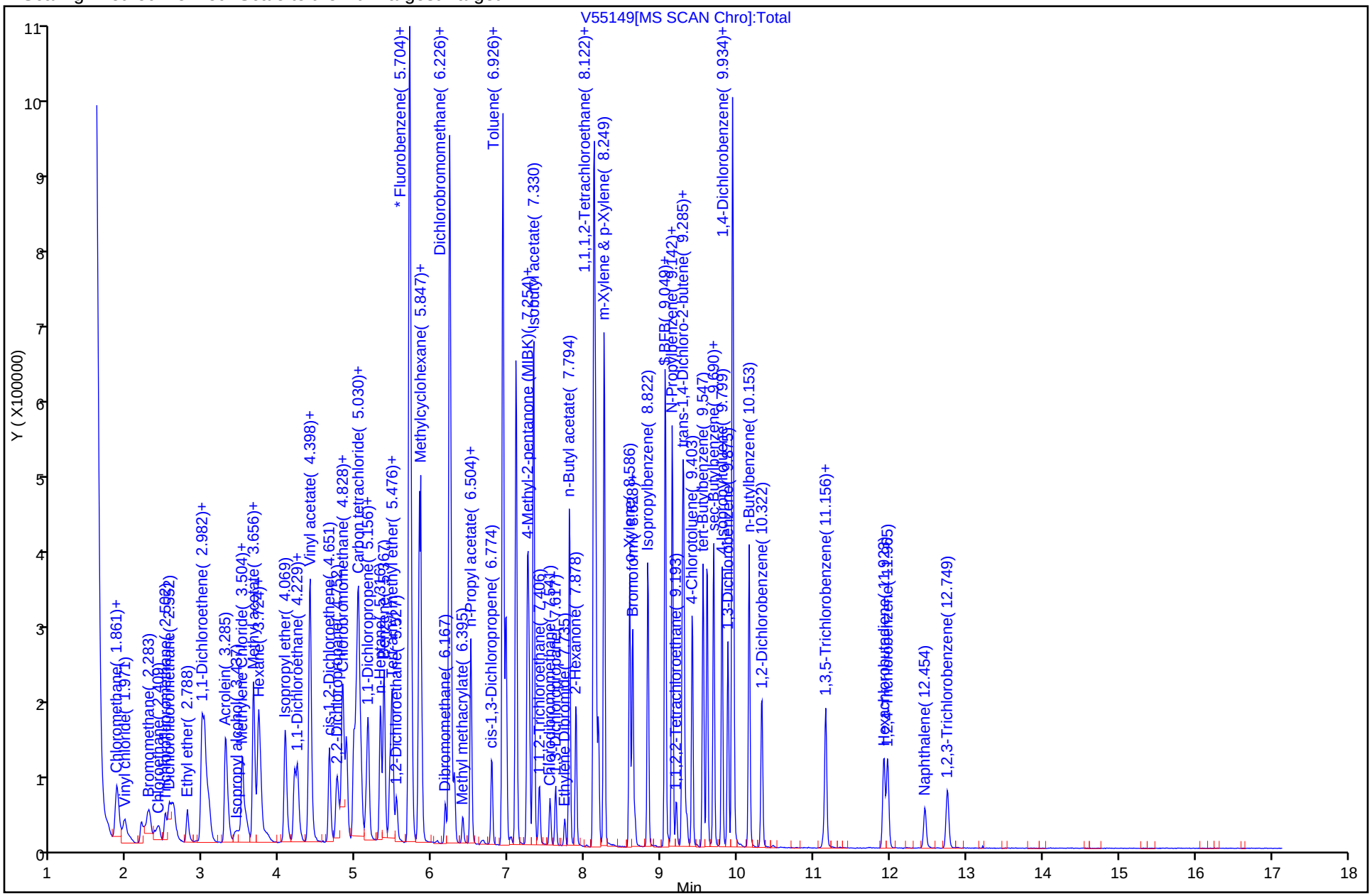
Injection Date: 28-Nov-2011 17:56:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 4

Operator ID: bw

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



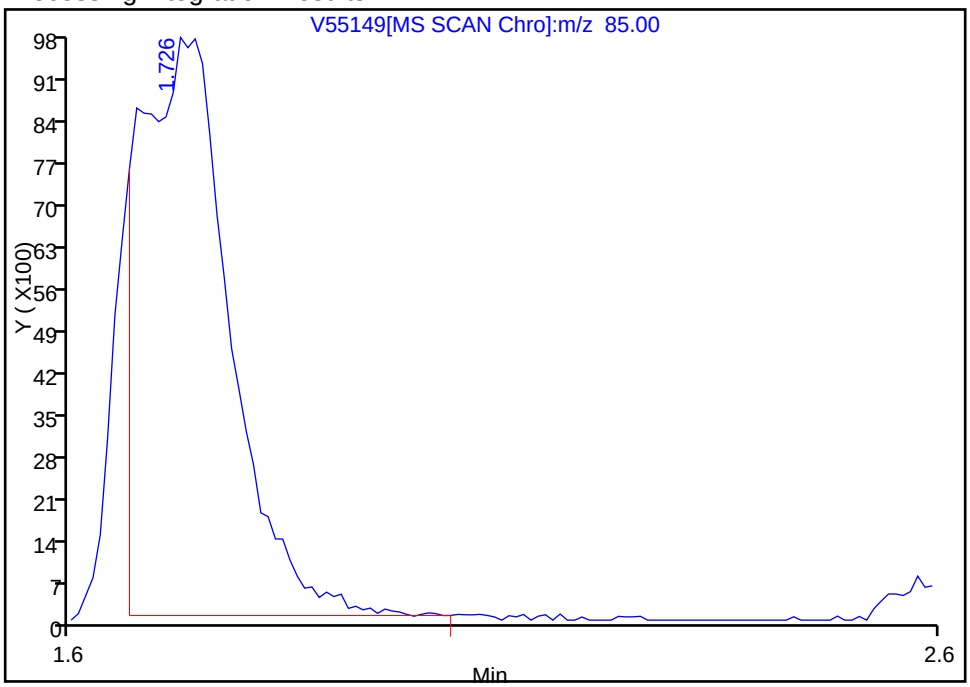
Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55149.D
Injection Date: 28-Nov-2011 17:56:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 83953 Lims Sample ID: 4
Operator ID: bw

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

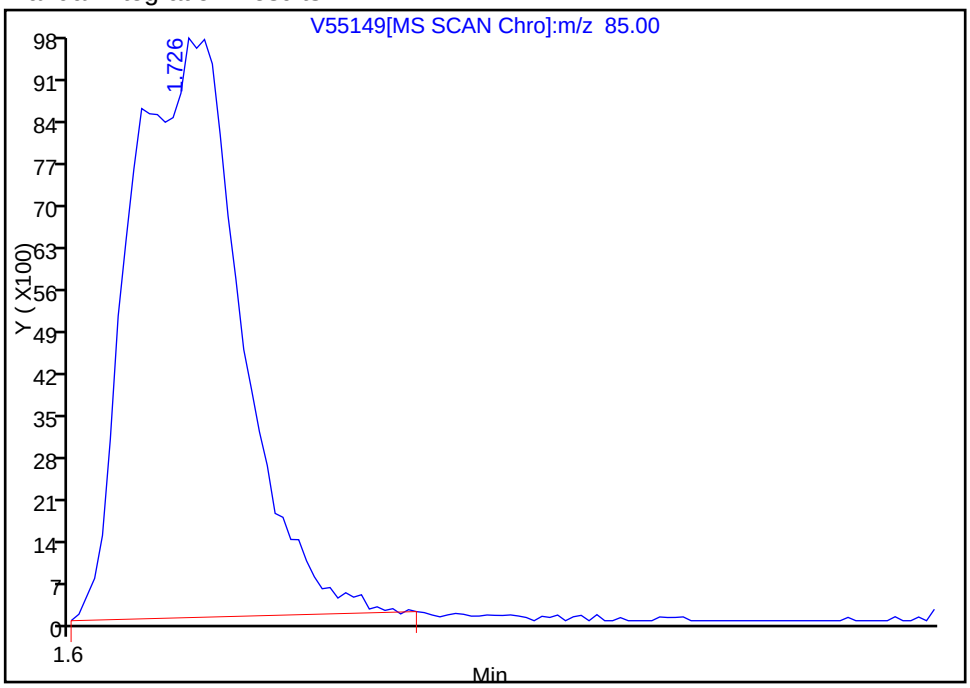
Processing Integration Results

RT: 1.73
Response: 71459
Amount: 4.976288



Manual Integration Results

RT: 1.73
Response: 79779
Amount: 5.465208



Reviewer: weigelb, 30-Nov-2011 10:22:39
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55150.D
Lims ID: STD10 Client ID:
Inject. Date: 28-Nov-2011 18:21:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD10
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 83953 Lims Sample ID: 5
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 15:55:06 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 29-Nov-2011 09:03:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.735	1.747	-0.012	0	137662	9.52	M
2 Chloromethane	50	1.861	1.865	-0.004	99	177246	9.81	
3 Vinyl chloride	62	1.971	1.975	-0.004	56	144303	9.65	
4 Bromomethane	94	2.283	2.295	-0.012	90	93234	9.83	
5 Chloroethane	64	2.409	2.396	0.013	99	82759	10.6	
6 Trichlorofluoromethane	101	2.502	2.506	-0.004	91	158778	10.0	
7 Dichlorofluoromethane	67	2.603	2.607	-0.004	75	207947	0	
8 Ethyl ether	59	2.788	2.792	-0.004	94	57824	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.982	2.978	0.004	70	84661	0	
9 1,1-Dichloroethene	96	2.982	2.986	-0.004	98	93517	9.85	
11 Ethanol	45	3.016	3.003	0.013	23	18900	0	
10 Carbon disulfide	76	3.007	3.011	-0.004	99	282941	10.0	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.058	3.070	-0.012	91	61673	9.73	
14 Acrolein	56	3.286	3.289	-0.003	97	356328	0	
15 Isopropyl alcohol	45	3.454	3.466	-0.012	95	119063	0	
16 Methylene Chloride	84	3.505	3.509	-0.003	96	105683	9.21	
17 Acetone	43	3.555	3.559	-0.004	91	94620	88.4	
18 trans-1,2-Dichloroethene	61	3.648	3.652	-0.004	89	153052	9.67	
19 Methyl acetate	43	3.656	3.660	-0.004	98	294487	92.1	
20 Hexane	57	3.724	3.719	0.005	70	193578	0	
21 Methyl tert-butyl ether	73	3.749	3.744	0.005	60	168150	9.23	
22 2-Methyl-2-propanol	59	3.833	3.837	-0.004	12	44806	0	
23 Isopropyl ether	45	4.069	4.073	-0.004	97	318557	0	
24 1,1-Dichloroethane	63	4.187	4.191	-0.004	94	188736	9.39	
125 Halothane	117	4.229	4.233	-0.004	88	74168	0	
25 Acrylonitrile	53	4.238	4.242	-0.004	37	13960	8.63	
26 Tert-butyl ethyl ether	59	4.381	4.385	-0.004	55	244198	0	
27 Vinyl acetate	43	4.398	4.393	0.005	97	840662	0	
28 cis-1,2-Dichloroethene	61	4.651	4.646	0.005	69	142631	9.40	
29 2,2-Dichloropropane	77	4.752	4.747	0.005	63	123832	9.29	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.819	4.823	-0.004	57	48080	0	
30 Cyclohexane	56	4.828	4.832	-0.004	84	180269	0	
32 Chloroform	83	4.870	4.874	-0.004	94	174532	9.61	
34 Ethyl acetate	43	4.971	4.966	0.005	98	362086	0	
36 sec-Butyl Alcohol	45	5.005	5.000	0.005	74	193422	0	
33 Carbon tetrachloride	117	4.996	5.000	-0.004	82	106931	9.08	
35 Tetrahydrofuran	42	5.013	5.008	0.005	60	110382	87.7	
$ 37 Dibromofluoromethane	113	5.030	5.034	-0.004	75	152942	19.3	
38 1,1,1-Trichloroethane	97	5.064	5.059	0.005	51	137738	9.37	
39 2-Butanone (MEK)	43	5.131	5.135	-0.004	96	161103	91.5	
40 1,1-Dichloropropene	75	5.156	5.160	-0.004	90	129518	9.80	
41 n-Heptane	43	5.316	5.320	-0.004	94	151647	0	
42 Benzene	78	5.367	5.362	0.005	96	359647	9.61	
43 Tert-amyl methyl ether	73	5.443	5.447	-0.004	97	183438	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.477	5.472	0.005	0	29575	20.0	
45 1,2-Dichloroethane	62	5.527	5.531	-0.004	74	80619	8.76	
* 46 Fluorobenzene	96	5.696	5.699	-0.003	98	658867	20.0	
48 Isopropyl acetate	43	5.704	5.708	-0.004	98	750366	0	
47 2,4,4-Trimethyl-1-pentene	55	5.721	5.725	-0.004	81	76447	0	
50 Trichloroethene	95	5.830	5.826	0.004	60	101761	9.63	
49 Methylcyclohexane	83	5.830	5.826	0.004	82	167994	10.1	
51 2,4,4-Trimethyl-2-pentene	112	5.847	5.851	-0.004	90	56628	0	
52 Dibromomethane	93	6.168	6.171	-0.003	90	38900	8.95	
53 1,2-Dichloropropane	63	6.252	6.247	0.005	77	81737	9.76	
54 Dichlorobromomethane	83	6.286	6.289	-0.003	97	100710	8.99	
55 Methyl methacrylate	69	6.395	6.399	-0.004	90	24673	0	
56 1,4-Dioxane	88	6.454	6.449	0.005	68	3155	0	
57 n-Propyl acetate	43	6.505	6.500	0.005	98	458811	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.774	6.778	-0.004	89	113848	8.90	
$ 60 Toluene-d8 (Surr)	98	6.926	6.921	0.005	83	590442	18.4	
61 Toluene	92	6.960	6.964	-0.004	93	218340	9.44	
63 4-Methyl-2-pentanone (MIBK)	43	7.246	7.242	0.004	96	354564	102.4	
62 Tetrachloroethene	166	7.263	7.258	0.005	98	86891	9.80	
64 trans-1,3-Dichloropropene	75	7.271	7.275	-0.004	94	75229	8.80	
65 Isobutyl acetate	43	7.322	7.326	-0.004	95	978920	0	
66 1,1,2-Trichloroethane	83	7.398	7.402	-0.004	84	35918	8.59	
67 Chlorodibromomethane	129	7.541	7.537	0.004	84	55159	9.52	
68 1,3-Dichloropropane	76	7.617	7.612	0.005	88	75084	9.50	
69 Ethylene Dibromide	107	7.735	7.730	0.005	97	41600	9.47	
70 n-Butyl acetate	43	7.794	7.798	-0.004	99	535842	0	
71 2-Hexanone	43	7.878	7.882	-0.004	96	208587	91.4	
* 72 Chlorobenzene-d5	117	8.114	8.118	-0.004	86	410403	20.0	
73 Chlorobenzene	112	8.131	8.126	0.005	84	203799	10.1	
74 Ethylbenzene	91	8.139	8.143	-0.004	97	391841	10.3	
75 1,1,1,2-Tetrachloroethane	131	8.173	8.177	-0.004	45	75094	10.0	
76 m-Xylene & p-Xylene	91	8.249	8.253	-0.004	98	611206	21.3	
77 o-Xylene	91	8.586	8.581	0.005	97	336428	10.4	
78 Styrene	104	8.628	8.624	0.004	87	238707	10.3	
79 Bromoform	173	8.653	8.657	-0.004	73	29539	9.62	
80 Isopropylbenzene	105	8.822	8.826	-0.004	95	428394	10.7	
$ 82 4-Bromofluorobenzene	95	9.050	9.053	-0.003	82	219948	19.4	

Report Date: 30-Nov-2011 15:55:07 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55150.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	9.050	9.053	-0.003	0	219948	0	
83 Bromobenzene	77	9.142	9.138	0.004	54	153617	10.6	
84 N-Propylbenzene	91	9.142	9.146	-0.004	96	503445	10.8	
85 1,1,2,2-Tetrachloroethane	83	9.193	9.197	-0.004	69	51375	9.46	
86 2-Chlorotoluene	91	9.277	9.272	0.005	95	335423	10.7	
87 1,3,5-Trimethylbenzene	105	9.294	9.289	0.005	89	348505	10.9	
88 1,2,3-Trichloropropane	110	9.311	9.315	-0.004	68	13391	9.19	
89 trans-1,4-Dichloro-2-butene	53	9.336	9.331	0.005	1	12563	11.1	
90 4-Chlorotoluene	91	9.403	9.407	-0.004	93	310727	10.5	
91 tert-Butylbenzene	119	9.547	9.551	-0.004	90	292464	10.8	
92 1,2,4-Trimethylbenzene	105	9.690	9.601	0.089	71	487651	14.6	
93 sec-Butylbenzene	105	9.690	9.685	0.005	94	489022	10.9	
94 4-Isopropyltoluene	119	9.800	9.795	0.005	94	367596	10.8	
95 1,3-Dichlorobenzene	146	9.875	9.871	0.004	98	182998	10.4	
* 96 1,4-Dichlorobenzene-d4	115	9.934	9.930	0.004	95	127290	20.0	
97 1,4-Dichlorobenzene	146	9.951	9.947	0.004	90	174420	10.1	
98 n-Butylbenzene	91	10.153	10.149	0.004	95	393331	11.0	
99 1,2-Dichlorobenzene	146	10.322	10.317	0.005	97	158522	10.3	
100 1,2-Dibromo-3-Chloropropane	157	11.123	11.118	0.005	75	8038	9.04	
101 1,3,5-Trichlorobenzene	180	11.156	11.152	0.004	97	125804	0	
102 Hexachlorobutadiene	225	11.915	11.918	-0.003	83	64414	10.5	
103 1,2,4-Trichlorobenzene	180	11.965	11.969	-0.004	86	92059	10.1	
104 Naphthalene	128	12.454	12.458	-0.004	97	123533	9.50	
105 1,2,3-Trichlorobenzene	180	12.749	12.753	-0.004	93	70534	10.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Nov-2011 15:55:07 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55150.D

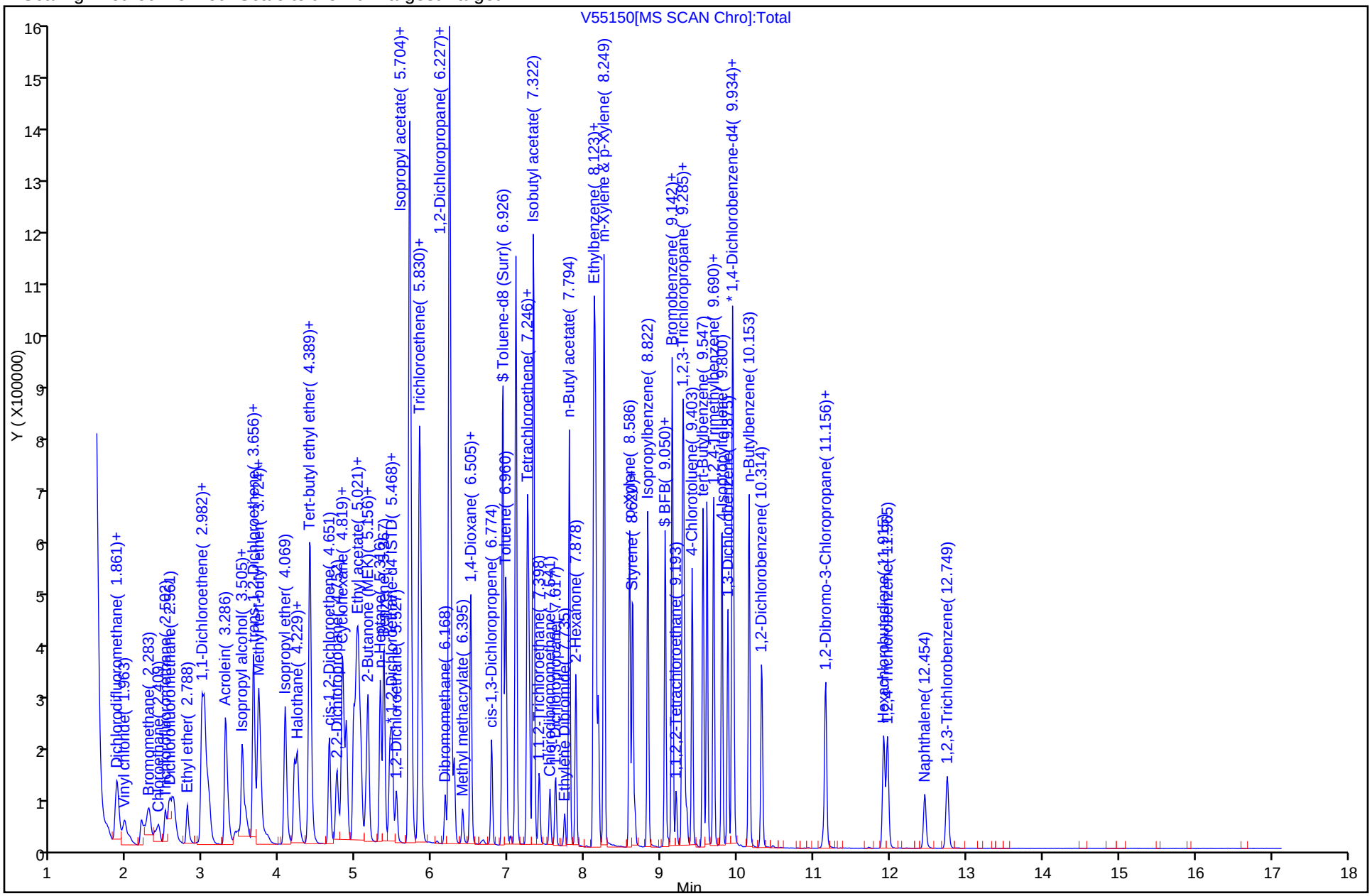
Injection Date: 28-Nov-2011 18:21:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 5

Operator ID: bw

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 30-Nov-2011 15:55:07 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55150.D

Injection Date: 28-Nov-2011 18:21:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 5

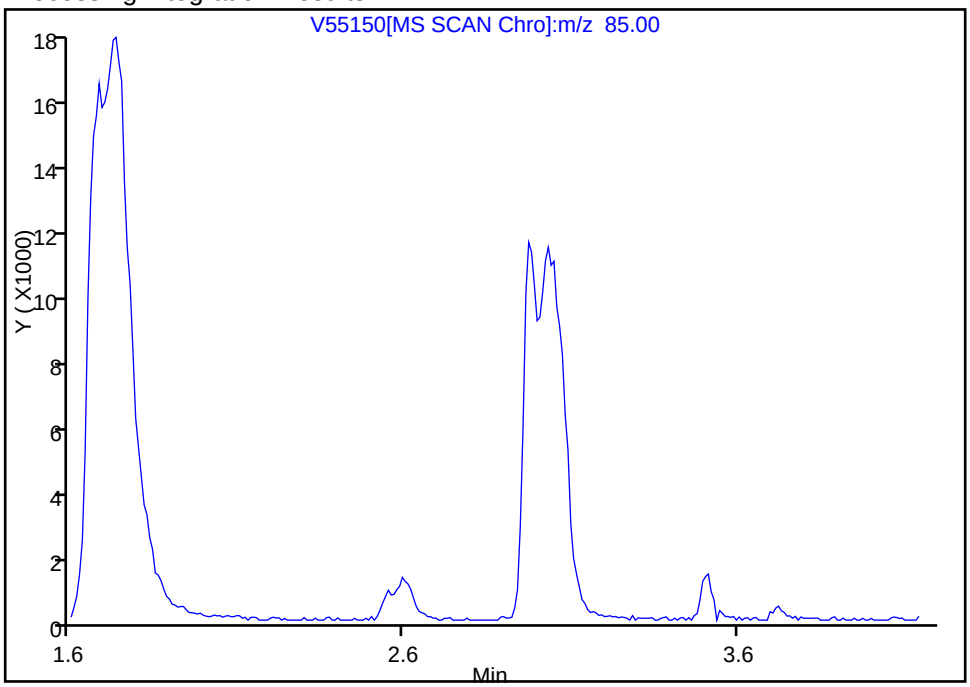
Operator ID: bw

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

Processing Integration Results

Not Detected

Expected RT: 1.75

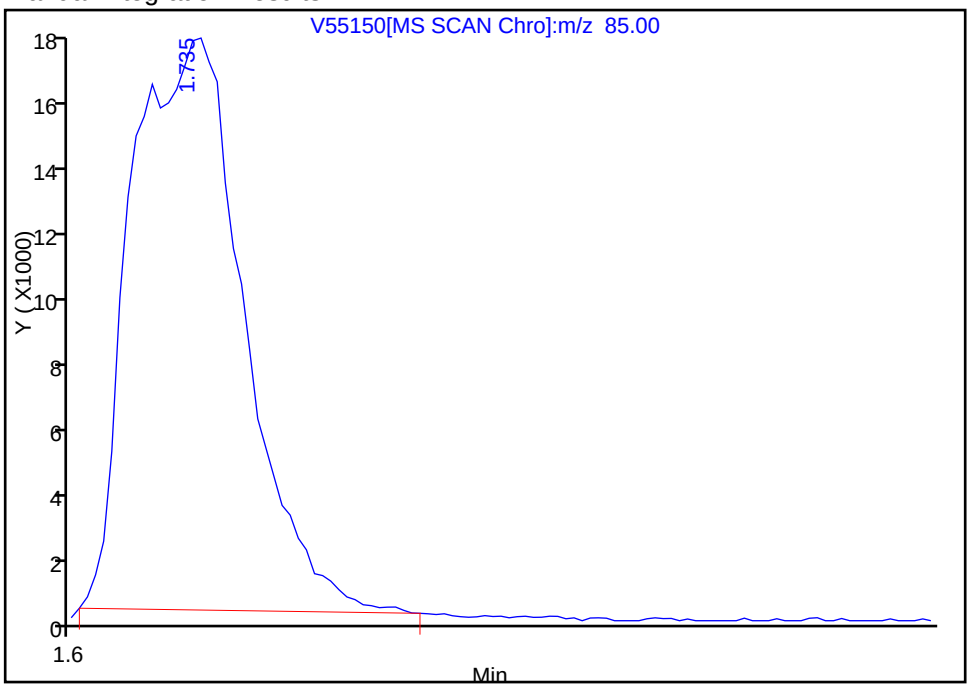


Manual Integration Results

RT: 1.74

Response: 137662

Amount: 9.523939



Reviewer: weigelb, 29-Nov-2011 09:05:53

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55151.D
Lims ID: STD20 Client ID:
Inject. Date: 28-Nov-2011 18:47:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD20
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 83953 Lims Sample ID: 6
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 15:57:31 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 30-Nov-2011 15:57:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.747	1.747	0.0	96	259571	18.0	M
2 Chloromethane	50	1.865	1.865	0.0	88	326495	18.1	
3 Vinyl chloride	62	1.975	1.975	0.0	56	267486	17.9	
4 Bromomethane	94	2.295	2.295	0.0	90	175955	18.6	
5 Chloroethane	64	2.396	2.396	0.0	100	147942	21.1	
6 Trichlorofluoromethane	101	2.506	2.506	0.0	91	289705	18.3	
7 Dichlorofluoromethane	67	2.607	2.607	0.0	91	373161	0	
8 Ethyl ether	59	2.792	2.792	0.0	93	126371	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.978	2.978	0.0	71	149346	0	
9 1,1-Dichloroethene	96	2.986	2.986	0.0	90	175706	18.5	
11 Ethanol	45	3.003	3.003	0.0	19	42013	0	
10 Carbon disulfide	76	3.011	3.011	0.0	99	539252	19.1	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.070	3.070	0.0	87	119208	18.8	
14 Acrolein	56	3.289	3.289	0.0	94	742414	0	
15 Isopropyl alcohol	45	3.466	3.466	0.0	87	243799	0	
16 Methylene Chloride	84	3.509	3.509	0.0	94	202914	18.4	
17 Acetone	43	3.559	3.559	0.0	94	222353	204.9	
18 trans-1,2-Dichloroethene	61	3.652	3.652	0.0	82	297350	18.8	
19 Methyl acetate	43	3.660	3.660	0.0	97	652479	204.1	
20 Hexane	57	3.719	3.719	0.0	69	371650	0	
21 Methyl tert-butyl ether	73	3.744	3.744	0.0	56	368388	20.2	
22 2-Methyl-2-propanol	59	3.837	3.837	0.0	12	99781	0	
23 Isopropyl ether	45	4.073	4.073	0.0	97	668018	0	
24 1,1-Dichloroethane	63	4.191	4.191	0.0	94	371953	18.5	
125 Halothane	117	4.233	4.233	0.0	89	140706	0	
25 Acrylonitrile	53	4.242	4.242	0.0	43	30992	19.2	
26 Tert-butyl ethyl ether	59	4.385	4.385	0.0	48	525623	0	
27 Vinyl acetate	43	4.393	4.393	0.0	97	1747152	0	
28 cis-1,2-Dichloroethene	61	4.646	4.646	0.0	83	283557	18.7	
29 2,2-Dichloropropane	77	4.747	4.747	0.0	63	252820	19.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.823	4.823	0.0	62	98457	0	
30 Cyclohexane	56	4.832	4.832	0.0	87	327241	0	
32 Chloroform	83	4.874	4.874	0.0	94	336177	18.5	
34 Ethyl acetate	43	4.966	4.966	0.0	97	796262	0	
36 sec-Butyl Alcohol	45	5.000	5.000	0.0	73	412344	0	
33 Carbon tetrachloride	117	5.000	5.000	0.0	89	224612	19.1	M
35 Tetrahydrofuran	42	5.008	5.008	0.0	59	237474	188.7	
$ 37 Dibromofluoromethane	113	5.034	5.034	0.0	73	152667	19.2	
38 1,1,1-Trichloroethane	97	5.059	5.059	0.0	52	274117	18.7	
39 2-Butanone (MEK)	43	5.135	5.135	0.0	99	340740	184.9	
40 1,1-Dichloropropene	75	5.160	5.160	0.0	94	253434	19.2	
41 n-Heptane	43	5.320	5.320	0.0	94	283690	0	
42 Benzene	78	5.362	5.362	0.0	96	716359	19.2	
43 Tert-amyl methyl ether	73	5.447	5.447	0.0	88	404482	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.472	5.472	0.0	0	30961	20.0	
45 1,2-Dichloroethane	62	5.531	5.531	0.0	75	176788	19.2	
* 46 Fluorobenzene	96	5.699	5.699	0.0	65	658490	20.0	
48 Isopropyl acetate	43	5.708	5.708	0.0	98	1569402	0	
47 2,4,4-Trimethyl-1-pentene	55	5.725	5.725	0.0	84	149662	0	
50 Trichloroethene	95	5.826	5.826	0.0	74	201379	19.1	
49 Methylcyclohexane	83	5.826	5.826	0.0	91	315203	19.0	
51 2,4,4-Trimethyl-2-pentene	112	5.851	5.851	0.0	89	111536	0	
52 Dibromomethane	93	6.171	6.171	0.0	91	85670	19.7	
53 1,2-Dichloropropane	63	6.247	6.247	0.0	62	162070	19.4	
54 Dichlorobromomethane	83	6.289	6.289	0.0	97	216484	19.3	
55 Methyl methacrylate	69	6.399	6.399	0.0	88	58804	0	
56 1,4-Dioxane	88	6.449	6.449	0.0	18	6590	0	
57 n-Propyl acetate	43	6.500	6.500	0.0	98	1014958	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.778	6.778	0.0	90	252830	19.8	
$ 60 Toluene-d8 (Surr)	98	6.921	6.921	0.0	83	622157	19.4	
61 Toluene	92	6.964	6.964	0.0	93	445339	19.3	
63 4-Methyl-2-pentanone (MIBK)	43	7.242	7.242	0.0	96	761485	210.0	
62 Tetrachloroethene	166	7.258	7.258	0.0	69	174221	19.7	
64 trans-1,3-Dichloropropene	75	7.275	7.275	0.0	94	170536	20.0	
65 Isobutyl acetate	43	7.326	7.326	0.0	94	2029078	0	
66 1,1,2-Trichloroethane	83	7.402	7.402	0.0	85	83040	19.9	
67 Chlorodibromomethane	129	7.537	7.537	0.0	86	126808	17.5	
68 1,3-Dichloropropane	76	7.612	7.612	0.0	90	172380	17.5	
69 Ethylene Dibromide	107	7.730	7.730	0.0	97	99039	17.6	
70 n-Butyl acetate	43	7.798	7.798	0.0	99	1169747	0	
71 2-Hexanone	43	7.882	7.882	0.0	93	484356	202.8	
* 72 Chlorobenzene-d5	117	8.118	8.118	0.0	86	441575	20.0	
73 Chlorobenzene	112	8.126	8.126	0.0	89	429826	19.8	
74 Ethylbenzene	91	8.143	8.143	0.0	98	789518	19.4	
75 1,1,1,2-Tetrachloroethane	131	8.177	8.177	0.0	53	159500	19.8	
76 m-Xylene & p-Xylene	91	8.253	8.253	0.0	97	1219190	46.7	
77 o-Xylene	91	8.581	8.581	0.0	98	689452	19.9	
78 Styrene	104	8.624	8.624	0.0	96	511329	20.5	
79 Bromoform	173	8.657	8.657	0.0	64	70068	18.2	
80 Isopropylbenzene	105	8.826	8.826	0.0	95	863717	20.1	
$ 82 4-Bromofluorobenzene	95	9.053	9.053	0.0	87	240623	19.8	

Report Date: 30-Nov-2011 15:57:32 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55151.D

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	9.053	9.053	0.0	0	240623	0	
83 Bromobenzene	77	9.138	9.138	0.0	60	317854	20.3	
84 N-Propylbenzene	91	9.146	9.146	0.0	96	996204	24.5	
85 1,1,2,2-Tetrachloroethane	83	9.197	9.197	0.0	68	115917	20.2	
86 2-Chlorotoluene	91	9.272	9.272	0.0	94	664878	23.5	
87 1,3,5-Trimethylbenzene	105	9.289	9.289	0.0	87	686848	23.9	
88 1,2,3-Trichloropropane	110	9.315	9.315	0.0	78	30730	19.6	
89 trans-1,4-Dichloro-2-butene	53	9.331	9.331	0.0	1	28234	25.8	
90 4-Chlorotoluene	91	9.407	9.407	0.0	92	636863	20.0	
91 tert-Butylbenzene	119	9.551	9.551	0.0	91	586265	20.1	
92 1,2,4-Trimethylbenzene	105	9.601	9.601	0.0	90	705660	21.4	
93 sec-Butylbenzene	105	9.685	9.685	0.0	94	959886	19.9	
94 4-Isopropyltoluene	119	9.795	9.795	0.0	92	739732	20.3	
95 1,3-Dichlorobenzene	146	9.871	9.871	0.0	97	376508	19.9	
* 96 1,4-Dichlorobenzene-d4	115	9.930	9.930	0.0	96	134354	20.0	
97 1,4-Dichlorobenzene	146	9.947	9.947	0.0	88	365912	20.1	
98 n-Butylbenzene	91	10.149	10.149	0.0	95	772231	20.4	
99 1,2-Dichlorobenzene	146	10.317	10.317	0.0	97	332121	20.4	
100 1,2-Dibromo-3-Chloropropane	157	11.118	11.118	0.0	79	19661	21.0	
101 1,3,5-Trichlorobenzene	180	11.152	11.152	0.0	95	253873	0	
102 Hexachlorobutadiene	225	11.918	11.918	0.0	84	132631	20.5	
103 1,2,4-Trichlorobenzene	180	11.969	11.969	0.0	85	202695	21.1	
104 Naphthalene	128	12.458	12.458	0.0	97	296603	21.6	
105 1,2,3-Trichlorobenzene	180	12.753	12.753	0.0	94	159667	21.4	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Nov-2011 15:57:32 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55151.D

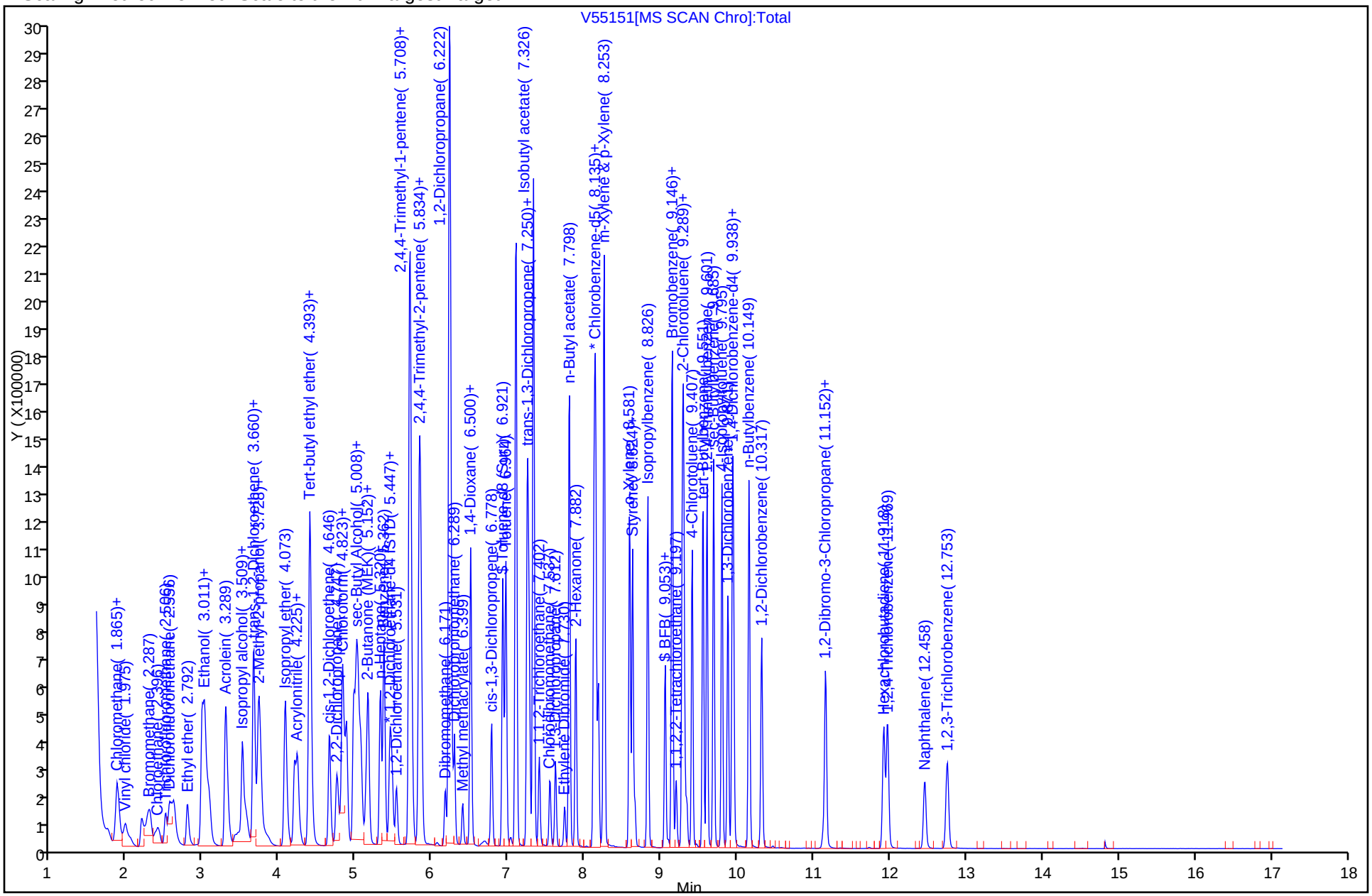
Injection Date: 28-Nov-2011 18:47:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 6

Operator ID: bw

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 30-Nov-2011 15:57:32 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55151.D

Injection Date: 28-Nov-2011 18:47:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

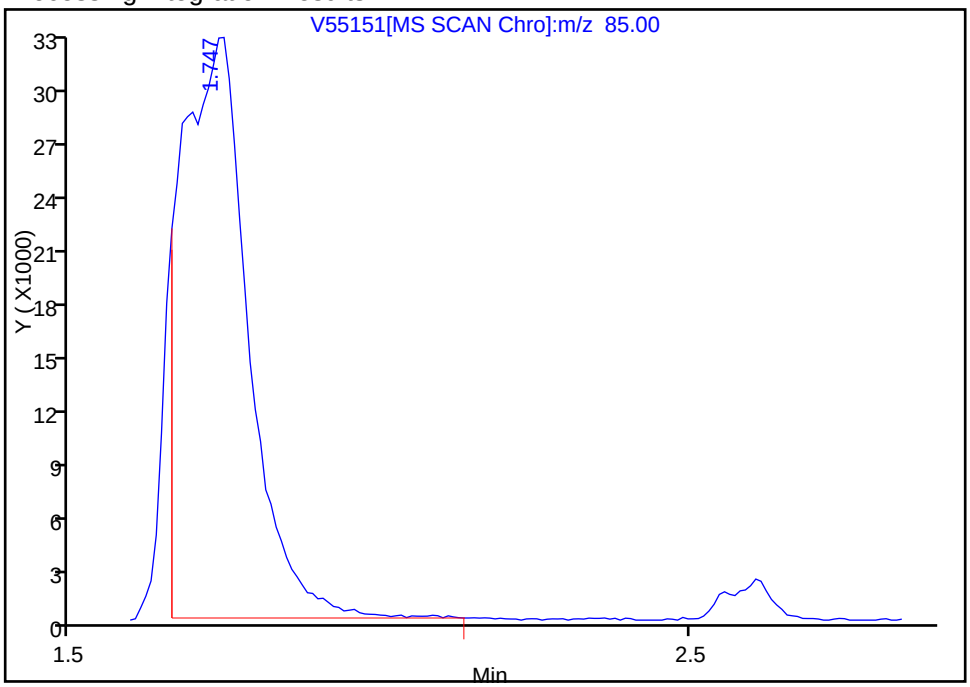
Lims Batch ID: 83953 Lims Sample ID: 6

Operator ID: bw

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

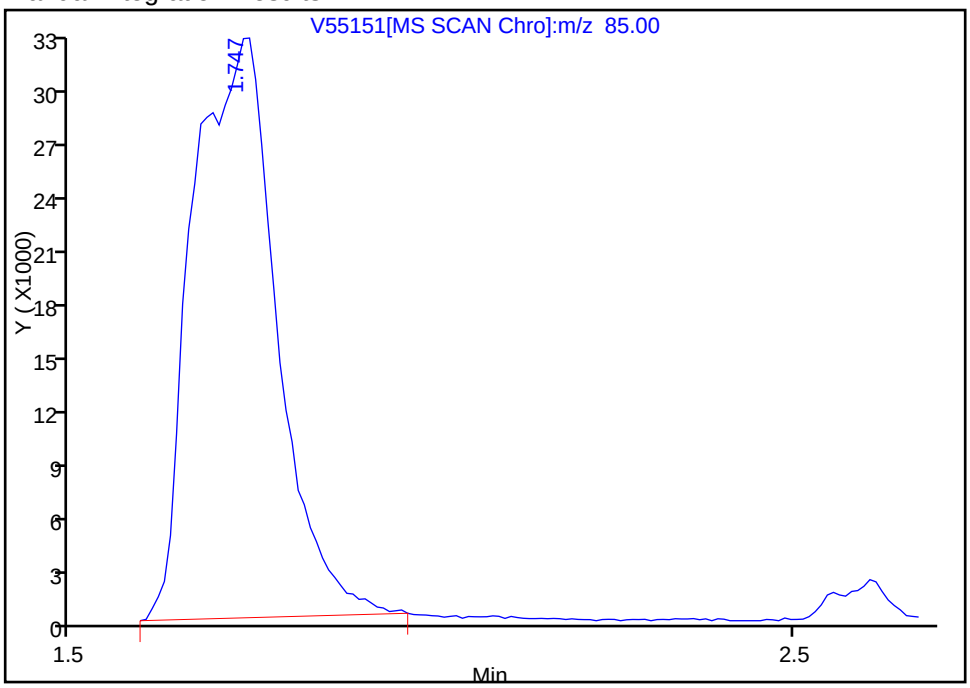
Processing Integration Results

RT: 1.75
Response: 244556
Amount: 18.841414



Manual Integration Results

RT: 1.75
Response: 259571
Amount: 17.968312



Reviewer: weigelb, 29-Nov-2011 08:52:49

Audit Action: Manually Integrated

Audit Reason: Split Peak

Report Date: 30-Nov-2011 15:57:32 Chrom Revision: 2.0 29-Sep-2011 09:38:02

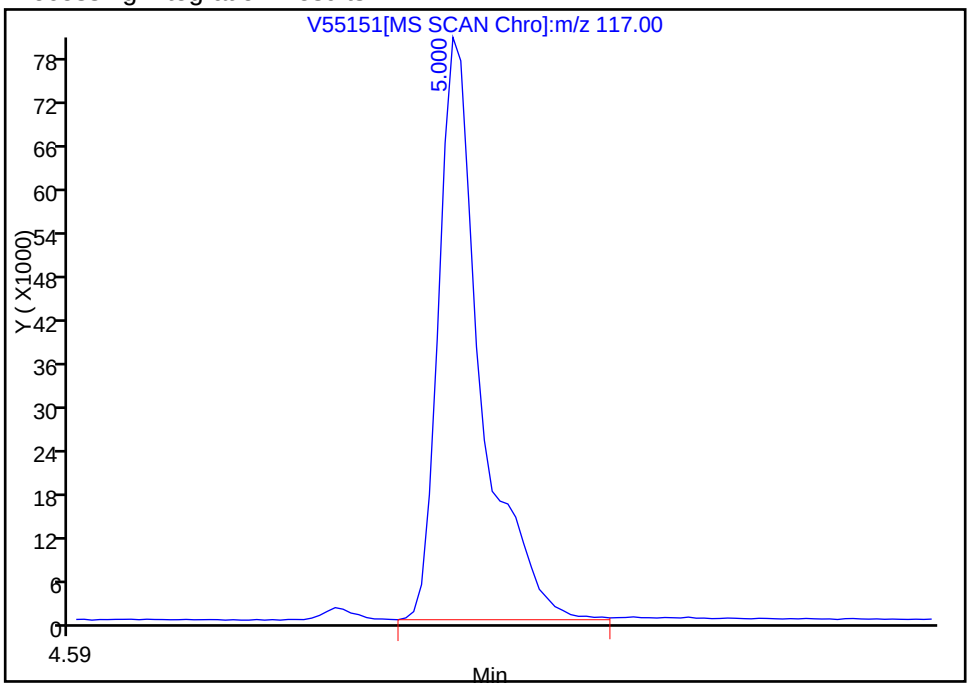
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55151.D		
Injection Date:	28-Nov-2011 18:47:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:		Instrument ID:	HP #1 GC/MS
Lims Batch ID:	83953	Lims Sample ID:	6
Operator ID:	bw		

33 Carbon tetrachloride, Signal: 1, m/z: 117.0 Type: quant, RT: 5.00

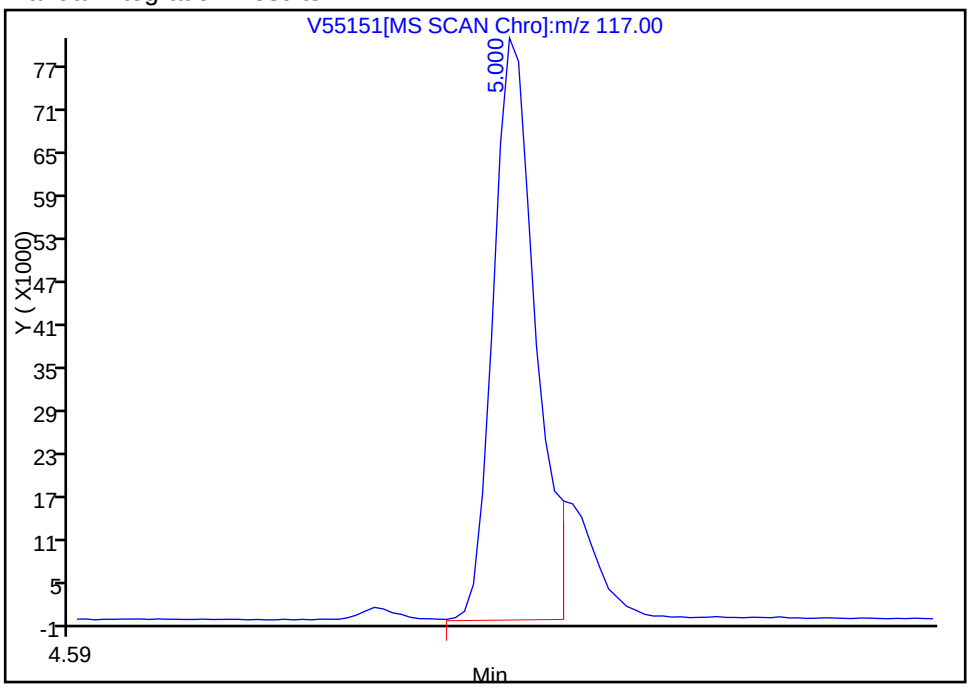
Processing Integration Results

RT: 5.00
Response: 254952
Amount: 16.977075



Manual Integration Results

RT: 5.00
Response: 224612
Amount: 19.078253



Reviewer: weigelb, 29-Nov-2011 08:52:49
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55152.D
Lims ID: STD40 Client ID:
Inject. Date: 28-Nov-2011 19:12:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD40
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 7
Lims Batch ID: 83953 Lims Sample ID: 7
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 14:21:40 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 29-Nov-2011 08:57:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.738	1.747	-0.009	98	548125	38.7	M
2 Chloromethane	50	1.873	1.865	0.008	99	682828	38.5	
3 Vinyl chloride	62	1.974	1.975	-0.001	71	555687	37.9	
4 Bromomethane	94	2.294	2.295	-0.001	90	337694	36.3	
5 Chloroethane	64	2.403	2.396	0.007	99	284049	44.0	
6 Trichlorofluoromethane	101	2.496	2.506	-0.010	90	593594	38.3	
7 Dichlorofluoromethane	67	2.606	2.607	-0.001	91	716671	0	
8 Ethyl ether	59	2.783	2.792	-0.009	93	247993	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.976	2.978	-0.002	70	302155	0	
9 1,1-Dichloroethene	96	2.985	2.986	-0.001	99	353046	37.9	
11 Ethanol	45	2.993	3.003	-0.010	19	76931	0	
10 Carbon disulfide	76	3.010	3.011	-0.001	99	1064297	38.5	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.069	3.070	-0.001	96	233987	37.7	
14 Acrolein	56	3.288	3.289	-0.001	94	1530840	0	
15 Isopropyl alcohol	45	3.465	3.466	-0.001	96	488126	0	
16 Methylene Chloride	84	3.507	3.509	-0.001	95	389866	36.7	
17 Acetone	43	3.550	3.559	-0.009	96	475284	441.7	
18 trans-1,2-Dichloroethene	61	3.651	3.652	-0.001	86	592247	38.2	
19 Methyl acetate	43	3.659	3.660	-0.001	97	1266735	404.1	
20 Hexane	57	3.718	3.719	-0.001	69	764023	0	
21 Methyl tert-butyl ether	73	3.743	3.744	-0.001	56	720808	40.4	
22 2-Methyl-2-propanol	59	3.836	3.837	-0.001	12	199811	0	
23 Isopropyl ether	45	4.072	4.073	-0.001	98	1336022	0	
24 1,1-Dichloroethane	63	4.190	4.191	-0.001	94	765079	38.8	
125 Halothane	117	4.232	4.233	-0.001	89	282325	0	
25 Acrylonitrile	53	4.241	4.242	-0.001	44	63885	40.3	
26 Tert-butyl ethyl ether	59	4.384	4.385	-0.001	44	1005877	0	
27 Vinyl acetate	43	4.392	4.393	-0.001	97	4232197	0	
28 cis-1,2-Dichloroethene	61	4.645	4.646	-0.001	83	574113	38.6	
29 2,2-Dichloropropane	77	4.746	4.747	-0.001	66	456966	35.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.822	4.823	-0.001	60	196830	0	
30 Cyclohexane	56	4.830	4.832	-0.002	83	656000	0	
32 Chloroform	83	4.873	4.874	-0.001	93	677292	38.0	
34 Ethyl acetate	43	4.965	4.966	-0.001	97	1664203	0	
36 sec-Butyl Alcohol	45	4.999	5.000	-0.001	72	837274	0	
33 Carbon tetrachloride	117	4.999	5.000	-0.001	92	431690	37.4	M
35 Tetrahydrofuran	42	5.016	5.008	0.008	57	472336	382.9	
$ 37 Dibromofluoromethane	113	5.033	5.034	-0.001	72	153429	19.7	
38 1,1,1-Trichloroethane	97	5.058	5.059	-0.001	48	546311	37.9	
39 2-Butanone (MEK)	43	5.134	5.135	-0.001	99	783592	423.2	
40 1,1-Dichloropropene	75	5.159	5.160	-0.001	90	521876	40.3	
41 n-Heptane	43	5.319	5.320	-0.001	93	593453	0	
42 Benzene	78	5.361	5.362	-0.001	96	1435822	39.2	
43 Tert-amyl methyl ether	73	5.446	5.447	-0.001	97	807952	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.471	5.472	-0.001	0	31105	20.0	
45 1,2-Dichloroethane	62	5.530	5.531	-0.001	91	361568	40.1	
* 46 Fluorobenzene	96	5.698	5.699	-0.001	50	645677	20.0	
48 Isopropyl acetate	43	5.707	5.708	-0.001	98	3081161	0	
47 2,4,4-Trimethyl-1-pentene	55	5.724	5.725	-0.001	82	275483	0	
50 Trichloroethene	95	5.825	5.826	-0.001	74	378047	36.5	
49 Methylcyclohexane	83	5.825	5.826	-0.001	86	600837	36.9	
51 2,4,4-Trimethyl-2-pentene	112	5.850	5.851	-0.001	89	218298	0	
52 Dibromomethane	93	6.170	6.171	-0.001	92	174837	41.1	
53 1,2-Dichloropropane	63	6.246	6.247	-0.001	64	309402	37.7	
54 Dichlorobromomethane	83	6.288	6.289	-0.001	95	441476	40.2	
55 Methyl methacrylate	69	6.398	6.399	-0.001	91	127812	0	
56 1,4-Dioxane	88	6.448	6.449	-0.001	58	15290	0	
57 n-Propyl acetate	43	6.499	6.500	-0.001	97	2099297	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.777	6.778	-0.001	90	531697	42.4	
$ 60 Toluene-d8 (Surr)	98	6.920	6.921	-0.001	82	654363	20.8	
61 Toluene	92	6.962	6.964	-0.002	93	896345	39.6	
63 4-Methyl-2-pentanone (MIBK)	43	7.240	7.242	-0.002	96	1538299	422.3	
62 Tetrachloroethene	166	7.257	7.258	-0.001	63	333774	38.4	
64 trans-1,3-Dichloropropene	75	7.274	7.275	-0.001	92	344719	41.1	
65 Isobutyl acetate	43	7.325	7.326	-0.001	94	3696816	0	
66 1,1,2-Trichloroethane	83	7.401	7.402	-0.001	90	166320	40.6	
67 Chlorodibromomethane	129	7.544	7.537	0.007	87	262850	33.3	
68 1,3-Dichloropropane	76	7.611	7.612	-0.001	91	357846	33.2	
69 Ethylene Dibromide	107	7.738	7.730	0.008	97	201085	32.5	
70 n-Butyl acetate	43	7.797	7.798	-0.001	99	2238735	0	
71 2-Hexanone	43	7.881	7.882	-0.001	95	1032292	430.3	
* 72 Chlorobenzene-d5	117	8.117	8.118	-0.001	85	443726	20.0	
73 Chlorobenzene	112	8.134	8.126	0.008	82	833878	38.2	
74 Ethylbenzene	91	8.142	8.143	-0.001	97	1487829	36.3	
75 1,1,1,2-Tetrachloroethane	131	8.176	8.177	-0.001	59	312446	38.6	
76 m-Xylene & p-Xylene	91	8.252	8.253	-0.001	97	2256678	93.2	
77 o-Xylene	91	8.589	8.581	0.008	96	1311272	37.6	
78 Styrene	104	8.622	8.624	-0.002	96	992643	39.5	
79 Bromoform	173	8.656	8.657	-0.001	81	138359	34.4	
80 Isopropylbenzene	105	8.825	8.826	-0.001	95	1647316	38.1	
$ 82 4-Bromofluorobenzene	95	9.052	9.053	-0.001	86	243959	19.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	9.052	9.053	-0.001	0	243959	0	
83 Bromobenzene	77	9.137	9.138	-0.002	57	584913	37.2	
84 N-Propylbenzene	91	9.145	9.146	-0.001	96	1803946	48.4	
85 1,1,2,2-Tetrachloroethane	83	9.195	9.197	-0.002	75	231466	42.0	
86 2-Chlorotoluene	91	9.280	9.272	0.008	95	1226160	47.0	
87 1,3,5-Trimethylbenzene	105	9.297	9.289	0.008	90	1253812	47.4	
88 1,2,3-Trichloropropane	110	9.313	9.315	-0.002	84	61115	38.8	
89 trans-1,4-Dichloro-2-butene	53	9.288	9.331	-0.043	29	38223	36.2	
90 4-Chlorotoluene	91	9.406	9.407	-0.001	93	1218970	38.1	
91 tert-Butylbenzene	119	9.549	9.551	-0.002	87	1105616	37.8	
92 1,2,4-Trimethylbenzene	105	9.600	9.601	-0.001	90	1310415	43.9	
93 sec-Butylbenzene	105	9.684	9.685	-0.001	95	1771796	36.6	
94 4-Isopropyltoluene	119	9.794	9.795	-0.001	89	1364727	37.2	
95 1,3-Dichlorobenzene	146	9.878	9.871	0.007	97	699523	36.8	
* 96 1,4-Dichlorobenzene-d4	115	9.929	9.930	-0.001	73	129305	20.0	
97 1,4-Dichlorobenzene	146	9.945	9.947	-0.002	90	668906	38.2	
98 n-Butylbenzene	91	10.148	10.149	-0.001	95	1395366	38.3	
99 1,2-Dichlorobenzene	146	10.316	10.317	-0.001	95	613061	39.2	
100 1,2-Dibromo-3-Chloropropane	157	11.125	11.118	0.007	78	38393	42.5	
101 1,3,5-Trichlorobenzene	180	11.159	11.152	0.007	94	475322	0	
102 Hexachlorobutadiene	225	11.917	11.918	-0.001	85	253546	40.6	
103 1,2,4-Trichlorobenzene	180	11.968	11.969	-0.001	85	374244	40.4	
104 Naphthalene	128	12.457	12.458	-0.001	97	572491	43.3	
105 1,2,3-Trichlorobenzene	180	12.752	12.753	-0.001	95	303429	42.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Nov-2011 14:21:40 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55152.D

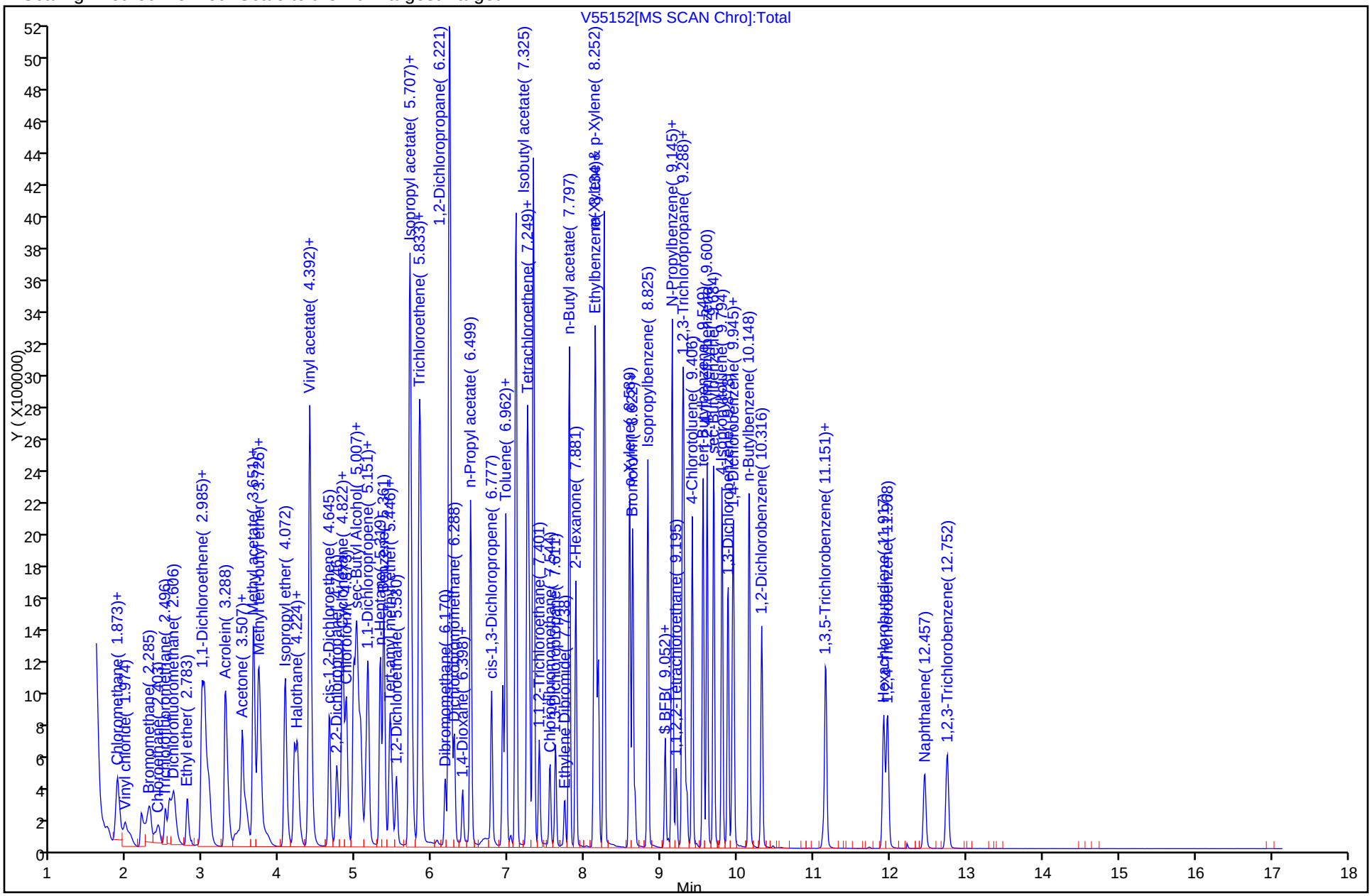
Injection Date: 28-Nov-2011 19:12:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 7

Operator ID: bw

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 30-Nov-2011 14:21:40 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55152.D

Injection Date: 28-Nov-2011 19:12:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

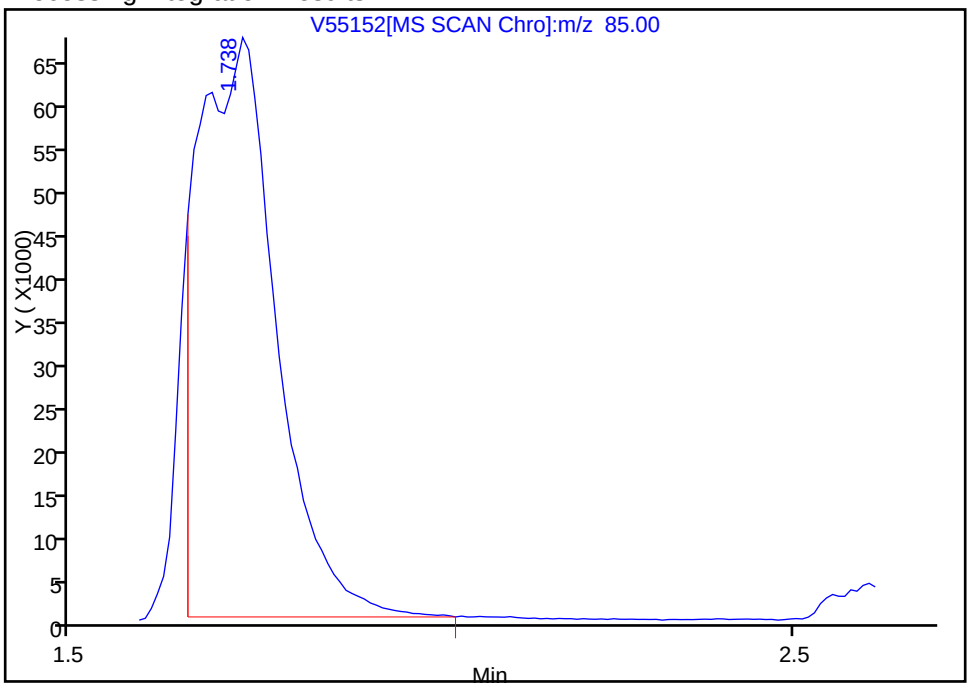
Lims Batch ID: 83953 Lims Sample ID: 7

Operator ID: bw

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

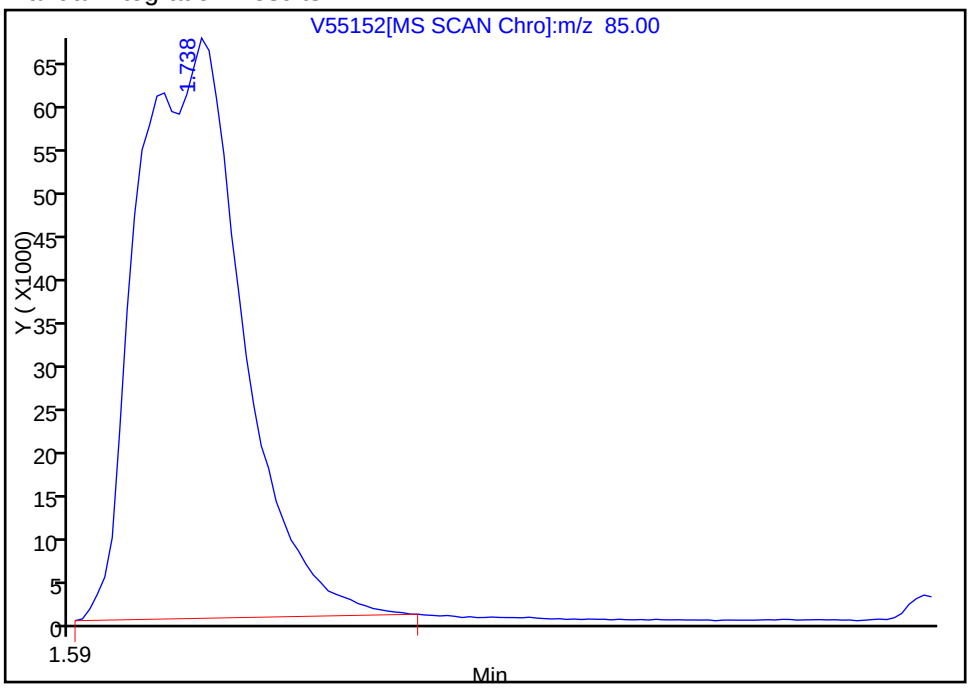
Processing Integration Results

RT: 1.74
Response: 511408
Amount: 37.050097



Manual Integration Results

RT: 1.74
Response: 548125
Amount: 38.695867



Reviewer: weigelb, 30-Nov-2011 10:22:20

Audit Action: Manually Integrated

Audit Reason: Split Peak

Report Date: 30-Nov-2011 14:21:40 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55152.D

Injection Date: 28-Nov-2011 19:12:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

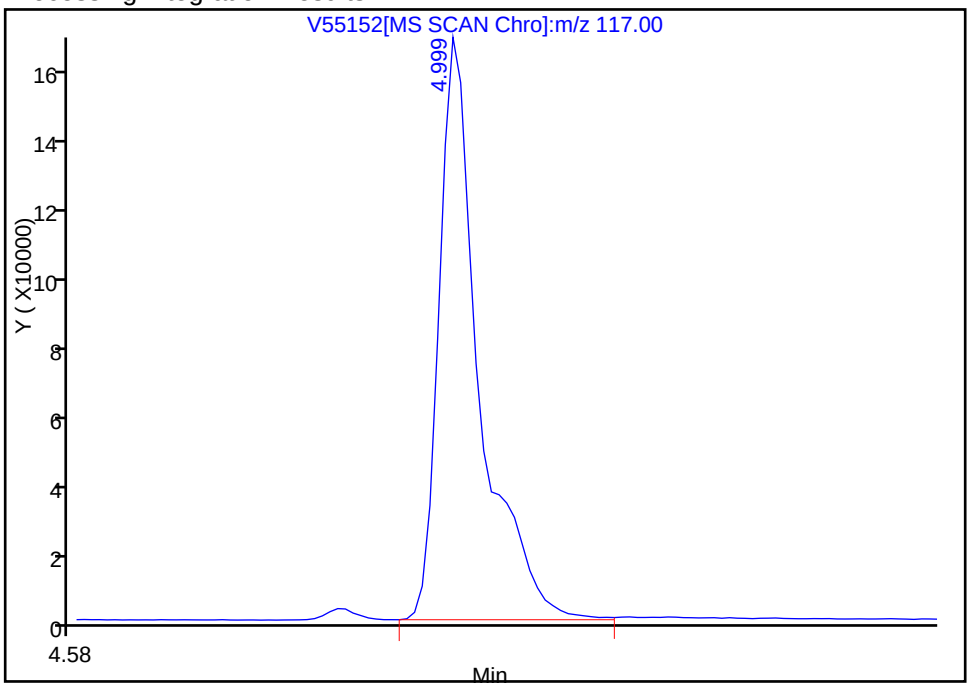
Lims Batch ID: 83953 Lims Sample ID: 7

Operator ID: bw

33 Carbon tetrachloride, Signal: 1, m/z: 117.0 Type: quant, RT: 5.00

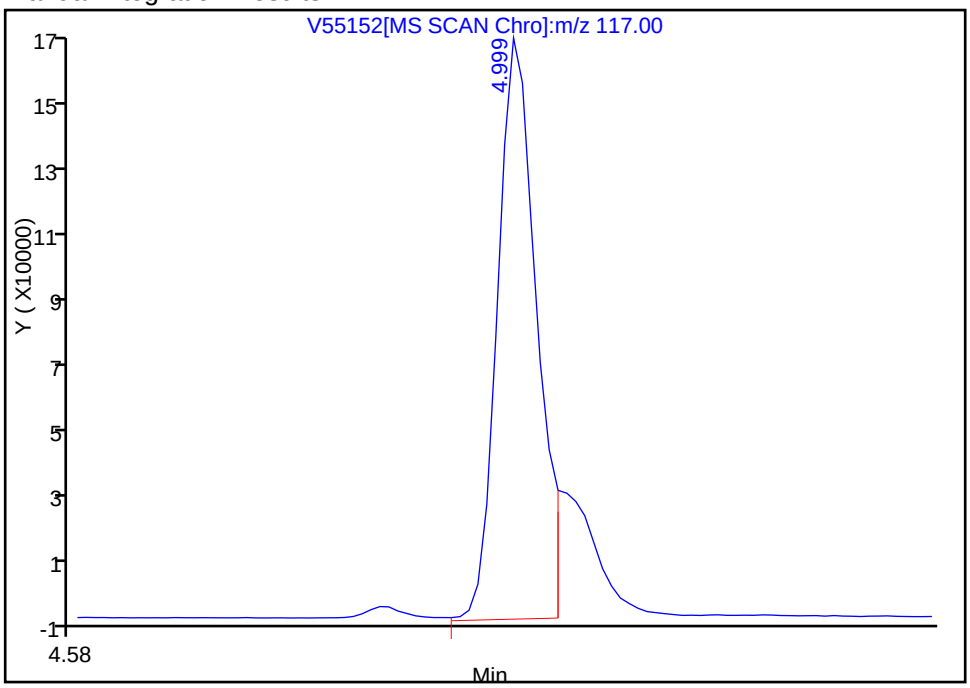
Processing Integration Results

RT: 5.00
Response: 510237
Amount: 42.019817



Manual Integration Results

RT: 5.00
Response: 431690
Amount: 37.394825



Reviewer: weigelb, 29-Nov-2011 09:09:00
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Lims ID: STD160 Client ID:
Inject. Date: 28-Nov-2011 19:38:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD80
Misc. Info.:
Operator: bw Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 83953 Lims Sample ID: 8
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 14:21:41 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 29-Nov-2011 08:58:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.737	1.747	-0.010	100	2039075	193.4	M
2 Chloromethane	50	1.881	1.865	0.016	99	2398826	181.9	
3 Vinyl chloride	62	1.973	1.975	-0.002	75	1934020	177.4	
4 Bromomethane	94	2.294	2.295	-0.001	91	965252	139.5	
5 Chloroethane	64	2.403	2.396	0.007	100	731258	158.9	
6 Trichlorofluoromethane	101	2.496	2.506	-0.010	78	1845975	159.8	
7 Dichlorofluoromethane	67	2.605	2.607	-0.002	94	2107022	0	
8 Ethyl ether	59	2.782	2.792	-0.010	93	771176	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.976	2.978	-0.002	68	1002690	0	
9 1,1-Dichloroethene	96	2.976	2.986	-0.010	97	1081100	156.1	
11 Ethanol	45	3.060	3.003	0.057	21	227863	0	
10 Carbon disulfide	76	3.010	3.011	-0.001	99	3167767	153.9	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.069	3.070	-0.001	94	793162	171.6	
14 Acrolein	56	3.288	3.289	-0.001	95	4196307	0	
15 Isopropyl alcohol	45	3.473	3.466	0.007	86	1863467	0	
16 Methylene Chloride	84	3.507	3.509	-0.001	94	1291127	165.5	
17 Acetone	43	3.558	3.559	-0.001	94	1552956	1564.0	
18 trans-1,2-Dichloroethene	61	3.650	3.652	-0.002	91	1840768	159.3	
19 Methyl acetate	43	3.659	3.660	-0.001	94	4170868	1787.0	M
20 Hexane	57	3.718	3.719	-0.001	71	2436016	0	
21 Methyl tert-butyl ether	73	3.743	3.744	-0.001	56	2527359	190.0	
22 2-Methyl-2-propanol	59	3.853	3.837	0.016	12	737220	0	
23 Isopropyl ether	45	4.072	4.073	-0.001	97	4591823	0	
24 1,1-Dichloroethane	63	4.190	4.191	-0.001	94	2620436	178.7	
125 Halothane	117	4.232	4.233	-0.001	88	1018239	0	
25 Acrylonitrile	53	4.240	4.242	-0.002	41	223832	189.7	
26 Tert-butyl ethyl ether	59	4.375	4.385	-0.010	68	3219043	0	
27 Vinyl acetate	43	4.400	4.393	0.007	97	12172168	0	
28 cis-1,2-Dichloroethene	61	4.645	4.646	-0.001	83	2009554	181.6	
29 2,2-Dichloropropane	77	4.746	4.747	-0.001	63	1534015	157.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.822	4.823	-0.001	75	680084	0	
30 Cyclohexane	56	4.830	4.832	-0.002	84	2076743	0	
32 Chloroform	83	4.881	4.874	0.007	93	2310165	174.3	
34 Ethyl acetate	43	4.965	4.966	-0.001	99	5924618	0	
36 sec-Butyl Alcohol	45	5.032	5.000	0.032	78	2867056	0	
33 Carbon tetrachloride	117	5.007	5.000	0.007	91	1560872	181.6	M
35 Tetrahydrofuran	42	5.015	5.008	0.007	77	1692351	1842.5	
$ 37 Dibromofluoromethane	113	5.032	5.034	-0.002	28	126478	21.8	
38 1,1,1-Trichloroethane	97	5.066	5.059	0.007	65	1965292	183.2	
39 2-Butanone (MEK)	43	5.133	5.135	-0.002	96	2612281	1516.0	
40 1,1-Dichloropropene	75	5.159	5.160	-0.001	89	1709909	177.4	
41 n-Heptane	43	5.319	5.320	-0.001	92	1938440	0	
42 Benzene	78	5.369	5.362	0.007	95	4685680	171.6	
43 Tert-amyl methyl ether	73	5.445	5.447	-0.002	88	2923047	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.479	5.472	0.007	0	28946	20.0	
45 1,2-Dichloroethane	62	5.529	5.531	-0.002	92	1413480	210.6	
* 46 Fluorobenzene	96	5.690	5.699	-0.009	42	480698	20.0	
48 Isopropyl acetate	43	5.706	5.708	-0.002	99	9708111	0	
47 2,4,4-Trimethyl-1-pentene	55	5.740	5.725	0.015	95	825556	0	
50 Trichloroethene	95	5.833	5.826	0.007	84	1091835	141.6	
49 Methylcyclohexane	83	5.833	5.826	0.007	84	1727872	142.7	
51 2,4,4-Trimethyl-2-pentene	112	5.858	5.851	0.007	87	694218	0	
52 Dibromomethane	93	6.170	6.171	-0.001	86	657249	207.3	
53 1,2-Dichloropropane	63	6.254	6.247	0.007	63	805186	131.8	
54 Dichlorobromomethane	83	6.296	6.289	0.007	97	1666358	204.0	
55 Methyl methacrylate	69	6.397	6.399	-0.002	91	558869	0	
56 1,4-Dioxane	88	6.465	6.449	0.016	73	57885	0	
57 n-Propyl acetate	43	6.507	6.500	0.007	98	7476348	0	
58 2-Chloroethyl vinyl ether	63	6.726	6.708	0.018	45	37958	0	
59 cis-1,3-Dichloropropene	75	6.777	6.778	-0.001	85	1951772	209.2	
$ 60 Toluene-d8 (Surr)	98	6.928	6.921	0.007	82	632644	27.1	
61 Toluene	92	6.970	6.964	0.006	92	2920969	173.1	
63 4-Methyl-2-pentanone (MIBK)	43	7.249	7.242	0.007	96	4120602	1215.6	
62 Tetrachloroethene	166	7.265	7.258	0.007	75	1025536	158.6	
64 trans-1,3-Dichloropropene	75	7.282	7.275	0.007	93	1276012	204.6	
65 Isobutyl acetate	43	7.333	7.326	0.007	83	10082513	0	
66 1,1,2-Trichloroethane	83	7.409	7.402	0.007	80	627971	205.8	
67 Chlorodibromomethane	129	7.543	7.537	0.006	87	1036588	161.9	
68 1,3-Dichloropropane	76	7.619	7.612	0.007	90	1414153	162.0	
69 Ethylene Dibromide	107	7.737	7.730	0.007	98	820920	162.1	
70 n-Butyl acetate	43	7.796	7.798	-0.002	98	6921079	0	
71 2-Hexanone	43	7.881	7.882	-0.001	95	3420228	1532.0	
* 72 Chlorobenzene-d5	117	8.116	8.118	-0.002	59	381938	20.0	
73 Chlorobenzene	112	8.133	8.126	0.007	88	2507876	133.5	
74 Ethylbenzene	91	8.150	8.143	0.007	97	4159930	118.0	
75 1,1,1,2-Tetrachloroethane	131	8.184	8.177	0.007	71	1070719	153.8	
76 m-Xylene & p-Xylene	91	8.260	8.253	0.007	97	6198077	315.9	
77 o-Xylene	91	8.588	8.581	0.007	97	3861926	128.6	
78 Styrene	104	8.631	8.624	0.007	87	3010229	139.3	
79 Bromoform	173	8.664	8.657	0.007	65	536897	161.6	
80 Isopropylbenzene	105	8.824	8.826	-0.002	96	4850336	130.2	
$ 82 4-Bromofluorobenzene	95	9.052	9.053	-0.001	82	224905	21.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	8.175	9.053	-0.878	0	409819	0	
83 Bromobenzene	77	9.145	9.138	0.007	61	1640079	121.1	
84 N-Propylbenzene	91	9.153	9.146	0.007	96	4703920	157.4	
85 1,1,2,2-Tetrachloroethane	83	9.195	9.197	-0.002	77	796889	187.0	
86 2-Chlorotoluene	91	9.279	9.272	0.007	93	3329280	157.8	
87 1,3,5-Trimethylbenzene	105	9.296	9.289	0.007	86	3357357	157.7	
88 1,2,3-Trichloropropane	110	9.322	9.315	0.007	87	201266	148.4	
89 trans-1,4-Dichloro-2-butene	53	9.296	9.331	-0.035	32	102128	160.3	
90 4-Chlorotoluene	91	9.414	9.407	0.007	94	3556224	129.2	
91 tert-Butylbenzene	119	9.549	9.551	-0.002	87	3196797	127.0	
92 1,2,4-Trimethylbenzene	105	9.608	9.601	0.007	20	3764708	158.6	
93 sec-Butylbenzene	105	9.692	9.685	0.007	95	4966512	119.2	
94 4-Isopropyltoluene	119	9.802	9.795	0.007	92	3866013	122.4	
95 1,3-Dichlorobenzene	146	9.878	9.871	0.007	96	2055185	125.8	
* 96 1,4-Dichlorobenzene-d4	115	9.937	9.930	0.007	90	99941	20.0	
97 1,4-Dichlorobenzene	146	9.954	9.947	0.007	91	2046697	151.2	
98 n-Butylbenzene	91	10.156	10.149	0.007	94	3734008	132.7	
99 1,2-Dichlorobenzene	146	10.324	10.317	0.007	96	1854945	153.3	
100 1,2-Dibromo-3-Chloropropane	157	11.125	11.118	0.007	81	137701	197.3	
101 1,3,5-Trichlorobenzene	180	11.159	11.152	0.007	92	1519557	0	
102 Hexachlorobutadiene	225	11.925	11.918	0.007	84	779353	161.6	
103 1,2,4-Trichlorobenzene	180	11.976	11.969	0.007	84	1234863	172.4	
104 Naphthalene	128	12.456	12.458	-0.002	97	2009403	196.8	
105 1,2,3-Trichlorobenzene	180	12.760	12.753	0.007	94	1038866	187.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Nov-2011 14:21:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D

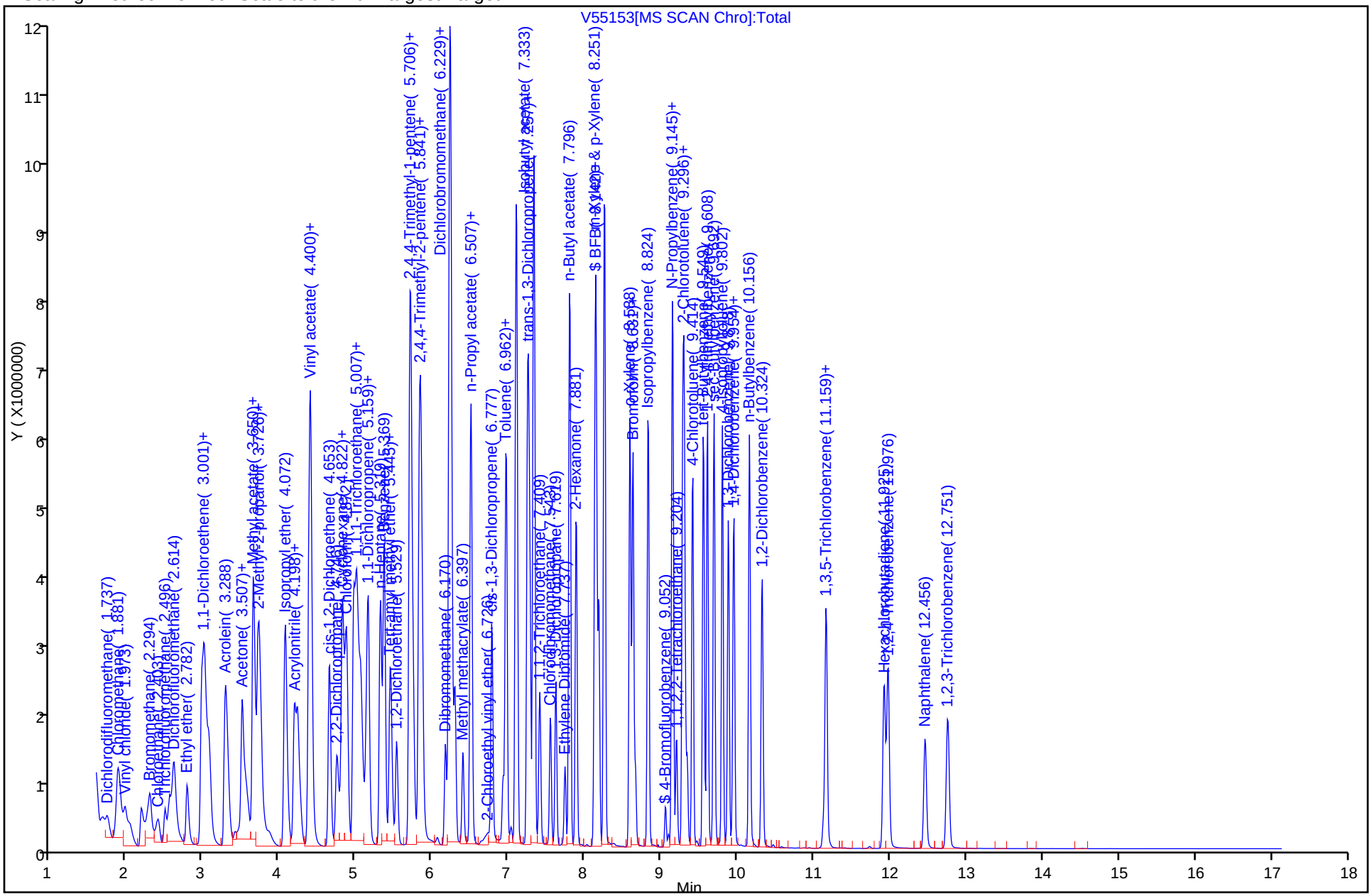
Injection Date: 28-Nov-2011 19:38:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 8

Operator ID: bw

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 30-Nov-2011 14:21:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02

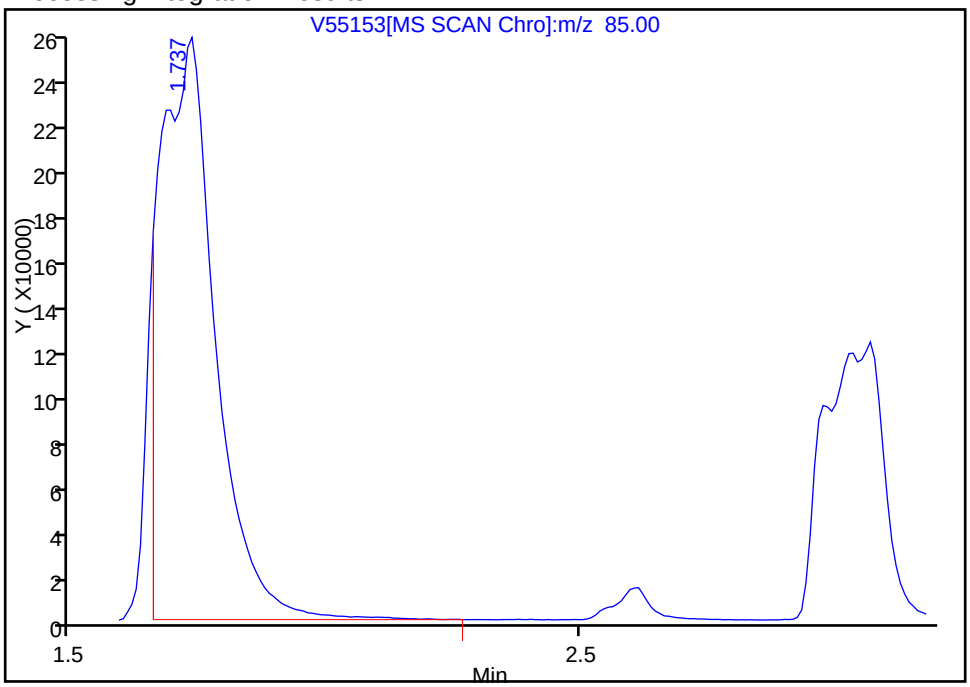
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D		
Injection Date:	28-Nov-2011 19:38:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:		Instrument ID:	HP #1 GC/MS
Lims Batch ID:	83953	Lims Sample ID:	8
Operator ID:	bw		

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.75

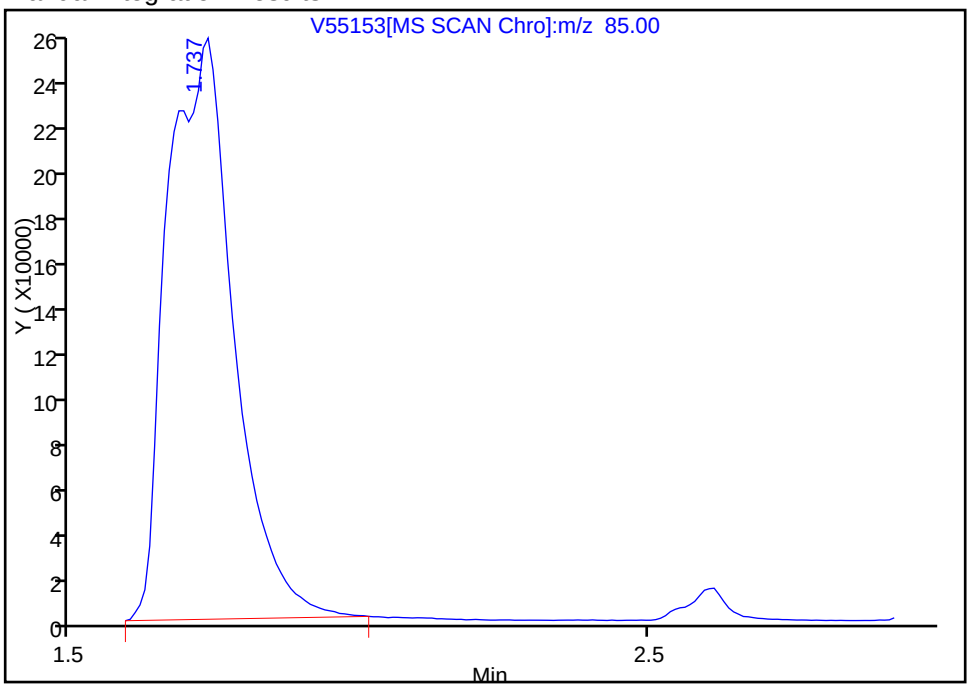
Processing Integration Results

RT: 1.74
Response: 1935816
Amount: 190.0828



Manual Integration Results

RT: 1.74
Response: 2039075
Amount: 193.3576



Reviewer: weigelb, 30-Nov-2011 10:22:07
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 30-Nov-2011 14:21:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D

Injection Date: 28-Nov-2011 19:38:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

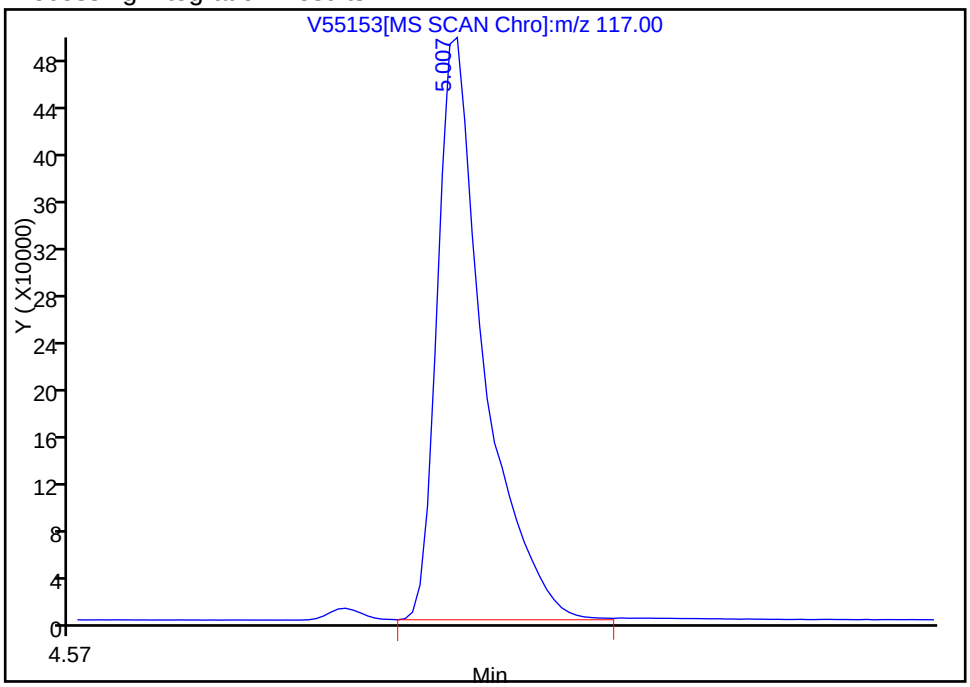
Lims Batch ID: 83953 Lims Sample ID: 8

Operator ID: bw

33 Carbon tetrachloride, Signal: 1, m/z: 117.0 Type: quant, RT: 5.00

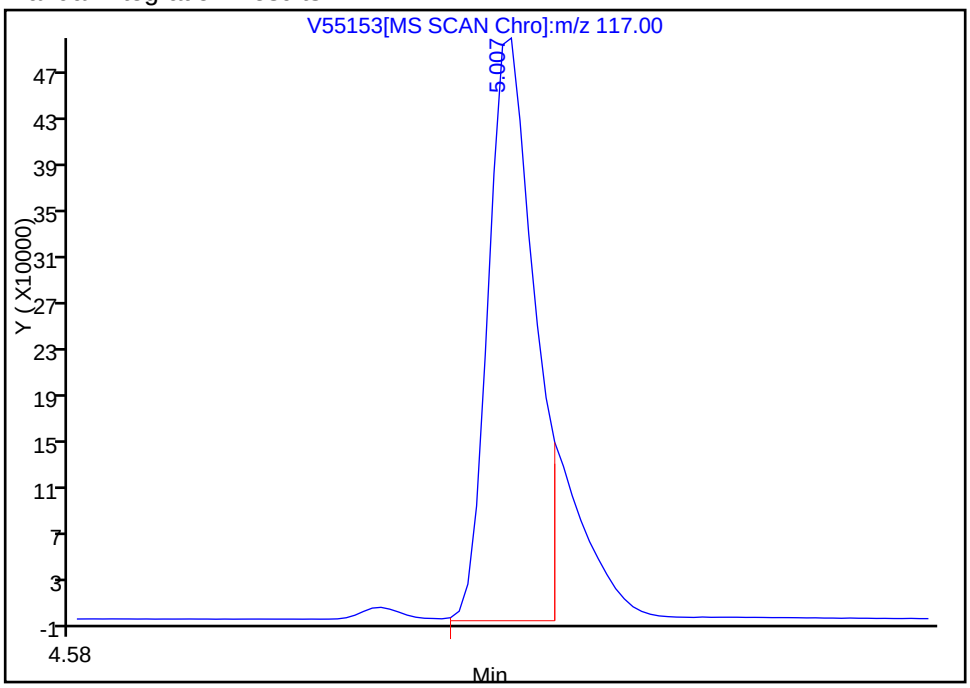
Processing Integration Results

RT: 5.01
Response: 1826141
Amount: 206.7809



Manual Integration Results

RT: 5.01
Response: 1560872
Amount: 181.6142



Reviewer: weigelb, 29-Nov-2011 15:41:14

Audit Action: Manually Integrated

Audit Reason: Shouldering

Report Date: 30-Nov-2011 14:21:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D

Injection Date: 28-Nov-2011 19:38:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 8

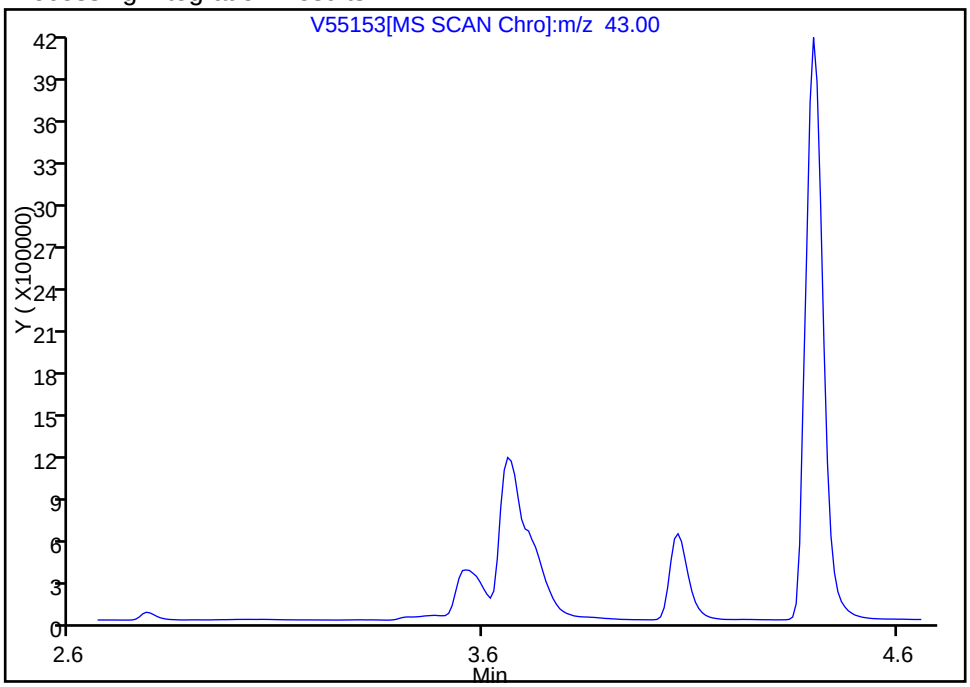
Operator ID: bw

19 Methyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.66

Not Detected

Expected RT: 3.66

Processing Integration Results

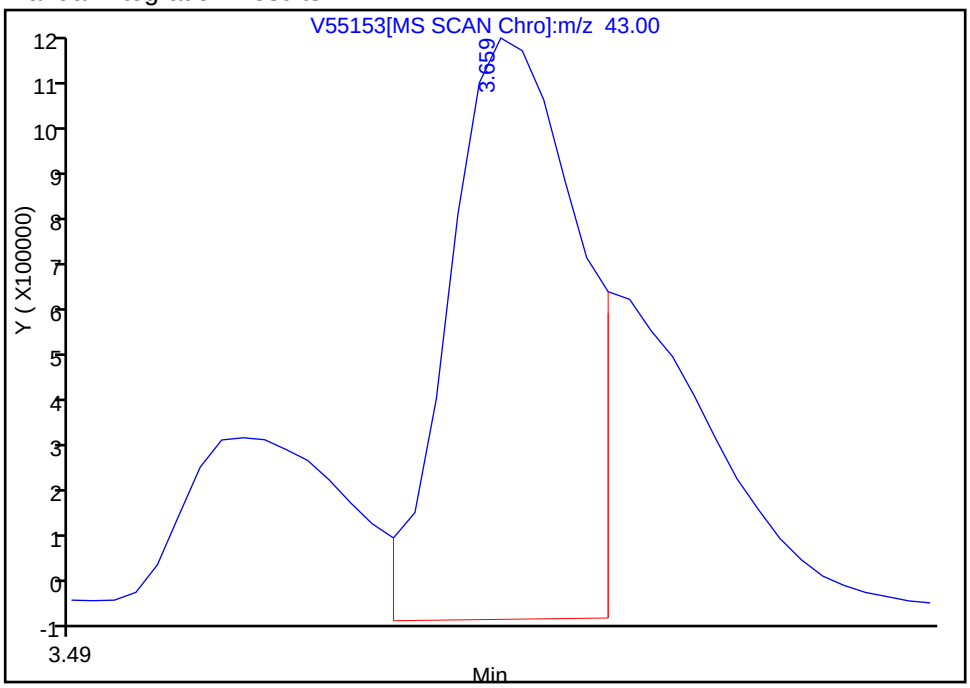


Manual Integration Results

RT: 3.66

Response: 4170868

Amount: 1786.9879



Reviewer: weigelb, 30-Nov-2011 10:34:44

Audit Action: Manually Integrated

Audit Reason: Wrong peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCVIS 360-84698/2 Calibration Date: 12/12/2011 16:30

Instrument ID: HP #1 GC/MS Calib Start Date: 11/28/2011 17:05

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/28/2011 19:38

Lab File ID: V55291.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4388	0.4085		93.0	100	-6.9	30.0
Chloromethane	Ave	0.5487	0.5869	0.1000	107	100	7.0	30.0
Vinyl chloride	Ave	0.4537	0.4332		95.5	100	-4.5	20.0
Bromomethane	Ave	0.2879	0.2730		95.0	100	-5.2	30.0
Chloroethane	Lin		0.2451		116	100	16.0	30.0
Trichlorofluoromethane	Ave	0.4807	0.4426		92.0	100	-7.9	30.0
1,1-Dichloroethene	Ave	0.2882	0.2900		101	100	0.6	20.0
Carbon disulfide	Ave	0.8562	0.9027		106	100	5.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1924	0.1849		96.0	100	-3.9	30.0
Methylene Chloride	Lin1		0.3142		93.5	100	-6.5	30.0
Acetone	Lin2		0.6192		880	1000	-12.1	30.0
Methyl acetate	Ave	0.0971	0.1004		1030	1000	3.4	30.0
trans-1,2-Dichloroethene	Ave	0.4806	0.4963		104	100	3.3	30.0
Methyl tert-butyl ether	Ave	0.5533	0.5456		98.5	100	-1.4	30.0
1,1-Dichloroethane	Ave	0.6101	0.6073	0.1000	99.5	100	-0.5	30.0
Acrylonitrile	Ave	0.0491	0.0494		101	100	0.6	30.0
cis-1,2-Dichloroethene	Ave	0.4605	0.4607		100	100	0.0	30.0
2,2-Dichloropropane	Ave	0.4048	0.4175		103	100	3.1	30.0
Chloroform	Ave	0.5514	0.5327		96.5	100	-3.4	20.0
Carbon tetrachloride	Ave	0.3576	0.3916		110	100	9.5	30.0
Tetrahydrofuran	Ave	0.0382	0.0385		1010	1000	0.6	30.0
1,1,1-Trichloroethane	Ave	0.4463	0.4339		97.0	100	-2.8	30.0
2-Butanone (MEK)	Ave	1.191	1.127		947	1000	-5.3	30.0
1,1-Dichloropropene	Ave	0.4011	0.4262		106	100	6.2	30.0
Benzene	Ave	1.136	1.166		103	100	2.7	30.0
1,2-Dichloroethane	Ave	0.2793	0.2563		92.0	100	-8.2	30.0
Methylcyclohexane	Ave	0.5039	0.5428		108	100	7.7	30.0
Trichloroethene	Ave	0.3207	0.3258		102	100	1.6	30.0
Dibromomethane	Ave	0.1319	0.1312		99.5	100	-0.5	30.0
1,2-Dichloropropane	Ave	0.2541	0.2752		109	100	8.3	20.0
Dichlorobromomethane	Ave	0.3399	0.3452		102	100	1.6	30.0
cis-1,3-Dichloropropene	Ave	0.3882	0.4063		105	100	4.7	30.0
Toluene	Ave	0.7019	0.7248		104	100	3.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	2.342	2.549		1090	1000	8.8	30.0
Tetrachloroethene	Ave	0.2691	0.2599		96.5	100	-3.4	30.0
trans-1,3-Dichloropropene	Ave	0.2595	0.2596		100	100	0.0	30.0
1,1,2-Trichloroethane	Ave	0.1270	0.1246		98.0	100	-1.9	30.0
Chlorodibromomethane	Lin		0.1749		81.0	100	-19.0	30.0
1,3-Dichloropropane	Lin		0.2603		87.0	100	-13.0	30.0
Ethylene Dibromide	Lin		0.1353		81.0	100	-19.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCVIS 360-84698/2 Calibration Date: 12/12/2011 16:30

Instrument ID: HP #1 GC/MS Calib Start Date: 11/28/2011 17:05

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/28/2011 19:38

Lab File ID: V55291.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Hexanone	Ave	1.542	1.541		1000	1000	-0.0	30.0
Chlorobenzene	Ave	0.9835	0.9243	0.3000	94.0	100	-6.0	30.0
Ethylbenzene	Ave	1.845	1.837		99.5	100	-0.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3645	0.3444		94.5	100	-5.5	30.0
m-Xylene & p-Xylene	Lin		1.397		237	200	18.3	30.0
o-Xylene	Ave	1.572	1.581		101	100	0.6	30.0
Styrene	Ave	1.132	1.051		93.0	100	-7.2	30.0
Bromoform	Lin		0.4242	0.1000	76.5	100	-23.5	30.0
Isopropylbenzene	Ave	1.951	1.956		101	100	0.3	30.0
Bromobenzene	Ave	0.7093	0.6878		97.0	100	-3.0	30.0
N-Propylbenzene	Lin		2.305		126	100	25.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8529	0.8519	0.3000	100	100	-0.1	30.0
2-Chlorotoluene	Lin		1.510		118	100	18.0	30.0
1,3,5-Trimethylbenzene	Lin		1.514		116	100	16.0	30.0
1,2,3-Trichloropropane	Ave	0.0710	0.0596		84.0	100	-16.2	30.0
trans-1,4-Dichloro-2-butene	Qua		0.0584		117	100	16.5	30.0
4-Chlorotoluene	Ave	1.441	1.371		95.0	100	-4.9	30.0
tert-Butylbenzene	Ave	1.318	1.306		99.0	100	-0.9	30.0
1,2,4-Trimethylbenzene	Lin		1.539		102	100	2.0	30.0
sec-Butylbenzene	Ave	2.182	2.193		101	100	0.5	30.0
4-Isopropyltoluene	Ave	1.655	1.623		98.0	100	-1.9	30.0
1,3-Dichlorobenzene	Ave	0.8558	0.7669		89.5	100	-10.4	30.0
1,4-Dichlorobenzene	Ave	2.709	2.476		91.5	100	-8.6	30.0
n-Butylbenzene	Ave	5.631	6.225		111	100	10.5	30.0
1,2-Dichlorobenzene	Ave	2.422	2.285		94.5	100	-5.7	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1397	0.1198		86.0	100	-14.2	30.0
Hexachlorobutadiene	Ave	0.9652	0.9218		95.5	100	-4.5	30.0
1,2,4-Trichlorobenzene	Ave	1.433	1.364		95.0	100	-4.8	30.0
Naphthalene	Ave	2.043	2.030		99.5	100	-0.7	30.0
1,2,3-Trichlorobenzene	Ave	1.109	1.061		95.5	100	-4.3	30.0
Dibromofluoromethane	Ave	0.2411	0.2362		98.0	100	-2.0	30.0
Toluene-d8 (Surr)	Ave	0.9722	0.9659		99.5	100	-0.6	30.0
4-Bromofluorobenzene	Ave	0.5516	0.5471		99.0	100	-0.8	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55291.D
Lims ID: CCVIS Client ID:
Inject. Date: 12-Dec-2011 16:30:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 8260LL =8260LL
Operator: BW Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 84698 Lims Sample ID: 2
Sublist: chrom-WES1SOIL*sub22
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m
Last Update: 13-Dec-2011 12:33:56 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 13-Dec-2011 11:10:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	85	1.731	1.731	0.0	97	295340	18.6	M
2 Chloromethane	50	1.857	1.857	0.0	89	424371	21.4	
3 Vinyl chloride	62	1.958	1.958	0.0	81	313181	19.1	
4 Bromomethane	94	2.278	2.278	0.0	89	197389	19.0	
5 Chloroethane	64	2.379	2.379	0.0	95	177180	23.2	
6 Trichlorofluoromethane	101	2.481	2.481	0.0	78	319993	18.4	
7 Dichlorofluoromethane	67	2.582	2.582	0.0	90	420259	0	
8 Ethyl ether	59	2.767	2.767	0.0	94	139627	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.961	2.961	0.0	68	169041	0	
9 1,1-Dichloroethene	96	2.961	2.961	0.0	97	209677	20.1	
11 Ethanol	45	2.978	2.978	0.0	19	49180	0	
10 Carbon disulfide	76	2.995	2.995	0.0	99	652661	21.1	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.045	3.045	0.0	82	133661	19.2	
14 Acrolein	56	3.273	3.273	0.0	96	761729	0	
15 Isopropyl alcohol	45	3.450	3.450	0.0	87	274889	0	
16 Methylene Chloride	84	3.492	3.492	0.0	96	227183	18.7	
17 Acetone	43	3.534	3.534	0.0	93	222498	175.9	
18 trans-1,2-Dichloroethene	61	3.635	3.635	0.0	72	358830	20.7	
19 Methyl acetate	43	3.635	3.635	0.0	98	725733	206.7	
20 Hexane	57	3.702	3.702	0.0	70	427662	0	
21 Methyl tert-butyl ether	73	3.728	3.728	0.0	59	394448	19.7	
22 2-Methyl-2-propanol	59	3.804	3.804	0.0	12	102541	0	
23 Isopropyl ether	45	4.048	4.048	0.0	98	816282	0	
24 1,1-Dichloroethane	63	4.166	4.166	0.0	94	439122	19.9	
125 Halothane	117	4.208	4.208	0.0	89	155324	0	
25 Acrylonitrile	53	4.216	4.216	0.0	43	35718	20.1	
26 Tert-butyl ethyl ether	59	4.360	4.360	0.0	49	600645	0	
27 Vinyl acetate	43	4.377	4.377	0.0	97	2294349	0	
28 cis-1,2-Dichloroethene	61	4.629	4.629	0.0	82	333094	20.0	
29 2,2-Dichloropropane	77	4.722	4.722	0.0	65	301878	20.6	

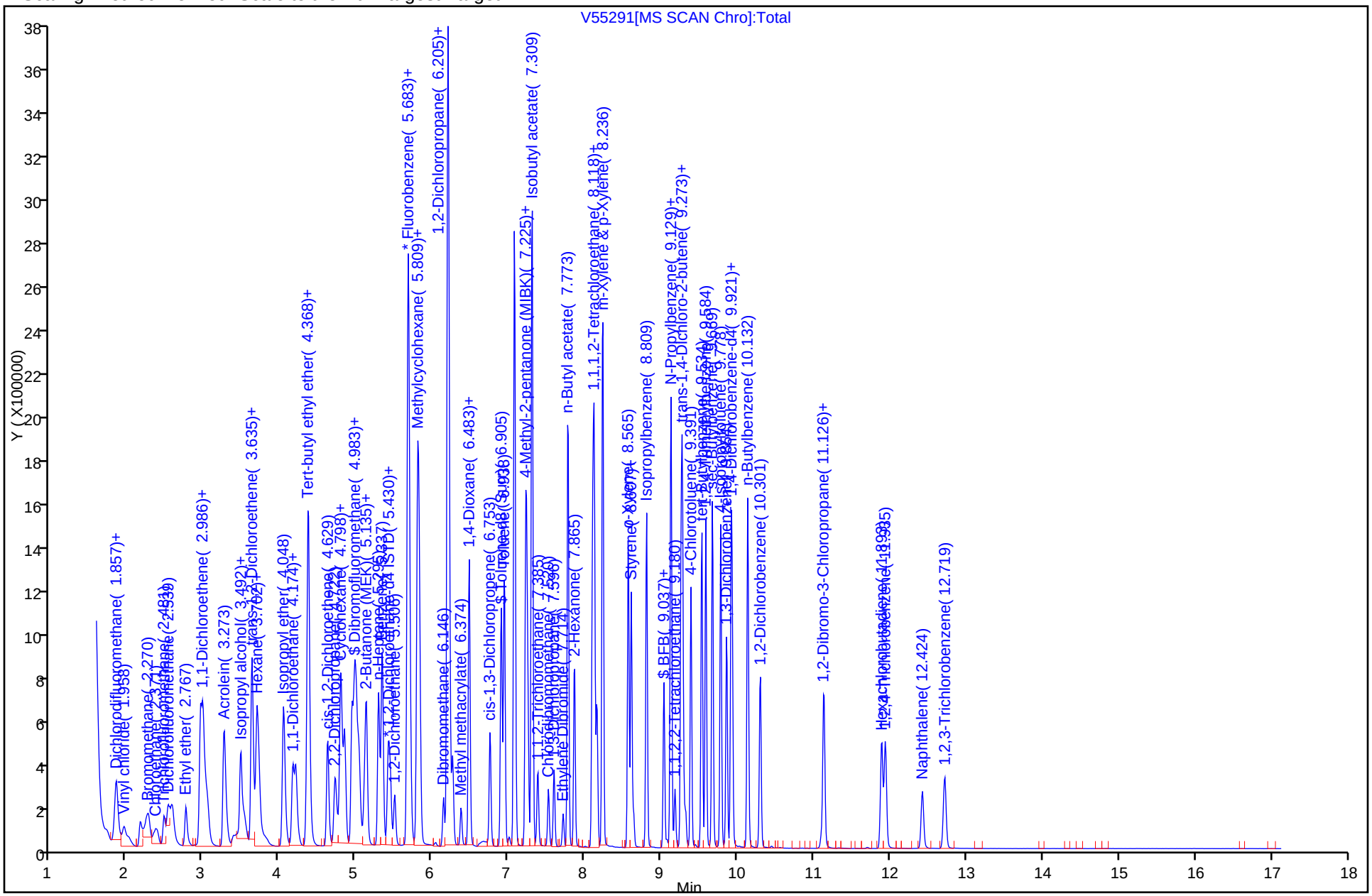
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
31 Chlorobromomethane	130	4.798	4.798	0.0	60	102826	0	
30 Cyclohexane	56	4.806	4.806	0.0	79	400048	0	
32 Chloroform	83	4.848	4.848	0.0	94	385144	19.3	
34 Ethyl acetate	43	4.941	4.941	0.0	97	910291	0	
33 Carbon tetrachloride	117	4.975	4.975	0.0	88	283141	21.9	
36 sec-Butyl Alcohol	45	4.975	4.975	0.0	73	471807	0	
35 Tetrahydrofuran	42	4.992	4.992	0.0	62	278022	201.2	
$ 37 Dibromofluoromethane	113	5.009	5.009	0.0	70	170765	19.6	
38 1,1,1-Trichloroethane	97	5.034	5.034	0.0	54	313748	19.4	
39 2-Butanone (MEK)	43	5.110	5.110	0.0	96	405023	189.3	
40 1,1-Dichloropropene	75	5.135	5.135	0.0	90	308113	21.2	
41 n-Heptane	43	5.295	5.295	0.0	95	362646	0	
42 Benzene	78	5.346	5.346	0.0	96	843286	20.5	
43 Tert-amyl methyl ether	73	5.421	5.421	0.0	97	446230	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.455	5.455	0.0	0	35935	20.0	
45 1,2-Dichloroethane	62	5.506	5.506	0.0	76	185309	18.4	
* 46 Fluorobenzene	96	5.674	5.674	0.0	67	723023	20.0	
48 Isopropyl acetate	43	5.683	5.683	0.0	98	1943388	0	
47 2,4,4-Trimethyl-1-pentene	55	5.700	5.700	0.0	78	197954	0	
50 Trichloroethene	95	5.809	5.809	0.0	57	235557	20.3	
49 Methylcyclohexane	83	5.809	5.809	0.0	80	392420	21.5	
51 2,4,4-Trimethyl-2-pentene	112	5.826	5.826	0.0	93	135371	0	
52 Dibromomethane	93	6.146	6.146	0.0	81	94857	19.9	
53 1,2-Dichloropropane	63	6.222	6.222	0.0	56	198979	21.7	
54 Dichlorobromomethane	83	6.264	6.264	0.0	97	249618	20.3	
55 Methyl methacrylate	69	6.374	6.374	0.0	88	64848	0	
56 1,4-Dioxane	88	6.433	6.433	0.0	17	8264	0	
57 n-Propyl acetate	43	6.483	6.483	0.0	98	1267810	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.753	6.753	0.0	90	293747	20.9	
$ 60 Toluene-d8 (Surr)	98	6.905	6.905	0.0	83	698353	19.9	
61 Toluene	92	6.938	6.938	0.0	93	524034	20.7	
63 4-Methyl-2-pentanone (MIBK)	43	7.225	7.225	0.0	96	915985	217.7	
62 Tetrachloroethene	166	7.242	7.242	0.0	81	187900	19.3	
64 trans-1,3-Dichloropropene	75	7.259	7.259	0.0	83	187704	20.0	
65 Isobutyl acetate	43	7.309	7.309	0.0	94	2544469	0	
66 1,1,2-Trichloroethane	83	7.385	7.385	0.0	91	90094	19.6	
67 Chlorodibromomethane	129	7.520	7.520	0.0	86	126443	16.2	
68 1,3-Dichloropropane	76	7.596	7.596	0.0	89	188164	17.4	
69 Ethylene Dibromide	107	7.714	7.714	0.0	98	97833	16.2	
70 n-Butyl acetate	43	7.773	7.773	0.0	99	1408976	0	
71 2-Hexanone	43	7.857	7.857	0.0	98	553920	199.9	
* 72 Chlorobenzene-d5	117	8.101	8.101	0.0	86	496295	20.0	
73 Chlorobenzene	112	8.110	8.110	0.0	87	458740	18.8	
74 Ethylbenzene	91	8.126	8.126	0.0	98	911792	19.9	
75 1,1,1,2-Tetrachloroethane	131	8.160	8.160	0.0	57	170922	18.9	
76 m-Xylene & p-Xylene	91	8.236	8.236	0.0	98	1386801	47.3	
77 o-Xylene	91	8.565	8.565	0.0	98	784530	20.1	
78 Styrene	104	8.607	8.607	0.0	91	521371	18.6	
79 Bromoform	173	8.641	8.641	0.0	83	62499	15.3	
80 Isopropylbenzene	105	8.809	8.809	0.0	95	970705	20.1	
$ 82 4-Bromofluorobenzene	95	9.037	9.037	0.0	83	271541	19.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 81 BFB	95	9.037	9.037	0.0	0	271541	0	
83 Bromobenzene	77	9.121	9.121	0.0	59	341358	19.4	
84 N-Propylbenzene	91	9.129	9.129	0.0	96	1144163	25.1	
85 1,1,2,2-Tetrachloroethane	83	9.180	9.180	0.0	85	125518	20.0	
86 2-Chlorotoluene	91	9.264	9.264	0.0	94	749441	23.6	
87 1,3,5-Trimethylbenzene	105	9.281	9.281	0.0	93	751501	23.2	
88 1,2,3-Trichloropropane	110	9.298	9.298	0.0	85	29552	16.8	
89 trans-1,4-Dichloro-2-butene	53	9.323	9.323	0.0	1	28971	23.3	
90 4-Chlorotoluene	91	9.391	9.391	0.0	94	680379	19.0	
91 tert-Butylbenzene	119	9.534	9.534	0.0	91	648209	19.8	
92 1,2,4-Trimethylbenzene	105	9.584	9.584	0.0	96	763646	20.4	
93 sec-Butylbenzene	105	9.669	9.669	0.0	95	1088230	20.1	
94 4-Isopropyltoluene	119	9.778	9.778	0.0	92	805435	19.6	
95 1,3-Dichlorobenzene	146	9.854	9.854	0.0	96	380623	17.9	
* 96 1,4-Dichlorobenzene-d4	115	9.913	9.913	0.0	97	147347	20.0	
97 1,4-Dichlorobenzene	146	9.930	9.930	0.0	88	364838	18.3	
98 n-Butylbenzene	91	10.132	10.132	0.0	95	917269	22.1	
99 1,2-Dichlorobenzene	146	10.301	10.301	0.0	97	336626	18.9	
100 1,2-Dibromo-3-Chloropropane	157	11.101	11.101	0.0	74	17658	17.2	
101 1,3,5-Trichlorobenzene	180	11.135	11.135	0.0	96	267163	0	
102 Hexachlorobutadiene	225	11.893	11.893	0.0	86	135831	19.1	
103 1,2,4-Trichlorobenzene	180	11.935	11.935	0.0	89	200968	19.0	
104 Naphthalene	128	12.424	12.424	0.0	97	299058	19.9	
105 1,2,3-Trichlorobenzene	180	12.719	12.719	0.0	92	156377	19.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 13-Dec-2011 12:33:56 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55291.D
Injection Date: 12-Dec-2011 16:30:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 2
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 13-Dec-2011 12:33:56 Chrom Revision: 2.0 29-Sep-2011 09:38:02

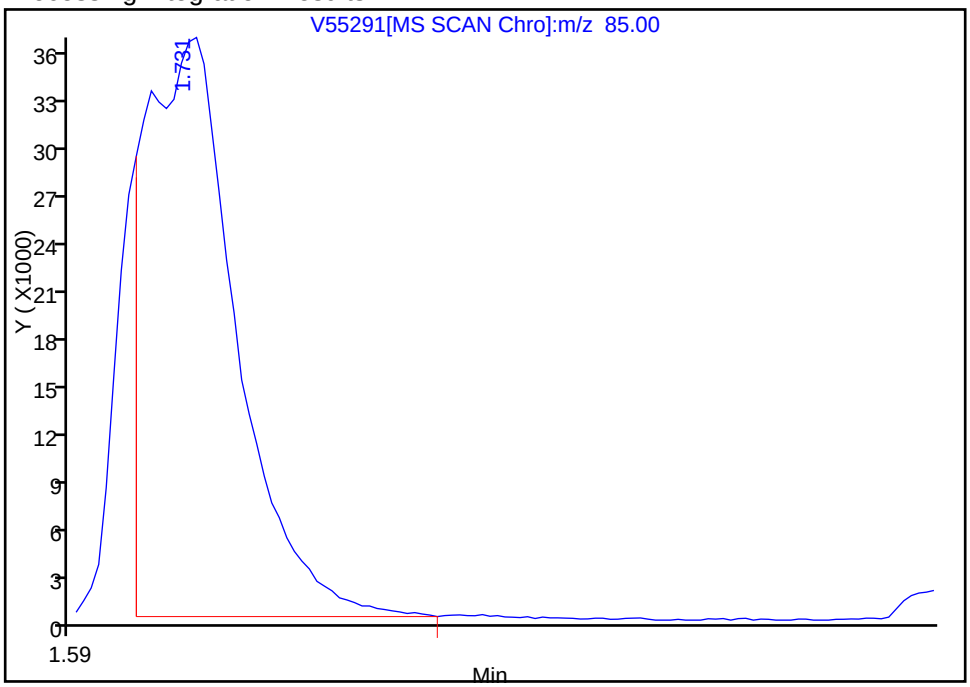
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55291.D		
Injection Date:	12-Dec-2011 16:30:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:		Instrument ID:	HP #1 GC/MS
Lims Batch ID:	84698	Lims Sample ID:	2
Operator ID:	BW		

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.73

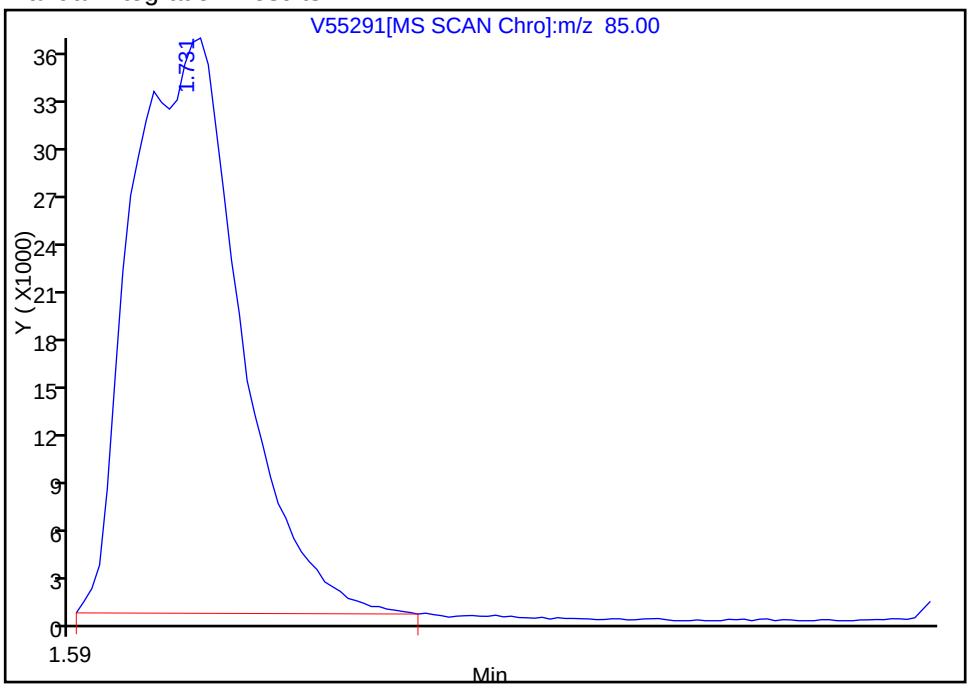
Processing Integration Results

RT: 1.73
Response: 261697
Amount: 16.498593



Manual Integration Results

RT: 1.73
Response: 295340
Amount: 18.619604



Reviewer: weigelb, 13-Dec-2011 12:33:56
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55146.D
Lims ID: BFB
Client ID:
Inject. Date: 28-Nov-2011 16:39:30
Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.:
Operator: bw
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 1
Lims Batch ID: 83953
Lims Sample ID: 1
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\WES1SOIL.m
Last Update: 30-Nov-2011 14:21:28
Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE
ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb
Date: 29-Nov-2011 08:47:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 37 Dibromofluoromethane	113	5.022	5.022	0.0	78	915809	24.5	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.469	5.469	0.0	0	228980	20.0	
* 46 Fluorobenzene	96	5.688	5.688	0.0	99	3103683	20.0	
$ 60 Toluene-d8 (Surr)	98	6.918	6.918	0.0	83	2674388	17.7	
* 72 Chlorobenzene-d5	117	8.115	8.115	0.0	87	2224765	20.0	
$ 82 4-Bromofluorobenzene	95	9.050	9.050	0.0	82	1335923	21.8	
$ 81 BFB	95	9.050	9.053	-0.003	0	1335923	0	
* 96 1,4-Dichlorobenzene-d4	115	9.935	9.935	0.0	96	709387	20.0	

Report Date: 30-Nov-2011 14:21:29 Chrom Revision: 2.0 29-Sep-2011 09:38:02

MS Tune Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55146.D

Injection Date: 28-Nov-2011 16:39:30 Limit Group: VMS - 8260B VOA Calibration RCP

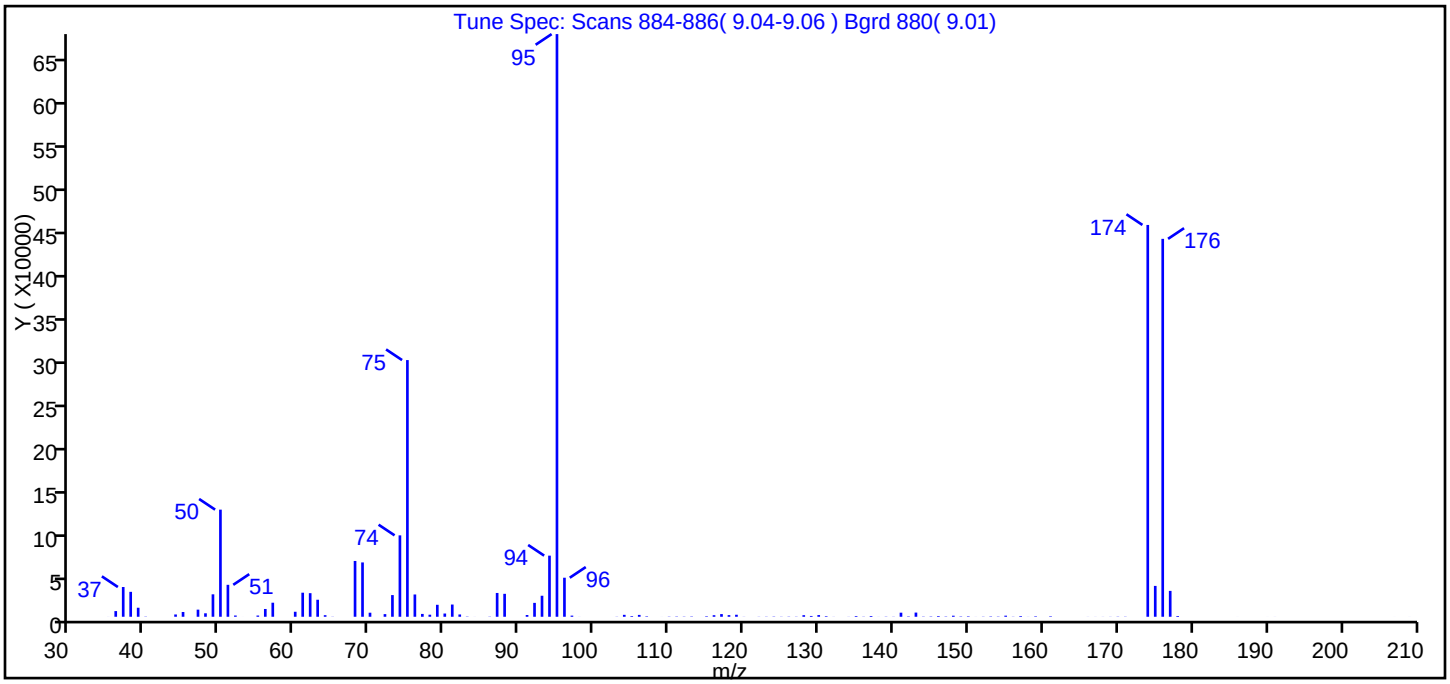
Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 83953 Lims Sample ID: 1

Operator ID: bw

Tune Method: BFB Method 8260

$ 81 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.39
75	30.00 - 60.00% of mass 95	44.05
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	67.25
175	5.00 - 9.00% of mass 174	5.30 (7.88)
176	95.00 - 101.00% of mass 174	64.86 (96.45)
177	5.00 - 9.00% of mass 176	4.44 (6.85)

Report Date: 30-Nov-2011 14:21:29 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55146.D\WES1SOIL.rslt\spectra.d
Injection Date: 28-Nov-2011 16:39:30
Spectrum: Tune Spec: Scans 884-886(9.04-9.06) Bgrd 880(9.01)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 121

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	44	76.00	25760	116.00	1794	149.00	386
36.00	6556	77.00	3286	117.00	3105	150.00	528
37.00	34376	78.00	2391	118.00	1894	151.00	51
38.00	28808	79.00	13835	119.00	2338	152.00	203
39.00	10432	80.00	3738	120.00	106	153.00	407
40.00	260	81.00	14139	122.00	140	154.00	300
44.00	2661	82.00	2660	123.00	198	155.00	1264
45.00	5516	83.00	300	124.00	307	156.00	177
47.00	8225	84.00	41	125.00	166	157.00	801
48.00	4018	86.00	235	126.00	248	158.00	72
49.00	25944	87.00	27504	127.00	199	159.00	568
50.00	123800	88.00	26520	128.00	1809	161.00	567
51.00	36928	91.00	2018	129.00	935	166.00	66
52.00	1441	92.00	16057	130.00	1950	167.00	60
53.00	15	93.00	24296	131.00	695	168.00	74
55.00	1421	94.00	70640	132.00	80	169.00	108
56.00	9000	95.00	673344	134.00	100	170.00	225
57.00	16253	96.00	45120	135.00	824	171.00	200
60.00	5790	97.00	1319	136.00	203	174.00	452800
61.00	27816	98.00	47	137.00	872	175.00	35664
62.00	27272	103.00	162	138.00	52	176.00	436736
63.00	19680	104.00	2235	139.00	232	177.00	29904
64.00	1817	105.00	782	140.00	163	178.00	873
65.00	163	106.00	2155	141.00	4720	186.00	19
68.00	64488	107.00	536	142.00	428	190.00	19
69.00	62792	109.00	26	143.00	4838	191.00	44
70.00	4697	110.00	248	144.00	272	207.00	12
72.00	3058	111.00	342	145.00	370	209.00	22
73.00	25056	112.00	250	146.00	789		
74.00	94080	113.00	368	147.00	337		
75.00	296640	115.00	599	148.00	1224		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55290.D
Lims ID: BFB Client ID:
Inject. Date: 12-Dec-2011 16:04:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 8260LL =8260LL
Operator: BW Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 84698 Lims Sample ID: 1
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m
Last Update: 13-Dec-2011 13:04:38 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 13-Dec-2011 13:04:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 37 Dibromofluoromethane	113	4.991	4.991	0.0	76	511915	23.2	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.437	5.437	0.0	0	138356	20.0	
* 46 Fluorobenzene	96	5.665	5.665	0.0	97	1834018	20.0	
$ 60 Toluene-d8 (Surr)	98	6.895	6.895	0.0	83	1707300	19.2	
* 72 Chlorobenzene-d5	117	8.092	8.092	0.0	86	1180543	20.0	
$ 82 4-Bromofluorobenzene	95	9.036	9.036	0.0	84	666823	20.5	
$ 81 BFB	95	9.036	9.037	-0.001	0	666823	0	
* 96 1,4-Dichlorobenzene-d4	115	9.920	9.920	0.0	91	342130	20.0	

Report Date: 13-Dec-2011 13:04:39 Chrom Revision: 2.0 29-Sep-2011 09:38:02

MS Tune Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55290.D

Injection Date: 12-Dec-2011 16:04:30 Limit Group: VMS - 8260B VOA Calibration RCP

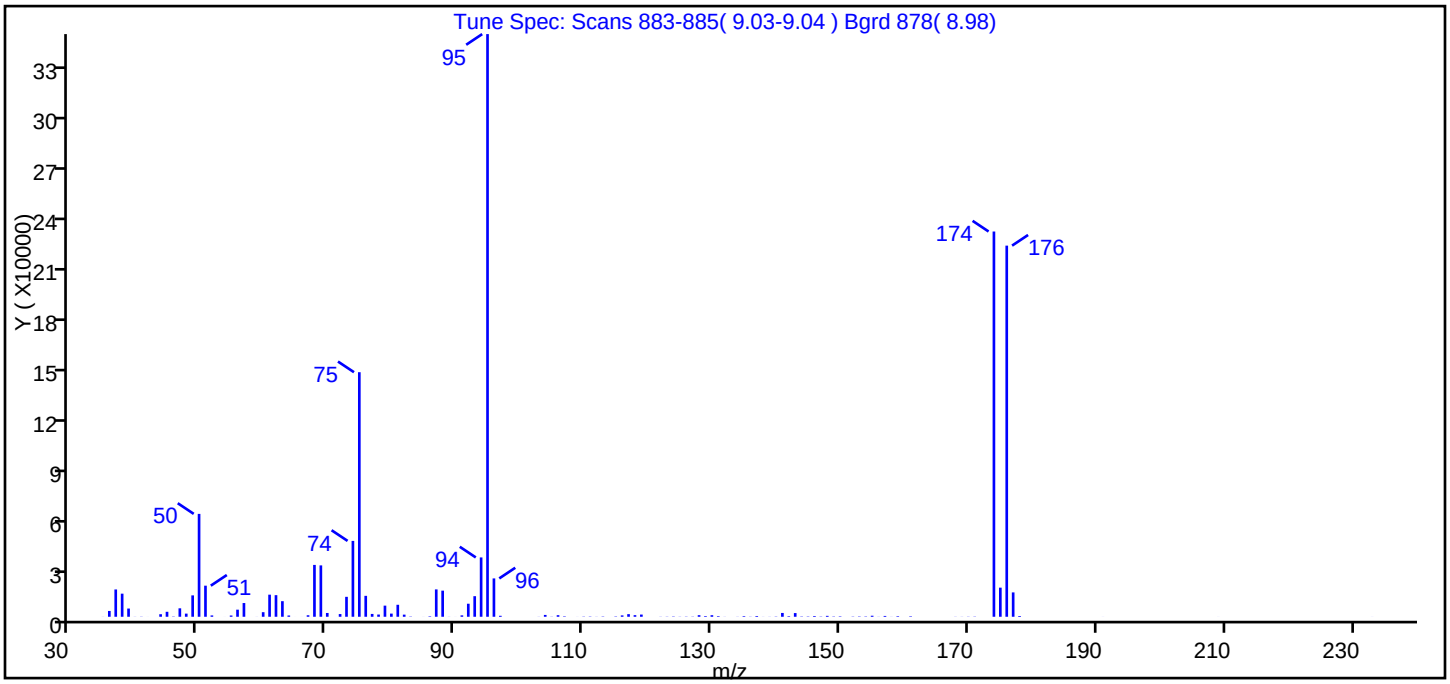
Client ID: Instrument ID: HP #1 GC/MS

Lims Batch ID: 84698 Lims Sample ID: 1

Operator ID: BW

Tune Method: BFB Method 8260

$ 81 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.66
75	30.00 - 60.00% of mass 95	41.97
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	66.12
175	5.00 - 9.00% of mass 174	5.00 (7.56)
176	95.00 - 101.00% of mass 174	63.70 (96.33)
177	5.00 - 9.00% of mass 176	4.18 (6.56)

Report Date: 13-Dec-2011 13:04:39 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55290.D\WES1SOIL.rslt\spectra.d
Injection Date: 12-Dec-2011 16:04:30
Spectrum: Tune Spec: Scans 883-885(9.03-9.04) Bgrd 878(8.98)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 122

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	33	69.00	30264	107.00	258	143.00	2177
36.00	3424	70.00	2230	109.00	24	144.00	177
37.00	16084	72.00	1594	110.00	131	145.00	182
38.00	13612	73.00	11747	111.00	160	146.00	424
39.00	4847	74.00	44688	112.00	57	147.00	148
40.00	52	75.00	144064	113.00	170	148.00	537
41.00	93	76.00	12329	115.00	196	149.00	174
42.00	14	77.00	1670	116.00	808	150.00	246
44.00	1503	78.00	1315	117.00	1541	152.00	138
45.00	2931	79.00	6554	118.00	947	153.00	195
46.00	159	80.00	1864	119.00	1302	154.00	192
47.00	4981	81.00	7062	122.00	69	155.00	611
48.00	1854	82.00	1259	123.00	98	156.00	57
49.00	12600	83.00	159	124.00	176	157.00	488
50.00	60608	85.00	22	125.00	81	158.00	43
51.00	18312	86.00	273	126.00	125	159.00	333
52.00	788	87.00	16121	127.00	114	161.00	281
54.00	12	88.00	15386	128.00	928	168.00	61
55.00	739	89.00	47	129.00	398	169.00	53
56.00	4183	90.00	17	130.00	916	170.00	93
57.00	8088	91.00	824	131.00	354	171.00	129
59.00	30	92.00	7686	132.00	47	174.00	226944
60.00	2697	93.00	12127	134.00	58	175.00	17152
61.00	13016	94.00	34952	135.00	367	176.00	218624
62.00	12731	95.00	343232	136.00	91	177.00	14350
63.00	9180	96.00	22592	137.00	433	178.00	444
64.00	745	97.00	577	138.00	37	191.00	22
65.00	9	103.00	53	139.00	54	209.00	18
66.00	11	104.00	1081	140.00	139	233.00	21
67.00	887	105.00	80	141.00	2244		
68.00	30544	106.00	927	142.00	329		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: Lab Sample ID: MB 360-84699/3-A

Matrix: Solid Lab File ID: V55295.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/12/2011 18:12

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.: 84698 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		2.5	1.2
71-55-6	1,1,1-Trichloroethane	ND		2.5	2.0
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		13	1.4
79-00-5	1,1,2-Trichloroethane	ND		2.5	1.0
75-34-3	1,1-Dichloroethane	ND		2.5	1.9
75-35-4	1,1-Dichloroethene	ND		2.5	1.6
563-58-6	1,1-Dichloropropene	ND		2.5	1.5
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	1.1
96-18-4	1,2,3-Trichloropropane	ND		2.5	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	2.8
95-50-1	1,2-Dichlorobenzene	ND		2.5	1.0
107-06-2	1,2-Dichloroethane	ND		2.5	1.0
78-87-5	1,2-Dichloropropane	ND		2.5	1.6
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	1.5
541-73-1	1,3-Dichlorobenzene	ND		2.5	1.0
142-28-9	1,3-Dichloropropane	ND		2.5	1.1
106-46-7	1,4-Dichlorobenzene	ND		2.5	1.0
594-20-7	2,2-Dichloropropane	ND		2.5	2.1
78-93-3	2-Butanone (MEK)	ND		25	11
95-49-8	2-Chlorotoluene	ND		2.5	1.3
591-78-6	2-Hexanone	ND		25	14
106-43-4	4-Chlorotoluene	ND		2.5	1.2
99-87-6	4-Isopropyltoluene	ND		2.5	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	10
67-64-1	Acetone	ND		250	100
107-13-1	Acrylonitrile	ND		25	2.4
71-43-2	Benzene	ND		2.5	1.6
108-86-1	Bromobenzene	ND		2.5	1.0
75-25-2	Bromoform	ND		2.5	1.6
74-83-9	Bromomethane	ND		5.0	2.3
75-15-0	Carbon disulfide	ND		2.5	1.9
56-23-5	Carbon tetrachloride	ND		2.5	1.7
108-90-7	Chlorobenzene	ND		2.5	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: Lab Sample ID: MB 360-84699/3-A

Matrix: Solid Lab File ID: V55295.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/12/2011 18:12

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.: 84698 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		2.5	1.2
75-00-3	Chloroethane	ND		5.0	2.0
67-66-3	Chloroform	ND		2.5	1.5
74-87-3	Chloromethane	ND		5.0	1.6
156-59-2	cis-1,2-Dichloroethene	ND		2.5	1.2
10061-01-5	cis-1,3-Dichloropropene	ND		2.5	1.0
74-95-3	Dibromomethane	ND		2.5	1.3
75-27-4	Dichlorobromomethane	ND		2.5	1.3
75-71-8	Dichlorodifluoromethane	ND		5.0	2.1
100-41-4	Ethylbenzene	ND		2.5	1.8
106-93-4	Ethylene Dibromide	ND		2.5	1.1
87-68-3	Hexachlorobutadiene	ND		2.5	1.5
98-82-8	Isopropylbenzene	ND		2.5	1.5
179601-23-1	m-Xylene & p-Xylene	ND		5.0	3.5
1634-04-4	Methyl tert-butyl ether	ND		2.5	1.5
75-09-2	Methylene Chloride	ND		10	9.8
104-51-8	n-Butylbenzene	ND		2.5	1.2
103-65-1	N-Propylbenzene	ND		2.5	1.7
91-20-3	Naphthalene	ND		25	2.3
95-47-6	o-Xylene	ND		2.5	1.3
135-98-8	sec-Butylbenzene	ND		2.5	1.4
100-42-5	Styrene	ND		2.5	1.0
98-06-6	tert-Butylbenzene	ND		2.5	1.4
127-18-4	Tetrachloroethene	ND		2.5	1.8
109-99-9	Tetrahydrofuran	ND		50	12
108-88-3	Toluene	ND		2.5	1.8
156-60-5	trans-1,2-Dichloroethene	ND		2.5	1.6
10061-02-6	trans-1,3-Dichloropropene	ND		2.5	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	2.1
79-01-6	Trichloroethene	ND		2.5	2.1
75-69-4	Trichlorofluoromethane	ND		5.0	1.4
75-01-4	Vinyl chloride	ND		2.5	1.7
1330-20-7	Xylenes, Total	ND		5.0	3.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: Lab Sample ID: MB 360-84699/3-A

Matrix: Solid Lab File ID: V55295.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/12/2011 18:12

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.: 84698 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		70-130
1868-53-7	Dibromofluoromethane	95		70-130
2037-26-5	Toluene-d8 (Surr)	93		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55295.D
Lims ID: MB 360-84699/3-A Client ID:
Inject. Date: 12-Dec-2011 18:12:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 8260LL =8260LL
Operator: BW Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 84698 Lims Sample ID: 6
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m
Last Update: 13-Dec-2011 12:06:48 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

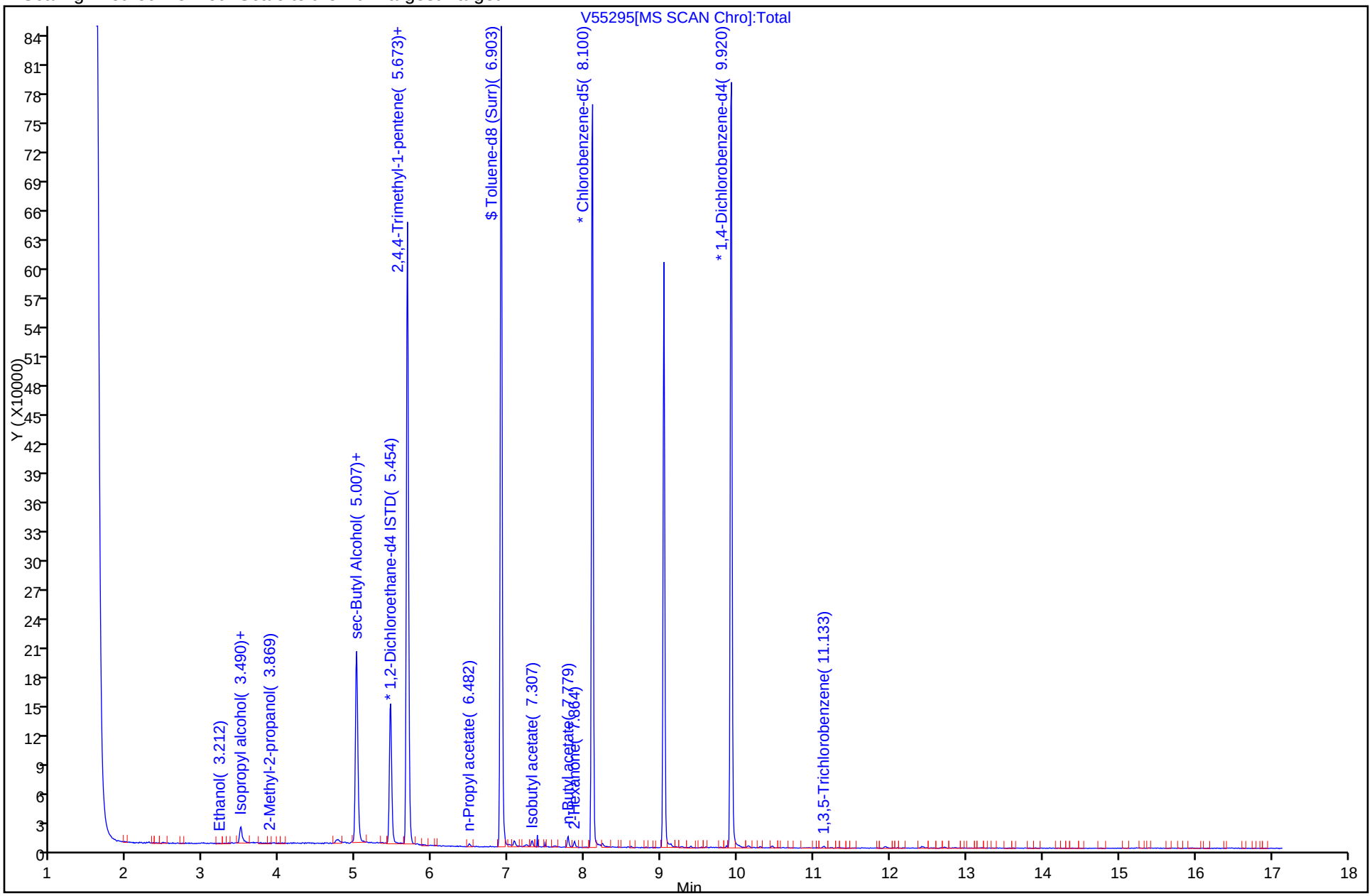
First Level Reviewer: weigelb Date: 13-Dec-2011 12:06:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85		1.731					
2 Chloromethane	50		1.857					
3 Vinyl chloride	62		1.958					
4 Bromomethane	94		2.278					
5 Chloroethane	64		2.379					
6 Trichlorofluoromethane	101		2.481					
7 Dichlorofluoromethane	67		2.582					
8 Ethyl ether	59		2.767					
13 1,2-Dichloro-1,1,2-trifluoroethane	117		2.961					
9 1,1-Dichloroethene	96		2.961					
11 Ethanol	45	2.984	2.978	0.006	7	552	0	
10 Carbon disulfide	76		2.995					
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151		3.045					
14 Acrolein	56		3.273					
15 Isopropyl alcohol	45	3.448	3.450	-0.002	83	2541	0	
16 Methylene Chloride	84	3.490	3.492	-0.002	94	9356	0.2673	
17 Acetone	43		3.534					
18 trans-1,2-Dichloroethene	61		3.635					
19 Methyl acetate	43		3.635					
20 Hexane	57		3.702					
21 Methyl tert-butyl ether	73		3.728					
22 2-Methyl-2-propanol	59	3.852	3.804	0.048	1	717	0	
23 Isopropyl ether	45		4.048					
24 1,1-Dichloroethane	63		4.166					
125 Halothane	117		4.208					
25 Acrylonitrile	53		4.216					
26 Tert-butyl ethyl ether	59		4.360					
27 Vinyl acetate	43		4.377					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61		4.629					
29 2,2-Dichloropropane	77		4.722					
31 Chlorobromomethane	130		4.798					
30 Cyclohexane	56		4.806					
32 Chloroform	83		4.848					
34 Ethyl acetate	43	4.939	4.941	-0.002	84	3515	0	
33 Carbon tetrachloride	117		4.975					
36 sec-Butyl Alcohol	45	5.007	4.975	0.032	3	444	0	
35 Tetrahydrofuran	42		4.992					
$ 37 Dibromofluoromethane	113	5.007	5.009	-0.002	70	134371	18.9	
38 1,1,1-Trichloroethane	97		5.034					
39 2-Butanone (MEK)	43		5.110					
40 1,1-Dichloropropene	75		5.135					
41 n-Heptane	43		5.295					
42 Benzene	78		5.346					
43 Tert-amyl methyl ether	73		5.421					
* 44 1,2-Dichloroethane-d4 ISTD	102	5.454	5.455	-0.001	0	24697	20.0	
45 1,2-Dichloroethane	62		5.506					
* 46 Fluorobenzene	96	5.673	5.674	-0.001	98	590308	20.0	
48 Isopropyl acetate	43		5.683					
47 2,4,4-Trimethyl-1-pentene	55	5.681	5.700	-0.019	27	1462	0	
50 Trichloroethene	95		5.809					
49 Methylcyclohexane	83		5.809					
51 2,4,4-Trimethyl-2-pentene	112		5.826					
52 Dibromomethane	93		6.146					
53 1,2-Dichloropropane	63		6.222					
54 Dichlorobromomethane	83		6.264					
55 Methyl methacrylate	69		6.374					
56 1,4-Dioxane	88		6.433					
57 n-Propyl acetate	43	6.482	6.483	-0.001	88	3377	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75		6.753					
$ 60 Toluene-d8 (Surr)	98	6.903	6.905	-0.002	84	533339	18.6	
61 Toluene	92		6.938					
63 4-Methyl-2-pentanone (MIBK)	43		7.225					
62 Tetrachloroethene	166		7.242					
64 trans-1,3-Dichloropropene	75		7.259					
65 Isobutyl acetate	43	7.307	7.309	-0.002	85	5719	0	
66 1,1,2-Trichloroethane	83		7.385					
67 Chlorodibromomethane	129		7.520					
68 1,3-Dichloropropane	76		7.596					
69 Ethylene Dibromide	107		7.714					
70 n-Butyl acetate	43	7.779	7.773	0.006	95	8385	0	
71 2-Hexanone	43	7.864	7.857	0.007	89	4232	2.22	
* 72 Chlorobenzene-d5	117	8.100	8.101	-0.001	86	393767	20.0	
73 Chlorobenzene	112		8.110					
74 Ethylbenzene	91		8.126					
75 1,1,1,2-Tetrachloroethane	131		8.160					
76 m-Xylene & p-Xylene	91		8.236					
77 o-Xylene	91		8.565					
78 Styrene	104		8.607					
79 Bromoform	173		8.641					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105		8.809					
$ 82 4-Bromofluorobenzene	95	9.035	9.037	-0.002	81	219947	20.3	
83 Bromobenzene	77		9.121					
84 N-Propylbenzene	91		9.129					
85 1,1,2,2-Tetrachloroethane	83		9.180					
86 2-Chlorotoluene	91		9.264					
87 1,3,5-Trimethylbenzene	105		9.281					
88 1,2,3-Trichloropropane	110		9.298					
89 trans-1,4-Dichloro-2-butene	53		9.323					
90 4-Chlorotoluene	91		9.391					
91 tert-Butylbenzene	119		9.534					
92 1,2,4-Trimethylbenzene	105		9.584					
93 sec-Butylbenzene	105		9.669					
94 4-Isopropyltoluene	119		9.778					
95 1,3-Dichlorobenzene	146		9.854					
* 96 1,4-Dichlorobenzene-d4	115	9.920	9.913	0.007	96	126298	20.0	
97 1,4-Dichlorobenzene	146		9.930					
98 n-Butylbenzene	91		10.132					
99 1,2-Dichlorobenzene	146		10.301					
100 1,2-Dibromo-3-Chloropropane	157		11.101					
101 1,3,5-Trichlorobenzene	180	11.133	11.135	-0.002	30	487	0	
102 Hexachlorobutadiene	225		11.893					
103 1,2,4-Trichlorobenzene	180		11.935					
104 Naphthalene	128		12.424					
105 1,2,3-Trichlorobenzene	180		12.719					

Report Date: 13-Dec-2011 12:06:48 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55295.D
Injection Date: 12-Dec-2011 18:12:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 6
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: | Lab Sample ID: LCS 360-84699/1-A

Matrix: Solid | Lab File ID: V55292.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/12/2011 16:56

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.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	94.0		2.5	1.2
71-55-6	1,1,1-Trichloroethane	101		2.5	2.0
79-34-5	1,1,2,2-Tetrachloroethane	104		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	82.0		13	1.4
79-00-5	1,1,2-Trichloroethane	111		2.5	1.0
75-34-3	1,1-Dichloroethane	107		2.5	1.9
75-35-4	1,1-Dichloroethene	107		2.5	1.6
563-58-6	1,1-Dichloropropene	111		2.5	1.5
87-61-6	1,2,3-Trichlorobenzene	99.0		2.5	1.1
96-18-4	1,2,3-Trichloropropane	86.0		2.5	1.2
120-82-1	1,2,4-Trichlorobenzene	100		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	104		2.5	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	89.0		25	2.8
95-50-1	1,2-Dichlorobenzene	97.5		2.5	1.0
107-06-2	1,2-Dichloroethane	100		2.5	1.0
78-87-5	1,2-Dichloropropane	118		2.5	1.6
108-67-8	1,3,5-Trimethylbenzene	115		2.5	1.5
541-73-1	1,3-Dichlorobenzene	92.5		2.5	1.0
142-28-9	1,3-Dichloropropane	96.5		2.5	1.1
106-46-7	1,4-Dichlorobenzene	95.0		2.5	1.0
594-20-7	2,2-Dichloropropane	101		2.5	2.1
78-93-3	2-Butanone (MEK)	1250		25	11
95-49-8	2-Chlorotoluene	117		2.5	1.3
591-78-6	2-Hexanone	1430		25	14
106-43-4	4-Chlorotoluene	94.5		2.5	1.2
99-87-6	4-Isopropyltoluene	99.5		2.5	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	1430		25	10
67-64-1	Acetone	1260		250	100
107-13-1	Acrylonitrile	108		25	2.4
71-43-2	Benzene	109		2.5	1.6
108-86-1	Bromobenzene	100		2.5	1.0
75-25-2	Bromoform	79.5		2.5	1.6
74-83-9	Bromomethane	92.0		5.0	2.3
75-15-0	Carbon disulfide	135		2.5	1.9
56-23-5	Carbon tetrachloride	99.0		2.5	1.7
108-90-7	Chlorobenzene	97.5		2.5	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: | Lab Sample ID: LCS 360-84699/1-A

Matrix: Solid | Lab File ID: V55292.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/12/2011 16:56

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.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	88.0		2.5	1.2
75-00-3	Chloroethane	109		5.0	2.0
67-66-3	Chloroform	102		2.5	1.5
74-87-3	Chloromethane	104		5.0	1.6
156-59-2	cis-1,2-Dichloroethene	106		2.5	1.2
10061-01-5	cis-1,3-Dichloropropene	114		2.5	1.0
74-95-3	Dibromomethane	109		2.5	1.3
75-27-4	Dichlorobromomethane	108		2.5	1.3
75-71-8	Dichlorodifluoromethane	84.0		5.0	2.1
100-41-4	Ethylbenzene	102		2.5	1.8
106-93-4	Ethylene Dibromide	90.5		2.5	1.1
87-68-3	Hexachlorobutadiene	94.5		2.5	1.5
98-82-8	Isopropylbenzene	99.0		2.5	1.5
179601-23-1	m-Xylene & p-Xylene	242		5.0	3.5
1634-04-4	Methyl tert-butyl ether	103		2.5	1.5
75-09-2	Methylene Chloride	100		10	9.8
104-51-8	n-Butylbenzene	111		2.5	1.2
103-65-1	N-Propylbenzene	128		2.5	1.7
91-20-3	Naphthalene	103		25	2.3
95-47-6	o-Xylene	101		2.5	1.3
135-98-8	sec-Butylbenzene	98.5		2.5	1.4
100-42-5	Styrene	96.5		2.5	1.0
98-06-6	tert-Butylbenzene	96.5		2.5	1.4
127-18-4	Tetrachloroethene	104		2.5	1.8
109-99-9	Tetrahydrofuran	1140		50	12
108-88-3	Toluene	111		2.5	1.8
156-60-5	trans-1,2-Dichloroethene	107		2.5	1.6
10061-02-6	trans-1,3-Dichloropropene	113		2.5	1.0
110-57-6	trans-1,4-Dichloro-2-butene	136		5.0	2.1
79-01-6	Trichloroethene	108		2.5	2.1
75-69-4	Trichlorofluoromethane	89.5		5.0	1.4
75-01-4	Vinyl chloride	91.0		2.5	1.7
1330-20-7	Xylenes, Total	343		5.0	3.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: Lab Sample ID: LCS 360-84699/1-A

Matrix: Solid Lab File ID: V55292.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/12/2011 16:56

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.: 84698 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		70-130
1868-53-7	Dibromofluoromethane	93		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55292.D
Lims ID: LCS 360-84699/1-A Client ID:
Inject. Date: 12-Dec-2011 16:56:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 8260LL =8260LL
Operator: BW Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 84698 Lims Sample ID: 3
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m
Last Update: 13-Dec-2011 12:33:56 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 13-Dec-2011 11:10:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85	1.723	1.723	-0.008	87	254471	16.8	M
2 Chloromethane	50	1.858	1.857	0.001	99	392700	20.7	
3 Vinyl chloride	62	1.959	1.958	0.001	75	284894	18.2	
4 Bromomethane	94	2.271	2.278	-0.007	91	182521	18.4	
5 Chloroethane	64	2.389	2.379	0.010	99	159215	21.7	
6 Trichlorofluoromethane	101	2.482	2.481	0.002	77	297581	17.9	
7 Dichlorofluoromethane	67	2.583	2.582	0.001	91	421010	0	
8 Ethyl ether	59	2.768	2.767	0.001	94	144625	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.962	2.961	0.001	67	168395	0	
9 1,1-Dichloroethene	96	2.962	2.961	0.001	98	211749	21.3	
11 Ethanol	45	2.987	2.978	0.009	19	54667	0	
10 Carbon disulfide	76	2.987	2.995	-0.008	99	796129	27.0	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.046	3.045	0.001	96	108603	16.4	
14 Acrolein	56	3.265	3.273	-0.008	96	489484	0	
15 Isopropyl alcohol	45	3.434	3.450	-0.016	96	309159	0	
16 Methylene Chloride	84	3.484	3.492	-0.008	97	230535	20.0	
17 Acetone	43	3.527	3.534	-0.007	96	265577	251.8	
18 trans-1,2-Dichloroethene	61	3.628	3.635	-0.007	85	352662	21.3	
19 Methyl acetate	43	3.636	3.635	0.001	98	734235	219.2	
20 Hexane	57	3.704	3.702	0.002	69	448513	0	
21 Methyl tert-butyl ether	73	3.729	3.728	0.001	60	393977	20.6	
22 2-Methyl-2-propanol	59	3.796	3.804	-0.008	12	112267	0	
23 Isopropyl ether	45	4.049	4.048	0.001	98	805777	0	
24 1,1-Dichloroethane	63	4.167	4.166	0.001	94	449154	21.3	
125 Halothane	117	4.209	4.208	0.001	90	158914	0	
25 Acrylonitrile	53	4.218	4.216	0.002	44	36665	21.6	
26 Tert-butyl ethyl ether	59	4.361	4.360	0.001	44	590278	0	
27 Vinyl acetate	43	4.378	4.377	0.001	97	2600238	0	

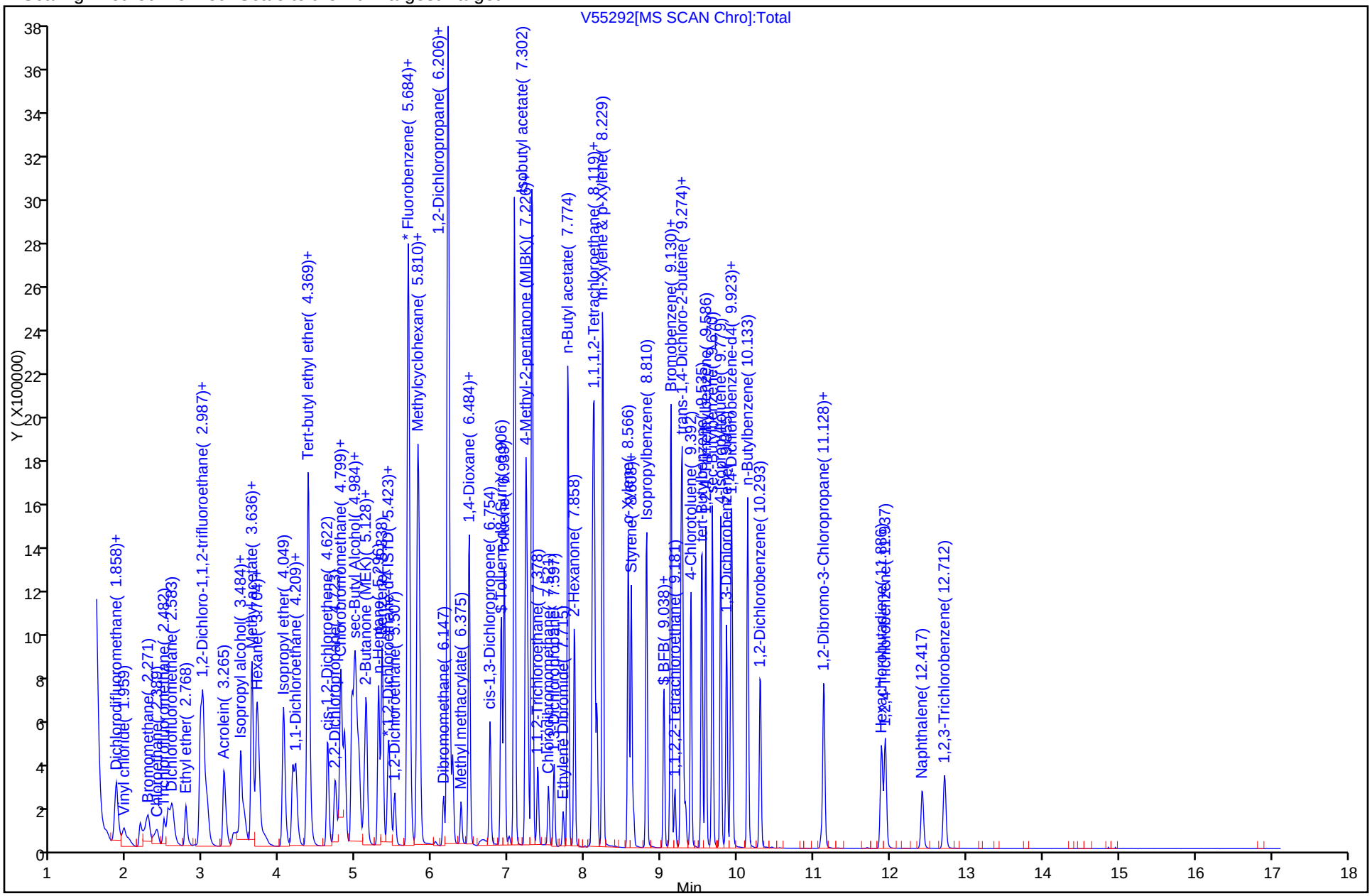
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61	4.622	4.629	-0.007	83	337569	21.2	
29 2,2-Dichloropropane	77	4.723	4.722	0.001	64	282783	20.2	
31 Chlorobromomethane	130	4.799	4.798	0.001	57	102977	0	
30 Cyclohexane	56	4.799	4.806	-0.007	86	410376	0	
32 Chloroform	83	4.850	4.848	0.002	94	386020	20.3	
34 Ethyl acetate	43	4.942	4.941	0.001	97	992798	0	
33 Carbon tetrachloride	117	4.976	4.975	0.001	76	243658	19.8	
36 sec-Butyl Alcohol	45	4.976	4.975	0.001	76	530395	0	
35 Tetrahydrofuran	42	4.993	4.992	0.001	61	301227	228.5	
$ 37 Dibromofluoromethane	113	5.010	5.009	0.001	76	154171	18.5	
38 1,1,1-Trichloroethane	97	5.035	5.034	0.001	49	311164	20.2	
39 2-Butanone (MEK)	43	5.111	5.110	0.001	99	450035	250.1	
40 1,1-Dichloropropene	75	5.136	5.135	0.001	92	307636	22.2	
41 n-Heptane	43	5.296	5.295	0.001	95	374503	0	
42 Benzene	78	5.338	5.346	-0.008	97	851053	21.7	
43 Tert-amyl methyl ether	73	5.423	5.421	0.002	97	440967	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.456	5.455	0.001	0	30227	20.0	
45 1,2-Dichloroethane	62	5.507	5.506	0.001	82	193098	20.0	
* 46 Fluorobenzene	96	5.675	5.674	0.001	62	689992	20.0	
48 Isopropyl acetate	43	5.684	5.683	0.001	99	2067116	0	
47 2,4,4-Trimethyl-1-pentene	55	5.701	5.700	0.001	78	190347	0	
50 Trichloroethene	95	5.802	5.809	-0.007	70	238036	21.5	
49 Methylcyclohexane	83	5.802	5.809	-0.007	92	393707	22.6	
51 2,4,4-Trimethyl-2-pentene	112	5.827	5.826	0.001	92	126354	0	
52 Dibromomethane	93	6.147	6.146	0.001	81	98855	21.7	
53 1,2-Dichloropropane	63	6.223	6.222	0.001	59	206551	23.6	
54 Dichlorobromomethane	83	6.265	6.264	0.001	97	253713	21.6	
55 Methyl methacrylate	69	6.375	6.374	0.001	92	70314	0	
56 1,4-Dioxane	88	6.442	6.433	0.009	32	9489	0	
57 n-Propyl acetate	43	6.484	6.483	0.001	98	1409340	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.754	6.753	0.001	89	304532	22.7	
$ 60 Toluene-d8 (Surr)	98	6.906	6.905	0.001	83	682642	20.4	
61 Toluene	92	6.939	6.938	0.001	93	538758	22.2	
63 4-Methyl-2-pentanone (MIBK)	43	7.226	7.225	0.001	96	1010169	285.4	
62 Tetrachloroethene	166	7.243	7.242	0.001	85	192580	20.7	
64 trans-1,3-Dichloropropene	75	7.251	7.259	-0.008	95	202606	22.6	
65 Isobutyl acetate	43	7.302	7.309	-0.007	95	2710751	0	
66 1,1,2-Trichloroethane	83	7.378	7.385	-0.007	91	96959	22.1	
67 Chlorodibromomethane	129	7.521	7.520	0.001	88	133501	17.6	
68 1,3-Dichloropropane	76	7.597	7.596	0.001	91	204634	19.3	
69 Ethylene Dibromide	107	7.715	7.714	0.001	97	107710	18.1	
70 n-Butyl acetate	43	7.774	7.773	0.001	99	1588354	0	
71 2-Hexanone	43	7.858	7.857	0.001	95	666350	285.8	
* 72 Chlorobenzene-d5	117	8.094	8.101	-0.007	89	498703	20.0	
73 Chlorobenzene	112	8.111	8.110	0.001	87	479320	19.5	
74 Ethylbenzene	91	8.119	8.126	-0.007	96	936858	20.4	
75 1,1,1,2-Tetrachloroethane	131	8.153	8.160	-0.007	51	170824	18.8	
76 m-Xylene & p-Xylene	91	8.229	8.236	-0.007	99	1416946	48.3	
77 o-Xylene	91	8.566	8.565	0.001	98	787886	20.1	
78 Styrene	104	8.608	8.607	0.001	91	545133	19.3	
79 Bromoform	173	8.642	8.641	0.001	83	65512	15.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105	8.810	8.809	0.001	95	962115	19.8	
$ 82 4-Bromofluorobenzene	95	9.038	9.037	0.001	85	274107	19.9	
$ 81 BFB	95	9.038	9.037	0.001	0	274107	0	
83 Bromobenzene	77	9.122	9.121	0.001	58	353712	20.0	
84 N-Propylbenzene	91	9.130	9.129	0.001	97	1164928	25.5	
85 1,1,2,2-Tetrachloroethane	83	9.181	9.180	0.001	76	129780	20.7	
86 2-Chlorotoluene	91	9.257	9.264	-0.007	92	745532	23.3	
87 1,3,5-Trimethylbenzene	105	9.274	9.281	-0.007	88	749882	23.0	
88 1,2,3-Trichloropropane	110	9.299	9.298	0.001	87	30379	17.2	
89 trans-1,4-Dichloro-2-butene	53	9.316	9.323	-0.007	4	33402	27.2	
90 4-Chlorotoluene	91	9.392	9.391	0.002	94	677742	18.9	
91 tert-Butylbenzene	119	9.535	9.534	0.001	91	634104	19.3	
92 1,2,4-Trimethylbenzene	105	9.586	9.584	0.002	16	779321	20.8	
93 sec-Butylbenzene	105	9.670	9.669	0.001	95	1074364	19.7	
94 4-Isopropyltoluene	119	9.779	9.778	0.001	92	821503	19.9	
95 1,3-Dichlorobenzene	146	9.855	9.854	0.001	96	395418	18.5	
* 96 1,4-Dichlorobenzene-d4	115	9.914	9.913	0.001	89	146901	20.0	
97 1,4-Dichlorobenzene	146	9.931	9.930	0.001	89	377658	19.0	
98 n-Butylbenzene	91	10.133	10.132	0.001	95	912859	22.1	
99 1,2-Dichlorobenzene	146	10.302	10.301	0.001	97	346445	19.5	
100 1,2-Dibromo-3-Chloropropane	157	11.102	11.101	0.001	71	18284	17.8	
101 1,3,5-Trichlorobenzene	180	11.136	11.135	0.001	96	286947	0	
102 Hexachlorobutadiene	225	11.886	11.893	-0.007	84	134295	18.9	
103 1,2,4-Trichlorobenzene	180	11.937	11.935	0.002	86	210476	20.0	
104 Naphthalene	128	12.425	12.424	0.001	97	308648	20.6	
105 1,2,3-Trichlorobenzene	180	12.712	12.719	-0.007	95	160991	19.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 13-Dec-2011 12:34:08 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55292.D
Injection Date: 12-Dec-2011 16:56:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 3
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 13-Dec-2011 12:34:08 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55292.D

Injection Date: 12-Dec-2011 16:56:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

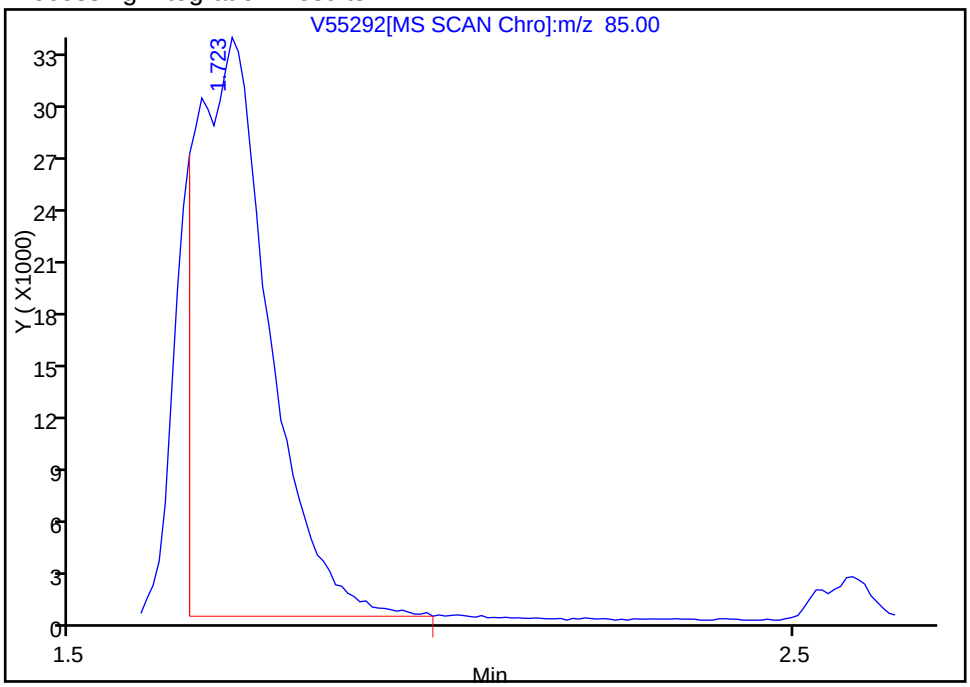
Lims Batch ID: 84698 Lims Sample ID: 3

Operator ID: BW

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.73

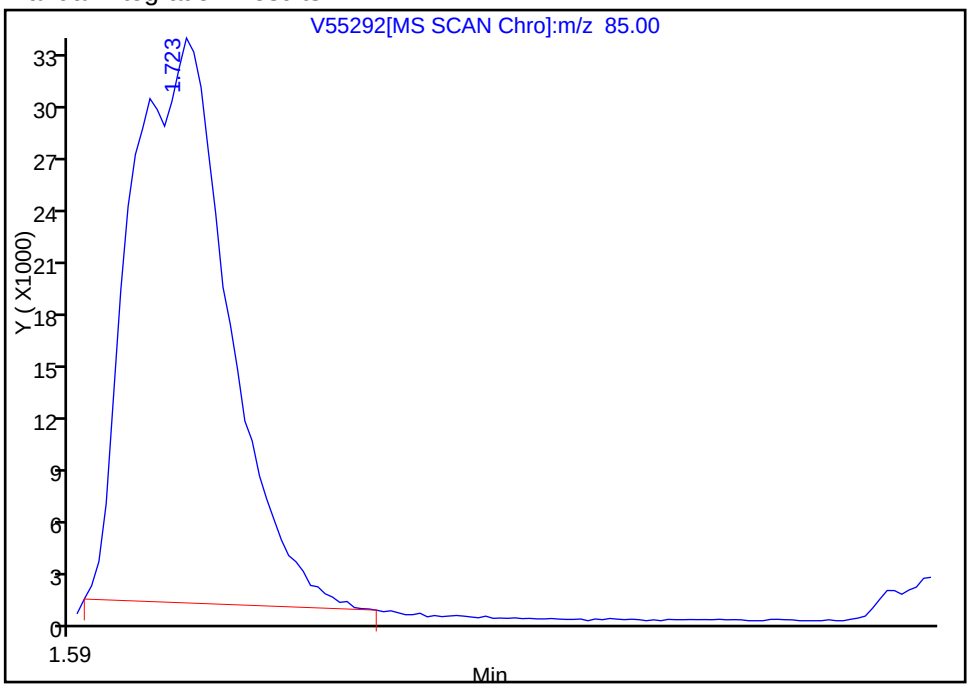
Processing Integration Results

RT: 1.72
Response: 235579
Amount: 15.562982



Manual Integration Results

RT: 1.72
Response: 254471
Amount: 16.811038



Reviewer: weigelb, 13-Dec-2011 12:34:08
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: Lab Sample ID: LCSD 360-84699/2-A

Matrix: Solid Lab File ID: V55293.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/12/2011 17:21

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.: 84698 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	99.0		2.5	1.2
71-55-6	1,1,1-Trichloroethane	106		2.5	2.0
79-34-5	1,1,2,2-Tetrachloroethane	103		2.5	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	86.0		13	1.4
79-00-5	1,1,2-Trichloroethane	110		2.5	1.0
75-34-3	1,1-Dichloroethane	113		2.5	1.9
75-35-4	1,1-Dichloroethene	113		2.5	1.6
563-58-6	1,1-Dichloropropene	115		2.5	1.5
87-61-6	1,2,3-Trichlorobenzene	96.0		2.5	1.1
96-18-4	1,2,3-Trichloropropane	84.0		2.5	1.2
120-82-1	1,2,4-Trichlorobenzene	100		2.5	1.0
95-63-6	1,2,4-Trimethylbenzene	111		2.5	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	87.5		25	2.8
95-50-1	1,2-Dichlorobenzene	99.0		2.5	1.0
107-06-2	1,2-Dichloroethane	101		2.5	1.0
78-87-5	1,2-Dichloropropane	122		2.5	1.6
108-67-8	1,3,5-Trimethylbenzene	125		2.5	1.5
541-73-1	1,3-Dichlorobenzene	97.0		2.5	1.0
142-28-9	1,3-Dichloropropane	95.5		2.5	1.1
106-46-7	1,4-Dichlorobenzene	99.0		2.5	1.0
594-20-7	2,2-Dichloropropane	104		2.5	2.1
78-93-3	2-Butanone (MEK)	1250		25	11
95-49-8	2-Chlorotoluene	124		2.5	1.3
591-78-6	2-Hexanone	1450		25	14
106-43-4	4-Chlorotoluene	104		2.5	1.2
99-87-6	4-Isopropyltoluene	106		2.5	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	1470		25	10
67-64-1	Acetone	1290		250	100
107-13-1	Acrylonitrile	108		25	2.4
71-43-2	Benzene	113		2.5	1.6
108-86-1	Bromobenzene	105		2.5	1.0
75-25-2	Bromoform	80.0		2.5	1.6
74-83-9	Bromomethane	100		5.0	2.3
75-15-0	Carbon disulfide	144		2.5	1.9
56-23-5	Carbon tetrachloride	101		2.5	1.7
108-90-7	Chlorobenzene	103		2.5	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: | Lab Sample ID: LCSD 360-84699/2-A

Matrix: Solid | Lab File ID: V55293.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/12/2011 17:21

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.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	86.5		2.5	1.2
75-00-3	Chloroethane	121		5.0	2.0
67-66-3	Chloroform	106		2.5	1.5
74-87-3	Chloromethane	109		5.0	1.6
156-59-2	cis-1,2-Dichloroethene	111		2.5	1.2
10061-01-5	cis-1,3-Dichloropropene	114		2.5	1.0
74-95-3	Dibromomethane	108		2.5	1.3
75-27-4	Dichlorobromomethane	110		2.5	1.3
75-71-8	Dichlorodifluoromethane	90.0		5.0	2.1
100-41-4	Ethylbenzene	109		2.5	1.8
106-93-4	Ethylene Dibromide	87.0		2.5	1.1
87-68-3	Hexachlorobutadiene	98.5		2.5	1.5
98-82-8	Isopropylbenzene	105		2.5	1.5
179601-23-1	m-Xylene & p-Xylene	261		5.0	3.5
1634-04-4	Methyl tert-butyl ether	103		2.5	1.5
75-09-2	Methylene Chloride	105		10	9.8
104-51-8	n-Butylbenzene	118		2.5	1.2
103-65-1	N-Propylbenzene	138		2.5	1.7
91-20-3	Naphthalene	97.5		25	2.3
95-47-6	o-Xylene	108		2.5	1.3
135-98-8	sec-Butylbenzene	106		2.5	1.4
100-42-5	Styrene	102		2.5	1.0
98-06-6	tert-Butylbenzene	103		2.5	1.4
127-18-4	Tetrachloroethene	107		2.5	1.8
109-99-9	Tetrahydrofuran	1060		50	12
108-88-3	Toluene	115		2.5	1.8
156-60-5	trans-1,2-Dichloroethene	114		2.5	1.6
10061-02-6	trans-1,3-Dichloropropene	111		2.5	1.0
110-57-6	trans-1,4-Dichloro-2-butene	138		5.0	2.1
79-01-6	Trichloroethene	112		2.5	2.1
75-69-4	Trichlorofluoromethane	95.0		5.0	1.4
75-01-4	Vinyl chloride	96.5		2.5	1.7
1330-20-7	Xylenes, Total	369		5.0	3.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: Lab Sample ID: LCSD 360-84699/2-A

Matrix: Solid Lab File ID: V55293.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/12/2011 17:21

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.: 84698 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	99		70-130
1868-53-7	Dibromofluoromethane	91		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55293.D
Lims ID: LCSD 360-84699/2-A Client ID:
Inject. Date: 12-Dec-2011 17:21:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD
Misc. Info.: 8260LL =8260LL
Operator: BW Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 84698 Lims Sample ID: 4
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m
Last Update: 13-Dec-2011 12:33:56 Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb Date: 13-Dec-2011 11:11:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85	1.728	1.728	-0.003	86	245924	18.0	M
2 Chloromethane	50	1.862	1.857	0.005	88	371827	21.8	
3 Vinyl chloride	62	1.964	1.958	0.006	60	271641	19.3	
4 Bromomethane	94	2.275	2.278	-0.003	90	178795	20.0	
5 Chloroethane	64	2.393	2.379	0.014	95	157571	24.1	
6 Trichlorofluoromethane	101	2.486	2.481	0.006	78	283324	19.0	
7 Dichlorofluoromethane	67	2.587	2.582	0.005	53	320158	0	
8 Ethyl ether	59	2.773	2.767	0.006	95	132666	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.958	2.961	-0.003	69	158963	0	
9 1,1-Dichloroethene	96	2.966	2.961	0.005	98	201994	22.5	
11 Ethanol	45	2.983	2.978	0.005	18	43044	0	
10 Carbon disulfide	76	2.992	2.995	-0.003	99	763012	28.7	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.042	3.045	-0.003	61	103050	17.2	
14 Acrolein	56	3.270	3.273	-0.003	96	428695	0	
15 Isopropyl alcohol	45	3.430	3.450	-0.020	96	255175	0	
16 Methylene Chloride	84	3.489	3.492	-0.003	95	217206	20.9	
17 Acetone	43	3.531	3.534	-0.003	96	228511	257.1	
18 trans-1,2-Dichloroethene	61	3.632	3.635	-0.003	85	341492	22.8	
19 Methyl acetate	43	3.641	3.635	0.006	98	632373	209.4	
20 Hexane	57	3.700	3.702	-0.002	69	419121	0	
21 Methyl tert-butyl ether	73	3.725	3.728	-0.003	56	353516	20.5	
22 2-Methyl-2-propanol	59	3.809	3.804	0.005	12	92233	0	
23 Isopropyl ether	45	4.045	4.048	-0.003	98	753792	0	
24 1,1-Dichloroethane	63	4.171	4.166	0.005	94	426027	22.5	
125 Halothane	117	4.205	4.208	-0.003	93	149459	0	
25 Acrylonitrile	53	4.222	4.216	0.006	45	32922	21.6	
26 Tert-butyl ethyl ether	59	4.365	4.360	0.005	41	547418	0	
27 Vinyl acetate	43	4.374	4.377	-0.003	97	2309939	0	

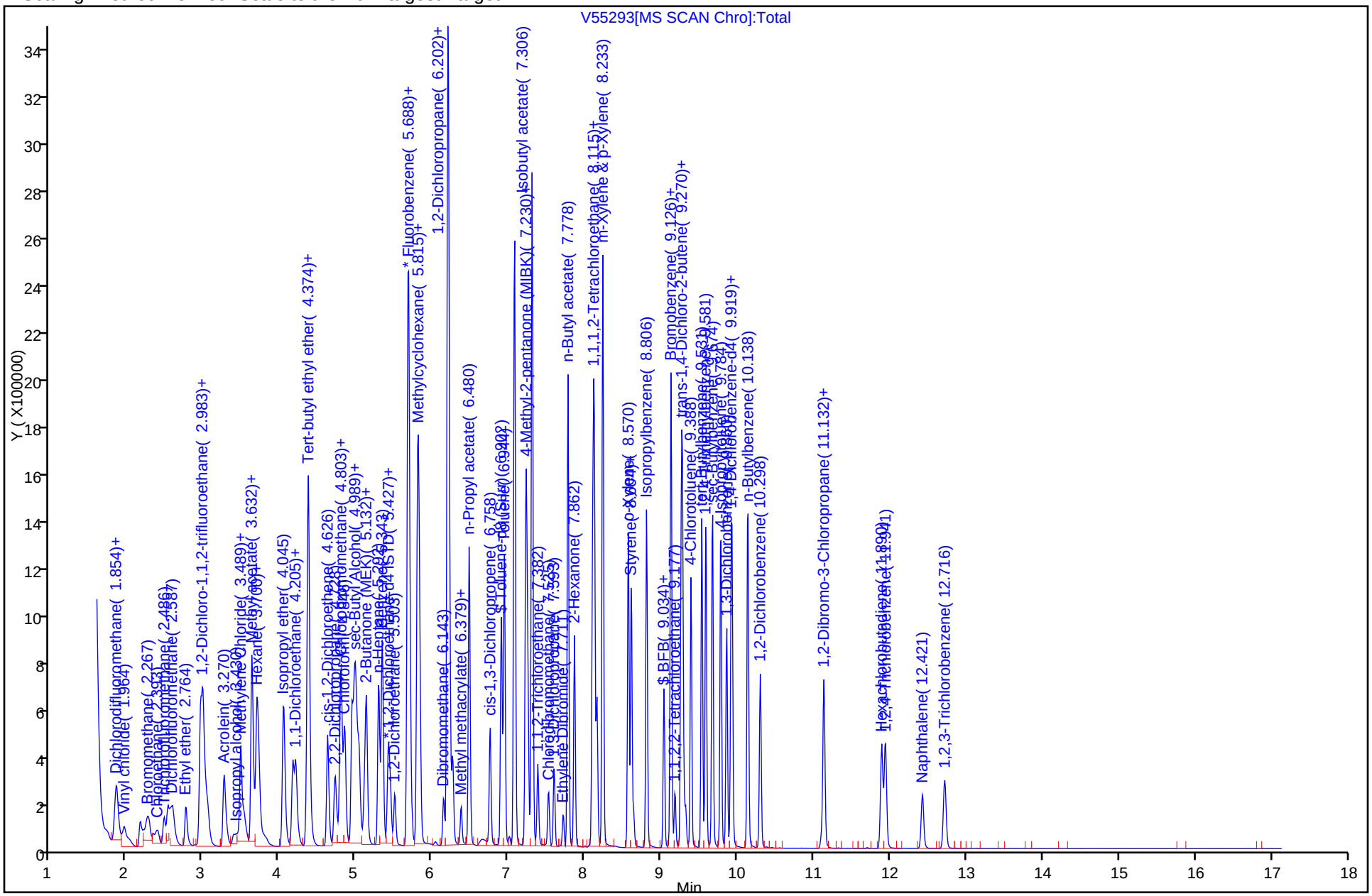
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61	4.626	4.629	-0.003	83	316303	22.1	
29 2,2-Dichloropropane	77	4.728	4.722	0.006	65	262370	20.8	
31 Chlorobromomethane	130	4.795	4.798	-0.003	58	94652	0	
30 Cyclohexane	56	4.803	4.806	-0.003	87	388488	0	
32 Chloroform	83	4.854	4.848	0.006	93	361507	21.1	
34 Ethyl acetate	43	4.947	4.941	0.006	98	845040	0	
33 Carbon tetrachloride	117	4.980	4.975	0.005	87	223750	20.1	
36 sec-Butyl Alcohol	45	4.972	4.975	-0.003	71	434604	0	
35 Tetrahydrofuran	42	4.989	4.992	-0.003	62	251927	212.0	
$ 37 Dibromofluoromethane	113	5.006	5.009	-0.003	67	136557	18.2	
38 1,1,1-Trichloroethane	97	5.039	5.034	0.005	52	294405	21.2	
39 2-Butanone (MEK)	43	5.115	5.110	0.005	98	378653	249.6	
40 1,1-Dichloropropene	75	5.132	5.135	-0.003	89	287349	23.0	
41 n-Heptane	43	5.292	5.295	-0.003	96	351309	0	
42 Benzene	78	5.343	5.346	-0.003	97	795678	22.5	
43 Tert-amyl methyl ether	73	5.427	5.421	0.006	97	400174	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.452	5.455	-0.003	0	25487	20.0	
45 1,2-Dichloroethane	62	5.503	5.506	-0.003	90	175098	20.2	
* 46 Fluorobenzene	96	5.671	5.674	-0.003	71	622009	20.0	
48 Isopropyl acetate	43	5.680	5.683	-0.003	99	1816408	0	
47 2,4,4-Trimethyl-1-pentene	55	5.697	5.700	-0.003	70	179862	0	
50 Trichloroethene	95	5.806	5.809	-0.003	68	222326	22.3	
49 Methylcyclohexane	83	5.806	5.809	-0.003	85	369195	23.6	
51 2,4,4-Trimethyl-2-pentene	112	5.832	5.826	0.006	90	118990	0	
52 Dibromomethane	93	6.143	6.146	-0.003	83	88313	21.5	
53 1,2-Dichloropropane	63	6.228	6.222	0.006	66	193144	24.4	
54 Dichlorobromomethane	83	6.261	6.264	-0.003	98	231543	21.9	
55 Methyl methacrylate	69	6.379	6.374	0.005	92	59832	0	
56 1,4-Dioxane	88	6.430	6.433	-0.003	26	8013	0	
57 n-Propyl acetate	43	6.480	6.483	-0.003	98	1202418	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.758	6.753	0.005	90	274300	22.7	
$ 60 Toluene-d8 (Surr)	98	6.902	6.905	-0.003	84	610463	20.2	
61 Toluene	92	6.944	6.938	0.006	92	501075	23.0	
63 4-Methyl-2-pentanone (MIBK)	43	7.222	7.225	-0.003	97	875392	293.3	
62 Tetrachloroethene	166	7.239	7.242	-0.003	64	179128	21.4	
64 trans-1,3-Dichloropropene	75	7.256	7.259	-0.003	92	178479	22.1	
65 Isobutyl acetate	43	7.306	7.309	-0.003	94	2377553	0	
66 1,1,2-Trichloroethane	83	7.382	7.385	-0.003	90	86617	21.9	
67 Chlorodibromomethane	129	7.525	7.520	0.005	87	117980	17.3	
68 1,3-Dichloropropane	76	7.593	7.596	-0.003	91	181347	19.1	
69 Ethylene Dibromide	107	7.711	7.714	-0.003	98	92273	17.4	
70 n-Butyl acetate	43	7.778	7.773	0.005	99	1379194	0	
71 2-Hexanone	43	7.862	7.857	0.005	94	568339	289.1	
* 72 Chlorobenzene-d5	117	8.098	8.101	-0.003	87	440522	20.0	
73 Chlorobenzene	112	8.115	8.110	0.005	80	445133	20.5	
74 Ethylbenzene	91	8.124	8.126	-0.002	97	879994	21.7	
75 1,1,1,2-Tetrachloroethane	131	8.157	8.160	-0.003	54	158722	19.8	
76 m-Xylene & p-Xylene	91	8.233	8.236	-0.003	98	1338040	52.2	
77 o-Xylene	91	8.570	8.565	0.005	98	748505	21.6	
78 Styrene	104	8.604	8.607	-0.003	85	507109	20.3	
79 Bromoform	173	8.638	8.641	-0.003	64	58078	16.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105	8.806	8.809	-0.003	96	904055	21.0	
$ 82 4-Bromofluorobenzene	95	9.034	9.037	-0.003	80	240414	19.8	
$ 81 BFB	95	9.034	9.037	-0.003	0	240414	0	
83 Bromobenzene	77	9.126	9.121	0.005	53	327264	20.9	
84 N-Propylbenzene	91	9.126	9.129	-0.003	96	1094629	27.5	
85 1,1,2,2-Tetrachloroethane	83	9.177	9.180	-0.003	69	113167	20.5	
86 2-Chlorotoluene	91	9.261	9.264	-0.003	92	692193	24.8	
87 1,3,5-Trimethylbenzene	105	9.278	9.281	-0.003	92	708509	24.9	
88 1,2,3-Trichloropropane	110	9.295	9.298	-0.003	70	26343	16.8	
89 trans-1,4-Dichloro-2-butene	53	9.320	9.323	-0.003	1	29961	27.6	
90 4-Chlorotoluene	91	9.388	9.391	-0.002	91	656208	20.7	
91 tert-Butylbenzene	119	9.531	9.534	-0.003	86	598170	20.6	
92 1,2,4-Trimethylbenzene	105	9.581	9.584	-0.003	22	722751	22.1	
93 sec-Butylbenzene	105	9.674	9.669	0.005	94	1015495	21.1	
94 4-Isopropyltoluene	119	9.784	9.778	0.006	92	770045	21.1	
95 1,3-Dichlorobenzene	146	9.860	9.854	0.006	97	365550	19.4	
* 96 1,4-Dichlorobenzene-d4	115	9.919	9.913	0.006	95	129503	20.0	
97 1,4-Dichlorobenzene	146	9.927	9.930	-0.003	85	347682	19.8	
98 n-Butylbenzene	91	10.138	10.132	0.006	95	858487	23.5	
99 1,2-Dichlorobenzene	146	10.298	10.301	-0.003	96	310375	19.8	
100 1,2-Dibromo-3-Chloropropane	157	11.098	11.101	-0.003	73	15797	17.5	
101 1,3,5-Trichlorobenzene	180	11.132	11.135	-0.003	96	263776	0	
102 Hexachlorobutadiene	225	11.890	11.893	-0.003	86	123168	19.7	
103 1,2,4-Trichlorobenzene	180	11.941	11.935	0.006	88	185264	20.0	
104 Naphthalene	128	12.421	12.424	-0.003	97	258106	19.5	
105 1,2,3-Trichlorobenzene	180	12.716	12.719	-0.003	92	138016	19.2	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 13-Dec-2011 12:34:23 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55293.D
Injection Date: 12-Dec-2011 17:21:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: HP #1 GC/MS
Lims Batch ID: 84698 Lims Sample ID: 4
Operator ID: BW
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 13-Dec-2011 12:34:23 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55293.D

Injection Date: 12-Dec-2011 17:21:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: HP #1 GC/MS

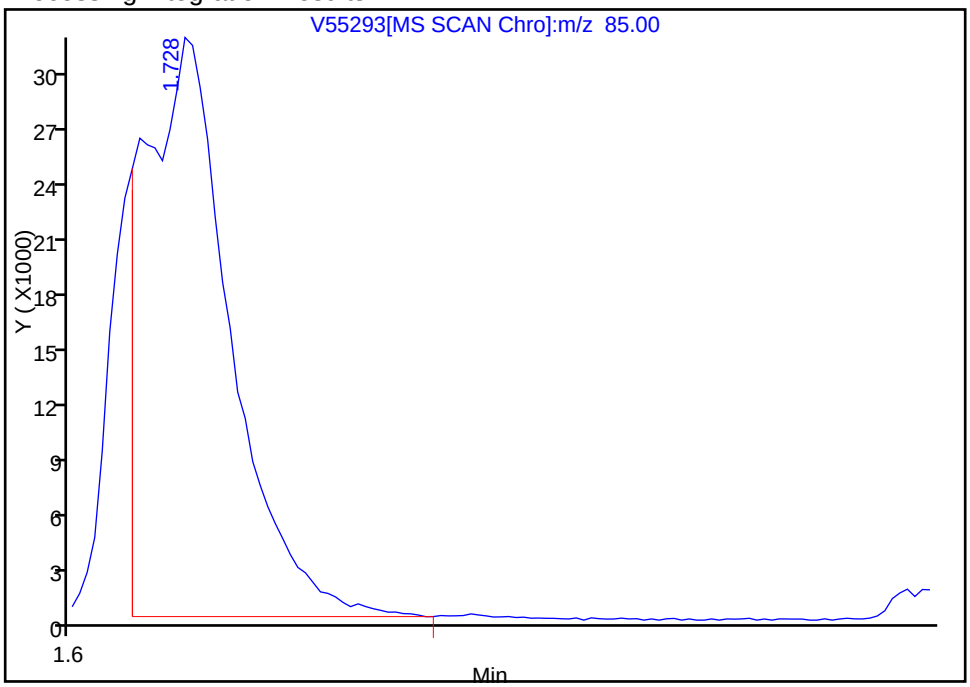
Lims Batch ID: 84698 Lims Sample ID: 4

Operator ID: BW

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.73

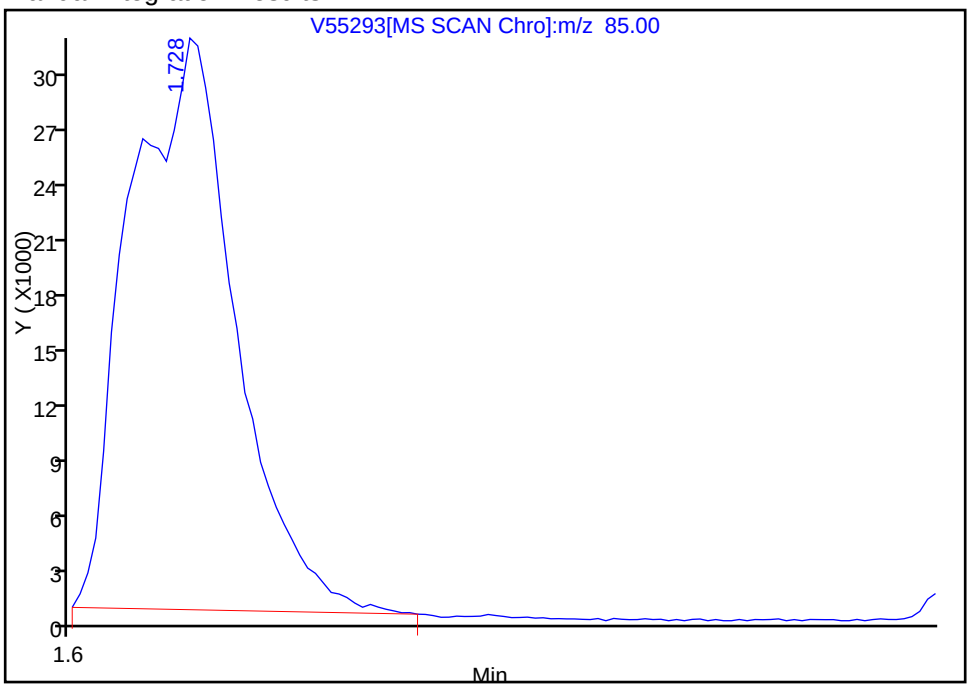
Processing Integration Results

RT: 1.73
Response: 215778
Amount: 15.812873



Manual Integration Results

RT: 1.73
Response: 245924
Amount: 18.022064



Reviewer: weigelb, 13-Dec-2011 12:34:23
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 MS | Lab Sample ID: 360-37847-2 MS

Matrix: Solid | Lab File ID: V55314.D

Analysis Method: 8260B | Date Collected: 11/29/2011 11:20

Sample wt/vol: 5.99(g) | Date Analyzed: 12/13/2011 02:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 13.1 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	104		2.4	1.2
71-55-6	1,1,1-Trichloroethane	113		2.4	1.9
79-34-5	1,1,2,2-Tetrachloroethane	99.9		2.4	0.96
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	89.3		12	1.4
79-00-5	1,1,2-Trichloroethane	111		2.4	0.96
75-34-3	1,1-Dichloroethane	121		2.4	1.8
75-35-4	1,1-Dichloroethene	115		2.4	1.5
563-58-6	1,1-Dichloropropene	118		2.4	1.4
87-61-6	1,2,3-Trichlorobenzene	85.9		2.4	1.1
96-18-4	1,2,3-Trichloropropane	88.3		2.4	1.2
120-82-1	1,2,4-Trichlorobenzene	88.3		2.4	0.96
95-63-6	1,2,4-Trimethylbenzene	115		2.4	1.3
96-12-8	1,2-Dibromo-3-Chloropropane	77.3		24	2.7
95-50-1	1,2-Dichlorobenzene	93.6		2.4	0.96
107-06-2	1,2-Dichloroethane	105		2.4	0.96
78-87-5	1,2-Dichloropropane	126		2.4	1.5
108-67-8	1,3,5-Trimethylbenzene	128		2.4	1.4
541-73-1	1,3-Dichlorobenzene	96.5		2.4	0.96
142-28-9	1,3-Dichloropropane	93.6		2.4	1.1
106-46-7	1,4-Dichlorobenzene	91.2		2.4	0.96
594-20-7	2,2-Dichloropropane	104		2.4	2.0
78-93-3	2-Butanone (MEK)	1290		24	10
95-49-8	2-Chlorotoluene	132		2.4	1.2
591-78-6	2-Hexanone	1410		24	13
106-43-4	4-Chlorotoluene	101		2.4	1.2
99-87-6	4-Isopropyltoluene	107		2.4	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	1550		24	9.8
67-64-1	Acetone	1120		240	96
107-13-1	Acrylonitrile	109		24	2.3
71-43-2	Benzene	120		2.4	1.5
108-86-1	Bromobenzene	109		2.4	0.96
75-25-2	Bromoform	72.0		2.4	1.5
74-83-9	Bromomethane	108		4.8	2.2
75-15-0	Carbon disulfide	150		2.4	1.8
56-23-5	Carbon tetrachloride	107		2.4	1.6
108-90-7	Chlorobenzene	101		2.4	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 MS | Lab Sample ID: 360-37847-2 MS

Matrix: Solid | Lab File ID: V55314.D

Analysis Method: 8260B | Date Collected: 11/29/2011 11:20

Sample wt/vol: 5.99(g) | Date Analyzed: 12/13/2011 02:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 13.1 | Level: (low/med) Low

Analysis Batch No.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	83.5		2.4	1.2
75-00-3	Chloroethane	136		4.8	1.9
67-66-3	Chloroform	116		2.4	1.4
74-87-3	Chloromethane	121		4.8	1.5
156-59-2	cis-1,2-Dichloroethene	117		2.4	1.1
10061-01-5	cis-1,3-Dichloropropene	107		2.4	0.96
74-95-3	Dibromomethane	109		2.4	1.2
75-27-4	Dichlorobromomethane	112		2.4	1.2
75-71-8	Dichlorodifluoromethane	94.1		4.8	2.0
100-41-4	Ethylbenzene	110		2.4	1.7
106-93-4	Ethylene Dibromide	82.1		2.4	1.1
87-68-3	Hexachlorobutadiene	82.6		2.4	1.4
98-82-8	Isopropylbenzene	107		2.4	1.4
179601-23-1	m-Xylene & p-Xylene	266		4.8	3.4
1634-04-4	Methyl tert-butyl ether	109		2.4	1.4
75-09-2	Methylene Chloride	119		9.6	9.4
104-51-8	n-Butylbenzene	108		2.4	1.2
103-65-1	N-Propylbenzene	143		2.4	1.6
91-20-3	Naphthalene	89.3		24	2.2
95-47-6	o-Xylene	112		2.4	1.2
135-98-8	sec-Butylbenzene	105		2.4	1.3
100-42-5	Styrene	98.9		2.4	0.96
98-06-6	tert-Butylbenzene	105		2.4	1.3
127-18-4	Tetrachloroethene	102		2.4	1.7
109-99-9	Tetrahydrofuran	1070		48	12
108-88-3	Toluene	114		2.4	1.7
156-60-5	trans-1,2-Dichloroethene	121		2.4	1.5
10061-02-6	trans-1,3-Dichloropropene	104		2.4	1.0
110-57-6	trans-1,4-Dichloro-2-butene	128		4.8	2.0
79-01-6	Trichloroethene	116		2.4	2.0
75-69-4	Trichlorofluoromethane	101		4.8	1.4
75-01-4	Vinyl chloride	104		2.4	1.6
1330-20-7	Xylenes, Total	378		4.8	3.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 MS Lab Sample ID: 360-37847-2 MS

Matrix: Solid Lab File ID: V55314.D

Analysis Method: 8260B Date Collected: 11/29/2011 11:20

Sample wt/vol: 5.99(g) Date Analyzed: 12/13/2011 02:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: 13.1 Level: (low/med) Low

Analysis Batch No.: 84698 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		70-130
1868-53-7	Dibromofluoromethane	95		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55314.D
Lims ID: 360-37847-D-2-A MS
Client ID: BC-SO-SB308-1012 MS
Inject. Date: 13-Dec-2011 02:15:30
Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 360-37847-D-2 MS
Misc. Info.: 8260LL =8260LL
Operator: BW
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 25
Lims Batch ID: 84698
Lims Sample ID: 25
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m
Last Update: 13-Dec-2011 12:07:14
Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE
ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb
Date: 13-Dec-2011 12:33:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85	1.727	1.727	-0.004	0	207504	19.6	M
2 Chloromethane	50	1.853	1.857	-0.004	99	333935	25.2	
3 Vinyl chloride	62	1.963	1.958	0.005	60	236737	21.6	
4 Bromomethane	94	2.266	2.278	-0.012	91	157260	22.6	
5 Chloroethane	64	2.384	2.379	0.005	99	141009	28.3	
6 Trichlorofluoromethane	101	2.485	2.481	0.005	78	244668	21.1	
7 Dichlorofluoromethane	67	2.578	2.582	-0.004	89	361783	0	
8 Ethyl ether	59	2.772	2.767	0.005	95	108996	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.957	2.961	-0.004	73	142133	0	
9 1,1-Dichloroethene	96	2.965	2.961	0.004	97	167073	24.0	
11 Ethanol	45	2.974	2.978	-0.004	19	33725	0	
10 Carbon disulfide	76	2.991	2.995	-0.004	99	645469	31.3	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.041	3.045	-0.004	96	86049	18.6	
14 Acrolein	56	3.269	3.273	-0.004	98	347334	0	
15 Isopropyl alcohol	45	3.437	3.450	-0.013	95	208481	0	
16 Methylene Chloride	84	3.488	3.492	-0.004	97	199186	24.8	
17 Acetone	43	3.530	3.534	-0.004	95	155051	233.0	
18 trans-1,2-Dichloroethene	61	3.631	3.635	-0.004	75	292309	25.2	
19 Methyl acetate	43	3.640	3.635	0.005	98	593287	253.4	
20 Hexane	57	3.699	3.702	-0.004	70	338087	0	
21 Methyl tert-butyl ether	73	3.724	3.728	-0.004	57	303936	22.8	
22 2-Methyl-2-propanol	59	3.816	3.804	0.012	12	72346	0	
23 Isopropyl ether	45	4.044	4.048	-0.004	98	656588	0	
24 1,1-Dichloroethane	63	4.170	4.166	0.004	94	372308	25.3	
125 Halothane	117	4.204	4.208	-0.004	92	129985	0	
25 Acrylonitrile	53	4.213	4.216	-0.003	38	27024	22.8	
26 Tert-butyl ethyl ether	59	4.356	4.360	-0.004	58	471555	0	
27 Vinyl acetate	43	4.373	4.377	-0.004	97	1626119	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61	4.625	4.629	-0.004	83	270811	24.4	
29 2,2-Dichloropropane	77	4.718	4.722	-0.004	65	211242	21.6	
31 Chlorobromomethane	130	4.794	4.798	-0.004	56	80293	0	
30 Cyclohexane	56	4.802	4.806	-0.004	87	339382	0	
32 Chloroform	83	4.845	4.848	-0.003	94	321950	24.2	
34 Ethyl acetate	43	4.946	4.941	0.005	98	688706	0	
33 Carbon tetrachloride	117	4.971	4.975	-0.004	90	192098	22.3	
36 sec-Butyl Alcohol	45	4.971	4.975	-0.004	69	360196	0	
35 Tetrahydrofuran	42	4.988	4.992	-0.004	62	204848	222.3	
$ 37 Dibromofluoromethane	113	5.005	5.009	-0.004	73	109862	18.9	
38 1,1,1-Trichloroethane	97	5.030	5.034	-0.004	56	254241	23.6	
39 2-Butanone (MEK)	43	5.106	5.110	-0.004	99	303774	268.0	
40 1,1-Dichloropropene	75	5.131	5.135	-0.004	92	238123	24.6	
41 n-Heptane	43	5.291	5.295	-0.004	96	267510	0	
42 Benzene	78	5.342	5.346	-0.004	96	683301	24.9	
43 Tert-amyl methyl ether	73	5.418	5.421	-0.003	96	330602	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.451	5.455	-0.004	0	19040	20.0	
45 1,2-Dichloroethane	62	5.502	5.506	-0.004	90	147140	21.9	
* 46 Fluorobenzene	96	5.670	5.674	-0.004	63	482264	20.0	
48 Isopropyl acetate	43	5.679	5.683	-0.004	98	1550044	0	
47 2,4,4-Trimethyl-1-pentene	55	5.696	5.700	-0.004	77	151860	0	
50 Trichloroethene	95	5.805	5.809	-0.004	62	187526	24.2	
49 Methylcyclohexane	83	5.805	5.809	-0.004	86	320214	26.4	
51 2,4,4-Trimethyl-2-pentene	112	5.822	5.826	-0.004	93	97097	0	
52 Dibromomethane	93	6.142	6.146	-0.004	83	72185	22.7	
53 1,2-Dichloropropane	63	6.227	6.222	0.005	73	160609	26.2	
54 Dichlorobromomethane	83	6.260	6.264	-0.004	97	192125	23.4	
55 Methyl methacrylate	69	6.370	6.374	-0.004	93	45377	0	
56 1,4-Dioxane	88	6.437	6.433	0.004	13	6053	0	
57 n-Propyl acetate	43	6.479	6.483	-0.004	98	922885	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.757	6.753	0.004	90	208671	22.3	
$ 60 Toluene-d8 (Surr)	98	6.901	6.905	-0.004	93	475664	20.3	
61 Toluene	92	6.943	6.938	0.005	91	403621	23.8	
63 4-Methyl-2-pentanone (MIBK)	43	7.221	7.225	-0.004	97	722082	323.8	
62 Tetrachloroethene	166	7.238	7.242	-0.004	68	138221	21.3	
64 trans-1,3-Dichloropropene	75	7.255	7.259	-0.004	95	135195	21.6	
65 Isobutyl acetate	43	7.305	7.309	-0.004	94	2022232	0	
66 1,1,2-Trichloroethane	83	7.381	7.385	-0.004	90	71165	23.2	
67 Chlorodibromomethane	129	7.524	7.520	0.004	87	91798	17.4	
68 1,3-Dichloropropane	76	7.592	7.596	-0.004	93	144181	19.5	
69 Ethylene Dibromide	107	7.710	7.714	-0.004	97	70222	17.1	
70 n-Butyl acetate	43	7.777	7.773	0.004	99	1064532	0	
71 2-Hexanone	43	7.861	7.857	0.004	94	432309	294.4	
* 72 Chlorobenzene-d5	117	8.097	8.101	-0.004	89	339780	20.0	
73 Chlorobenzene	112	8.114	8.110	0.004	79	351464	21.0	
74 Ethylbenzene	91	8.123	8.126	-0.003	98	719875	23.0	
75 1,1,1,2-Tetrachloroethane	131	8.156	8.160	-0.004	58	133738	21.6	
76 m-Xylene & p-Xylene	91	8.232	8.236	-0.004	99	1085832	55.4	
77 o-Xylene	91	8.569	8.565	0.004	98	624630	23.4	
78 Styrene	104	8.611	8.607	0.004	84	395729	20.6	
79 Bromoform	173	8.637	8.641	-0.004	64	45030	15.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105	8.805	8.809	-0.004	96	735276	22.2	
$ 82 4-Bromofluorobenzene	95	9.033	9.037	-0.004	78	190831	20.4	
83 Bromobenzene	77	9.125	9.121	0.004	55	274121	22.7	
84 N-Propylbenzene	91	9.134	9.129	0.005	97	904963	29.8	
85 1,1,2,2-Tetrachloroethane	83	9.184	9.180	0.004	76	95991	20.8	
86 2-Chlorotoluene	91	9.260	9.264	-0.004	92	583482	27.5	
87 1,3,5-Trimethylbenzene	105	9.277	9.281	-0.004	91	577129	26.6	
88 1,2,3-Trichloropropane	110	9.294	9.298	-0.004	60	22177	18.4	
89 trans-1,4-Dichloro-2-butene	53	9.319	9.323	-0.004	6	22373	26.6	
90 4-Chlorotoluene	91	9.395	9.391	0.005	98	514178	21.0	
91 tert-Butylbenzene	119	9.530	9.534	-0.004	86	491193	21.9	
92 1,2,4-Trimethylbenzene	105	9.589	9.584	0.005	18	594990	24.0	
93 sec-Butylbenzene	105	9.673	9.669	0.004	95	811903	21.9	
94 4-Isopropyltoluene	119	9.783	9.778	0.005	92	623746	22.2	
95 1,3-Dichlorobenzene	146	9.859	9.854	0.005	96	292784	20.1	
* 96 1,4-Dichlorobenzene-d4	115	9.918	9.913	0.005	90	108461	20.0	
97 1,4-Dichlorobenzene	146	9.934	9.930	0.004	90	279286	19.0	
98 n-Butylbenzene	91	10.137	10.132	0.005	95	685252	22.4	
99 1,2-Dichlorobenzene	146	10.305	10.301	0.004	96	255731	19.5	
100 1,2-Dibromo-3-Chloropropane	157	11.106	11.101	0.005	68	12196	16.1	
101 1,3,5-Trichlorobenzene	180	11.139	11.135	0.004	96	210326	0	
102 Hexachlorobutadiene	225	11.898	11.893	0.005	86	90115	17.2	
103 1,2,4-Trichlorobenzene	180	11.948	11.935	0.013	87	143055	18.4	
104 Naphthalene	128	12.429	12.424	0.005	97	205852	18.6	
105 1,2,3-Trichlorobenzene	180	12.724	12.719	0.005	94	107777	17.9	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 13-Dec-2011 12:33:10 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55314.D

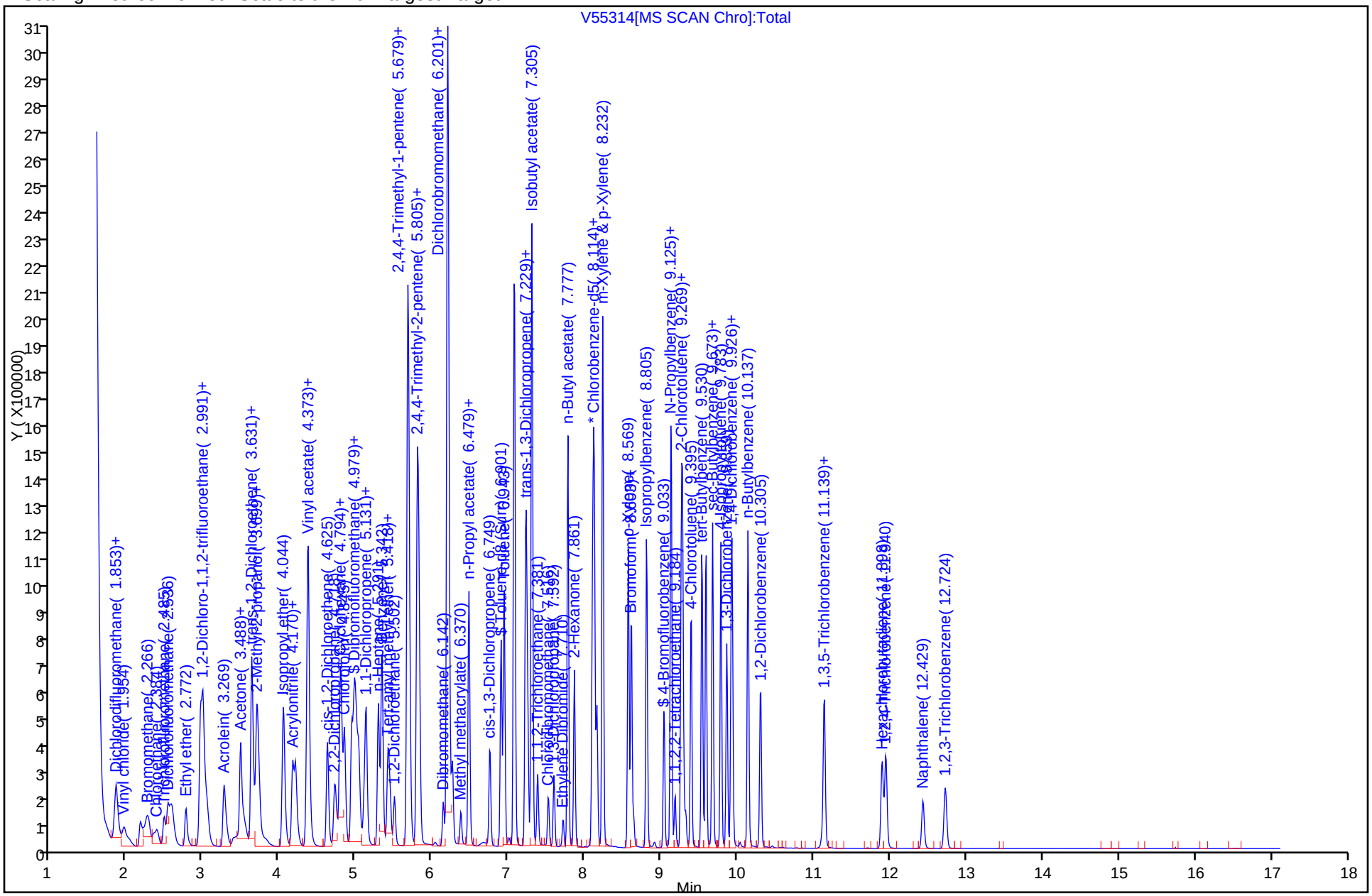
Injection Date: 13-Dec-2011 02:15:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-SO-SB308-1012 MS Instrument ID: HP #1 GC/MS

Lims Batch ID: 84698 Lims Sample ID: 25

Operator ID: BW

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 13-Dec-2011 12:33:10 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Manual Integration/User Assign Peak Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55314.D

Injection Date: 13-Dec-2011 02:15:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-SO-SB308-1012 MS Instrument ID: HP #1 GC/MS

Lims Batch ID: 84698 Lims Sample ID: 25

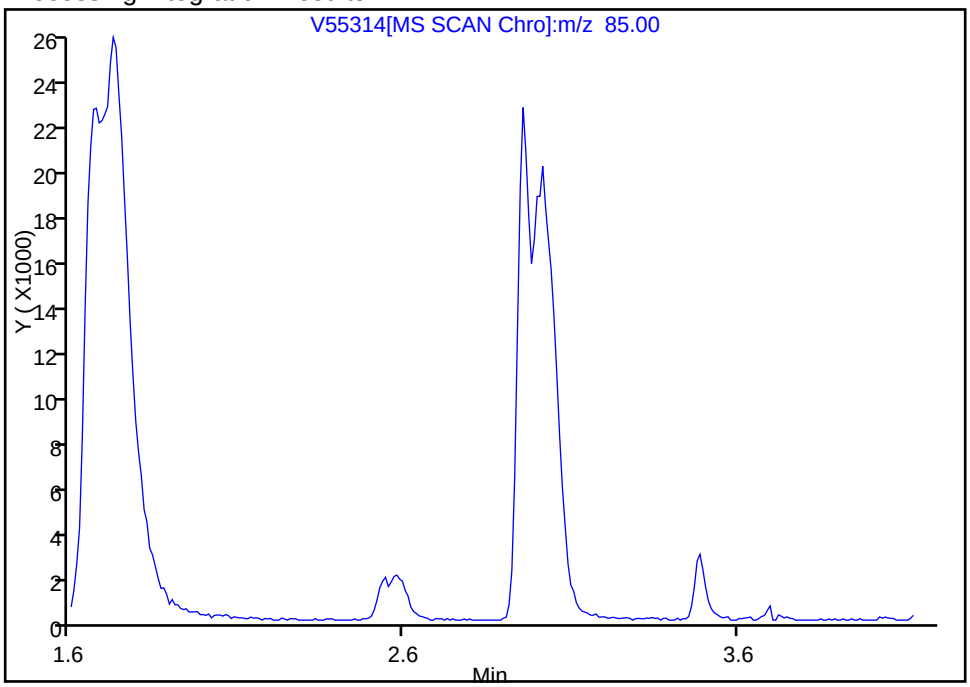
Operator ID: BW

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.73

Not Detected

Expected RT: 1.73

Processing Integration Results

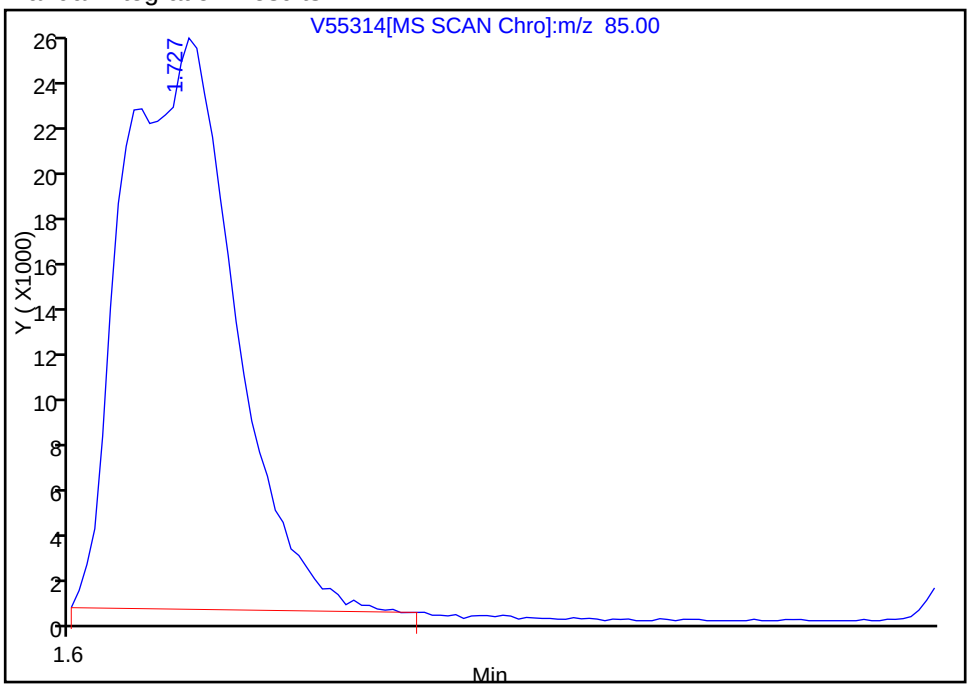


Manual Integration Results

RT: 1.73

Response: 207504

Amount: 19.612905



Reviewer: weigelb, 13-Dec-2011 12:33:09

Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 MSD | Lab Sample ID: 360-37847-2 MSD

Matrix: Solid | Lab File ID: V55315.D

Analysis Method: 8260B | Date Collected: 11/29/2011 11:20

Sample wt/vol: 5.83(g) | Date Analyzed: 12/13/2011 02:40

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.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	110		2.6	1.2
71-55-6	1,1,1-Trichloroethane	122		2.6	2.0
79-34-5	1,1,2,2-Tetrachloroethane	108		2.6	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	99.5		13	1.5
79-00-5	1,1,2-Trichloroethane	120		2.6	1.0
75-34-3	1,1-Dichloroethane	130		2.6	1.9
75-35-4	1,1-Dichloroethene	129		2.6	1.6
563-58-6	1,1-Dichloropropene	126		2.6	1.5
87-61-6	1,2,3-Trichlorobenzene	99.5		2.6	1.1
96-18-4	1,2,3-Trichloropropane	97.4		2.6	1.2
120-82-1	1,2,4-Trichlorobenzene	98.9		2.6	1.0
95-63-6	1,2,4-Trimethylbenzene	122		2.6	1.4
96-12-8	1,2-Dibromo-3-Chloropropane	90.3		26	2.9
95-50-1	1,2-Dichlorobenzene	102		2.6	1.0
107-06-2	1,2-Dichloroethane	113		2.6	1.0
78-87-5	1,2-Dichloropropane	133		2.6	1.6
108-67-8	1,3,5-Trimethylbenzene	136		2.6	1.5
541-73-1	1,3-Dichlorobenzene	103		2.6	1.0
142-28-9	1,3-Dichloropropane	98.9		2.6	1.2
106-46-7	1,4-Dichlorobenzene	97.9		2.6	1.0
594-20-7	2,2-Dichloropropane	112		2.6	2.1
78-93-3	2-Butanone (MEK)	1330		26	11
95-49-8	2-Chlorotoluene	142		2.6	1.3
591-78-6	2-Hexanone	1510		26	14
106-43-4	4-Chlorotoluene	109		2.6	1.2
99-87-6	4-Isopropyltoluene	113		2.6	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	1690		26	10
67-64-1	Acetone	1340		260	100
107-13-1	Acrylonitrile	120		26	2.4
71-43-2	Benzene	127		2.6	1.6
108-86-1	Bromobenzene	117		2.6	1.0
75-25-2	Bromoform	77.5		2.6	1.6
74-83-9	Bromomethane	115		5.1	2.3
75-15-0	Carbon disulfide	163		2.6	1.9
56-23-5	Carbon tetrachloride	114		2.6	1.7
108-90-7	Chlorobenzene	107		2.6	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 MSD | Lab Sample ID: 360-37847-2 MSD

Matrix: Solid | Lab File ID: V55315.D

Analysis Method: 8260B | Date Collected: 11/29/2011 11:20

Sample wt/vol: 5.83(g) | Date Analyzed: 12/13/2011 02:40

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.: 84698 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	89.8		2.6	1.2
75-00-3	Chloroethane	149		5.1	2.0
67-66-3	Chloroform	123		2.6	1.5
74-87-3	Chloromethane	128		5.1	1.6
156-59-2	cis-1,2-Dichloroethene	127		2.6	1.2
10061-01-5	cis-1,3-Dichloropropene	116		2.6	1.0
74-95-3	Dibromomethane	117		2.6	1.3
75-27-4	Dichlorobromomethane	120		2.6	1.3
75-71-8	Dichlorodifluoromethane	102		5.1	2.1
100-41-4	Ethylbenzene	116		2.6	1.8
106-93-4	Ethylene Dibromide	88.7		2.6	1.1
87-68-3	Hexachlorobutadiene	88.7		2.6	1.5
98-82-8	Isopropylbenzene	113		2.6	1.5
179601-23-1	m-Xylene & p-Xylene	283		5.1	3.6
1634-04-4	Methyl tert-butyl ether	122		2.6	1.5
75-09-2	Methylene Chloride	126		10	10
104-51-8	n-Butylbenzene	115		2.6	1.2
103-65-1	N-Propylbenzene	152		2.6	1.7
91-20-3	Naphthalene	103		26	2.3
95-47-6	o-Xylene	118		2.6	1.3
135-98-8	sec-Butylbenzene	112		2.6	1.4
100-42-5	Styrene	105		2.6	1.0
98-06-6	tert-Butylbenzene	113		2.6	1.4
127-18-4	Tetrachloroethene	109		2.6	1.8
109-99-9	Tetrahydrofuran	1220		51	13
108-88-3	Toluene	121		2.6	1.8
156-60-5	trans-1,2-Dichloroethene	128		2.6	1.6
10061-02-6	trans-1,3-Dichloropropene	110		2.6	1.1
110-57-6	trans-1,4-Dichloro-2-butene	148		5.1	2.1
79-01-6	Trichloroethene	126		2.6	2.1
75-69-4	Trichlorofluoromethane	113		5.1	1.4
75-01-4	Vinyl chloride	113		2.6	1.7
1330-20-7	Xylenes, Total	401		5.1	3.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 MSD Lab Sample ID: 360-37847-2 MSD

Matrix: Solid Lab File ID: V55315.D

Analysis Method: 8260B Date Collected: 11/29/2011 11:20

Sample wt/vol: 5.83(g) Date Analyzed: 12/13/2011 02:40

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.: 84698 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		70-130
1868-53-7	Dibromofluoromethane	94		70-130
2037-26-5	Toluene-d8 (Surr)	100		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55315.D
Lims ID: 360-37847-E-2-A MSD
Client ID: BC-SO-SB308-1012 MSD
Inject. Date: 13-Dec-2011 02:40:30
Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 360-37847-E-2 MSD
Misc. Info.: 8260LL =8260LL
Operator: BW
Instrument ID: HP #1 GC/MS
Vol. Injected: 1.0000
ALS Bottle#: 26
Lims Batch ID: 84698
Lims Sample ID: 26
Detector: MS SCAN

Method: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\WES1SOIL.m
Last Update: 13-Dec-2011 12:07:14
Calib Date: 28-Nov-2011 19:38:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\HPGCMS1.i\20111129-7280.b\V55153.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE
ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: weigelb
Date: 13-Dec-2011 12:33:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 127 1,2-Dichloroethene, Total	1		0.000					
S 123 1,3-Dichloropropene, Total	1		0.000					
S 126 Xylenes, Total	1		0.000					
1 Dichlorodifluoromethane	85	1.727	1.727	-0.004	0	221574	20.0	M
2 Chloromethane	50	1.854	1.857	-0.003	89	346391	25.0	
3 Vinyl chloride	62	1.955	1.958	-0.003	71	252896	22.1	
4 Bromomethane	94	2.258	2.278	-0.020	90	164001	22.6	
5 Chloroethane	64	2.376	2.379	-0.003	95	151637	29.2	
6 Trichlorofluoromethane	101	2.477	2.481	-0.003	67	268205	22.1	
7 Dichlorofluoromethane	67	2.570	2.582	-0.012	87	389030	0	
8 Ethyl ether	59	2.764	2.767	-0.003	96	124574	0	
13 1,2-Dichloro-1,1,2-trifluoroethane	117	2.958	2.961	-0.003	69	150372	0	
9 1,1-Dichloroethene	96	2.958	2.961	-0.003	97	183917	25.3	
11 Ethanol	45	2.983	2.978	0.005	18	38243	0	
10 Carbon disulfide	76	2.983	2.995	-0.012	99	691610	32.0	
12 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.034	3.045	-0.011	83	94544	19.5	
14 Acrolein	56	3.261	3.273	-0.012	97	372095	0	
15 Isopropyl alcohol	45	3.438	3.450	-0.012	87	225477	0	
16 Methylene Chloride	84	3.480	3.492	-0.012	93	207808	24.8	
17 Acetone	43	3.531	3.534	-0.003	96	190658	262.6	
18 trans-1,2-Dichloroethene	61	3.623	3.635	-0.012	80	303978	25.1	
19 Methyl acetate	43	3.632	3.635	-0.003	98	683770	279.2	
20 Hexane	57	3.699	3.702	-0.003	70	359817	0	
21 Methyl tert-butyl ether	73	3.716	3.728	-0.012	55	333685	23.9	
22 2-Methyl-2-propanol	59	3.817	3.804	0.013	12	80147	0	
23 Isopropyl ether	45	4.045	4.048	-0.003	99	709263	0	
24 1,1-Dichloroethane	63	4.163	4.166	-0.003	94	390875	25.4	
125 Halothane	117	4.205	4.208	-0.003	90	135191	0	
25 Acrylonitrile	53	4.213	4.216	-0.003	39	29094	23.5	
26 Tert-butyl ethyl ether	59	4.357	4.360	-0.003	50	511257	0	
27 Vinyl acetate	43	4.365	4.377	-0.012	97	1716986	0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
28 cis-1,2-Dichloroethene	61	4.618	4.629	-0.011	84	288634	24.9	
29 2,2-Dichloropropane	77	4.719	4.722	-0.003	65	223031	21.9	
31 Chlorobromomethane	130	4.786	4.798	-0.012	63	86144	0	
30 Cyclohexane	56	4.795	4.806	-0.011	86	356657	0	
32 Chloroform	83	4.845	4.848	-0.003	94	335293	24.1	
34 Ethyl acetate	43	4.938	4.941	-0.003	99	721559	0	
33 Carbon tetrachloride	117	4.972	4.975	-0.003	93	200972	22.3	
36 sec-Butyl Alcohol	45	4.972	4.975	-0.003	70	379886	0	
35 Tetrahydrofuran	42	4.980	4.992	-0.012	62	230783	239.5	
$ 37 Dibromofluoromethane	113	4.997	5.009	-0.012	72	114492	18.8	
38 1,1,1-Trichloroethane	97	5.031	5.034	-0.003	50	269389	23.9	
39 2-Butanone (MEK)	43	5.107	5.110	-0.003	97	324171	261.5	
40 1,1-Dichloropropene	75	5.132	5.135	-0.003	93	250755	24.8	
41 n-Heptane	43	5.292	5.295	-0.003	96	275077	0	
42 Benzene	78	5.334	5.346	-0.012	97	714116	24.9	
43 Tert-amyl methyl ether	73	5.418	5.421	-0.003	98	362712	0	
* 44 1,2-Dichloroethane-d4 ISTD	102	5.444	5.455	-0.011	0	20822	20.0	
45 1,2-Dichloroethane	62	5.503	5.506	-0.003	84	155837	22.1	
* 46 Fluorobenzene	96	5.671	5.674	-0.003	58	504301	20.0	
48 Isopropyl acetate	43	5.680	5.683	-0.003	98	1631965	0	
47 2,4,4-Trimethyl-1-pentene	55	5.688	5.700	-0.012	65	163915	0	
50 Trichloroethene	95	5.798	5.809	-0.011	67	200068	24.7	
49 Methylcyclohexane	83	5.798	5.809	-0.011	91	335037	26.4	
51 2,4,4-Trimethyl-2-pentene	112	5.823	5.826	-0.003	92	105368	0	
52 Dibromomethane	93	6.143	6.146	-0.003	86	76467	23.0	
53 1,2-Dichloropropane	63	6.219	6.222	-0.003	61	167069	26.1	
54 Dichlorobromomethane	83	6.261	6.264	-0.003	93	201374	23.5	
55 Methyl methacrylate	69	6.371	6.374	-0.003	92	49476	0	
56 1,4-Dioxane	88	6.430	6.433	-0.003	13	5382	0	
57 n-Propyl acetate	43	6.480	6.483	-0.003	98	991411	0	
58 2-Chloroethyl vinyl ether	63		6.708					
59 cis-1,3-Dichloropropene	75	6.750	6.753	-0.003	90	221813	22.7	
$ 60 Toluene-d8 (Surr)	98	6.902	6.905	-0.003	83	490244	20.0	
61 Toluene	92	6.935	6.938	-0.003	92	421498	23.8	
63 4-Methyl-2-pentanone (MIBK)	43	7.222	7.225	-0.003	97	809691	332.1	
62 Tetrachloroethene	166	7.239	7.242	-0.003	78	144960	21.4	
64 trans-1,3-Dichloropropene	75	7.247	7.259	-0.012	91	141036	21.6	
65 Isobutyl acetate	43	7.306	7.309	-0.003	95	2149325	0	
66 1,1,2-Trichloroethane	83	7.382	7.385	-0.003	71	75132	23.5	
67 Chlorodibromomethane	129	7.517	7.520	-0.003	88	97797	17.6	
68 1,3-Dichloropropane	76	7.593	7.596	-0.004	92	150263	19.4	
69 Ethylene Dibromide	107	7.710	7.714	-0.004	97	74875	17.4	
70 n-Butyl acetate	43	7.778	7.773	0.005	99	1134999	0	
71 2-Hexanone	43	7.862	7.857	0.005	97	475625	296.2	
* 72 Chlorobenzene-d5	117	8.098	8.101	-0.003	86	355434	20.0	
73 Chlorobenzene	112	8.107	8.110	-0.003	86	365997	20.9	
74 Ethylbenzene	91	8.123	8.126	-0.003	98	746813	22.8	
75 1,1,1,2-Tetrachloroethane	131	8.157	8.160	-0.003	55	140099	21.6	
76 m-Xylene & p-Xylene	91	8.233	8.236	-0.003	99	1136872	55.4	
77 o-Xylene	91	8.570	8.565	0.005	98	647697	23.2	
78 Styrene	104	8.604	8.607	-0.003	76	415202	20.6	
79 Bromoform	173	8.637	8.641	-0.004	64	47169	15.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
80 Isopropylbenzene	105	8.806	8.809	-0.003	96	768084	22.2	
$ 82 4-Bromofluorobenzene	95	9.034	9.037	-0.003	79	196338	20.0	
83 Bromobenzene	77	9.126	9.121	0.005	54	288208	22.9	
84 N-Propylbenzene	91	9.126	9.129	-0.003	95	947935	29.9	
85 1,1,2,2-Tetrachloroethane	83	9.177	9.180	-0.003	75	101165	21.2	
86 2-Chlorotoluene	91	9.261	9.264	-0.003	92	618561	27.9	
87 1,3,5-Trimethylbenzene	105	9.278	9.281	-0.003	92	604721	26.6	
88 1,2,3-Trichloropropane	110	9.295	9.298	-0.003	64	24067	19.1	
89 trans-1,4-Dichloro-2-butene	53	9.320	9.323	-0.003	1	25261	29.1	
90 4-Chlorotoluene	91	9.387	9.391	-0.003	98	548323	21.4	
91 tert-Butylbenzene	119	9.531	9.534	-0.003	86	519070	22.2	
92 1,2,4-Trimethylbenzene	105	9.590	9.584	0.006	15	622046	24.0	
93 sec-Butylbenzene	105	9.674	9.669	0.005	95	853449	22.0	
94 4-Isopropyltoluene	119	9.783	9.778	0.005	93	652862	22.2	
95 1,3-Dichlorobenzene	146	9.859	9.854	0.005	96	306852	20.2	
* 96 1,4-Dichlorobenzene-d4	115	9.918	9.913	0.005	95	112065	20.0	
97 1,4-Dichlorobenzene	146	9.935	9.930	0.005	90	290737	19.2	
98 n-Butylbenzene	91	10.137	10.132	0.005	95	713666	22.6	
99 1,2-Dichlorobenzene	146	10.306	10.301	0.005	96	271671	20.0	
100 1,2-Dibromo-3-Chloropropane	157	11.107	11.101	0.005	71	13821	17.7	
101 1,3,5-Trichlorobenzene	180	11.140	11.135	0.005	96	213503	0	
102 Hexachlorobutadiene	225	11.899	11.893	0.006	86	94168	17.4	
103 1,2,4-Trichlorobenzene	180	11.949	11.935	0.014	87	155784	19.4	
104 Naphthalene	128	12.430	12.424	0.006	97	231296	20.2	
105 1,2,3-Trichlorobenzene	180	12.724	12.719	0.005	92	120992	19.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 13-Dec-2011 12:33:34 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55315.D

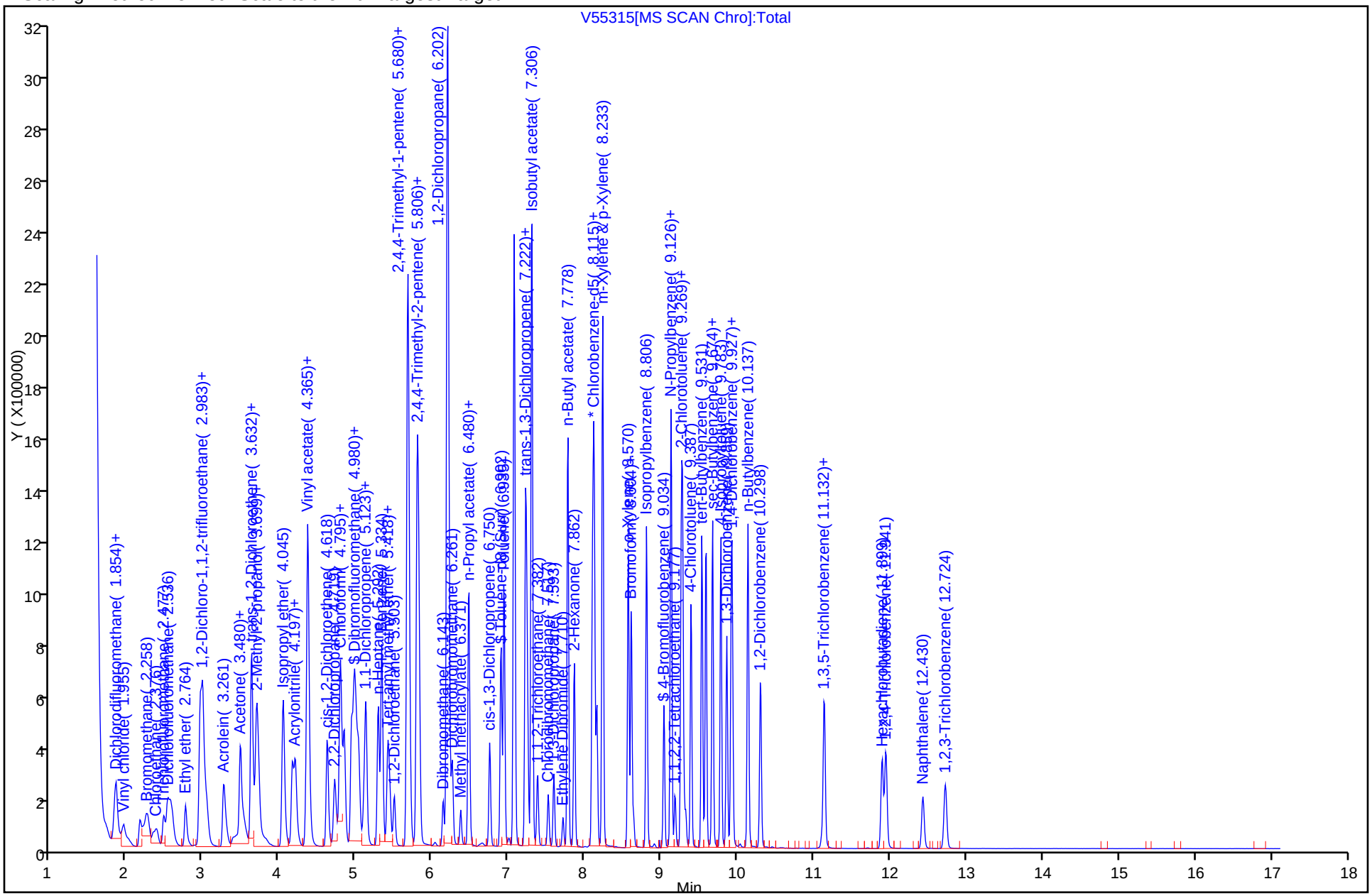
Injection Date: 13-Dec-2011 02:40:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-SO-SB308-1012 MSD Instrument ID: HP #1 GC/MS

Lims Batch ID: 84698 Lims Sample ID: 26

Operator ID: BW

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 13-Dec-2011 12:33:34 Chrom Revision: 2.0 29-Sep-2011 09:38:02

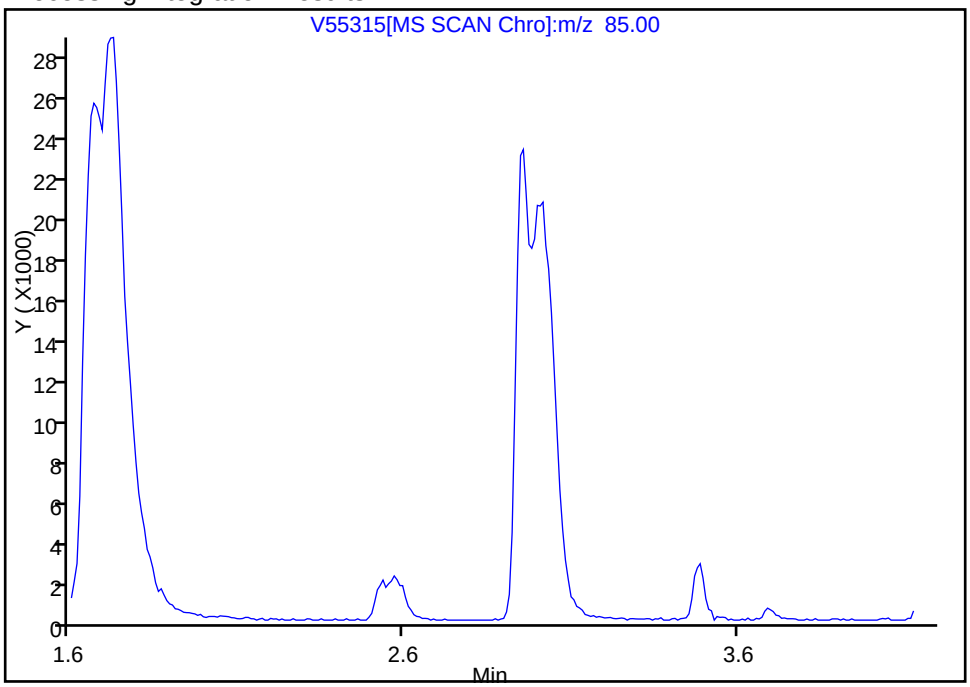
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\HPGCMS1.i\20111213-7396.b\V55315.D		
Injection Date:	13-Dec-2011 02:40:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:	BC-SO-SB308-1012 MSD	Instrument ID:	HP #1 GC/MS
Lims Batch ID:	84698	Lims Sample ID:	26
Operator ID:	BW		

1 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.73

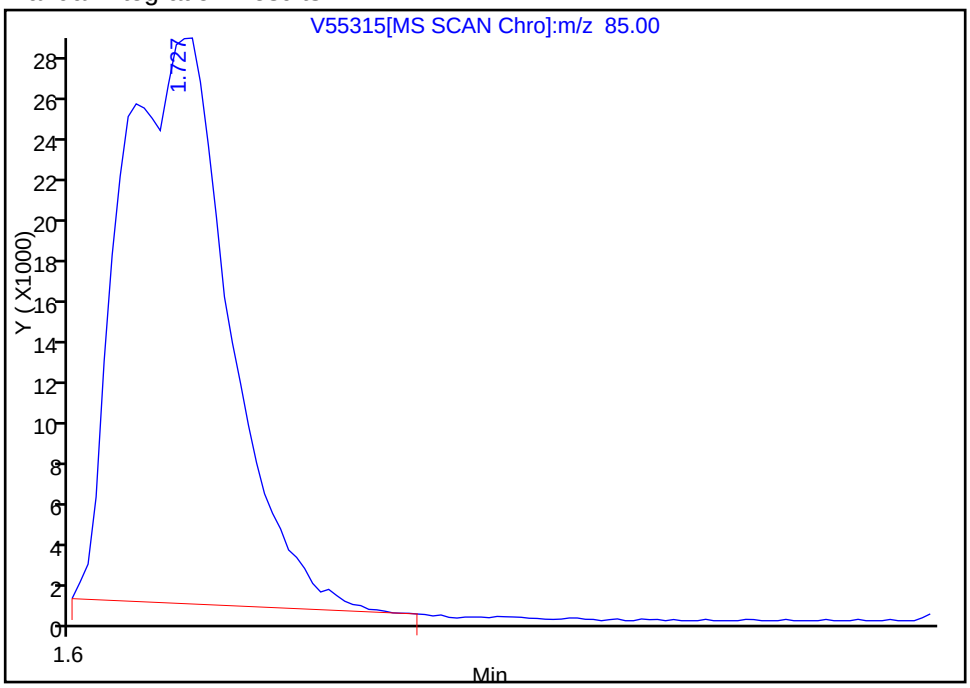
Processing Integration Results

Not Detected
Expected RT: 1.73



Manual Integration Results

RT: 1.73
Response: 221574
Amount: 20.027616



Reviewer: weigelb, 13-Dec-2011 12:33:34
Audit Action: Manually Integrated
Audit Reason: Assign Peak

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Instrument ID: HP #1 GC/MS Start Date: 11/28/2011 16:39

Analysis Batch Number: 83953 End Date: 11/28/2011 20:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-83953/1		11/28/2011 16:39	1	V55146.D	RTX-VMS 0.25(um)
STD05 360-83953/2 IC		11/28/2011 17:05	1	V55147.D	RTX-VMS 0.25(um)
STD1 360-83953/3 IC		11/28/2011 17:30	1	V55148.D	RTX-VMS 0.25(um)
STD5 360-83953/4 IC		11/28/2011 17:56	1	V55149.D	RTX-VMS 0.25(um)
STD10 360-83953/5 IC		11/28/2011 18:21	1	V55150.D	RTX-VMS 0.25(um)
STD20 360-83953/6 IC		11/28/2011 18:47	1	V55151.D	RTX-VMS 0.25(um)
STD40 360-83953/7 IC		11/28/2011 19:12	1	V55152.D	RTX-VMS 0.25(um)
STD160 360-83953/8 IC		11/28/2011 19:38	1	V55153.D	RTX-VMS 0.25(um)
ICV 360-83953/9		11/28/2011 20:03	1		RTX-VMS 0.25(um)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Instrument ID: HP #1 GC/MS Start Date: 12/12/2011 16:04

Analysis Batch Number: 84698 End Date: 12/13/2011 02:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-84698/1		12/12/2011 16:04	1	V55290.D	RTX-VMS 0.25(um)
CCVIS 360-84698/2		12/12/2011 16:30	1	V55291.D	RTX-VMS 0.25(um)
LCS 360-84699/1-A		12/12/2011 16:56	1	V55292.D	RTX-VMS 0.25(um)
LCSD 360-84699/2-A		12/12/2011 17:21	1	V55293.D	RTX-VMS 0.25(um)
MB 360-84699/3-A		12/12/2011 18:12	1	V55295.D	RTX-VMS 0.25(um)
360-37847-1	BC-SO-SB304-0406	12/12/2011 18:37	1	V55296.D	RTX-VMS 0.25(um)
360-37847-2	BC-SO-SB308-1012	12/12/2011 19:02	1	V55297.D	RTX-VMS 0.25(um)
360-37847-3	BC-SO-SB305-1012	12/12/2011 19:28	1	V55298.D	RTX-VMS 0.25(um)
360-37847-4	BC-SO-SB306-1012	12/12/2011 19:53	1	V55299.D	RTX-VMS 0.25(um)
360-37847-5	BC-SO-SB305-0203	12/12/2011 20:19	1	V55300.D	RTX-VMS 0.25(um)
360-37847-6	BC-SO-SB307-0810	12/12/2011 20:44	1	V55301.D	RTX-VMS 0.25(um)
360-37847-7	BC-TB-112911	12/12/2011 21:09	1	V55302.D	RTX-VMS 0.25(um)
360-37847-8	BC-SO-SB200A-0406	12/12/2011 21:35	1	V55303.D	RTX-VMS 0.25(um)
360-37847-2 MS	BC-SO-SB308-1012 MS	12/13/2011 02:15	1	V55314.D	RTX-VMS 0.25(um)
360-37847-2 MSD	BC-SO-SB308-1012 MSD	12/13/2011 02:40	1	V55315.D	RTX-VMS 0.25(um)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Batch Number: 84699 Batch Start Date: 12/12/11 11:22 Batch Analyst: Weigel, Brian

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment			
LCS 360-84699/1		5035, 8260B		5 g	5 g				
LCSD 360-84699/2		5035, 8260B		5 g	5 g				
MB 360-84699/3		5035, 8260B		5 g	5 g				
360-37847-D-1	BC-SO-SB304-0406	5035, 8260B	T	7.43 g	5 g	Ratio high			
360-37847-D-2	BC-SO-SB308-1012	5035, 8260B	T	5.96 g	5 g				
360-37847-D-3	BC-SO-SB305-1012	5035, 8260B	T	6.67 g	5 g	Ratio high			
360-37847-D-4	BC-SO-SB306-1012	5035, 8260B	T	5.99 g	5 g				
360-37847-D-5	BC-SO-SB305-0203	5035, 8260B	T	4.56 g	5 g				
360-37847-D-6	BC-SO-SB307-0810	5035, 8260B	T	7.32 g	5 g	Ratio high			
360-37847-B-7	BC-TB-112911	5035, 8260B	T	5 g	5 g				
360-37847-D-8	BC-SO-SB200A-0406	5035, 8260B	T	5.25 g	5 g				
360-37847-D-2 MS	BC-SO-SB308-1012	5035, 8260B	T	5.99 g	5 g				
360-37847-E-2 MSD	BC-SO-SB308-1012	5035, 8260B	T	5.83 g	5 g				

Batch Notes	

Basis	Basis Description
T	Total/NA

Method MAEPH

Massachusetts - Extractable Petroleum Hydrocarbons (GC) by Method MAEPH

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Matrix: Solid Level: Low

GC Column (1): RTX-5 ID: 0.25 (mm) GC Column (2): RTX-5 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	FBP1 #	2BN1 #	OTPH1 #	1COD2 #
BC-SO-SB304-0406	360-37847-1	82	84	86	60
BC-SO-SB308-1012	360-37847-2	79	80	82	69
BC-SO-SB305-1012	360-37847-3	87	88	82	69
BC-SO-SB306-1012	360-37847-4	87	88	75	68
BC-SO-SB305-0203	360-37847-5	95	96	76	57
BC-SO-SB307-0810	360-37847-6	86	87	82	74
BC-SO-SB200A-0406	360-37847-8	78	80	73	69
	MB 360-84105/1-A	71	70	60	68
	LCS 360-84105/2-A	76	77	74	68
	LCSD 360-84105/3-A	75	76	73	65
BC-SO-SB308-1012 MS	360-37847-2 MS	86	87	86	69
BC-SO-SB308-1012 MSD	360-37847-2 MSD	83	84	79	64

	QC LIMITS
FBP = 2-Fluorobiphenyl	40-140
2BN = 2-Bromonaphthalene	40-140
OTPH = o-Terphenyl	40-140
1COD = 1-Chlorooctadecane	40-140

Column to be used to flag recovery values

FORM II MA-EPH

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Matrix: Solid Level: Low Lab File ID: R401913.D

Lab ID: LCS 360-84105/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	3.33	2.39	72	40-140	
Acenaphthylene	3.33	2.34	70	40-140	
Anthracene	3.33	2.87	86	40-140	
Benzo[a]anthracene	3.33	3.22	97	40-140	
Benzo[a]pyrene	3.33	3.17	95	40-140	
Benzo[b]fluoranthene	3.33	3.34	100	40-140	
Benzo[g,h,i]perylene	3.33	3.15	94	40-140	
Benzo[k]fluoranthene	3.33	3.38	101	40-140	
Chrysene	3.33	3.15	94	40-140	
Dibenz(a,h)anthracene	3.33	3.09	93	40-140	
Fluoranthene	3.33	2.91	87	40-140	
Fluorene	3.33	2.58	77	40-140	
Indeno[1,2,3-cd]pyrene	3.33	3.25	97	40-140	
2-Methylnaphthalene	3.33	2.37	71	40-140	
Naphthalene	3.33	2.14	64	40-140	
Phenanthrene	3.33	2.71	81	40-140	
Pyrene	3.33	2.81	84	40-140	
C11-C22 Aromatics (unadjusted)	56.7	50.4	89	40-140	
C19-C36 Aliphatics	26.7	23.6	88	40-140	
C9-C18 Aliphatics	20.0	12.5	62	40-140	
C19	3.33	2.71	81	40-140	
Dodecane	3.33	2.15	64	40-140	
Hexadecane	3.33	2.54	76	40-140	
icosane	3.33	2.72	82	40-140	
n-Decane	3.33	1.75	52	40-140	
n-Docosane	3.33	2.67	80	40-140	
n-Hexacosane	3.33	2.85	85	40-140	
n-Hexatriacontane	3.33	2.96	89	40-140	
n-Nonane	3.33	1.42	43	30-140	
n-Octacosane	3.33	2.78	83	40-140	
n-Octadecane	3.33	2.67	80	40-140	
n-Tetracosane	3.33	2.65	80	40-140	
n-Tetradecane	3.33	2.44	73	40-140	
Triacontane	3.33	2.74	82	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Matrix: Solid Level: Low Lab File ID: R401915.D

Lab ID: LCSD 360-84105/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	3.33	2.35	71	2	25	40-140	
Acenaphthylene	3.33	2.30	69	2	25	40-140	
Anthracene	3.33	2.82	85	2	25	40-140	
Benzo[a]anthracene	3.33	3.17	95	1	25	40-140	
Benzo[a]pyrene	3.33	3.13	94	1	25	40-140	
Benzo[b]fluoranthene	3.33	3.27	98	2	25	40-140	
Benzo[g,h,i]perylene	3.33	3.11	93	1	25	40-140	
Benzo[k]fluoranthene	3.33	3.37	101	0	25	40-140	
Chrysene	3.33	3.09	93	2	25	40-140	
Dibenz(a,h)anthracene	3.33	3.05	92	1	25	40-140	
Fluoranthene	3.33	2.86	86	2	25	40-140	
Fluorene	3.33	2.53	76	2	25	40-140	
Indeno[1,2,3-cd]pyrene	3.33	3.22	97	1	25	40-140	
2-Methylnaphthalene	3.33	2.33	70	1	25	40-140	
Naphthalene	3.33	2.10	63	2	25	40-140	
Phenanthrene	3.33	2.67	80	1	25	40-140	
Pyrene	3.33	2.76	83	2	25	40-140	
C11-C22 Aromatics (unadjusted)	56.7	49.7	88	1	25	40-140	
C19-C36 Aliphatics	26.7	22.9	86	3	25	40-140	
C9-C18 Aliphatics	20.0	11.8	59	6	25	40-140	
C19	3.33	2.61	78	4	25	40-140	
Dodecane	3.33	2.04	61	5	25	40-140	
Hexadecane	3.33	2.43	73	5	25	40-140	
icosane	3.33	2.65	79	3	25	40-140	
n-Decane	3.33	1.64	49	6	25	40-140	
n-Docosane	3.33	2.59	78	3	25	40-140	
n-Hexacosane	3.33	2.78	83	2	25	40-140	
n-Hexatriacontane	3.33	2.85	85	4	25	40-140	
n-Nonane	3.33	1.33	40	7	25	30-140	
n-Octacosane	3.33	2.71	81	2	25	40-140	
n-Octadecane	3.33	2.58	77	4	25	40-140	
n-Tetracosane	3.33	2.59	78	2	25	40-140	
n-Tetradecane	3.33	2.33	70	4	25	40-140	
Triacontane	3.33	2.67	80	2	25	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Matrix: Solid Level: Low Lab File ID: R401995.D

Lab ID: 360-37847-2 MS Client ID: BC-SO-SB308-1012 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	3.79	ND	3.12	82	40-140	
Acenaphthylene	3.79	ND	3.07	81	40-140	
Anthracene	3.79	ND	3.59	95	40-140	
Benzo[a]anthracene	3.79	ND	3.79	100	40-140	
Benzo[a]pyrene	3.79	ND	3.59	95	40-140	
Benzo[b]fluoranthene	3.79	ND	3.85	101	40-140	
Benzo[g,h,i]perylene	3.79	ND	4.00	105	40-140	
Benzo[k]fluoranthene	3.79	ND	3.80	100	40-140	
Chrysene	3.79	ND	3.70	97	40-140	
Dibenz(a,h)anthracene	3.79	ND	3.68	97	40-140	
Fluoranthene	3.79	ND	3.58	94	40-140	
Fluorene	3.79	ND	3.33	88	40-140	
Indeno[1,2,3-cd]pyrene	3.79	ND	4.09	108	40-140	
2-Methylnaphthalene	3.79	ND	3.05	80	40-140	
Naphthalene	3.79	ND	2.75	72	40-140	
Phenanthrene	3.79	ND	3.50	92	40-140	
Pyrene	3.79	ND	3.43	90	40-140	
C11-C22 Aromatics (unadjusted)	64.5	3.9	61.9	96	40-140	
C19-C36 Aliphatics	30.4	ND	23.0	76	40-140	
C9-C18 Aliphatics	22.8	ND	12.4	54	40-140	
C19	3.79	ND	2.79	74	40-140	
Dodecane	3.79	ND	2.12	56	40-140	
Hexadecane	3.79	ND	2.61	69	40-140	
icosane	3.79	ND	2.82	74	40-140	
n-Decane	3.79	ND	1.68	44	40-140	
n-Docosane	3.79	ND	2.67	70	40-140	
n-Hexacosane	3.79	ND	2.87	76	40-140	
n-Hexatriacontane	3.79	ND	3.28	86	40-140	
n-Nonane	3.79	ND	1.31	35	30-140	
n-Octacosane	3.79	ND	2.79	74	40-140	
n-Octadecane	3.79	ND	2.74	72	40-140	
n-Tetracosane	3.79	ND	2.66	70	40-140	
n-Tetradecane	3.79	ND	2.47	65	40-140	
Triacontane	3.79	ND	2.74	72	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Matrix: Solid Level: Low Lab File ID: R401997.D

Lab ID: 360-37847-2 MSD Client ID: BC-SO-SB308-1012 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	3.90	2.77	71	12	50	40-140	
Acenaphthylene	3.90	2.74	70	11	50	40-140	
Anthracene	3.90	3.26	83	10	50	40-140	
Benzo[a]anthracene	3.90	3.40	87	11	50	40-140	
Benzo[a]pyrene	3.90	3.24	83	10	50	40-140	
Benzo[b]fluoranthene	3.90	3.37	86	13	50	40-140	
Benzo[g,h,i]perylene	3.90	3.60	92	11	50	40-140	
Benzo[k]fluoranthene	3.90	3.47	89	9	50	40-140	
Chrysene	3.90	3.31	85	11	50	40-140	
Dibenz(a,h)anthracene	3.90	3.40	87	8	50	40-140	
Fluoranthene	3.90	3.22	83	10	50	40-140	
Fluorene	3.90	2.99	77	11	50	40-140	
Indeno[1,2,3-cd]pyrene	3.90	3.54	91	15	50	40-140	
2-Methylnaphthalene	3.90	2.77	71	10	50	40-140	
Naphthalene	3.90	2.53	65	8	50	40-140	
Phenanthrene	3.90	3.13	80	11	50	40-140	
Pyrene	3.90	3.10	79	10	50	40-140	
C11-C22 Aromatics (unadjusted)	66.4	56.0	84	10	50	40-140	
C19-C36 Aliphatics	31.2	22.6	72	1	50	40-140	
C9-C18 Aliphatics	23.4	12.5	53	1	50	40-140	
C19	3.90	2.72	70	3	50	40-140	
Dodecane	3.90	2.08	53	2	50	40-140	
Hexadecane	3.90	2.58	66	1	50	40-140	
icosane	3.90	2.74	70	3	50	40-140	
n-Decane	3.90	1.66	42	1	50	40-140	
n-Docosane	3.90	2.58	66	4	50	40-140	
n-Hexacosane	3.90	2.77	71	3	50	40-140	
n-Hexatriacontane	3.90	3.16	81	4	50	40-140	
n-Nonane	3.90	1.29	33	2	50	30-140	
n-Octacosane	3.90	2.70	69	3	50	40-140	
n-Octadecane	3.90	2.69	69	2	50	40-140	
n-Tetracosane	3.90	2.57	66	3	50	40-140	
n-Tetradecane	3.90	2.44	63	1	50	40-140	
Triacontane	3.90	2.65	68	3	50	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: MB 360-84105/1-A

Matrix: Solid Date Extracted: 11/30/2011 14:55

Lab File ID:(1) R401925.D Lab File ID:(2) R401925.D

Date Analyzed:(1) 12/09/2011 10:26 Date Analyzed:(2) 12/09/2011 10:26

Instrument ID:(1) INST R Instrument ID:(2) INST R

GC Column:(1) RTX-5 ID: 0.25(mm) GC Column:(2) RTX-5 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 360-84105/2-A	12/09/2011 05:52	12/09/2011 05:52
	LCSD 360-84105/3-A	12/09/2011 06:27	12/09/2011 06:27
BC-SO-SB304-0406	360-37847-1	12/12/2011 15:18	12/12/2011 15:18
BC-SO-SB308-1012	360-37847-2	12/12/2011 15:52	12/12/2011 15:52
BC-SO-SB308-1012 MS	360-37847-2 MS	12/12/2011 16:26	12/12/2011 16:26
BC-SO-SB308-1012 MSD	360-37847-2 MSD	12/12/2011 17:00	12/12/2011 17:00
BC-SO-SB305-1012	360-37847-3	12/12/2011 17:34	12/12/2011 17:34
BC-SO-SB306-1012	360-37847-4	12/12/2011 18:08	12/12/2011 18:08
BC-SO-SB305-0203	360-37847-5	12/12/2011 18:42	12/12/2011 18:42
BC-SO-SB307-0810	360-37847-6	12/12/2011 19:16	12/12/2011 19:16
BC-SO-SB200A-0406	360-37847-8	12/12/2011 19:50	12/12/2011 19:50

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Sample No.: CCVRT 360-84518/1 Date Analyzed: 12/08/2011 13:08

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R401855.D Heated Purge: (Y/N) N

Calibration ID: 16338

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				FBP	2BN	OTPH
				RT #	RT #	RT #
CONTINUING CALIBRATION SURROGATE				5.94	6.81	10.41
UPPER LIMIT				6.04	6.91	10.51
LOWER LIMIT				5.84	6.71	10.31
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-84518/1		12/08/2011 13:08	R401855.D	5.94	6.81	10.41
CCV 360-84518/22		12/09/2011 01:19	R401897.D	5.94	6.80	10.41
LCS 360-84105/2-A		12/09/2011 05:52	R401913.D	5.94	6.80	10.42
LCSD 360-84105/3-A		12/09/2011 06:27	R401915.D	5.94	6.80	10.42
MB 360-84105/1-A		12/09/2011 10:26	R401925.D	5.94	6.80	10.41
CCV 360-84518/36		12/09/2011 11:34	R401929.D	5.94	6.80	10.41

FBP = 2-Fluorobiphenyl
2BN = 2-Bromonaphthalene
OTPH = o-Terphenyl

FBP RT Limit = ± 0.1 minutes of surrogate RT
2BN RT Limit = ± 0.1 minutes of surrogate RT
OTPH RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII MA-EPH

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Sample No.: CCVRT 360-84518/1 Date Analyzed: 12/08/2011 13:08

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R401855.D Heated Purge: (Y/N) N

Calibration ID: 16339

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1COD RT #		
CONTINUING CALIBRATION SURROGATE				13.99		
UPPER LIMIT				14.09		
LOWER LIMIT				13.89		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-84518/1		12/08/2011 13:08	R401855.D	13.99		
CCV 360-84518/22		12/09/2011 01:19	R401897.D	13.99		
LCS 360-84105/2-A		12/09/2011 05:52	R401913.D	13.99		
LCSD 360-84105/3-A		12/09/2011 06:27	R401915.D	13.99		
MB 360-84105/1-A		12/09/2011 10:26	R401925.D	13.99		
CCV 360-84518/36		12/09/2011 11:34	R401929.D	13.98		

1COD = 1-Chlorooctadecane

1COD RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII MA-EPH

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Sample No.: CCVRT 360-84590/1 Date Analyzed: 12/12/2011 09:53

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R401977.D Heated Purge: (Y/N) N

Calibration ID: 16338

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				FBP	2BN	OTPH
				RT #	RT #	RT #
CONTINUING CALIBRATION SURROGATE				5.94	6.80	10.41
UPPER LIMIT				6.04	6.90	10.51
LOWER LIMIT				5.84	6.70	10.31
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-84590/1		12/12/2011 09:53	R401977.D	5.94	6.80	10.41
CCV 360-84590/22		12/12/2011 13:23	R401989.D	5.94	6.81	10.41
360-37847-1	BC-SO-SB304-0406	12/12/2011 15:18	R401991.D	5.94	6.80	10.43
360-37847-2	BC-SO-SB308-1012	12/12/2011 15:52	R401993.D	5.94	6.80	10.42
360-37847-2 MS	BC-SO-SB308-1012 MS	12/12/2011 16:26	R401995.D	5.94	6.80	10.42
360-37847-2 MSD	BC-SO-SB308-1012 MSD	12/12/2011 17:00	R401997.D	5.94	6.80	10.42
360-37847-3	BC-SO-SB305-1012	12/12/2011 17:34	R401999.D	5.94	6.80	10.42
360-37847-4	BC-SO-SB306-1012	12/12/2011 18:08	R402001.D	5.94	6.80	10.42
360-37847-5	BC-SO-SB305-0203	12/12/2011 18:42	R402003.D	5.94	6.80	10.42
360-37847-6	BC-SO-SB307-0810	12/12/2011 19:16	R402005.D	5.94	6.80	10.42
360-37847-8	BC-SO-SB200A-0406	12/12/2011 19:50	R402007.D	5.94	6.80	10.42
CCV 360-84590/46		12/13/2011 02:40	R402031.D	5.94	6.80	10.41

FBP = 2-Fluorobiphenyl
2BN = 2-Bromonaphthalene
OTPH = o-Terphenyl

FBP RT Limit = ± 0.1 minutes of surrogate RT
2BN RT Limit = ± 0.1 minutes of surrogate RT
OTPH RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII MA-EPH

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Sample No.: CCVRT 360-84590/1 Date Analyzed: 12/12/2011 09:53

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R401977.D Heated Purge: (Y/N) N

Calibration ID: 16339

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1COD RT #		
CONTINUING CALIBRATION SURROGATE				13.98		
UPPER LIMIT				14.08		
LOWER LIMIT				13.88		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-84590/1		12/12/2011 09:53	R401977.D	13.98		
CCV 360-84590/22		12/12/2011 13:23	R401989.D	13.98		
360-37847-1	BC-SO-SB304-0406	12/12/2011 15:18	R401991.D	13.98		
360-37847-2	BC-SO-SB308-1012	12/12/2011 15:52	R401993.D	13.98		
360-37847-2 MS	BC-SO-SB308-1012 MS	12/12/2011 16:26	R401995.D	13.99		
360-37847-2 MSD	BC-SO-SB308-1012 MSD	12/12/2011 17:00	R401997.D	13.99		
360-37847-3	BC-SO-SB305-1012	12/12/2011 17:34	R401999.D	13.99		
360-37847-4	BC-SO-SB306-1012	12/12/2011 18:08	R402001.D	13.99		
360-37847-5	BC-SO-SB305-0203	12/12/2011 18:42	R402003.D	13.99		
360-37847-6	BC-SO-SB307-0810	12/12/2011 19:16	R402005.D	13.99		
360-37847-8	BC-SO-SB200A-0406	12/12/2011 19:50	R402007.D	13.99		
CCV 360-84590/46		12/13/2011 02:40	R402031.D	13.98		

1COD = 1-Chlorooctadecane

1COD RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII MA-EPH

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB304-0406 | Lab Sample ID: 360-37847-1

Matrix: Solid | Lab File ID: R401991.D

Analysis Method: MA-EPH | Date Collected: 11/29/2011 13:20

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.37(g) | Date Analyzed: 12/12/2011 15:18

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 17.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.39	0.39
208-96-8	Acenaphthylene	ND		0.39	0.39
120-12-7	Anthracene	ND		0.39	0.39
56-55-3	Benzo[a]anthracene	ND		0.39	0.39
50-32-8	Benzo[a]pyrene	ND		0.39	0.39
205-99-2	Benzo[b]fluoranthene	ND		0.39	0.39
191-24-2	Benzo[g,h,i]perylene	ND		0.39	0.39
207-08-9	Benzo[k]fluoranthene	ND		0.39	0.39
218-01-9	Chrysene	ND		0.39	0.39
53-70-3	Dibenz(a,h)anthracene	ND		0.39	0.39
206-44-0	Fluoranthene	ND		0.39	0.39
86-73-7	Fluorene	ND		0.39	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.39	0.39
91-57-6	2-Methylnaphthalene	ND		0.39	0.39
91-20-3	Naphthalene	ND		0.39	0.39
85-01-8	Phenanthrene	ND		0.39	0.39
129-00-0	Pyrene	ND		0.39	0.39
STL00058	C11-C22 Aromatics (unadjusted)	ND		3.9	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	84		40-140
321-60-8	2-Fluorobiphenyl	82		40-140
84-15-1	o-Terphenyl	86		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401991.D		
Lims ID:	360-37847-A-1-A	Client ID:	BC-SO-SB304-0406
Inject. Date:	12-Dec-2011 15:18:45	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-A-1-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	84590	Lims Sample ID:	26
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:23:53

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.940	5.943	-0.003	5862464	41.2	
$ 2 2-Bromonaphthalene						
1	6.800	6.803	-0.003	3965791	42.1	
$ 3 o-Terphenyl						
1	10.425	10.409	0.016	15435385	86.4	
$ 4 1-Chlorooctadecane						
2	13.978	13.980	-0.002	9192166	59.9	
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		7516075	48.2	
S 43 Total EPH						
2					48.2	
S 42 C11-C22 Aromatics (Adjusted)						
2					48.2	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

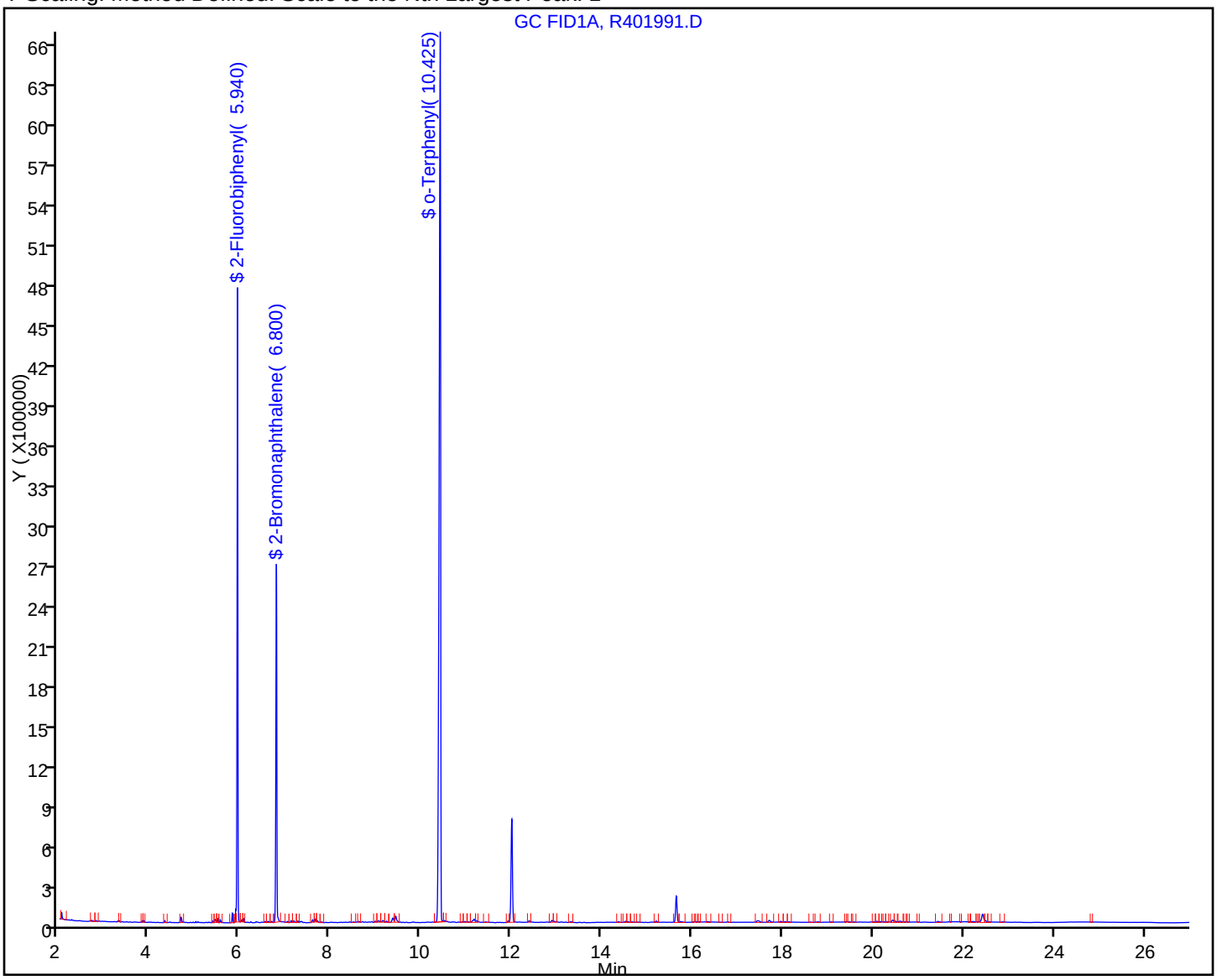
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:23:53 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401991.D

Injection Date:	12-Dec-2011 15:18:45	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB304-0406	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	26
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB304-0406 Lab Sample ID: 360-37847-1

Matrix: Solid Lab File ID: R401991.D

Analysis Method: MA-EPH Date Collected: 11/29/2011 13:20

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.37(g) Date Analyzed: 12/12/2011 15:18

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 17.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.9	3.9
STL00087	C19-C36 Aliphatics	ND		3.9	3.9
STL00306	C9-C18 Aliphatics	ND		3.9	3.9
STL00362	Total EPH	ND		3.9	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	60		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401991.D		
Lims ID:	360-37847-A-1-A	Client ID:	BC-SO-SB304-0406
Inject. Date:	12-Dec-2011 15:18:45	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-A-1-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	84590	Lims Sample ID:	26
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:23:53

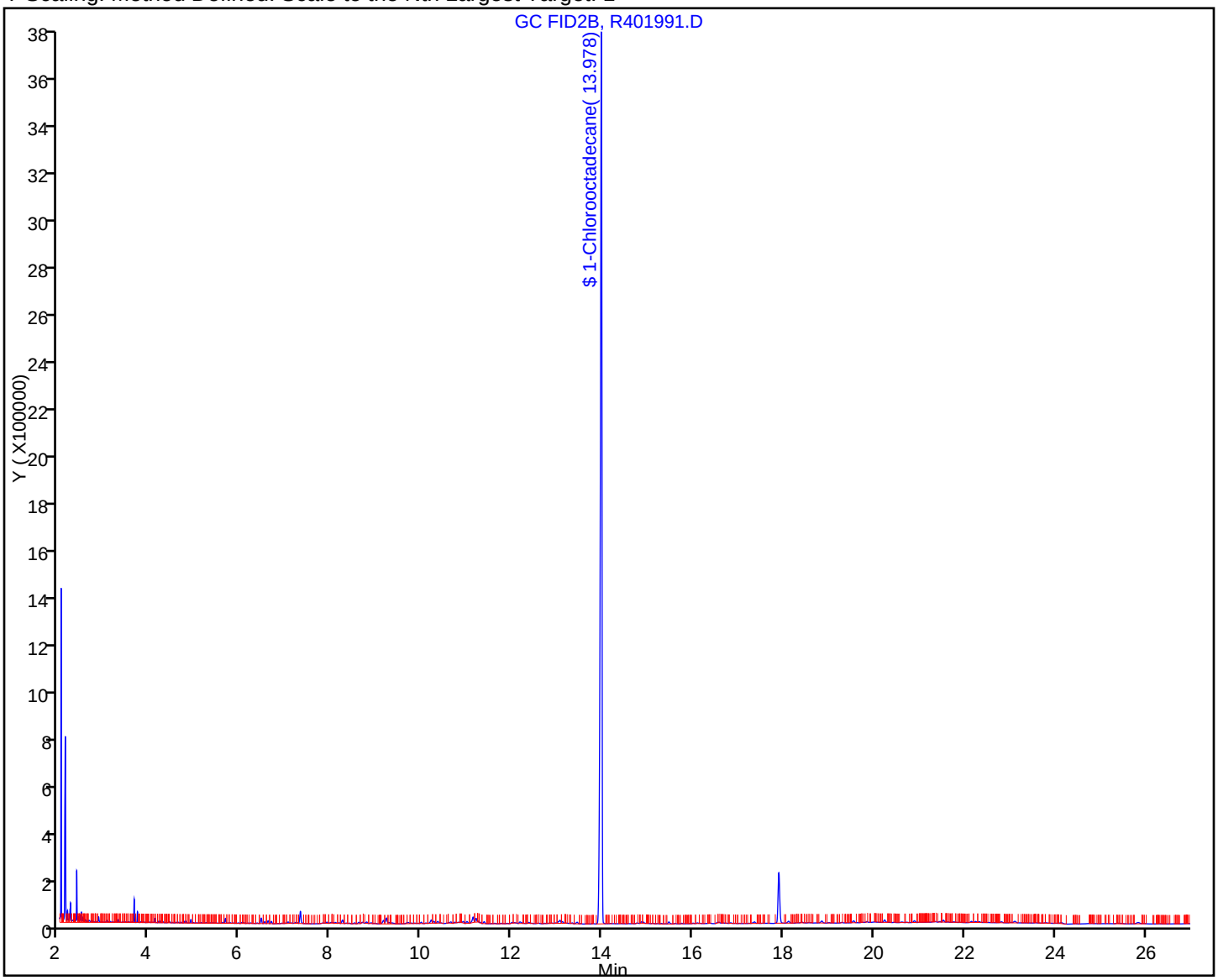
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.940	5.943	-0.003	5862464	41.2	
$ 2 2-Bromonaphthalene						
1	6.800	6.803	-0.003	3965791	42.1	
$ 3 o-Terphenyl						
1	10.425	10.409	0.016	15435385	86.4	
$ 4 1-Chlorooctadecane						
2	13.978	13.980	-0.002	9192166	59.9	
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		7516075	48.2	
S 43 Total EPH						
2					48.2	
S 42 C11-C22 Aromatics (Adjusted)						
2					48.2	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:23:54 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401991.D
Injection Date: 12-Dec-2011 15:18:45 Limit Group: GC MA EPH
Client ID: BC-SO-SB304-0406 Instrument ID: INST R
Lims Batch ID: 84590 Lims Sample ID: 26
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 | Lab Sample ID: 360-37847-2

Matrix: Solid | Lab File ID: R401993.D

Analysis Method: MA-EPH | Date Collected: 11/29/2011 11:20

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.15(g) | Date Analyzed: 12/12/2011 15:52

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 15.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.39	0.39
208-96-8	Acenaphthylene	ND		0.39	0.39
120-12-7	Anthracene	ND		0.39	0.39
56-55-3	Benzo[a]anthracene	ND		0.39	0.39
50-32-8	Benzo[a]pyrene	ND		0.39	0.39
205-99-2	Benzo[b]fluoranthene	ND		0.39	0.39
191-24-2	Benzo[g,h,i]perylene	ND		0.39	0.39
207-08-9	Benzo[k]fluoranthene	ND		0.39	0.39
218-01-9	Chrysene	ND		0.39	0.39
53-70-3	Dibenz(a,h)anthracene	ND		0.39	0.39
206-44-0	Fluoranthene	ND		0.39	0.39
86-73-7	Fluorene	ND		0.39	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.39	0.39
91-57-6	2-Methylnaphthalene	ND		0.39	0.39
91-20-3	Naphthalene	ND		0.39	0.39
85-01-8	Phenanthrene	ND		0.39	0.39
129-00-0	Pyrene	ND		0.39	0.39
STL00058	C11-C22 Aromatics (unadjusted)	3.9		3.9	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	80		40-140
321-60-8	2-Fluorobiphenyl	79		40-140
84-15-1	o-Terphenyl	82		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401993.D		
Lims ID:	360-37847-A-2-A	Client ID:	BC-SO-SB308-1012
Inject. Date:	12-Dec-2011 15:52:28	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-A-2-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	84590	Lims Sample ID:	27
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:23:59

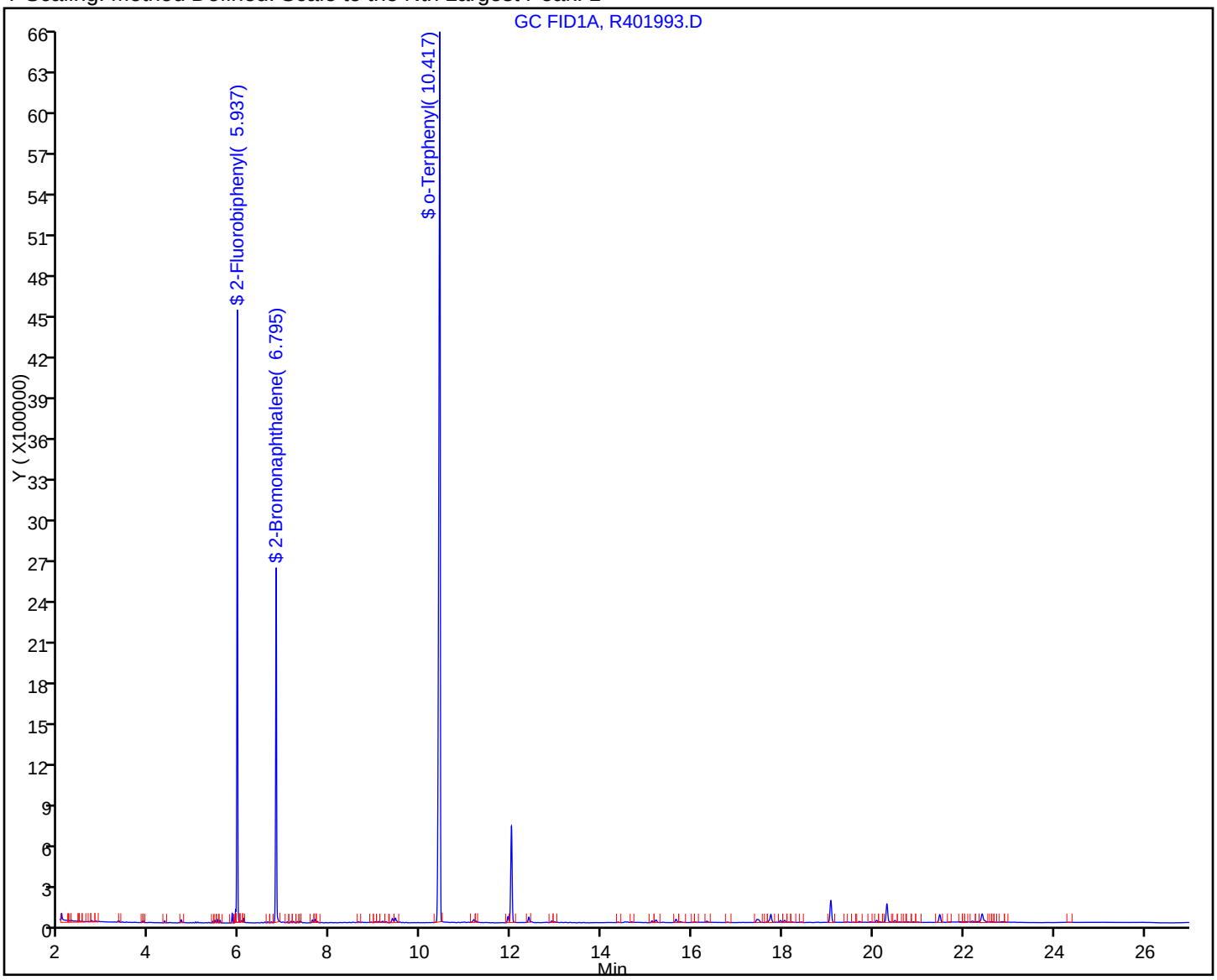
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.943	-0.006	5618329	39.5	
$ 2 2-Bromonaphthalene						
1	6.795	6.803	-0.008	3773136	40.1	
$ 3 o-Terphenyl						
1	10.417	10.409	0.008	14637906	81.9	
$ 4 1-Chlorooctadecane						
2	13.984	13.980	0.004	10570667	68.9	
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		7735204	49.6	
S 43 Total EPH						
2					49.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					49.6	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:23:59 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401993.D
Injection Date: 12-Dec-2011 15:52:28 Limit Group: GC MA EPH
Client ID: BC-SO-SB308-1012 Instrument ID: INST R
Lims Batch ID: 84590 Lims Sample ID: 27
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

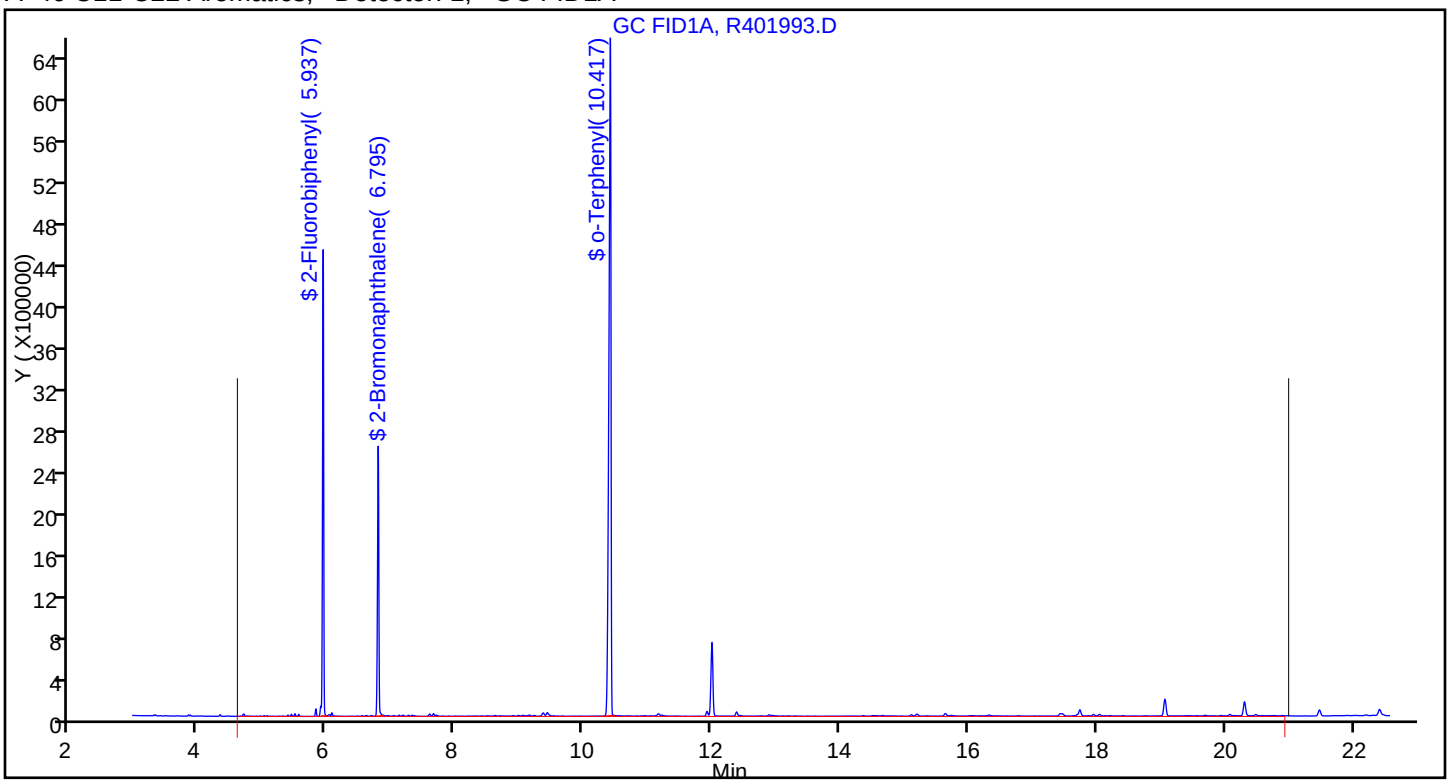


Report Date: 13-Dec-2011 09:24:00 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401993.D

Injection Date:	12-Dec-2011 15:52:28	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB308-1012	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	27
Operator ID:	VM	Injection Vol:	1.00 ul

A 40 C11-C22 Aromatics, Detector: 1, GC FID1A



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 Lab Sample ID: 360-37847-2

Matrix: Solid Lab File ID: R401993.D

Analysis Method: MA-EPH Date Collected: 11/29/2011 11:20

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.15(g) Date Analyzed: 12/12/2011 15:52

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 15.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	3.9		3.9	3.9
STL00087	C19-C36 Aliphatics	ND		3.9	3.9
STL00306	C9-C18 Aliphatics	ND		3.9	3.9
STL00362	Total EPH	3.9		3.9	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	69		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401993.D		
Lims ID:	360-37847-A-2-A	Client ID:	BC-SO-SB308-1012
Inject. Date:	12-Dec-2011 15:52:28	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-A-2-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	84590	Lims Sample ID:	27
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:23:59

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.943	-0.006	5618329	39.5	
$ 2 2-Bromonaphthalene						
1	6.795	6.803	-0.008	3773136	40.1	
$ 3 o-Terphenyl						
1	10.417	10.409	0.008	14637906	81.9	
$ 4 1-Chlorooctadecane						
2	13.984	13.980	0.004	10570667	68.9	
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		7735204	49.6	
S 43 Total EPH						
2					49.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					49.6	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

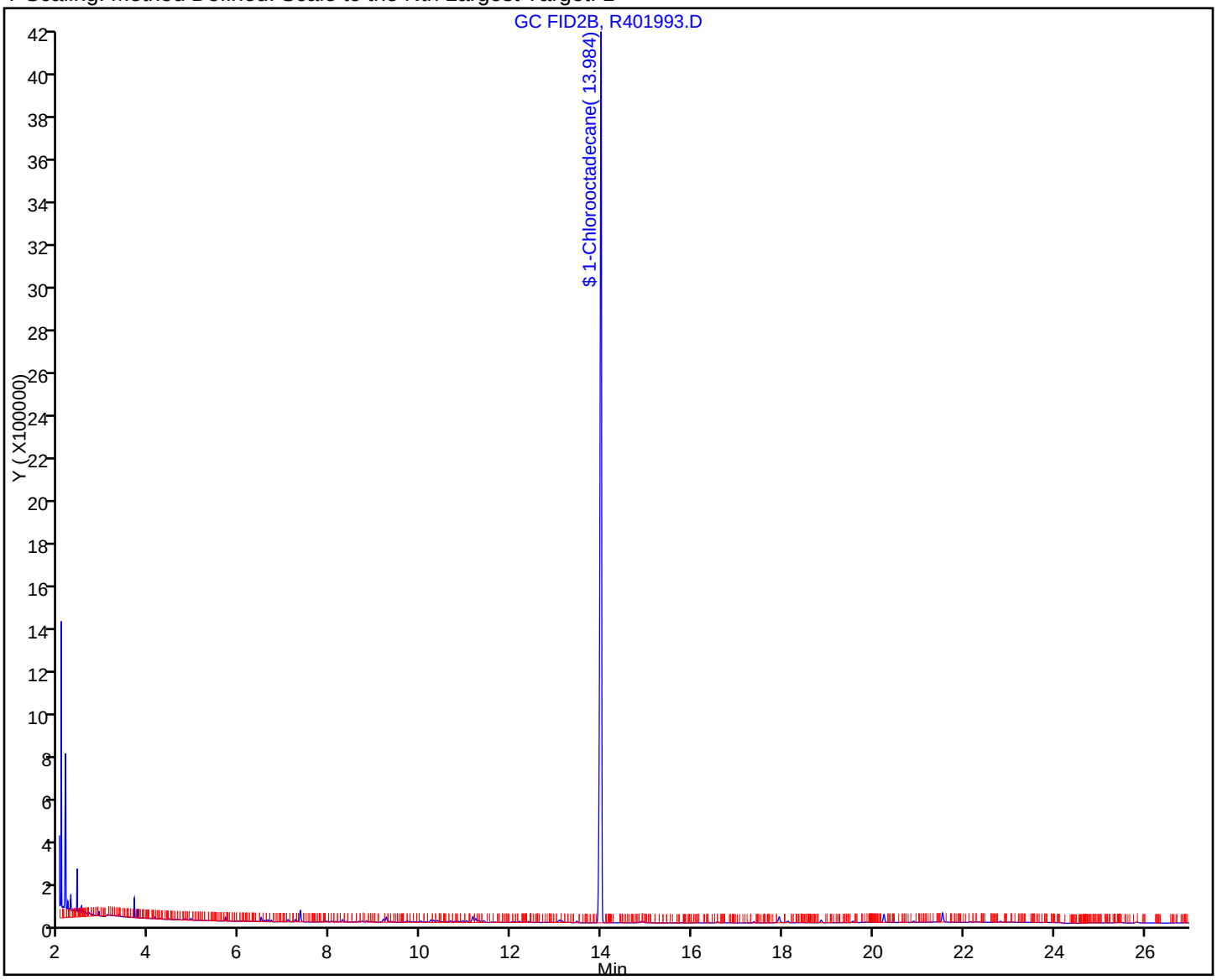
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:24:00 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401993.D

Injection Date:	12-Dec-2011 15:52:28	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB308-1012	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	27
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB305-1012 | Lab Sample ID: 360-37847-3

Matrix: Solid | Lab File ID: R401999.D

Analysis Method: MA-EPH | Date Collected: 11/29/2011 09:00

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.63(g) | Date Analyzed: 12/12/2011 17:34

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 14.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.38	0.38
208-96-8	Acenaphthylene	ND		0.38	0.38
120-12-7	Anthracene	ND		0.38	0.38
56-55-3	Benzo[a]anthracene	ND		0.38	0.38
50-32-8	Benzo[a]pyrene	ND		0.38	0.38
205-99-2	Benzo[b]fluoranthene	ND		0.38	0.38
191-24-2	Benzo[g,h,i]perylene	ND		0.38	0.38
207-08-9	Benzo[k]fluoranthene	ND		0.38	0.38
218-01-9	Chrysene	ND		0.38	0.38
53-70-3	Dibenz(a,h)anthracene	ND		0.38	0.38
206-44-0	Fluoranthene	ND		0.38	0.38
86-73-7	Fluorene	ND		0.38	0.38
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.38	0.38
91-57-6	2-Methylnaphthalene	ND		0.38	0.38
91-20-3	Naphthalene	ND		0.38	0.38
85-01-8	Phenanthrene	ND		0.38	0.38
129-00-0	Pyrene	ND		0.38	0.38
STL00058	C11-C22 Aromatics (unadjusted)	ND		3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	88		40-140
321-60-8	2-Fluorobiphenyl	87		40-140
84-15-1	o-Terphenyl	82		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401999.D		
Lims ID:	360-37847-A-3-A	Client ID:	BC-SO-SB305-1012
Inject. Date:	12-Dec-2011 17:34:40	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-A-3-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	84590	Lims Sample ID:	30
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:25:37

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.943	-0.004	6209081	43.6	
$ 2 2-Bromonaphthalene						
1	6.799	6.803	-0.004	4163074	44.2	
$ 3 o-Terphenyl						
1	10.418	10.409	0.009	14601668	81.7	
$ 4 1-Chlorooctadecane						
2	13.985	13.980	0.005	10649271	69.4	
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		4665185	29.9	
S 43 Total EPH						
2					29.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					29.9	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

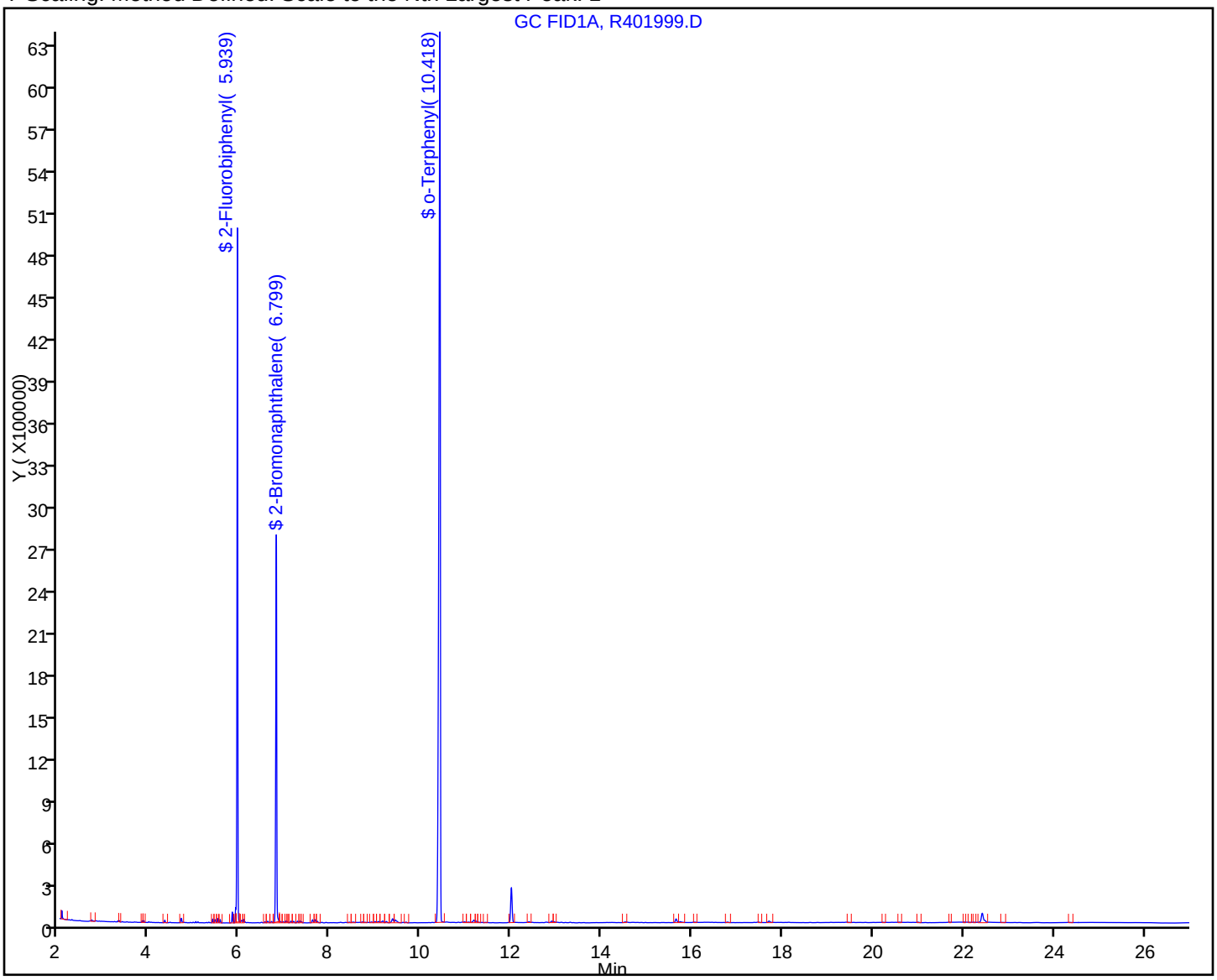
QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:25:37 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401999.D		
Injection Date:	12-Dec-2011 17:34:40	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB305-1012	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	30
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB305-1012 Lab Sample ID: 360-37847-3

Matrix: Solid Lab File ID: R401999.D

Analysis Method: MA-EPH Date Collected: 11/29/2011 09:00

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.63(g) Date Analyzed: 12/12/2011 17:34

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 14.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.8	3.8
STL00087	C19-C36 Aliphatics	ND		3.8	3.8
STL00306	C9-C18 Aliphatics	ND		3.8	3.8
STL00362	Total EPH	ND		3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	69		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401999.D		
Lims ID:	360-37847-A-3-A	Client ID:	BC-SO-SB305-1012
Inject. Date:	12-Dec-2011 17:34:40	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-A-3-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	84590	Lims Sample ID:	30
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:25:37

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.943	-0.004	6209081	43.6	
$ 2 2-Bromonaphthalene						
1	6.799	6.803	-0.004	4163074	44.2	
$ 3 o-Terphenyl						
1	10.418	10.409	0.009	14601668	81.7	
$ 4 1-Chlorooctadecane						
2	13.985	13.980	0.005	10649271	69.4	
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		4665185	29.9	
S 43 Total EPH						
2					29.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					29.9	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

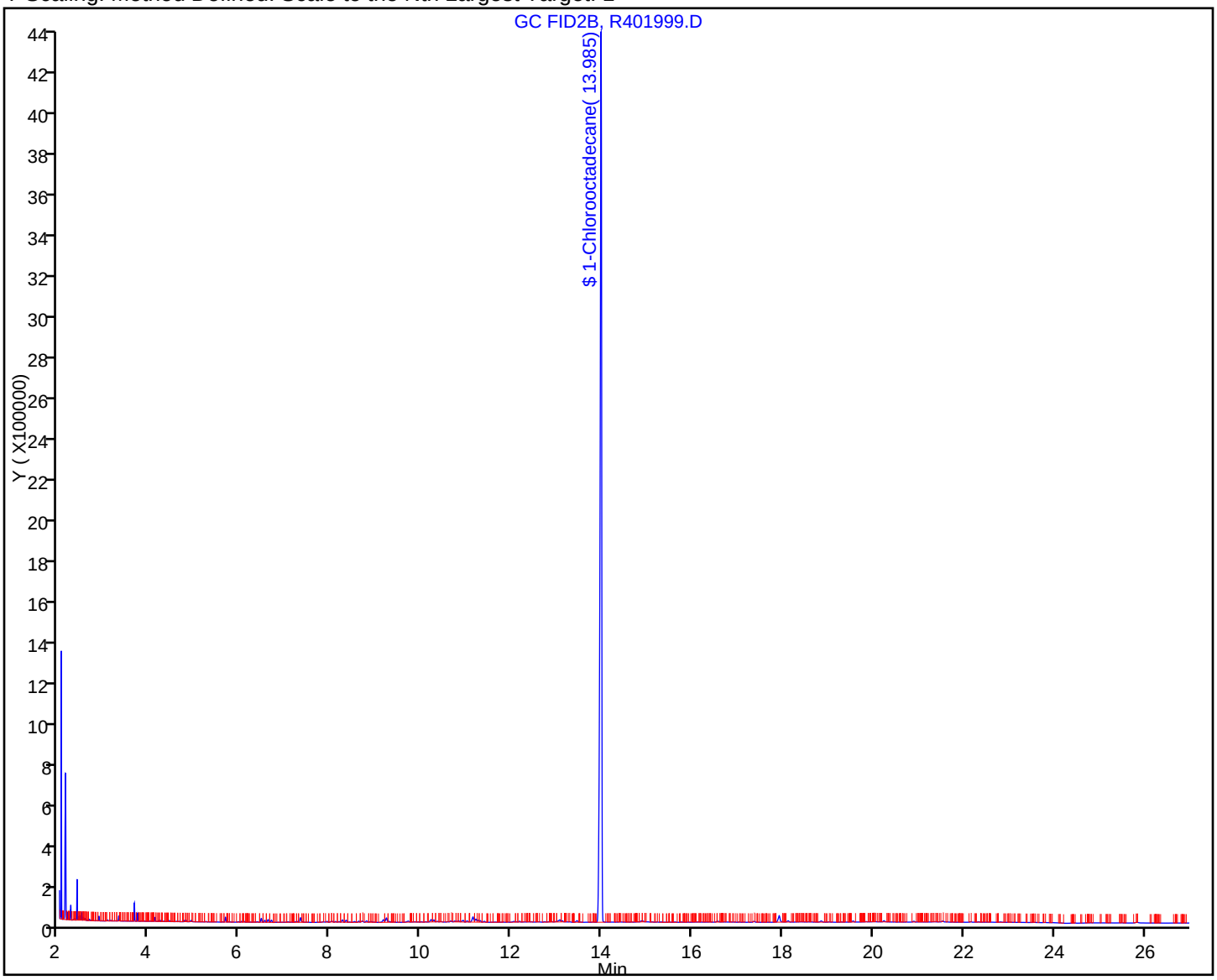
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:25:38 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401999.D

Injection Date:	12-Dec-2011 17:34:40	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB305-1012	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	30
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB306-1012 | Lab Sample ID: 360-37847-4

Matrix: Solid | Lab File ID: R402001.D

Analysis Method: MA-EPH | Date Collected: 11/29/2011 09:55

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.56(g) | Date Analyzed: 12/12/2011 18:08

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 12.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.37	0.37
208-96-8	Acenaphthylene	ND		0.37	0.37
120-12-7	Anthracene	ND		0.37	0.37
56-55-3	Benzo[a]anthracene	ND		0.37	0.37
50-32-8	Benzo[a]pyrene	ND		0.37	0.37
205-99-2	Benzo[b]fluoranthene	ND		0.37	0.37
191-24-2	Benzo[g,h,i]perylene	ND		0.37	0.37
207-08-9	Benzo[k]fluoranthene	ND		0.37	0.37
218-01-9	Chrysene	ND		0.37	0.37
53-70-3	Dibenz(a,h)anthracene	ND		0.37	0.37
206-44-0	Fluoranthene	ND		0.37	0.37
86-73-7	Fluorene	ND		0.37	0.37
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.37	0.37
91-57-6	2-Methylnaphthalene	ND		0.37	0.37
91-20-3	Naphthalene	ND		0.37	0.37
85-01-8	Phenanthrene	ND		0.37	0.37
129-00-0	Pyrene	ND		0.37	0.37
STL00058	C11-C22 Aromatics (unadjusted)	ND		3.7	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	88		40-140
321-60-8	2-Fluorobiphenyl	87		40-140
84-15-1	o-Terphenyl	75		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402001.D		
Lims ID:	360-37847-A-4-A	Client ID:	BC-SO-SB306-1012
Inject. Date:	12-Dec-2011 18:08:26	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-A-4-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	84590	Lims Sample ID:	31
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:25:43

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.943	-0.005	6212645	43.7	
$ 2 2-Bromonaphthalene						
1	6.797	6.803	-0.006	4161578	44.2	
$ 3 o-Terphenyl						
1	10.415	10.409	0.006	13448209	75.2	
$ 4 1-Chlorooctadecane						
2	13.986	13.980	0.006	10422493	68.0	
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		5000908	32.1	
S 43 Total EPH						
2					32.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					32.1	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

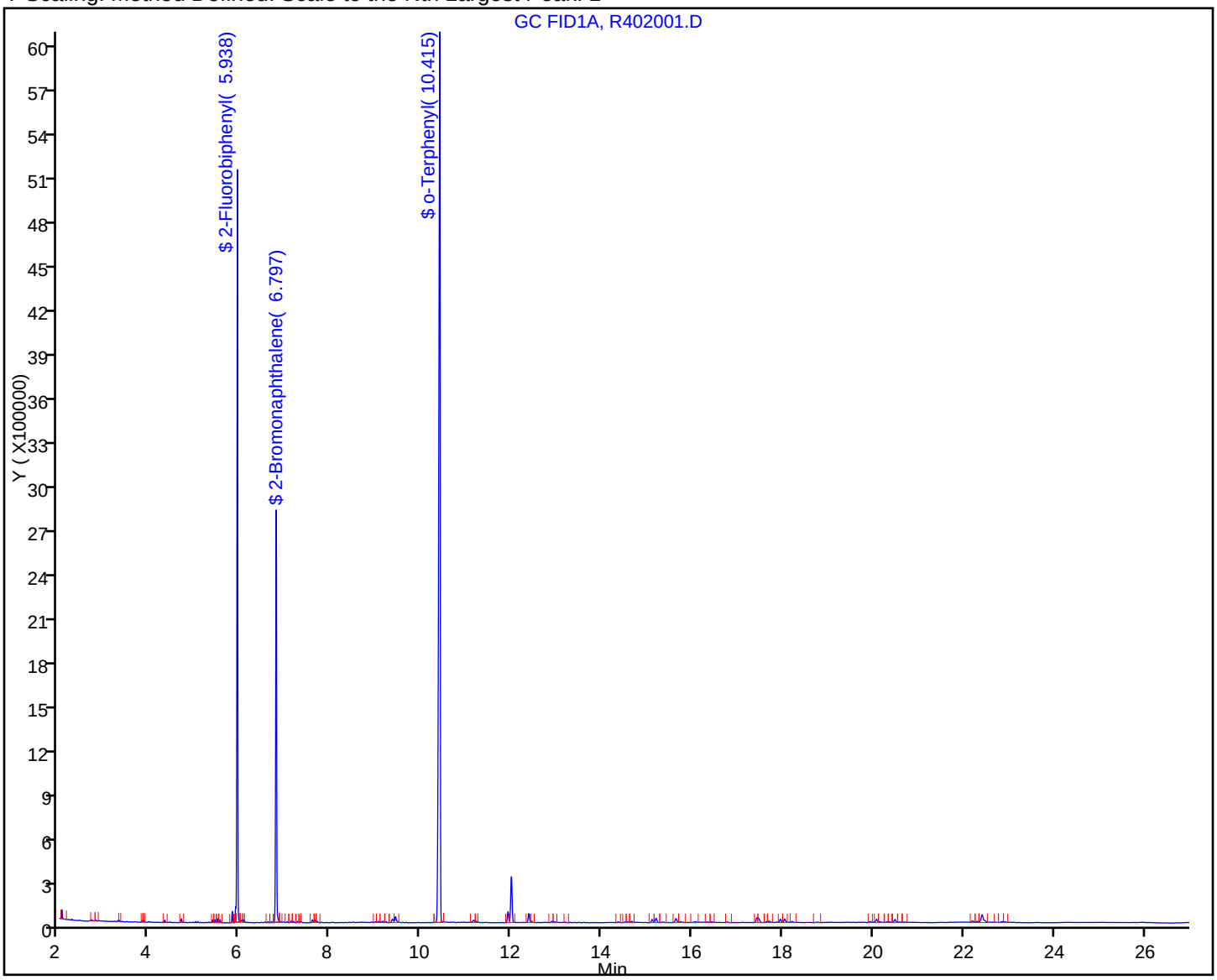
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:25:43 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402001.D

Injection Date:	12-Dec-2011 18:08:26	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB306-1012	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	31
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB306-1012 Lab Sample ID: 360-37847-4

Matrix: Solid Lab File ID: R402001.D

Analysis Method: MA-EPH Date Collected: 11/29/2011 09:55

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.56(g) Date Analyzed: 12/12/2011 18:08

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 12.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.7	3.7
STL00087	C19-C36 Aliphatics	ND		3.7	3.7
STL00306	C9-C18 Aliphatics	ND		3.7	3.7
STL00362	Total EPH	ND		3.7	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	68		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402001.D		
Lims ID:	360-37847-A-4-A	Client ID:	BC-SO-SB306-1012
Inject. Date:	12-Dec-2011 18:08:26	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-A-4-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	84590	Lims Sample ID:	31
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:25:43

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.943	-0.005	6212645	43.7	
$ 2 2-Bromonaphthalene						
1	6.797	6.803	-0.006	4161578	44.2	
$ 3 o-Terphenyl						
1	10.415	10.409	0.006	13448209	75.2	
$ 4 1-Chlorooctadecane						
2	13.986	13.980	0.006	10422493	68.0	
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		5000908	32.1	
S 43 Total EPH						
2					32.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					32.1	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

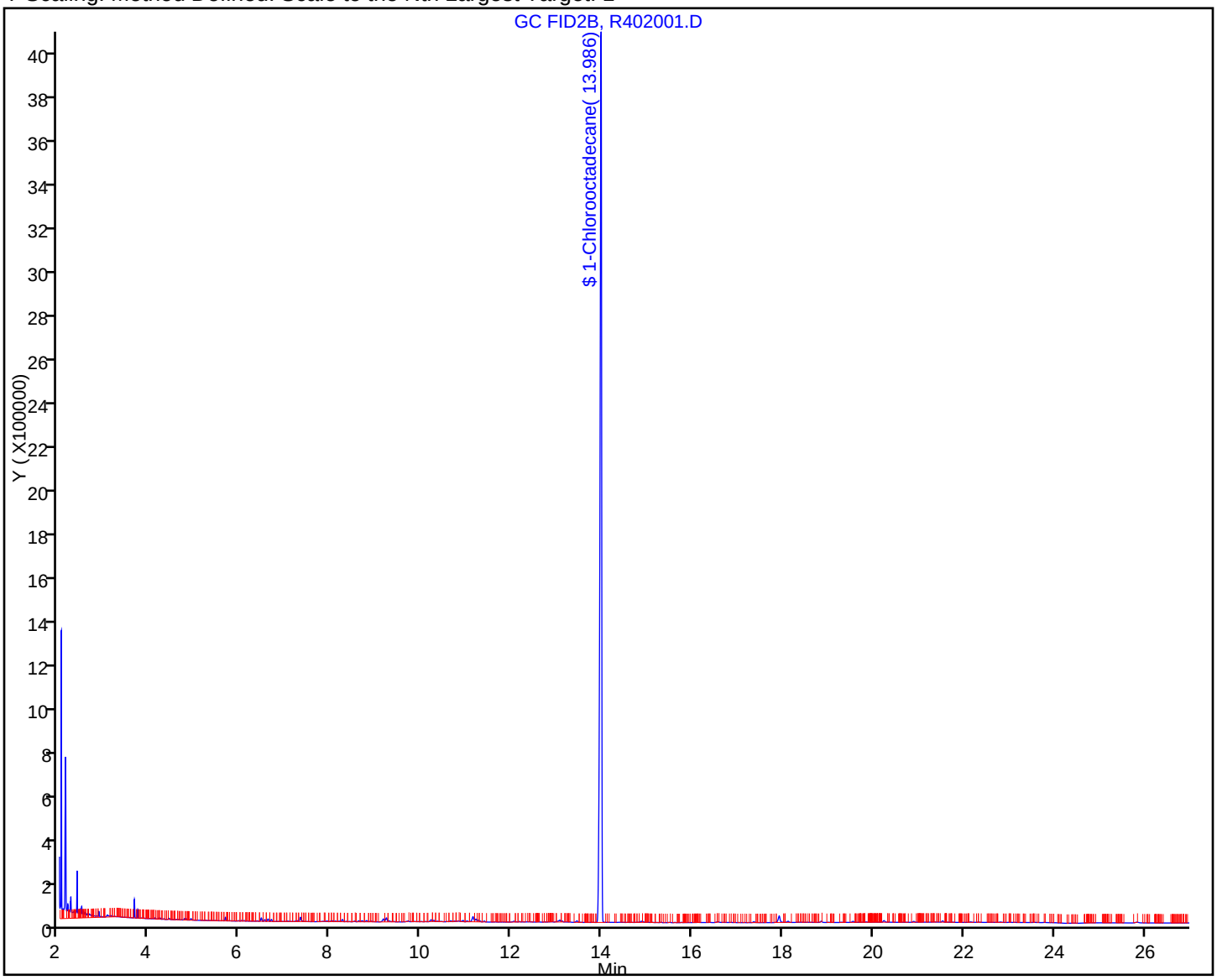
QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:25:43 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402001.D		
Injection Date:	12-Dec-2011 18:08:26	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB306-1012	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	31
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB305-0203 | Lab Sample ID: 360-37847-5

Matrix: Solid | Lab File ID: R402003.D

Analysis Method: MA-EPH | Date Collected: 11/29/2011 08:45

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.78(g) | Date Analyzed: 12/12/2011 18:42

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 15.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.38	0.38
208-96-8	Acenaphthylene	ND		0.38	0.38
120-12-7	Anthracene	ND		0.38	0.38
56-55-3	Benzo[a]anthracene	ND		0.38	0.38
50-32-8	Benzo[a]pyrene	ND		0.38	0.38
205-99-2	Benzo[b]fluoranthene	ND		0.38	0.38
191-24-2	Benzo[g,h,i]perylene	ND		0.38	0.38
207-08-9	Benzo[k]fluoranthene	ND		0.38	0.38
218-01-9	Chrysene	ND		0.38	0.38
53-70-3	Dibenz(a,h)anthracene	ND		0.38	0.38
206-44-0	Fluoranthene	ND		0.38	0.38
86-73-7	Fluorene	ND		0.38	0.38
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.38	0.38
91-57-6	2-Methylnaphthalene	ND		0.38	0.38
91-20-3	Naphthalene	ND		0.38	0.38
85-01-8	Phenanthrene	ND		0.38	0.38
129-00-0	Pyrene	ND		0.38	0.38
STL00058	C11-C22 Aromatics (unadjusted)	5.8		3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	96		40-140
321-60-8	2-Fluorobiphenyl	95		40-140
84-15-1	o-Terphenyl	76		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402003.D		
Lims ID:	360-37847-A-5-A	Client ID:	BC-SO-SB305-0203
Inject. Date:	12-Dec-2011 18:42:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-A-5-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	84590	Lims Sample ID:	32
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:25:49

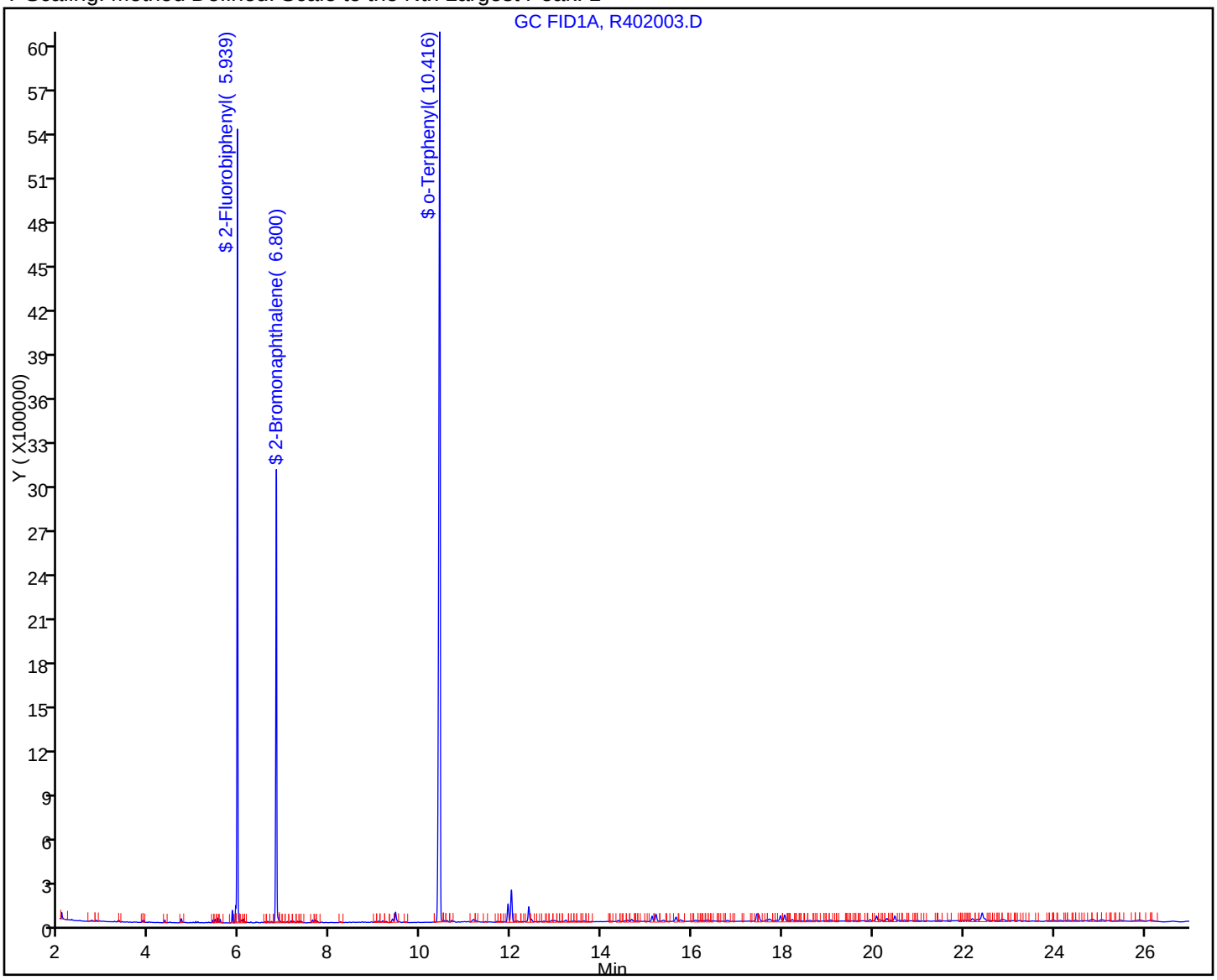
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.943	-0.004	6733286	47.3	
$ 2 2-Bromonaphthalene						
1	6.800	6.803	-0.003	4537202	48.2	
$ 3 o-Terphenyl						
1	10.416	10.409	0.007	13583939	76.0	
$ 4 1-Chlorooctadecane						
2	13.985	13.980	0.005	8808779	57.4	
A 40 C11-C22 Aromatics						
1	12.767	4.598	- 20.998	11672032	74.9	
A 41 C19-C36 Aliphatics						
2	18.557	11.323	-25.773	33648156	169.8	
S 43 Total EPH						
2					244.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					74.9	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:25:49 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402003.D
Injection Date: 12-Dec-2011 18:42:30 Limit Group: GC MA EPH
Client ID: BC-SO-SB305-0203 Instrument ID: INST R
Lims Batch ID: 84590 Lims Sample ID: 32
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

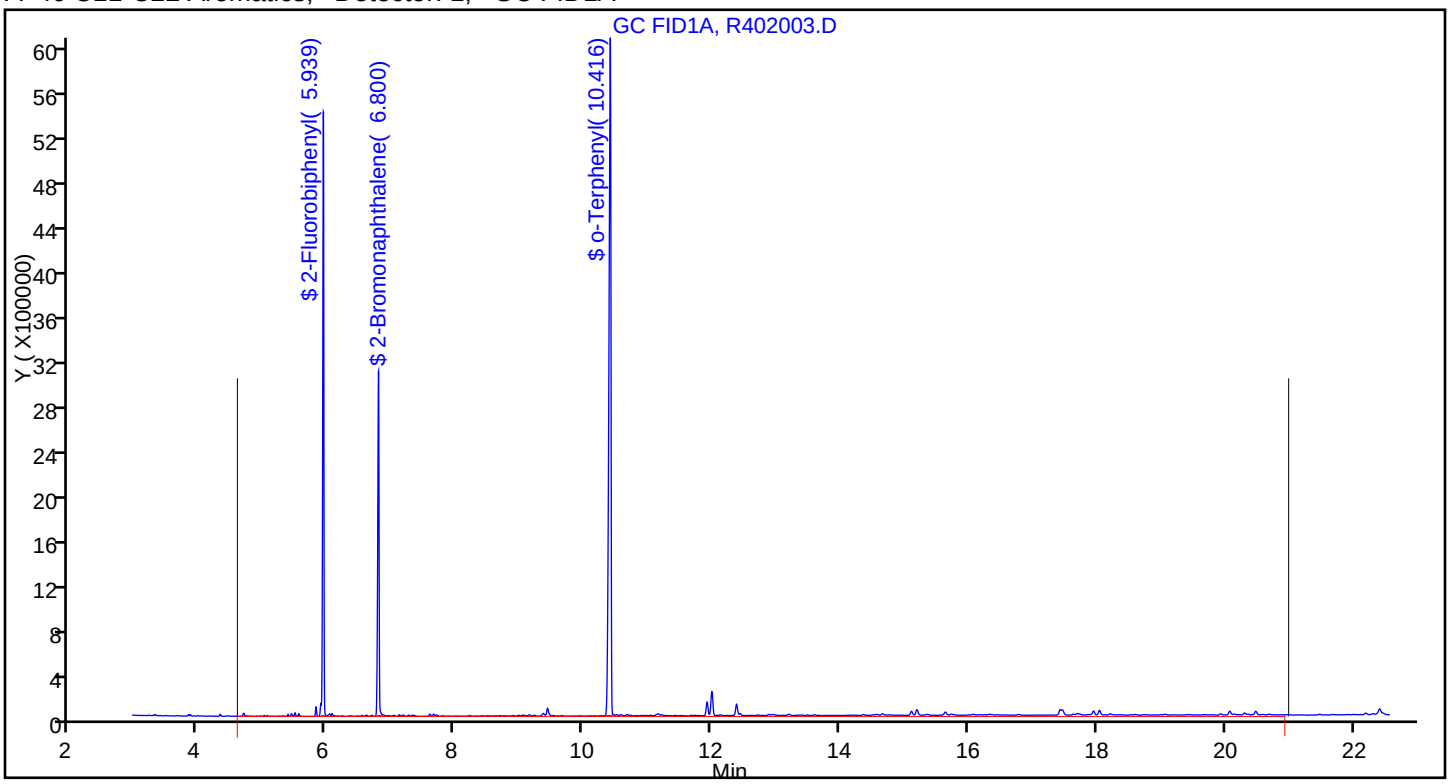


Report Date: 13-Dec-2011 09:25:49 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402003.D

Injection Date:	12-Dec-2011 18:42:30	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB305-0203	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	32
Operator ID:	VM	Injection Vol:	1.00 ul

A 40 C11-C22 Aromatics, Detector: 1, GC FID1A



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB305-0203 Lab Sample ID: 360-37847-5

Matrix: Solid Lab File ID: R402003.D

Analysis Method: MA-EPH Date Collected: 11/29/2011 08:45

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.78(g) Date Analyzed: 12/12/2011 18:42

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 15.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	5.8		3.8	3.8
STL00087	C19-C36 Aliphatics	13		3.8	3.8
STL00306	C9-C18 Aliphatics	ND		3.8	3.8
STL00362	Total EPH	19		3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	57		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402003.D		
Lims ID:	360-37847-A-5-A	Client ID:	BC-SO-SB305-0203
Inject. Date:	12-Dec-2011 18:42:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-A-5-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	84590	Lims Sample ID:	32
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:25:49

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.943	-0.004	6733286	47.3	
$ 2 2-Bromonaphthalene						
1	6.800	6.803	-0.003	4537202	48.2	
$ 3 o-Terphenyl						
1	10.416	10.409	0.007	13583939	76.0	
$ 4 1-Chlorooctadecane						
2	13.985	13.980	0.005	8808779	57.4	
A 40 C11-C22 Aromatics						
1	12.767	4.598	- 20.998	11672032	74.9	
A 41 C19-C36 Aliphatics						
2	18.557	11.323	-25.773	33648156	169.8	
S 43 Total EPH						
2					244.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					74.9	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

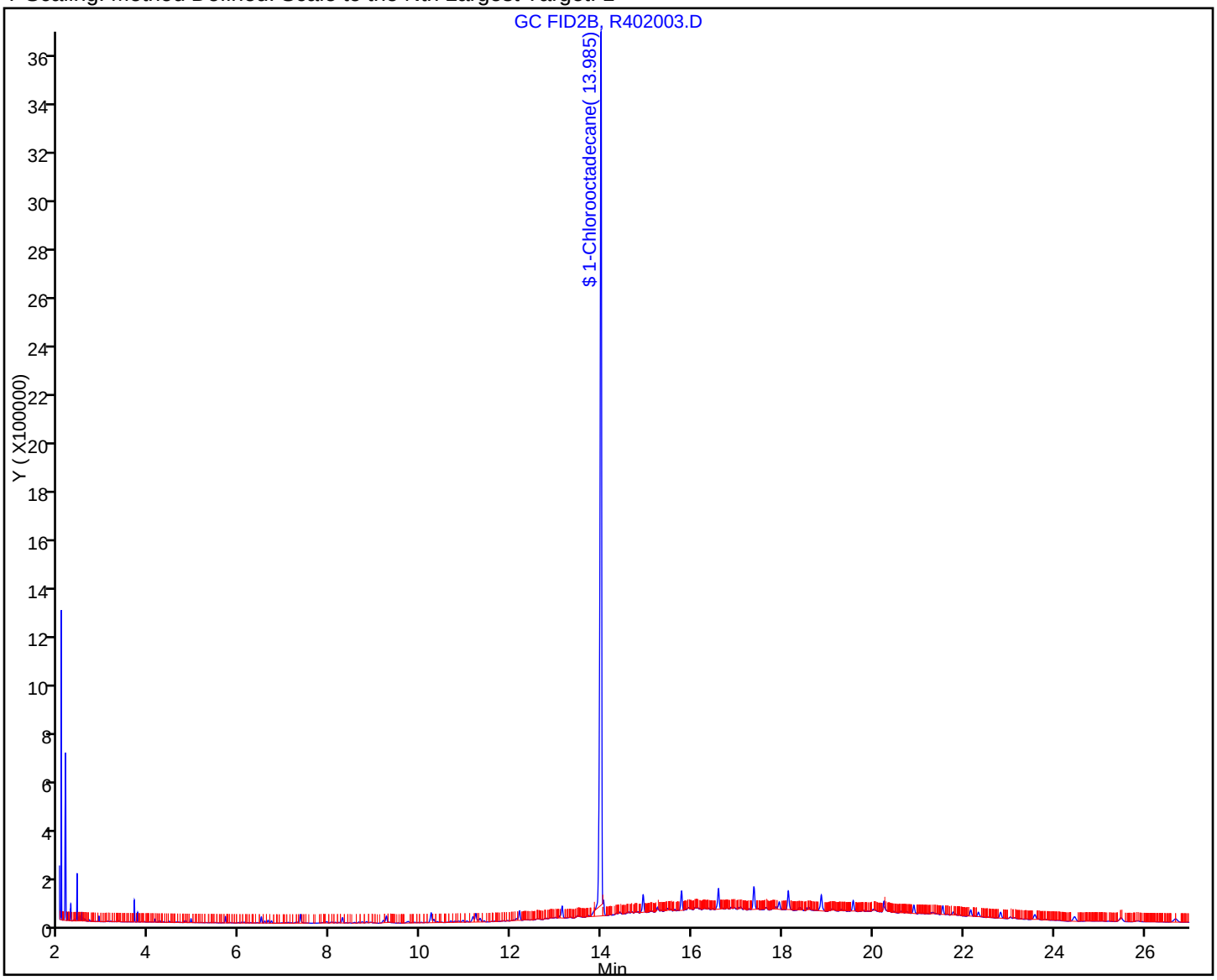
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:25:49 Chrom Revision: 2.0 29-Sep-2011 09:38:02

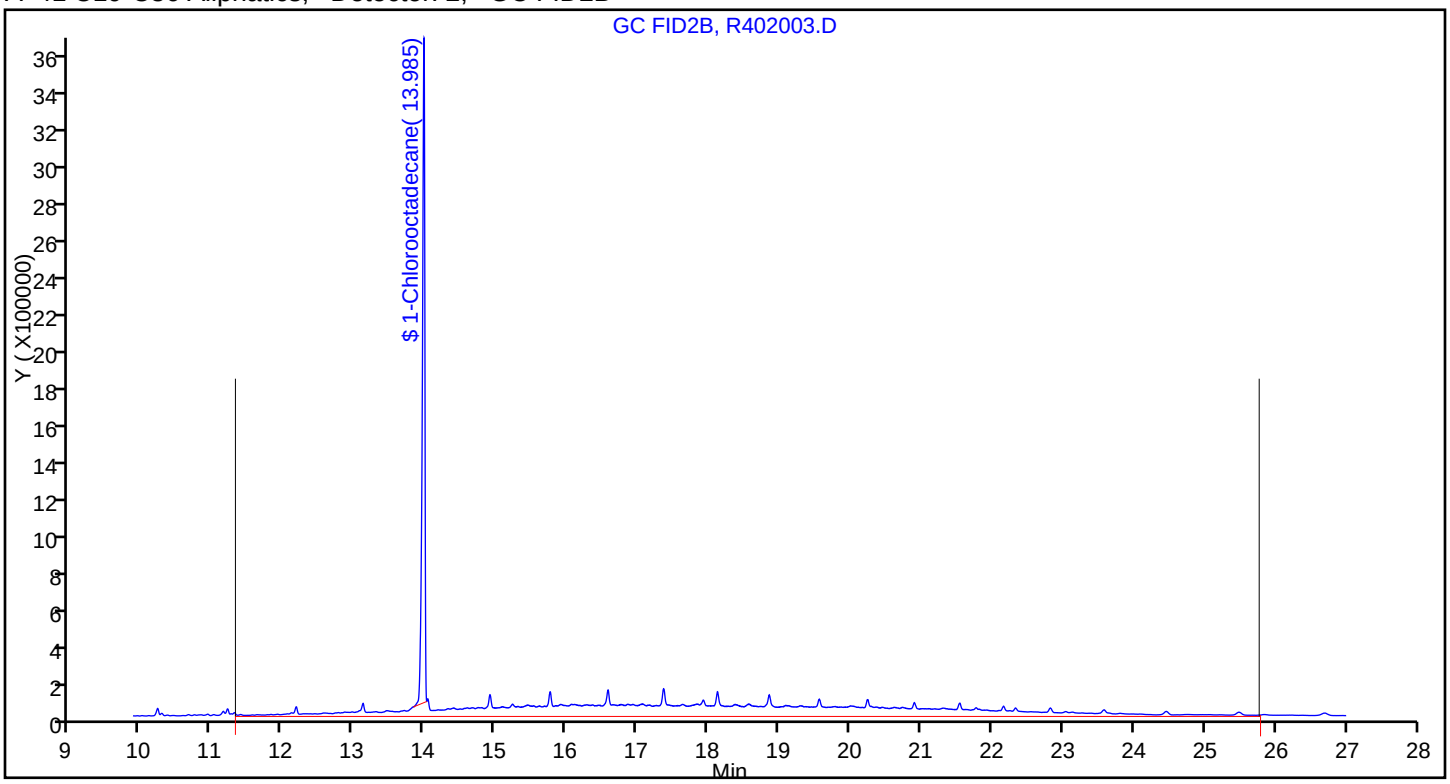
Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402003.D

Injection Date:	12-Dec-2011 18:42:30	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB305-0203	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	32
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 13-Dec-2011 09:25:49 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402003.D
Injection Date: 12-Dec-2011 18:42:30 Limit Group: GC MA EPH
Client ID: BC-SO-SB305-0203 Instrument ID: INST R
Lims Batch ID: 84590 Lims Sample ID: 32
Operator ID: VM Injection Vol: 1.00 ul
A 41 C19-C36 Aliphatics, Detector: 2, GC FID2B



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB307-0810 | Lab Sample ID: 360-37847-6

Matrix: Solid | Lab File ID: R402005.D

Analysis Method: MA-EPH | Date Collected: 11/29/2011 14:40

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.43(g) | Date Analyzed: 12/12/2011 19:16

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 16.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.39	0.39
208-96-8	Acenaphthylene	ND		0.39	0.39
120-12-7	Anthracene	ND		0.39	0.39
56-55-3	Benzo[a]anthracene	ND		0.39	0.39
50-32-8	Benzo[a]pyrene	ND		0.39	0.39
205-99-2	Benzo[b]fluoranthene	ND		0.39	0.39
191-24-2	Benzo[g,h,i]perylene	ND		0.39	0.39
207-08-9	Benzo[k]fluoranthene	ND		0.39	0.39
218-01-9	Chrysene	ND		0.39	0.39
53-70-3	Dibenz(a,h)anthracene	ND		0.39	0.39
206-44-0	Fluoranthene	ND		0.39	0.39
86-73-7	Fluorene	ND		0.39	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.39	0.39
91-57-6	2-Methylnaphthalene	ND		0.39	0.39
91-20-3	Naphthalene	ND		0.39	0.39
85-01-8	Phenanthrene	ND		0.39	0.39
129-00-0	Pyrene	ND		0.39	0.39
STL00058	C11-C22 Aromatics (unadjusted)	ND		3.9	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	87		40-140
321-60-8	2-Fluorobiphenyl	86		40-140
84-15-1	o-Terphenyl	82		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402005.D		
Lims ID:	360-37847-A-6-A	Client ID:	BC-SO-SB307-0810
Inject. Date:	12-Dec-2011 19:16:22	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-A-6-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	84590	Lims Sample ID:	33
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:25:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.943	-0.005	6095323	42.8	
$ 2 2-Bromonaphthalene						
1	6.798	6.803	-0.005	4102665	43.6	
$ 3 o-Terphenyl						
1	10.417	10.409	0.008	14593580	81.7	
$ 4 1-Chlorooctadecane						
2	13.987	13.980	0.007	11306051	73.7	
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		4924629	31.6	
S 43 Total EPH						
2					31.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					31.6	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

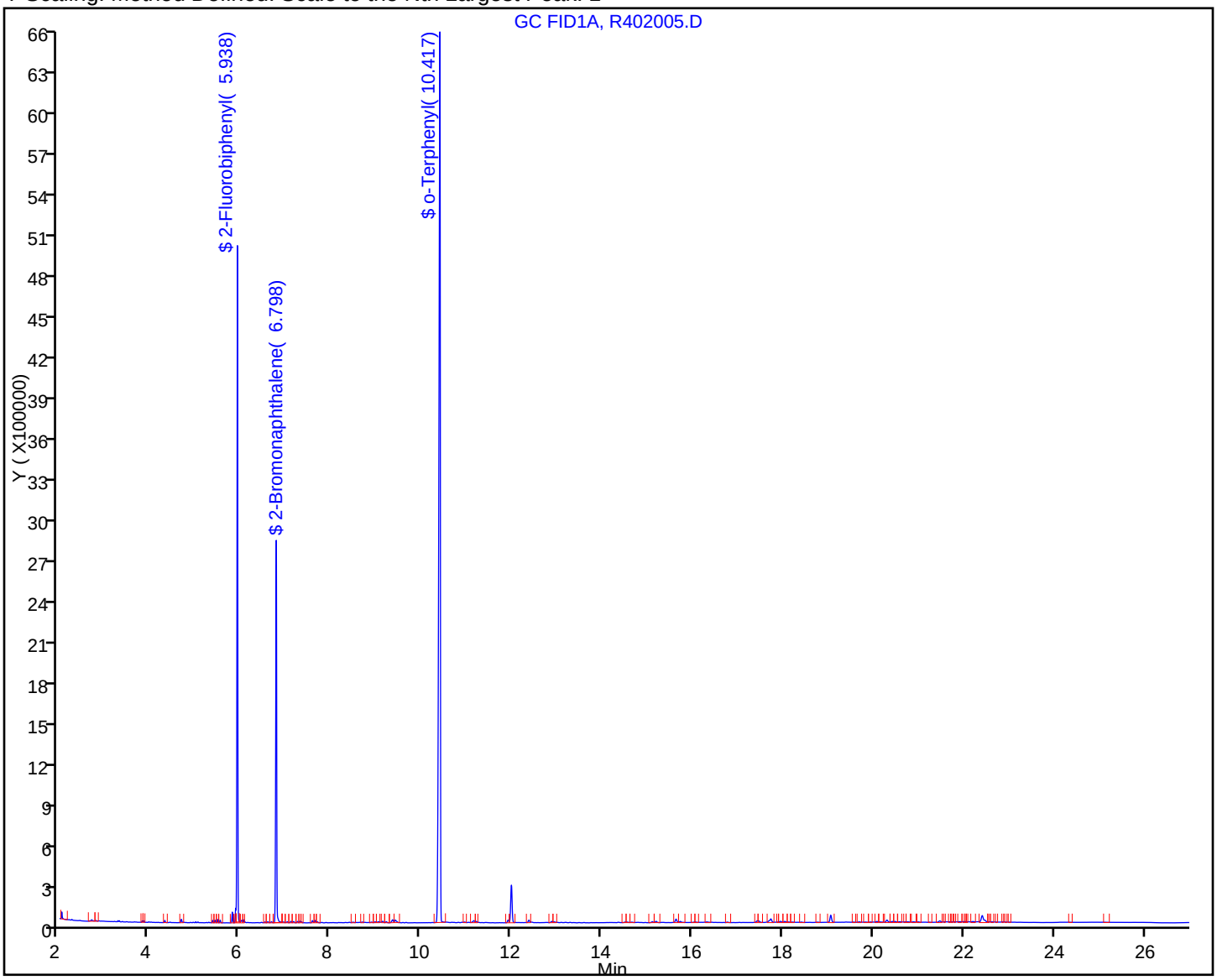
QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:25:55 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402005.D		
Injection Date:	12-Dec-2011 19:16:22	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB307-0810	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	33
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB307-0810 Lab Sample ID: 360-37847-6

Matrix: Solid Lab File ID: R402005.D

Analysis Method: MA-EPH Date Collected: 11/29/2011 14:40

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.43(g) Date Analyzed: 12/12/2011 19:16

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 16.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.9	3.9
STL00087	C19-C36 Aliphatics	ND		3.9	3.9
STL00306	C9-C18 Aliphatics	ND		3.9	3.9
STL00362	Total EPH	ND		3.9	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	74		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402005.D		
Lims ID:	360-37847-A-6-A	Client ID:	BC-SO-SB307-0810
Inject. Date:	12-Dec-2011 19:16:22	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-A-6-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	84590	Lims Sample ID:	33
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:25:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.943	-0.005	6095323	42.8	
$ 2 2-Bromonaphthalene						
1	6.798	6.803	-0.005	4102665	43.6	
$ 3 o-Terphenyl						
1	10.417	10.409	0.008	14593580	81.7	
$ 4 1-Chlorooctadecane						
2	13.987	13.980	0.007	11306051	73.7	
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		4924629	31.6	
S 43 Total EPH						
2					31.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					31.6	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

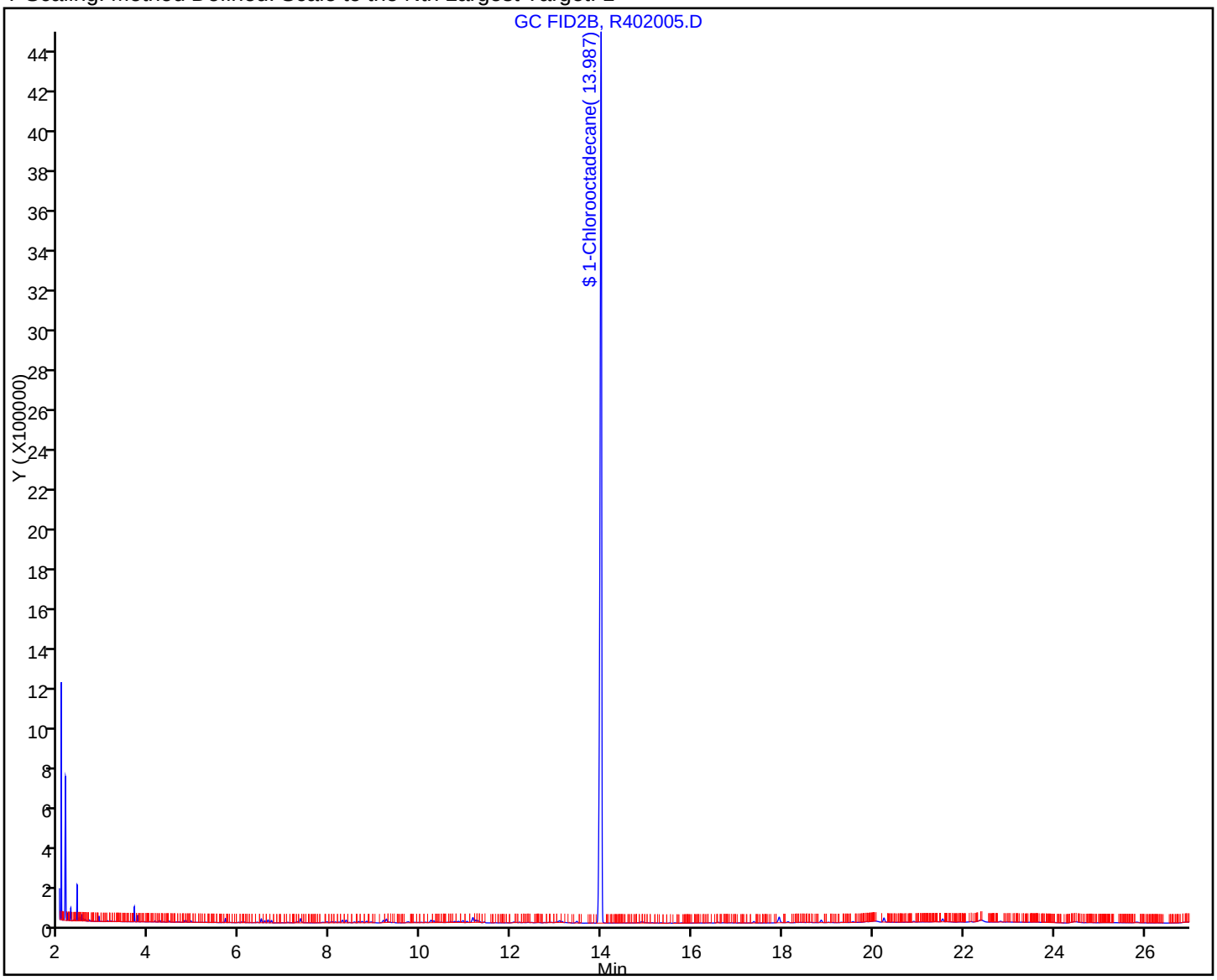
QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:25:56 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402005.D		
Injection Date:	12-Dec-2011 19:16:22	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB307-0810	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	33
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB200A-0406 | Lab Sample ID: 360-37847-8

Matrix: Solid | Lab File ID: R402007.D

Analysis Method: MA-EPH | Date Collected: 11/29/2011 15:35

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.13(g) | Date Analyzed: 12/12/2011 19:50

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 7.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.36	0.36
208-96-8	Acenaphthylene	ND		0.36	0.36
120-12-7	Anthracene	ND		0.36	0.36
56-55-3	Benzo[a]anthracene	ND		0.36	0.36
50-32-8	Benzo[a]pyrene	ND		0.36	0.36
205-99-2	Benzo[b]fluoranthene	ND		0.36	0.36
191-24-2	Benzo[g,h,i]perylene	ND		0.36	0.36
207-08-9	Benzo[k]fluoranthene	ND		0.36	0.36
218-01-9	Chrysene	ND		0.36	0.36
53-70-3	Dibenz(a,h)anthracene	ND		0.36	0.36
206-44-0	Fluoranthene	ND		0.36	0.36
86-73-7	Fluorene	ND		0.36	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.36	0.36
91-57-6	2-Methylnaphthalene	ND		0.36	0.36
91-20-3	Naphthalene	ND		0.36	0.36
85-01-8	Phenanthrene	ND		0.36	0.36
129-00-0	Pyrene	ND		0.36	0.36
STL00058	C11-C22 Aromatics (unadjusted)	ND		3.6	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	80		40-140
321-60-8	2-Fluorobiphenyl	78		40-140
84-15-1	o-Terphenyl	73		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402007.D		
Lims ID:	360-37847-A-8-A	Client ID:	BC-SO-SB200A-0406
Inject. Date:	12-Dec-2011 19:50:46	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-A-8-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	84590	Lims Sample ID:	34
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:26:00

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.943	-0.004	5574141	39.2	
$ 2 2-Bromonaphthalene						
1	6.799	6.803	-0.004	3766082	40.0	
$ 3 o-Terphenyl						
1	10.416	10.409	0.007	13048613	73.0	
$ 4 1-Chlorooctadecane						
2	13.987	13.980	0.007	10512308	68.6	
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		5151539	33.0	
S 43 Total EPH						
2					33.0	
S 42 C11-C22 Aromatics (Adjusted)						
2					33.0	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

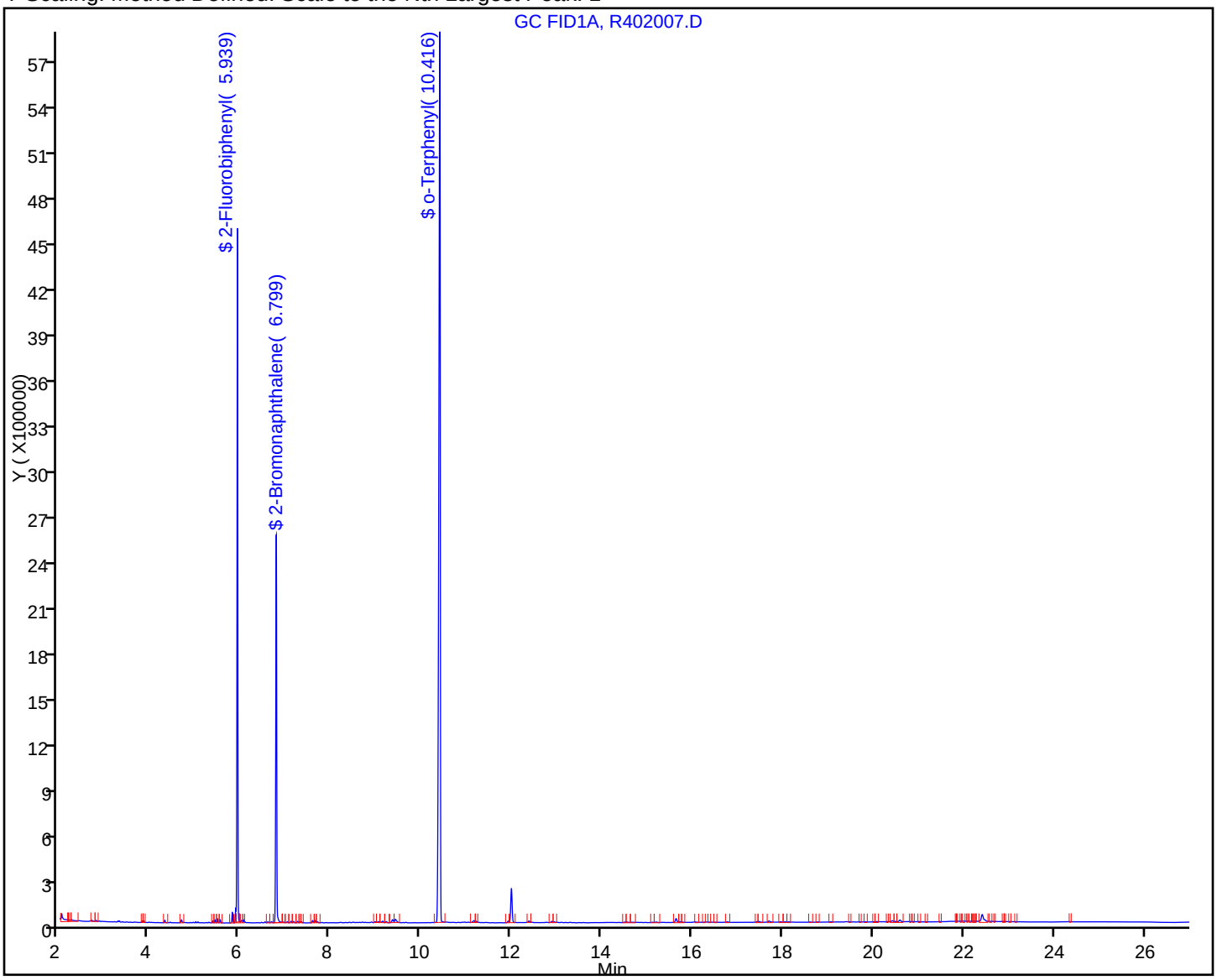
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:26:00 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402007.D

Injection Date:	12-Dec-2011 19:50:46	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB200A-0406	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	34
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB200A-0406 Lab Sample ID: 360-37847-8

Matrix: Solid Lab File ID: R402007.D

Analysis Method: MA-EPH Date Collected: 11/29/2011 15:35

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.13(g) Date Analyzed: 12/12/2011 19:50

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 7.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.6	3.6
STL00087	C19-C36 Aliphatics	ND		3.6	3.6
STL00306	C9-C18 Aliphatics	ND		3.6	3.6
STL00362	Total EPH	ND		3.6	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	69		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402007.D		
Lims ID:	360-37847-A-8-A	Client ID:	BC-SO-SB200A-0406
Inject. Date:	12-Dec-2011 19:50:46	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37847-A-8-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	84590	Lims Sample ID:	34
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:26:00

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.943	-0.004	5574141	39.2	
$ 2 2-Bromonaphthalene						
1	6.799	6.803	-0.004	3766082	40.0	
$ 3 o-Terphenyl						
1	10.416	10.409	0.007	13048613	73.0	
$ 4 1-Chlorooctadecane						
2	13.987	13.980	0.007	10512308	68.6	
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		5151539	33.0	
S 43 Total EPH						
2					33.0	
S 42 C11-C22 Aromatics (Adjusted)						
2					33.0	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

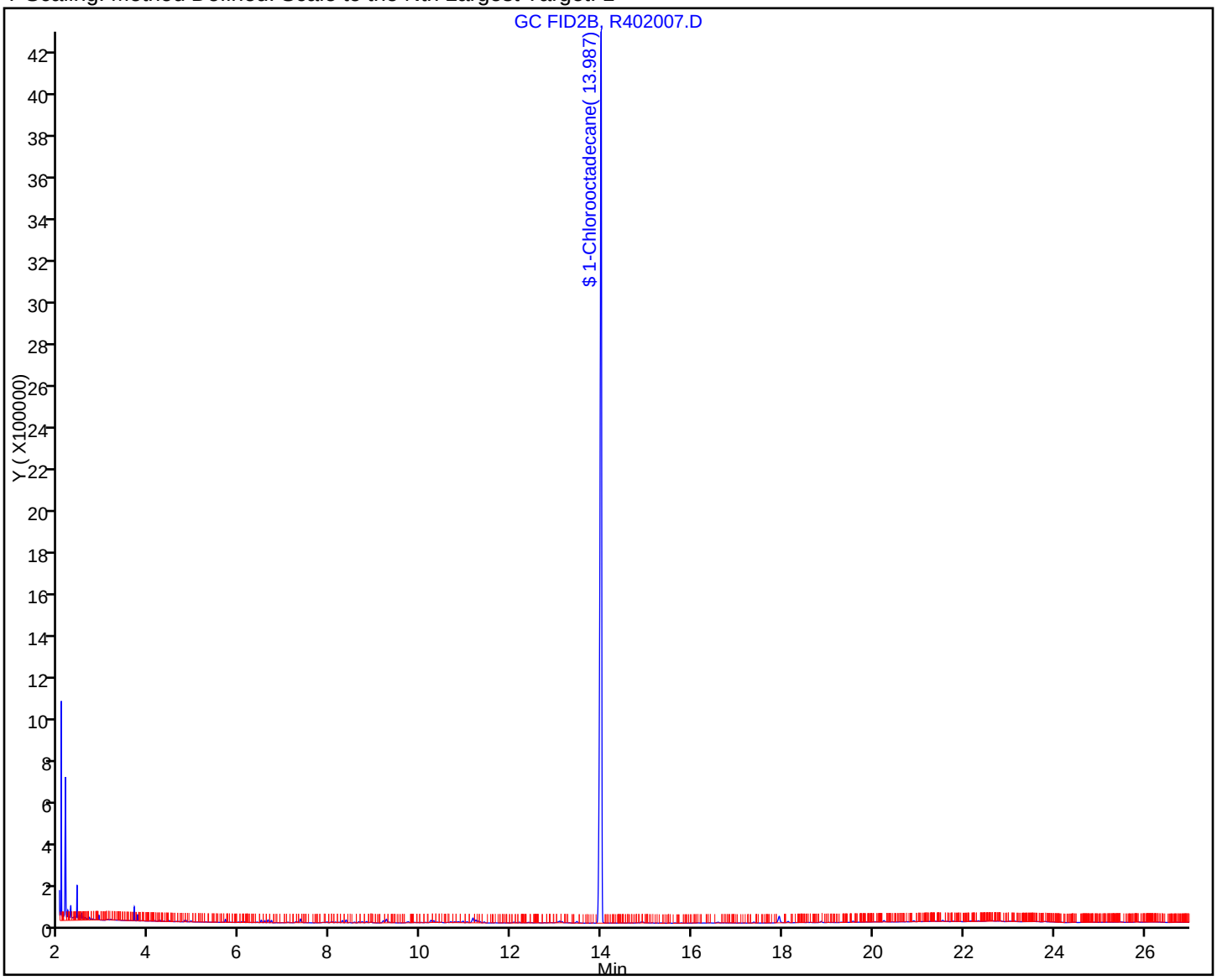
QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:26:00 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402007.D		
Injection Date:	12-Dec-2011 19:50:46	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB200A-0406	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	34
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 82885

SDG No.: 360-37847

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16338

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82885/2	R400713.D
Level 2	STD05 360-82885/3	R400715.D
Level 3	STD1 360-82885/4	R400717.D
Level 4	STD5 360-82885/5	R400719.D
Level 5	STD10 360-82885/6	R400721.D
Level 6	STD25 360-82885/7	R400723.D
Level 7	STD50 360-82885/1	R400725.D
Level 8	STD100 360-82885/8	R400727.D
Level 9	STD200 360-82885/9	R400729.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8	LVL 9		RT WINDOW	AVG RT
Naphthalene	4.694	4.694	4.694	4.693	4.694	4.695	4.700	4.707	4.718		4.593 - 4.793	4.699
2-Methylnaphthalene	5.462	5.462	5.461	5.462	5.462	5.465	5.470	5.478	5.490		5.362 - 5.562	5.468
Acenaphthylene	6.604	6.605	6.604	6.606	6.606	6.611	6.618	6.630	6.646		6.506 - 6.706	6.614
Acenaphthene	6.881	6.882	6.881	6.882	6.885	6.889	6.897	6.913	6.934		6.782 - 6.982	6.894
Fluorene	7.695	7.693	7.693	7.693	7.695	7.702	7.711	7.727	7.746		7.593 - 7.793	7.706
Phenanthrene	9.440	9.439	9.438	9.440	9.443	9.450	9.462	9.481	9.505		9.340 - 9.540	9.455
Anthracene	9.531	9.527	9.526	9.527	9.530	9.539	9.554	9.577	9.607		9.427 - 9.627	9.546
Fluoranthene	11.927	11.928	11.926	11.930	11.934	11.943	11.957	11.980	12.010		11.830 - 12.030	11.948
Pyrene	12.388	12.389	12.386	12.390	12.392	12.402	12.420	12.443	12.480		12.290 - 12.490	12.410
C11-C22 Aromatics (unadjusted)				12.793	12.727	12.727	12.771	12.727	12.727		4.593 - 20.861	12.745
Benzo[a]anthracene	15.116	15.114	15.113	15.112	15.120	15.131	15.147	15.174	15.204		15.012 - 15.212	15.137
Chrysene	15.203	15.204	15.198	15.202	15.207	15.224	15.245	15.278	15.322		15.102 - 15.302	15.231
Benzo[b]fluoranthene	17.434	17.430	17.426	17.427	17.439	17.452	17.472	17.499	17.556		17.327 - 17.527	17.459
Benzo[k]fluoranthene	17.473	17.479	17.476	17.477	17.487	17.507	17.534	17.574	17.629		17.377 - 17.577	17.515
Benzo[a]pyrene	18.044	18.044	18.041	18.042	18.049	18.068	18.090	18.131	18.175		17.942 - 18.142	18.076
Indeno[1,2,3-cd]pyrene	20.073	20.072	20.070	20.073	20.083	20.103	20.126	20.184			19.973 - 20.173	20.098
Dibenz(a,h)anthracene	20.141	20.145	20.140	20.145	20.147	20.167	20.196	20.237			20.045 - 20.245	20.165
Benzo[g,h,i]perylene	20.473	20.478	20.476	20.482	20.492	20.513	20.545	20.589	20.655		20.382 - 20.582	20.523
2-Fluorobiphenyl	5.938	5.938	5.936	5.937	5.938	5.939	5.944	5.952	5.963		5.837 - 6.037	5.943
2-Bromonaphthalene	6.797	6.795	6.794	6.795	6.795	6.799	6.805	6.817	6.832		6.695 - 6.895	6.803
o-Terphenyl	10.393	10.392	10.393	10.396	10.397	10.403	10.413	10.429	10.450		10.296 - 10.496	10.407

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 82885

SDG No.: 360-37847

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16338

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82885/2	R400713.D
Level 2	STD05 360-82885/3	R400715.D
Level 3	STD1 360-82885/4	R400717.D
Level 4	STD5 360-82885/5	R400719.D
Level 5	STD10 360-82885/6	R400721.D
Level 6	STD25 360-82885/7	R400723.D
Level 7	STD50 360-82885/1	R400725.D
Level 8	STD100 360-82885/8	R400727.D
Level 9	STD200 360-82885/9	R400729.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
Naphthalene	195320 178010 170096	192268 167988	174008 183379	154389 178245	Ave		177078.309				7.1		25.0			
2-Methylnaphthalene	180000 172361 164497	193712 162502	172711 177539	148988 172230	Ave		171615.598				7.3		25.0			
Acenaphthylene	248370 171571 162370	194922 161615	173931 175708	151274 169985	Ave		178860.637				16.0		25.0			
Acenaphthene	230430 173054 163217	194850 162229	182766 176407	152055 169417	Ave		178269.326				13.0		25.0			
Fluorene	189750 171048 160518	203972 160003	178603 174126	151092 167642	Ave		172972.642				9.4		25.0			
Phenanthrene	214890 162613 156584	172316 151994	160147 166131	142399 162113	Ave		165465.123				12.0		25.0			
Anthracene	320840 164641 150185	187396 150586	169140 163219	145949 159418	Lin1	16645.5480	154304.267							0.9990		0.9900
Fluoranthene	198500 154814 147628	167790 146598	153338 159441	136174 155415	Ave		157744.202				11.0		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 82885

SDG No.: 360-37847

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16338

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
Pyrene	204130 165507 154096	185812 155442	172200 167381	147244 162466	Ave		168253.133				10.0		25.0			
C11-C22 Aromatics (unadjusted)	165354 149103	150530	161143	153323 155865	Ave		155886.469				4.0		25.0			
Benzo[a]anthracene	273830 142780 137552	155216 135955	143301 146717	125667 143481	Lin1	10844.6969	139939.031							0.9990		0.9900
Chrysene	289630 150851 140830	184152 142240	166003 153091	135525 149043	Lin1	15720.3555	144567.259							0.9990		0.9900
Benzo[b]fluoranthene	296250 140117 133227	155652 134327	137895 143539	123388 150912	Lin1	12298.1384	138979.905							0.9970		0.9900
Benzo[k]fluoranthene	805610 143817 129480	193640 135339	170315 148406	129038 135318	Lin1	59282.0875	133118.374							0.9970		0.9900
Benzo[a]pyrene	287350 143262 138566	174510 136360	150008 147937	127088 146508	Lin1	13362.8056	141429.024							0.9990		0.9900
Indeno[1,2,3-cd]pyrene	406980 122976	128954 120585	119076 135963	106423 128581	Lin1	18412.1469	127920.871							0.9970		0.9900
Dibenz(a,h)anthracene	389710 125732	142210 118254	127477 125160	112801 127700	Lin1	20339.9206	124637.399							0.9990		0.9900
Benzo[g,h,i]perylene	410020 121148 125807	129396 117448	119837 127849	106634 125554	Lin1	19530.9232	124718.577							0.9990		0.9900
2-Fluorobiphenyl	182820 138392 136097	149624 130886	136417 143400	120671 142154	Ave		142273.417				12.0		25.0			
2-Bromonaphthalene	117060 94778 90024	95650 88768	90928 95593	82085 92336	Ave		94135.8078				10.0		25.0			
o-Terphenyl	253540 171542 157009	192914 160782	178742 174351	152185 167414	Ave		178719.907				17.0		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 82885

SDG No.: 360-37847

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16338

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82885/2	R400713.D
Level 2	STD05 360-82885/3	R400715.D
Level 3	STD1 360-82885/4	R400717.D
Level 4	STD5 360-82885/5	R400719.D
Level 5	STD10 360-82885/6	R400721.D
Level 6	STD25 360-82885/7	R400723.D
Level 7	STD50 360-82885/1	R400725.D
Level 8	STD100 360-82885/8	R400727.D
Level 9	STD200 360-82885/9	R400729.D

ANALYTE	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
Naphthalene	Ave	19532 4199707	96134 9168968	174008 17824535	771947 34019279	1780100	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Methylnaphthalene	Ave	18000 4062551	96856 8876927	172711 17223002	744942 32899396	1723614	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Acenaphthylene	Ave	24837 4040368	97461 8785393	173931 16998474	756372 32474003	1715710	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Acenaphthene	Ave	23043 4055729	97425 8820338	182766 16941685	760273 32643392	1730536	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Fluorene	Ave	18975 4000063	101986 8706313	178603 16764188	755459 32103683	1710479	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Phenanthrene	Ave	21489 3799841	86158 8306539	160147 16211326	711995 31316706	1626129	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Anthracene	Lin1	32084 3764648	93698 8160943	169140 15941768	729745 30036930	1646405	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Fluoranthene	Ave	19850 3664943	83895 7972047	153338 15541500	680868 29525692	1548141	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Pyrene	Ave	20413 3886049	92906 8369046	172200 16246645	736222 30819194	1655065	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C11-C22 Aromatics (unadjusted)	Ave	 63975201	 136971940	 264970279	13032461 506951589	28110201	 425	 850	 1700	85.0 3400	170
Benzo[a]anthracene	Lin1	27383 3398887	77608 7335836	143301 14348101	628333 27510479	1427799	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Chrysene	Lin1	28963 3556001	92076 7654542	166003 14904263	677626 28166036	1508512	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Benzo[b]fluoranthene	Lin1	29625 3358183	77826 7176927	137895 15091168	616939 26645481	1401170	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Benzo[k]fluoranthene	Lin1	80561 3383480	96820 7420303	170315 13531770	645189 25896085	1438171	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 82885

SDG No.: 360-37847

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16338

ANALYTE	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]pyrene	Lin1	28735 3408988	87255 7396842	150008 14650836	635440 27713144	1432623	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Indeno[1,2,3-cd]pyrene	Lin1	40698 3014627	64477 6798127	119076 12858055	532116	1229760	0.100 25.0	0.500 50.0	1.00 100	5.00	10.0
Dibenz(a,h)anthracene	Lin1	38971 2956340	71105 6258006	127477 12770021	564005	1257320	0.100 25.0	0.500 50.0	1.00 100	5.00	10.0
Benzo[g,h,i]perylene	Lin1	41002 2936197	64698 6392453	119837 12555380	533172 25161350	1211484	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Fluorobiphenyl	Ave	18282 3272150	74812 7170019	136417 14215423	603355 27219328	1383915	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Bromonaphthalene	Ave	11706 2219193	47825 4779655	90928 9233617	410427 18004776	947780	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
o-Terphenyl	Ave	25354 4019543	96457 8717574	178742 16741411	760924 31401850	1715418	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D		
Lims ID:	std50	Client ID:	
Inject. Date:	04-Nov-2011 18:55:49	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	7
Sample ID:	std50		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	82885	Lims Sample ID:	1
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:40:24	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.944	5.944	0.000	7170019	53.5	
$ 2 2-Bromonaphthalene						
1	6.805	6.805	0.000	4779655	53.9	
$ 3 o-Terphenyl						
1	10.413	10.413	0.000	8717574	48.8	
$ 4 1-Chlorooctadecane						
2	13.993	13.993	0.000	7669384	50.0	
5 n-Nonane						
2	3.322	3.322	0.000	9295434	51.7	
6 n-Decane						
2	4.127	4.127	0.000	9560336	48.1	
7 Naphthalene						
1	4.700	4.700	0.000	9168968	51.8	
8 2-Methylnaphthalene						
1	5.470	5.470	0.000	8876927	51.7	
9 Dodecane						
2	5.687	5.687	0.000	9558276	50.6	
11 Acenaphthylene						
1	6.618	6.618	0.000	8785393	49.1	
12 Acenaphthene						
1	6.897	6.897	0.000	8820338	49.5	
15 n-Tetradecane						
2	7.350	7.350	0.000	9323243	51.8	
14 Fluorene						
1	7.711	7.711	0.000	8706313	50.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.255	9.255	0.000	9268169	50.4	
16 Phenanthrene						
1	9.462	9.462	0.000	8306539	50.2	
17 Anthracene						
1	9.554	9.554	0.000	8160943	52.8	
20 n-Octadecane						
2	11.235	11.235	0.000	9137355	50.1	
19 Fluoranthene						
1	11.957	11.957	0.000	7972047	50.5	
22 C19						
2	12.205	12.205	0.000	9005170	50.8	
21 Pyrene						
1	12.420	12.420	0.000	8369046	49.7	
23 icosane						
2	13.148	13.148	0.000	8914211	50.7	
27 n-Docosane						
2	14.942	14.942	0.000	8687987	49.5	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	7335836	52.3	
25 Chrysene						
1	15.245	15.245	0.000	7654542	52.8	
28 n-Tetracosane						
2	16.607	16.607	0.000	8722666	48.9	
29 Benzo[b]fluoranthene						
1	17.472	17.472	0.000	7176927	51.6	
30 Benzo[k]fluoranthene						
1	17.534	17.534	0.000	7420303	55.3	
31 Benzo[a]pyrene						
1	18.090	18.090	0.000	7396842	52.2	
32 n-Hexacosane						
2	18.155	18.155	0.000	8918317	52.7	
35 n-Octacosane						
2	19.592	19.592	0.000	8891374	51.8	
33 Indeno[1,2,3-cd]pyrene						
1	20.126	20.126	0.000	6798127	53.0	
34 Dibenz(a,h)anthracene						
1	20.196	20.196	0.000	6258006	50.0	
36 Benzo[g,h,i]perylene						
1	20.545	20.545	0.000	6392453	51.1	
37 Triacontane						
2	20.937	20.937	0.000	8886731	48.8	
38 n-Hexatriacontane						M
2	25.541	25.541	0.000	6932405	45.5	M
A 39 C9-C18 Aliphatics						
2	7.278	3.222 - 11.335		68546958	330.5	
A 40 C11-C22 Aromatics						
1	12.771	4.600 - 20.986		136971940	378.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.564	11.335	-25.742	75594611	418.9	
S 44 EPH Adjustment 1						
1					771.0	
S 42 C11-C22 Aromatics (Adjusted)						
2					107.6	
S 43 Total EPH						
2					857.0	

QC Flag Legend

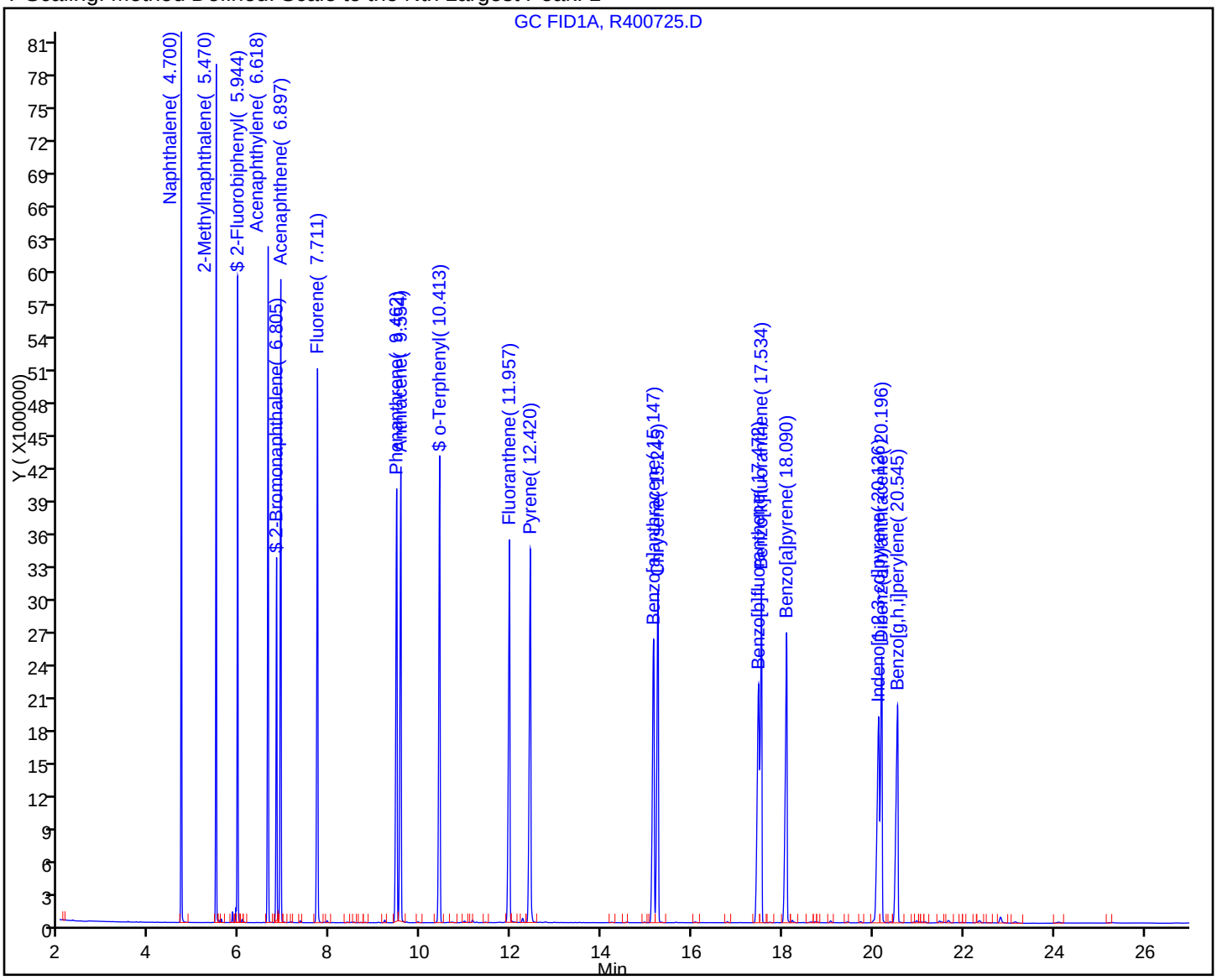
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:40:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D

Injection Date:	04-Nov-2011 18:55:49	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	1
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Lims ID:	std01	Client ID:	
Inject. Date:	04-Nov-2011 15:33:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	std01		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	82885	Lims Sample ID:	2
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:38:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	18282	0.1781	
$ 2 2-Bromonaphthalene						
1	6.797	6.807	-0.010	11706	0.1714	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	25354	0.1419	
$ 4 1-Chlorooctadecane						
2	13.977	13.989	-0.012	19177	0.1251	
5 n-Nonane						
2	3.315	3.320	-0.005	45689	0.1185	
6 n-Decane						
2	4.118	4.125	-0.007	27503	0.1384	
7 Naphthalene						
1	4.694	4.701	-0.007	19532	0.1103	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	18000	0.1049	
9 Dodecane						M
2	5.681	5.685	-0.004	21402	0.1132	M
11 Acenaphthylene						
1	6.604	6.620	-0.016	24837	0.1389	
12 Acenaphthene						
1	6.881	6.900	-0.019	23043	0.1293	
15 n-Tetradecane						
2	7.340	7.345	-0.005	28868	0.1025	
14 Fluorene						
1	7.695	7.711	-0.016	18975	0.1097	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	21924	0.1192	
16 Phenanthrene						
1	9.440	9.463	-0.023	21489	0.1299	
17 Anthracene						
1	9.531	9.555	-0.024	32084	0.1001	
20 n-Octadecane						
2	11.223	11.231	-0.008	22544	0.1236	
19 Fluoranthene						
1	11.927	11.959	-0.032	19850	0.1258	
22 C19						
2	12.189	12.202	-0.013	20605	0.1162	
21 Pyrene						
1	12.388	12.421	-0.033	20413	0.1213	
23 icosane						
2	13.133	13.145	-0.012	22148	0.1260	
27 n-Docosane						
2	14.928	14.940	-0.012	21473	0.1223	
24 Benzo[a]anthracene						
1	15.116	15.147	-0.031	27383	0.1182	
25 Chrysene						
1	15.203	15.245	-0.042	28963	0.0916	
28 n-Tetracosane						
2	16.593	16.605	-0.012	23228	0.1303	
29 Benzo[b]fluoranthene						
1	17.434	17.471	-0.037	29625	0.1247	
30 Benzo[k]fluoranthene						
1	17.473	17.537	-0.064	80561	0.1598	
31 Benzo[a]pyrene						
1	18.044	18.091	-0.047	28735	0.1087	
32 n-Hexacosane						
2	18.139	18.150	-0.011	32897	0.0964	
35 n-Octacosane						
2	19.577	19.586	-0.009	29834	0.1027	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.124	-0.051	40698	0.1742	
34 Dibenz(a,h)anthracene						
1	20.141	20.237	-0.096	38971	0.1495	
36 Benzo[g,h,i]perylene						
1	20.473	20.473	0.000	41002	0.1722	
37 Triacontane						
2	20.919	20.932	-0.013	24973	0.1370	
38 n-Hexatriacontane						M
2	25.486	25.525	-0.039	18444	0.1210	M
S 43 Total EPH						
2					-1.85	
S 42 C11-C22 Aromatics (Adjusted)						
2					1.85	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					1.85	

QC Flag Legend

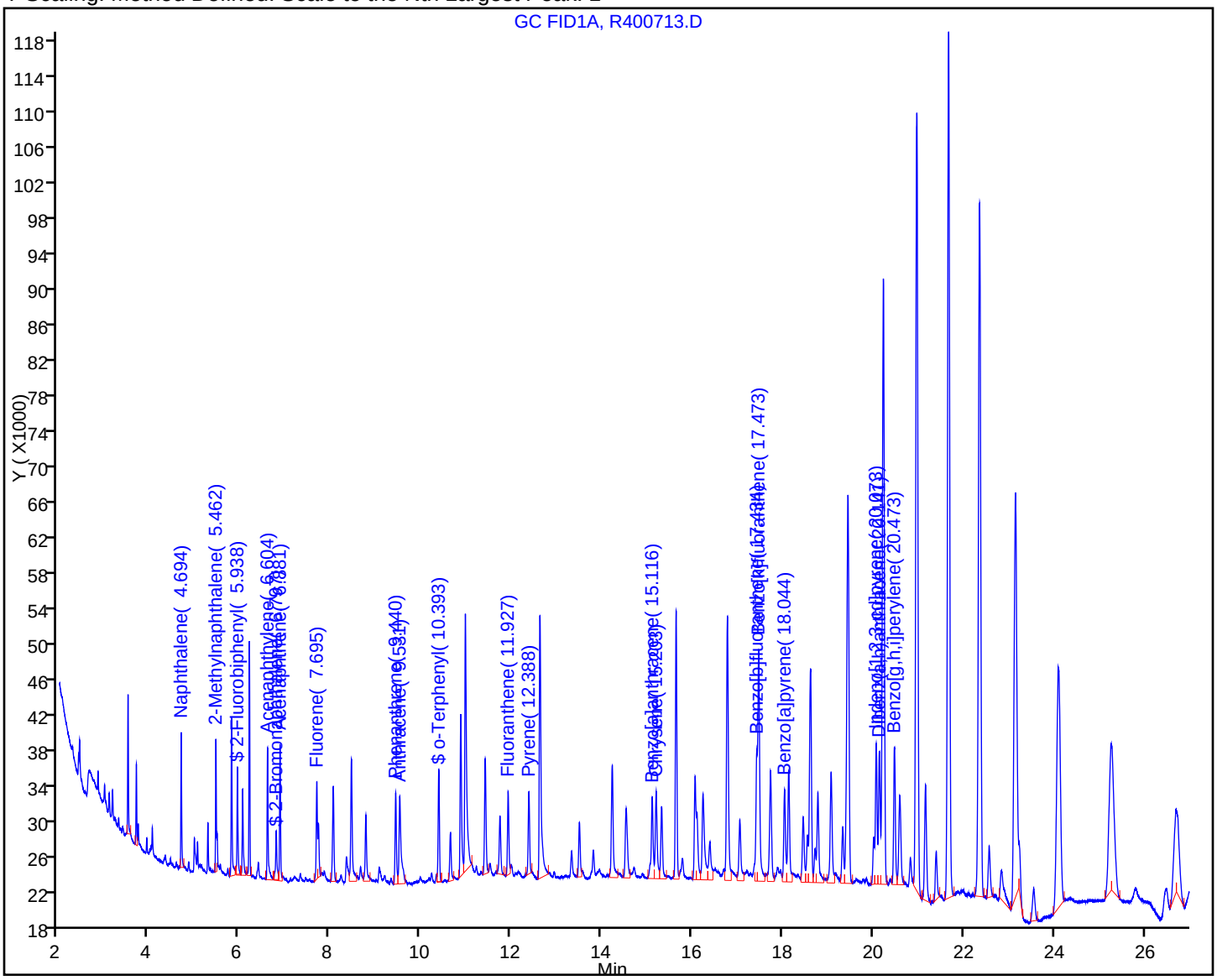
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:38:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D

Injection Date:	04-Nov-2011 15:33:45	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Lims ID:	std05	Client ID:	
Inject. Date:	04-Nov-2011 16:07:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	std05		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	82885	Lims Sample ID:	3
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:21	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:21

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	74812	0.6280	
$ 2 2-Bromonaphthalene						
1	6.795	6.807	-0.012	47825	0.6068	
$ 3 o-Terphenyl						
1	10.392	10.414	-0.022	96457	0.5397	
$ 4 1-Chlorooctadecane						
2	13.980	13.989	-0.009	66681	0.4348	
5 n-Nonane						
2	3.316	3.320	-0.004	94503	0.3909	
6 n-Decane						
2	4.119	4.125	-0.006	88951	0.4476	
7 Naphthalene						
1	4.694	4.701	-0.007	96134	0.5429	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	96856	0.5644	
9 Dodecane						M
2	5.681	5.685	-0.004	81949	0.4335	M
11 Acenaphthylene						
1	6.605	6.620	-0.015	97461	0.5449	
12 Acenaphthene						
1	6.882	6.900	-0.018	97425	0.5465	
15 n-Tetradecane						
2	7.344	7.345	-0.001	86676	0.4241	
14 Fluorene						
1	7.693	7.711	-0.018	101986	0.5896	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	79421	0.4318	
16 Phenanthrene						
1	9.439	9.463	-0.024	86158	0.5207	
17 Anthracene						
1	9.527	9.555	-0.028	93698	0.4994	
20 n-Octadecane						
2	11.225	11.231	-0.006	79063	0.4335	
19 Fluoranthene						
1	11.928	11.959	-0.031	83895	0.5318	
22 C19						
2	12.192	12.202	-0.010	76763	0.4328	
21 Pyrene						
1	12.389	12.421	-0.032	92906	0.5522	
23 icosane						
2	13.135	13.145	-0.010	76021	0.4324	
27 n-Docosane						
2	14.930	14.940	-0.010	77725	0.4427	
24 Benzo[a]anthracene						
1	15.114	15.147	-0.033	77608	0.4771	
25 Chrysene						
1	15.204	15.245	-0.041	92076	0.5282	
28 n-Tetracosane						
2	16.593	16.605	-0.012	77831	0.4365	
29 Benzo[b]fluoranthene						
1	17.430	17.471	-0.041	77826	0.4715	
30 Benzo[k]fluoranthene						
1	17.479	17.537	-0.058	96820	0.2820	
31 Benzo[a]pyrene						M
1	18.044	18.091	-0.047	87255	0.5225	M
32 n-Hexacosane						
2	18.139	18.150	-0.011	84479	0.4019	
35 n-Octacosane						
2	19.575	19.586	-0.011	82434	0.4095	
33 Indeno[1,2,3-cd]pyrene						
1	20.072	20.124	-0.052	64477	0.3601	
34 Dibenz(a,h)anthracene						M
1	20.145	20.237	-0.092	71105	0.4073	M
36 Benzo[g,h,i]perylene						
1	20.478	20.473	0.005	64698	0.3622	
37 Triacontane						
2	20.916	20.932	-0.016	77925	0.4275	
38 n-Hexatriacontane						
2	25.515	25.525	-0.010	80420	0.5274	
S 44 EPH Adjustment 1						
1					7.54	
S 42 C11-C22 Aromatics (Adjusted)						
2					7.54	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 43 Total EPH						
2					-7.54	

QC Flag Legend

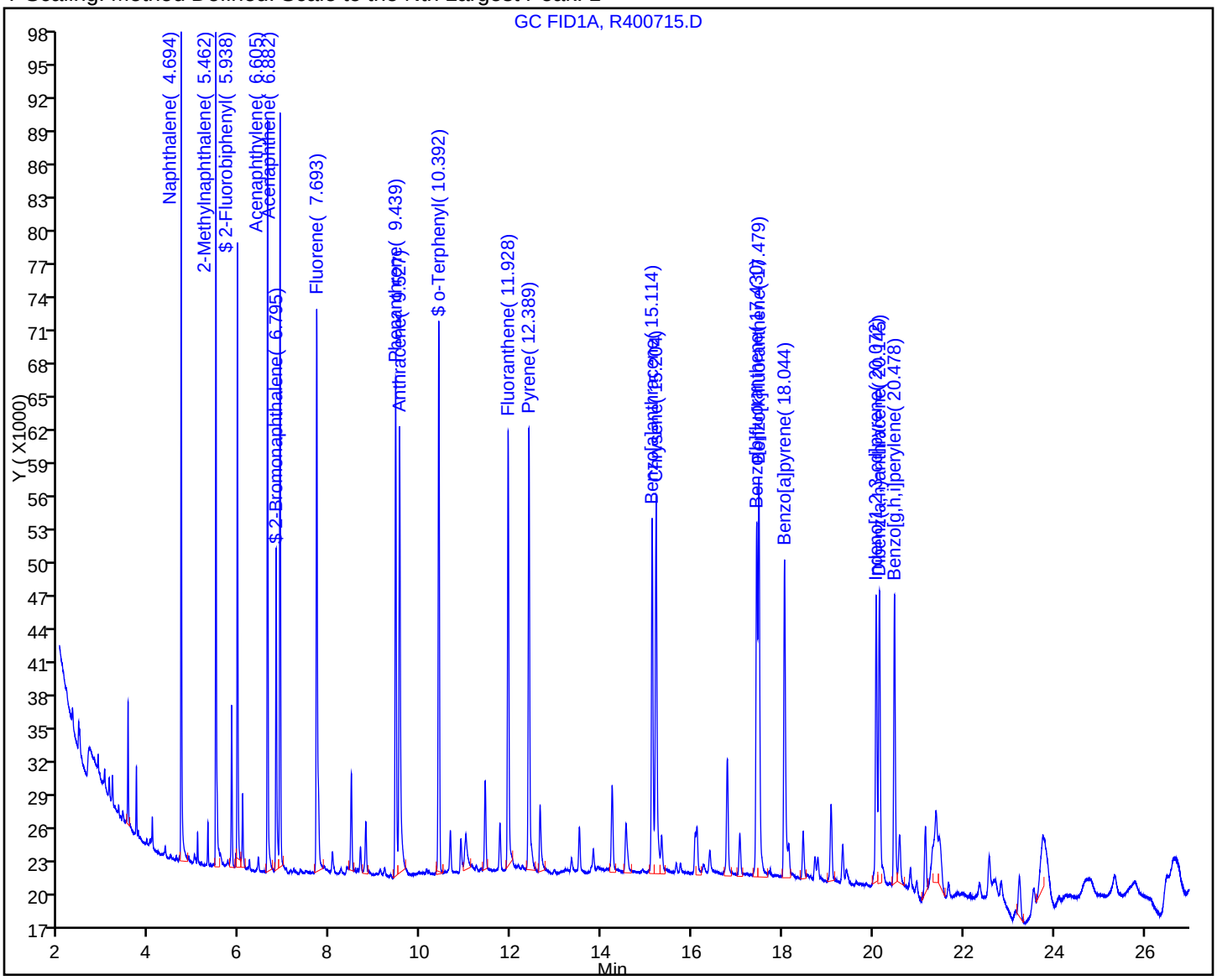
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D

Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



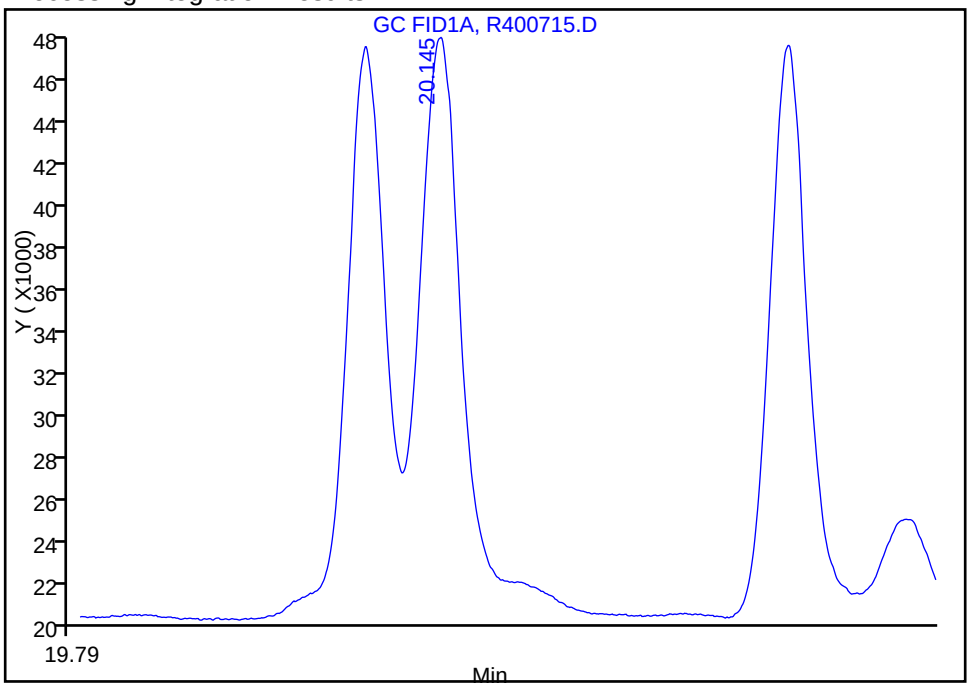
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 20.24, Det: GC FID1A

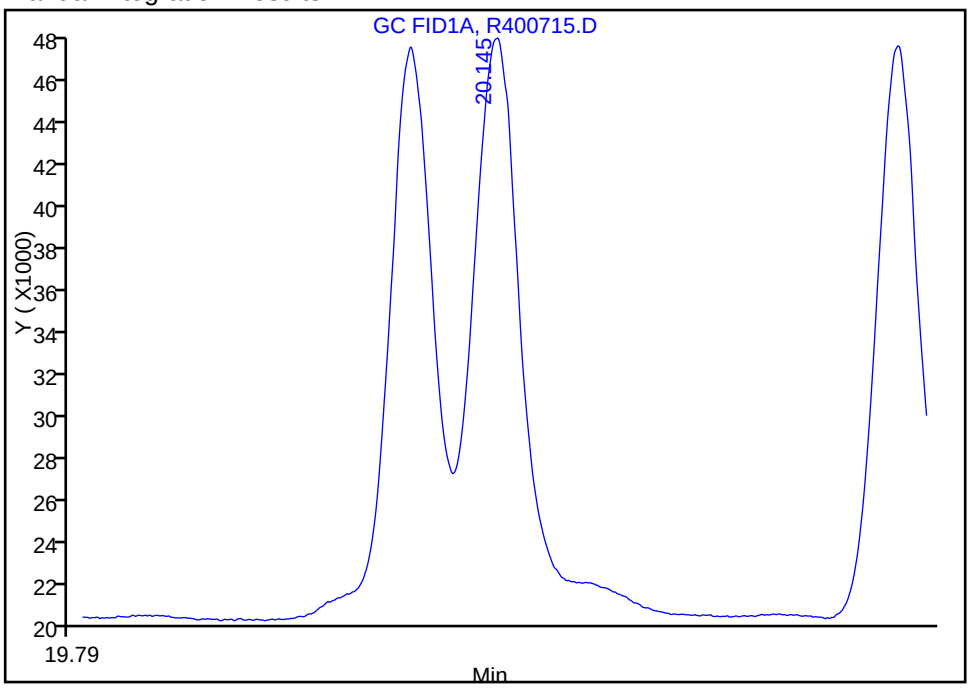
Processing Integration Results

RT: 20.14
Response: 75585
Amount: 1.160028



Manual Integration Results

RT: 20.14
Response: 71105
Amount: 0.407302



Reviewer: malanowskiv, 08-Nov-2011 10:07:06
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:39:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

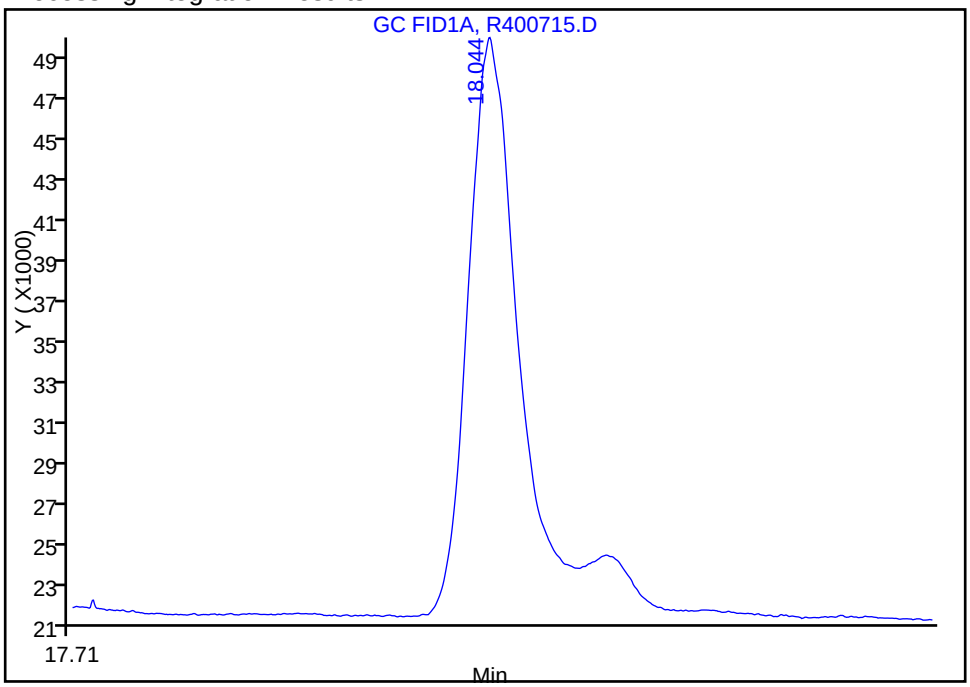
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 18.09, Det: GC FID1A

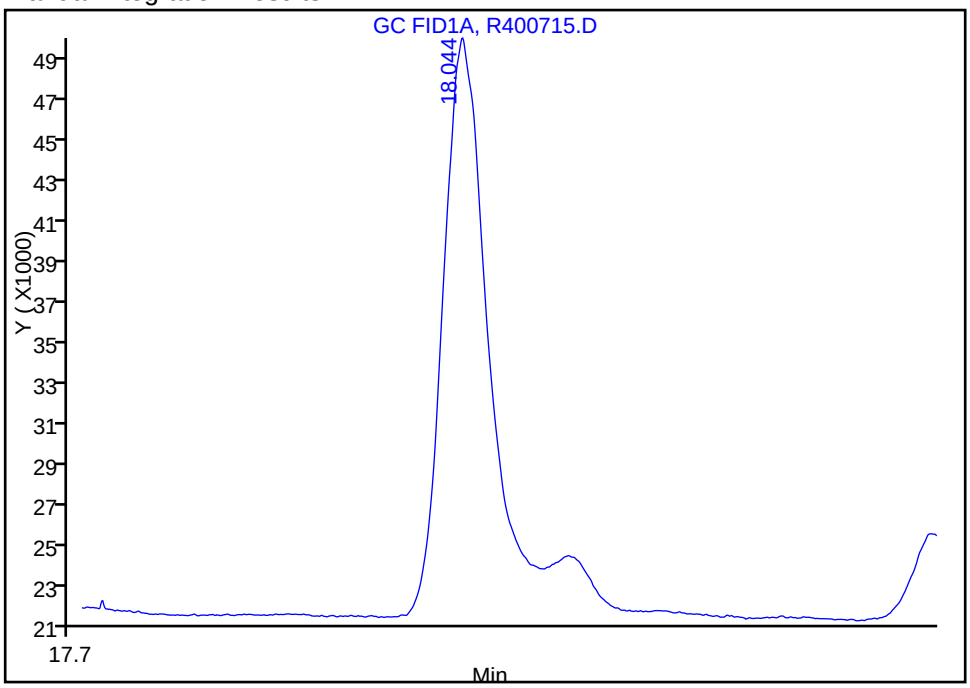
Processing Integration Results

RT: 18.04
Response: 79261
Amount: 0.470187



Manual Integration Results

RT: 18.04
Response: 87255
Amount: 0.522468



Reviewer: malanowskiv, 06-Nov-2011 12:18:05
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Lims ID:	std1	Client ID:	
Inject. Date:	04-Nov-2011 16:41:15	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	std1		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	82885	Lims Sample ID:	4
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:43	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:30

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.936	5.946	-0.010	136417	1.02	
$ 2 2-Bromonaphthalene						
1	6.794	6.807	-0.013	90928	1.02	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	178742	1.00	
$ 4 1-Chlorooctadecane						
2	13.979	13.989	-0.010	157720	1.03	
5 n-Nonane						
2	3.316	3.320	-0.004	191340	0.9313	
6 n-Decane						
2	4.120	4.125	-0.005	198910	1.00	
7 Naphthalene						
1	4.694	4.701	-0.007	174008	0.9827	
8 2-Methylnaphthalene						
1	5.461	5.471	-0.010	172711	1.01	
9 Dodecane						
2	5.681	5.685	-0.004	193561	1.02	
11 Acenaphthylene						
1	6.604	6.620	-0.016	173931	0.9724	
12 Acenaphthene						
1	6.881	6.900	-0.019	182766	1.03	
15 n-Tetradecane						
2	7.341	7.345	-0.004	195113	1.03	
14 Fluorene						
1	7.693	7.711	-0.018	178603	1.03	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.245	9.253	-0.008	188032	1.02	
16 Phenanthrene						
1	9.438	9.463	-0.025	160147	0.9679	
17 Anthracene						
1	9.526	9.555	-0.029	169140	0.9883	
20 n-Octadecane						
2	11.221	11.231	-0.010	186018	1.02	
19 Fluoranthene						
1	11.926	11.959	-0.033	153338	0.9721	
22 C19						
2	12.191	12.202	-0.011	181606	1.02	
21 Pyrene						
1	12.386	12.421	-0.035	172200	1.02	
23 icosane						
2	13.133	13.145	-0.012	179530	1.02	
27 n-Docosane						
2	14.925	14.940	-0.015	181581	1.03	
24 Benzo[a]anthracene						
1	15.113	15.147	-0.034	143301	0.9465	
25 Chrysene						
1	15.198	15.245	-0.047	166003	1.04	
28 n-Tetracosane						
2	16.591	16.605	-0.014	185952	1.04	
29 Benzo[b]fluoranthene						
1	17.426	17.471	-0.045	137895	0.9037	
30 Benzo[k]fluoranthene						
1	17.476	17.537	-0.061	170315	0.8341	
31 Benzo[a]pyrene						M
1	18.041	18.091	-0.050	150008	0.9662	M
32 n-Hexacosane						
2	18.134	18.150	-0.016	196881	1.07	
35 n-Octacosane						
2	19.576	19.586	-0.010	195174	1.07	
33 Indeno[1,2,3-cd]pyrene						
1	20.070	20.124	-0.054	119076	0.7869	
34 Dibenz(a,h)anthracene						M
1	20.140	20.237	-0.097	127477	0.8596	M
36 Benzo[g,h,i]perylene						
1	20.476	20.473	0.003	119837	0.8043	
37 Triacontane						
2	20.914	20.932	-0.018	186927	1.03	
38 n-Hexatriacontane						
2	25.510	25.525	-0.015	158822	1.04	
S 43 Total EPH						
2					-14.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					14.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					14.5	

QC Flag Legend

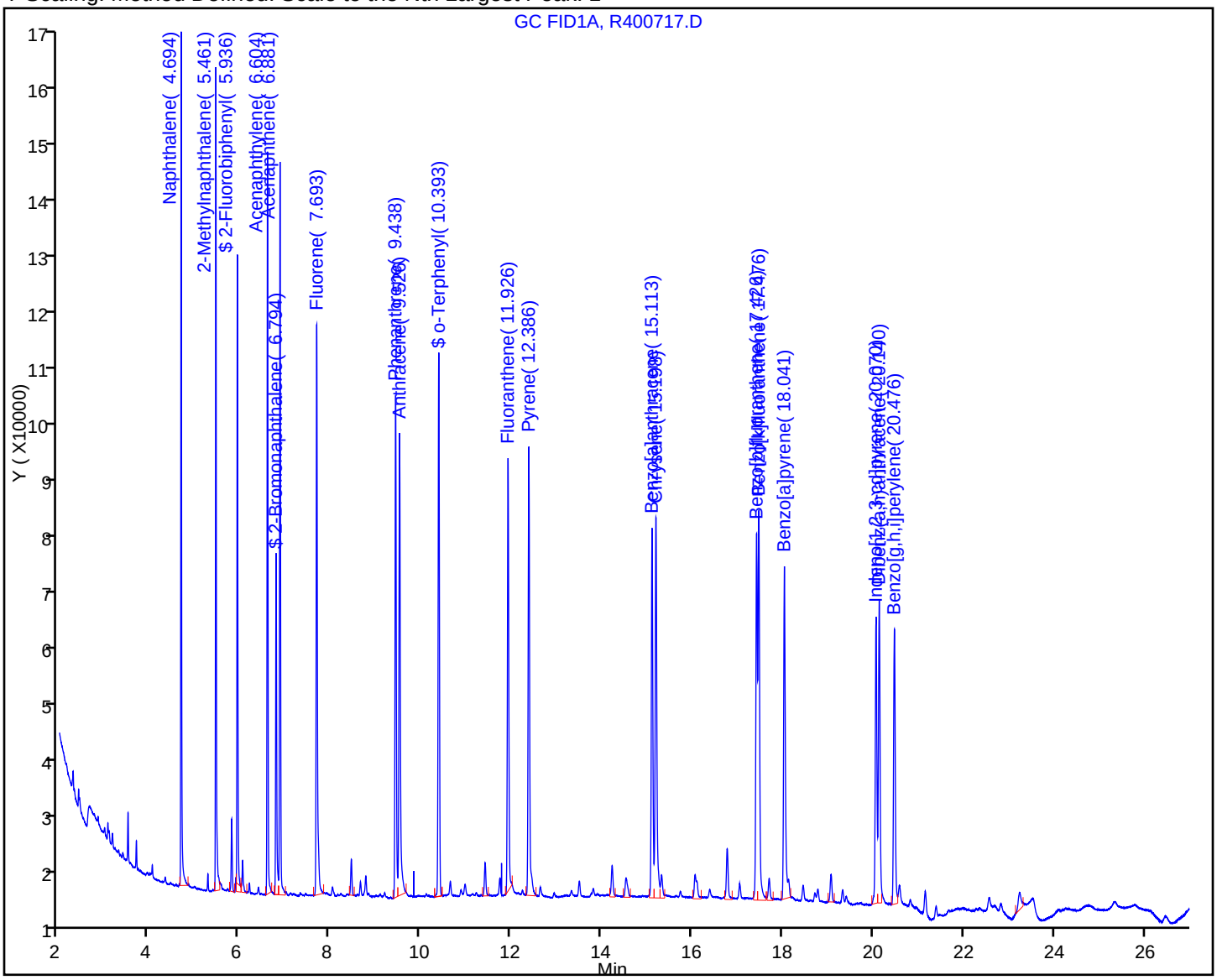
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D

Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Report Date: 08-Nov-2011 10:39:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02

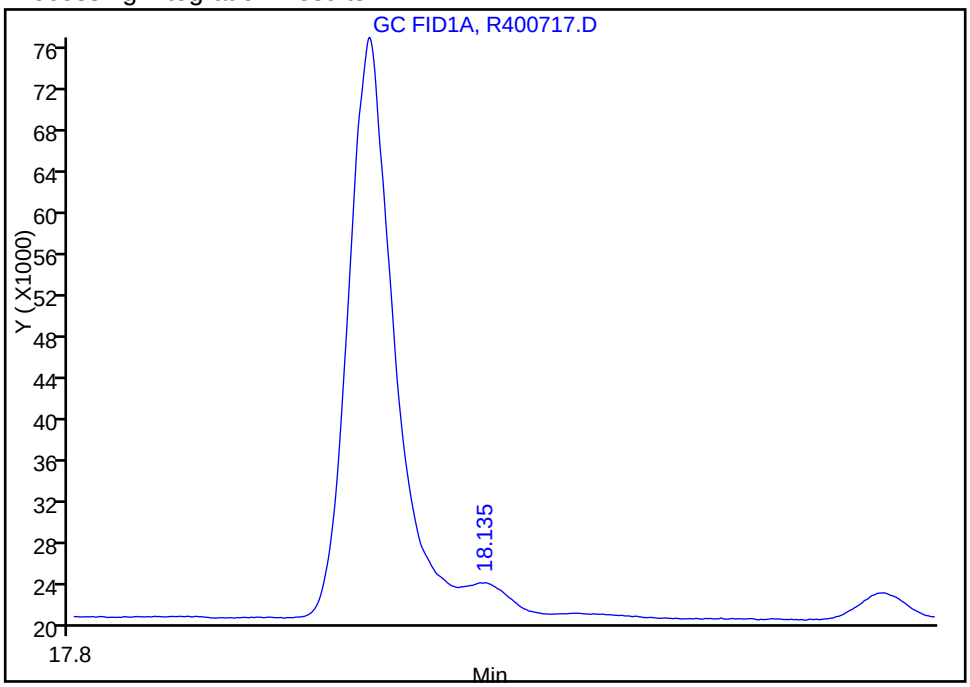
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 18.09, Det: GC FID1A

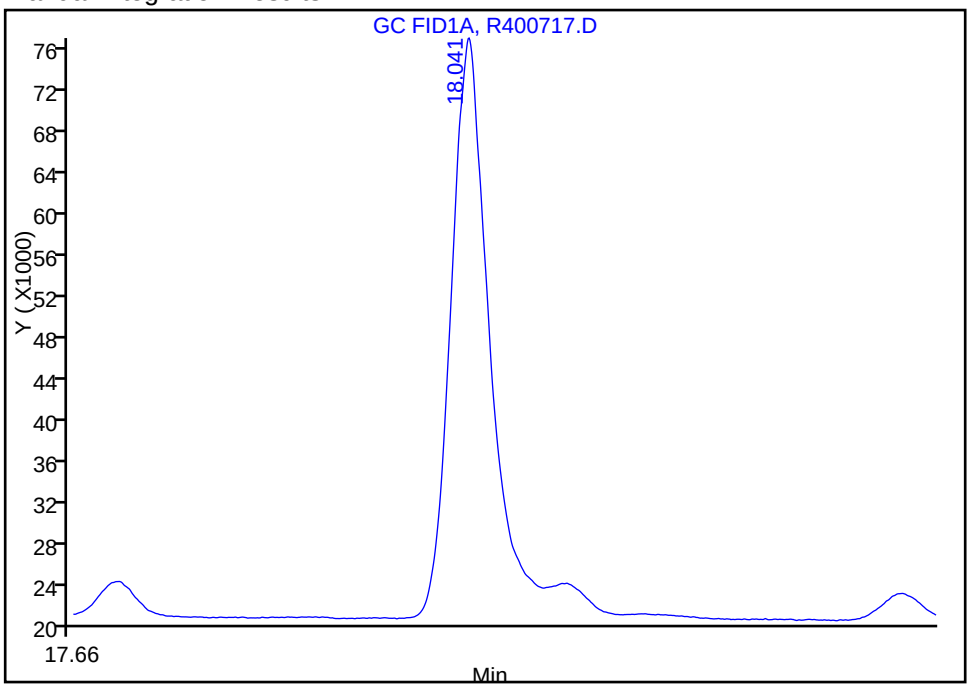
Processing Integration Results

RT: 18.13
Response: 10022
Amount: 0.315085



Manual Integration Results

RT: 18.04
Response: 150008
Amount: 0.966175



Reviewer: malanowskiv, 06-Nov-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:39:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02

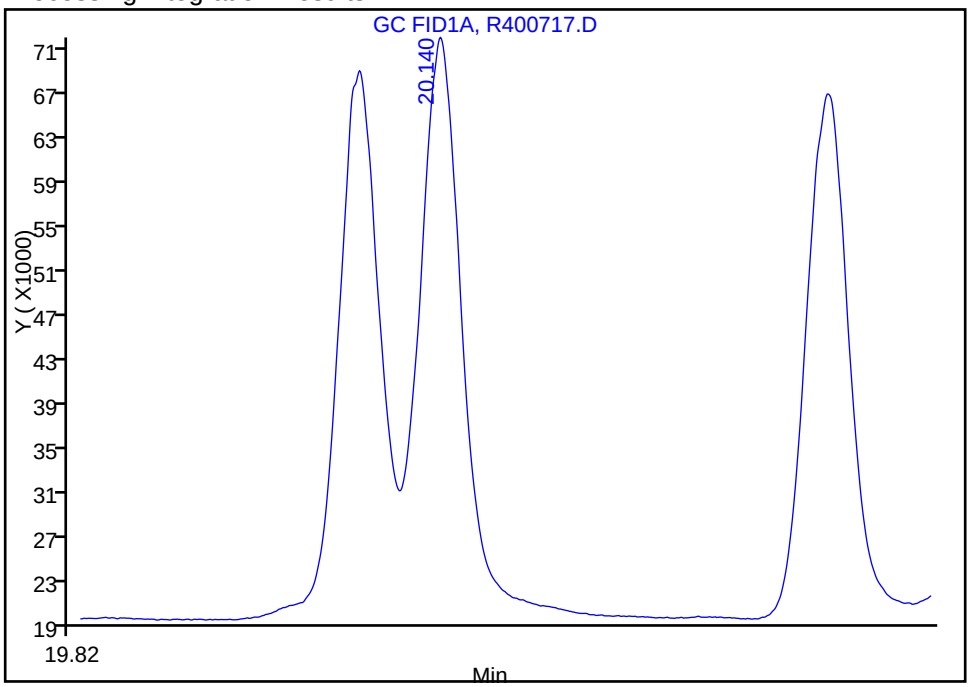
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 20.24, Det: GC FID1A

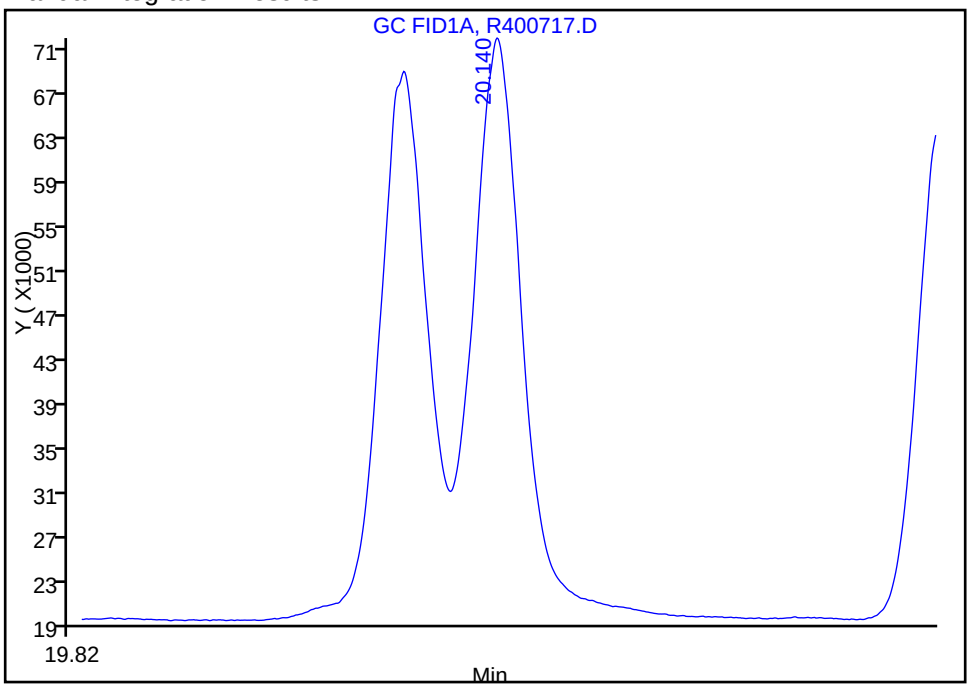
Processing Integration Results

RT: 20.14
Response: 131847
Amount: 1.534784



Manual Integration Results

RT: 20.14
Response: 127477
Amount: 0.859590



Reviewer: malanowskiv, 08-Nov-2011 10:07:54
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D		
Lims ID:	std5	Client ID:	
Inject. Date:	04-Nov-2011 17:14:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	std5		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	82885	Lims Sample ID:	5
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:42:28	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		
First Level Reviewer: malanowskiv		Date:	07-Nov-2011 07:51:37

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.937	0.000	603355	4.50	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	410427	4.63	
$ 3 o-Terphenyl						
1	10.396	10.396	0.000	760924	4.26	
$ 4 1-Chlorooctadecane						
2	13.980	13.980	0.000	835953	5.45	
5 n-Nonane						
2	3.317	3.317	0.000	1008687	5.49	
6 n-Decane						
2	4.119	4.119	0.000	1040458	5.24	
7 Naphthalene						
1	4.693	4.693	0.000	771947	4.36	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	744942	4.34	
9 Dodecane						
2	5.681	5.681	0.000	1032141	5.46	
11 Acenaphthylene						
1	6.606	6.606	0.000	756372	4.23	
12 Acenaphthene						
1	6.882	6.882	0.000	760273	4.26	
15 n-Tetradecane						
2	7.342	7.342	0.000	1009032	5.55	
14 Fluorene						
1	7.693	7.693	0.000	755459	4.37	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	997130	5.42	
16 Phenanthrene						
1	9.440	9.440	0.000	711995	4.30	
17 Anthracene						
1	9.527	9.527	0.000	729745	4.62	
20 n-Octadecane						
2	11.222	11.222	0.000	981231	5.38	
19 Fluoranthene						
1	11.930	11.930	0.000	680868	4.32	
22 C19						
2	12.192	12.192	0.000	962882	5.43	
21 Pyrene						
1	12.390	12.390	0.000	736222	4.38	
23 icosane						
2	13.135	13.135	0.000	950809	5.41	
27 n-Docosane						
2	14.927	14.927	0.000	957825	5.46	
24 Benzo[a]anthracene						
1	15.112	15.112	0.000	628333	4.41	
25 Chrysene						
1	15.202	15.202	0.000	677626	4.58	
28 n-Tetracosane						
2	16.592	16.592	0.000	954740	5.35	
29 Benzo[b]fluoranthene						
1	17.427	17.427	0.000	616939	4.35	
30 Benzo[k]fluoranthene						
1	17.477	17.477	0.000	645189	4.40	
31 Benzo[a]pyrene						
1	18.042	18.042	0.000	635440	4.40	
32 n-Hexacosane						
2	18.139	18.139	0.000	969840	5.65	
35 n-Octacosane						
2	19.577	19.577	0.000	964729	5.55	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.073	0.000	532116	4.02	
34 Dibenz(a,h)anthracene						
1	20.145	20.145	0.000	564005	4.36	
36 Benzo[g,h,i]perylene						
1	20.482	20.482	0.000	533172	4.12	
37 Triacontane						
2	20.918	20.918	0.000	957852	5.25	
38 n-Hexatriacontane						
2	25.512	25.512	0.000	816525	5.35	
A 39 C9-C18 Aliphatics						
2	7.278	3.217 - 11.322		13287798	32.2	
A 40 C11-C22 Aromatics						
1	12.793	4.593 - 20.861		13032461	83.6	

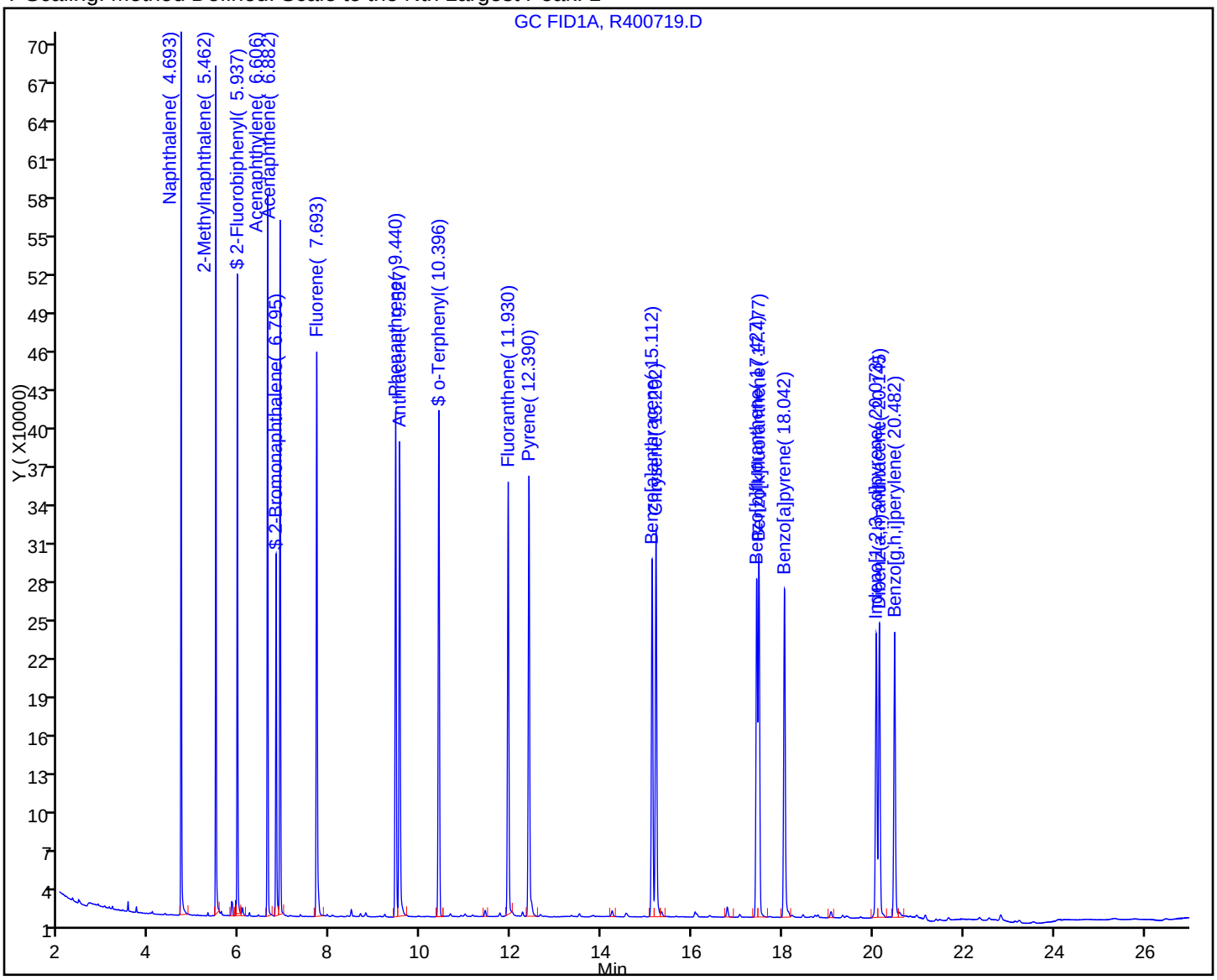
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.538	11.322	-25.765	11820018	40.3	
S 43 Total EPH						
2					90.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					18.2	
S 44 EPH Adjustment 1						
1					65.4	

Report Date: 08-Nov-2011 10:42:29 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D

Injection Date:	04-Nov-2011 17:14:54	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	5
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Lims ID:	std10	Client ID:	
Inject. Date:	04-Nov-2011 17:48:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	std10		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	82885	Lims Sample ID:	6
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:13	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.937	0.001	1383915	10.3	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	947780	10.7	
$ 3 o-Terphenyl						
1	10.397	10.396	0.001	1715418	9.60	
$ 4 1-Chlorooctadecane						
2	13.981	13.980	0.001	1493643	9.74	
5 n-Nonane						
2	3.317	3.317	0.000	1809092	9.96	
6 n-Decane						
2	4.121	4.119	0.002	1866122	9.39	
7 Naphthalene						
1	4.694	4.693	0.001	1780100	10.1	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	1723614	10.0	
9 Dodecane						
2	5.682	5.681	0.001	1852722	9.80	
11 Acenaphthylene						
1	6.606	6.606	0.000	1715710	9.59	
12 Acenaphthene						
1	6.885	6.882	0.003	1730536	9.71	
15 n-Tetradecane						
2	7.343	7.342	0.001	1804162	9.98	
14 Fluorene						
1	7.695	7.693	0.002	1710479	9.89	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	1783806	9.70	
16 Phenanthrene						
1	9.443	9.440	0.003	1626129	9.83	
17 Anthracene						
1	9.530	9.527	0.003	1646405	10.6	
20 n-Octadecane						
2	11.223	11.222	0.001	1751948	9.60	
19 Fluoranthene						
1	11.934	11.930	0.004	1548141	9.81	
22 C19						
2	12.194	12.192	0.002	1723266	9.72	
21 Pyrene						
1	12.392	12.390	0.002	1655065	9.84	
23 icosane						M
2	13.136	13.135	0.001	1718339	9.77	M
27 n-Docosane						
2	14.928	14.927	0.001	1707750	9.73	
24 Benzo[a]anthracene						
1	15.120	15.112	0.008	1427799	10.1	
25 Chrysene						
1	15.207	15.202	0.005	1508512	10.3	
28 n-Tetracosane						
2	16.594	16.592	0.002	1695943	9.51	
29 Benzo[b]fluoranthene						
1	17.439	17.427	0.012	1401170	10.0	
30 Benzo[k]fluoranthene						
1	17.487	17.477	0.010	1438171	10.4	
31 Benzo[a]pyrene						
1	18.049	18.042	0.007	1432623	10.0	
32 n-Hexacosane						
2	18.138	18.139	-0.001	1707752	10.0	
35 n-Octacosane						
2	19.579	19.577	0.002	1703640	9.86	
33 Indeno[1,2,3-cd]pyrene						
1	20.083	20.073	0.010	1229760	9.47	
34 Dibenz(a,h)anthracene						
1	20.147	20.145	0.002	1257320	9.92	
36 Benzo[g,h,i]perylene						
1	20.492	20.482	0.010	1211484	9.56	
37 Triacontane						
2	20.920	20.918	0.002	1700410	9.33	
38 n-Hexatriacontane						M
2	25.519	25.512	0.007	1476363	9.68	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		16605628	50.1	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		28110201	100.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	17408993	73.4	
S 44 EPH Adjustment 1						
1					149.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					30.6	
S 43 Total EPH						
2					154.1	

QC Flag Legend

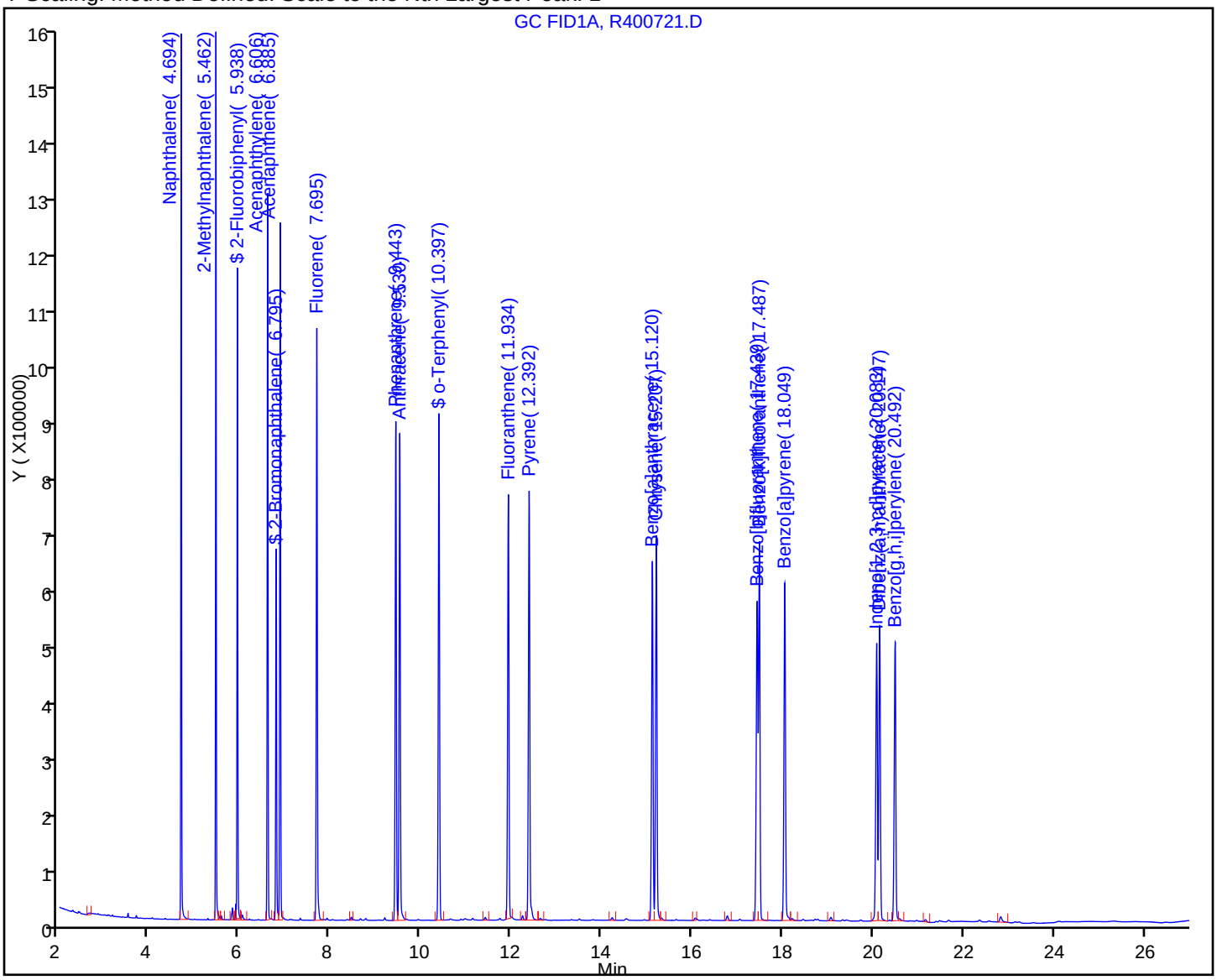
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:46:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D

Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D		
Lims ID:	std25	Client ID:	
Inject. Date:	04-Nov-2011 18:22:16	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	std25		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	82885	Lims Sample ID:	7
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:35	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:26

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.937	0.002	3272150	24.4	
$ 2 2-Bromonaphthalene						
1	6.799	6.795	0.004	2219193	25.0	
$ 3 o-Terphenyl						
1	10.403	10.396	0.007	4019543	22.5	
$ 4 1-Chlorooctadecane						
2	13.984	13.980	0.004	3641764	23.7	
5 n-Nonane						
2	3.318	3.317	0.001	4377354	24.3	
6 n-Decane						
2	4.122	4.119	0.003	4503826	22.7	
7 Naphthalene						
1	4.695	4.693	0.002	4199707	23.7	
8 2-Methylnaphthalene						
1	5.465	5.462	0.003	4062551	23.7	
9 Dodecane						
2	5.683	5.681	0.002	4478288	23.7	
11 Acenaphthylene						
1	6.611	6.606	0.005	4040368	22.6	
12 Acenaphthene						
1	6.889	6.882	0.007	4055729	22.8	
15 n-Tetradecane						
2	7.345	7.342	0.003	4377639	24.3	
14 Fluorene						
1	7.702	7.693	0.009	4000063	23.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.246	0.005	4324561	23.5	
16 Phenanthrene						
1	9.450	9.440	0.010	3799841	23.0	
17 Anthracene						
1	9.539	9.527	0.012	3764648	24.3	
20 n-Octadecane						
2	11.230	11.222	0.008	4270937	23.4	
19 Fluoranthene						
1	11.943	11.930	0.013	3664943	23.2	
22 C19						
2	12.198	12.192	0.006	4203875	23.7	
21 Pyrene						
1	12.402	12.390	0.012	3886049	23.1	
23 icosane						
2	13.142	13.135	0.007	4135090	23.5	
27 n-Docosane						
2	14.935	14.927	0.008	4155128	23.7	
24 Benzo[a]anthracene						
1	15.131	15.112	0.019	3398887	24.2	
25 Chrysene						
1	15.224	15.202	0.022	3556001	24.5	
28 n-Tetracosane						
2	16.600	16.592	0.008	4156516	23.3	
29 Benzo[b]fluoranthene						
1	17.452	17.427	0.025	3358183	24.1	
30 Benzo[k]fluoranthene						
1	17.507	17.477	0.030	3383480	25.0	
31 Benzo[a]pyrene						
1	18.068	18.042	0.026	3408988	24.0	
32 n-Hexacosane						
2	18.147	18.139	0.008	4203409	24.8	
35 n-Octacosane						
2	19.583	19.577	0.006	4221496	24.5	
33 Indeno[1,2,3-cd]pyrene						
1	20.103	20.073	0.030	3014627	23.4	
34 Dibenz(a,h)anthracene						
1	20.167	20.145	0.022	2956340	23.6	
36 Benzo[g,h,i]perylene						
1	20.513	20.482	0.031	2936197	23.4	
37 Triacontane						
2	20.926	20.918	0.008	4185801	23.0	
38 n-Hexatriacontane						
2	25.527	25.512	0.015	3536636	23.2	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		35718196	153.3	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		63975201	410.4	

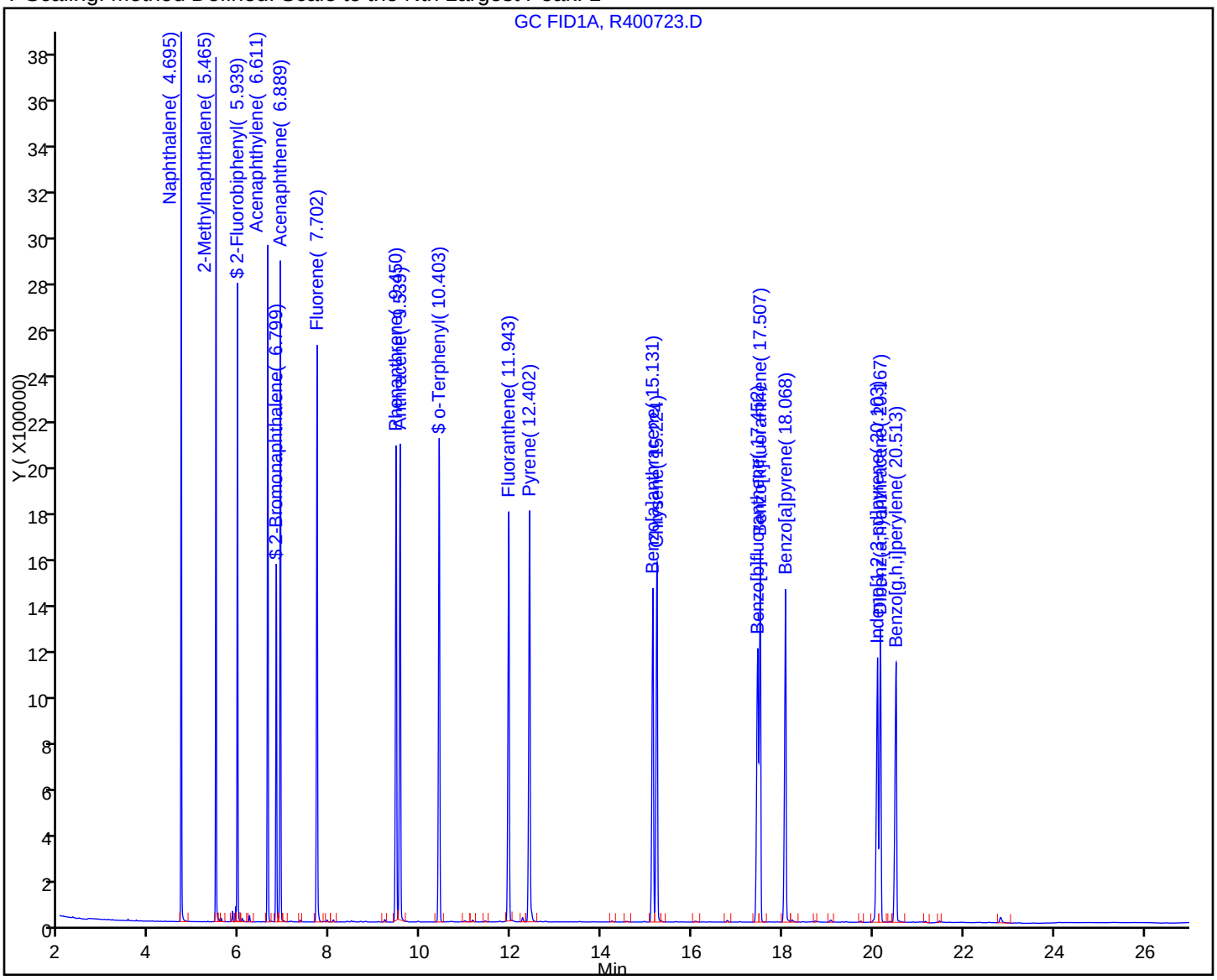
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	40071233	208.0	
S 43 Total EPH						
2					417.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					55.8	
S 44 EPH Adjustment 1						
1					354.6	

Report Date: 08-Nov-2011 10:46:36 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D

Injection Date:	04-Nov-2011 18:22:16	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Lims ID:	std100	Client ID:	
Inject. Date:	04-Nov-2011 19:29:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	std100		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	82885	Lims Sample ID:	8
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:26	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.952	5.937	0.015	14215423	102.1	
$ 2 2-Bromonaphthalene						
1	6.817	6.795	0.022	9233617	100.2	
$ 3 o-Terphenyl						
1	10.429	10.396	0.033	16741411	93.7	
$ 4 1-Chlorooctadecane						
2	14.007	13.980	0.027	14226897	92.8	
5 n-Nonane						
2	3.327	3.317	0.010	18211050	101.5	
6 n-Decane						
2	4.132	4.119	0.013	18796584	94.6	
7 Naphthalene						
1	4.707	4.693	0.014	17824535	100.7	
8 2-Methylnaphthalene						
1	5.478	5.462	0.016	17223002	100.4	
9 Dodecane						
2	5.692	5.681	0.011	18661498	98.7	
11 Acenaphthylene						
1	6.630	6.606	0.024	16998474	95.0	
12 Acenaphthene						
1	6.913	6.882	0.031	16941685	95.0	
15 n-Tetradecane						
2	7.355	7.342	0.013	18072917	100.5	
14 Fluorene						
1	7.727	7.693	0.034	16764188	96.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.266	9.246	0.020	17883375	97.2	
16 Phenanthrene						
1	9.481	9.440	0.041	16211326	98.0	
17 Anthracene						
1	9.577	9.527	0.050	15941768	103.2	
20 n-Octadecane						
2	11.246	11.222	0.024	17579906	96.4	
19 Fluoranthene						
1	11.980	11.930	0.050	15541500	98.5	
22 C19						
2	12.217	12.192	0.025	17308446	97.6	
21 Pyrene						
1	12.443	12.390	0.053	16246645	96.6	
23 icosane						
2	13.163	13.135	0.028	16639428	94.6	
27 n-Docosane						
2	14.959	14.927	0.032	16360413	93.2	
24 Benzo[a]anthracene						
1	15.174	15.112	0.062	14348101	102.5	
25 Chrysene						
1	15.278	15.202	0.076	14904263	103.0	
28 n-Tetracosane						
2	16.623	16.592	0.031	16666913	93.5	
29 Benzo[b]fluoranthene						
1	17.499	17.427	0.072	15091168	108.5	
30 Benzo[k]fluoranthene						
1	17.574	17.477	0.097	13531770	101.2	
31 Benzo[a]pyrene						M
1	18.131	18.042	0.089	14650836	103.5	M
32 n-Hexacosane						
2	18.171	18.139	0.032	16975846	100.5	
35 n-Octacosane						
2	19.607	19.577	0.030	17077930	99.5	
33 Indeno[1,2,3-cd]pyrene						
1	20.184	20.073	0.111	12858055	100.4	
34 Dibenz(a,h)anthracene						M
1	20.237	20.145	0.092	12770021	102.3	M
36 Benzo[g,h,i]perylene						
1	20.589	20.482	0.107	12555380	100.5	
37 Triacontane						
2	20.954	20.918	0.036	17192252	94.3	
38 n-Hexatriacontane						
2	25.568	25.512	0.056	13851517	90.8	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		116436741	589.0	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		264970279	1698.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	140145386	802.1	
S 44 EPH Adjustment 1						
1					1503.4	
S 42 C11-C22 Aromatics (Adjusted)						
2					196.3	
S 43 Total EPH						
2					1587.5	

QC Flag Legend

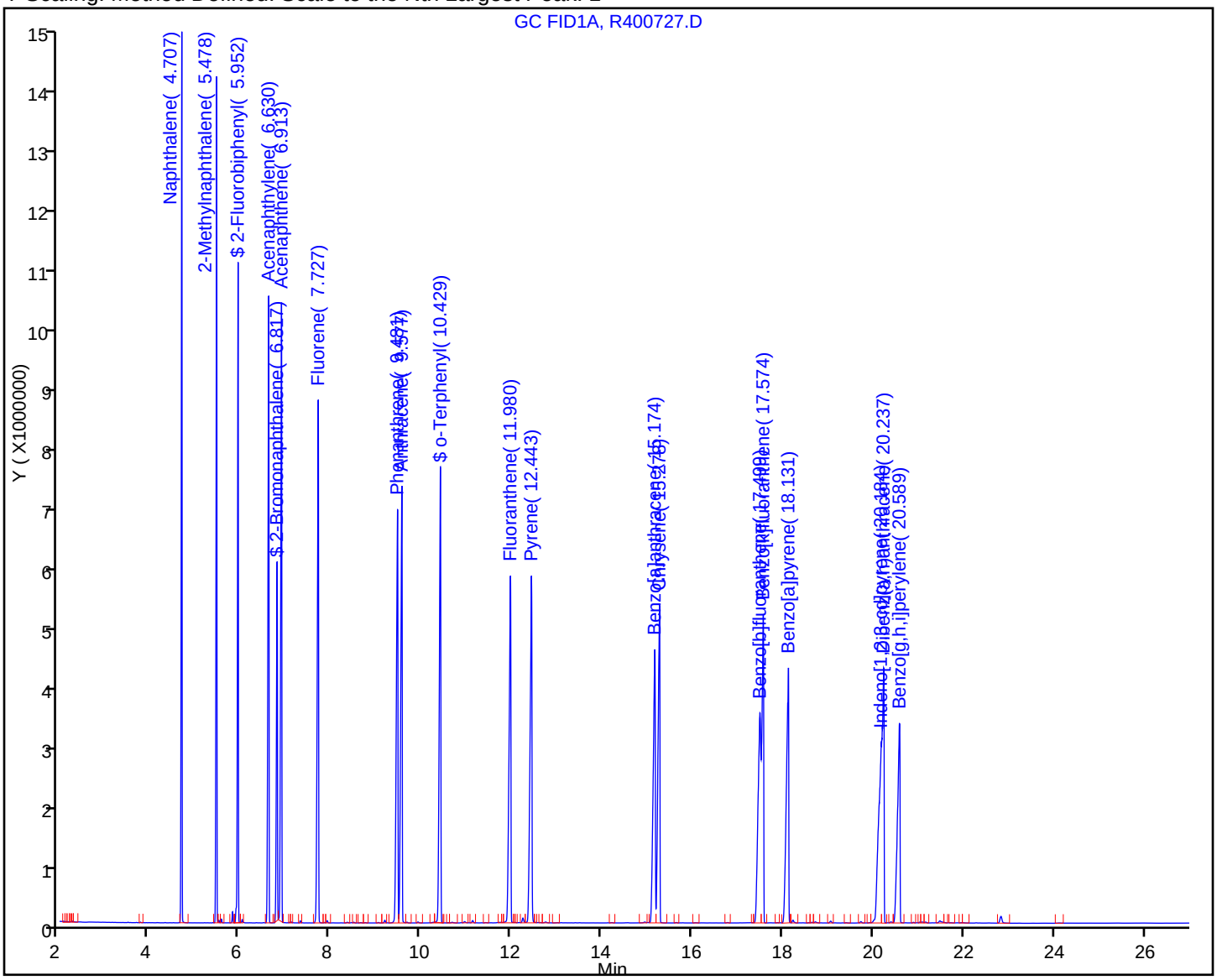
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D

Injection Date:	04-Nov-2011 19:29:41	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



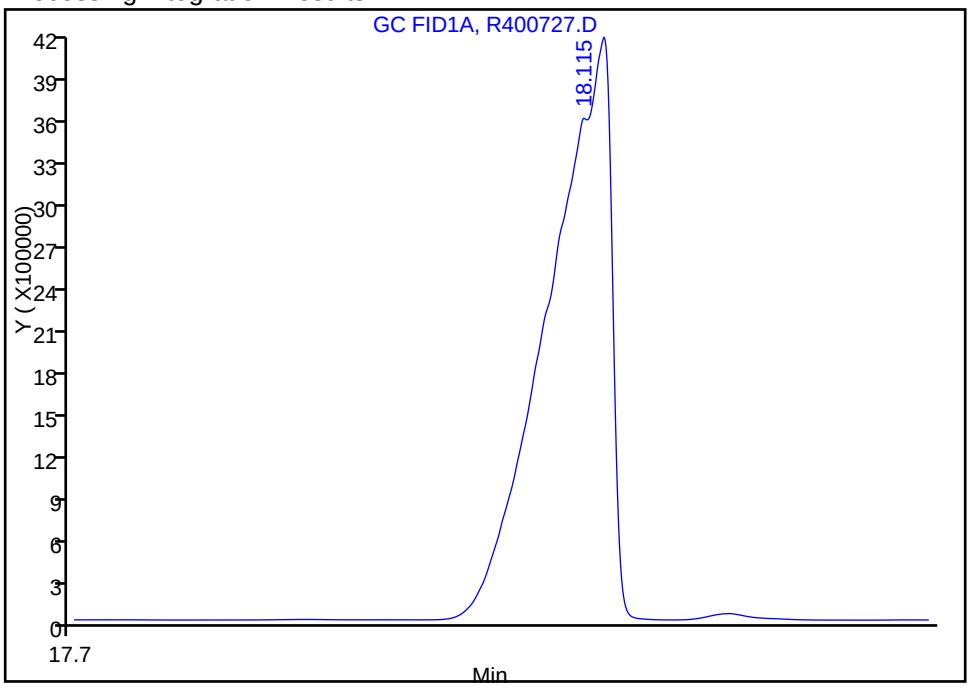
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Injection Date:	04-Nov-2011 19:29:41	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 18.04, Det: GC FID1A

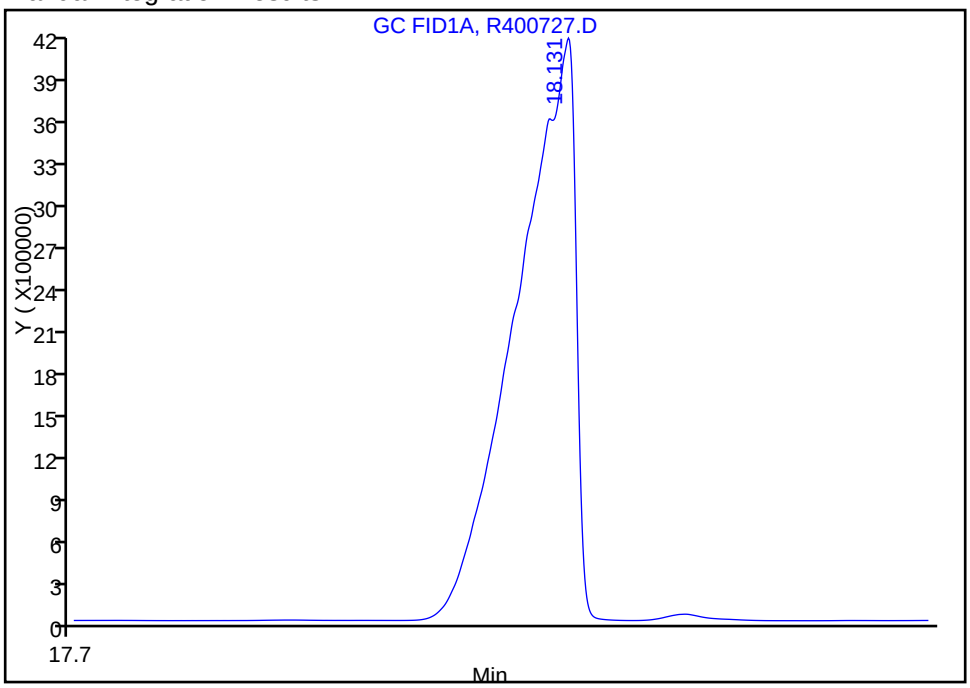
Processing Integration Results

RT: 18.11
Response: 9262129
Amount: 91.625759



Manual Integration Results

RT: 18.13
Response: 14650836
Amount: 103.4970



Reviewer: malanowskiv, 06-Nov-2011 12:29:30
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:47:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02

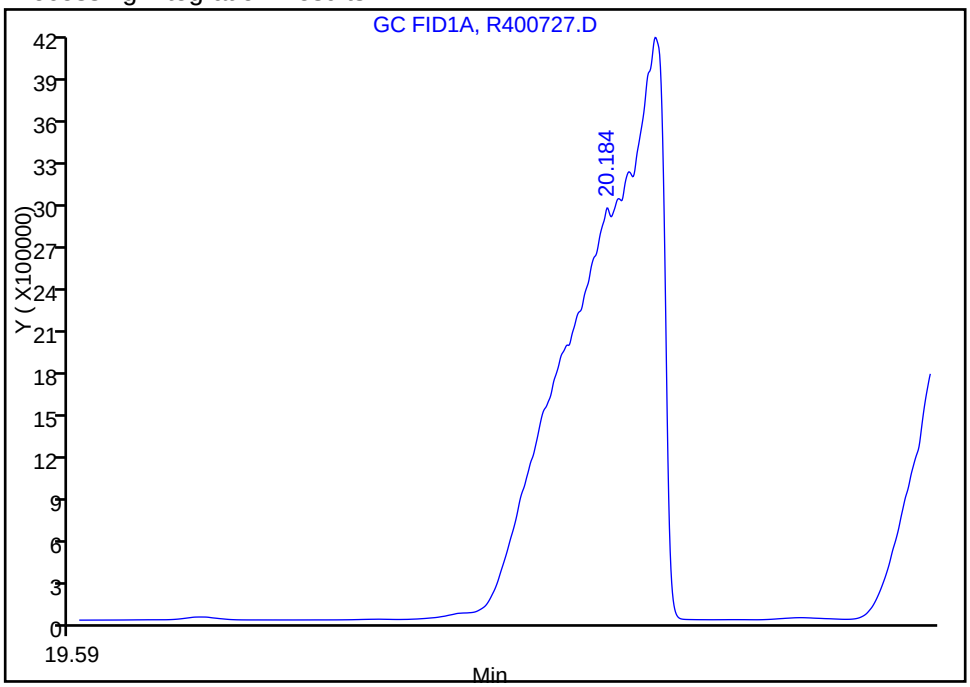
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Injection Date:	04-Nov-2011 19:29:41	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 20.14, Det: GC FID1A

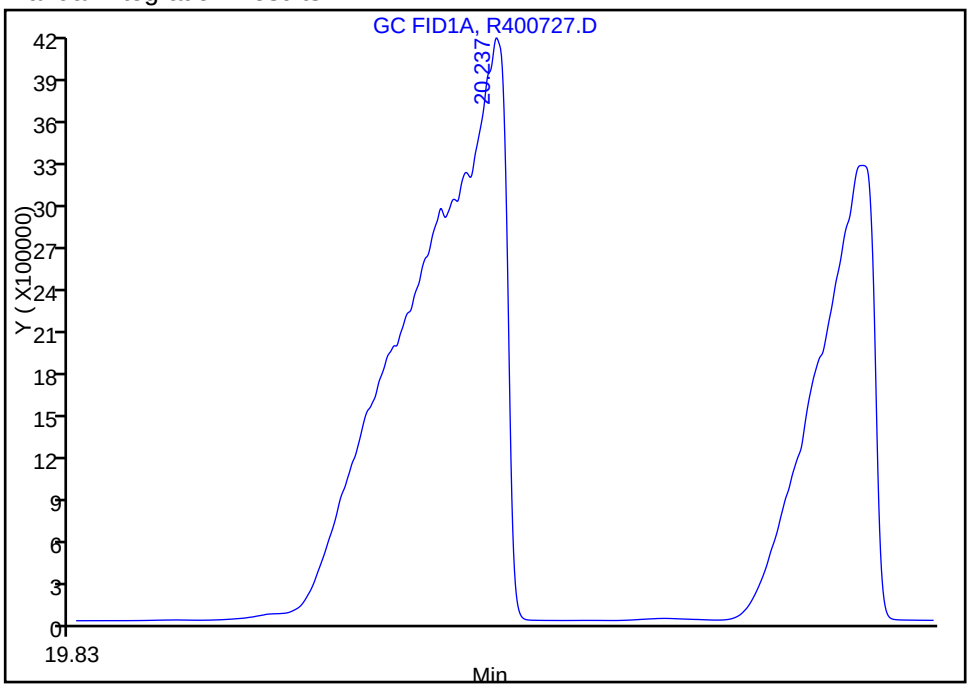
Processing Integration Results

RT: 20.18
Response: 12858055
Amount: 102.6048



Manual Integration Results

RT: 20.24
Response: 12770021
Amount: 102.2942



Reviewer: malanowskiv, 08-Nov-2011 10:09:42
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Lims ID:	std200	Client ID:	
Inject. Date:	04-Nov-2011 20:03:23	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	std200		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	82885	Lims Sample ID:	9
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:49	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.963	5.937	0.026	27219328	191.3	
$ 2 2-Bromonaphthalene						
1	6.832	6.795	0.037	18004776	191.3	
$ 3 o-Terphenyl						
1	10.450	10.396	0.054	31401850	175.7	
$ 4 1-Chlorooctadecane						
2	14.026	13.980	0.046	27871700	181.8	
5 n-Nonane						
2	3.332	3.317	0.015	35355401	197.2	
6 n-Decane						
2	4.142	4.119	0.023	36501217	183.7	
7 Naphthalene						
1	4.718	4.693	0.025	34019279	192.1	
8 2-Methylnaphthalene						
1	5.490	5.462	0.028	32899396	191.7	
9 Dodecane						
2	5.700	5.681	0.019	36255572	191.8	
11 Acenaphthylene						
1	6.646	6.606	0.040	32474003	181.6	
12 Acenaphthene						
1	6.934	6.882	0.052	32643392	183.1	
15 n-Tetradecane						
2	7.367	7.342	0.025	35180388	195.6	
14 Fluorene						
1	7.746	7.693	0.053	32103683	185.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.280	9.246	0.034	34884004	189.6	
16 Phenanthrene						
1	9.505	9.440	0.065	31316706	189.3	
17 Anthracene						
1	9.607	9.527	0.080	30036930	194.6	
20 n-Octadecane						
2	11.265	11.222	0.043	34238156	187.7	
19 Fluoranthene						
1	12.010	11.930	0.080	29525692	187.2	
22 C19						
2	12.239	12.192	0.047	33765177	190.4	
21 Pyrene						
1	12.480	12.390	0.090	30819194	183.2	
23 icosane						
2	13.185	13.135	0.050	31423185	178.7	
27 n-Docosane						
2	14.979	14.927	0.052	32476339	185.0	
24 Benzo[a]anthracene						
1	15.204	15.112	0.092	27510479	196.5	
25 Chrysene						
1	15.322	15.202	0.120	28166036	194.7	
28 n-Tetracosane						
2	16.645	16.592	0.053	32590752	182.8	
29 Benzo[b]fluoranthene						M
1	17.556	17.427	0.129	26645481	191.6	M
30 Benzo[k]fluoranthene						M
1	17.629	17.477	0.152	25896085	194.1	M
31 Benzo[a]pyrene						
1	18.175	18.042	0.133	27713144	195.9	
32 n-Hexacosane						
2	18.191	18.139	0.052	33162196	196.4	
35 n-Octacosane						
2	19.630	19.577	0.053	33519195	195.4	
36 Benzo[g,h,i]perylene						M
1	20.655	20.482	0.173	25161350	201.6	M
37 Triacontane						
2	20.977	20.918	0.059	33854159	185.7	
38 n-Hexatriacontane						M
2	25.616	25.512	0.104	27729888	181.9	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		226814494	1184.9	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		506951589	3252.1	
A 41 C19-C36 Aliphatics						
2	18.544	11.322 - 25.765		270729533	1577.3	
S 43 Total EPH						
2					2151.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 42 C11-C22 Aromatics (Adjusted)						
2					389.4	
S 44 EPH Adjustment 1						
1					2862.7	

QC Flag Legend

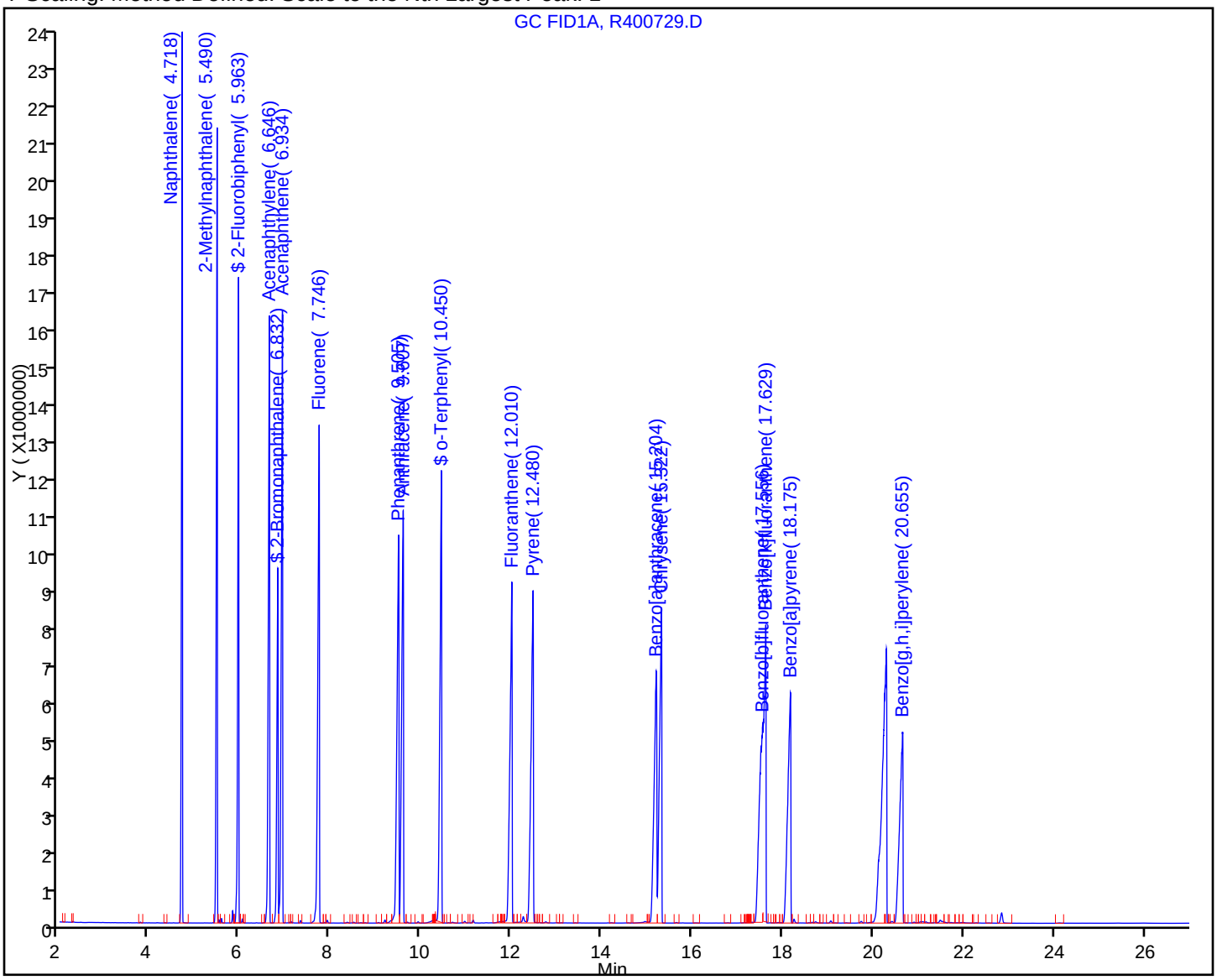
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:51 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D

Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



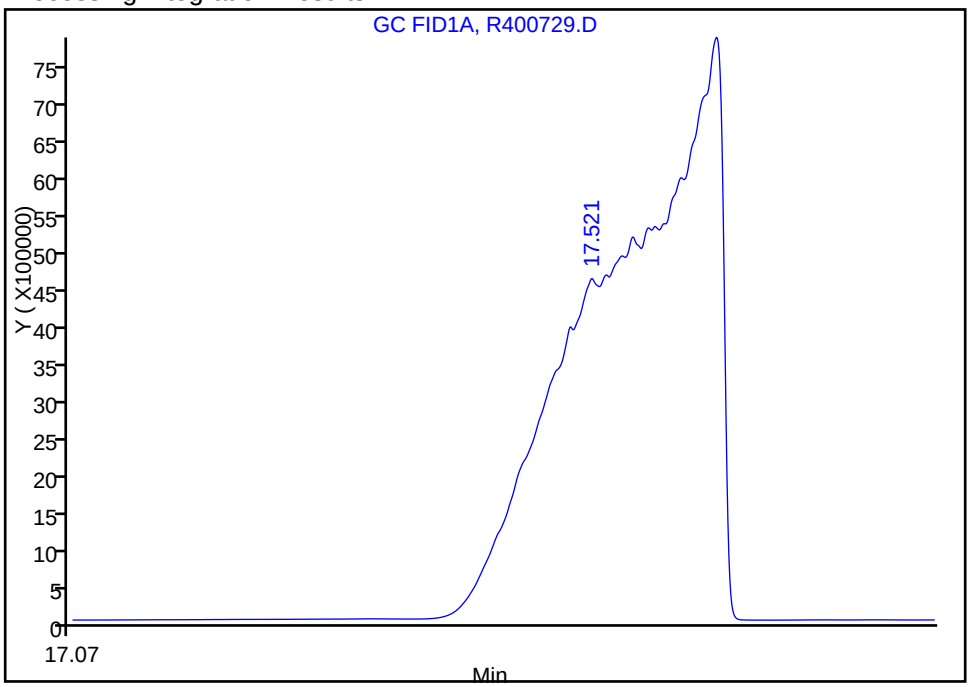
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

29 Benzo[b]fluoranthene, Signal: 1, Type: quant, RT: 17.43, Det: GC FID1A

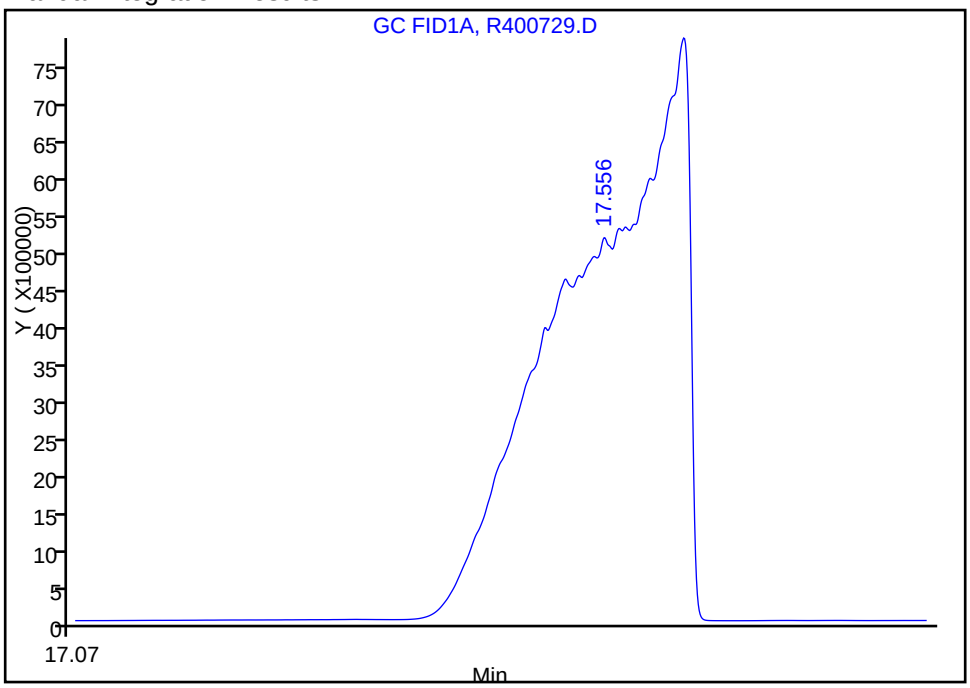
Processing Integration Results

RT: 17.52
Response: 16960952
Amount: 150.4847



Manual Integration Results

RT: 17.56
Response: 26645481
Amount: 191.6333



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Split Peak

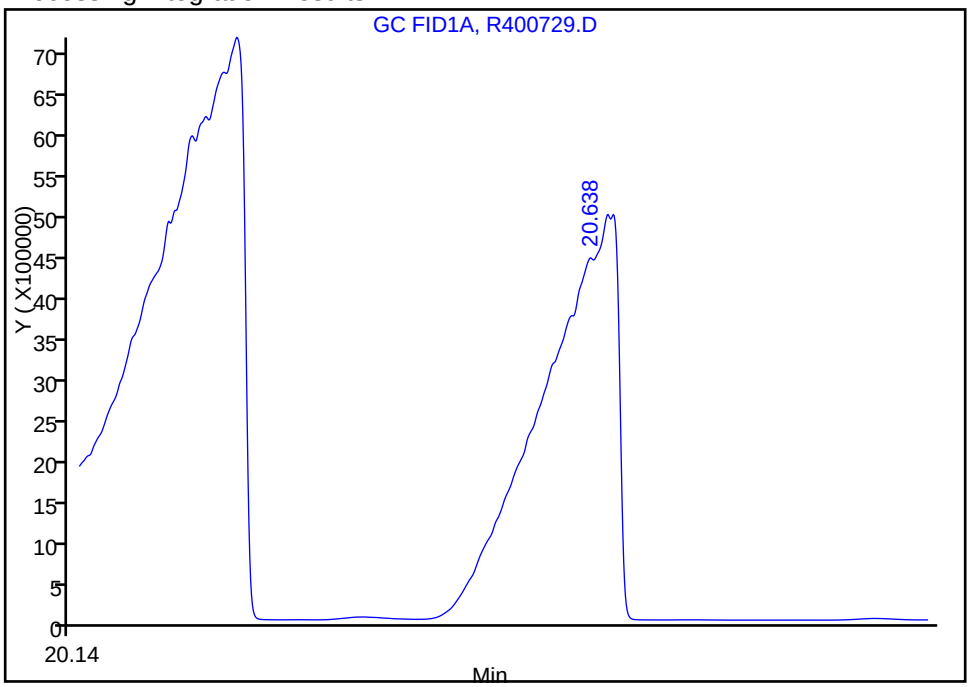
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

36 Benzo[g,h,i]perylene, Signal: 1, Type: quant, RT: 20.48, Det: GC FID1A

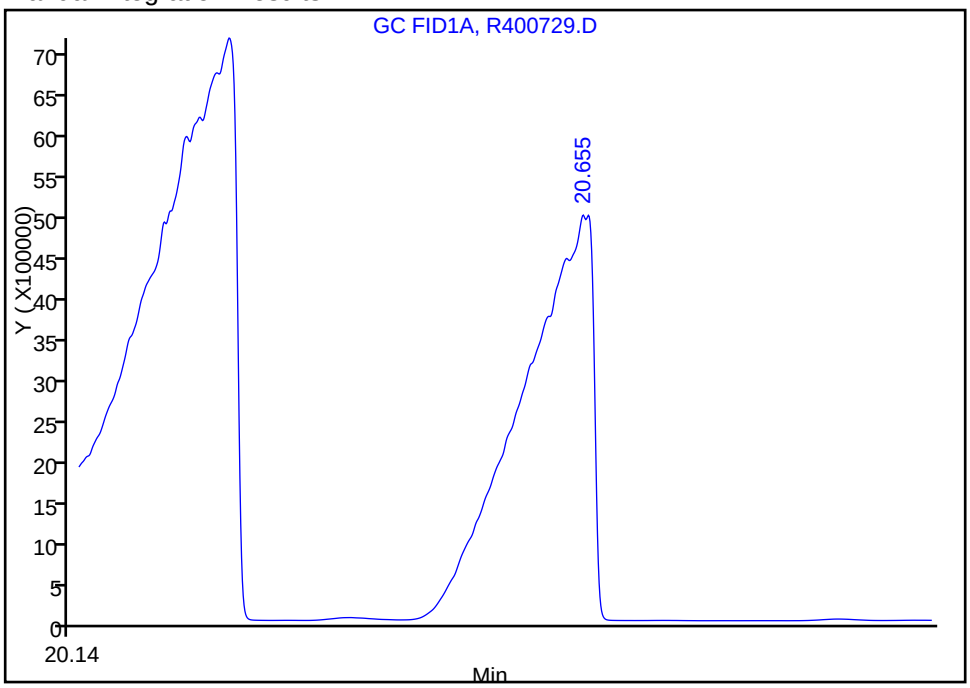
Processing Integration Results

RT: 20.64
Response: 17526649
Amount: 195.8829



Manual Integration Results

RT: 20.65
Response: 25161350
Amount: 201.5884



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

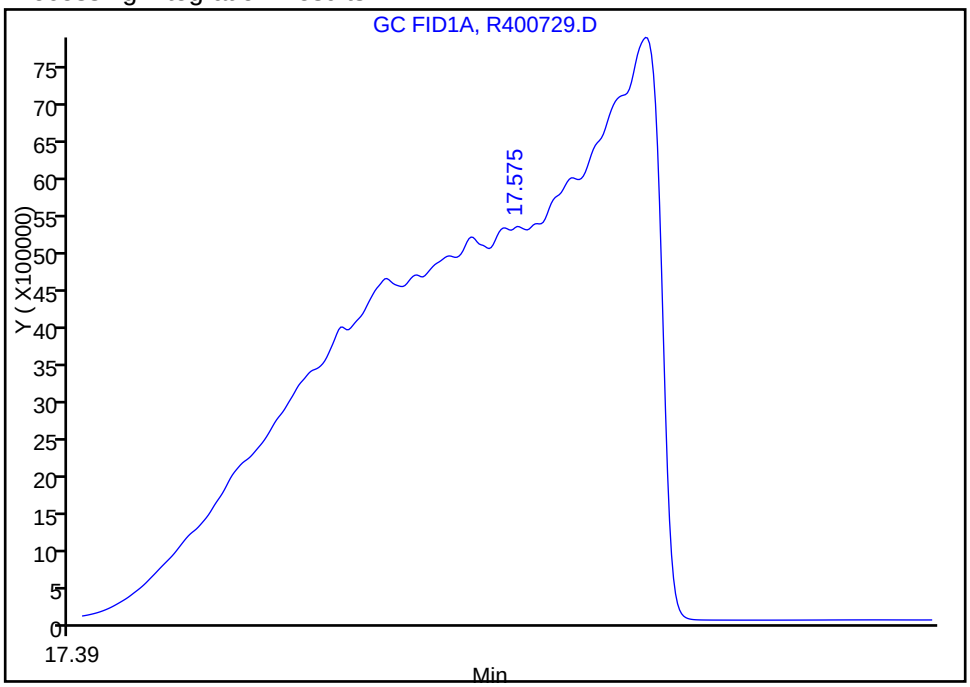
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

30 Benzo[k]fluoranthene, Signal: 1, Type: quant, RT: 17.48, Det: GC FID1A

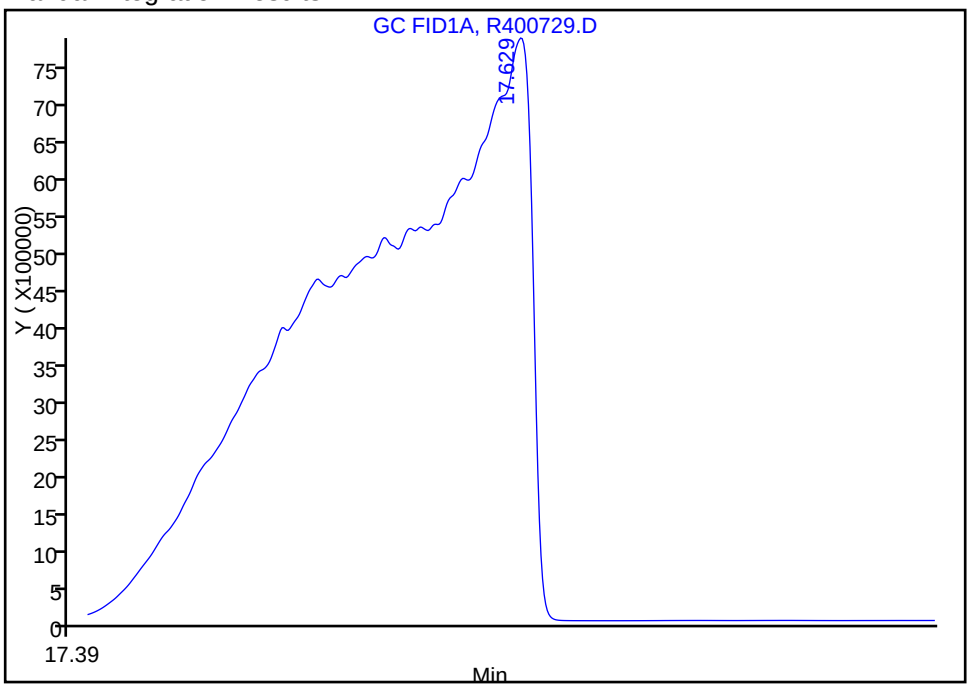
Processing Integration Results

RT: 17.57
Response: 4923532
Amount: 23.493863



Manual Integration Results

RT: 17.63
Response: 25896085
Amount: 194.0889



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 82885

SDG No.: 360-37847

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16339

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82885/2	R400713.D
Level 2	STD05 360-82885/3	R400715.D
Level 3	STD1 360-82885/4	R400717.D
Level 4	STD5 360-82885/5	R400719.D
Level 5	STD10 360-82885/6	R400721.D
Level 6	STD25 360-82885/7	R400723.D
Level 7	STD50 360-82885/1	R400725.D
Level 8	STD100 360-82885/8	R400727.D
Level 9	STD200 360-82885/9	R400729.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8	LVL 9		RT WINDOW	AVG RT
n-Nonane	3.315	3.316	3.316	3.317	3.317	3.318	3.322	3.327	3.332		3.217 - 3.417	3.320
n-Decane	4.118	4.119	4.120	4.119	4.121	4.122	4.127	4.132	4.142		4.019 - 4.219	4.124
Dodecane	5.681	5.681	5.681	5.681	5.682	5.683	5.687	5.692	5.700		5.581 - 5.781	5.685
C9-C18 Aliphatics				7.278	7.269	7.269	7.278	7.269	7.269		3.217 - 11.322	7.272
n-Tetradecane	7.340	7.344	7.341	7.342	7.343	7.345	7.350	7.355	7.367		7.242 - 7.442	7.347
Hexadecane	9.246	9.246	9.245	9.246	9.246	9.251	9.255	9.266	9.280		9.146 - 9.346	9.253
n-Octadecane	11.223	11.225	11.221	11.222	11.223	11.230	11.235	11.246	11.265		11.122 - 11.322	11.232
C19	12.189	12.192	12.191	12.192	12.194	12.198	12.205	12.217	12.239		12.092 - 12.292	12.202
icosane	13.133	13.135	13.133	13.135	13.136	13.142	13.148	13.163	13.185		13.035 - 13.235	13.146
n-Docosane	14.928	14.930	14.925	14.927	14.928	14.935	14.942	14.959	14.979		14.827 - 15.027	14.939
n-Tetracosane	16.593	16.593	16.591	16.592	16.594	16.600	16.607	16.623	16.645		16.492 - 16.692	16.604
n-Hexacosane	18.139	18.139	18.134	18.139	18.138	18.147	18.155	18.171	18.191		18.039 - 18.239	18.150
C19-C36 Aliphatics				18.538	18.544	18.544	18.564	18.544	18.544		11.322 - 25.765	18.546
n-Octacosane	19.577	19.575	19.576	19.577	19.579	19.583	19.592	19.607	19.630		19.477 - 19.677	19.588
Triacontane	20.919	20.916	20.914	20.918	20.920	20.926	20.937	20.954	20.977		20.818 - 21.018	20.931
n-Hexatriacontane	25.486	25.515	25.510	25.512	25.519	25.527	25.541	25.568	25.616		25.412 - 25.612	25.533
1-Chlorooctadecane	13.977	13.980	13.979	13.980	13.981	13.984	13.993	14.007	14.026		13.880 - 14.080	13.990

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 82885

SDG No.: 360-37847

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16339

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82885/2	R400713.D
Level 2	STD05 360-82885/3	R400715.D
Level 3	STD1 360-82885/4	R400717.D
Level 4	STD5 360-82885/5	R400719.D
Level 5	STD10 360-82885/6	R400721.D
Level 6	STD25 360-82885/7	R400723.D
Level 7	STD50 360-82885/1	R400725.D
Level 8	STD100 360-82885/8	R400727.D
Level 9	STD200 360-82885/9	R400729.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
n-Nonane	456890 180909 176777	189006 175094	191340 185909	201737 182111	Lin1	24457.3774	179183.947							0.9990		0.9900
n-Decane	275030 186612 182506	177902 180153	198910 191207	208092 187966	Ave		198708.609				15.0		25.0			
Dodecane	214020 185272 181278	163898 179132	193561 191166	206428 186615	Ave		189041.031				7.9		25.0			
C9-C18 Aliphatics	 276760 189012	238121	228490	442927 194061	Lin1	7327623.85	185232.509							0.9970		0.9900
n-Tetradecane	288680 180416 175902	173352 175106	195113 186465	201806 180729	Lin2	10431.3842	179783.263							0.9950		0.9900
Hexadecane	219240 178381 174420	158842 172982	188032 185363	199426 178834	Ave		183946.688				9.4		25.0			
n-Octadecane	225440 175195 171191	158126 170837	186018 182747	196246 175799	Ave		182399.936				11.0		25.0			
C19	206050 172327 168826	153526 168155	181606 180103	192576 173084	Ave		177361.527				8.6		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 82885

SDG No.: 360-37847

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16339

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
icosane	221480 171834 157116	152042 165404	179530 178284	190162 166394	Ave		175805.081				12.0		25.0			
n-Docosane	214730 170775 162382	155450 166205	181581 173760	191565 163604	Ave		175561.298				10.0		25.0			
n-Tetracosane	232280 169594 162954	155662 166261	185952 174453	190948 166669	Ave		178308.128				13.0		25.0			
n-Hexacosane	328970 170775 165811	168958 168136	196881 178366	193968 169758	Lin1	16630.0871	168799.658							0.9990		0.9900
C19-C36 Aliphatics	217612 169206	200356	188987	295500 175182	Lin1	5038841.56	168441.258							0.9990		0.9900
n-Octacosane	298340 170364 167596	164868 168860	195174 177827	192946 170779	Lin2	12214.3922	171487.433							0.9930		0.9900
Triacontane	249730 170041 169271	155850 167432	186927 177735	191570 171923	Ave		182275.375				15.0		25.0			
n-Hexatriacontane	184440 147636 138649	160840 141465	158822 138648	163305 138515	Ave		152480.161				10.0		25.0			
1-Chlorooctadecane	191770 149364 139359	133362 145671	157720 153388	167191 142269	Ave		153343.623				11.0		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 82885

SDG No.: 360-37847

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16339

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82885/2	R400713.D
Level 2	STD05 360-82885/3	R400715.D
Level 3	STD1 360-82885/4	R400717.D
Level 4	STD5 360-82885/5	R400719.D
Level 5	STD10 360-82885/6	R400721.D
Level 6	STD25 360-82885/7	R400723.D
Level 7	STD50 360-82885/1	R400725.D
Level 8	STD100 360-82885/8	R400727.D
Level 9	STD200 360-82885/9	R400729.D

ANALYTE	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-Nonane	Lin1	45689 4377354	94503 9295434	191340 18211050	1008687 35355401	1809092	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Decane	Ave	27503 4503826	88951 9560336	198910 18796584	1040458 36501217	1866122	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Dodecane	Ave	21402 4478288	81949 9558276	193561 18661498	1032141 36255572	1852722	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C9-C18 Aliphatics	Lin1	 35718196	 68546958	 116436741	13287798 226814494	16605628	 150	 300	 600	30.0 1200	60.0
n-Tetradecane	Lin2	28868 4377639	86676 9323243	195113 18072917	1009032 35180388	1804162	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Hexadecane	Ave	21924 4324561	79421 9268169	188032 17883375	997130 34884004	1783806	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Octadecane	Ave	22544 4270937	79063 9137355	186018 17579906	981231 34238156	1751948	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C19	Ave	20605 4203875	76763 9005170	181606 17308446	962882 33765177	1723266	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
icosane	Ave	22148 4135090	76021 8914211	179530 16639428	950809 31423185	1718339	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Docosane	Ave	21473 4155128	77725 8687987	181581 16360413	957825 32476339	1707750	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Tetracosane	Ave	23228 4156516	77831 8722666	185952 16666913	954740 32590752	1695943	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Hexacosane	Lin1	32897 4203409	84479 8918317	196881 16975846	969840 33162196	1707752	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C19-C36 Aliphatics	Lin1	 40071233	 75594611	 140145386	11820018 270729533	17408993	 200	 400	 800	40.0 1600	80.0
n-Octacosane	Lin2	29834 4221496	82434 8891374	195174 17077930	964729 33519195	1703640	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37847-1 Analy Batch No.: 82885

SDG No.: 360-37847

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16339

ANALYTE	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
Triacontane	Ave	24973 4185801	77925 8886731	186927 17192252	957852 33854159	1700410	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Hexatriacontane	Ave	18444 3536636	80420 6932405	158822 13851517	816525 27729888	1476363	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
1-Chlorooctadecane	Ave	19177 3641764	66681 7669384	157720 14226897	835953 27871700	1493643	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc
Lin2 = Linear 1/conc^2

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D		
Lims ID:	std50	Client ID:	
Inject. Date:	04-Nov-2011 18:55:49	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	7
Sample ID:	std50		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	82885	Lims Sample ID:	1
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:40:24	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.944	5.944	0.000	7170019	53.5	
$ 2 2-Bromonaphthalene						
1	6.805	6.805	0.000	4779655	53.9	
$ 3 o-Terphenyl						
1	10.413	10.413	0.000	8717574	48.8	
$ 4 1-Chlorooctadecane						
2	13.993	13.993	0.000	7669384	50.0	
5 n-Nonane						
2	3.322	3.322	0.000	9295434	51.7	
6 n-Decane						
2	4.127	4.127	0.000	9560336	48.1	
7 Naphthalene						
1	4.700	4.700	0.000	9168968	51.8	
8 2-Methylnaphthalene						
1	5.470	5.470	0.000	8876927	51.7	
9 Dodecane						
2	5.687	5.687	0.000	9558276	50.6	
11 Acenaphthylene						
1	6.618	6.618	0.000	8785393	49.1	
12 Acenaphthene						
1	6.897	6.897	0.000	8820338	49.5	
15 n-Tetradecane						
2	7.350	7.350	0.000	9323243	51.8	
14 Fluorene						
1	7.711	7.711	0.000	8706313	50.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.255	9.255	0.000	9268169	50.4	
16 Phenanthrene						
1	9.462	9.462	0.000	8306539	50.2	
17 Anthracene						
1	9.554	9.554	0.000	8160943	52.8	
20 n-Octadecane						
2	11.235	11.235	0.000	9137355	50.1	
19 Fluoranthene						
1	11.957	11.957	0.000	7972047	50.5	
22 C19						
2	12.205	12.205	0.000	9005170	50.8	
21 Pyrene						
1	12.420	12.420	0.000	8369046	49.7	
23 icosane						
2	13.148	13.148	0.000	8914211	50.7	
27 n-Docosane						
2	14.942	14.942	0.000	8687987	49.5	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	7335836	52.3	
25 Chrysene						
1	15.245	15.245	0.000	7654542	52.8	
28 n-Tetracosane						
2	16.607	16.607	0.000	8722666	48.9	
29 Benzo[b]fluoranthene						
1	17.472	17.472	0.000	7176927	51.6	
30 Benzo[k]fluoranthene						
1	17.534	17.534	0.000	7420303	55.3	
31 Benzo[a]pyrene						
1	18.090	18.090	0.000	7396842	52.2	
32 n-Hexacosane						
2	18.155	18.155	0.000	8918317	52.7	
35 n-Octacosane						
2	19.592	19.592	0.000	8891374	51.8	
33 Indeno[1,2,3-cd]pyrene						
1	20.126	20.126	0.000	6798127	53.0	
34 Dibenz(a,h)anthracene						
1	20.196	20.196	0.000	6258006	50.0	
36 Benzo[g,h,i]perylene						
1	20.545	20.545	0.000	6392453	51.1	
37 Triacontane						
2	20.937	20.937	0.000	8886731	48.8	
38 n-Hexatriacontane						M
2	25.541	25.541	0.000	6932405	45.5	M
A 39 C9-C18 Aliphatics						
2	7.278	3.222 - 11.335		68546958	330.5	
A 40 C11-C22 Aromatics						
1	12.771	4.600 - 20.986		136971940	379.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.564	11.335	-25.742	75594611	418.9	
S 44 EPH Adjustment 1						
1					771.0	
S 42 C11-C22 Aromatics (Adjusted)						
2					107.6	
S 43 Total EPH						
2					857.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:40:26 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D

Injection Date:	04-Nov-2011 18:55:49	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	1
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Nov-2011 10:40:26 Chrom Revision: 2.0 29-Sep-2011 09:38:02

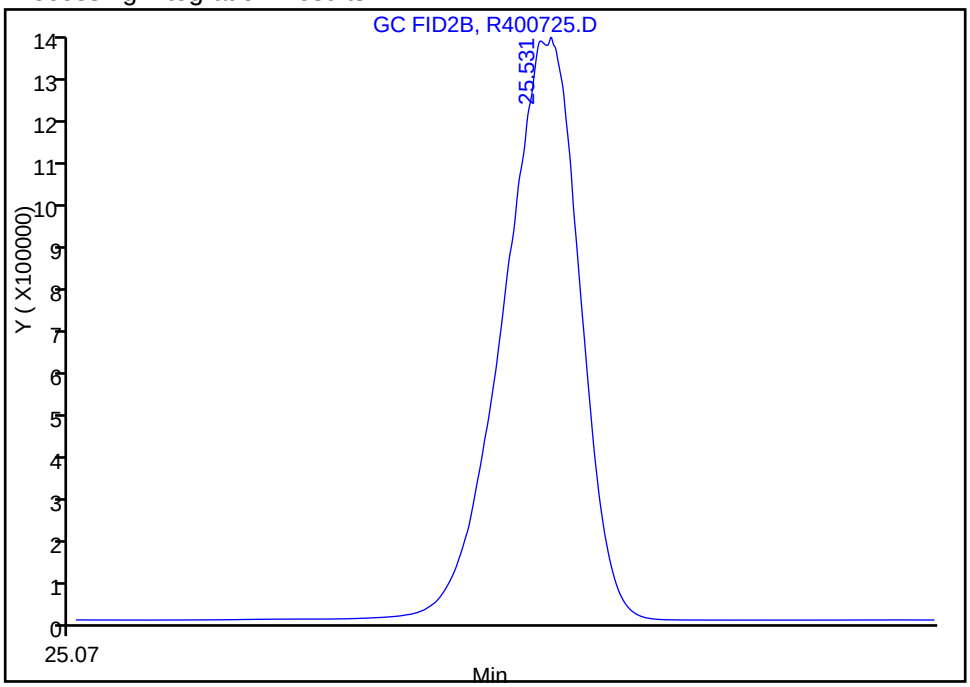
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D		
Injection Date:	04-Nov-2011 18:55:49	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	1
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.54, Det: GC FID2B

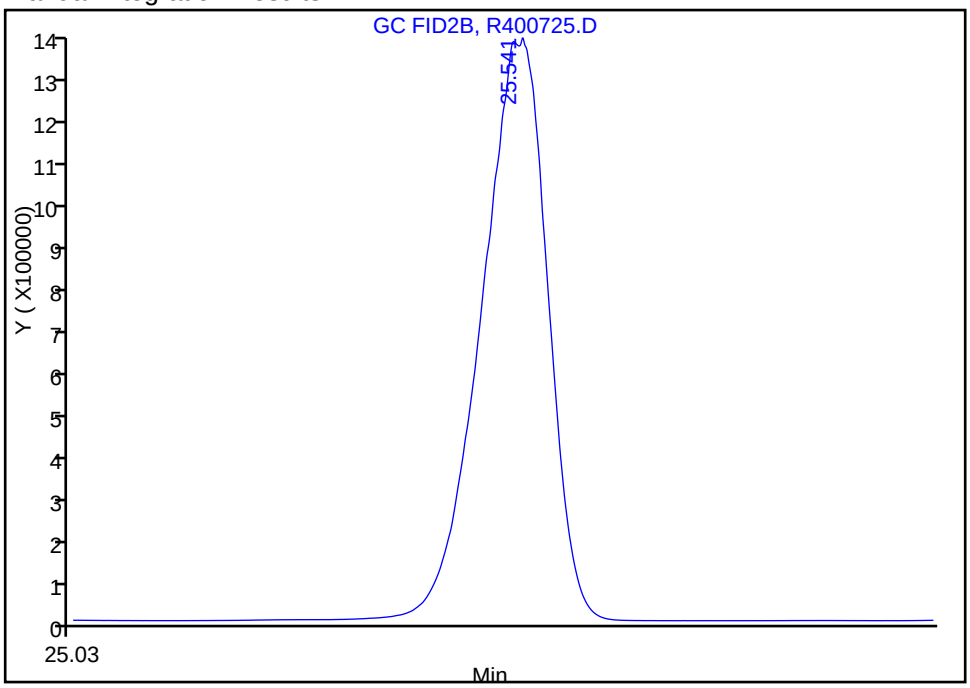
Processing Integration Results

RT: 25.53
Response: 1015796
Amount: 10.444685



Manual Integration Results

RT: 25.54
Response: 6932405
Amount: 45.464308



Reviewer: malanowskiv, 06-Nov-2011 11:58:13
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Lims ID:	std01	Client ID:	
Inject. Date:	04-Nov-2011 15:33:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	std01		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	82885	Lims Sample ID:	2
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:38:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	18282	0.1781	
$ 2 2-Bromonaphthalene						
1	6.797	6.807	-0.010	11706	0.1714	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	25354	0.1419	
$ 4 1-Chlorooctadecane						
2	13.977	13.989	-0.012	19177	0.1251	
5 n-Nonane						
2	3.315	3.320	-0.005	45689	0.1185	
6 n-Decane						
2	4.118	4.125	-0.007	27503	0.1384	
7 Naphthalene						
1	4.694	4.701	-0.007	19532	0.1103	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	18000	0.1049	
9 Dodecane						M
2	5.681	5.685	-0.004	21402	0.1132	M
11 Acenaphthylene						
1	6.604	6.620	-0.016	24837	0.1389	
12 Acenaphthene						
1	6.881	6.900	-0.019	23043	0.1293	
15 n-Tetradecane						
2	7.340	7.345	-0.005	28868	0.1025	
14 Fluorene						
1	7.695	7.711	-0.016	18975	0.1097	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	21924	0.1192	
16 Phenanthrene						
1	9.440	9.463	-0.023	21489	0.1299	
17 Anthracene						
1	9.531	9.555	-0.024	32084	0.1001	
20 n-Octadecane						
2	11.223	11.231	-0.008	22544	0.1236	
19 Fluoranthene						
1	11.927	11.959	-0.032	19850	0.1258	
22 C19						
2	12.189	12.202	-0.013	20605	0.1162	
21 Pyrene						
1	12.388	12.421	-0.033	20413	0.1213	
23 icosane						
2	13.133	13.145	-0.012	22148	0.1260	
27 n-Docosane						
2	14.928	14.940	-0.012	21473	0.1223	
24 Benzo[a]anthracene						
1	15.116	15.147	-0.031	27383	0.1182	
25 Chrysene						
1	15.203	15.245	-0.042	28963	0.0916	
28 n-Tetracosane						
2	16.593	16.605	-0.012	23228	0.1303	
29 Benzo[b]fluoranthene						
1	17.434	17.471	-0.037	29625	0.1247	
30 Benzo[k]fluoranthene						
1	17.473	17.537	-0.064	80561	0.1598	
31 Benzo[a]pyrene						
1	18.044	18.091	-0.047	28735	0.1087	
32 n-Hexacosane						
2	18.139	18.150	-0.011	32897	0.0964	
35 n-Octacosane						
2	19.577	19.586	-0.009	29834	0.1027	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.124	-0.051	40698	0.1742	
34 Dibenz(a,h)anthracene						
1	20.141	20.237	-0.096	38971	0.1495	
36 Benzo[g,h,i]perylene						
1	20.473	20.473	0.000	41002	0.1722	
37 Triacontane						
2	20.919	20.932	-0.013	24973	0.1370	
38 n-Hexatriacontane						M
2	25.486	25.525	-0.039	18444	0.1210	M
S 43 Total EPH						
2					-1.85	
S 42 C11-C22 Aromatics (Adjusted)						
2					1.85	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					1.85	

QC Flag Legend

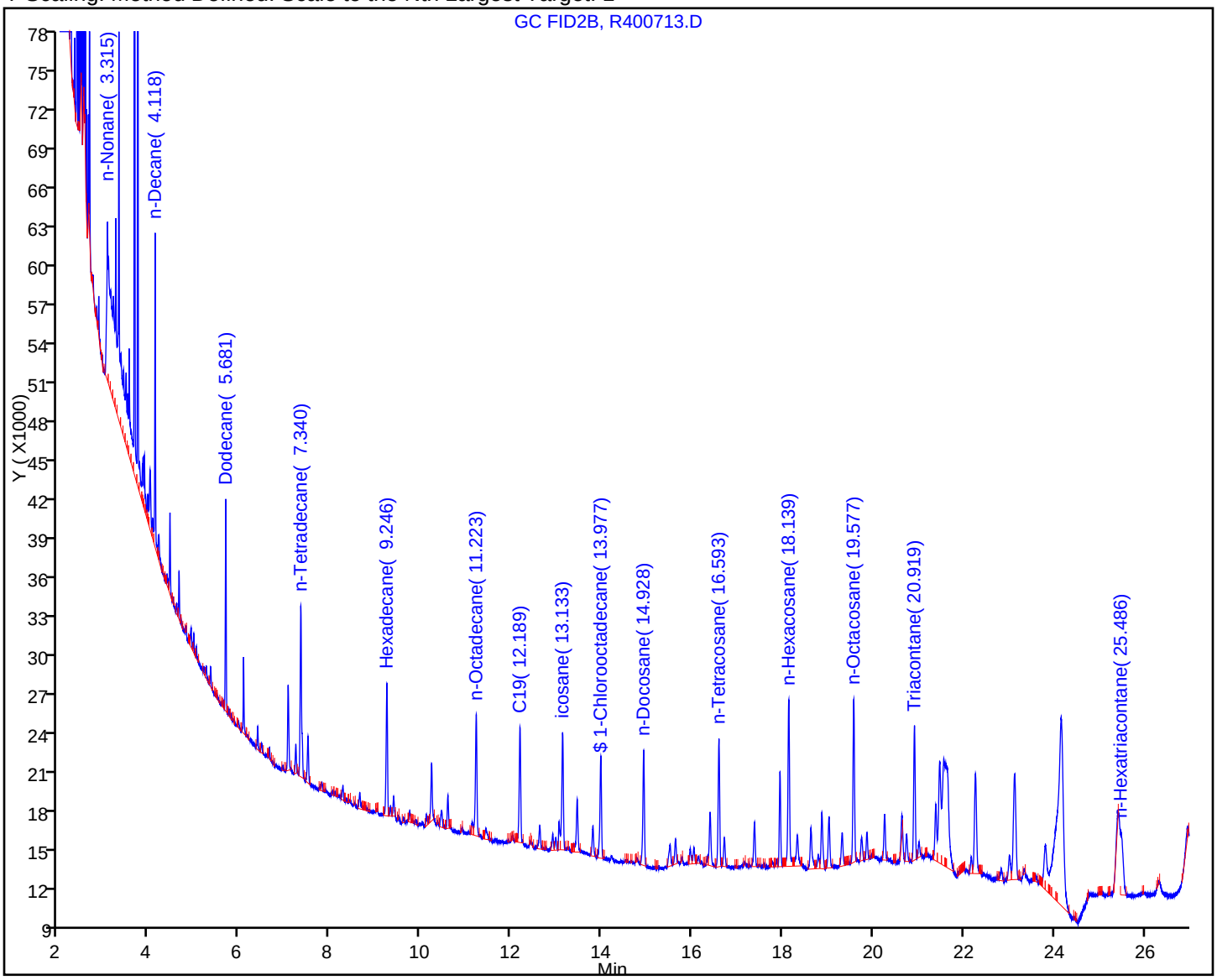
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:38:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D

Injection Date:	04-Nov-2011 15:33:45	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Nov-2011 10:38:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02

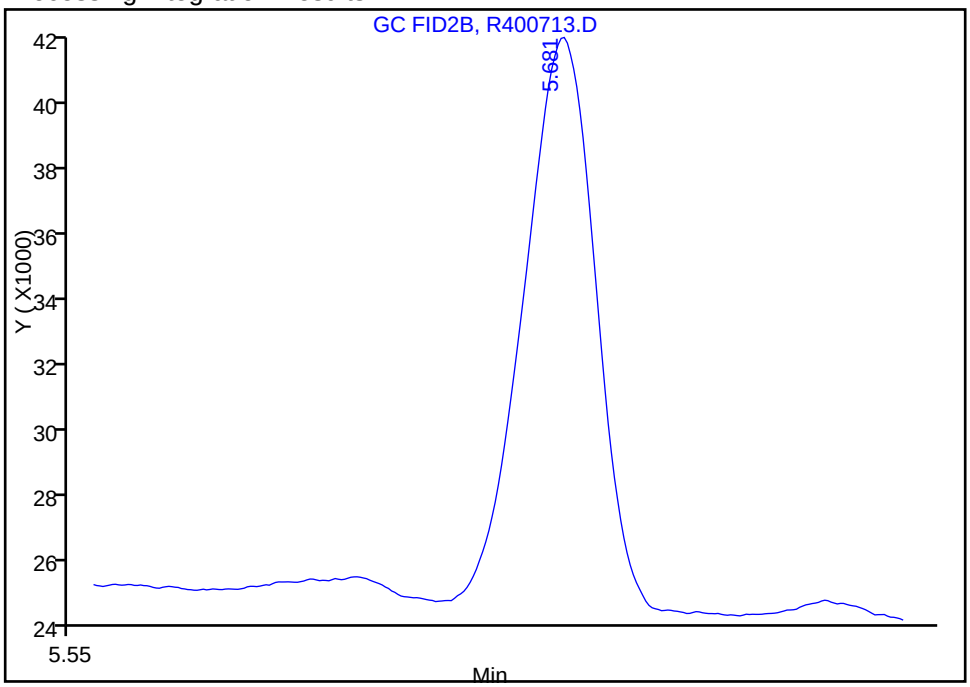
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Injection Date:	04-Nov-2011 15:33:45	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	1.00 ul

9 Dodecane, Signal: 1, Type: quant, RT: 5.68, Det: GC FID2B

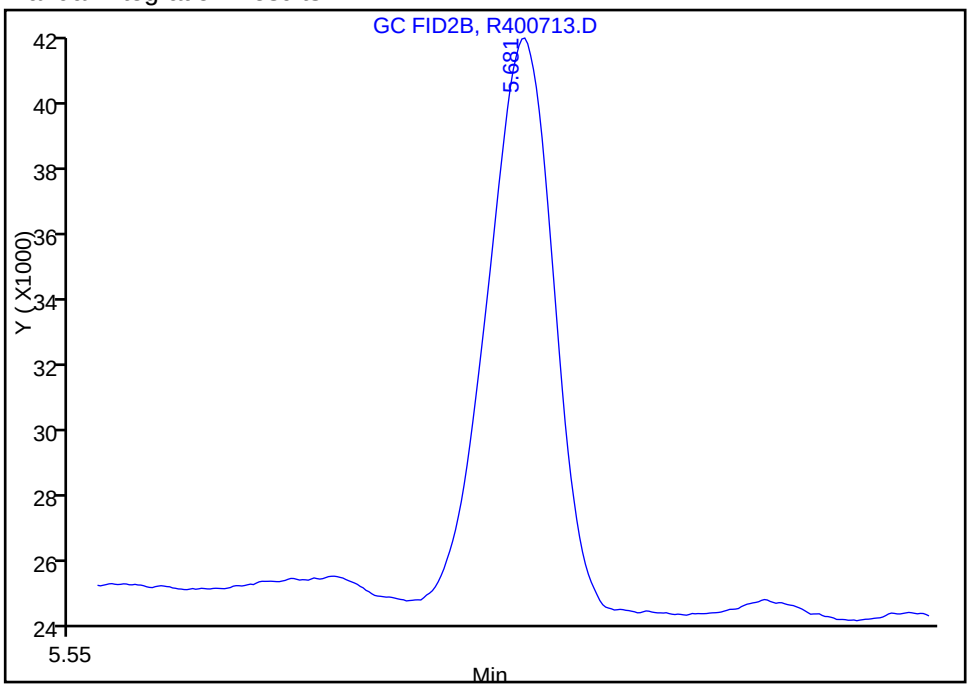
Processing Integration Results

RT: 5.68
Response: 12195
Amount: 0.100000



Manual Integration Results

RT: 5.68
Response: 21402
Amount: 0.113214



Reviewer: malanowskiv, 06-Nov-2011 12:03:33
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:38:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02

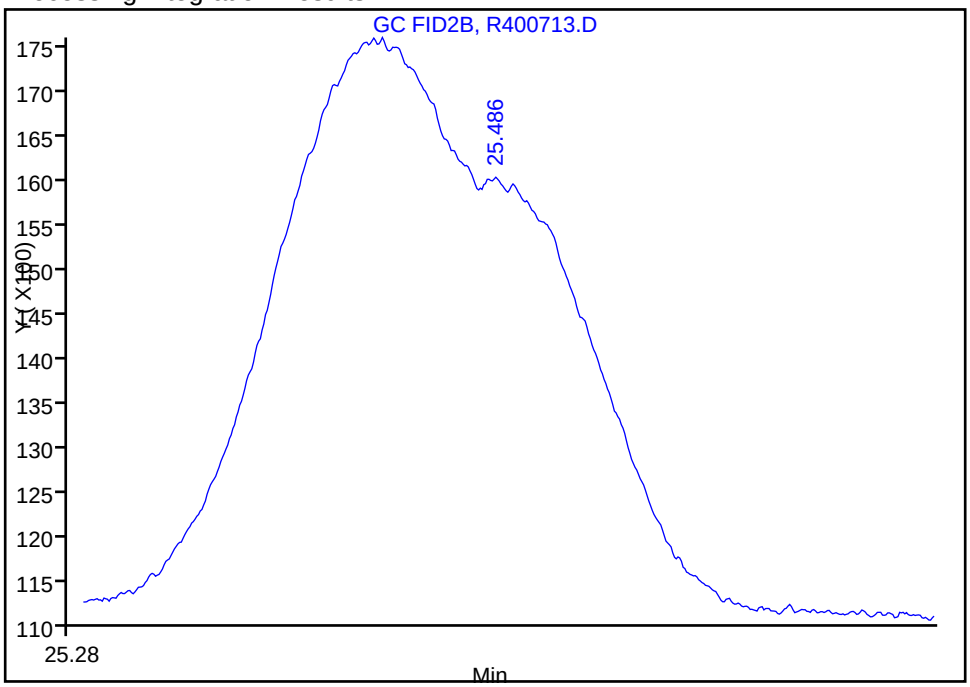
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Injection Date:	04-Nov-2011 15:33:45	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

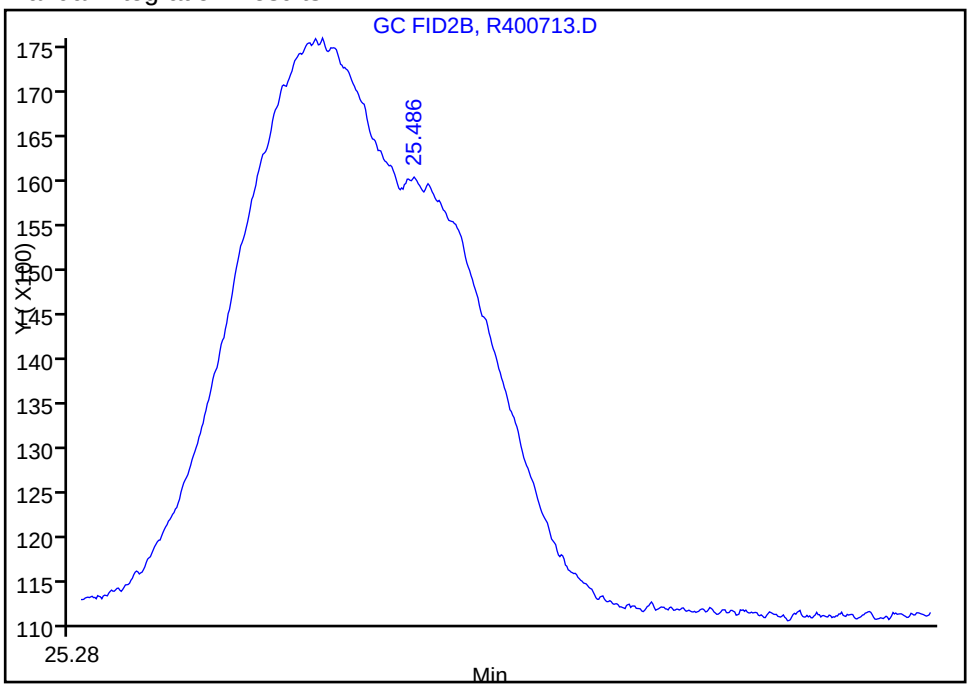
Processing Integration Results

RT: 25.49
Response: 265
Amount: 0.046840



Manual Integration Results

RT: 25.49
Response: 18444
Amount: 0.120960



Reviewer: malanowskiv, 06-Nov-2011 12:03:50
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Lims ID:	std05	Client ID:	
Inject. Date:	04-Nov-2011 16:07:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	std05		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	82885	Lims Sample ID:	3
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:21	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:21

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	74812	0.6280	
$ 2 2-Bromonaphthalene						
1	6.795	6.807	-0.012	47825	0.6068	
$ 3 o-Terphenyl						
1	10.392	10.414	-0.022	96457	0.5397	
$ 4 1-Chlorooctadecane						
2	13.980	13.989	-0.009	66681	0.4348	
5 n-Nonane						
2	3.316	3.320	-0.004	94503	0.3909	
6 n-Decane						
2	4.119	4.125	-0.006	88951	0.4476	
7 Naphthalene						
1	4.694	4.701	-0.007	96134	0.5429	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	96856	0.5644	
9 Dodecane						M
2	5.681	5.685	-0.004	81949	0.4335	M
11 Acenaphthylene						
1	6.605	6.620	-0.015	97461	0.5449	
12 Acenaphthene						
1	6.882	6.900	-0.018	97425	0.5465	
15 n-Tetradecane						
2	7.344	7.345	-0.001	86676	0.4241	
14 Fluorene						
1	7.693	7.711	-0.018	101986	0.5896	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	79421	0.4318	
16 Phenanthrene						
1	9.439	9.463	-0.024	86158	0.5207	
17 Anthracene						
1	9.527	9.555	-0.028	93698	0.4994	
20 n-Octadecane						
2	11.225	11.231	-0.006	79063	0.4335	
19 Fluoranthene						
1	11.928	11.959	-0.031	83895	0.5318	
22 C19						
2	12.192	12.202	-0.010	76763	0.4328	
21 Pyrene						
1	12.389	12.421	-0.032	92906	0.5522	
23 icosane						
2	13.135	13.145	-0.010	76021	0.4324	
27 n-Docosane						
2	14.930	14.940	-0.010	77725	0.4427	
24 Benzo[a]anthracene						
1	15.114	15.147	-0.033	77608	0.4771	
25 Chrysene						
1	15.204	15.245	-0.041	92076	0.5282	
28 n-Tetracosane						
2	16.593	16.605	-0.012	77831	0.4365	
29 Benzo[b]fluoranthene						
1	17.430	17.471	-0.041	77826	0.4715	
30 Benzo[k]fluoranthene						
1	17.479	17.537	-0.058	96820	0.2820	
31 Benzo[a]pyrene						M
1	18.044	18.091	-0.047	87255	0.5225	M
32 n-Hexacosane						
2	18.139	18.150	-0.011	84479	0.4019	
35 n-Octacosane						
2	19.575	19.586	-0.011	82434	0.4095	
33 Indeno[1,2,3-cd]pyrene						
1	20.072	20.124	-0.052	64477	0.3601	
34 Dibenz(a,h)anthracene						M
1	20.145	20.237	-0.092	71105	0.4073	M
36 Benzo[g,h,i]perylene						
1	20.478	20.473	0.005	64698	0.3622	
37 Triacontane						
2	20.916	20.932	-0.016	77925	0.4275	
38 n-Hexatriacontane						
2	25.515	25.525	-0.010	80420	0.5274	
S 44 EPH Adjustment 1						
1					7.54	
S 42 C11-C22 Aromatics (Adjusted)						
2					7.54	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 43 Total EPH						
2					-7.54	

QC Flag Legend

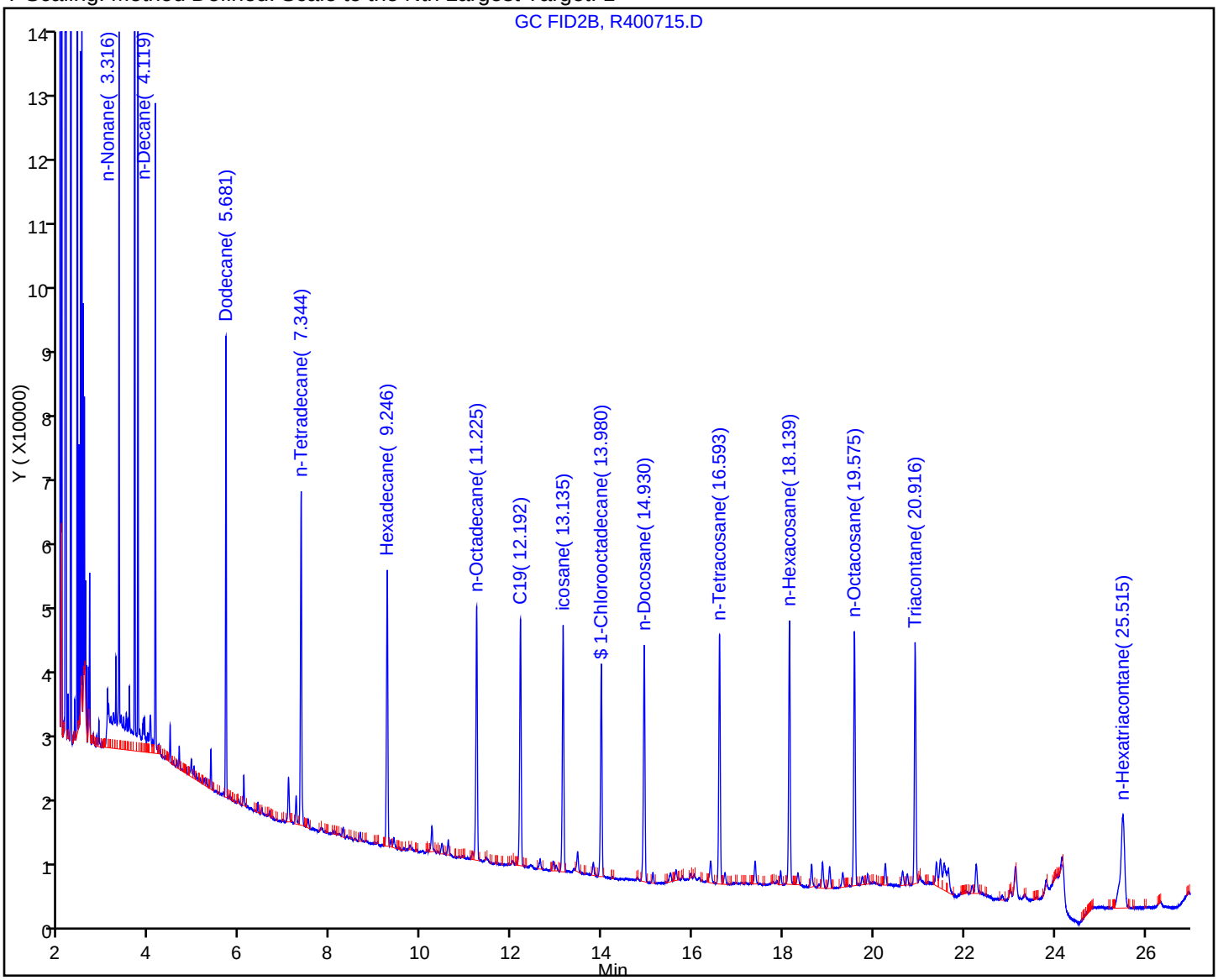
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:23 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D

Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Nov-2011 10:39:23 Chrom Revision: 2.0 29-Sep-2011 09:38:02

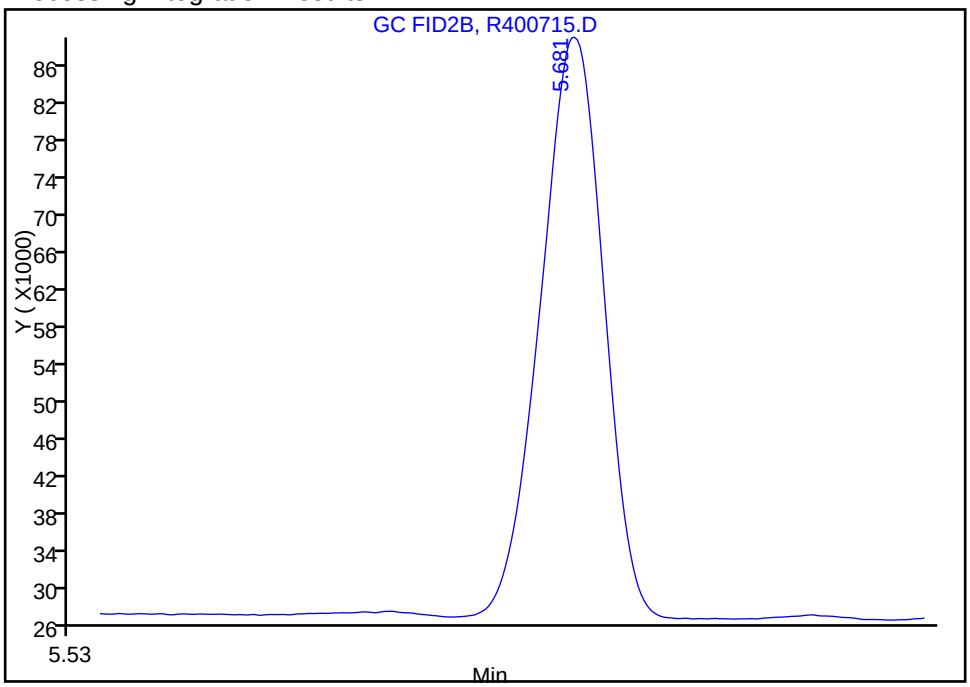
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

9 Dodecane, Signal: 1, Type: quant, RT: 5.68, Det: GC FID2B

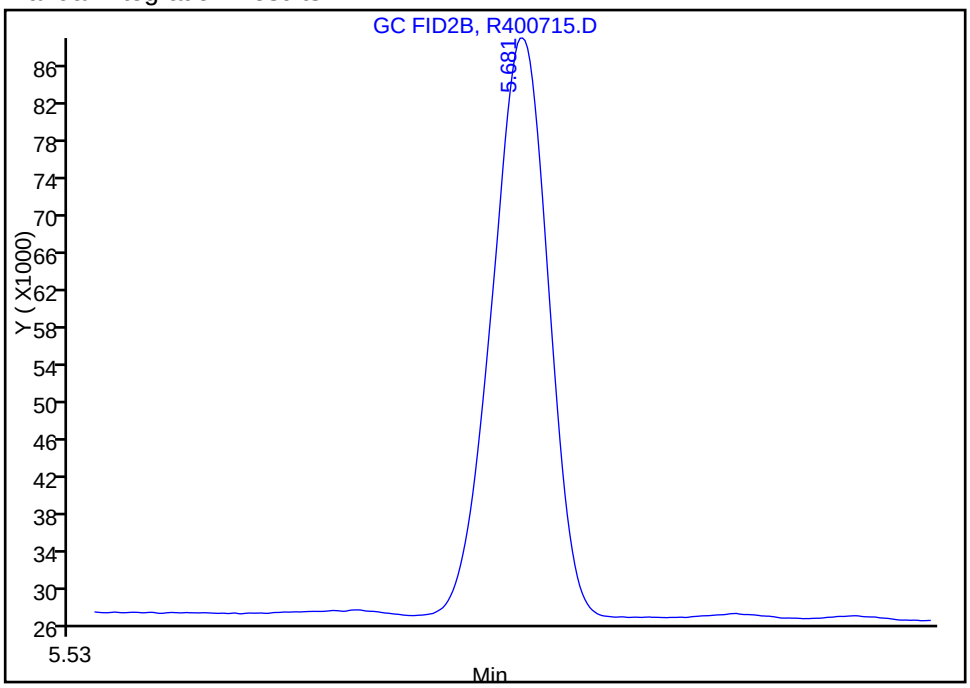
Processing Integration Results

RT: 5.68
Response: 44071
Amount: 0.265476



Manual Integration Results

RT: 5.68
Response: 81949
Amount: 0.433498



Reviewer: malanowskiv, 06-Nov-2011 12:05:21
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Lims ID:	std1	Client ID:	
Inject. Date:	04-Nov-2011 16:41:15	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	std1		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	82885	Lims Sample ID:	4
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:43	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:30

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.936	5.946	-0.010	136417	1.02	
$ 2 2-Bromonaphthalene						
1	6.794	6.807	-0.013	90928	1.02	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	178742	1.00	
$ 4 1-Chlorooctadecane						
2	13.979	13.989	-0.010	157720	1.03	
5 n-Nonane						
2	3.316	3.320	-0.004	191340	0.9313	
6 n-Decane						
2	4.120	4.125	-0.005	198910	1.00	
7 Naphthalene						
1	4.694	4.701	-0.007	174008	0.9827	
8 2-Methylnaphthalene						
1	5.461	5.471	-0.010	172711	1.01	
9 Dodecane						
2	5.681	5.685	-0.004	193561	1.02	
11 Acenaphthylene						
1	6.604	6.620	-0.016	173931	0.9724	
12 Acenaphthene						
1	6.881	6.900	-0.019	182766	1.03	
15 n-Tetradecane						
2	7.341	7.345	-0.004	195113	1.03	
14 Fluorene						
1	7.693	7.711	-0.018	178603	1.03	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.245	9.253	-0.008	188032	1.02	
16 Phenanthrene						
1	9.438	9.463	-0.025	160147	0.9679	
17 Anthracene						
1	9.526	9.555	-0.029	169140	0.9883	
20 n-Octadecane						
2	11.221	11.231	-0.010	186018	1.02	
19 Fluoranthene						
1	11.926	11.959	-0.033	153338	0.9721	
22 C19						
2	12.191	12.202	-0.011	181606	1.02	
21 Pyrene						
1	12.386	12.421	-0.035	172200	1.02	
23 icosane						
2	13.133	13.145	-0.012	179530	1.02	
27 n-Docosane						
2	14.925	14.940	-0.015	181581	1.03	
24 Benzo[a]anthracene						
1	15.113	15.147	-0.034	143301	0.9465	
25 Chrysene						
1	15.198	15.245	-0.047	166003	1.04	
28 n-Tetracosane						
2	16.591	16.605	-0.014	185952	1.04	
29 Benzo[b]fluoranthene						
1	17.426	17.471	-0.045	137895	0.9037	
30 Benzo[k]fluoranthene						
1	17.476	17.537	-0.061	170315	0.8341	
31 Benzo[a]pyrene						M
1	18.041	18.091	-0.050	150008	0.9662	M
32 n-Hexacosane						
2	18.134	18.150	-0.016	196881	1.07	
35 n-Octacosane						
2	19.576	19.586	-0.010	195174	1.07	
33 Indeno[1,2,3-cd]pyrene						
1	20.070	20.124	-0.054	119076	0.7869	
34 Dibenz(a,h)anthracene						M
1	20.140	20.237	-0.097	127477	0.8596	M
36 Benzo[g,h,i]perylene						
1	20.476	20.473	0.003	119837	0.8043	
37 Triacontane						
2	20.914	20.932	-0.018	186927	1.03	
38 n-Hexatriacontane						
2	25.510	25.525	-0.015	158822	1.04	
S 43 Total EPH						
2					-14.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					14.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					14.5	

QC Flag Legend

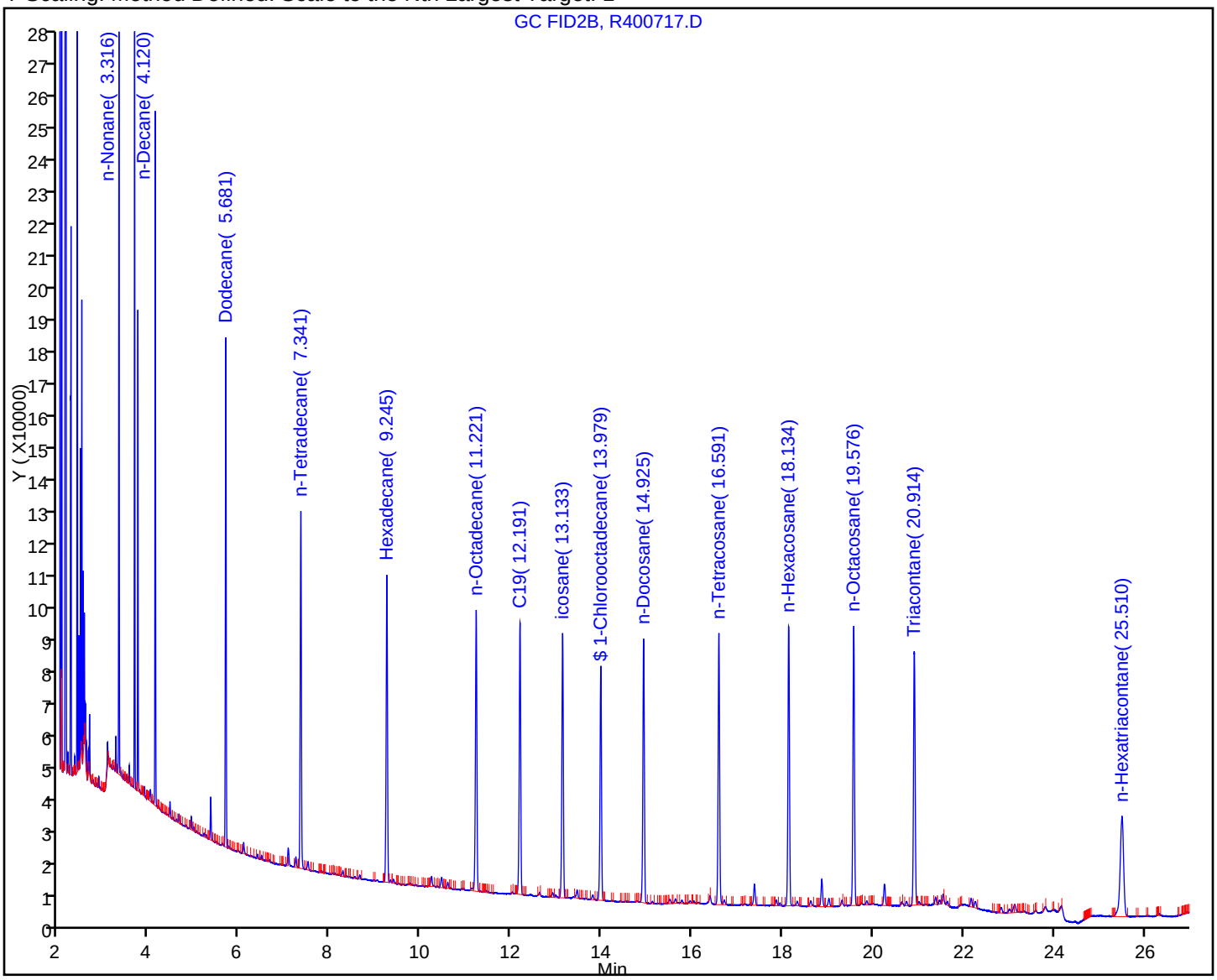
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D

Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D		
Lims ID:	std5	Client ID:	
Inject. Date:	04-Nov-2011 17:14:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	std5		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	82885	Lims Sample ID:	5
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:42:28	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

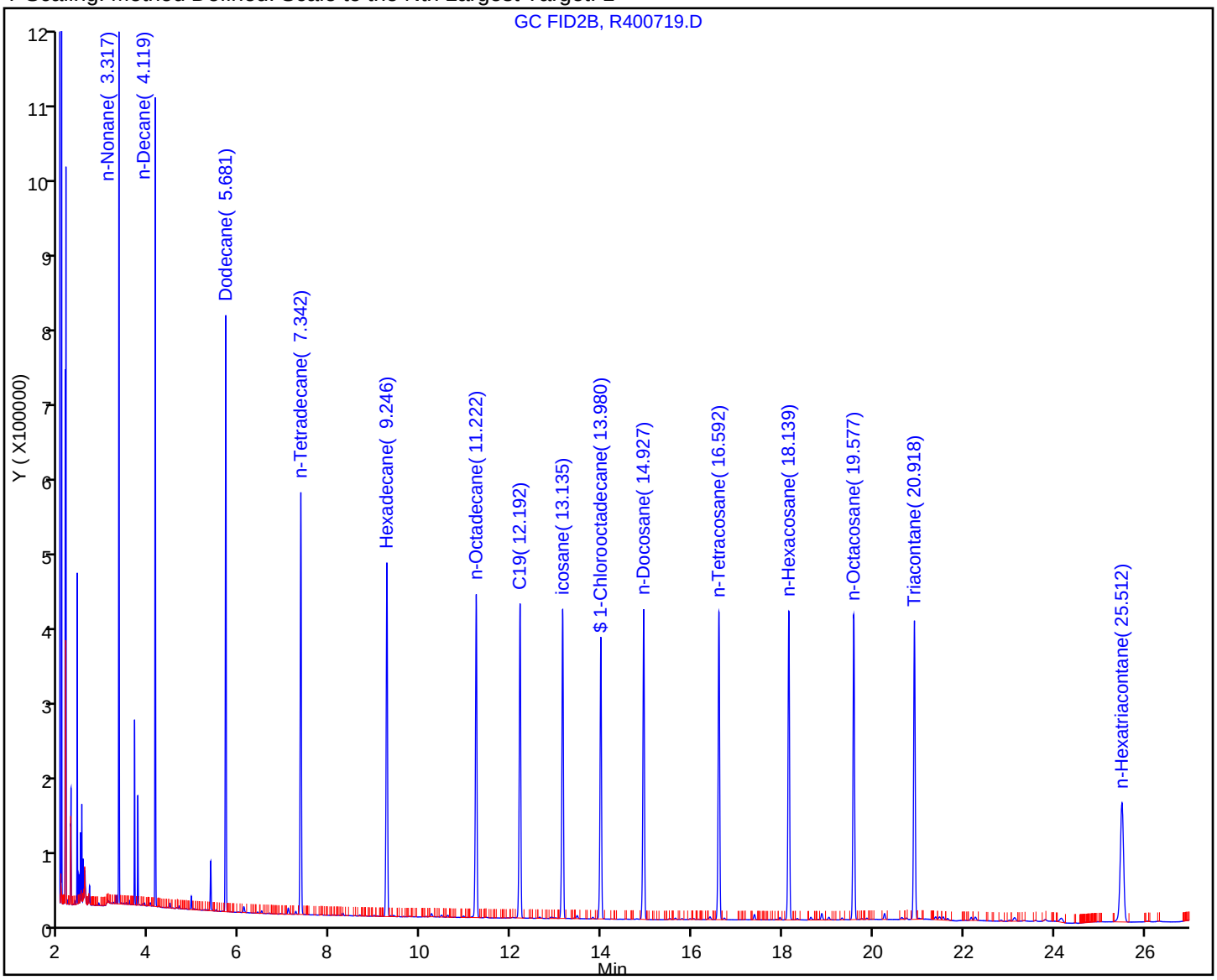
First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:37

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.937	0.000	603355	4.50	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	410427	4.63	
$ 3 o-Terphenyl						
1	10.396	10.396	0.000	760924	4.26	
$ 4 1-Chlorooctadecane						
2	13.980	13.980	0.000	835953	5.45	
5 n-Nonane						
2	3.317	3.317	0.000	1008687	5.49	
6 n-Decane						
2	4.119	4.119	0.000	1040458	5.24	
7 Naphthalene						
1	4.693	4.693	0.000	771947	4.36	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	744942	4.34	
9 Dodecane						
2	5.681	5.681	0.000	1032141	5.46	
11 Acenaphthylene						
1	6.606	6.606	0.000	756372	4.23	
12 Acenaphthene						
1	6.882	6.882	0.000	760273	4.26	
15 n-Tetradecane						
2	7.342	7.342	0.000	1009032	5.55	
14 Fluorene						
1	7.693	7.693	0.000	755459	4.37	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	997130	5.42	
16 Phenanthrene						
1	9.440	9.440	0.000	711995	4.30	
17 Anthracene						
1	9.527	9.527	0.000	729745	4.62	
20 n-Octadecane						
2	11.222	11.222	0.000	981231	5.38	
19 Fluoranthene						
1	11.930	11.930	0.000	680868	4.32	
22 C19						
2	12.192	12.192	0.000	962882	5.43	
21 Pyrene						
1	12.390	12.390	0.000	736222	4.38	
23 icosane						
2	13.135	13.135	0.000	950809	5.41	
27 n-Docosane						
2	14.927	14.927	0.000	957825	5.46	
24 Benzo[a]anthracene						
1	15.112	15.112	0.000	628333	4.41	
25 Chrysene						
1	15.202	15.202	0.000	677626	4.58	
28 n-Tetracosane						
2	16.592	16.592	0.000	954740	5.35	
29 Benzo[b]fluoranthene						
1	17.427	17.427	0.000	616939	4.35	
30 Benzo[k]fluoranthene						
1	17.477	17.477	0.000	645189	4.40	
31 Benzo[a]pyrene						
1	18.042	18.042	0.000	635440	4.40	
32 n-Hexacosane						
2	18.139	18.139	0.000	969840	5.65	
35 n-Octacosane						
2	19.577	19.577	0.000	964729	5.55	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.073	0.000	532116	4.02	
34 Dibenz(a,h)anthracene						
1	20.145	20.145	0.000	564005	4.36	
36 Benzo[g,h,i]perylene						
1	20.482	20.482	0.000	533172	4.12	
37 Triacontane						
2	20.918	20.918	0.000	957852	5.25	
38 n-Hexatriacontane						
2	25.512	25.512	0.000	816525	5.35	
A 39 C9-C18 Aliphatics						
2	7.278	3.217 - 11.322		13287798	32.2	
A 40 C11-C22 Aromatics						
1	12.793	4.593 - 20.861		13032461	83.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.538	11.322	-25.765	11820018	40.3	
S 43 Total EPH						
2					90.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					18.2	
S 44 EPH Adjustment 1						
1					65.4	

Report Date: 08-Nov-2011 10:42:30 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D
Injection Date: 04-Nov-2011 17:14:54 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 82885 Lims Sample ID: 5
Operator ID: CT Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Lims ID:	std10	Client ID:	
Inject. Date:	04-Nov-2011 17:48:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	std10		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	82885	Lims Sample ID:	6
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:13	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.937	0.001	1383915	10.3	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	947780	10.7	
$ 3 o-Terphenyl						
1	10.397	10.396	0.001	1715418	9.60	
$ 4 1-Chlorooctadecane						
2	13.981	13.980	0.001	1493643	9.74	
5 n-Nonane						
2	3.317	3.317	0.000	1809092	9.96	
6 n-Decane						
2	4.121	4.119	0.002	1866122	9.39	
7 Naphthalene						
1	4.694	4.693	0.001	1780100	10.1	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	1723614	10.0	
9 Dodecane						
2	5.682	5.681	0.001	1852722	9.80	
11 Acenaphthylene						
1	6.606	6.606	0.000	1715710	9.59	
12 Acenaphthene						
1	6.885	6.882	0.003	1730536	9.71	
15 n-Tetradecane						
2	7.343	7.342	0.001	1804162	9.98	
14 Fluorene						
1	7.695	7.693	0.002	1710479	9.89	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	1783806	9.70	
16 Phenanthrene						
1	9.443	9.440	0.003	1626129	9.83	
17 Anthracene						
1	9.530	9.527	0.003	1646405	10.6	
20 n-Octadecane						
2	11.223	11.222	0.001	1751948	9.60	
19 Fluoranthene						
1	11.934	11.930	0.004	1548141	9.81	
22 C19						
2	12.194	12.192	0.002	1723266	9.72	
21 Pyrene						
1	12.392	12.390	0.002	1655065	9.84	
23 icosane						M
2	13.136	13.135	0.001	1718339	9.77	M
27 n-Docosane						
2	14.928	14.927	0.001	1707750	9.73	
24 Benzo[a]anthracene						
1	15.120	15.112	0.008	1427799	10.1	
25 Chrysene						
1	15.207	15.202	0.005	1508512	10.3	
28 n-Tetracosane						
2	16.594	16.592	0.002	1695943	9.51	
29 Benzo[b]fluoranthene						
1	17.439	17.427	0.012	1401170	10.0	
30 Benzo[k]fluoranthene						
1	17.487	17.477	0.010	1438171	10.4	
31 Benzo[a]pyrene						
1	18.049	18.042	0.007	1432623	10.0	
32 n-Hexacosane						
2	18.138	18.139	-0.001	1707752	10.0	
35 n-Octacosane						
2	19.579	19.577	0.002	1703640	9.86	
33 Indeno[1,2,3-cd]pyrene						
1	20.083	20.073	0.010	1229760	9.47	
34 Dibenz(a,h)anthracene						
1	20.147	20.145	0.002	1257320	9.92	
36 Benzo[g,h,i]perylene						
1	20.492	20.482	0.010	1211484	9.56	
37 Triacontane						
2	20.920	20.918	0.002	1700410	9.33	
38 n-Hexatriacontane						M
2	25.519	25.512	0.007	1476363	9.68	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		16605628	50.1	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		28110201	100.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	17408993	73.4	
S 44 EPH Adjustment 1						
1					149.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					30.6	
S 43 Total EPH						
2					154.1	

QC Flag Legend

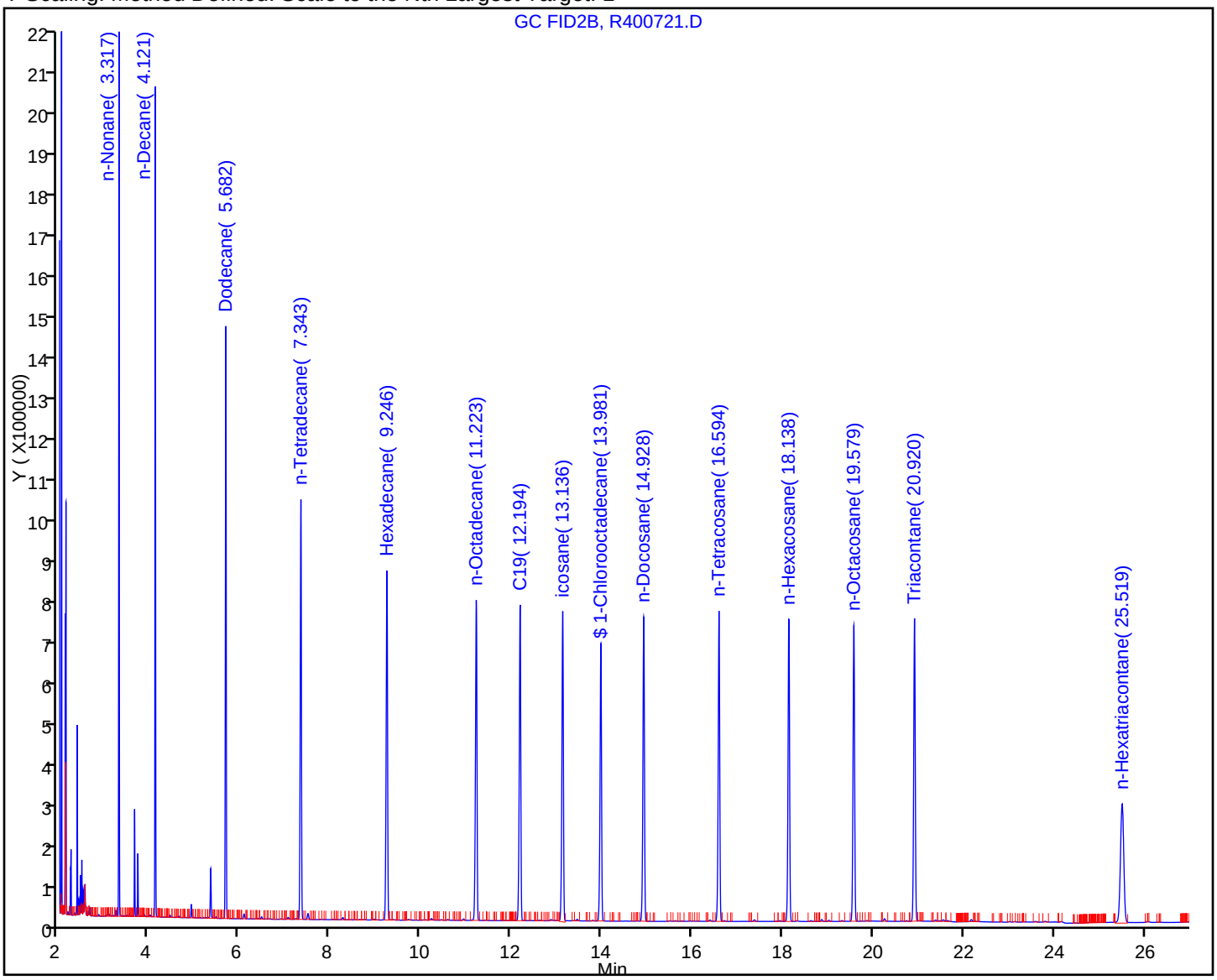
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:46:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D

Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Nov-2011 10:46:15 Chrom Revision: 2.0 29-Sep-2011 09:38:02

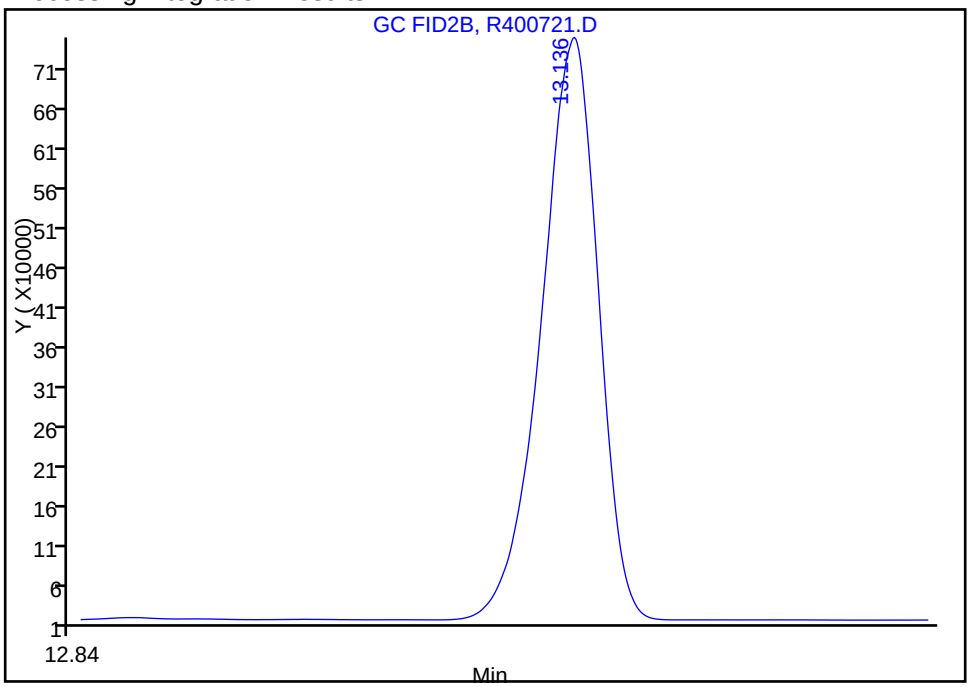
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

23 icosane, Signal: 1, Type: quant, RT: 13.13, Det: GC FID2B

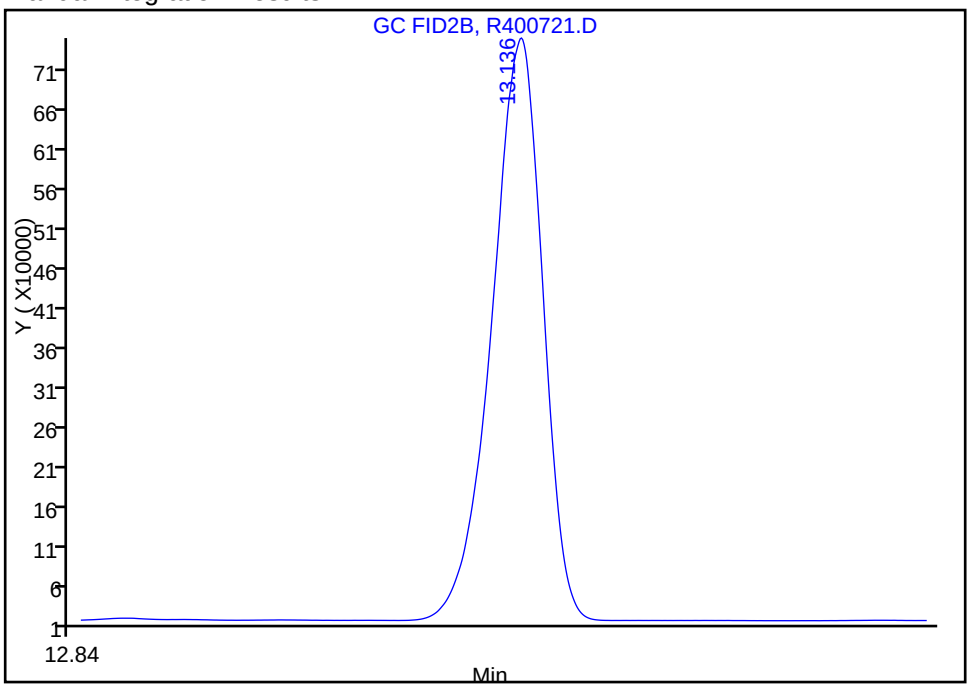
Processing Integration Results

RT: 13.14
Response: 972574
Amount: 5.728013



Manual Integration Results

RT: 13.14
Response: 1718339
Amount: 9.774115



Reviewer: malanowskiv, 06-Nov-2011 12:25:37
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:46:15 Chrom Revision: 2.0 29-Sep-2011 09:38:02

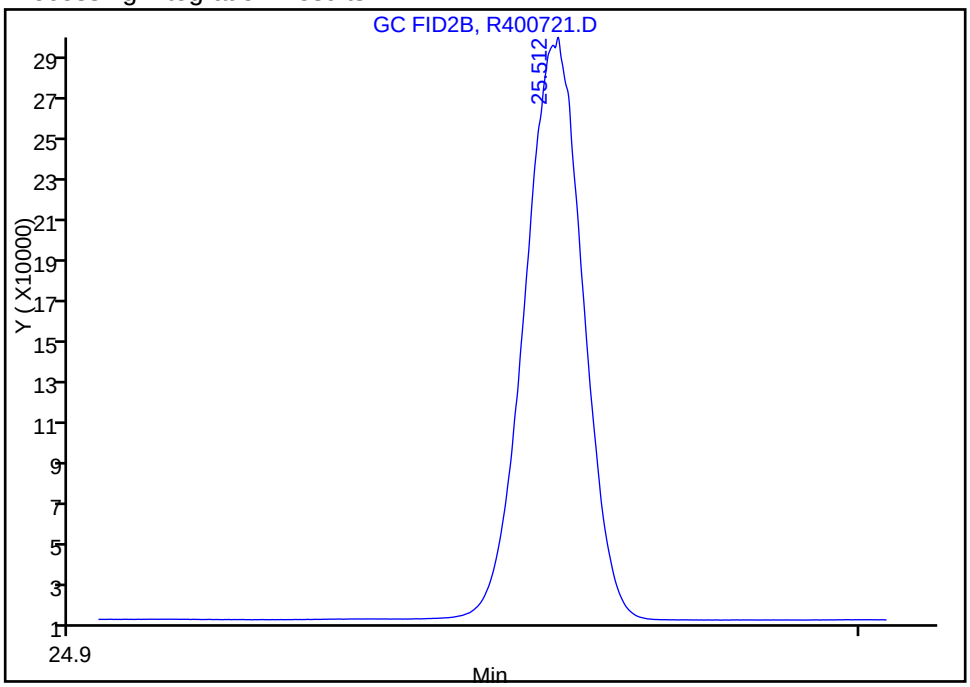
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.51, Det: GC FID2B

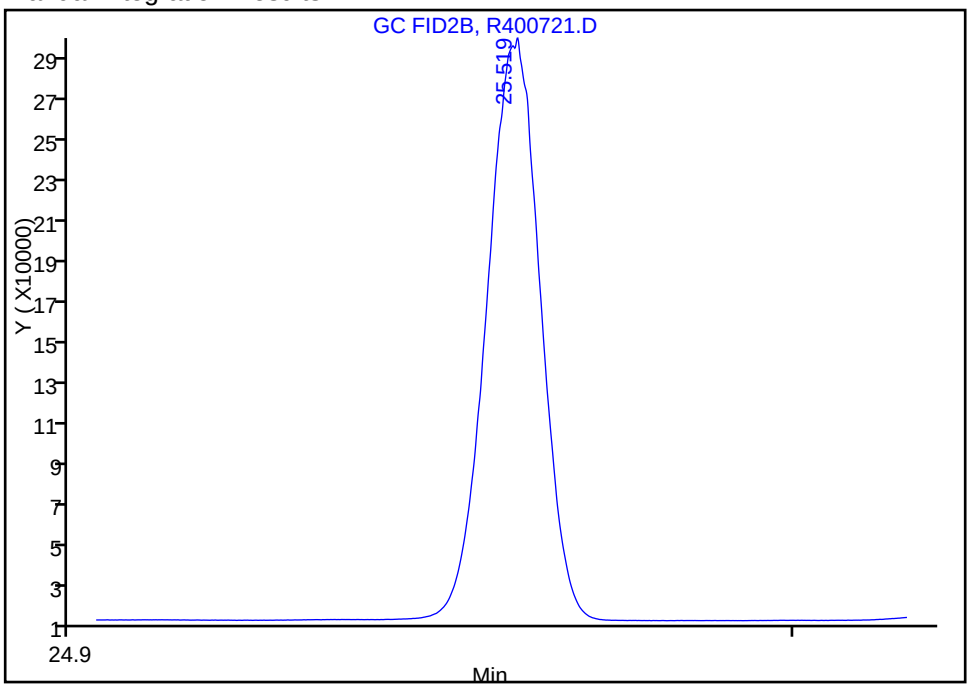
Processing Integration Results

RT: 25.51
Response: 743146
Amount: 8.037837



Manual Integration Results

RT: 25.52
Response: 1476363
Amount: 9.682328



Reviewer: malanowskiv, 06-Nov-2011 12:25:37
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D		
Lims ID:	std25	Client ID:	
Inject. Date:	04-Nov-2011 18:22:16	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	std25		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	82885	Lims Sample ID:	7
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:35	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:26

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.937	0.002	3272150	24.4	
$ 2 2-Bromonaphthalene						
1	6.799	6.795	0.004	2219193	25.0	
$ 3 o-Terphenyl						
1	10.403	10.396	0.007	4019543	22.5	
$ 4 1-Chlorooctadecane						
2	13.984	13.980	0.004	3641764	23.7	
5 n-Nonane						
2	3.318	3.317	0.001	4377354	24.3	
6 n-Decane						
2	4.122	4.119	0.003	4503826	22.7	
7 Naphthalene						
1	4.695	4.693	0.002	4199707	23.7	
8 2-Methylnaphthalene						
1	5.465	5.462	0.003	4062551	23.7	
9 Dodecane						
2	5.683	5.681	0.002	4478288	23.7	
11 Acenaphthylene						
1	6.611	6.606	0.005	4040368	22.6	
12 Acenaphthene						
1	6.889	6.882	0.007	4055729	22.8	
15 n-Tetradecane						
2	7.345	7.342	0.003	4377639	24.3	
14 Fluorene						
1	7.702	7.693	0.009	4000063	23.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.246	0.005	4324561	23.5	
16 Phenanthrene						
1	9.450	9.440	0.010	3799841	23.0	
17 Anthracene						
1	9.539	9.527	0.012	3764648	24.3	
20 n-Octadecane						
2	11.230	11.222	0.008	4270937	23.4	
19 Fluoranthene						
1	11.943	11.930	0.013	3664943	23.2	
22 C19						
2	12.198	12.192	0.006	4203875	23.7	
21 Pyrene						
1	12.402	12.390	0.012	3886049	23.1	
23 icosane						
2	13.142	13.135	0.007	4135090	23.5	
27 n-Docosane						
2	14.935	14.927	0.008	4155128	23.7	
24 Benzo[a]anthracene						
1	15.131	15.112	0.019	3398887	24.2	
25 Chrysene						
1	15.224	15.202	0.022	3556001	24.5	
28 n-Tetracosane						
2	16.600	16.592	0.008	4156516	23.3	
29 Benzo[b]fluoranthene						
1	17.452	17.427	0.025	3358183	24.1	
30 Benzo[k]fluoranthene						
1	17.507	17.477	0.030	3383480	25.0	
31 Benzo[a]pyrene						
1	18.068	18.042	0.026	3408988	24.0	
32 n-Hexacosane						
2	18.147	18.139	0.008	4203409	24.8	
35 n-Octacosane						
2	19.583	19.577	0.006	4221496	24.5	
33 Indeno[1,2,3-cd]pyrene						
1	20.103	20.073	0.030	3014627	23.4	
34 Dibenz(a,h)anthracene						
1	20.167	20.145	0.022	2956340	23.6	
36 Benzo[g,h,i]perylene						
1	20.513	20.482	0.031	2936197	23.4	
37 Triacontane						
2	20.926	20.918	0.008	4185801	23.0	
38 n-Hexatriacontane						
2	25.527	25.512	0.015	3536636	23.2	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		35718196	153.3	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		63975201	410.4	

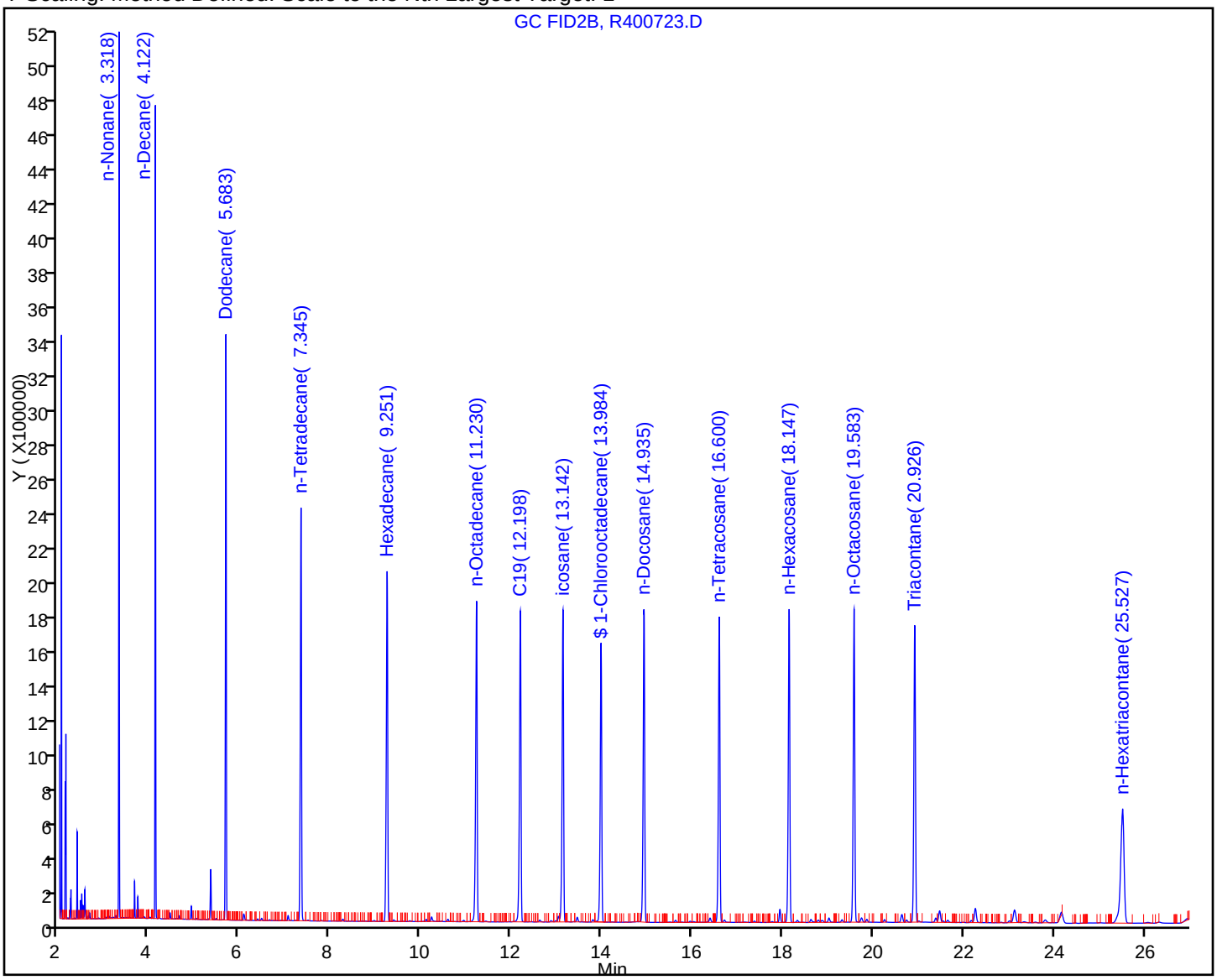
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	40071233	208.0	
S 43 Total EPH						
2					417.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					55.8	
S 44 EPH Adjustment 1						
1					354.6	

Report Date: 08-Nov-2011 10:46:36 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D

Injection Date:	04-Nov-2011 18:22:16	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Lims ID:	std100	Client ID:	
Inject. Date:	04-Nov-2011 19:29:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	std100		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	82885	Lims Sample ID:	8
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:26	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.952	5.937	0.015	14215423	102.1	
$ 2 2-Bromonaphthalene						
1	6.817	6.795	0.022	9233617	100.2	
$ 3 o-Terphenyl						
1	10.429	10.396	0.033	16741411	93.7	
$ 4 1-Chlorooctadecane						
2	14.007	13.980	0.027	14226897	92.8	
5 n-Nonane						
2	3.327	3.317	0.010	18211050	101.5	
6 n-Decane						
2	4.132	4.119	0.013	18796584	94.6	
7 Naphthalene						
1	4.707	4.693	0.014	17824535	100.7	
8 2-Methylnaphthalene						
1	5.478	5.462	0.016	17223002	100.4	
9 Dodecane						
2	5.692	5.681	0.011	18661498	98.7	
11 Acenaphthylene						
1	6.630	6.606	0.024	16998474	95.0	
12 Acenaphthene						
1	6.913	6.882	0.031	16941685	95.0	
15 n-Tetradecane						
2	7.355	7.342	0.013	18072917	100.5	
14 Fluorene						
1	7.727	7.693	0.034	16764188	96.9	

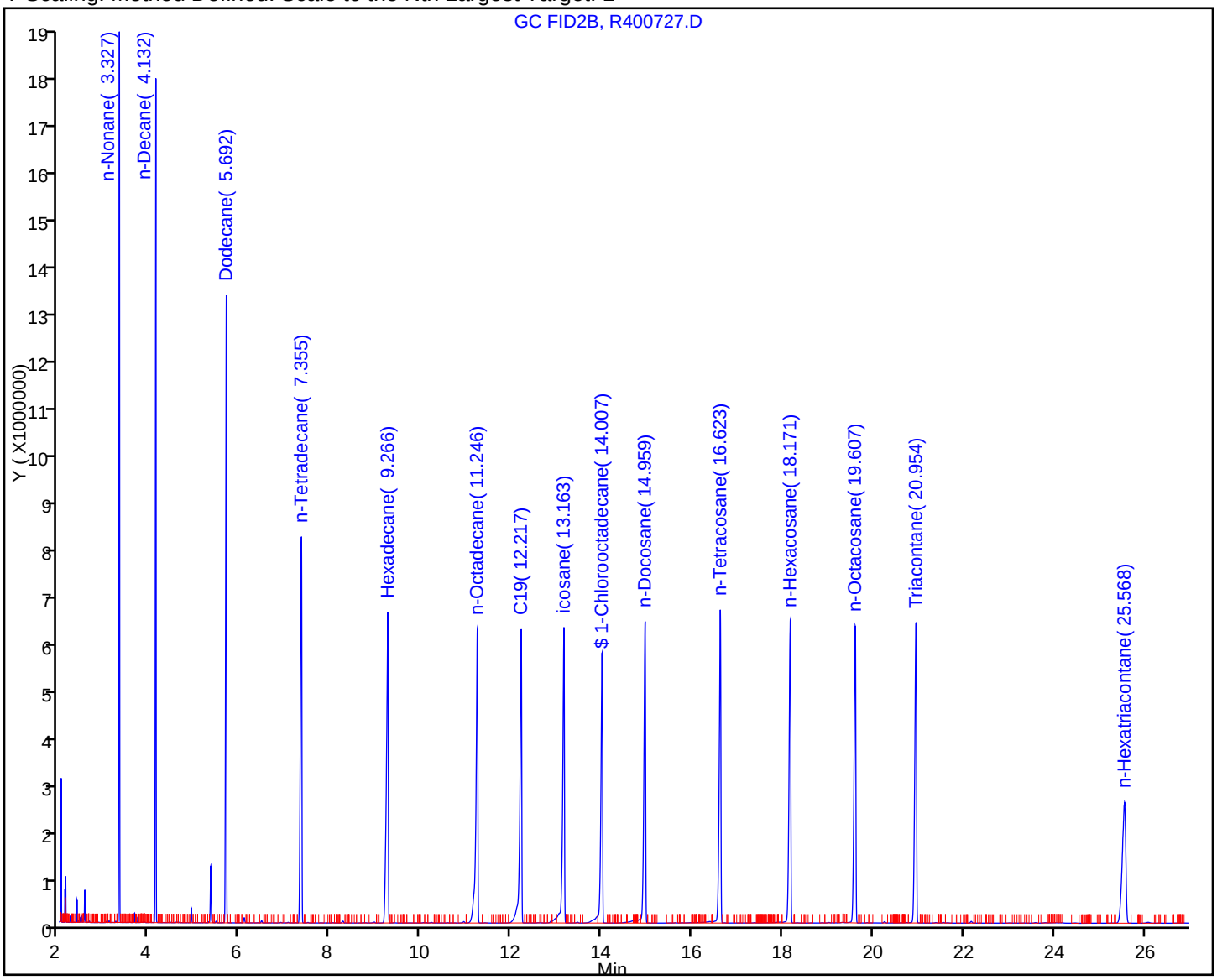
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.266	9.246	0.020	17883375	97.2	
16 Phenanthrene						
1	9.481	9.440	0.041	16211326	98.0	
17 Anthracene						
1	9.577	9.527	0.050	15941768	103.2	
20 n-Octadecane						
2	11.246	11.222	0.024	17579906	96.4	
19 Fluoranthene						
1	11.980	11.930	0.050	15541500	98.5	
22 C19						
2	12.217	12.192	0.025	17308446	97.6	
21 Pyrene						
1	12.443	12.390	0.053	16246645	96.6	
23 icosane						
2	13.163	13.135	0.028	16639428	94.6	
27 n-Docosane						
2	14.959	14.927	0.032	16360413	93.2	
24 Benzo[a]anthracene						
1	15.174	15.112	0.062	14348101	102.5	
25 Chrysene						
1	15.278	15.202	0.076	14904263	103.0	
28 n-Tetracosane						
2	16.623	16.592	0.031	16666913	93.5	
29 Benzo[b]fluoranthene						
1	17.499	17.427	0.072	15091168	108.5	
30 Benzo[k]fluoranthene						
1	17.574	17.477	0.097	13531770	101.2	
31 Benzo[a]pyrene						M
1	18.131	18.042	0.089	14650836	103.5	M
32 n-Hexacosane						
2	18.171	18.139	0.032	16975846	100.5	
35 n-Octacosane						
2	19.607	19.577	0.030	17077930	99.5	
33 Indeno[1,2,3-cd]pyrene						
1	20.184	20.073	0.111	12858055	100.4	
34 Dibenz(a,h)anthracene						M
1	20.237	20.145	0.092	12770021	102.3	M
36 Benzo[g,h,i]perylene						
1	20.589	20.482	0.107	12555380	100.5	
37 Triacontane						
2	20.954	20.918	0.036	17192252	94.3	
38 n-Hexatriacontane						
2	25.568	25.512	0.056	13851517	90.8	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		116436741	589.0	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		264970279	1698.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	140145386	802.1	
S 44 EPH Adjustment 1						
1					1503.4	
S 42 C11-C22 Aromatics (Adjusted)						
2					196.3	
S 43 Total EPH						
2					1587.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D
Injection Date: 04-Nov-2011 19:29:41 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 82885 Lims Sample ID: 8
Operator ID: CT Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Lims ID:	std200	Client ID:	
Inject. Date:	04-Nov-2011 20:03:23	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	std200		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	82885	Lims Sample ID:	9
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:49	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.963	5.937	0.026	27219328	191.3	
$ 2 2-Bromonaphthalene						
1	6.832	6.795	0.037	18004776	191.3	
$ 3 o-Terphenyl						
1	10.450	10.396	0.054	31401850	175.7	
$ 4 1-Chlorooctadecane						
2	14.026	13.980	0.046	27871700	181.8	
5 n-Nonane						
2	3.332	3.317	0.015	35355401	197.2	
6 n-Decane						
2	4.142	4.119	0.023	36501217	183.7	
7 Naphthalene						
1	4.718	4.693	0.025	34019279	192.1	
8 2-Methylnaphthalene						
1	5.490	5.462	0.028	32899396	191.7	
9 Dodecane						
2	5.700	5.681	0.019	36255572	191.8	
11 Acenaphthylene						
1	6.646	6.606	0.040	32474003	181.6	
12 Acenaphthene						
1	6.934	6.882	0.052	32643392	183.1	
15 n-Tetradecane						
2	7.367	7.342	0.025	35180388	195.6	
14 Fluorene						
1	7.746	7.693	0.053	32103683	185.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.280	9.246	0.034	34884004	189.6	
16 Phenanthrene						
1	9.505	9.440	0.065	31316706	189.3	
17 Anthracene						
1	9.607	9.527	0.080	30036930	194.6	
20 n-Octadecane						
2	11.265	11.222	0.043	34238156	187.7	
19 Fluoranthene						
1	12.010	11.930	0.080	29525692	187.2	
22 C19						
2	12.239	12.192	0.047	33765177	190.4	
21 Pyrene						
1	12.480	12.390	0.090	30819194	183.2	
23 icosane						
2	13.185	13.135	0.050	31423185	178.7	
27 n-Docosane						
2	14.979	14.927	0.052	32476339	185.0	
24 Benzo[a]anthracene						
1	15.204	15.112	0.092	27510479	196.5	
25 Chrysene						
1	15.322	15.202	0.120	28166036	194.7	
28 n-Tetracosane						
2	16.645	16.592	0.053	32590752	182.8	
29 Benzo[b]fluoranthene						M
1	17.556	17.427	0.129	26645481	191.6	M
30 Benzo[k]fluoranthene						M
1	17.629	17.477	0.152	25896085	194.1	M
31 Benzo[a]pyrene						
1	18.175	18.042	0.133	27713144	195.9	
32 n-Hexacosane						
2	18.191	18.139	0.052	33162196	196.4	
35 n-Octacosane						
2	19.630	19.577	0.053	33519195	195.4	
36 Benzo[g,h,i]perylene						M
1	20.655	20.482	0.173	25161350	201.6	M
37 Triacontane						
2	20.977	20.918	0.059	33854159	185.7	
38 n-Hexatriacontane						M
2	25.616	25.512	0.104	27729888	181.9	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		226814494	1184.9	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		506951589	3252.1	
A 41 C19-C36 Aliphatics						
2	18.544	11.322 - 25.765		270729533	1577.3	
S 43 Total EPH						
2					2151.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 42 C11-C22 Aromatics (Adjusted)						
2					389.4	
S 44 EPH Adjustment 1						
1					2862.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:51 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D
Injection Date: 04-Nov-2011 20:03:23 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 82885 Lims Sample ID: 9
Operator ID: CT Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



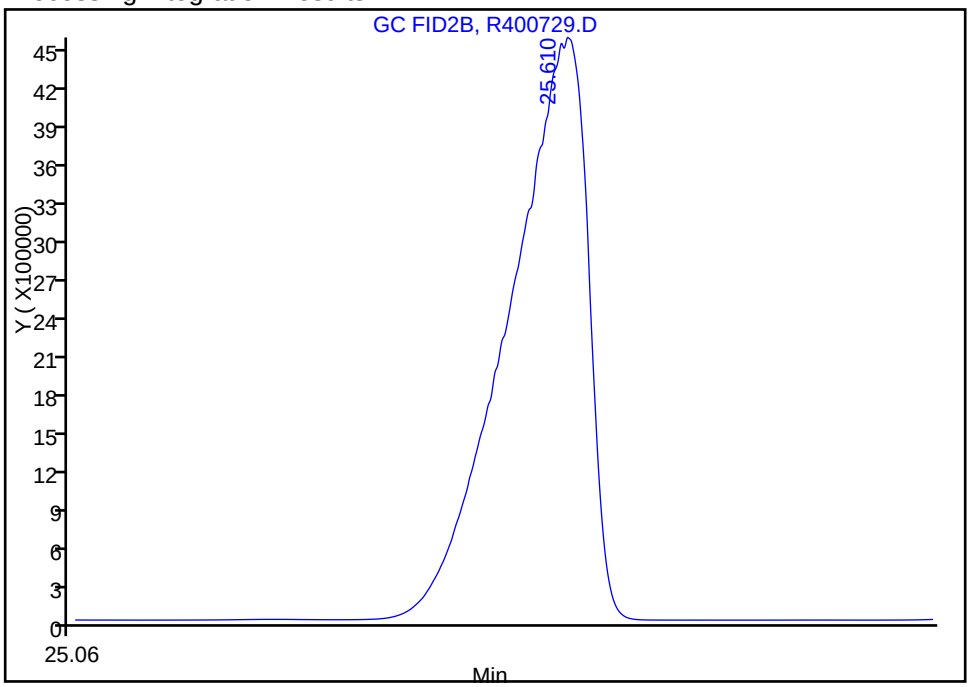
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82885	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.51, Det: GC FID2B

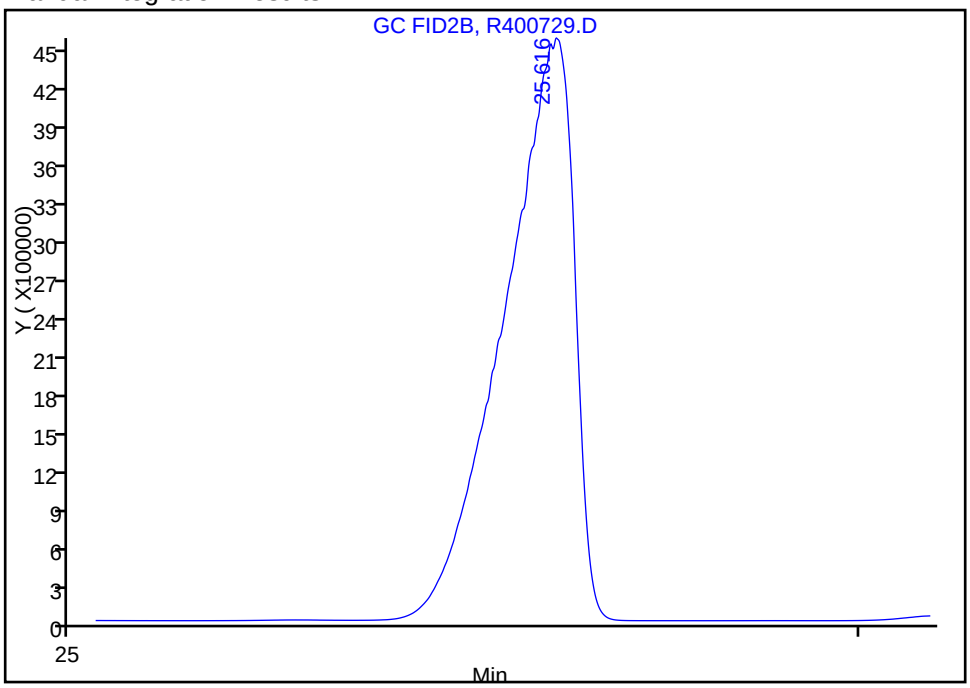
Processing Integration Results

RT: 25.61
Response: 3013059
Amount: 21.715961



Manual Integration Results

RT: 25.62
Response: 27729888
Amount: 181.8590



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCVRT 360-84518/1 Calibration Date: 12/08/2011 13:08

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401855.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	151691		42.8	50.0	-14.3	25.0
2-Methylnaphthalene	Ave	171616	144913		42.2	50.0	-15.6	25.0
Acenaphthylene	Ave	178861	143489		40.1	50.0	-19.8	25.0
Acenaphthene	Ave	178269	144381		40.5	50.0	-19.0	25.0
Fluorene	Ave	172973	141066		40.8	50.0	-18.4	25.0
Phenanthrene	Ave	165465	134976		40.8	50.0	-18.4	25.0
Anthracene	Lin1		133019		43.0	50.0	-14.0	25.0
Fluoranthene	Ave	157744	131838		41.8	50.0	-16.4	25.0
Pyrene	Ave	168253	139280		41.4	50.0	-17.2	25.0
C11-C22 Aromatics (unadjusted)	Ave	155886	134265		732	850	-13.9	25.0
Benzo[a]anthracene	Lin1		125145		44.6	50.0	-10.8	25.0
Chrysene	Lin1		131045		45.2	50.0	-9.6	25.0
Benzo[b]fluoranthene	Lin1		128005		46.0	50.0	-8.0	25.0
Benzo[k]fluoranthene	Lin1		126770		47.2	50.0	-5.6	25.0
Benzo[a]pyrene	Lin1		129439		45.7	50.0	-8.6	25.0
Indeno[1,2,3-cd]pyrene	Lin1		115584		45.0	50.0	-10.0	25.0
Dibenz(a,h)anthracene	Lin1		106773		42.7	50.0	-14.6	25.0
Benzo[g,h,i]perylene	Lin1		109601		43.8	50.0	-12.4	25.0
2-Fluorobiphenyl	Ave	142273	116311		40.9	50.0	-18.2	25.0
2-Bromonaphthalene	Ave	94136	78112		41.5	50.0	-17.0	25.0
o-Terphenyl	Ave	178720	141656		39.6	50.0	-20.7	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCVRT 360-84518/1 Calibration Date: 12/08/2011 13:08

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401855.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.62	6.52	6.72
Acenaphthene	6.90	6.80	7.00
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.55	9.45	9.65
Fluoranthene	11.96	11.86	12.06
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics (unadjusted)	12.80	4.60	21.01
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.25	15.15	15.35
Benzo[b]fluoranthene	17.48	17.38	17.58
Benzo[k]fluoranthene	17.54	17.44	17.64
Benzo[a]pyrene	18.10	18.00	18.20
Indeno[1,2,3-cd]pyrene	20.14	20.04	20.24
Dibenz(a,h)anthracene	20.21	20.11	20.31
Benzo[g,h,i]perylene	20.56	20.46	20.66
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.81	6.71	6.91
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401855.D
Lims ID: CCVRT Client ID:
Inject. Date: 08-Dec-2011 13:08:21 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84518 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:21:09 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:10:43

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.943	5.943	0.000	5815541	40.9	
$ 2 2-Bromonaphthalene						
1	6.806	6.806	0.000	3905621	41.5	
$ 3 o-Terphenyl						
1	10.412	10.412	0.000	7082794	39.6	
$ 4 1-Chlorooctadecane						
2	13.988	13.988	0.000	7469348	48.7	
5 n-Nonane						
2	3.313	3.313	0.000	9167546	51.0	
6 n-Decane						
2	4.117	4.117	0.000	9459686	47.6	
7 Naphthalene						
1	4.698	4.698	0.000	7584525	42.8	
8 2-Methylnaphthalene						
1	5.469	5.469	0.000	7245665	42.2	
9 Dodecane						
2	5.679	5.679	0.000	9387006	49.7	
11 Acenaphthylene						
1	6.618	6.618	0.000	7174441	40.1	
12 Acenaphthene						
1	6.898	6.898	0.000	7219060	40.5	
15 n-Tetradecane						
2	7.343	7.343	0.000	9083509	50.5	
14 Fluorene						
1	7.711	7.711	0.000	7053306	40.8	

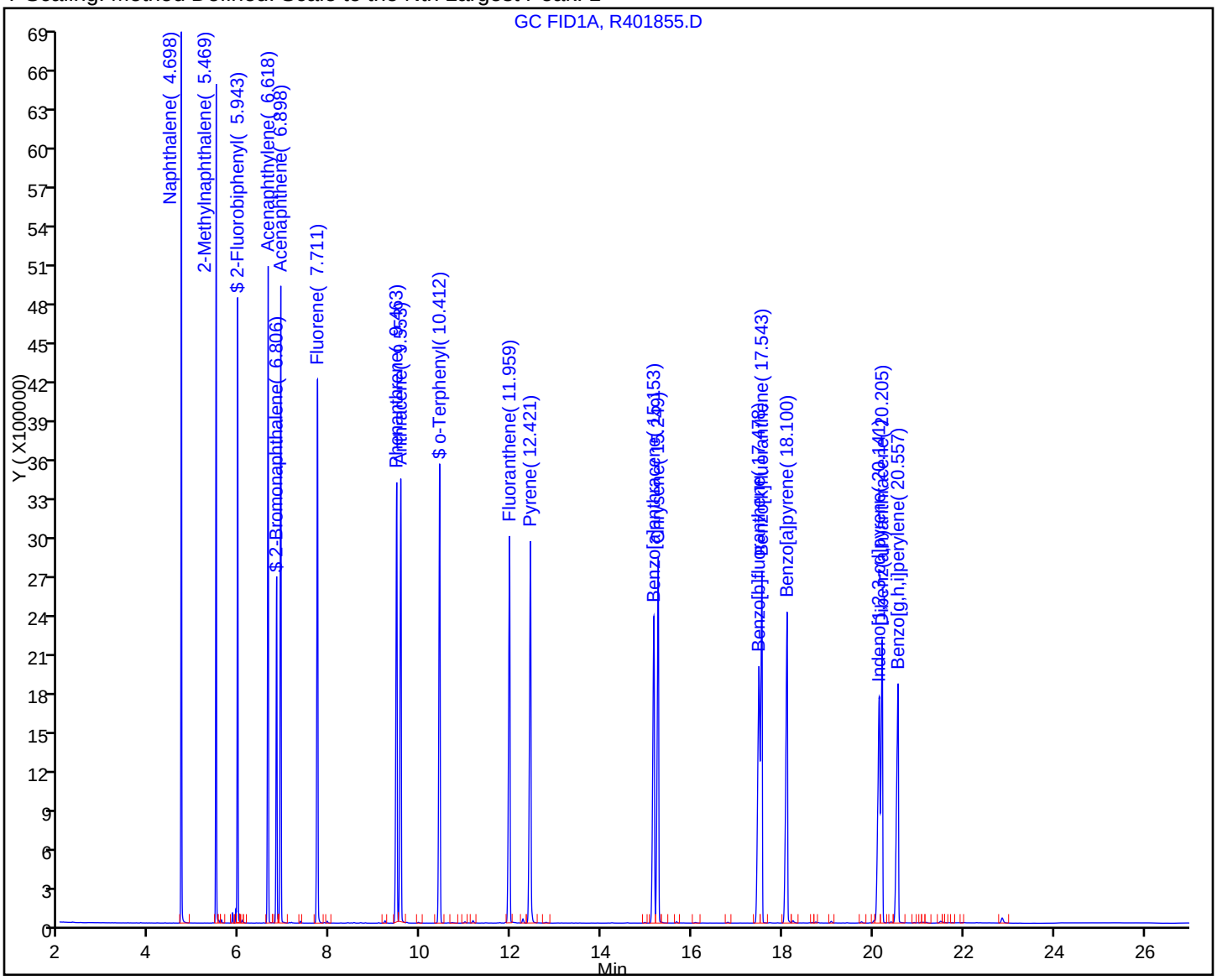
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.251	0.000	8989223	48.9	
16 Phenanthrene						
1	9.463	9.463	0.000	6748790	40.8	
17 Anthracene						
1	9.553	9.553	0.000	6650952	43.0	
20 n-Octadecane						
2	11.231	11.231	0.000	8849188	48.5	
19 Fluoranthene						
1	11.959	11.959	0.000	6591894	41.8	
22 C19						
2	12.199	12.199	0.000	8698087	49.0	
21 Pyrene						
1	12.421	12.421	0.000	6963982	41.4	
23 icosane						
2	13.143	13.143	0.000	8591005	48.9	
27 n-Docosane						
2	14.939	14.939	0.000	8556612	48.7	
24 Benzo[a]anthracene						
1	15.153	15.153	0.000	6257227	44.6	
25 Chrysene						
1	15.249	15.249	0.000	6552266	45.2	
28 n-Tetracosane						
2	16.605	16.605	0.000	8560777	48.0	
29 Benzo[b]fluoranthene						
1	17.478	17.478	0.000	6400271	46.0	
30 Benzo[k]fluoranthene						
1	17.543	17.543	0.000	6338484	47.2	
31 Benzo[a]pyrene						
1	18.100	18.100	0.000	6471955	45.7	
32 n-Hexacosane						
2	18.150	18.150	0.000	8714540	51.5	
35 n-Octacosane						
2	19.590	19.590	0.000	8825672	51.4	
33 Indeno[1,2,3-cd]pyrene						
1	20.141	20.141	0.000	5779181	45.0	
34 Dibenz(a,h)anthracene						
1	20.205	20.205	0.000	5338633	42.7	
36 Benzo[g,h,i]perylene						
1	20.557	20.557	0.000	5480054	43.8	
37 Triacontane						
2	20.933	20.933	0.000	8984182	49.3	
38 n-Hexatriacontane						M
2	25.535	25.535	0.000	7454565	48.9	M
A 39 C9-C18 Aliphatics						
2	7.273	3.213 - 11.331		61192532	290.8	
A 40 C11-C22 Aromatics						
1	12.796	4.598 - 21.008		114125340	732.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.604	11.331	-25.861	72622256	401.2	
S 44 EPH Adjustment 1						
1					645.8	
S 42 C11-C22 Aromatics (Adjusted)						
2					86.3	
S 43 Total EPH						
2					778.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:21:09 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401855.D
Injection Date: 08-Dec-2011 13:08:21 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84518 Lims Sample ID: 1
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCVRT 360-84518/1 Calibration Date: 12/08/2011 13:08

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401855.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		183351		51.0	50.0	2.0	30.0
n-Decane	Ave	198709	189194		47.6	50.0	-4.8	25.0
Dodecane	Ave	189041	187740		49.7	50.0	-0.7	25.0
C9-C18 Aliphatics	Lin1		203975		291	300	-3.1	25.0
n-Tetradecane	Lin2		181670		50.5	50.0	1.0	25.0
Hexadecane	Ave	183947	179784		48.9	50.0	-2.3	25.0
n-Octadecane	Ave	182400	176984		48.5	50.0	-3.0	25.0
C19	Ave	177362	173962		49.0	50.0	-1.9	25.0
icosane	Ave	175805	171820		48.9	50.0	-2.3	25.0
n-Docosane	Ave	175561	171132		48.7	50.0	-2.5	25.0
n-Tetracosane	Ave	178308	171216		48.0	50.0	-4.0	25.0
n-Hexacosane	Lin1		174291		51.5	50.0	3.0	25.0
C19-C36 Aliphatics	Lin1		181556		401	400	0.3	25.0
n-Octacosane	Lin2		176513		51.4	50.0	2.8	25.0
Triacontane	Ave	182275	179684		49.3	50.0	-1.4	25.0
n-Hexatriacontane	Ave	152480	149091		48.9	50.0	-2.2	25.0
1-Chlorooctadecane	Ave	153344	149387		48.7	50.0	-2.6	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCVRT 360-84518/1 Calibration Date: 12/08/2011 13:08

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401855.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.31	3.21	3.41
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.21	11.33
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.25	9.15	9.35
n-Octadecane	11.23	11.13	11.33
C19	12.20	12.10	12.30
icosane	13.14	13.04	13.24
n-Docosane	14.94	14.84	15.04
n-Tetracosane	16.61	16.51	16.71
n-Hexacosane	18.15	18.05	18.25
C19-C36 Aliphatics	18.60	11.33	25.86
n-Octacosane	19.59	19.49	19.69
Triacontane	20.93	20.83	21.03
n-Hexatriacontane	25.54	25.44	25.64
1-Chlorooctadecane	13.99	13.89	14.09

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401855.D
Lims ID: CCVRT Client ID:
Inject. Date: 08-Dec-2011 13:08:21 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84518 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:21:09 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:10:43

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.943	5.943	0.000	5815541	40.9	
$ 2 2-Bromonaphthalene						
1	6.806	6.806	0.000	3905621	41.5	
$ 3 o-Terphenyl						
1	10.412	10.412	0.000	7082794	39.6	
$ 4 1-Chlorooctadecane						
2	13.988	13.988	0.000	7469348	48.7	
5 n-Nonane						
2	3.313	3.313	0.000	9167546	51.0	
6 n-Decane						
2	4.117	4.117	0.000	9459686	47.6	
7 Naphthalene						
1	4.698	4.698	0.000	7584525	42.8	
8 2-Methylnaphthalene						
1	5.469	5.469	0.000	7245665	42.2	
9 Dodecane						
2	5.679	5.679	0.000	9387006	49.7	
11 Acenaphthylene						
1	6.618	6.618	0.000	7174441	40.1	
12 Acenaphthene						
1	6.898	6.898	0.000	7219060	40.5	
15 n-Tetradecane						
2	7.343	7.343	0.000	9083509	50.5	
14 Fluorene						
1	7.711	7.711	0.000	7053306	40.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.251	0.000	8989223	48.9	
16 Phenanthrene						
1	9.463	9.463	0.000	6748790	40.8	
17 Anthracene						
1	9.553	9.553	0.000	6650952	43.0	
20 n-Octadecane						
2	11.231	11.231	0.000	8849188	48.5	
19 Fluoranthene						
1	11.959	11.959	0.000	6591894	41.8	
22 C19						
2	12.199	12.199	0.000	8698087	49.0	
21 Pyrene						
1	12.421	12.421	0.000	6963982	41.4	
23 icosane						
2	13.143	13.143	0.000	8591005	48.9	
27 n-Docosane						
2	14.939	14.939	0.000	8556612	48.7	
24 Benzo[a]anthracene						
1	15.153	15.153	0.000	6257227	44.6	
25 Chrysene						
1	15.249	15.249	0.000	6552266	45.2	
28 n-Tetracosane						
2	16.605	16.605	0.000	8560777	48.0	
29 Benzo[b]fluoranthene						
1	17.478	17.478	0.000	6400271	46.0	
30 Benzo[k]fluoranthene						
1	17.543	17.543	0.000	6338484	47.2	
31 Benzo[a]pyrene						
1	18.100	18.100	0.000	6471955	45.7	
32 n-Hexacosane						
2	18.150	18.150	0.000	8714540	51.5	
35 n-Octacosane						
2	19.590	19.590	0.000	8825672	51.4	
33 Indeno[1,2,3-cd]pyrene						
1	20.141	20.141	0.000	5779181	45.0	
34 Dibenz(a,h)anthracene						
1	20.205	20.205	0.000	5338633	42.7	
36 Benzo[g,h,i]perylene						
1	20.557	20.557	0.000	5480054	43.8	
37 Triacontane						
2	20.933	20.933	0.000	8984182	49.3	
38 n-Hexatriacontane						M
2	25.535	25.535	0.000	7454565	48.9	M
A 39 C9-C18 Aliphatics						
2	7.273	3.213 - 11.331		61192532	290.8	
A 40 C11-C22 Aromatics						
1	12.796	4.598 - 21.008		114125340	732.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.604	11.331	-25.861	72622256	401.2	
S 44 EPH Adjustment 1						
1					645.8	
S 42 C11-C22 Aromatics (Adjusted)						
2					86.3	
S 43 Total EPH						
2					778.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:21:09 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401855.D
Injection Date: 08-Dec-2011 13:08:21 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84518 Lims Sample ID: 1
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 09-Dec-2011 12:21:09 Chrom Revision: 2.0 29-Sep-2011 09:38:02

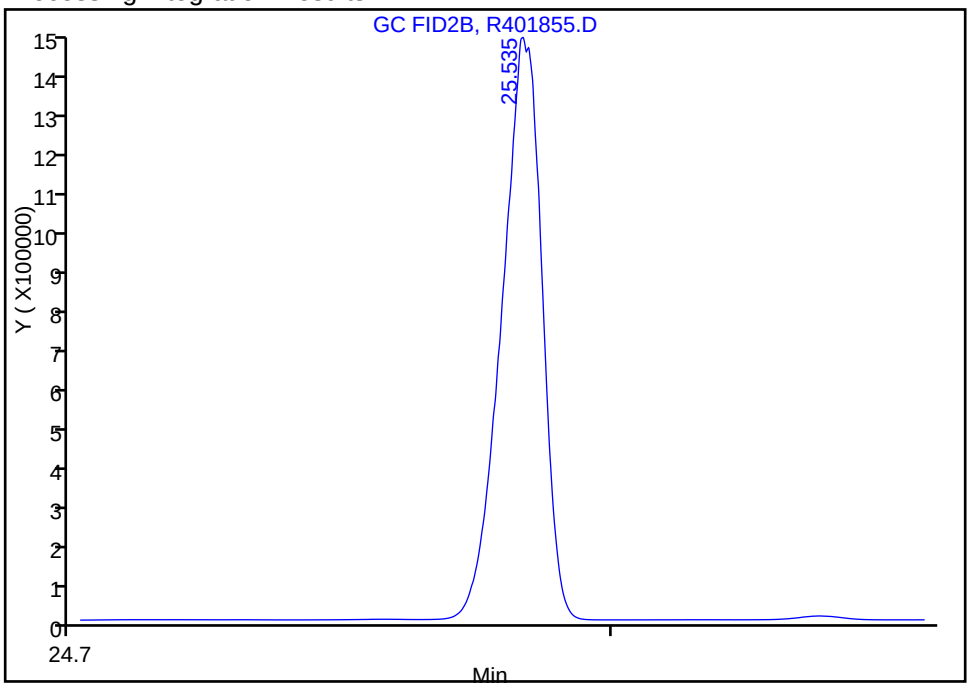
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401855.D		
Injection Date:	08-Dec-2011 13:08:21	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	1
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.54, Det: GC FID2B

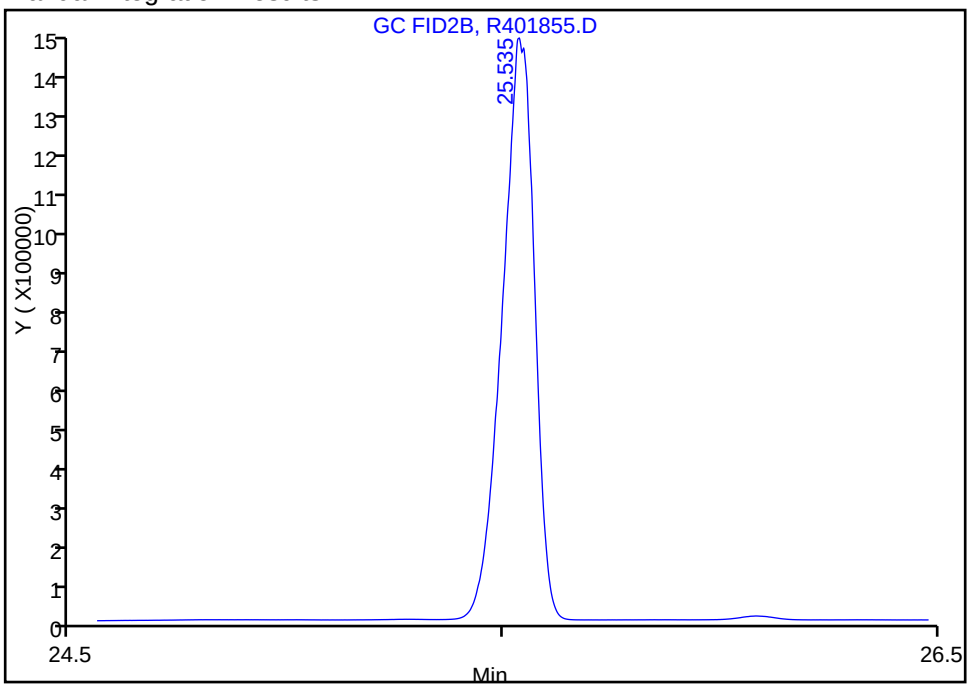
Processing Integration Results

RT: 25.54
Response: 1387699
Amount: 9.100850



Manual Integration Results

RT: 25.54
Response: 7454565
Amount: 48.888753



Reviewer: malanowskiv, 08-Dec-2011 13:47:35
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84518/22 Calibration Date: 12/09/2011 01:19

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401897.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	156222		44.1	50.0	-11.8	25.0
2-Methylnaphthalene	Ave	171616	149421		43.5	50.0	-12.9	25.0
Acenaphthylene	Ave	178861	148019		41.4	50.0	-17.2	25.0
Acenaphthene	Ave	178269	148385		41.6	50.0	-16.8	25.0
Fluorene	Ave	172973	146023		42.2	50.0	-15.6	25.0
Phenanthrene	Ave	165465	140072		42.3	50.0	-15.3	25.0
Anthracene	Lin1		137673		44.5	50.0	-11.0	25.0
Fluoranthene	Ave	157744	136946		43.4	50.0	-13.2	25.0
Pyrene	Ave	168253	144476		42.9	50.0	-14.1	25.0
C11-C22 Aromatics (unadjusted)	Ave	155886	136905		747	850	-12.2	25.0
Benzo[a]anthracene	Lin1		128911		46.0	50.0	-8.0	25.0
Chrysene	Lin1		135137		46.6	50.0	-6.8	25.0
Benzo[b]fluoranthene	Lin1		130272		46.8	50.0	-6.4	25.0
Benzo[k]fluoranthene	Lin1		128352		47.8	50.0	-4.4	25.0
Benzo[a]pyrene	Lin1		130372		46.0	50.0	-8.0	25.0
Indeno[1,2,3-cd]pyrene	Lin1		111889		43.6	50.0	-12.8	25.0
Dibenz(a,h)anthracene	Lin1		105994		42.4	50.0	-15.2	25.0
Benzo[g,h,i]perylene	Lin1		106509		42.5	50.0	-15.0	25.0
2-Fluorobiphenyl	Ave	142273	120145		42.2	50.0	-15.6	25.0
2-Bromonaphthalene	Ave	94136	80571		42.8	50.0	-14.4	25.0
o-Terphenyl	Ave	178720	148005		41.4	50.0	-17.2	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84518/22 Calibration Date: 12/09/2011 01:19

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401897.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.61	6.51	6.71
Acenaphthene	6.89	6.79	6.99
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.55	9.45	9.65
Fluoranthene	11.95	11.85	12.05
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics (unadjusted)	12.80	4.60	20.99
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.24	15.14	15.34
Benzo[b]fluoranthene	17.47	17.37	17.57
Benzo[k]fluoranthene	17.53	17.43	17.63
Benzo[a]pyrene	18.09	17.99	18.19
Indeno[1,2,3-cd]pyrene	20.13	20.03	20.23
Dibenz(a,h)anthracene	20.20	20.10	20.30
Benzo[g,h,i]perylene	20.55	20.45	20.65
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.80	6.70	6.90
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401897.D
Lims ID: ccv Client ID:
Inject. Date: 09-Dec-2011 01:19:41 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84518 Lims Sample ID: 22
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:20:22 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:15:17

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.941	5.941	0.000	6007234	42.2	
$ 2 2-Bromonaphthalene						
1	6.802	6.802	0.000	4028550	42.8	
$ 3 o-Terphenyl						
1	10.407	10.407	0.000	7400237	41.4	
$ 4 1-Chlorooctadecane						
2	13.986	13.986	0.000	7387079	48.2	
5 n-Nonane						
2	3.316	3.316	0.000	9234875	51.4	
6 n-Decane						
2	4.119	4.119	0.000	9559973	48.1	
7 Naphthalene						
1	4.697	4.697	0.000	7811091	44.1	
8 2-Methylnaphthalene						
1	5.467	5.467	0.000	7471058	43.5	
9 Dodecane						
2	5.682	5.682	0.000	9464844	50.1	
11 Acenaphthylene						
1	6.614	6.614	0.000	7400928	41.4	
12 Acenaphthene						
1	6.894	6.894	0.000	7419244	41.6	
15 n-Tetradecane						
2	7.343	7.343	0.000	9104908	50.6	
14 Fluorene						
1	7.707	7.707	0.000	7301151	42.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.251	0.000	8949699	48.7	
16 Phenanthrene						
1	9.457	9.457	0.000	7003590	42.3	
17 Anthracene						
1	9.548	9.548	0.000	6883651	44.5	
20 n-Octadecane						
2	11.230	11.230	0.000	8749334	48.0	
19 Fluoranthene						
1	11.952	11.952	0.000	6847303	43.4	
22 C19						
2	12.199	12.199	0.000	8602385	48.5	
21 Pyrene						
1	12.416	12.416	0.000	7223783	42.9	
23 icosane						
2	13.141	13.141	0.000	8461040	48.1	
27 n-Docosane						
2	14.936	14.936	0.000	8312241	47.3	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	6445554	46.0	
25 Chrysene						
1	15.242	15.242	0.000	6756828	46.6	
28 n-Tetracosane						
2	16.599	16.599	0.000	8365816	46.9	
29 Benzo[b]fluoranthene						
1	17.471	17.471	0.000	6513592	46.8	
30 Benzo[k]fluoranthene						
1	17.532	17.532	0.000	6417611	47.8	
31 Benzo[a]pyrene						
1	18.093	18.093	0.000	6518621	46.0	
32 n-Hexacosane						
2	18.147	18.147	0.000	8488611	50.2	
35 n-Octacosane						
2	19.585	19.585	0.000	8657656	50.4	
33 Indeno[1,2,3-cd]pyrene						
1	20.127	20.127	0.000	5594474	43.6	
34 Dibenz(a,h)anthracene						
1	20.196	20.196	0.000	5299698	42.4	
36 Benzo[g,h,i]perylene						
1	20.545	20.545	0.000	5325427	42.5	
37 Triacontane						
2	20.927	20.927	0.000	8880516	48.7	
38 n-Hexatriacontane						M
2	25.530	25.530	0.000	7188457	47.1	M
A 39 C9-C18 Aliphatics						
2	7.272	3.216 - 11.330		61851417	294.4	
A 40 C11-C22 Aromatics						
1	12.803	4.597 - 20.993		116369379	746.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.596	11.330	-25.842	72695146	401.7	
S 44 EPH Adjustment 1						
1					661.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					84.8	
S 43 Total EPH						
2					780.8	

QC Flag Legend

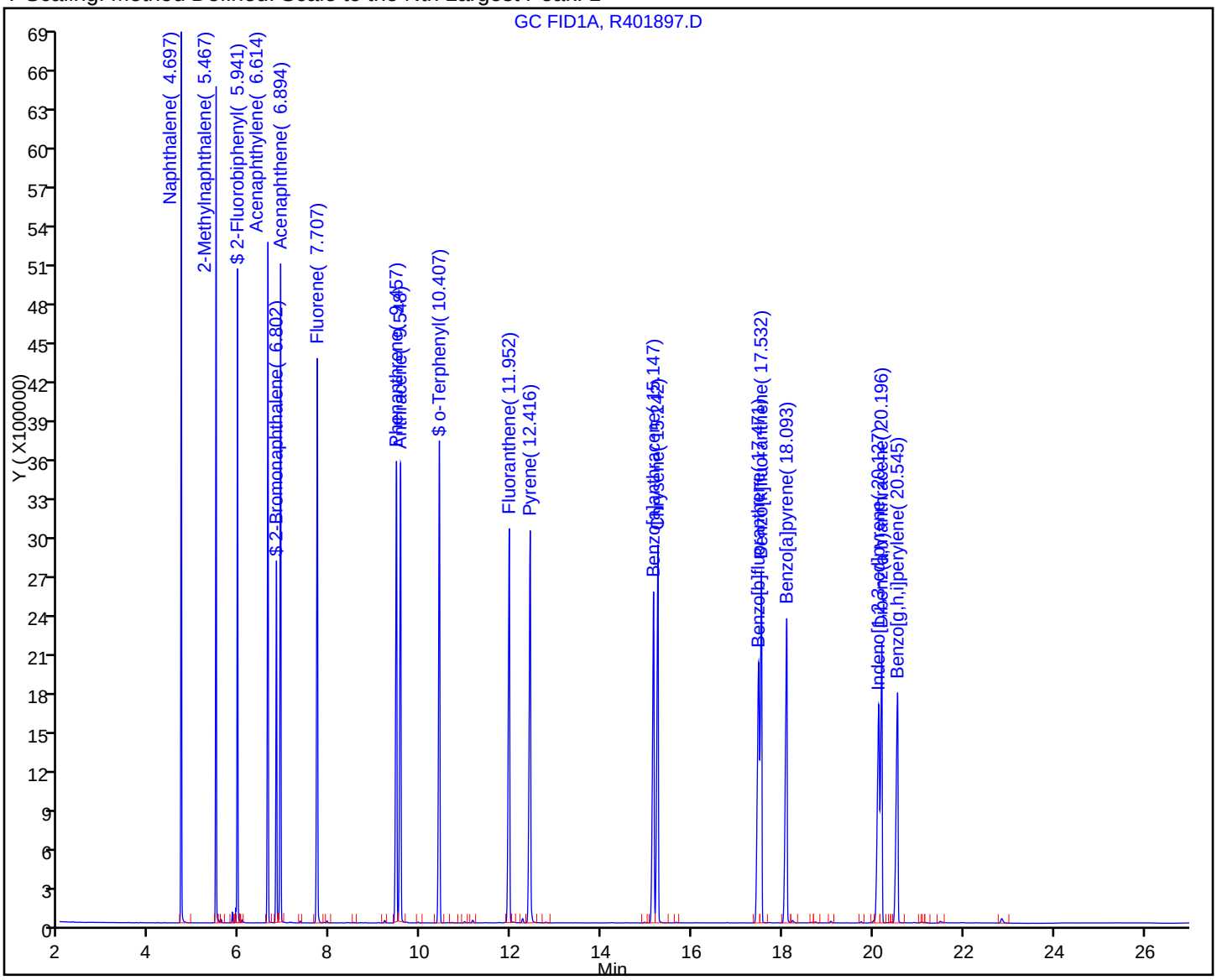
Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:20:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401897.D

Injection Date:	09-Dec-2011 01:19:41	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	22
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84518/22 Calibration Date: 12/09/2011 01:19

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401897.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		184698		51.4	50.0	2.8	30.0
n-Decane	Ave	198709	191199		48.1	50.0	-3.8	25.0
Dodecane	Ave	189041	189297		50.1	50.0	0.1	25.0
C9-C18 Aliphatics	Lin1		206171		294	300	-1.9	25.0
n-Tetradecane	Lin2		182098		50.6	50.0	1.2	25.0
Hexadecane	Ave	183947	178994		48.7	50.0	-2.7	25.0
n-Octadecane	Ave	182400	174987		48.0	50.0	-4.1	25.0
C19	Ave	177362	172048		48.5	50.0	-3.0	25.0
icosane	Ave	175805	169221		48.1	50.0	-3.7	25.0
n-Docosane	Ave	175561	166245		47.3	50.0	-5.3	25.0
n-Tetracosane	Ave	178308	167316		46.9	50.0	-6.2	25.0
n-Hexacosane	Lin1		169772		50.2	50.0	0.4	25.0
C19-C36 Aliphatics	Lin1		181738		402	400	0.4	25.0
n-Octacosane	Lin2		173153		50.4	50.0	0.8	25.0
Triacontane	Ave	182275	177610		48.7	50.0	-2.6	25.0
n-Hexatriacontane	Ave	152480	143769		47.1	50.0	-5.7	25.0
1-Chlorooctadecane	Ave	153344	147742		48.2	50.0	-3.7	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84518/22 Calibration Date: 12/09/2011 01:19

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401897.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.32	3.22	3.42
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.22	11.33
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.25	9.15	9.35
n-Octadecane	11.23	11.13	11.33
C19	12.20	12.10	12.30
icosane	13.14	13.04	13.24
n-Docosane	14.94	14.84	15.04
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.15	18.05	18.25
C19-C36 Aliphatics	18.60	11.33	25.84
n-Octacosane	19.59	19.49	19.69
Triacontane	20.93	20.83	21.03
n-Hexatriacontane	25.53	25.43	25.63
1-Chlorooctadecane	13.99	13.89	14.09

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401897.D
Lims ID: ccv Client ID:
Inject. Date: 09-Dec-2011 01:19:41 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84518 Lims Sample ID: 22
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:20:22 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:15:17

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.941	5.941	0.000	6007234	42.2	
$ 2 2-Bromonaphthalene						
1	6.802	6.802	0.000	4028550	42.8	
$ 3 o-Terphenyl						
1	10.407	10.407	0.000	7400237	41.4	
$ 4 1-Chlorooctadecane						
2	13.986	13.986	0.000	7387079	48.2	
5 n-Nonane						
2	3.316	3.316	0.000	9234875	51.4	
6 n-Decane						
2	4.119	4.119	0.000	9559973	48.1	
7 Naphthalene						
1	4.697	4.697	0.000	7811091	44.1	
8 2-Methylnaphthalene						
1	5.467	5.467	0.000	7471058	43.5	
9 Dodecane						
2	5.682	5.682	0.000	9464844	50.1	
11 Acenaphthylene						
1	6.614	6.614	0.000	7400928	41.4	
12 Acenaphthene						
1	6.894	6.894	0.000	7419244	41.6	
15 n-Tetradecane						
2	7.343	7.343	0.000	9104908	50.6	
14 Fluorene						
1	7.707	7.707	0.000	7301151	42.2	

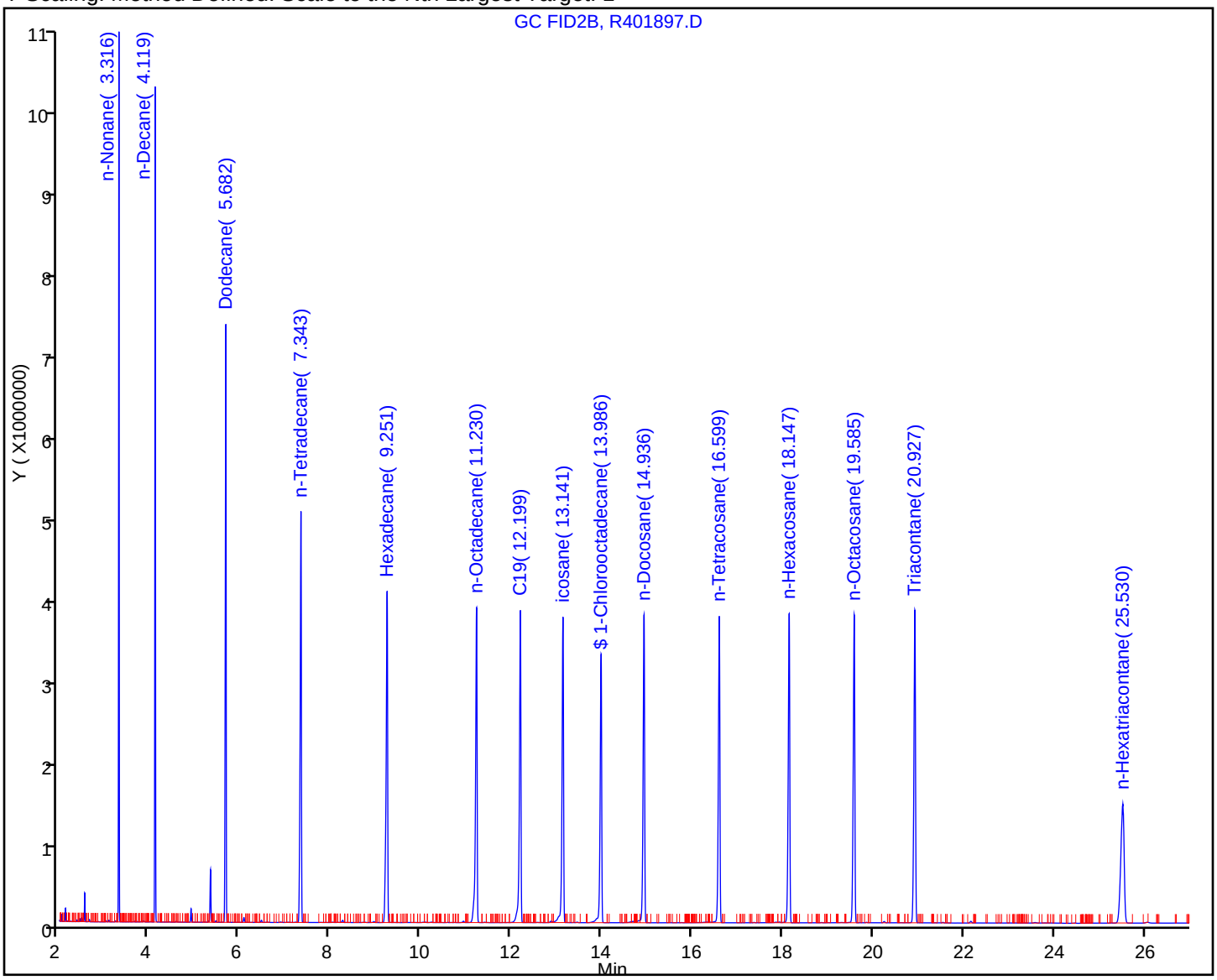
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.251	0.000	8949699	48.7	
16 Phenanthrene						
1	9.457	9.457	0.000	7003590	42.3	
17 Anthracene						
1	9.548	9.548	0.000	6883651	44.5	
20 n-Octadecane						
2	11.230	11.230	0.000	8749334	48.0	
19 Fluoranthene						
1	11.952	11.952	0.000	6847303	43.4	
22 C19						
2	12.199	12.199	0.000	8602385	48.5	
21 Pyrene						
1	12.416	12.416	0.000	7223783	42.9	
23 icosane						
2	13.141	13.141	0.000	8461040	48.1	
27 n-Docosane						
2	14.936	14.936	0.000	8312241	47.3	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	6445554	46.0	
25 Chrysene						
1	15.242	15.242	0.000	6756828	46.6	
28 n-Tetracosane						
2	16.599	16.599	0.000	8365816	46.9	
29 Benzo[b]fluoranthene						
1	17.471	17.471	0.000	6513592	46.8	
30 Benzo[k]fluoranthene						
1	17.532	17.532	0.000	6417611	47.8	
31 Benzo[a]pyrene						
1	18.093	18.093	0.000	6518621	46.0	
32 n-Hexacosane						
2	18.147	18.147	0.000	8488611	50.2	
35 n-Octacosane						
2	19.585	19.585	0.000	8657656	50.4	
33 Indeno[1,2,3-cd]pyrene						
1	20.127	20.127	0.000	5594474	43.6	
34 Dibenz(a,h)anthracene						
1	20.196	20.196	0.000	5299698	42.4	
36 Benzo[g,h,i]perylene						
1	20.545	20.545	0.000	5325427	42.5	
37 Triacontane						
2	20.927	20.927	0.000	8880516	48.7	
38 n-Hexatriacontane						M
2	25.530	25.530	0.000	7188457	47.1	M
A 39 C9-C18 Aliphatics						
2	7.272	3.216 - 11.330		61851417	294.4	
A 40 C11-C22 Aromatics						
1	12.803	4.597 - 20.993		116369379	746.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.596	11.330	-25.842	72695146	401.7	
S 44 EPH Adjustment 1						
1					661.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					84.8	
S 43 Total EPH						
2					780.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:20:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401897.D
Injection Date: 09-Dec-2011 01:19:41 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84518 Lims Sample ID: 22
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



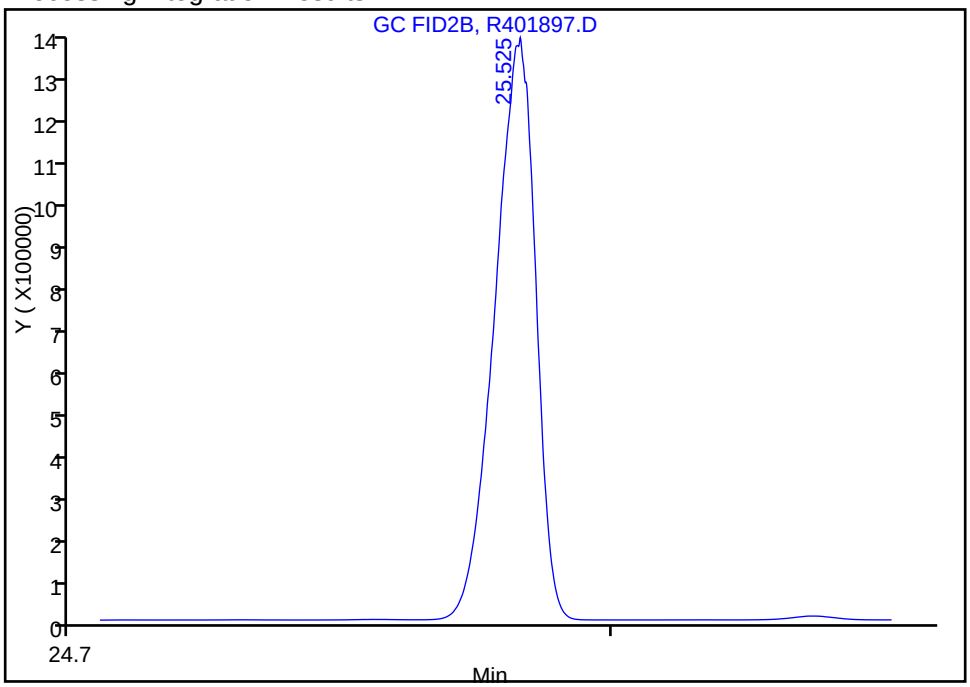
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401897.D		
Injection Date:	09-Dec-2011 01:19:41	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	22
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.53, Det: GC FID2B

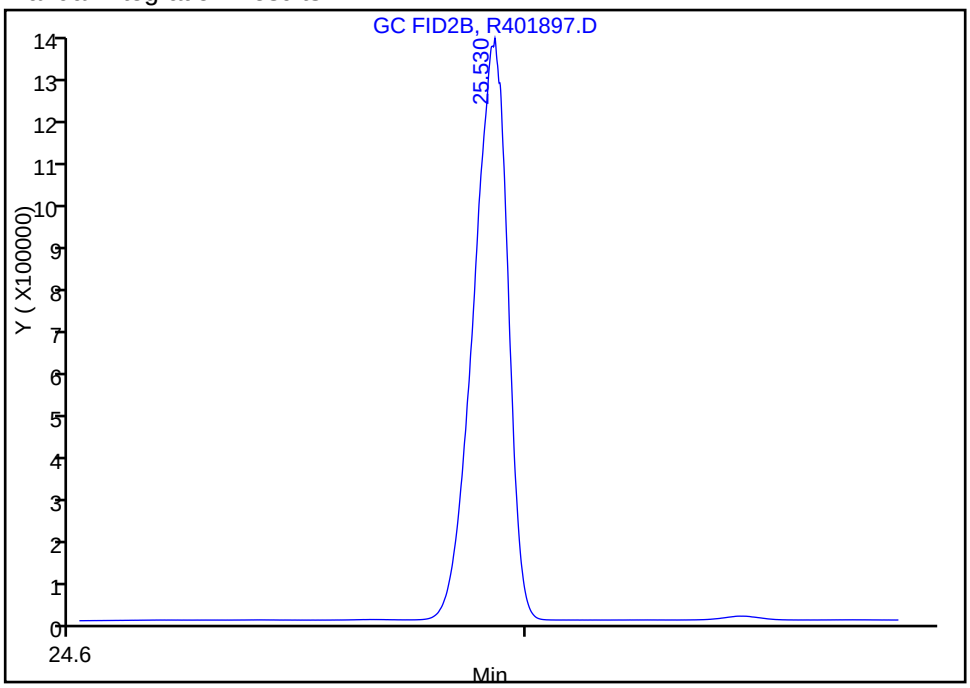
Processing Integration Results

RT: 25.52
Response: 987403
Amount: 6.475616



Manual Integration Results

RT: 25.53
Response: 7188457
Amount: 47.143556



Reviewer: malanowskiv, 09-Dec-2011 07:02:29
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84518/36 Calibration Date: 12/09/2011 11:34

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401929.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	150944		42.6	50.0	-14.8	25.0
2-Methylnaphthalene	Ave	171616	144198		42.0	50.0	-16.0	25.0
Acenaphthylene	Ave	178861	142843		39.9	50.0	-20.1	25.0
Acenaphthene	Ave	178269	143969		40.4	50.0	-19.2	25.0
Fluorene	Ave	172973	140745		40.7	50.0	-18.6	25.0
Phenanthrene	Ave	165465	134831		40.7	50.0	-18.5	25.0
Anthracene	Lin1		132909		43.0	50.0	-14.0	25.0
Fluoranthene	Ave	157744	131176		41.6	50.0	-16.8	25.0
Pyrene	Ave	168253	138953		41.3	50.0	-17.4	25.0
C11-C22 Aromatics (unadjusted)	Ave	155886	131831		719	850	-15.4	25.0
Benzo[a]anthracene	Lin1		124119		44.3	50.0	-11.4	25.0
Chrysene	Lin1		130381		45.0	50.0	-10.0	25.0
Benzo[b]fluoranthene	Lin1		124244		44.6	50.0	-10.8	25.0
Benzo[k]fluoranthene	Lin1		124761		46.4	50.0	-7.2	25.0
Benzo[a]pyrene	Lin1		125514		44.3	50.0	-11.4	25.0
Indeno[1,2,3-cd]pyrene	Lin1		104934		40.9	50.0	-18.2	25.0
Dibenz(a,h)anthracene	Lin1		103453		41.3	50.0	-17.4	25.0
Benzo[g,h,i]perylene	Lin1		101711		40.6	50.0	-18.8	25.0
2-Fluorobiphenyl	Ave	142273	115855		40.7	50.0	-18.6	25.0
2-Bromonaphthalene	Ave	94136	77931		41.4	50.0	-17.2	25.0
o-Terphenyl	Ave	178720	141915		39.7	50.0	-20.6	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84518/36 Calibration Date: 12/09/2011 11:34

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401929.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.61	6.51	6.71
Acenaphthene	6.89	6.79	6.99
Fluorene	7.70	7.60	7.80
Phenanthrene	9.46	9.36	9.56
Anthracene	9.55	9.45	9.65
Fluoranthene	11.95	11.85	12.05
Pyrene	12.41	12.31	12.51
C11-C22 Aromatics (unadjusted)	12.80	4.60	20.99
Benzo[a]anthracene	15.14	15.04	15.24
Chrysene	15.24	15.14	15.34
Benzo[b]fluoranthene	17.47	17.37	17.57
Benzo[k]fluoranthene	17.53	17.43	17.63
Benzo[a]pyrene	18.09	17.99	18.19
Indeno[1,2,3-cd]pyrene	20.13	20.03	20.23
Dibenz(a,h)anthracene	20.19	20.09	20.29
Benzo[g,h,i]perylene	20.54	20.44	20.64
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.80	6.70	6.90
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401929.D
Lims ID: ccv Client ID:
Inject. Date: 09-Dec-2011 11:34:36 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84518 Lims Sample ID: 36
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:24:23 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:20:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.940	5.940	0.000	5792738	40.7	
$ 2 2-Bromonaphthalene						
1	6.800	6.800	0.000	3896545	41.4	
$ 3 o-Terphenyl						
1	10.405	10.405	0.000	7095743	39.7	
$ 4 1-Chlorooctadecane						
2	13.984	13.984	0.000	6964745	45.4	
5 n-Nonane						
2	3.315	3.315	0.000	9078406	50.5	
6 n-Decane						
2	4.119	4.119	0.000	9349873	47.1	
7 Naphthalene						
1	4.695	4.695	0.000	7547210	42.6	
8 2-Methylnaphthalene						
1	5.465	5.465	0.000	7209916	42.0	
9 Dodecane						
2	5.680	5.680	0.000	9239450	48.9	
11 Acenaphthylene						
1	6.613	6.613	0.000	7142125	39.9	
12 Acenaphthene						
1	6.892	6.892	0.000	7198433	40.4	
15 n-Tetradecane						
2	7.343	7.343	0.000	8880105	49.3	
14 Fluorene						
1	7.704	7.704	0.000	7037265	40.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.250	9.250	0.000	8712437	47.4	
16 Phenanthrene						
1	9.455	9.455	0.000	6741540	40.7	
17 Anthracene						
1	9.546	9.546	0.000	6645474	43.0	
20 n-Octadecane						
2	11.227	11.227	0.000	8514204	46.7	
19 Fluoranthene						
1	11.950	11.950	0.000	6558823	41.6	
22 C19						
2	12.199	12.199	0.000	8345283	47.1	
21 Pyrene						
1	12.414	12.414	0.000	6947654	41.3	
23 icosane						
2	13.139	13.139	0.000	7954077	45.2	
27 n-Docosane						
2	14.935	14.935	0.000	8071851	46.0	
24 Benzo[a]anthracene						
1	15.143	15.143	0.000	6205949	44.3	
25 Chrysene						
1	15.240	15.240	0.000	6519028	45.0	
28 n-Tetracosane						
2	16.600	16.600	0.000	8095377	45.4	
29 Benzo[b]fluoranthene						
1	17.470	17.470	0.000	6212199	44.6	
30 Benzo[k]fluoranthene						
1	17.530	17.530	0.000	6238041	46.4	
31 Benzo[a]pyrene						
1	18.089	18.089	0.000	6275712	44.3	
32 n-Hexacosane						
2	18.145	18.145	0.000	8256755	48.8	
35 n-Octacosane						
2	19.585	19.585	0.000	8420454	49.0	
33 Indeno[1,2,3-cd]pyrene						
1	20.125	20.125	0.000	5246716	40.9	
34 Dibenz(a,h)anthracene						
1	20.191	20.191	0.000	5172656	41.3	
36 Benzo[g,h,i]perylene						
1	20.542	20.542	0.000	5085564	40.6	
37 Triacontane						
2	20.926	20.926	0.000	8628870	47.3	
38 n-Hexatriacontane						M
2	25.525	25.525	0.000	7130186	46.8	M
A 39 C9-C18 Aliphatics						
2	7.273	3.215 - 11.327		60784084	288.6	
A 40 C11-C22 Aromatics						
1	12.795	4.595 - 20.992		112056363	718.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.586	11.327	-25.816	71201724	392.8	
S 44 EPH Adjustment 1						
1					637.4	
S 42 C11-C22 Aromatics (Adjusted)						
2					81.5	
S 43 Total EPH						
2					762.8	

QC Flag Legend

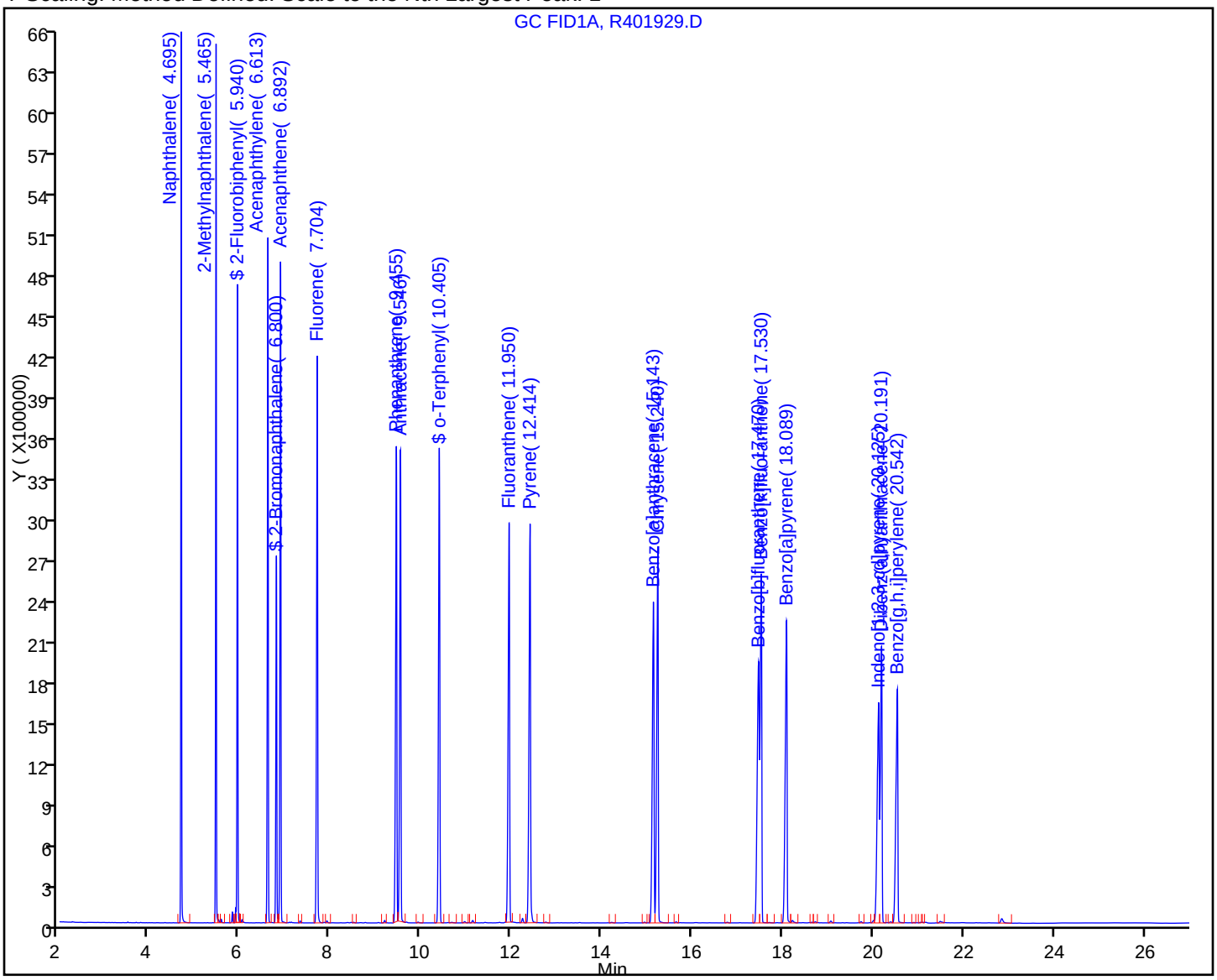
Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:24:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401929.D

Injection Date:	09-Dec-2011 11:34:36	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	36
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84518/36 Calibration Date: 12/09/2011 11:34

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401929.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		181568		50.5	50.0	1.0	30.0
n-Decane	Ave	198709	186997		47.1	50.0	-5.9	25.0
Dodecane	Ave	189041	184789		48.9	50.0	-2.2	25.0
C9-C18 Aliphatics	Lin1		202614		289	300	-3.8	25.0
n-Tetradecane	Lin2		177602		49.3	50.0	-1.4	25.0
Hexadecane	Ave	183947	174249		47.4	50.0	-5.3	25.0
n-Octadecane	Ave	182400	170284		46.7	50.0	-6.6	25.0
C19	Ave	177362	166906		47.1	50.0	-5.9	25.0
icosane	Ave	175805	159082		45.2	50.0	-9.5	25.0
n-Docosane	Ave	175561	161437		46.0	50.0	-8.0	25.0
n-Tetracosane	Ave	178308	161908		45.4	50.0	-9.2	25.0
n-Hexacosane	Lin1		165135		48.8	50.0	-2.4	25.0
C19-C36 Aliphatics	Lin1		178004		393	400	-1.8	25.0
n-Octacosane	Lin2		168409		49.0	50.0	-2.0	25.0
Triacontane	Ave	182275	172577		47.3	50.0	-5.3	25.0
n-Hexatriacontane	Ave	152480	142604		46.8	50.0	-6.5	25.0
1-Chlorooctadecane	Ave	153344	139295		45.4	50.0	-9.2	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84518/36 Calibration Date: 12/09/2011 11:34

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401929.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.32	3.22	3.42
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.22	11.33
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.25	9.15	9.35
n-Octadecane	11.23	11.13	11.33
C19	12.20	12.10	12.30
icosane	13.14	13.04	13.24
n-Docosane	14.94	14.84	15.04
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.15	18.05	18.25
C19-C36 Aliphatics	18.59	11.33	25.82
n-Octacosane	19.59	19.49	19.69
Triacontane	20.93	20.83	21.03
n-Hexatriacontane	25.53	25.43	25.63
1-Chlorooctadecane	13.98	13.88	14.08

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401929.D
Lims ID: ccv Client ID:
Inject. Date: 09-Dec-2011 11:34:36 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84518 Lims Sample ID: 36
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:24:23 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:20:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.940	5.940	0.000	5792738	40.7	
$ 2 2-Bromonaphthalene						
1	6.800	6.800	0.000	3896545	41.4	
$ 3 o-Terphenyl						
1	10.405	10.405	0.000	7095743	39.7	
$ 4 1-Chlorooctadecane						
2	13.984	13.984	0.000	6964745	45.4	
5 n-Nonane						
2	3.315	3.315	0.000	9078406	50.5	
6 n-Decane						
2	4.119	4.119	0.000	9349873	47.1	
7 Naphthalene						
1	4.695	4.695	0.000	7547210	42.6	
8 2-Methylnaphthalene						
1	5.465	5.465	0.000	7209916	42.0	
9 Dodecane						
2	5.680	5.680	0.000	9239450	48.9	
11 Acenaphthylene						
1	6.613	6.613	0.000	7142125	39.9	
12 Acenaphthene						
1	6.892	6.892	0.000	7198433	40.4	
15 n-Tetradecane						
2	7.343	7.343	0.000	8880105	49.3	
14 Fluorene						
1	7.704	7.704	0.000	7037265	40.7	

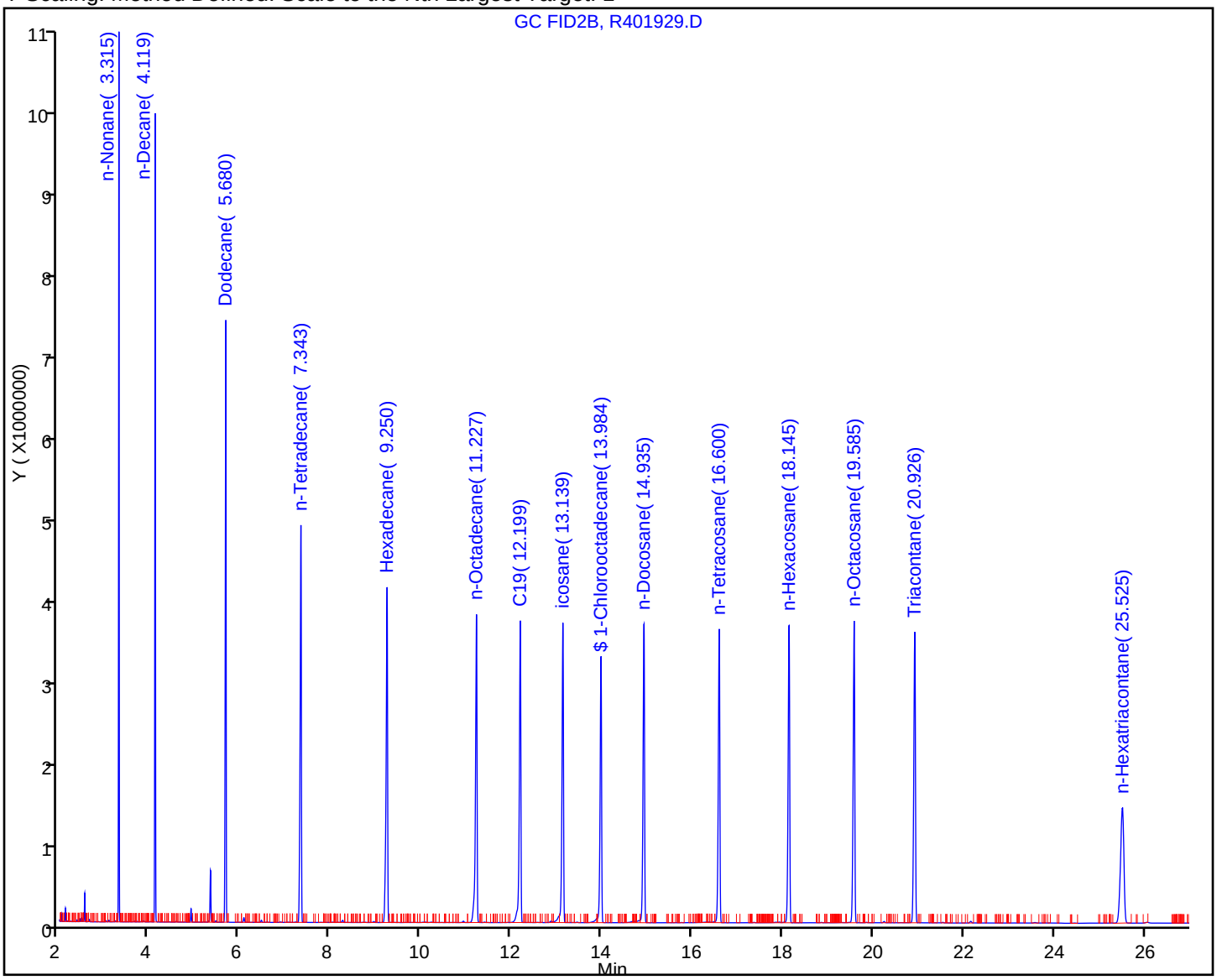
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.250	9.250	0.000	8712437	47.4	
16 Phenanthrene						
1	9.455	9.455	0.000	6741540	40.7	
17 Anthracene						
1	9.546	9.546	0.000	6645474	43.0	
20 n-Octadecane						
2	11.227	11.227	0.000	8514204	46.7	
19 Fluoranthene						
1	11.950	11.950	0.000	6558823	41.6	
22 C19						
2	12.199	12.199	0.000	8345283	47.1	
21 Pyrene						
1	12.414	12.414	0.000	6947654	41.3	
23 icosane						
2	13.139	13.139	0.000	7954077	45.2	
27 n-Docosane						
2	14.935	14.935	0.000	8071851	46.0	
24 Benzo[a]anthracene						
1	15.143	15.143	0.000	6205949	44.3	
25 Chrysene						
1	15.240	15.240	0.000	6519028	45.0	
28 n-Tetracosane						
2	16.600	16.600	0.000	8095377	45.4	
29 Benzo[b]fluoranthene						
1	17.470	17.470	0.000	6212199	44.6	
30 Benzo[k]fluoranthene						
1	17.530	17.530	0.000	6238041	46.4	
31 Benzo[a]pyrene						
1	18.089	18.089	0.000	6275712	44.3	
32 n-Hexacosane						
2	18.145	18.145	0.000	8256755	48.8	
35 n-Octacosane						
2	19.585	19.585	0.000	8420454	49.0	
33 Indeno[1,2,3-cd]pyrene						
1	20.125	20.125	0.000	5246716	40.9	
34 Dibenz(a,h)anthracene						
1	20.191	20.191	0.000	5172656	41.3	
36 Benzo[g,h,i]perylene						
1	20.542	20.542	0.000	5085564	40.6	
37 Triacontane						
2	20.926	20.926	0.000	8628870	47.3	
38 n-Hexatriacontane						M
2	25.525	25.525	0.000	7130186	46.8	M
A 39 C9-C18 Aliphatics						
2	7.273	3.215 - 11.327		60784084	288.6	
A 40 C11-C22 Aromatics						
1	12.795	4.595 - 20.992		112056363	718.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.586	11.327	-25.816	71201724	392.8	
S 44 EPH Adjustment 1						
1					637.4	
S 42 C11-C22 Aromatics (Adjusted)						
2					81.5	
S 43 Total EPH						
2					762.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:24:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401929.D
Injection Date: 09-Dec-2011 11:34:36 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84518 Lims Sample ID: 36
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



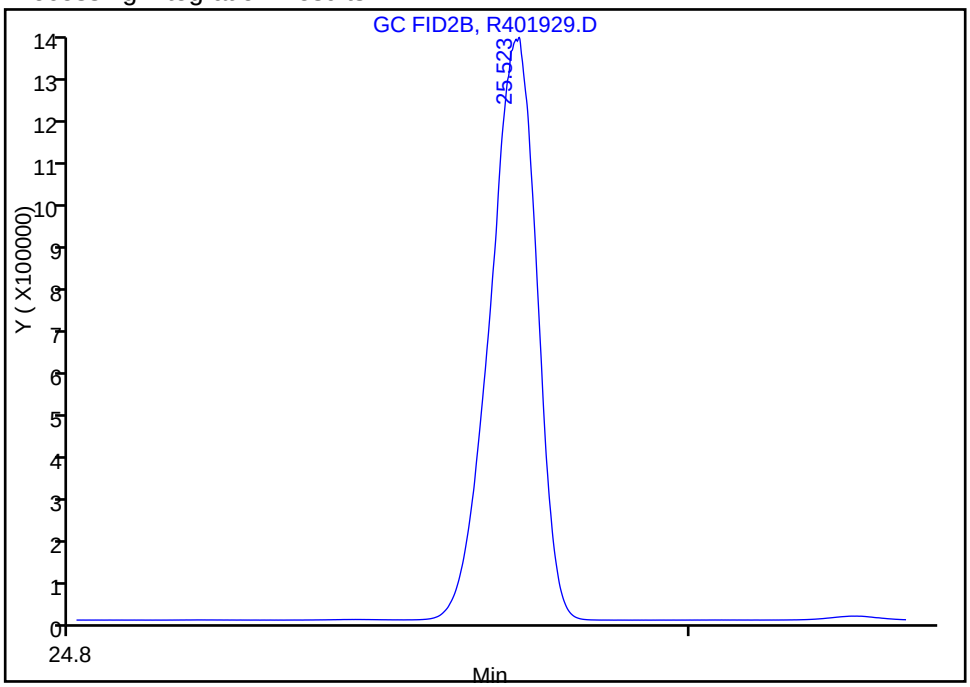
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401929.D		
Injection Date:	09-Dec-2011 11:34:36	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	36
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

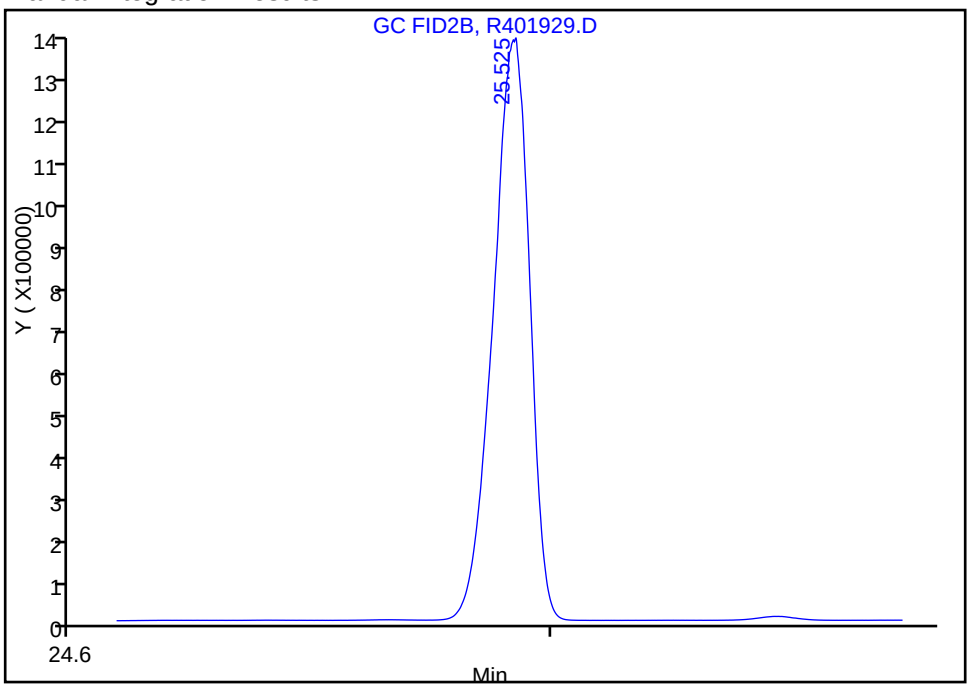
Processing Integration Results

RT: 25.52
Response: 1180852
Amount: 7.744299



Manual Integration Results

RT: 25.52
Response: 7130186
Amount: 46.761401



Reviewer: malanowskiv, 09-Dec-2011 12:10:24
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCVRT 360-84590/1 Calibration Date: 12/12/2011 09:53

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401977.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	180897		51.1	50.0	2.2	25.0
2-Methylnaphthalene	Ave	171616	175572		51.2	50.0	2.3	25.0
Acenaphthylene	Ave	178861	175029		48.9	50.0	-2.1	25.0
Acenaphthene	Ave	178269	177568		49.8	50.0	-0.4	25.0
Fluorene	Ave	172973	174149		50.3	50.0	0.7	25.0
Phenanthrene	Ave	165465	165020		49.9	50.0	-0.3	25.0
Anthracene	Lin1		162219		52.5	50.0	5.0	25.0
Fluoranthene	Ave	157744	161466		51.2	50.0	2.4	25.0
Pyrene	Ave	168253	169059		50.2	50.0	0.5	25.0
C11-C22 Aromatics (unadjusted)	Ave	155886	164890		899	850	5.8	25.0
Benzo[a]anthracene	Lin1		149644		53.4	50.0	6.8	25.0
Chrysene	Lin1		155918		53.8	50.0	7.6	25.0
Benzo[b]fluoranthene	Lin1		155293		55.8	50.0	11.6	25.0
Benzo[k]fluoranthene	Lin1		144612		53.9	50.0	7.8	25.0
Benzo[a]pyrene	Lin1		153109		54.0	50.0	8.0	25.0
Indeno[1,2,3-cd]pyrene	Lin1		147277		57.4	50.0	14.8	25.0
Dibenz(a,h)anthracene	Lin1		137723		55.1	50.0	10.2	25.0
Benzo[g,h,i]perylene	Lin1		144131		57.6	50.0	15.2	25.0
2-Fluorobiphenyl	Ave	142273	142029		49.9	50.0	-0.2	25.0
2-Bromonaphthalene	Ave	94136	96317		51.2	50.0	2.3	25.0
o-Terphenyl	Ave	178720	172828		48.4	50.0	-3.3	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCVRT 360-84590/1 Calibration Date: 12/12/2011 09:53

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401977.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.62	6.52	6.72
Acenaphthene	6.90	6.80	7.00
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.55	9.45	9.65
Fluoranthene	11.95	11.85	12.05
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics (unadjusted)	12.80	4.60	20.94
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.25	15.15	15.35
Benzo[b]fluoranthene	17.47	17.37	17.57
Benzo[k]fluoranthene	17.54	17.44	17.64
Benzo[a]pyrene	18.10	18.00	18.20
Indeno[1,2,3-cd]pyrene	20.14	20.04	20.24
Dibenz(a,h)anthracene	20.21	20.11	20.31
Benzo[g,h,i]perylene	20.56	20.46	20.66
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.80	6.70	6.90
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401977.D
Lims ID: CCVRT Client ID:
Inject. Date: 12-Dec-2011 09:53:48 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84590 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m
Last Update: 12-Dec-2011 14:09:50 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

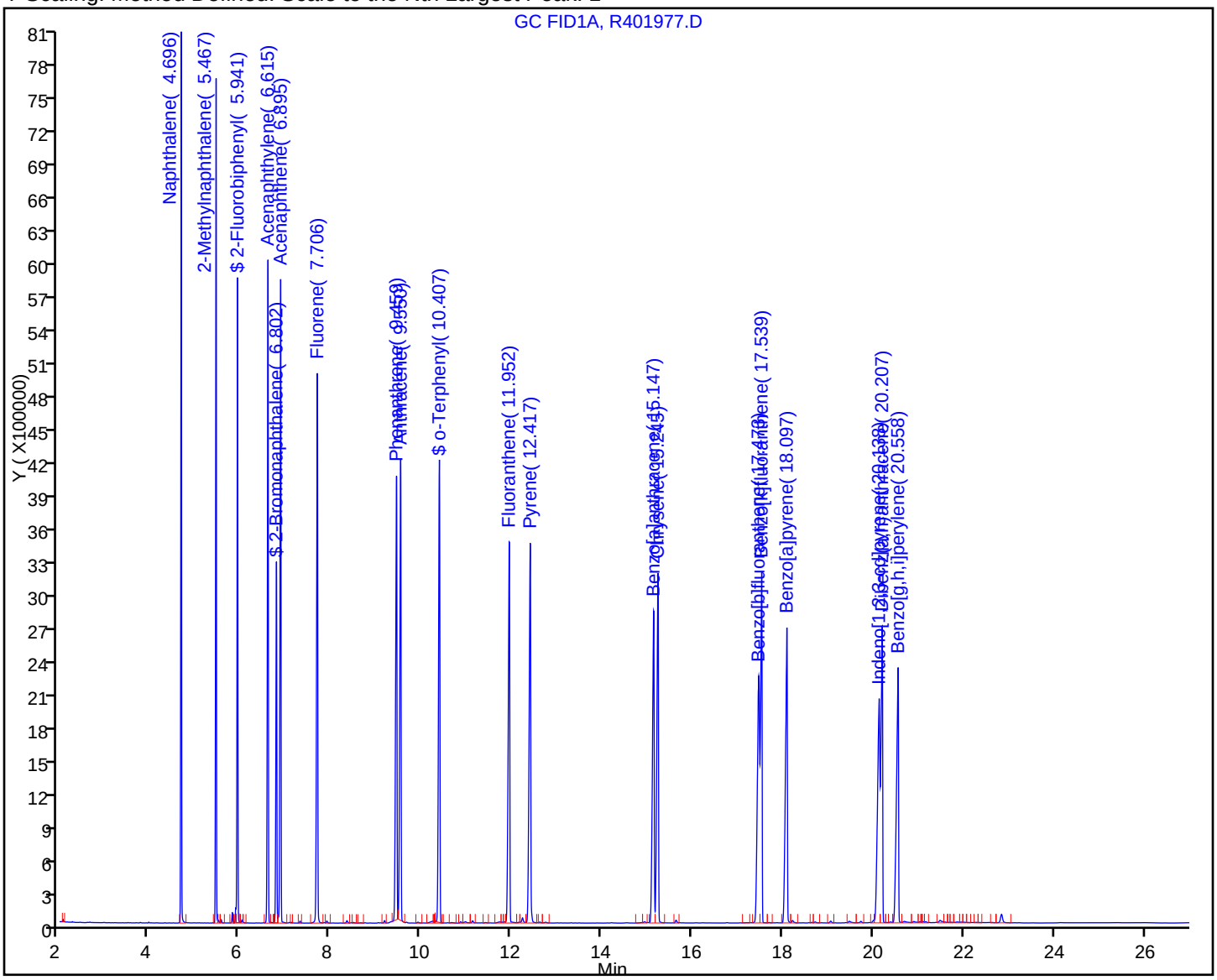
First Level Reviewer: malanowskiv Date: 12-Dec-2011 13:35:57

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.941	5.941	0.000	7101466	49.9	
$ 2 2-Bromonaphthalene						
1	6.802	6.802	0.000	4815829	51.2	
$ 3 o-Terphenyl						
1	10.407	10.407	0.000	8641416	48.4	
$ 4 1-Chlorooctadecane						
2	13.978	13.978	0.000	7178350	46.8	
5 n-Nonane						
2	3.317	3.317	0.000	8440034	47.0	
6 n-Decane						
2	4.121	4.121	0.000	8690600	43.7	
7 Naphthalene						
1	4.696	4.696	0.000	9044871	51.1	
8 2-Methylnaphthalene						
1	5.467	5.467	0.000	8778589	51.2	
9 Dodecane						
2	5.679	5.679	0.000	8660533	45.8	
11 Acenaphthylene						
1	6.615	6.615	0.000	8751463	48.9	
12 Acenaphthene						
1	6.895	6.895	0.000	8878416	49.8	
15 n-Tetradecane						
2	7.340	7.340	0.000	8439969	46.9	
14 Fluorene						
1	7.706	7.706	0.000	8707425	50.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.243	9.243	0.000	8420798	45.8	
16 Phenanthrene						
1	9.459	9.459	0.000	8250980	49.9	
17 Anthracene						
1	9.550	9.550	0.000	8110956	52.5	
20 n-Octadecane						
2	11.222	11.222	0.000	8326596	45.7	
19 Fluoranthene						
1	11.952	11.952	0.000	8073286	51.2	
22 C19						
2	12.192	12.192	0.000	8226451	46.4	
21 Pyrene						
1	12.417	12.417	0.000	8452968	50.2	
23 icosane						
2	13.137	13.137	0.000	8121294	46.2	
27 n-Docosane						
2	14.929	14.929	0.000	7652351	43.6	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	7482196	53.4	
25 Chrysene						
1	15.245	15.245	0.000	7795908	53.8	
28 n-Tetracosane						
2	16.597	16.597	0.000	7773333	43.6	
29 Benzo[b]fluoranthene						
1	17.473	17.473	0.000	7764642	55.8	
30 Benzo[k]fluoranthene						
1	17.539	17.539	0.000	7230575	53.9	
31 Benzo[a]pyrene						
1	18.097	18.097	0.000	7655425	54.0	
32 n-Hexacosane						
2	18.141	18.141	0.000	7889763	46.6	
35 n-Octacosane						
2	19.579	19.579	0.000	8003559	46.6	
33 Indeno[1,2,3-cd]pyrene						
1	20.138	20.138	0.000	7363841	57.4	
34 Dibenz(a,h)anthracene						
1	20.207	20.207	0.000	6886170	55.1	
36 Benzo[g,h,i]perylene						
1	20.558	20.558	0.000	7206534	57.6	
37 Triacontane						
2	20.921	20.921	0.000	8089266	44.4	
38 n-Hexatriacontane						
2	25.518	25.518	0.000	7149431	46.9	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		57509885	270.9	
A 40 C11-C22 Aromatics						
1	12.796	4.596 - 20.938		140156240	809.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.578	11.322	-25.792	66929458	367.4	
S 44 EPH Adjustment 1						
1					783.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					115.5	
S 43 Total EPH						
2					753.9	

Report Date: 12-Dec-2011 14:09:50 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401977.D
Injection Date: 12-Dec-2011 09:53:48 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84590 Lims Sample ID: 1
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCVRT 360-84590/1 Calibration Date: 12/12/2011 09:53

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401977.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		168801		47.0	50.0	-6.0	30.0
n-Decane	Ave	198709	173812		43.7	50.0	-12.5	25.0
Dodecane	Ave	189041	173211		45.8	50.0	-8.4	25.0
C9-C18 Aliphatics	Lin1		191700		271	300	-9.7	25.0
n-Tetradecane	Lin2		168799		46.9	50.0	-6.2	25.0
Hexadecane	Ave	183947	168416		45.8	50.0	-8.4	25.0
n-Octadecane	Ave	182400	166532		45.7	50.0	-8.7	25.0
C19	Ave	177362	164529		46.4	50.0	-7.2	25.0
icosane	Ave	175805	162426		46.2	50.0	-7.6	25.0
n-Docosane	Ave	175561	153047		43.6	50.0	-12.8	25.0
n-Tetracosane	Ave	178308	155467		43.6	50.0	-12.8	25.0
n-Hexacosane	Lin1		157795		46.6	50.0	-6.8	25.0
C19-C36 Aliphatics	Lin1		167324		367	400	-8.2	25.0
n-Octacosane	Lin2		160071		46.6	50.0	-6.8	25.0
Triacontane	Ave	182275	161785		44.4	50.0	-11.2	25.0
n-Hexatriacontane	Ave	152480	142989		46.9	50.0	-6.2	25.0
1-Chlorooctadecane	Ave	153344	143567		46.8	50.0	-6.4	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCVRT 360-84590/1 Calibration Date: 12/12/2011 09:53

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401977.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.32	3.22	3.42
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.22	11.32
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.24	9.14	9.34
n-Octadecane	11.22	11.12	11.32
C19	12.19	12.09	12.29
icosane	13.14	13.04	13.24
n-Docosane	14.93	14.83	15.03
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.14	18.04	18.24
C19-C36 Aliphatics	18.58	11.32	25.79
n-Octacosane	19.58	19.48	19.68
Triacontane	20.92	20.82	21.02
n-Hexatriacontane	25.52	25.42	25.62
1-Chlorooctadecane	13.98	13.88	14.08

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401977.D
Lims ID: CCVRT Client ID:
Inject. Date: 12-Dec-2011 09:53:48 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84590 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m
Last Update: 12-Dec-2011 14:09:50 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

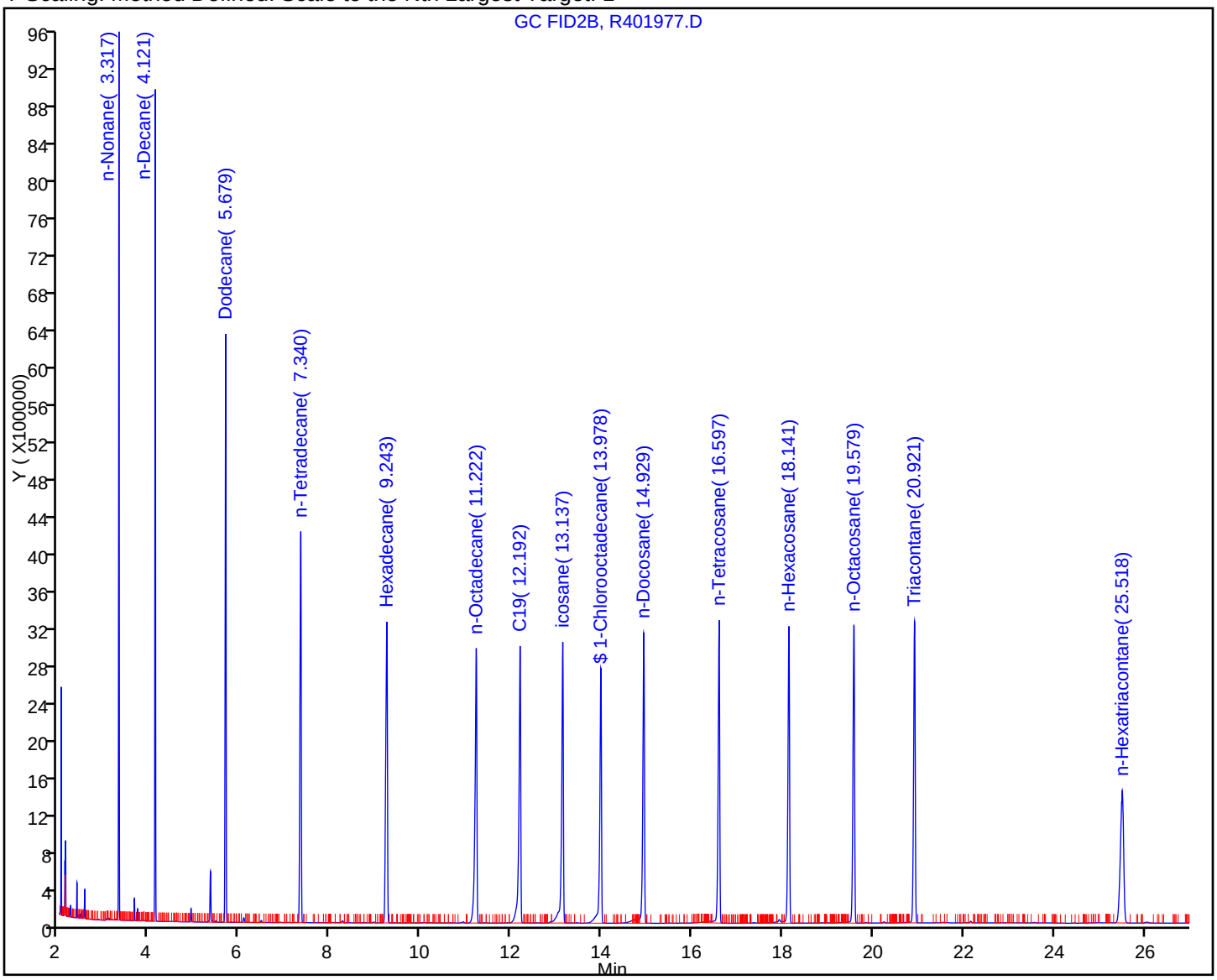
First Level Reviewer: malanowskiv Date: 12-Dec-2011 13:35:57

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.941	5.941	0.000	7101466	49.9	
$ 2 2-Bromonaphthalene						
1	6.802	6.802	0.000	4815829	51.2	
$ 3 o-Terphenyl						
1	10.407	10.407	0.000	8641416	48.4	
$ 4 1-Chlorooctadecane						
2	13.978	13.978	0.000	7178350	46.8	
5 n-Nonane						
2	3.317	3.317	0.000	8440034	47.0	
6 n-Decane						
2	4.121	4.121	0.000	8690600	43.7	
7 Naphthalene						
1	4.696	4.696	0.000	9044871	51.1	
8 2-Methylnaphthalene						
1	5.467	5.467	0.000	8778589	51.2	
9 Dodecane						
2	5.679	5.679	0.000	8660533	45.8	
11 Acenaphthylene						
1	6.615	6.615	0.000	8751463	48.9	
12 Acenaphthene						
1	6.895	6.895	0.000	8878416	49.8	
15 n-Tetradecane						
2	7.340	7.340	0.000	8439969	46.9	
14 Fluorene						
1	7.706	7.706	0.000	8707425	50.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.243	9.243	0.000	8420798	45.8	
16 Phenanthrene						
1	9.459	9.459	0.000	8250980	49.9	
17 Anthracene						
1	9.550	9.550	0.000	8110956	52.5	
20 n-Octadecane						
2	11.222	11.222	0.000	8326596	45.7	
19 Fluoranthene						
1	11.952	11.952	0.000	8073286	51.2	
22 C19						
2	12.192	12.192	0.000	8226451	46.4	
21 Pyrene						
1	12.417	12.417	0.000	8452968	50.2	
23 icosane						
2	13.137	13.137	0.000	8121294	46.2	
27 n-Docosane						
2	14.929	14.929	0.000	7652351	43.6	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	7482196	53.4	
25 Chrysene						
1	15.245	15.245	0.000	7795908	53.8	
28 n-Tetracosane						
2	16.597	16.597	0.000	7773333	43.6	
29 Benzo[b]fluoranthene						
1	17.473	17.473	0.000	7764642	55.8	
30 Benzo[k]fluoranthene						
1	17.539	17.539	0.000	7230575	53.9	
31 Benzo[a]pyrene						
1	18.097	18.097	0.000	7655425	54.0	
32 n-Hexacosane						
2	18.141	18.141	0.000	7889763	46.6	
35 n-Octacosane						
2	19.579	19.579	0.000	8003559	46.6	
33 Indeno[1,2,3-cd]pyrene						
1	20.138	20.138	0.000	7363841	57.4	
34 Dibenz(a,h)anthracene						
1	20.207	20.207	0.000	6886170	55.1	
36 Benzo[g,h,i]perylene						
1	20.558	20.558	0.000	7206534	57.6	
37 Triacontane						
2	20.921	20.921	0.000	8089266	44.4	
38 n-Hexatriacontane						
2	25.518	25.518	0.000	7149431	46.9	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		57509885	270.9	
A 40 C11-C22 Aromatics						
1	12.796	4.596 - 20.938		140156240	809.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.578	11.322	-25.792	66929458	367.4	
S 44 EPH Adjustment 1						
1					783.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					115.5	
S 43 Total EPH						
2					753.9	

Report Date: 12-Dec-2011 14:09:50 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401977.D
Injection Date: 12-Dec-2011 09:53:48 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84590 Lims Sample ID: 1
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84590/22 Calibration Date: 12/12/2011 13:23

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401989.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	187194		52.9	50.0	5.7	25.0
2-Methylnaphthalene	Ave	171616	181110		52.8	50.0	5.5	25.0
Acenaphthylene	Ave	178861	179384		50.1	50.0	0.3	25.0
Acenaphthene	Ave	178269	181390		50.9	50.0	1.8	25.0
Fluorene	Ave	172973	178701		51.7	50.0	3.3	25.0
Phenanthrene	Ave	165465	169021		51.1	50.0	2.1	25.0
Anthracene	Lin1		165341		53.5	50.0	7.0	25.0
Fluoranthene	Ave	157744	165050		52.3	50.0	4.6	25.0
Pyrene	Ave	168253	172747		51.3	50.0	2.7	25.0
C11-C22 Aromatics (unadjusted)	Ave	155886	168625		920	850	8.2	25.0
Benzo[a]anthracene	Lin1		153610		54.8	50.0	9.6	25.0
Chrysene	Lin1		160102		55.3	50.0	10.6	25.0
Benzo[b]fluoranthene	Lin1		157127		56.4	50.0	12.8	25.0
Benzo[k]fluoranthene	Lin1		151012		56.3	50.0	12.6	25.0
Benzo[a]pyrene	Lin1		157275		55.5	50.0	11.0	25.0
Indeno[1,2,3-cd]pyrene	Lin1		150651		58.7	50.0	17.4	25.0
Dibenz(a,h)anthracene	Lin1		140731		56.3	50.0	12.6	25.0
Benzo[g,h,i]perylene	Lin1		147536		59.0	50.0	18.0	25.0
2-Fluorobiphenyl	Ave	142273	146399		51.4	50.0	2.9	25.0
2-Bromonaphthalene	Ave	94136	98953		52.6	50.0	5.1	25.0
o-Terphenyl	Ave	178720	176929		49.5	50.0	-1.0	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84590/22 Calibration Date: 12/12/2011 13:23

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401989.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.62	6.52	6.72
Acenaphthene	6.90	6.80	7.00
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.56	9.46	9.66
Fluoranthene	11.96	11.86	12.06
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics (unadjusted)	12.77	4.60	21.00
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.25	15.15	15.35
Benzo[b]fluoranthene	17.48	17.38	17.58
Benzo[k]fluoranthene	17.55	17.45	17.65
Benzo[a]pyrene	18.10	18.00	18.20
Indeno[1,2,3-cd]pyrene	20.14	20.04	20.24
Dibenz(a,h)anthracene	20.21	20.11	20.31
Benzo[g,h,i]perylene	20.56	20.46	20.66
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.81	6.71	6.91
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401989.D
Lims ID: ccv Client ID:
Inject. Date: 12-Dec-2011 13:23:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84590 Lims Sample ID: 22
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m
Last Update: 13-Dec-2011 12:51:41 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:49:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.944	5.944	0.000	7319953	51.4	
$ 2 2-Bromonaphthalene						
1	6.805	6.805	0.000	4947629	52.6	
$ 3 o-Terphenyl						
1	10.413	10.413	0.000	8846428	49.5	
$ 4 1-Chlorooctadecane						
2	13.979	13.979	0.000	6839858	44.6	
5 n-Nonane						
2	3.313	3.313	0.000	8581301	47.8	
6 n-Decane						
2	4.118	4.118	0.000	8842592	44.5	
7 Naphthalene						
1	4.699	4.699	0.000	9359723	52.9	
8 2-Methylnaphthalene						
1	5.469	5.469	0.000	9055494	52.8	
9 Dodecane						
2	5.676	5.676	0.000	8795580	46.5	
11 Acenaphthylene						
1	6.618	6.618	0.000	8969219	50.1	
12 Acenaphthene						
1	6.899	6.899	0.000	9069522	50.9	
15 n-Tetradecane						
2	7.339	7.339	0.000	8570159	47.6	
14 Fluorene						
1	7.712	7.712	0.000	8935042	51.7	

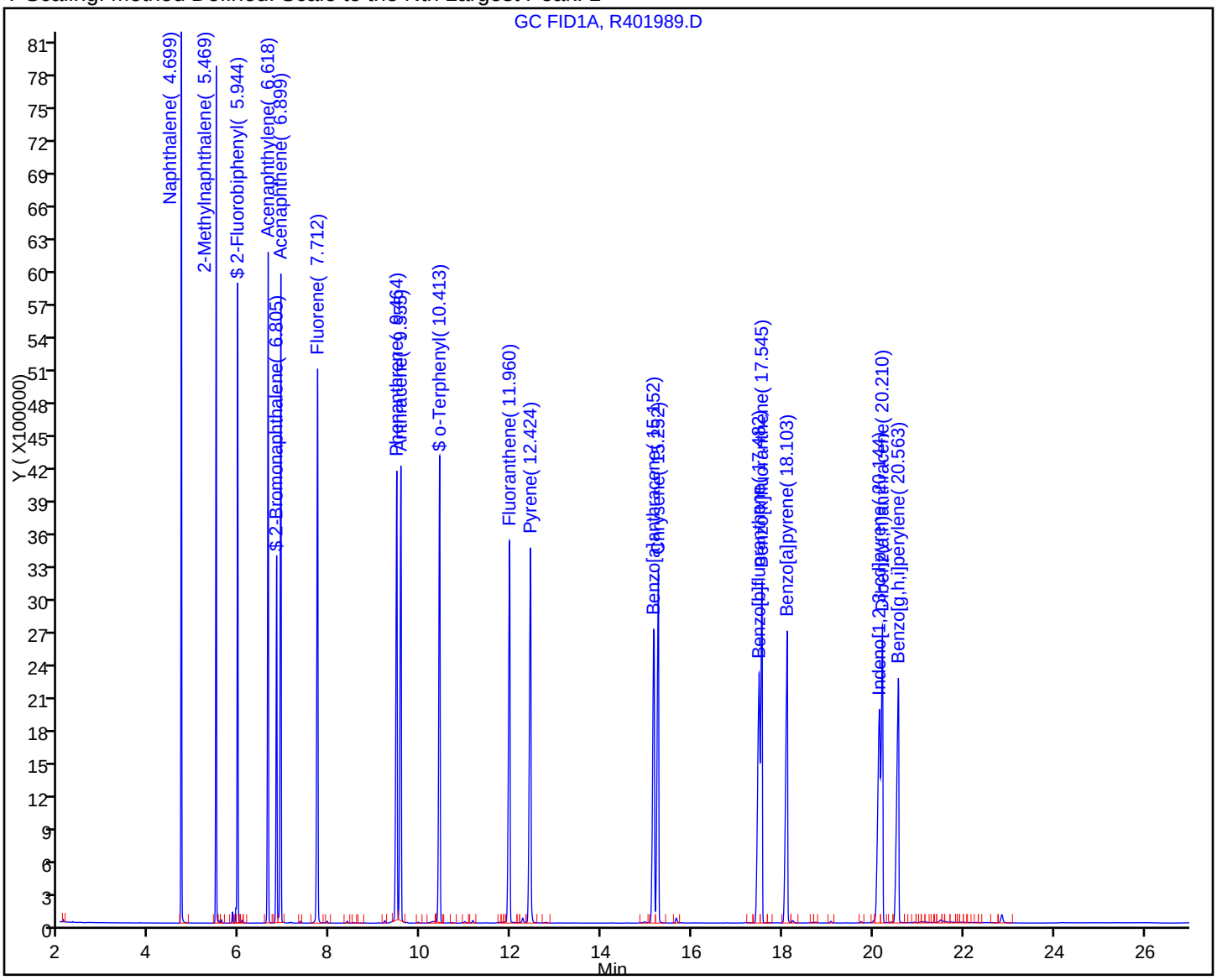
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.244	9.244	0.000	8520788	46.3	
16 Phenanthrene						
1	9.464	9.464	0.000	8451027	51.1	
17 Anthracene						
1	9.555	9.555	0.000	8267069	53.5	
20 n-Octadecane						
2	11.223	11.223	0.000	8377163	45.9	
19 Fluoranthene						
1	11.960	11.960	0.000	8252492	52.3	
22 C19						
2	12.192	12.192	0.000	8276776	46.7	
21 Pyrene						
1	12.424	12.424	0.000	8637353	51.3	
23 icosane						
2	13.136	13.136	0.000	7689615	43.7	
27 n-Docosane						
2	14.932	14.932	0.000	7759032	44.2	
24 Benzo[a]anthracene						
1	15.152	15.152	0.000	7680524	54.8	
25 Chrysene						
1	15.252	15.252	0.000	8005103	55.3	
28 n-Tetracosane						
2	16.597	16.597	0.000	7848352	44.0	
29 Benzo[b]fluoranthene						
1	17.482	17.482	0.000	7856360	56.4	
30 Benzo[k]fluoranthene						
1	17.545	17.545	0.000	7550622	56.3	
31 Benzo[a]pyrene						
1	18.103	18.103	0.000	7863756	55.5	
32 n-Hexacosane						
2	18.143	18.143	0.000	8037673	47.5	
35 n-Octacosane						
2	19.582	19.582	0.000	8146331	47.4	
33 Indeno[1,2,3-cd]pyrene						
1	20.144	20.144	0.000	7532558	58.7	
34 Dibenz(a,h)anthracene						
1	20.210	20.210	0.000	7036574	56.3	
36 Benzo[g,h,i]perylene						
1	20.563	20.563	0.000	7376777	59.0	
37 Triacontane						
2	20.924	20.924	0.000	8312161	45.6	
38 n-Hexatriacontane						M
2	25.523	25.523	0.000	7655300	50.2	M
A 39 C9-C18 Aliphatics						
2	7.270	3.213 - 11.323		57714239	272.0	
A 40 C11-C22 Aromatics						
1	12.767	4.599 - 20.996		143331245	919.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.557	11.323	-25.853	69115360	380.4	
S 44 EPH Adjustment 1						
1					803.8	
S 42 C11-C22 Aromatics (Adjusted)						
2					115.7	
S 43 Total EPH						
2					768.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 13-Dec-2011 12:51:41 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401989.D
Injection Date: 12-Dec-2011 13:23:00 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84590 Lims Sample ID: 22
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84590/22 Calibration Date: 12/12/2011 13:23

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401989.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		171626		47.8	50.0	-4.4	30.0
n-Decane	Ave	198709	176852		44.5	50.0	-11.0	25.0
Dodecane	Ave	189041	175912		46.5	50.0	-6.9	25.0
C9-C18 Aliphatics	Lin1		192381		272	300	-9.3	25.0
n-Tetradecane	Lin2		171403		47.6	50.0	-4.8	25.0
Hexadecane	Ave	183947	170416		46.3	50.0	-7.4	25.0
n-Octadecane	Ave	182400	167543		45.9	50.0	-8.1	25.0
C19	Ave	177362	165536		46.7	50.0	-6.7	25.0
icosane	Ave	175805	153792		43.7	50.0	-12.5	25.0
n-Docosane	Ave	175561	155181		44.2	50.0	-11.6	25.0
n-Tetracosane	Ave	178308	156967		44.0	50.0	-12.0	25.0
n-Hexacosane	Lin1		160753		47.5	50.0	-5.0	25.0
C19-C36 Aliphatics	Lin1		172788		380	400	-4.9	25.0
n-Octacosane	Lin2		162927		47.4	50.0	-5.2	25.0
Triacontane	Ave	182275	166243		45.6	50.0	-8.8	25.0
n-Hexatriacontane	Ave	152480	153106		50.2	50.0	0.4	25.0
1-Chlorooctadecane	Ave	153344	136797		44.6	50.0	-10.8	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84590/22 Calibration Date: 12/12/2011 13:23

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R401989.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.31	3.21	3.41
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.21	11.32
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.24	9.14	9.34
n-Octadecane	11.22	11.12	11.32
C19	12.19	12.09	12.29
icosane	13.14	13.04	13.24
n-Docosane	14.93	14.83	15.03
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.14	18.04	18.24
C19-C36 Aliphatics	18.56	11.32	25.85
n-Octacosane	19.58	19.48	19.68
Triacontane	20.92	20.82	21.02
n-Hexatriacontane	25.52	25.42	25.62
1-Chlorooctadecane	13.98	13.88	14.08

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401989.D
Lims ID: ccv Client ID:
Inject. Date: 12-Dec-2011 13:23:00 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84590 Lims Sample ID: 22
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m
Last Update: 13-Dec-2011 12:51:41 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:49:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.944	5.944	0.000	7319953	51.4	
$ 2 2-Bromonaphthalene						
1	6.805	6.805	0.000	4947629	52.6	
$ 3 o-Terphenyl						
1	10.413	10.413	0.000	8846428	49.5	
$ 4 1-Chlorooctadecane						
2	13.979	13.979	0.000	6839858	44.6	
5 n-Nonane						
2	3.313	3.313	0.000	8581301	47.8	
6 n-Decane						
2	4.118	4.118	0.000	8842592	44.5	
7 Naphthalene						
1	4.699	4.699	0.000	9359723	52.9	
8 2-Methylnaphthalene						
1	5.469	5.469	0.000	9055494	52.8	
9 Dodecane						
2	5.676	5.676	0.000	8795580	46.5	
11 Acenaphthylene						
1	6.618	6.618	0.000	8969219	50.1	
12 Acenaphthene						
1	6.899	6.899	0.000	9069522	50.9	
15 n-Tetradecane						
2	7.339	7.339	0.000	8570159	47.6	
14 Fluorene						
1	7.712	7.712	0.000	8935042	51.7	

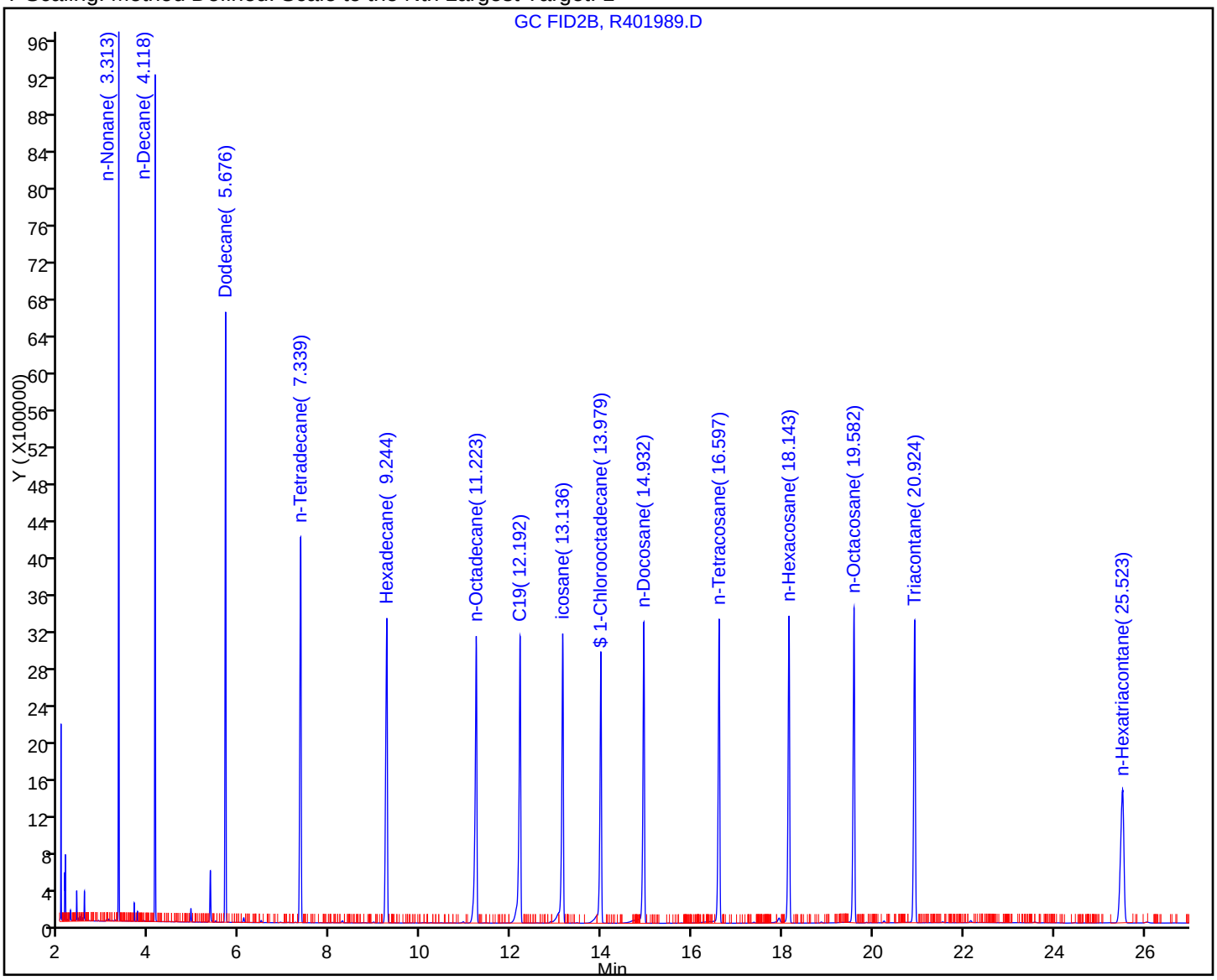
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.244	9.244	0.000	8520788	46.3	
16 Phenanthrene						
1	9.464	9.464	0.000	8451027	51.1	
17 Anthracene						
1	9.555	9.555	0.000	8267069	53.5	
20 n-Octadecane						
2	11.223	11.223	0.000	8377163	45.9	
19 Fluoranthene						
1	11.960	11.960	0.000	8252492	52.3	
22 C19						
2	12.192	12.192	0.000	8276776	46.7	
21 Pyrene						
1	12.424	12.424	0.000	8637353	51.3	
23 icosane						
2	13.136	13.136	0.000	7689615	43.7	
27 n-Docosane						
2	14.932	14.932	0.000	7759032	44.2	
24 Benzo[a]anthracene						
1	15.152	15.152	0.000	7680524	54.8	
25 Chrysene						
1	15.252	15.252	0.000	8005103	55.3	
28 n-Tetracosane						
2	16.597	16.597	0.000	7848352	44.0	
29 Benzo[b]fluoranthene						
1	17.482	17.482	0.000	7856360	56.4	
30 Benzo[k]fluoranthene						
1	17.545	17.545	0.000	7550622	56.3	
31 Benzo[a]pyrene						
1	18.103	18.103	0.000	7863756	55.5	
32 n-Hexacosane						
2	18.143	18.143	0.000	8037673	47.5	
35 n-Octacosane						
2	19.582	19.582	0.000	8146331	47.4	
33 Indeno[1,2,3-cd]pyrene						
1	20.144	20.144	0.000	7532558	58.7	
34 Dibenz(a,h)anthracene						
1	20.210	20.210	0.000	7036574	56.3	
36 Benzo[g,h,i]perylene						
1	20.563	20.563	0.000	7376777	59.0	
37 Triacontane						
2	20.924	20.924	0.000	8312161	45.6	
38 n-Hexatriacontane						M
2	25.523	25.523	0.000	7655300	50.2	M
A 39 C9-C18 Aliphatics						
2	7.270	3.213 - 11.323		57714239	272.0	
A 40 C11-C22 Aromatics						
1	12.767	4.599 - 20.996		143331245	919.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.557	11.323	-25.853	69115360	380.4	
S 44 EPH Adjustment 1						
1					803.8	
S 42 C11-C22 Aromatics (Adjusted)						
2					115.7	
S 43 Total EPH						
2					768.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 13-Dec-2011 12:51:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401989.D
Injection Date: 12-Dec-2011 13:23:00 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84590 Lims Sample ID: 22
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 13-Dec-2011 12:51:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02

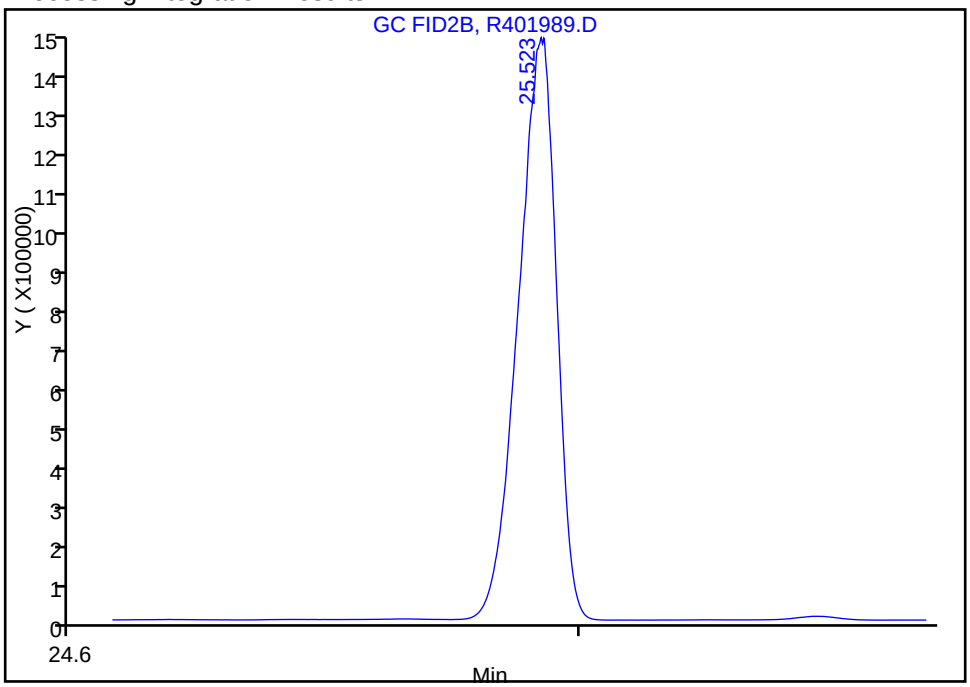
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401989.D		
Injection Date:	12-Dec-2011 13:23:00	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	22
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

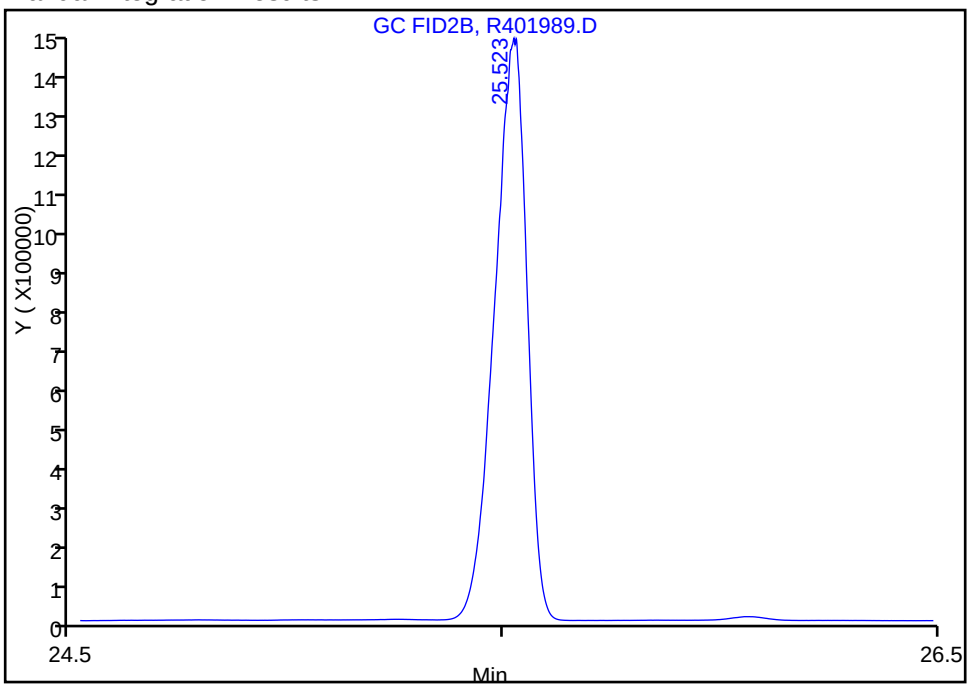
Processing Integration Results

RT: 25.52
Response: 1448207
Amount: 9.497675



Manual Integration Results

RT: 25.52
Response: 7655300
Amount: 50.205220



Reviewer: malanowskiv, 12-Dec-2011 14:07:58
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84590/46 Calibration Date: 12/13/2011 02:40

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402031.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	188013		53.1	50.0	6.2	25.0
2-Methylnaphthalene	Ave	171616	181022		52.7	50.0	5.5	25.0
Acenaphthylene	Ave	178861	179282		50.1	50.0	0.2	25.0
Acenaphthene	Ave	178269	179879		50.5	50.0	0.9	25.0
Fluorene	Ave	172973	177064		51.2	50.0	2.4	25.0
Phenanthrene	Ave	165465	168958		51.1	50.0	2.1	25.0
Anthracene	Lin1		166437		53.8	50.0	7.6	25.0
Fluoranthene	Ave	157744	165152		52.3	50.0	4.7	25.0
Pyrene	Ave	168253	173008		51.4	50.0	2.8	25.0
C11-C22 Aromatics (unadjusted)	Ave	155886	168432		918	850	8.0	25.0
Benzo[a]anthracene	Lin1		154453		55.1	50.0	10.2	25.0
Chrysene	Lin1		161492		55.7	50.0	11.4	25.0
Benzo[b]fluoranthene	Lin1		157139		56.4	50.0	12.8	25.0
Benzo[k]fluoranthene	Lin1		154694		57.7	50.0	15.4	25.0
Benzo[a]pyrene	Lin1		159481		56.3	50.0	12.6	25.0
Indeno[1,2,3-cd]pyrene	Lin1		152767		59.6	50.0	19.2	25.0
Dibenz(a,h)anthracene	Lin1		144104		57.6	50.0	15.2	25.0
Benzo[g,h,i]perylene	Lin1		150514		60.2	50.0	20.4	25.0
2-Fluorobiphenyl	Ave	142273	146025		51.3	50.0	2.6	25.0
2-Bromonaphthalene	Ave	94136	98484		52.3	50.0	4.6	25.0
o-Terphenyl	Ave	178720	177967		49.8	50.0	-0.4	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84590/46 Calibration Date: 12/13/2011 02:40

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402031.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.62	6.52	6.72
Acenaphthene	6.90	6.80	7.00
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.55	9.45	9.65
Fluoranthene	11.96	11.86	12.06
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics (unadjusted)	12.80	4.60	21.00
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.25	15.15	15.35
Benzo[b]fluoranthene	17.48	17.38	17.58
Benzo[k]fluoranthene	17.54	17.44	17.64
Benzo[a]pyrene	18.10	18.00	18.20
Indeno[1,2,3-cd]pyrene	20.14	20.04	20.24
Dibenz(a,h)anthracene	20.21	20.11	20.31
Benzo[g,h,i]perylene	20.56	20.46	20.66
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.80	6.70	6.90
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402031.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	13-Dec-2011 02:40:34	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	100
Lims Batch ID:	84590	Lims Sample ID:	46
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 12:52:00	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

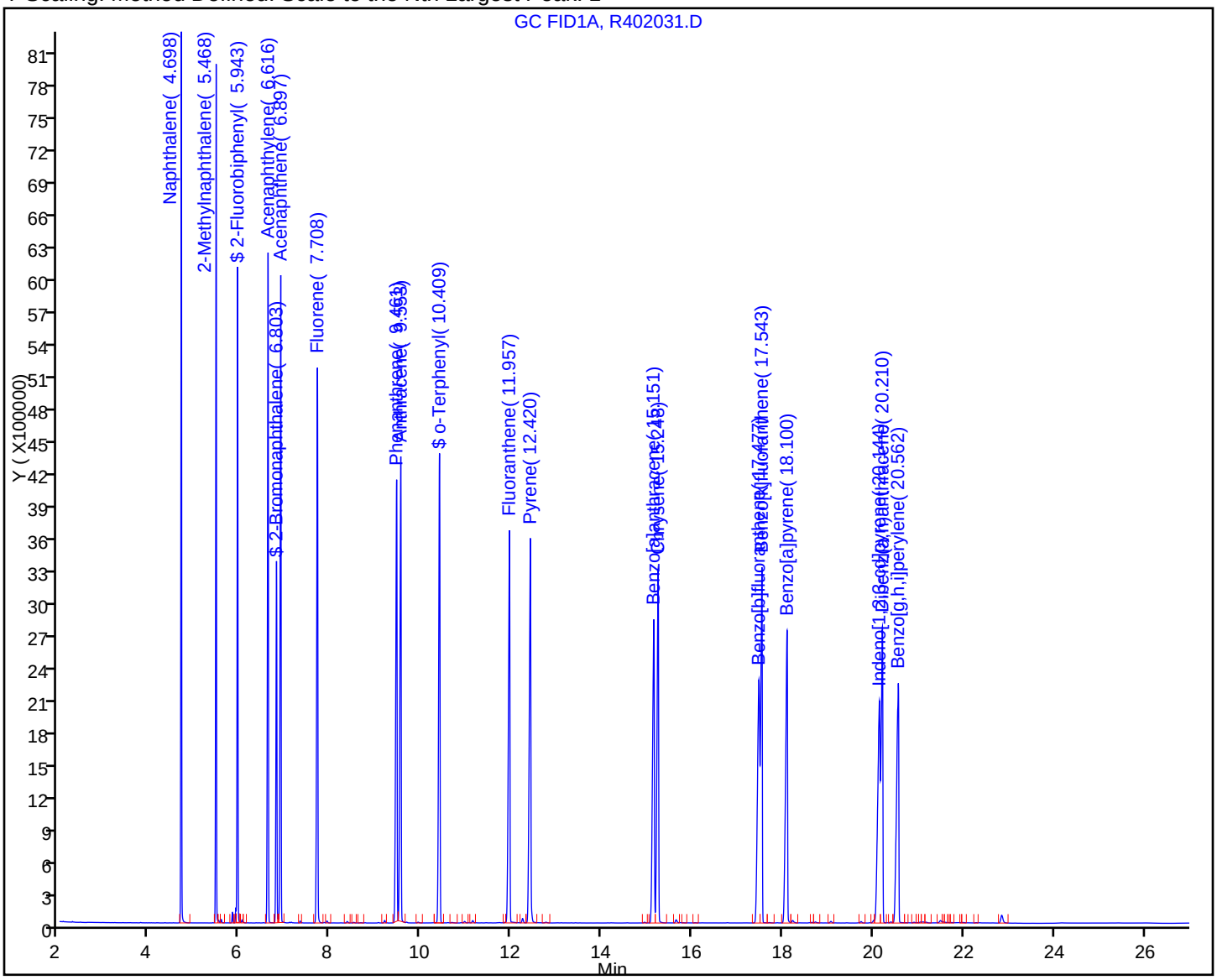
First Level Reviewer: malanowskiv Date: 13-Dec-2011 12:49:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.943	5.943	0.000	7301249	51.3	
$ 2 2-Bromonaphthalene						
1	6.803	6.803	0.000	4924176	52.3	
$ 3 o-Terphenyl						
1	10.409	10.409	0.000	8898372	49.8	
$ 4 1-Chlorooctadecane						
2	13.980	13.980	0.000	6904840	45.0	
5 n-Nonane						
2	3.316	3.316	0.000	8650753	48.1	
6 n-Decane						
2	4.119	4.119	0.000	8942591	45.0	
7 Naphthalene						
1	4.698	4.698	0.000	9400634	53.1	
8 2-Methylnaphthalene						
1	5.468	5.468	0.000	9051123	52.7	
9 Dodecane						
2	5.679	5.679	0.000	8904733	47.1	
11 Acenaphthylene						
1	6.616	6.616	0.000	8964091	50.1	
12 Acenaphthene						
1	6.897	6.897	0.000	8993948	50.5	
15 n-Tetradecane						
2	7.339	7.339	0.000	8667987	48.2	
14 Fluorene						
1	7.708	7.708	0.000	8853199	51.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.245	9.245	0.000	8629549	46.9	
16 Phenanthrene						
1	9.461	9.461	0.000	8447907	51.1	
17 Anthracene						
1	9.553	9.553	0.000	8321869	53.8	
20 n-Octadecane						
2	11.223	11.223	0.000	8531288	46.8	
19 Fluoranthene						
1	11.957	11.957	0.000	8257576	52.3	
22 C19						
2	12.194	12.194	0.000	8430052	47.5	
21 Pyrene						
1	12.420	12.420	0.000	8650415	51.4	
23 icosane						
2	13.139	13.139	0.000	7788507	44.3	
27 n-Docosane						
2	14.929	14.929	0.000	7856528	44.8	
24 Benzo[a]anthracene						
1	15.151	15.151	0.000	7722643	55.1	
25 Chrysene						
1	15.248	15.248	0.000	8074589	55.7	
28 n-Tetracosane						
2	16.596	16.596	0.000	8093942	45.4	
29 Benzo[b]fluoranthene						
1	17.477	17.477	0.000	7856939	56.4	
30 Benzo[k]fluoranthene						
1	17.543	17.543	0.000	7734691	57.7	
31 Benzo[a]pyrene						
1	18.100	18.100	0.000	7974054	56.3	
32 n-Hexacosane						
2	18.144	18.144	0.000	8202201	48.5	
35 n-Octacosane						
2	19.580	19.580	0.000	8369401	48.7	
33 Indeno[1,2,3-cd]pyrene						
1	20.144	20.144	0.000	7638372	59.6	
34 Dibenz(a,h)anthracene						
1	20.210	20.210	0.000	7205191	57.6	
36 Benzo[g,h,i]perylene						
1	20.562	20.562	0.000	7525722	60.2	
37 Triacontane						
2	20.924	20.924	0.000	8530364	46.8	
38 n-Hexatriacontane						
2	25.521	25.521	0.000	7605407	49.9	
A 39 C9-C18 Aliphatics						
2	7.269	3.216 - 11.323		63108036	301.1	
A 40 C11-C22 Aromatics						
1	12.798	4.598 - 20.998		143167343	918.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.548	11.323	-25.773	73008316	403.5	
S 44 EPH Adjustment 1						
1					807.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					110.8	
S 43 Total EPH						
2					815.4	

Report Date: 13-Dec-2011 12:52:00 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402031.D
Injection Date: 13-Dec-2011 02:40:34 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84590 Lims Sample ID: 46
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84590/46 Calibration Date: 12/13/2011 02:40

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402031.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		173015		48.1	50.0	-3.8	30.0
n-Decane	Ave	198709	178852		45.0	50.0	-10.0	25.0
Dodecane	Ave	189041	178095		47.1	50.0	-5.8	25.0
C9-C18 Aliphatics	Lin1		210360		301	300	0.4	25.0
n-Tetradecane	Lin2		173360		48.2	50.0	-3.6	25.0
Hexadecane	Ave	183947	172591		46.9	50.0	-6.2	25.0
n-Octadecane	Ave	182400	170626		46.8	50.0	-6.5	25.0
C19	Ave	177362	168601		47.5	50.0	-4.9	25.0
icosane	Ave	175805	155770		44.3	50.0	-11.4	25.0
n-Docosane	Ave	175561	157131		44.8	50.0	-10.5	25.0
n-Tetracosane	Ave	178308	161879		45.4	50.0	-9.2	25.0
n-Hexacosane	Lin1		164044		48.5	50.0	-3.0	25.0
C19-C36 Aliphatics	Lin1		182521		404	400	0.9	25.0
n-Octacosane	Lin2		167388		48.7	50.0	-2.6	25.0
Triacontane	Ave	182275	170607		46.8	50.0	-6.4	25.0
n-Hexatriacontane	Ave	152480	152108		49.9	50.0	-0.2	25.0
1-Chlorooctadecane	Ave	153344	138097		45.0	50.0	-9.9	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: CCV 360-84590/46 Calibration Date: 12/13/2011 02:40

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402031.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.32	3.22	3.42
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.22	11.32
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.25	9.15	9.35
n-Octadecane	11.22	11.12	11.32
C19	12.19	12.09	12.29
icosane	13.14	13.04	13.24
n-Docosane	14.93	14.83	15.03
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.14	18.04	18.24
C19-C36 Aliphatics	18.55	11.32	25.77
n-Octacosane	19.58	19.48	19.68
Triacontane	20.92	20.82	21.02
n-Hexatriacontane	25.52	25.42	25.62
1-Chlorooctadecane	13.98	13.88	14.08

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402031.D
Lims ID: ccv Client ID:
Inject. Date: 13-Dec-2011 02:40:34 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84590 Lims Sample ID: 46
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m
Last Update: 13-Dec-2011 12:52:00 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 13-Dec-2011 12:49:55

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.943	5.943	0.000	7301249	51.3	
$ 2 2-Bromonaphthalene						
1	6.803	6.803	0.000	4924176	52.3	
$ 3 o-Terphenyl						
1	10.409	10.409	0.000	8898372	49.8	
$ 4 1-Chlorooctadecane						
2	13.980	13.980	0.000	6904840	45.0	
5 n-Nonane						
2	3.316	3.316	0.000	8650753	48.1	
6 n-Decane						
2	4.119	4.119	0.000	8942591	45.0	
7 Naphthalene						
1	4.698	4.698	0.000	9400634	53.1	
8 2-Methylnaphthalene						
1	5.468	5.468	0.000	9051123	52.7	
9 Dodecane						
2	5.679	5.679	0.000	8904733	47.1	
11 Acenaphthylene						
1	6.616	6.616	0.000	8964091	50.1	
12 Acenaphthene						
1	6.897	6.897	0.000	8993948	50.5	
15 n-Tetradecane						
2	7.339	7.339	0.000	8667987	48.2	
14 Fluorene						
1	7.708	7.708	0.000	8853199	51.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.245	9.245	0.000	8629549	46.9	
16 Phenanthrene						
1	9.461	9.461	0.000	8447907	51.1	
17 Anthracene						
1	9.553	9.553	0.000	8321869	53.8	
20 n-Octadecane						
2	11.223	11.223	0.000	8531288	46.8	
19 Fluoranthene						
1	11.957	11.957	0.000	8257576	52.3	
22 C19						
2	12.194	12.194	0.000	8430052	47.5	
21 Pyrene						
1	12.420	12.420	0.000	8650415	51.4	
23 icosane						
2	13.139	13.139	0.000	7788507	44.3	
27 n-Docosane						
2	14.929	14.929	0.000	7856528	44.8	
24 Benzo[a]anthracene						
1	15.151	15.151	0.000	7722643	55.1	
25 Chrysene						
1	15.248	15.248	0.000	8074589	55.7	
28 n-Tetracosane						
2	16.596	16.596	0.000	8093942	45.4	
29 Benzo[b]fluoranthene						
1	17.477	17.477	0.000	7856939	56.4	
30 Benzo[k]fluoranthene						
1	17.543	17.543	0.000	7734691	57.7	
31 Benzo[a]pyrene						
1	18.100	18.100	0.000	7974054	56.3	
32 n-Hexacosane						
2	18.144	18.144	0.000	8202201	48.5	
35 n-Octacosane						
2	19.580	19.580	0.000	8369401	48.7	
33 Indeno[1,2,3-cd]pyrene						
1	20.144	20.144	0.000	7638372	59.6	
34 Dibenz(a,h)anthracene						
1	20.210	20.210	0.000	7205191	57.6	
36 Benzo[g,h,i]perylene						
1	20.562	20.562	0.000	7525722	60.2	
37 Triacontane						
2	20.924	20.924	0.000	8530364	46.8	
38 n-Hexatriacontane						
2	25.521	25.521	0.000	7605407	49.9	
A 39 C9-C18 Aliphatics						
2	7.269	3.216 - 11.323		63108036	301.1	
A 40 C11-C22 Aromatics						
1	12.798	4.598 - 20.998		143167343	918.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.548	11.323	-25.773	73008316	403.5	
S 44 EPH Adjustment 1						
1					807.6	
S 42 C11-C22 Aromatics (Adjusted)						
2					110.8	
S 43 Total EPH						
2					815.4	

Report Date: 13-Dec-2011 12:52:01 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R402031.D
Injection Date: 13-Dec-2011 02:40:34 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84590 Lims Sample ID: 46
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: | Lab Sample ID: MB 360-84105/1-A

Matrix: Solid | Lab File ID: R401925.D

Analysis Method: MA-EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.00(g) | Date Analyzed: 12/09/2011 10:26

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84518 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.33	0.33
208-96-8	Acenaphthylene	ND		0.33	0.33
120-12-7	Anthracene	ND		0.33	0.33
56-55-3	Benzo[a]anthracene	ND		0.33	0.33
50-32-8	Benzo[a]pyrene	ND		0.33	0.33
205-99-2	Benzo[b]fluoranthene	ND		0.33	0.33
191-24-2	Benzo[g,h,i]perylene	ND		0.33	0.33
207-08-9	Benzo[k]fluoranthene	ND		0.33	0.33
218-01-9	Chrysene	ND		0.33	0.33
53-70-3	Dibenz(a,h)anthracene	ND		0.33	0.33
206-44-0	Fluoranthene	ND		0.33	0.33
86-73-7	Fluorene	ND		0.33	0.33
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.33	0.33
91-57-6	2-Methylnaphthalene	ND		0.33	0.33
91-20-3	Naphthalene	ND		0.33	0.33
85-01-8	Phenanthrene	ND		0.33	0.33
129-00-0	Pyrene	ND		0.33	0.33
STL00058	C11-C22 Aromatics (unadjusted)	ND		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	70		40-140
321-60-8	2-Fluorobiphenyl	71		40-140
84-15-1	o-Terphenyl	60		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401925.D		
Lims ID:	MB 360-84105/1-A	Client ID:	
Inject. Date:	09-Dec-2011 10:26:29	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 360-84105/1-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	70
Lims Batch ID:	84518	Lims Sample ID:	34
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m		
Last Update:	09-Dec-2011 12:18:13	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

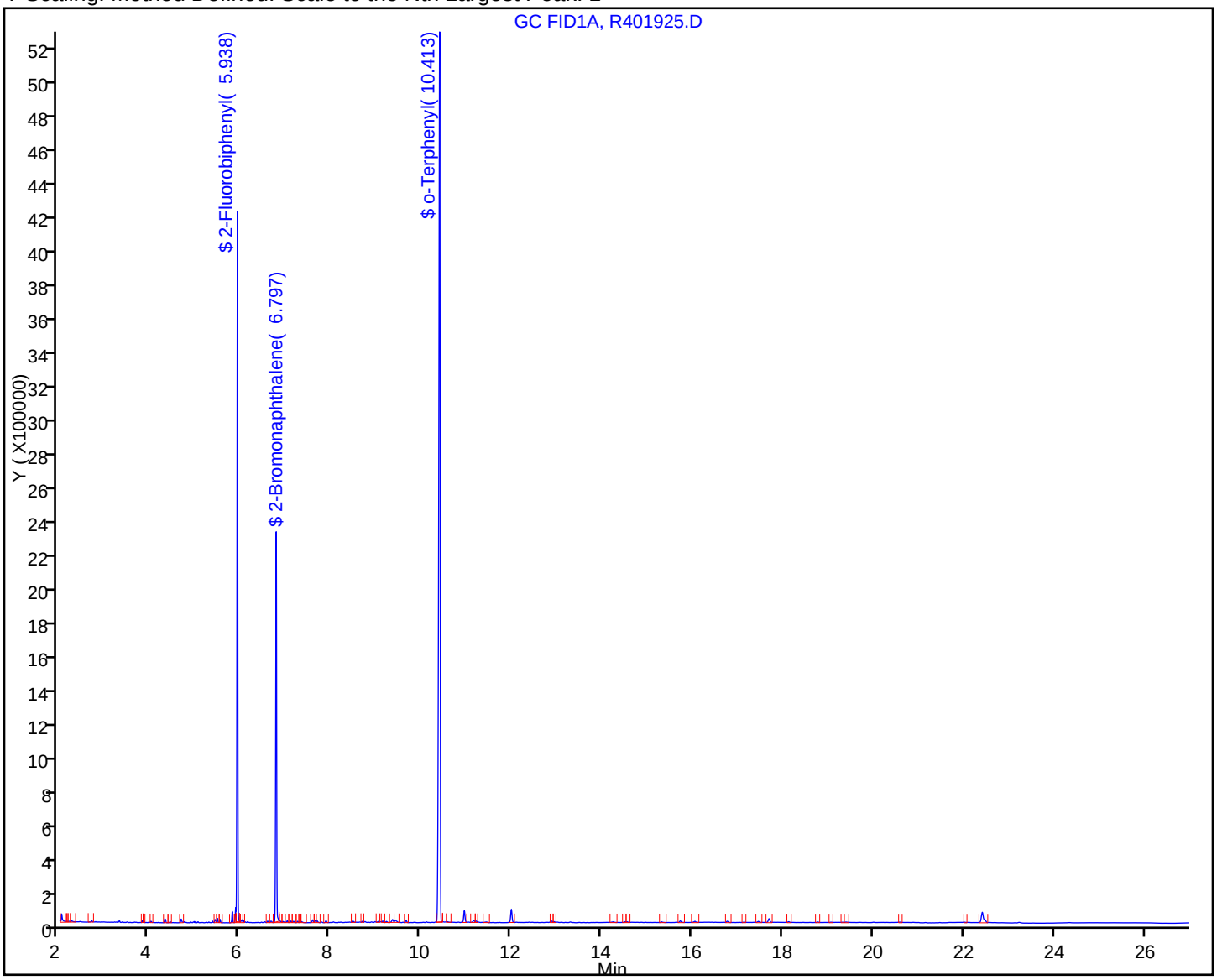
First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:19:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.941	-0.003	5062451	35.6	
$ 2 2-Bromonaphthalene						
1	6.797	6.802	-0.005	3302795	35.1	
$ 3 o-Terphenyl						
1	10.413	10.407	0.006	10806035	60.5	
$ 4 1-Chlorooctadecane						
2	13.987	13.986	0.001	10452413	68.2	
A 40 C11-C22 Aromatics						
1	12.795	4.597	- 20.993	3618228	23.2	
A 41 C19-C36 Aliphatics						
2	18.586	11.330	-25.842	7636114	15.4	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						
S 42 C11-C22 Aromatics (Adjusted)						
2					23.2	
S 43 Total EPH						
2					38.6	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 09-Dec-2011 12:19:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401925.D
Injection Date: 09-Dec-2011 10:26:29 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84518 Lims Sample ID: 34
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: Lab Sample ID: MB 360-84105/1-A

Matrix: Solid Lab File ID: R401925.D

Analysis Method: MA-EPH Date Collected:

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.00(g) Date Analyzed: 12/09/2011 10:26

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84518 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		3.3	3.3
STL00087	C19-C36 Aliphatics	ND		3.3	3.3
STL00306	C9-C18 Aliphatics	ND		3.3	3.3
STL00362	Total EPH	ND		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	68		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401925.D		
Lims ID:	MB 360-84105/1-A	Client ID:	
Inject. Date:	09-Dec-2011 10:26:29	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 360-84105/1-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	70
Lims Batch ID:	84518	Lims Sample ID:	34
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m		
Last Update:	09-Dec-2011 12:18:13	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:19:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.941	-0.003	5062451	35.6	
$ 2 2-Bromonaphthalene						
1	6.797	6.802	-0.005	3302795	35.1	
$ 3 o-Terphenyl						
1	10.413	10.407	0.006	10806035	60.5	
$ 4 1-Chlorooctadecane						
2	13.987	13.986	0.001	10452413	68.2	
A 40 C11-C22 Aromatics						
1	12.795	4.597 -	20.993	3618228	23.2	
A 41 C19-C36 Aliphatics						
2	18.586	11.330 -	25.842	7636114	15.4	
S 44 EPH Adjustment 1						
1					0	7
LOD = 0.5000						
S 42 C11-C22 Aromatics (Adjusted)						
2					23.2	
S 43 Total EPH						
2					38.6	

QC Flag Legend

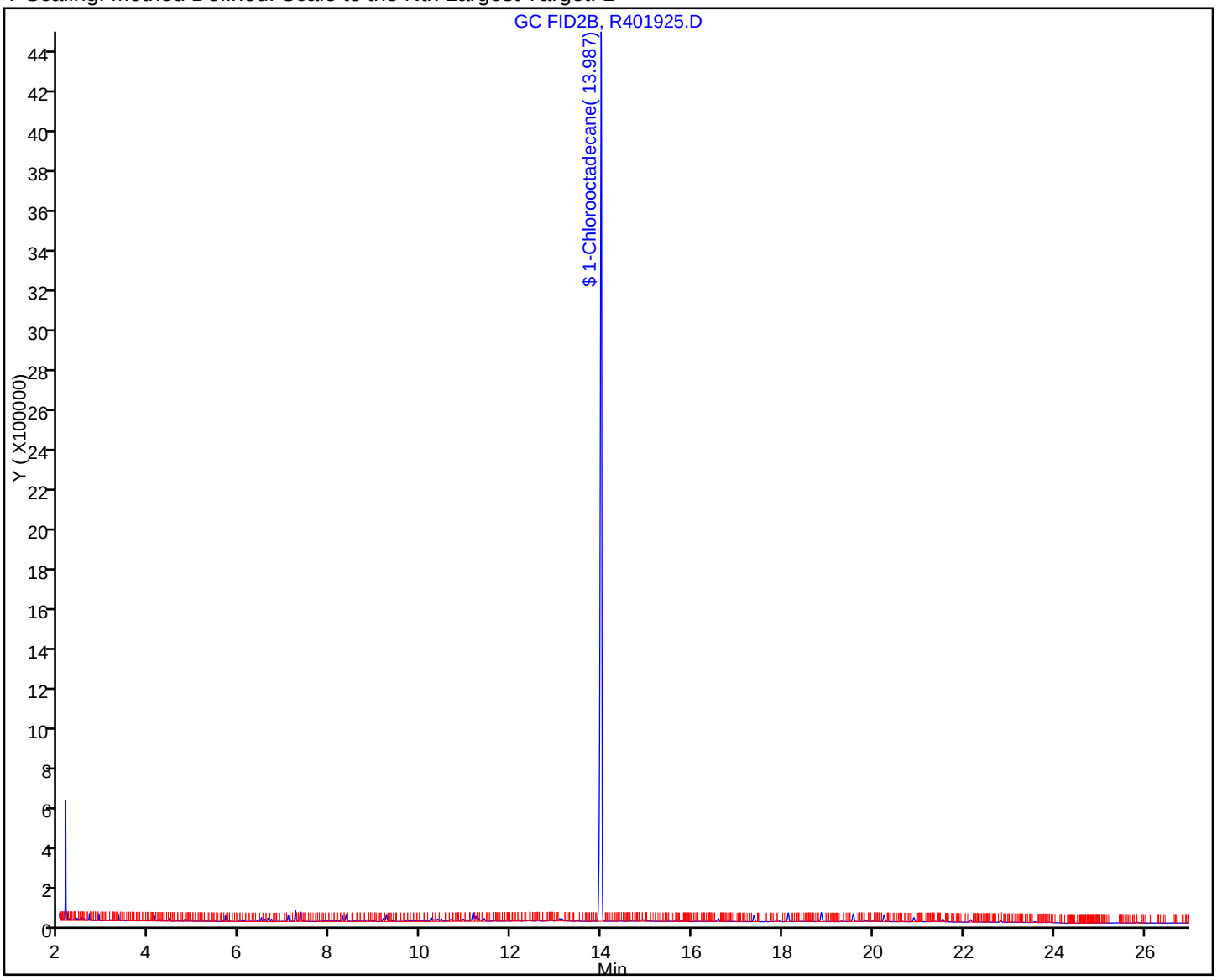
Processing Flags
7 - Failed Limit of Detection

Report Date: 09-Dec-2011 12:19:28 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401925.D

Injection Date:	09-Dec-2011 10:26:29	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	34
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: | Lab Sample ID: LCS 360-84105/2-A

Matrix: Solid | Lab File ID: R401913.D

Analysis Method: MA-EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.00(g) | Date Analyzed: 12/09/2011 05:52

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84518 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	2.39		0.33	0.33
208-96-8	Acenaphthylene	2.34		0.33	0.33
120-12-7	Anthracene	2.87		0.33	0.33
56-55-3	Benzo[a]anthracene	3.22		0.33	0.33
50-32-8	Benzo[a]pyrene	3.17		0.33	0.33
205-99-2	Benzo[b]fluoranthene	3.34		0.33	0.33
191-24-2	Benzo[g,h,i]perylene	3.15		0.33	0.33
207-08-9	Benzo[k]fluoranthene	3.38		0.33	0.33
218-01-9	Chrysene	3.15		0.33	0.33
53-70-3	Dibenz(a,h)anthracene	3.09		0.33	0.33
206-44-0	Fluoranthene	2.91		0.33	0.33
86-73-7	Fluorene	2.58		0.33	0.33
193-39-5	Indeno[1,2,3-cd]pyrene	3.25		0.33	0.33
91-57-6	2-Methylnaphthalene	2.37		0.33	0.33
91-20-3	Naphthalene	2.14		0.33	0.33
85-01-8	Phenanthrene	2.71		0.33	0.33
129-00-0	Pyrene	2.81		0.33	0.33
STL00058	C11-C22 Aromatics (unadjusted)	50.4		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	77		40-140
321-60-8	2-Fluorobiphenyl	76		40-140
84-15-1	o-Terphenyl	74		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401913.D		
Lims ID:	LCS 360-84105/2-A	Client ID:	
Inject. Date:	09-Dec-2011 05:52:56	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 360-84105/2-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	58
Lims Batch ID:	84518	Lims Sample ID:	30
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m		
Last Update:	09-Dec-2011 12:17:27	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:17:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.941	-0.002	5403469	38.0	
$ 2 2-Bromonaphthalene						
1	6.799	6.802	-0.003	3615816	38.4	
$ 3 o-Terphenyl						
1	10.418	10.407	0.011	13178023	73.7	
$ 4 1-Chlorooctadecane						
2	13.991	13.986	0.005	10481658	68.4	
5 n-Nonane						
2	3.313	3.316	-0.003	3843299	21.3	
6 n-Decane						
2	4.115	4.119	-0.004	5214805	26.2	
7 Naphthalene						
1	4.693	4.697	-0.004	5680198	32.1	
8 2-Methylnaphthalene						
1	5.464	5.467	-0.003	6083873	35.5	
9 Dodecane						
2	5.678	5.682	-0.004	6087941	32.2	
10 Naphthalene_B						
2	5.742	5.750	-0.008	68911	0.3297	7
LOD = 0.5000						
11 Acenaphthylene						
1	6.611	6.614	-0.003	6282363	35.1	
13 2-Methylnaphthalene_B						
2	6.648	6.654	-0.006	108587	0.5289	
12 Acenaphthene						
1	6.892	6.894	-0.002	6396689	35.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
15 n-Tetradecane						
2	7.340	7.343	-0.003	6592007	36.6	
14 Fluorene						
1	7.705	7.707	-0.002	6686185	38.7	
18 Hexadecane						
2	9.248	9.251	-0.003	7008782	38.1	
16 Phenanthrene						
1	9.456	9.457	-0.001	6712875	40.6	
17 Anthracene						
1	9.547	9.548	-0.001	6645085	43.0	
20 n-Octadecane						
2	11.226	11.230	-0.004	7317805	40.1	
19 Fluoranthene						
1	11.952	11.952	0.000	6877358	43.6	
22 C19						
2	12.196	12.199	-0.003	7195526	40.6	
21 Pyrene						
1	12.416	12.416	0.000	7076613	42.1	
23 icosane						
2	13.140	13.141	-0.001	7179274	40.8	
27 n-Docosane						
2	14.932	14.936	-0.004	7040223	40.1	
24 Benzo[a]anthracene						
1	15.145	15.147	-0.002	6773343	48.3	
25 Chrysene						
1	15.243	15.242	0.001	6838375	47.2	
28 n-Tetracosane						
2	16.598	16.599	-0.001	7100169	39.8	
29 Benzo[b]fluoranthene						
1	17.474	17.471	0.003	6971182	50.1	
30 Benzo[k]fluoranthene						
1	17.535	17.532	0.003	6805131	50.7	
31 Benzo[a]pyrene						
1	18.093	18.093	0.000	6736593	47.5	
32 n-Hexacosane						
2	18.144	18.147	-0.003	7218197	42.7	
35 n-Octacosane						
2	19.581	19.585	-0.004	7167800	41.7	
33 Indeno[1,2,3-cd]pyrene						
1	20.135	20.127	0.008	6242740	48.7	
34 Dibenz(a,h)anthracene						
1	20.198	20.196	0.002	5803014	46.4	
36 Benzo[g,h,i]perylene						
1	20.550	20.545	0.005	5906431	47.2	
37 Triacontane						
2	20.926	20.927	-0.001	7495627	41.1	
38 n-Hexatriacontane						M
2	25.518	25.530	-0.012	6770151	44.4	M

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	7.273	3.216 - 11.330		42035717	187.4	
A 40 C11-C22 Aromatics						
1	12.795	4.597 - 20.993		117825626	755.8	
A 41 C19-C36 Aliphatics						
2	18.586	11.330 -25.842		64667970	354.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

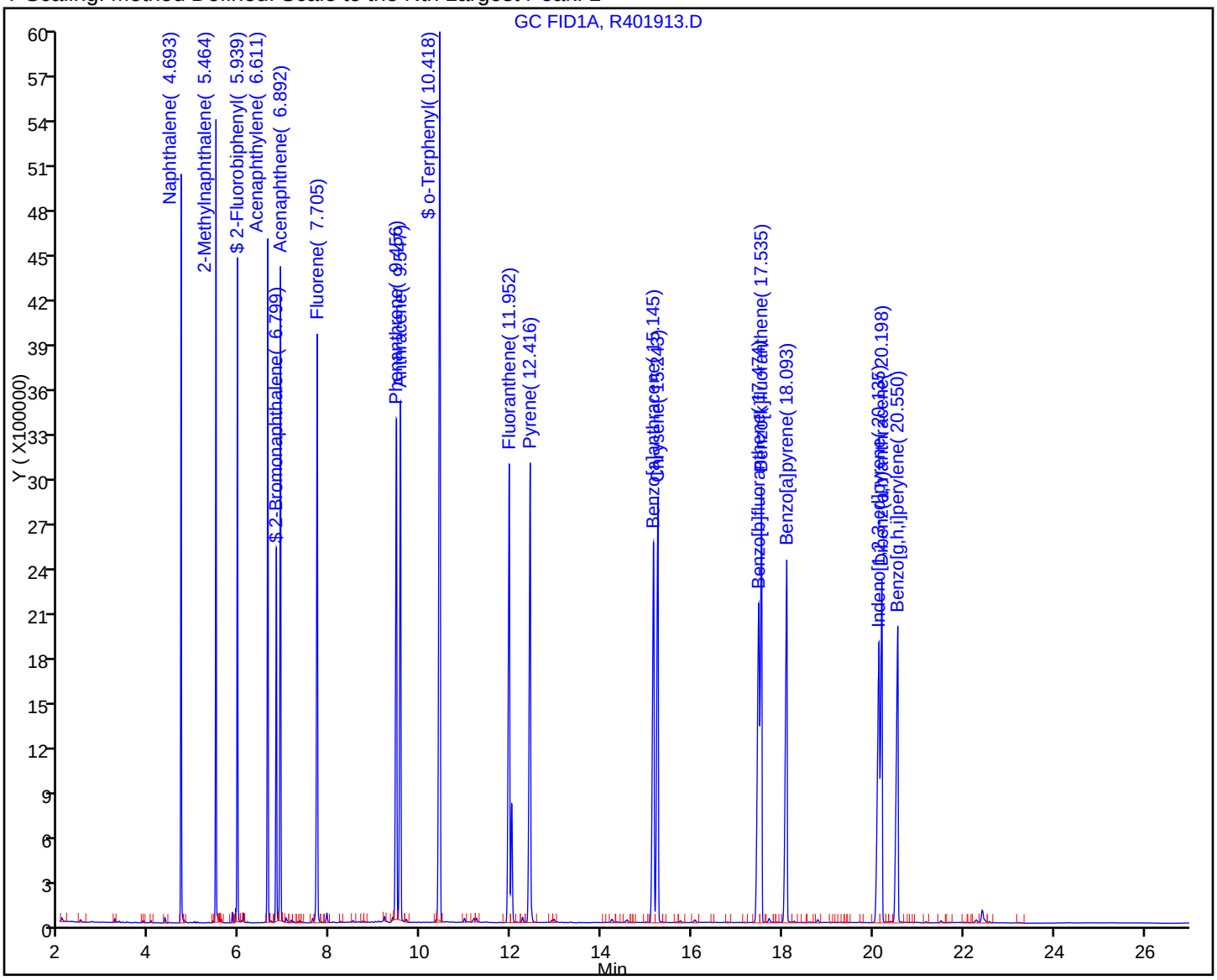
Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:17:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401913.D

Injection Date:	09-Dec-2011 05:52:56	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	30
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: Lab Sample ID: LCS 360-84105/2-A

Matrix: Solid Lab File ID: R401913.D

Analysis Method: MA-EPH Date Collected:

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.00(g) Date Analyzed: 12/09/2011 05:52

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84518 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	23.6		3.3	3.3
STL00306	C9-C18 Aliphatics	12.5		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	68		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401913.D		
Lims ID:	LCS 360-84105/2-A	Client ID:	
Inject. Date:	09-Dec-2011 05:52:56	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 360-84105/2-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	58
Lims Batch ID:	84518	Lims Sample ID:	30
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m		
Last Update:	09-Dec-2011 12:17:27	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:17:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.941	-0.002	5403469	38.0	
$ 2 2-Bromonaphthalene						
1	6.799	6.802	-0.003	3615816	38.4	
$ 3 o-Terphenyl						
1	10.418	10.407	0.011	13178023	73.7	
$ 4 1-Chlorooctadecane						
2	13.991	13.986	0.005	10481658	68.4	
5 n-Nonane						
2	3.313	3.316	-0.003	3843299	21.3	
6 n-Decane						
2	4.115	4.119	-0.004	5214805	26.2	
7 Naphthalene						
1	4.693	4.697	-0.004	5680198	32.1	
8 2-Methylnaphthalene						
1	5.464	5.467	-0.003	6083873	35.5	
9 Dodecane						
2	5.678	5.682	-0.004	6087941	32.2	
10 Naphthalene_B						
2	5.742	5.750	-0.008	68911	0.3297	7
LOD = 0.5000						
11 Acenaphthylene						
1	6.611	6.614	-0.003	6282363	35.1	
13 2-Methylnaphthalene_B						
2	6.648	6.654	-0.006	108587	0.5289	
12 Acenaphthene						
1	6.892	6.894	-0.002	6396689	35.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
15 n-Tetradecane						
2	7.340	7.343	-0.003	6592007	36.6	
14 Fluorene						
1	7.705	7.707	-0.002	6686185	38.7	
18 Hexadecane						
2	9.248	9.251	-0.003	7008782	38.1	
16 Phenanthrene						
1	9.456	9.457	-0.001	6712875	40.6	
17 Anthracene						
1	9.547	9.548	-0.001	6645085	43.0	
20 n-Octadecane						
2	11.226	11.230	-0.004	7317805	40.1	
19 Fluoranthene						
1	11.952	11.952	0.000	6877358	43.6	
22 C19						
2	12.196	12.199	-0.003	7195526	40.6	
21 Pyrene						
1	12.416	12.416	0.000	7076613	42.1	
23 icosane						
2	13.140	13.141	-0.001	7179274	40.8	
27 n-Docosane						
2	14.932	14.936	-0.004	7040223	40.1	
24 Benzo[a]anthracene						
1	15.145	15.147	-0.002	6773343	48.3	
25 Chrysene						
1	15.243	15.242	0.001	6838375	47.2	
28 n-Tetracosane						
2	16.598	16.599	-0.001	7100169	39.8	
29 Benzo[b]fluoranthene						
1	17.474	17.471	0.003	6971182	50.1	
30 Benzo[k]fluoranthene						
1	17.535	17.532	0.003	6805131	50.7	
31 Benzo[a]pyrene						
1	18.093	18.093	0.000	6736593	47.5	
32 n-Hexacosane						
2	18.144	18.147	-0.003	7218197	42.7	
35 n-Octacosane						
2	19.581	19.585	-0.004	7167800	41.7	
33 Indeno[1,2,3-cd]pyrene						
1	20.135	20.127	0.008	6242740	48.7	
34 Dibenz(a,h)anthracene						
1	20.198	20.196	0.002	5803014	46.4	
36 Benzo[g,h,i]perylene						
1	20.550	20.545	0.005	5906431	47.2	
37 Triacontane						
2	20.926	20.927	-0.001	7495627	41.1	
38 n-Hexatriacontane						M
2	25.518	25.530	-0.012	6770151	44.4	M

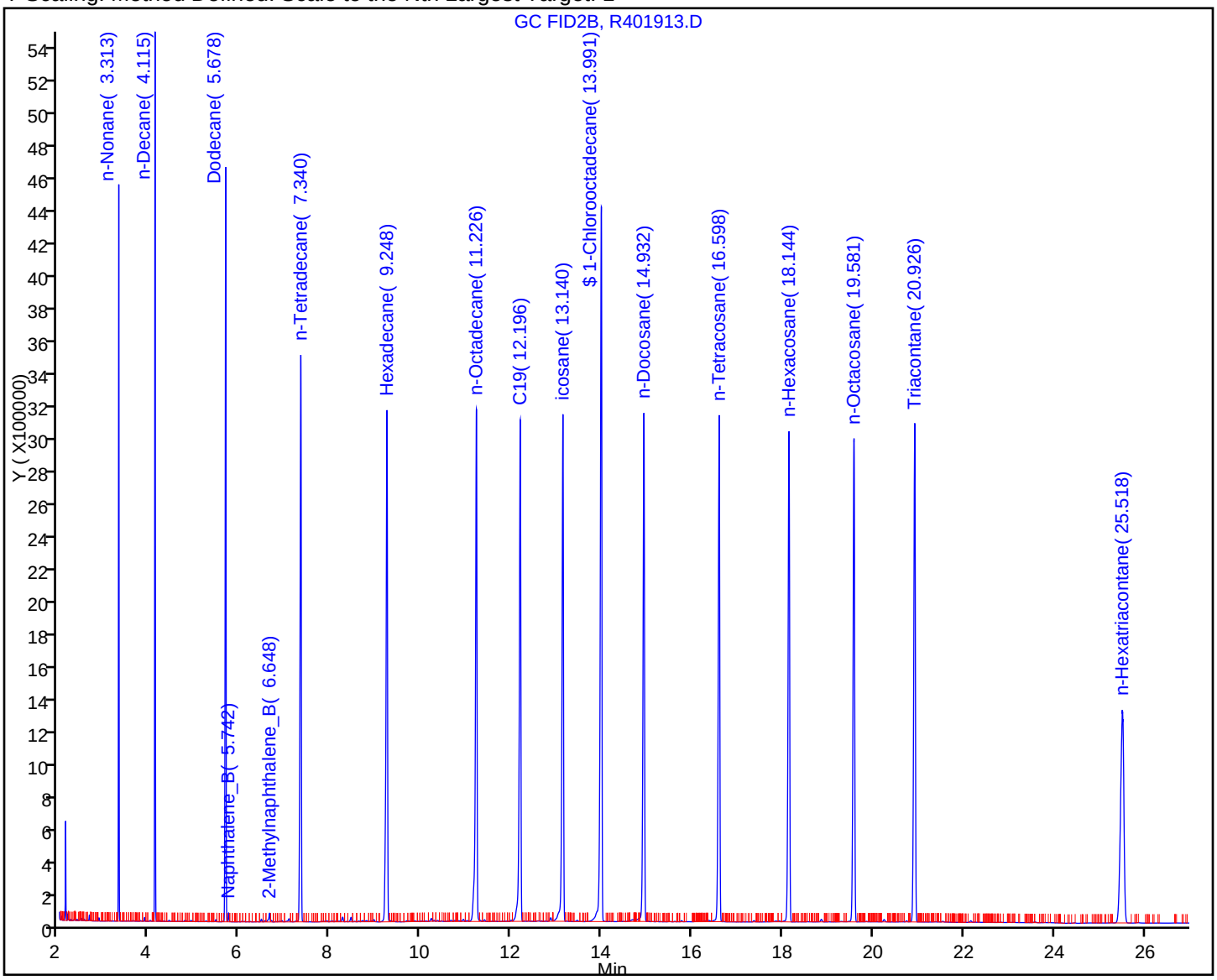
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	7.273	3.216 - 11.330		42035717	187.4	
A 40 C11-C22 Aromatics						
1	12.795	4.597 - 20.993		117825626	755.8	
A 41 C19-C36 Aliphatics						
2	18.586	11.330 -25.842		64667970	354.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:17:28 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401913.D
Injection Date: 09-Dec-2011 05:52:56 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84518 Lims Sample ID: 30
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 09-Dec-2011 12:17:28 Chrom Revision: 2.0 29-Sep-2011 09:38:02

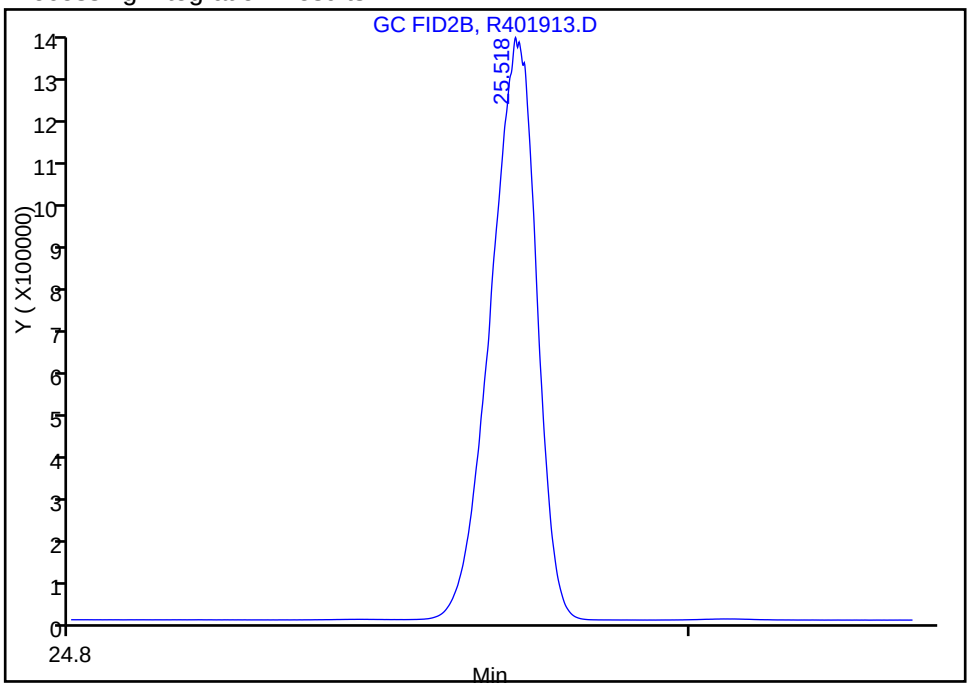
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401913.D		
Injection Date:	09-Dec-2011 05:52:56	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	30
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.53, Det: GC FID2B

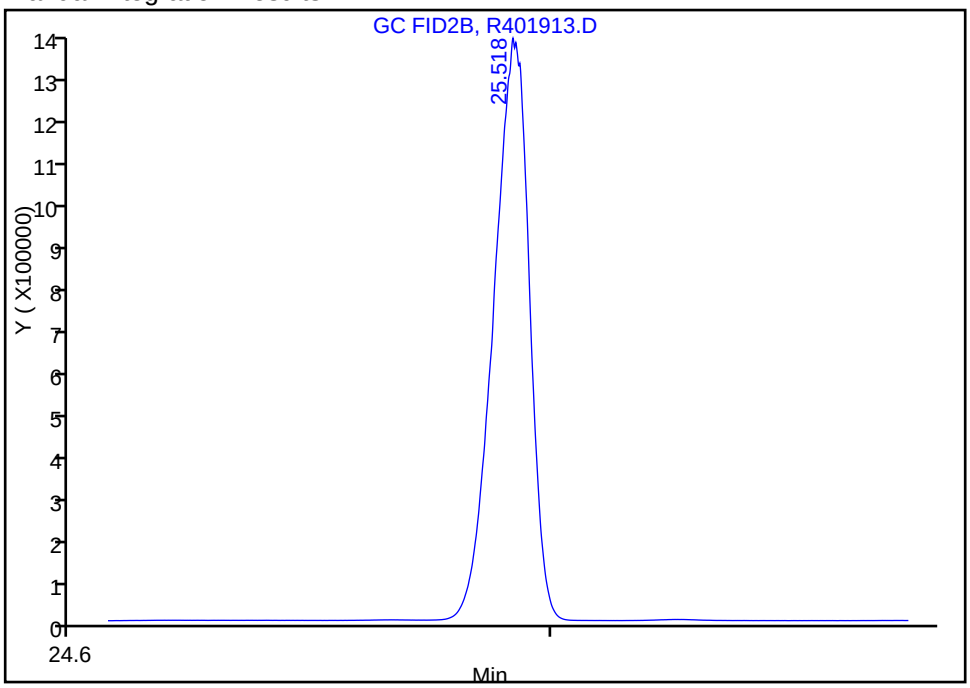
Processing Integration Results

RT: 25.52
Response: 966006
Amount: 6.335290



Manual Integration Results

RT: 25.52
Response: 6770151
Amount: 44.400209



Reviewer: malanowskiv, 09-Dec-2011 12:17:27
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: | Lab Sample ID: LCSD 360-84105/3-A

Matrix: Solid | Lab File ID: R401915.D

Analysis Method: MA-EPH | Date Collected:

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.00(g) | Date Analyzed: 12/09/2011 06:27

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84518 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	2.35		0.33	0.33
208-96-8	Acenaphthylene	2.30		0.33	0.33
120-12-7	Anthracene	2.82		0.33	0.33
56-55-3	Benzo[a]anthracene	3.17		0.33	0.33
50-32-8	Benzo[a]pyrene	3.13		0.33	0.33
205-99-2	Benzo[b]fluoranthene	3.27		0.33	0.33
191-24-2	Benzo[g,h,i]perylene	3.11		0.33	0.33
207-08-9	Benzo[k]fluoranthene	3.37		0.33	0.33
218-01-9	Chrysene	3.09		0.33	0.33
53-70-3	Dibenz(a,h)anthracene	3.05		0.33	0.33
206-44-0	Fluoranthene	2.86		0.33	0.33
86-73-7	Fluorene	2.53		0.33	0.33
193-39-5	Indeno[1,2,3-cd]pyrene	3.22		0.33	0.33
91-57-6	2-Methylnaphthalene	2.33		0.33	0.33
91-20-3	Naphthalene	2.10		0.33	0.33
85-01-8	Phenanthrene	2.67		0.33	0.33
129-00-0	Pyrene	2.76		0.33	0.33
STL00058	C11-C22 Aromatics (unadjusted)	49.7		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	76		40-140
321-60-8	2-Fluorobiphenyl	75		40-140
84-15-1	o-Terphenyl	73		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401915.D
Lims ID: LCSD 360-84105/3-A Client ID:
Inject. Date: 09-Dec-2011 06:27:13 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD 360-84105/3-A
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 60
Lims Batch ID: 84518 Lims Sample ID: 31
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m
Last Update: 09-Dec-2011 12:18:13 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:18:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.941	-0.002	5319539	37.4	
$ 2 2-Bromonaphthalene						
1	6.798	6.802	-0.004	3555683	37.8	
$ 3 o-Terphenyl						
1	10.417	10.407	0.010	12990747	72.7	
$ 4 1-Chlorooctadecane						
2	13.986	13.986	0.000	9935514	64.8	
5 n-Nonane						
2	3.312	3.316	-0.004	3596400	19.9	
6 n-Decane						
2	4.116	4.119	-0.003	4892247	24.6	
7 Naphthalene						
1	4.692	4.697	-0.005	5573338	31.5	
8 2-Methylnaphthalene						
1	5.464	5.467	-0.003	5998414	35.0	
9 Dodecane						
2	5.679	5.682	-0.003	5784221	30.6	
10 Naphthalene_B						
2	5.742	5.750	-0.008	25544	0.1222	7
LOD =	0.5000					
11 Acenaphthylene						
1	6.612	6.614	-0.002	6179282	34.5	
13 2-Methylnaphthalene_B						
2	6.649	6.654	-0.005	25777	0.1255	7
LOD =	0.5000					
12 Acenaphthene						
1	6.891	6.894	-0.003	6288813	35.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
15 n-Tetradecane						
2	7.341	7.343	-0.002	6299868	35.0	
14 Fluorene						
1	7.703	7.707	-0.004	6580368	38.0	
18 Hexadecane						
2	9.246	9.251	-0.005	6697189	36.4	
16 Phenanthrene						
1	9.456	9.457	-0.001	6613158	40.0	
17 Anthracene						
1	9.547	9.548	-0.001	6544606	42.3	
20 n-Octadecane						
2	11.226	11.230	-0.004	7051424	38.7	
19 Fluoranthene						
1	11.952	11.952	0.000	6764251	42.9	
22 C19						
2	12.196	12.199	-0.003	6961276	39.2	
21 Pyrene						
1	12.415	12.416	-0.001	6958826	41.4	
23 icosane						
2	13.137	13.141	-0.004	6985503	39.7	
27 n-Docosane						
2	14.932	14.936	-0.004	6827826	38.9	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	6670746	47.6	
25 Chrysene						
1	15.242	15.242	0.000	6720854	46.4	
28 n-Tetracosane						
2	16.597	16.599	-0.002	6941474	38.9	
29 Benzo[b]fluoranthene						
1	17.474	17.471	0.003	6818637	49.0	
30 Benzo[k]fluoranthene						
1	17.536	17.532	0.004	6791810	50.6	
31 Benzo[a]pyrene						
1	18.093	18.093	0.000	6663200	47.0	
32 n-Hexacosane						
2	18.143	18.147	-0.004	7051412	41.7	
35 n-Octacosane						
2	19.582	19.585	-0.003	6998100	40.7	
33 Indeno[1,2,3-cd]pyrene						
1	20.131	20.127	0.004	6191027	48.3	
34 Dibenz(a,h)anthracene						
1	20.195	20.196	-0.001	5728274	45.8	
36 Benzo[g,h,i]perylene						
1	20.548	20.545	0.003	5844313	46.7	
37 Triacontane						
2	20.927	20.927	0.000	7308155	40.1	
38 n-Hexatriacontane						M
2	25.521	25.530	-0.009	6517811	43.7	M

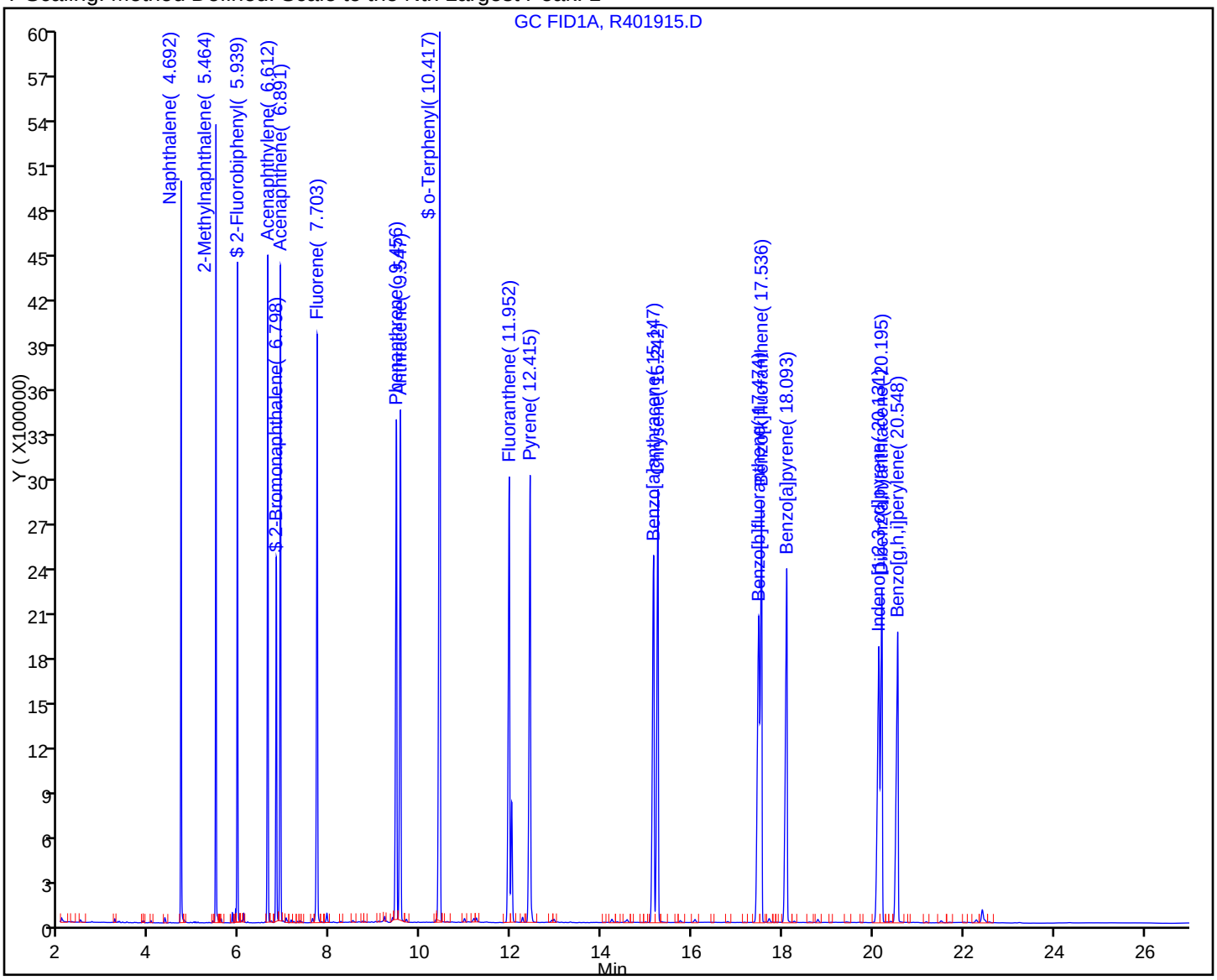
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	7.273	3.216 - 11.330		40119560	177.0	
A 40 C11-C22 Aromatics						
1	12.795	4.597 - 20.993		116246709	745.7	
A 41 C19-C36 Aliphatics						
2	18.586	11.330 -25.842		62901660	343.5	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:18:13 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401915.D
Injection Date: 09-Dec-2011 06:27:13 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84518 Lims Sample ID: 31
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: Lab Sample ID: LCSD 360-84105/3-A

Matrix: Solid Lab File ID: R401915.D

Analysis Method: MA-EPH Date Collected:

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.00(g) Date Analyzed: 12/09/2011 06:27

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84518 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	22.9		3.3	3.3
STL00306	C9-C18 Aliphatics	11.8		3.3	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	65		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401915.D		
Lims ID:	LCSD 360-84105/3-A	Client ID:	
Inject. Date:	09-Dec-2011 06:27:13	Dil. Factor:	1.0000
Sample Type:	LCSD		
Sample ID:	LCSD 360-84105/3-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	60
Lims Batch ID:	84518	Lims Sample ID:	31
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\MAEPH-R.m		
Last Update:	09-Dec-2011 12:18:13	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 09-Dec-2011 12:18:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.941	-0.002	5319539	37.4	
$ 2 2-Bromonaphthalene						
1	6.798	6.802	-0.004	3555683	37.8	
$ 3 o-Terphenyl						
1	10.417	10.407	0.010	12990747	72.7	
$ 4 1-Chlorooctadecane						
2	13.986	13.986	0.000	9935514	64.8	
5 n-Nonane						
2	3.312	3.316	-0.004	3596400	19.9	
6 n-Decane						
2	4.116	4.119	-0.003	4892247	24.6	
7 Naphthalene						
1	4.692	4.697	-0.005	5573338	31.5	
8 2-Methylnaphthalene						
1	5.464	5.467	-0.003	5998414	35.0	
9 Dodecane						
2	5.679	5.682	-0.003	5784221	30.6	
10 Naphthalene_B						
2	5.742	5.750	-0.008	25544	0.1222	7
LOD =	0.5000					
11 Acenaphthylene						
1	6.612	6.614	-0.002	6179282	34.5	
13 2-Methylnaphthalene_B						
2	6.649	6.654	-0.005	25777	0.1255	7
LOD =	0.5000					
12 Acenaphthene						
1	6.891	6.894	-0.003	6288813	35.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
15 n-Tetradecane						
2	7.341	7.343	-0.002	6299868	35.0	
14 Fluorene						
1	7.703	7.707	-0.004	6580368	38.0	
18 Hexadecane						
2	9.246	9.251	-0.005	6697189	36.4	
16 Phenanthrene						
1	9.456	9.457	-0.001	6613158	40.0	
17 Anthracene						
1	9.547	9.548	-0.001	6544606	42.3	
20 n-Octadecane						
2	11.226	11.230	-0.004	7051424	38.7	
19 Fluoranthene						
1	11.952	11.952	0.000	6764251	42.9	
22 C19						
2	12.196	12.199	-0.003	6961276	39.2	
21 Pyrene						
1	12.415	12.416	-0.001	6958826	41.4	
23 icosane						
2	13.137	13.141	-0.004	6985503	39.7	
27 n-Docosane						
2	14.932	14.936	-0.004	6827826	38.9	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	6670746	47.6	
25 Chrysene						
1	15.242	15.242	0.000	6720854	46.4	
28 n-Tetracosane						
2	16.597	16.599	-0.002	6941474	38.9	
29 Benzo[b]fluoranthene						
1	17.474	17.471	0.003	6818637	49.0	
30 Benzo[k]fluoranthene						
1	17.536	17.532	0.004	6791810	50.6	
31 Benzo[a]pyrene						
1	18.093	18.093	0.000	6663200	47.0	
32 n-Hexacosane						
2	18.143	18.147	-0.004	7051412	41.7	
35 n-Octacosane						
2	19.582	19.585	-0.003	6998100	40.7	
33 Indeno[1,2,3-cd]pyrene						
1	20.131	20.127	0.004	6191027	48.3	
34 Dibenz(a,h)anthracene						
1	20.195	20.196	-0.001	5728274	45.8	
36 Benzo[g,h,i]perylene						
1	20.548	20.545	0.003	5844313	46.7	
37 Triacontane						
2	20.927	20.927	0.000	7308155	40.1	
38 n-Hexatriacontane						M
2	25.521	25.530	-0.009	6517811	43.7	M

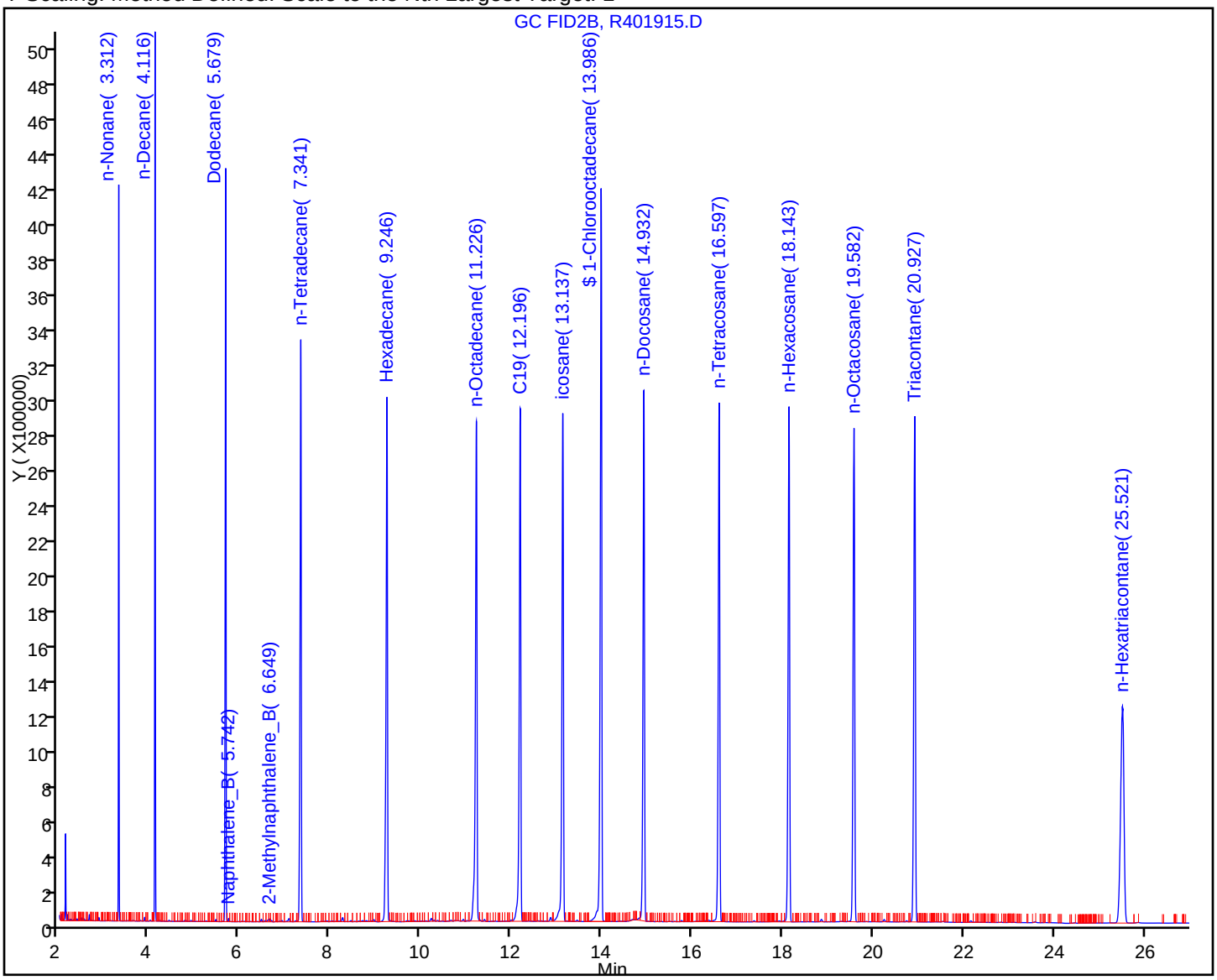
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	7.273	3.216 - 11.330		40119560	177.0	
A 40 C11-C22 Aromatics						
1	12.795	4.597 - 20.993		116246709	745.7	
A 41 C19-C36 Aliphatics						
2	18.586	11.330 -25.842		62901660	343.5	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:18:13 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401915.D
Injection Date: 09-Dec-2011 06:27:13 Limit Group: GC MA EPH
Client ID: Instrument ID: INST R
Lims Batch ID: 84518 Lims Sample ID: 31
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 09-Dec-2011 12:18:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02

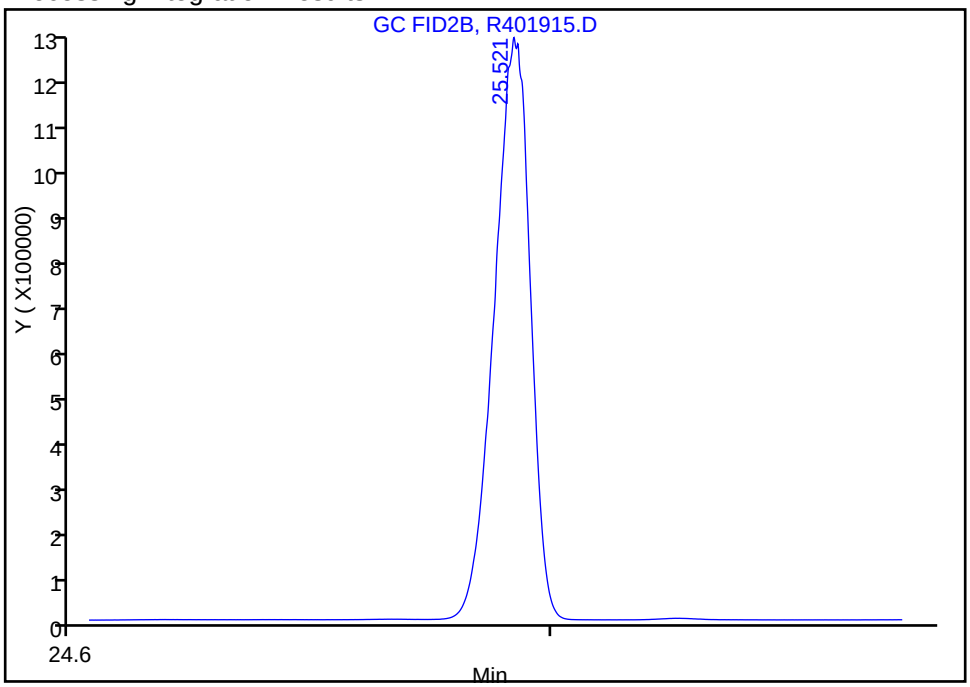
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111208-7365.b\R401915.D		
Injection Date:	09-Dec-2011 06:27:13	Limit Group:	GC MA EPH
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84518	Lims Sample ID:	31
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.53, Det: GC FID2B

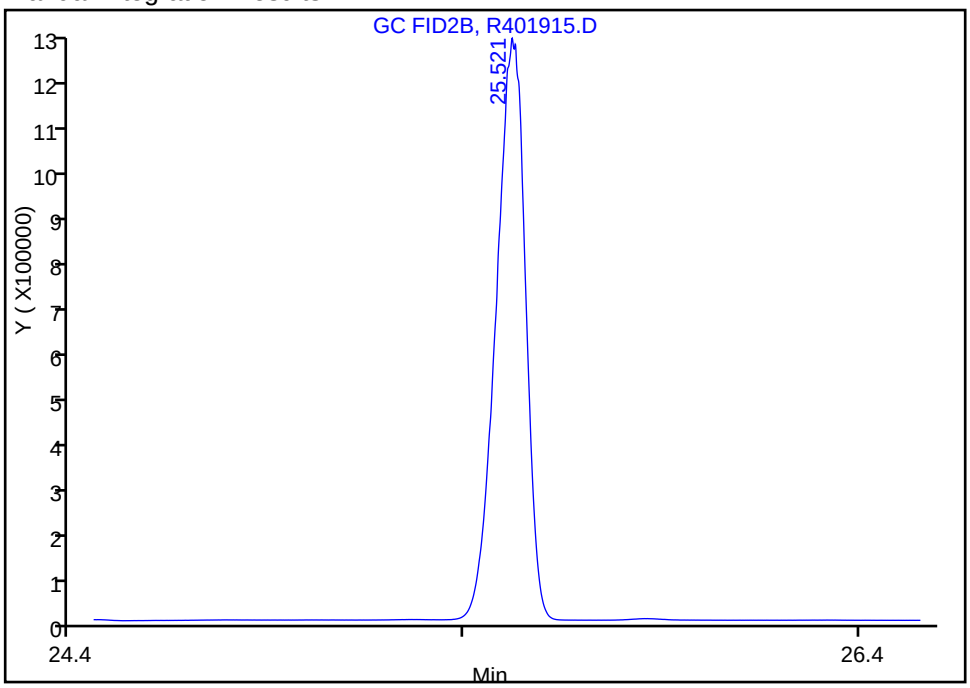
Processing Integration Results

RT: 25.52
Response: 1110064
Amount: 7.280055



Manual Integration Results

RT: 25.52
Response: 6517811
Amount: 42.745305



Reviewer: malanowskiv, 09-Dec-2011 12:18:13
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 MS | Lab Sample ID: 360-37847-2 MS

Matrix: Solid | Lab File ID: R401995.D

Analysis Method: MA-EPH | Date Collected: 11/29/2011 11:20

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.32(g) | Date Analyzed: 12/12/2011 16:26

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	3.12		0.38	0.38
208-96-8	Acenaphthylene	3.07		0.38	0.38
120-12-7	Anthracene	3.59		0.38	0.38
56-55-3	Benzo[a]anthracene	3.79		0.38	0.38
50-32-8	Benzo[a]pyrene	3.59		0.38	0.38
205-99-2	Benzo[b]fluoranthene	3.85		0.38	0.38
191-24-2	Benzo[g,h,i]perylene	4.00		0.38	0.38
207-08-9	Benzo[k]fluoranthene	3.80		0.38	0.38
218-01-9	Chrysene	3.70		0.38	0.38
53-70-3	Dibenz(a,h)anthracene	3.68		0.38	0.38
206-44-0	Fluoranthene	3.58		0.38	0.38
86-73-7	Fluorene	3.33		0.38	0.38
193-39-5	Indeno[1,2,3-cd]pyrene	4.09		0.38	0.38
91-57-6	2-Methylnaphthalene	3.05		0.38	0.38
91-20-3	Naphthalene	2.75		0.38	0.38
85-01-8	Phenanthrene	3.50		0.38	0.38
129-00-0	Pyrene	3.43		0.38	0.38
STL00058	C11-C22 Aromatics (unadjusted)	61.9		3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	87		40-140
321-60-8	2-Fluorobiphenyl	86		40-140
84-15-1	o-Terphenyl	86		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401995.D		
Lims ID:	360-37847-A-2-B MS	Client ID:	BC-SO-SB308-1012 MS
Inject. Date:	12-Dec-2011 16:26:31	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	360-37847-A-2-B MS		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	84590	Lims Sample ID:	28
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:25:26

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.943	-0.004	6133148	43.1	
$ 2 2-Bromonaphthalene						
1	6.799	6.803	-0.004	4082905	43.4	
$ 3 o-Terphenyl						
1	10.419	10.409	0.010	15376425	86.0	
$ 4 1-Chlorooctadecane						
2	13.987	13.980	0.007	10619732	69.3	
5 n-Nonane						
2	3.313	3.316	-0.003	3122685	17.3	
6 n-Decane						
2	4.116	4.119	-0.003	4395154	22.1	
7 Naphthalene						
1	4.691	4.698	-0.007	6416362	36.2	
8 2-Methylnaphthalene						
1	5.463	5.468	-0.005	6899171	40.2	
9 Dodecane						
2	5.676	5.679	-0.003	5288310	28.0	
10 Naphthalene_B						
2	5.740	5.750	-0.010	111426	0.5332	
11 Acenaphthylene						
1	6.612	6.616	-0.004	7227539	40.4	
13 2-Methylnaphthalene_B						
2	6.646	6.654	-0.008	142965	0.6963	
12 Acenaphthene						
1	6.892	6.897	-0.005	7324583	41.1	
15 n-Tetradecane						
2	7.335	7.339	-0.004	5867766	32.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
14 Fluorene						
1	7.704	7.708	-0.004	7592922	43.9	
18 Hexadecane						
2	9.242	9.245	-0.003	6322212	34.4	
16 Phenanthrene						
1	9.457	9.461	-0.004	7635547	46.1	
17 Anthracene						
1	9.548	9.553	-0.005	7317392	47.3	
20 n-Octadecane						
2	11.221	11.223	-0.002	6590532	36.1	
19 Fluoranthene						
1	11.953	11.957	-0.004	7446194	47.2	
22 C19						
2	12.192	12.194	-0.002	6522019	36.8	
21 Pyrene						
1	12.416	12.420	-0.004	7602433	45.2	
23 icosane						
2	13.136	13.139	-0.003	6522893	37.1	
27 n-Docosane						
2	14.928	14.929	-0.001	6181847	35.2	
24 Benzo[a]anthracene						
1	15.148	15.151	-0.003	7005093	50.0	
25 Chrysene						
1	15.241	15.248	-0.007	7055693	48.7	
28 n-Tetracosane						
2	16.593	16.596	-0.003	6234524	35.0	
29 Benzo[b]fluoranthene						
1	17.475	17.477	-0.002	7059414	50.7	
30 Benzo[k]fluoranthene						
1	17.537	17.543	-0.006	6728021	50.1	
31 Benzo[a]pyrene						
1	18.091	18.100	-0.009	6703341	47.3	
32 n-Hexacosane						
2	18.137	18.144	-0.007	6392476	37.8	
35 n-Octacosane						
2	19.577	19.580	-0.003	6323367	36.8	
33 Indeno[1,2,3-cd]pyrene						
1	20.137	20.144	-0.007	6909826	53.9	
34 Dibenz(a,h)anthracene						
1	20.198	20.210	-0.012	6065092	48.5	
36 Benzo[g,h,i]perylene						
1	20.552	20.562	-0.010	6595592	52.7	
37 Triacontane						
2	20.918	20.924	-0.006	6586867	36.1	
38 n-Hexatriacontane						
2	25.517	25.521	-0.004	6581209	43.2	
A 39 C9-C18 Aliphatics						
2	7.270	3.216 - 11.323		37499164	162.9	

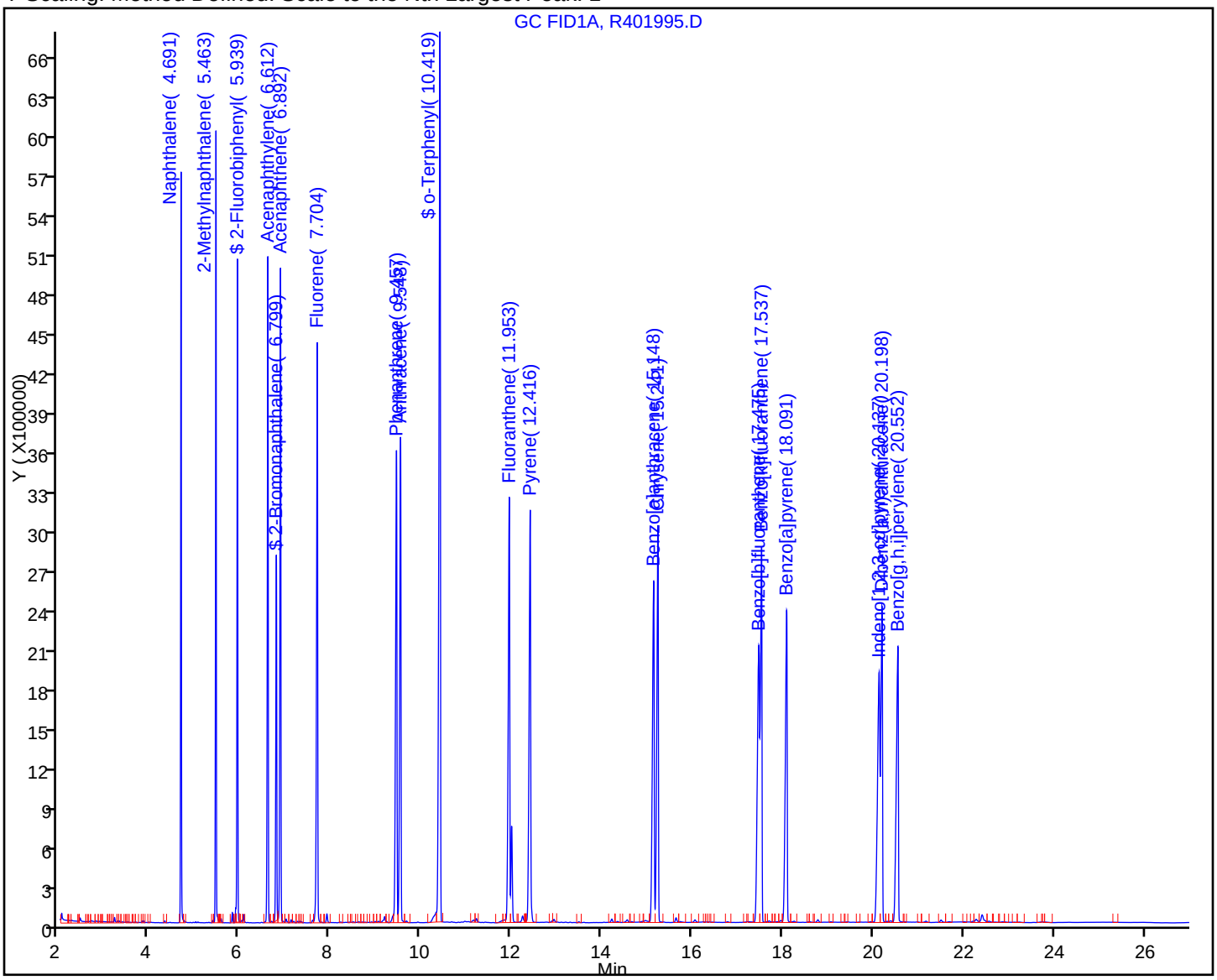
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		127199916	816.0	
A 41 C19-C36 Aliphatics						
2	18.557	11.323 - 25.773		56012561	302.6	
S 43 Total EPH						
2					594.3	
S 42 C11-C22 Aromatics (Adjusted)						
2					128.8	
S 44 EPH Adjustment 1						
1					687.2	

Report Date: 13-Dec-2011 09:25:26 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401995.D

Injection Date:	12-Dec-2011 16:26:31	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB308-1012 MS	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	28
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 MS Lab Sample ID: 360-37847-2 MS

Matrix: Solid Lab File ID: R401995.D

Analysis Method: MA-EPH Date Collected: 11/29/2011 11:20

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.32(g) Date Analyzed: 12/12/2011 16:26

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 13.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	9.77		3.8	3.8
STL00087	C19-C36 Aliphatics	23.0		3.8	3.8
STL00306	C9-C18 Aliphatics	12.4		3.8	3.8
STL00362	Total EPH	45.2		3.8	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	69		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401995.D		
Lims ID:	360-37847-A-2-B MS	Client ID:	BC-SO-SB308-1012 MS
Inject. Date:	12-Dec-2011 16:26:31	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	360-37847-A-2-B MS		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	84590	Lims Sample ID:	28
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:25:26

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.943	-0.004	6133148	43.1	
$ 2 2-Bromonaphthalene						
1	6.799	6.803	-0.004	4082905	43.4	
$ 3 o-Terphenyl						
1	10.419	10.409	0.010	15376425	86.0	
$ 4 1-Chlorooctadecane						
2	13.987	13.980	0.007	10619732	69.3	
5 n-Nonane						
2	3.313	3.316	-0.003	3122685	17.3	
6 n-Decane						
2	4.116	4.119	-0.003	4395154	22.1	
7 Naphthalene						
1	4.691	4.698	-0.007	6416362	36.2	
8 2-Methylnaphthalene						
1	5.463	5.468	-0.005	6899171	40.2	
9 Dodecane						
2	5.676	5.679	-0.003	5288310	28.0	
10 Naphthalene_B						
2	5.740	5.750	-0.010	111426	0.5332	
11 Acenaphthylene						
1	6.612	6.616	-0.004	7227539	40.4	
13 2-Methylnaphthalene_B						
2	6.646	6.654	-0.008	142965	0.6963	
12 Acenaphthene						
1	6.892	6.897	-0.005	7324583	41.1	
15 n-Tetradecane						
2	7.335	7.339	-0.004	5867766	32.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
14 Fluorene						
1	7.704	7.708	-0.004	7592922	43.9	
18 Hexadecane						
2	9.242	9.245	-0.003	6322212	34.4	
16 Phenanthrene						
1	9.457	9.461	-0.004	7635547	46.1	
17 Anthracene						
1	9.548	9.553	-0.005	7317392	47.3	
20 n-Octadecane						
2	11.221	11.223	-0.002	6590532	36.1	
19 Fluoranthene						
1	11.953	11.957	-0.004	7446194	47.2	
22 C19						
2	12.192	12.194	-0.002	6522019	36.8	
21 Pyrene						
1	12.416	12.420	-0.004	7602433	45.2	
23 icosane						
2	13.136	13.139	-0.003	6522893	37.1	
27 n-Docosane						
2	14.928	14.929	-0.001	6181847	35.2	
24 Benzo[a]anthracene						
1	15.148	15.151	-0.003	7005093	50.0	
25 Chrysene						
1	15.241	15.248	-0.007	7055693	48.7	
28 n-Tetracosane						
2	16.593	16.596	-0.003	6234524	35.0	
29 Benzo[b]fluoranthene						
1	17.475	17.477	-0.002	7059414	50.7	
30 Benzo[k]fluoranthene						
1	17.537	17.543	-0.006	6728021	50.1	
31 Benzo[a]pyrene						
1	18.091	18.100	-0.009	6703341	47.3	
32 n-Hexacosane						
2	18.137	18.144	-0.007	6392476	37.8	
35 n-Octacosane						
2	19.577	19.580	-0.003	6323367	36.8	
33 Indeno[1,2,3-cd]pyrene						
1	20.137	20.144	-0.007	6909826	53.9	
34 Dibenz(a,h)anthracene						
1	20.198	20.210	-0.012	6065092	48.5	
36 Benzo[g,h,i]perylene						
1	20.552	20.562	-0.010	6595592	52.7	
37 Triacontane						
2	20.918	20.924	-0.006	6586867	36.1	
38 n-Hexatriacontane						
2	25.517	25.521	-0.004	6581209	43.2	
A 39 C9-C18 Aliphatics						
2	7.270	3.216 - 11.323		37499164	162.9	

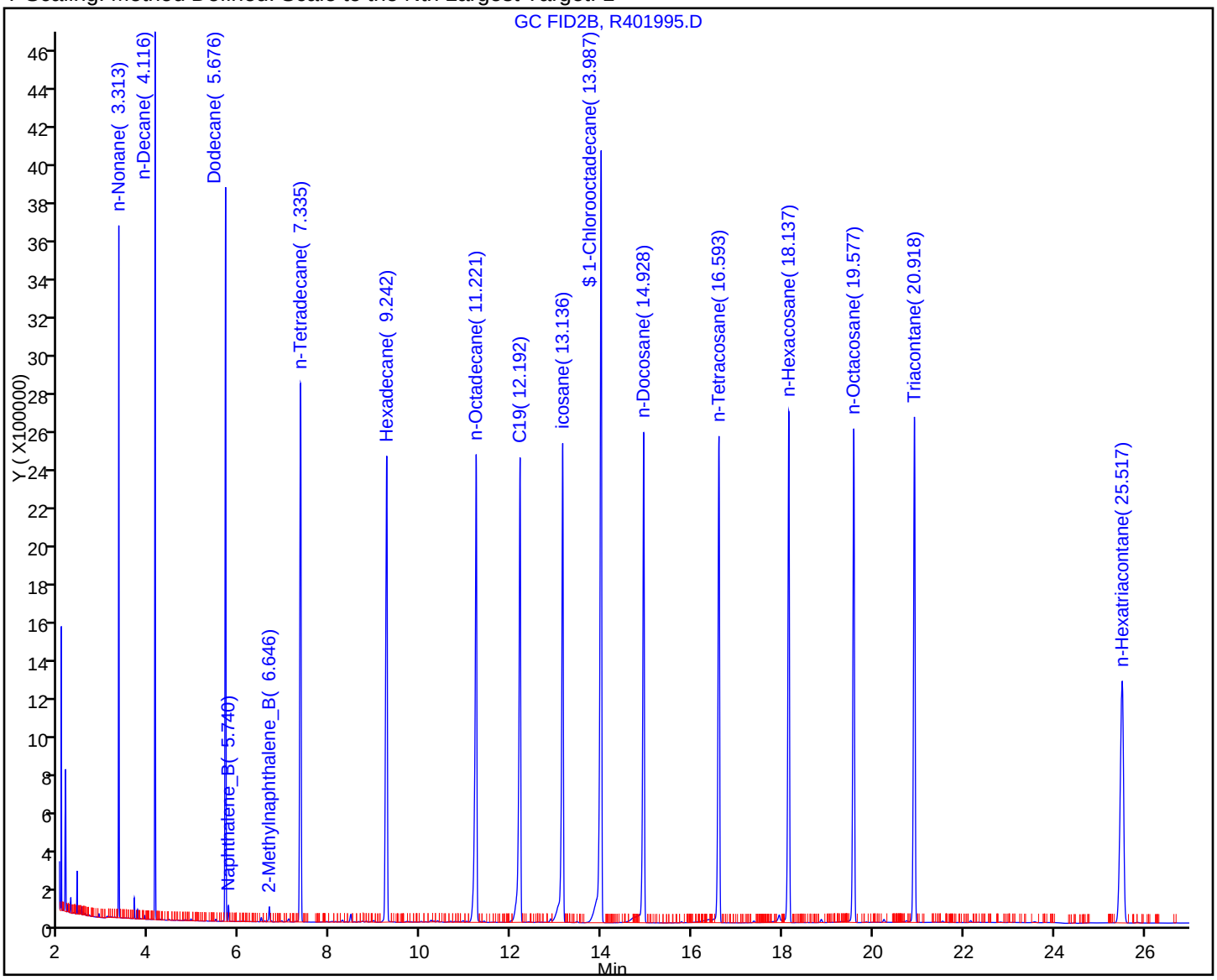
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		127199916	816.0	
A 41 C19-C36 Aliphatics						
2	18.557	11.323 - 25.773		56012561	302.6	
S 43 Total EPH						
2					594.3	
S 42 C11-C22 Aromatics (Adjusted)						
2					128.8	
S 44 EPH Adjustment 1						
1					687.2	

Report Date: 13-Dec-2011 09:25:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401995.D

Injection Date:	12-Dec-2011 16:26:31	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB308-1012 MS	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	28
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 MSD | Lab Sample ID: 360-37847-2 MSD

Matrix: Solid | Lab File ID: R401997.D

Analysis Method: MA-EPH | Date Collected: 11/29/2011 11:20

Extraction Method: 3546 | Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.47(g) | Date Analyzed: 12/12/2011 17:00

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	2.77		0.39	0.39
208-96-8	Acenaphthylene	2.74		0.39	0.39
120-12-7	Anthracene	3.26		0.39	0.39
56-55-3	Benzo[a]anthracene	3.40		0.39	0.39
50-32-8	Benzo[a]pyrene	3.24		0.39	0.39
205-99-2	Benzo[b]fluoranthene	3.37		0.39	0.39
191-24-2	Benzo[g,h,i]perylene	3.60		0.39	0.39
207-08-9	Benzo[k]fluoranthene	3.47		0.39	0.39
218-01-9	Chrysene	3.31		0.39	0.39
53-70-3	Dibenz(a,h)anthracene	3.40		0.39	0.39
206-44-0	Fluoranthene	3.22		0.39	0.39
86-73-7	Fluorene	2.99		0.39	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	3.54		0.39	0.39
91-57-6	2-Methylnaphthalene	2.77		0.39	0.39
91-20-3	Naphthalene	2.53		0.39	0.39
85-01-8	Phenanthrene	3.13		0.39	0.39
129-00-0	Pyrene	3.10		0.39	0.39
STL00058	C11-C22 Aromatics (unadjusted)	56.0		3.9	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	84		40-140
321-60-8	2-Fluorobiphenyl	83		40-140
84-15-1	o-Terphenyl	79		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401997.D		
Lims ID:	360-37847-A-2-C MSD	Client ID:	BC-SO-SB308-1012 MSD
Inject. Date:	12-Dec-2011 17:00:28	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	360-37847-A-2-C MSD		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	84590	Lims Sample ID:	29
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:25:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.943	-0.005	5918050	41.6	
$ 2 2-Bromonaphthalene						
1	6.799	6.803	-0.004	3956519	42.0	
$ 3 o-Terphenyl						
1	10.417	10.409	0.008	14171132	79.3	
$ 4 1-Chlorooctadecane						
2	13.985	13.980	0.005	9755637	63.6	
5 n-Nonane						
2	3.313	3.316	-0.003	2974064	16.5	
6 n-Decane						
2	4.117	4.119	-0.002	4204228	21.2	
7 Naphthalene						
1	4.690	4.698	-0.008	5740512	32.4	
8 2-Methylnaphthalene						
1	5.462	5.468	-0.006	6093562	35.5	
9 Dodecane						
2	5.676	5.679	-0.003	5049424	26.7	
10 Naphthalene_B						
2	5.741	5.750	-0.009	75582	0.3617	7
LOD = 0.5000						
11 Acenaphthylene						
1	6.610	6.616	-0.006	6285850	35.1	
13 2-Methylnaphthalene_B						
2	6.645	6.654	-0.009	108677	0.5293	
12 Acenaphthene						
1	6.889	6.897	-0.008	6335883	35.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
15 n-Tetradecane						
2	7.337	7.339	-0.002	5639050	31.3	
14 Fluorene						
1	7.703	7.708	-0.005	6632762	38.3	
18 Hexadecane						
2	9.242	9.245	-0.003	6096585	33.1	
16 Phenanthrene						
1	9.453	9.461	-0.008	6640509	40.1	
17 Anthracene						
1	9.544	9.553	-0.009	6447970	41.7	
20 n-Octadecane						
2	11.221	11.223	-0.002	6292419	34.5	
19 Fluoranthene						
1	11.949	11.957	-0.008	6516328	41.3	
22 C19						
2	12.192	12.194	-0.002	6171848	34.8	
21 Pyrene						
1	12.413	12.420	-0.007	6685125	39.7	
23 icosane						
2	13.135	13.139	-0.004	6165019	35.1	
27 n-Docosane						
2	14.927	14.929	-0.002	5796645	33.0	
24 Benzo[a]anthracene						
1	15.144	15.151	-0.007	6092886	43.5	
25 Chrysene						
1	15.237	15.248	-0.011	6143842	42.4	
28 n-Tetracosane						
2	16.591	16.596	-0.005	5864542	32.9	
29 Benzo[b]fluoranthene						
1	17.470	17.477	-0.007	6015560	43.2	
30 Benzo[k]fluoranthene						
1	17.526	17.543	-0.017	5969780	44.4	
31 Benzo[a]pyrene						
1	18.087	18.100	-0.013	5877608	41.5	
32 n-Hexacosane						
2	18.137	18.144	-0.007	6005995	35.5	
35 n-Octacosane						
2	19.577	19.580	-0.003	5941358	34.6	
33 Indeno[1,2,3-cd]pyrene						
1	20.128	20.144	-0.016	5809885	45.3	
34 Dibenz(a,h)anthracene						
1	20.196	20.210	-0.014	5453965	43.6	
36 Benzo[g,h,i]perylene						
1	20.547	20.562	-0.015	5763750	46.1	
37 Triacontane						
2	20.921	20.924	-0.003	6189987	34.0	
38 n-Hexatriacontane						
2	25.512	25.521	-0.009	6183055	40.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	7.270	3.216 - 11.323		36988077	160.1	
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		111778186	717.0	
A 41 C19-C36 Aliphatics						
2	18.557	11.323 -25.773		53862883	289.9	
S 43 Total EPH						
2					566.3	
S 42 C11-C22 Aromatics (Adjusted)						
2					116.3	
S 44 EPH Adjustment 1						
1					600.8	

QC Flag Legend

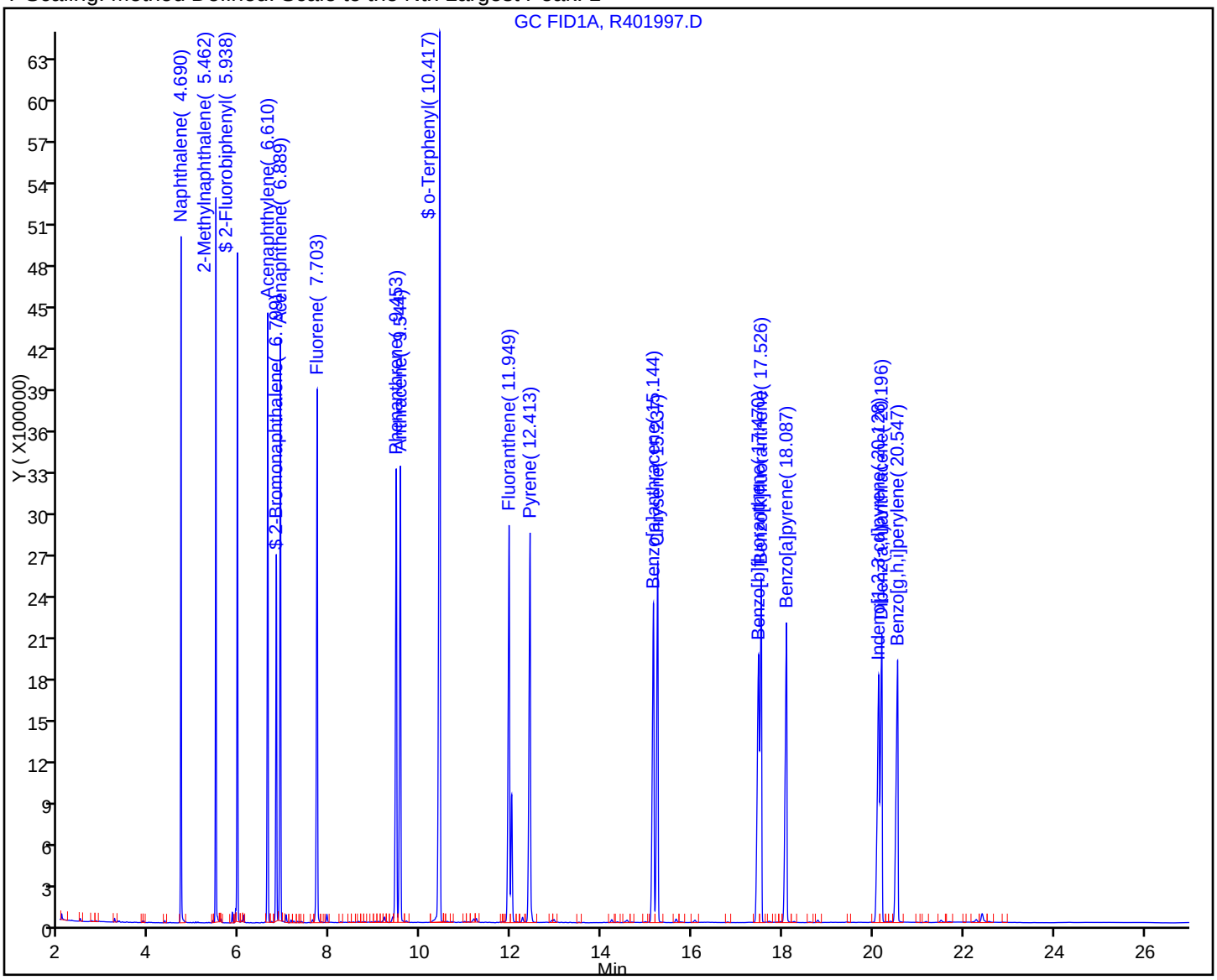
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:25:32 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401997.D

Injection Date:	12-Dec-2011 17:00:28	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB308-1012 MSD	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	29
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Client Sample ID: BC-SO-SB308-1012 MSD Lab Sample ID: 360-37847-2 MSD

Matrix: Solid Lab File ID: R401997.D

Analysis Method: MA-EPH Date Collected: 11/29/2011 11:20

Extraction Method: 3546 Date Extracted: 11/30/2011 14:55

Sample wt/vol: 30.47(g) Date Analyzed: 12/12/2011 17:00

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 15.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 84590 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	9.08		3.9	3.9
STL00087	C19-C36 Aliphatics	22.6		3.9	3.9
STL00306	C9-C18 Aliphatics	12.5		3.9	3.9
STL00362	Total EPH	44.2		3.9	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	64		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401997.D		
Lims ID:	360-37847-A-2-C MSD	Client ID:	BC-SO-SB308-1012 MSD
Inject. Date:	12-Dec-2011 17:00:28	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	360-37847-A-2-C MSD		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	84590	Lims Sample ID:	29
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111212-7380.b\MAEPH-R.m		
Last Update:	13-Dec-2011 09:11:41	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 13-Dec-2011 09:25:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.943	-0.005	5918050	41.6	
$ 2 2-Bromonaphthalene						
1	6.799	6.803	-0.004	3956519	42.0	
$ 3 o-Terphenyl						
1	10.417	10.409	0.008	14171132	79.3	
$ 4 1-Chlorooctadecane						
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6 n-Decane						
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7 Naphthalene						
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2	5.676	5.679	-0.003	5049424	26.7	
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LOD = 0.5000						
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1	6.889	6.897	-0.008	6335883	35.5	

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19 Fluoranthene						
1	11.949	11.957	-0.008	6516328	41.3	
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30 Benzo[k]fluoranthene						
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35 n-Octacosane						
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33 Indeno[1,2,3-cd]pyrene						
1	20.128	20.144	-0.016	5809885	45.3	
34 Dibenz(a,h)anthracene						
1	20.196	20.210	-0.014	5453965	43.6	
36 Benzo[g,h,i]perylene						
1	20.547	20.562	-0.015	5763750	46.1	
37 Triacontane						
2	20.921	20.924	-0.003	6189987	34.0	
38 n-Hexatriacontane						
2	25.512	25.521	-0.009	6183055	40.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 39 C9-C18 Aliphatics						
2	7.270	3.216 - 11.323		36988077	160.1	
A 40 C11-C22 Aromatics						
1	12.767	4.598 - 20.998		111778186	717.0	
A 41 C19-C36 Aliphatics						
2	18.557	11.323 -25.773		53862883	289.9	
S 43 Total EPH						
2					566.3	
S 42 C11-C22 Aromatics (Adjusted)						
2					116.3	
S 44 EPH Adjustment 1						
1					600.8	

QC Flag Legend

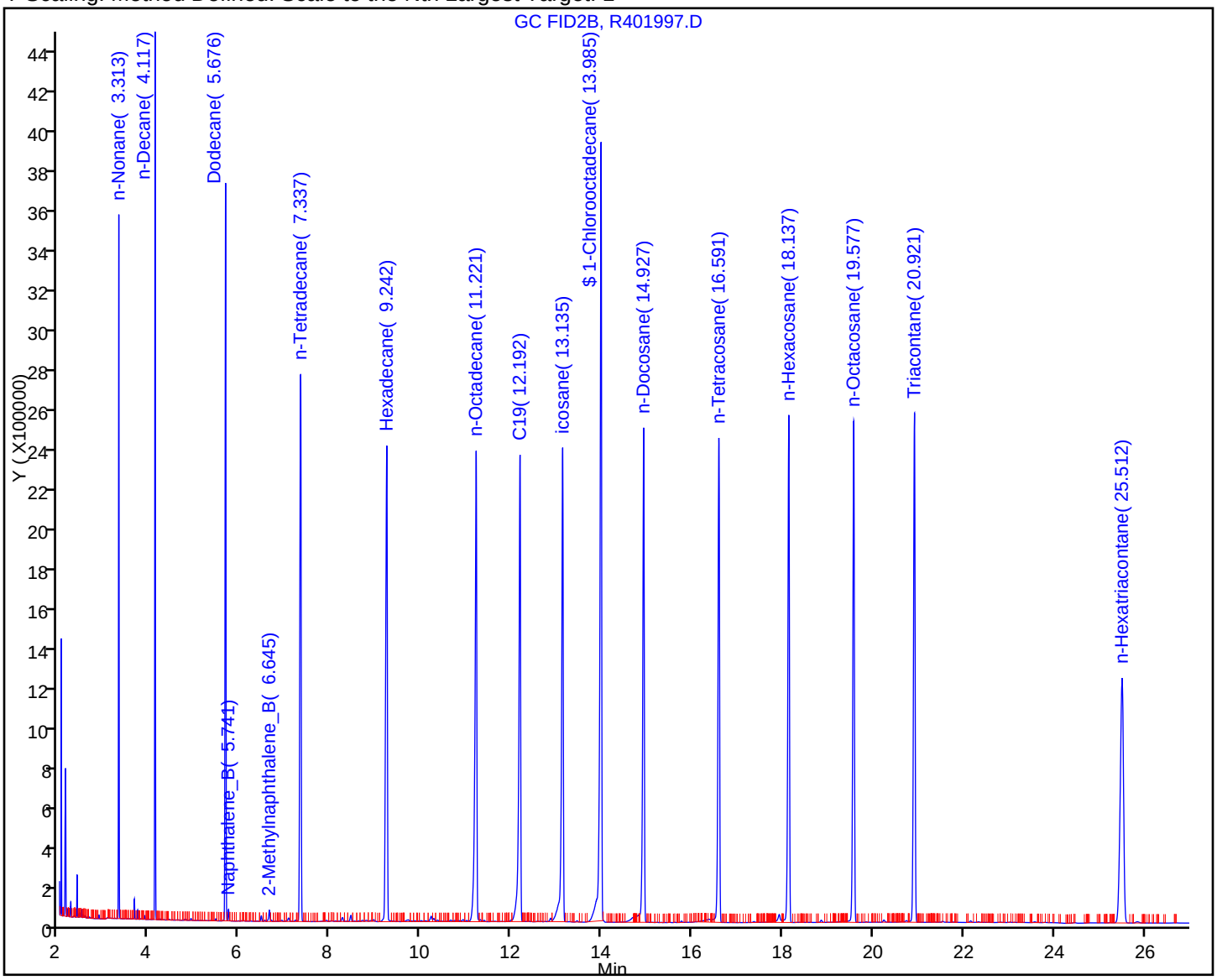
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:25:33 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111212-7380.b\R401997.D

Injection Date:	12-Dec-2011 17:00:28	Limit Group:	GC MA EPH
Client ID:	BC-SO-SB308-1012 MSD	Instrument ID:	INST R
Lims Batch ID:	84590	Lims Sample ID:	29
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Instrument ID: INST R Start Date: 11/04/2011 15:33

Analysis Batch Number: 82885 End Date: 11/06/2011 11:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD01 360-82885/2 IC		11/04/2011 15:33	1	R400713.D	RTX-5 0.25(mm)
STD01 360-82885/2 IC		11/04/2011 15:33	1	R400713.D	RTX-5 0.25(mm)
STD05 360-82885/3 IC		11/04/2011 16:07	1	R400715.D	RTX-5 0.25(mm)
STD05 360-82885/3 IC		11/04/2011 16:07	1	R400715.D	RTX-5 0.25(mm)
STD1 360-82885/4 IC		11/04/2011 16:41	1	R400717.D	RTX-5 0.25(mm)
STD1 360-82885/4 IC		11/04/2011 16:41	1	R400717.D	RTX-5 0.25(mm)
STD5 360-82885/5 IC		11/04/2011 17:14	1	R400719.D	RTX-5 0.25(mm)
STD5 360-82885/5 IC		11/04/2011 17:14	1	R400719.D	RTX-5 0.25(mm)
STD10 360-82885/6 IC		11/04/2011 17:48	1	R400721.D	RTX-5 0.25(mm)
STD10 360-82885/6 IC		11/04/2011 17:48	1	R400721.D	RTX-5 0.25(mm)
STD25 360-82885/7 IC		11/04/2011 18:22	1	R400723.D	RTX-5 0.25(mm)
STD25 360-82885/7 IC		11/04/2011 18:22	1	R400723.D	RTX-5 0.25(mm)
STD50 360-82885/1 ICIS		11/04/2011 18:55	1	R400725.D	RTX-5 0.25(mm)
STD50 360-82885/1 ICIS		11/04/2011 18:55	1	R400725.D	RTX-5 0.25(mm)
STD100 360-82885/8 IC		11/04/2011 19:29	1	R400727.D	RTX-5 0.25(mm)
STD100 360-82885/8 IC		11/04/2011 19:29	1	R400727.D	RTX-5 0.25(mm)
STD200 360-82885/9 IC		11/04/2011 20:03	1	R400729.D	RTX-5 0.25(mm)
STD200 360-82885/9 IC		11/04/2011 20:03	1	R400729.D	RTX-5 0.25(mm)
STD1 360-82885/10 IC		11/04/2011 20:37	1		RTX-5 0.25(mm)
STD5 360-82885/11 IC		11/04/2011 21:11	1		RTX-5 0.25(mm)
STD10 360-82885/12 IC		11/04/2011 21:45	1		RTX-5 0.25(mm)
ICV 360-82885/13		11/06/2011 11:19	1		RTX-5 0.25(mm)
ICV 360-82885/13		11/06/2011 11:19	1		RTX-5 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Instrument ID: INST R Start Date: 12/08/2011 13:08

Analysis Batch Number: 84518 End Date: 12/09/2011 11:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-84518/1		12/08/2011 13:08	1	R401855.D	RTX-5 0.25(mm)
CCVRT 360-84518/1		12/08/2011 13:08	1	R401855.D	RTX-5 0.25(mm)
ZZZZZ		12/08/2011 13:58	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 13:58	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 17:23	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 17:23	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 17:57	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 17:57	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 18:30	1		RTX-5 0.25(mm)
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ZZZZZ		12/08/2011 19:05	1		RTX-5 0.25(mm)
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ZZZZZ		12/08/2011 22:29	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 23:03	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 23:03	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 23:37	1		RTX-5 0.25(mm)
ZZZZZ		12/08/2011 23:37	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 00:11	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 00:11	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 00:45	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 00:45	1		RTX-5 0.25(mm)
CCV 360-84518/22		12/09/2011 01:19	1	R401897.D	RTX-5 0.25(mm)
CCV 360-84518/22		12/09/2011 01:19	1	R401897.D	RTX-5 0.25(mm)
ZZZZZ		12/09/2011 01:53	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 01:53	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 02:27	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 02:27	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 03:02	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 03:02	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 03:36	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 03:36	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 04:44	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 04:44	1		RTX-5 0.25(mm)
LCS 360-84105/2-A		12/09/2011 05:52	1	R401913.D	RTX-5 0.25(mm)

MA-EPH

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Instrument ID: INST R Start Date: 12/08/2011 13:08

Analysis Batch Number: 84518 End Date: 12/09/2011 11:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
LCS 360-84105/2-A		12/09/2011 05:52	1	R401913.D	RTX-5 0.25(mm)
LCSD 360-84105/3-A		12/09/2011 06:27	1	R401915.D	RTX-5 0.25(mm)
LCSD 360-84105/3-A		12/09/2011 06:27	1	R401915.D	RTX-5 0.25(mm)
ZZZZZ		12/09/2011 08:09	1.03		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 08:09	1.03		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 09:52	1		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 09:52	1		RTX-5 0.25(mm)
MB 360-84105/1-A		12/09/2011 10:26	1	R401925.D	RTX-5 0.25(mm)
MB 360-84105/1-A		12/09/2011 10:26	1	R401925.D	RTX-5 0.25(mm)
ZZZZZ		12/09/2011 11:00	100		RTX-5 0.25(mm)
ZZZZZ		12/09/2011 11:00	100		RTX-5 0.25(mm)
CCV 360-84518/36		12/09/2011 11:34	1	R401929.D	RTX-5 0.25(mm)
CCV 360-84518/36		12/09/2011 11:34	1	R401929.D	RTX-5 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Instrument ID: INST R Start Date: 12/12/2011 09:53

Analysis Batch Number: 84590 End Date: 12/13/2011 12:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-84590/1		12/12/2011 09:53	1	R401977.D	RTX-5 0.25(mm)
CCVRT 360-84590/1		12/12/2011 09:53	1	R401977.D	RTX-5 0.25(mm)
ZZZZZ		12/12/2011 11:01	25		RTX-5 0.25(mm)
ZZZZZ		12/12/2011 11:01	25		RTX-5 0.25(mm)
ZZZZZ		12/12/2011 11:35	1		RTX-5 0.25(mm)
ZZZZZ		12/12/2011 11:35	1		RTX-5 0.25(mm)
ZZZZZ		12/12/2011 12:09	1		RTX-5 0.25(mm)
ZZZZZ		12/12/2011 12:09	1		RTX-5 0.25(mm)
ZZZZZ		12/12/2011 12:43	1		RTX-5 0.25(mm)
ZZZZZ		12/12/2011 12:43	1		RTX-5 0.25(mm)
CCV 360-84590/22		12/12/2011 13:23	1	R401989.D	RTX-5 0.25(mm)
CCV 360-84590/22		12/12/2011 13:23	1	R401989.D	RTX-5 0.25(mm)
360-37847-1	BC-SO-SB304-0406	12/12/2011 15:18	1	R401991.D	RTX-5 0.25(mm)
360-37847-1	BC-SO-SB304-0406	12/12/2011 15:18	1	R401991.D	RTX-5 0.25(mm)
360-37847-2	BC-SO-SB308-1012	12/12/2011 15:52	1	R401993.D	RTX-5 0.25(mm)
360-37847-2	BC-SO-SB308-1012	12/12/2011 15:52	1	R401993.D	RTX-5 0.25(mm)
360-37847-2 MS	BC-SO-SB308-1012 MS	12/12/2011 16:26	1	R401995.D	RTX-5 0.25(mm)
360-37847-2 MS	BC-SO-SB308-1012 MS	12/12/2011 16:26	1	R401995.D	RTX-5 0.25(mm)
360-37847-2 MSD	BC-SO-SB308-1012 MSD	12/12/2011 17:00	1	R401997.D	RTX-5 0.25(mm)
360-37847-2 MSD	BC-SO-SB308-1012 MSD	12/12/2011 17:00	1	R401997.D	RTX-5 0.25(mm)
360-37847-3	BC-SO-SB305-1012	12/12/2011 17:34	1	R401999.D	RTX-5 0.25(mm)
360-37847-3	BC-SO-SB305-1012	12/12/2011 17:34	1	R401999.D	RTX-5 0.25(mm)
360-37847-4	BC-SO-SB306-1012	12/12/2011 18:08	1	R402001.D	RTX-5 0.25(mm)
360-37847-4	BC-SO-SB306-1012	12/12/2011 18:08	1	R402001.D	RTX-5 0.25(mm)
360-37847-5	BC-SO-SB305-0203	12/12/2011 18:42	1	R402003.D	RTX-5 0.25(mm)
360-37847-5	BC-SO-SB305-0203	12/12/2011 18:42	1	R402003.D	RTX-5 0.25(mm)
360-37847-6	BC-SO-SB307-0810	12/12/2011 19:16	1	R402005.D	RTX-5 0.25(mm)
360-37847-6	BC-SO-SB307-0810	12/12/2011 19:16	1	R402005.D	RTX-5 0.25(mm)
360-37847-8	BC-SO-SB200A-0406	12/12/2011 19:50	1	R402007.D	RTX-5 0.25(mm)
360-37847-8	BC-SO-SB200A-0406	12/12/2011 19:50	1	R402007.D	RTX-5 0.25(mm)
ZZZZZ		12/12/2011 20:24	1		RTX-5 0.25(mm)
ZZZZZ		12/12/2011 20:24	1		RTX-5 0.25(mm)
ZZZZZ		12/12/2011 20:58	1		RTX-5 0.25(mm)
ZZZZZ		12/12/2011 20:58	1		RTX-5 0.25(mm)
ZZZZZ		12/12/2011 21:32	1		RTX-5 0.25(mm)
ZZZZZ		12/12/2011 21:32	1		RTX-5 0.25(mm)
ZZZZZ		12/12/2011 23:49	1		RTX-5 0.25(mm)
ZZZZZ		12/12/2011 23:49	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 02:06	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 02:06	1		RTX-5 0.25(mm)
CCV 360-84590/46		12/13/2011 02:40	1	R402031.D	RTX-5 0.25(mm)
CCV 360-84590/46		12/13/2011 02:40	1	R402031.D	RTX-5 0.25(mm)
ZZZZZ		12/13/2011 07:31	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 07:31	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 08:06	1		RTX-5 0.25(mm)

MA-EPH

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Instrument ID: INST R Start Date: 12/12/2011 09:53

Analysis Batch Number: 84590 End Date: 12/13/2011 12:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/13/2011 08:06	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 08:40	5		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 08:40	5		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 10:22	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 10:22	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 10:57	1.3		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 10:57	1.3		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 11:31	1.3		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 11:31	1.3		RTX-5 0.25(mm)
CCV 360-84590/55		12/13/2011 12:10	1		RTX-5 0.25(mm)
CCV 360-84590/55		12/13/2011 12:10	1		RTX-5 0.25(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Batch Number: 84105 Batch Start Date: 11/30/11 14:55 Batch Analyst: Voudren, Timothy L

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP-cod/otp 00111	OP-EPH Mat 00217	AnalysisComment	
MB 360-84105/1		3546, MA-EPH		30.00 g	2.0 mL	1 mL			
LCS 360-84105/2		3546, MA-EPH		30.00 g	2.0 mL	1 mL	500 uL		
LCSD 360-84105/3		3546, MA-EPH		30.00 g	2.0 mL	1 mL	500 uL		
360-37847-A-1	BC-SO-SB304-0406	3546, MA-EPH	T	30.37 g	2.0 mL	1 mL		rocks	
360-37847-A-2	BC-SO-SB308-1012	3546, MA-EPH	T	30.15 g	2.0 mL	1 mL		wet/rocks	
360-37847-A-2 MS	BC-SO-SB308-1012	3546, MA-EPH	T	30.32 g	2.0 mL	1 mL	500 uL	wet/rocks	
360-37847-A-2 MSD	BC-SO-SB308-1012	3546, MA-EPH	T	30.47 g	2.0 mL	1 mL	500 uL	wet/rocks	
360-37847-A-3	BC-SO-SB305-1012	3546, MA-EPH	T	30.63 g	2.0 mL	1 mL			
360-37847-A-4	BC-SO-SB306-1012	3546, MA-EPH	T	30.56 g	2.0 mL	1 mL		rocks	
360-37847-A-5	BC-SO-SB305-0203	3546, MA-EPH	T	30.78 g	2.0 mL	1 mL			
360-37847-A-6	BC-SO-SB307-0810	3546, MA-EPH	T	30.43 g	2.0 mL	1 mL		rocks	
360-37847-A-8	BC-SO-SB200A-0406	3546, MA-EPH	T	30.13 g	2.0 mL	1 mL			

Batch Notes	
Person's name who did the concentration	TV
Person's name who did the prep	TV

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37847-1

SDG No.: 360-37847

Project: Beaton & Corbin Factory Site

Client Sample ID	Lab Sample ID
BC-SO-SB304-0406	360-37847-1
BC-SO-SB308-1012	360-37847-2
BC-SO-SB305-1012	360-37847-3
BC-SO-SB306-1012	360-37847-4
BC-SO-SB305-0203	360-37847-5
BC-SO-SB307-0810	360-37847-6
BC-SO-SB200A-0406	360-37847-8

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB304-0406 Lab Sample ID: 360-37847-1

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG ID.: 360-37847

Matrix: Solid Date Sampled: 11/29/2011 13:20

Reporting Basis: DRY Date Received: 11/30/2011 10:35

% Solids: 82.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	1.6	0.29	mg/Kg			1	6010B
7440-39-3	Barium	45	0.79	0.39	mg/Kg			1	6010B
7440-43-9	Cadmium	ND	0.32	0.013	mg/Kg			1	6010B
7440-47-3	Chromium	44	0.79	0.39	mg/Kg			1	6010B
7439-92-1	Lead	59	0.79	0.089	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.79	0.30	mg/Kg			1	6010B
7440-22-4	Silver	ND	1.6	0.091	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.086	0.021	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB308-1012 Lab Sample ID: 360-37847-2

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG ID.: 360-37847

Matrix: Solid Date Sampled: 11/29/2011 11:20

Reporting Basis: DRY Date Received: 11/30/2011 10:35

% Solids: 85.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.5	1.4	0.25	mg/Kg			1	6010B
7440-39-3	Barium	110	0.69	0.34	mg/Kg			1	6010B
7440-43-9	Cadmium	ND	0.28	0.011	mg/Kg			1	6010B
7440-47-3	Chromium	21	0.69	0.34	mg/Kg			1	6010B
7439-92-1	Lead	4.7	0.69	0.077	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.69	0.26	mg/Kg			1	6010B
7440-22-4	Silver	ND	1.4	0.079	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.098	0.024	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB305-1012 Lab Sample ID: 360-37847-3

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG ID.: 360-37847

Matrix: Solid Date Sampled: 11/29/2011 09:00

Reporting Basis: DRY Date Received: 11/30/2011 10:35

% Solids: 85.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.4	1.4	0.26	mg/Kg			1	6010B
7440-39-3	Barium	50	0.72	0.36	mg/Kg			1	6010B
7440-43-9	Cadmium	4.6	0.29	0.012	mg/Kg			1	6010B
7440-47-3	Chromium	79	0.72	0.36	mg/Kg			1	6010B
7439-92-1	Lead	4.8	0.72	0.081	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.72	0.28	mg/Kg			1	6010B
7440-22-4	Silver	ND	1.4	0.083	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.084	0.020	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB306-1012 Lab Sample ID: 360-37847-4

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG ID.: 360-37847

Matrix: Solid Date Sampled: 11/29/2011 09:55

Reporting Basis: DRY Date Received: 11/30/2011 10:35

% Solids: 88.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	1.3	0.24	mg/Kg			1	6010B
7440-39-3	Barium	75	0.66	0.33	mg/Kg			1	6010B
7440-43-9	Cadmium	ND	0.26	0.011	mg/Kg			1	6010B
7440-47-3	Chromium	19	0.66	0.33	mg/Kg			1	6010B
7439-92-1	Lead	6.4	0.66	0.074	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.66	0.25	mg/Kg			1	6010B
7440-22-4	Silver	ND	1.3	0.075	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.099	0.024	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB305-0203 Lab Sample ID: 360-37847-5

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG ID.: 360-37847

Matrix: Solid Date Sampled: 11/29/2011 08:45

Reporting Basis: DRY Date Received: 11/30/2011 10:35

% Solids: 84.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	66	12	mg/Kg			50	6010B
7440-39-3	Barium	ND	33	17	mg/Kg			50	6010B
7440-43-9	Cadmium	ND	13	0.53	mg/Kg			50	6010B
7440-47-3	Chromium	9700	33	17	mg/Kg			50	6010B
7439-92-1	Lead	48	33	3.7	mg/Kg			50	6010B
7782-49-2	Selenium	ND	33	13	mg/Kg			50	6010B
7440-22-4	Silver	ND	66	3.8	mg/Kg			50	6010B
7439-97-6	Mercury	ND	0.091	0.022	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB307-0810 Lab Sample ID: 360-37847-6

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG ID.: 360-37847

Matrix: Solid Date Sampled: 11/29/2011 14:40

Reporting Basis: DRY Date Received: 11/30/2011 10:35

% Solids: 83.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.7	1.5	0.27	mg/Kg			1	6010B
7440-39-3	Barium	140	0.76	0.38	mg/Kg			1	6010B
7440-43-9	Cadmium	ND	0.30	0.012	mg/Kg			1	6010B
7440-47-3	Chromium	36	0.76	0.38	mg/Kg			1	6010B
7439-92-1	Lead	5.0	0.76	0.085	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.76	0.29	mg/Kg			1	6010B
7440-22-4	Silver	ND	1.5	0.087	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.089	0.021	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-SO-SB200A-0406 Lab Sample ID: 360-37847-8

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG ID.: 360-37847

Matrix: Solid Date Sampled: 11/29/2011 15:35

Reporting Basis: DRY Date Received: 11/30/2011 10:35

% Solids: 92.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	1.1	0.20	mg/Kg			1	6010B
7440-39-3	Barium	10	0.56	0.28	mg/Kg			1	6010B
7440-43-9	Cadmium	ND	0.22	0.0089	mg/Kg			1	6010B
7440-47-3	Chromium	6.0	0.56	0.28	mg/Kg			1	6010B
7439-92-1	Lead	2.1	0.56	0.063	mg/Kg			1	6010B
7782-49-2	Selenium	ND	0.56	0.21	mg/Kg			1	6010B
7440-22-4	Silver	ND	1.1	0.064	mg/Kg			1	6010B
7439-97-6	Mercury	ND	0.094	0.023	mg/Kg			1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

ICV Source: VARICV wk_00017 Concentration Units: ug/L

CCV Source: MEVARCCV_00040

Analyte	ICV 360-84306/10 12/02/2011 11:39				CCV 360-84306/17 12/02/2011 12:00				CCV 360-84306/24 12/02/2011 16:57			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1010		1000	101	1010		1000	101	1030		1000	103
Barium	1010		1000	101	1000		1000	100	1020		1000	102
Cadmium	1000		1000	100	1010		1000	101	1040		1000	104
Chromium	1000		1000	100	1010		1000	101	1030		1000	103
Lead	1010		1000	101	1010		1000	101	1040		1000	104
Selenium	1010		1000	101	1000		1000	100	1030		1000	103
Silver	1000		1000	100	1000		1000	100	1030		1000	103

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.: 360-37847-1

SDG No.: 360-37847

ICV Source: VARICV wk_00017 Concentration Units: ug/L

CCV Source: MEVARCCV_00040

Analyte	CCV 360-84306/27 12/02/2011 17:36				CCV 360-84306/39 12/02/2011 18:12				CCV 360-84306/51 12/02/2011 18:47			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	981		1000	98	984		1000	98	978		1000	98
Barium	966		1000	97	973		1000	97	968		1000	97
Cadmium	986		1000	99	991		1000	99	985		1000	98
Chromium	977		1000	98	981		1000	98	976		1000	98
Lead	986		1000	99	994		1000	99	989		1000	99
Selenium	968		1000	97	974		1000	97	967		1000	97
Silver	968		1000	97	973		1000	97	972		1000	97

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

ICV Source: VARICV wk_00017 Concentration Units: ug/L

CCV Source: MEVARCCV_00040

Analyte	CCV 360-84306/60 12/02/2011 19:13											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	993		1000	99								
Barium	988		1000	99								
Cadmium	999		1000	100								
Chromium	989		1000	99								
Lead	1010		1000	101								
Selenium	984		1000	98								
Silver	989		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.: 360-37847-1

SDG No.: 360-37847

ICV Source: METHG1mg/L_00789 Concentration Units: ug/L

CCV Source: METHG1mg/L_00789

Analyte	ICV 360-84566/13 12/09/2011 11:40				CCV 360-84566/26 12/09/2011 12:09				CCV 360-84566/38 12/09/2011 12:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.04		5.00	101	5.01		5.00	100	4.97		5.00	99

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-84306/12 Concentration Units: ug/L

CRQL Check Standard Source: CRIRL wk_00013

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	10.0	ND		93	70-130
Barium	10.0	11.3		113	70-130
Cadmium	1.00	1.05		105	70-130
Chromium	5.00	ND		99	70-130
Lead	5.00	5.41		108	70-130
Selenium	10.0	10.9		109	70-130
Silver	5.00	ND		78	70-130

Lab Sample ID: CRI 360-84306/13 Concentration Units: ug/L

CRQL Check Standard Source: CRIMCP wk_00014

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	50.0	50.9		102	70-130
Barium	2000	2300		115	70-130
Cadmium	5.00	5.31		106	70-130
Chromium	100	109		109	70-130
Lead	15.0	17.0		113	70-130
Selenium	50.0	52.0		104	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.: 360-37847-1

SDG No.: 360-37847

Concentration Units: ug/L

Analyte	RL	ICB 360-84306/11 12/02/2011 11:42		CCB 360-84306/18 12/02/2011 12:03		CCB 360-84306/25 12/02/2011 17:00		CCB 360-84306/28 12/02/2011 17:39	
		Found	C	Found	C	Found	C	Found	C
Arsenic	10	ND		ND		ND		ND	
Barium	10	ND		ND		ND		ND	
Cadmium	1.0	ND		ND		ND		ND	
Chromium	5.0	ND		ND		ND		ND	
Lead	5.0	ND		ND		ND		ND	
Selenium	10	ND		ND		ND		ND	
Silver	5.0	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Concentration Units: ug/L

Analyte	RL	CCB 360-84306/40 12/02/2011 18:15		CCB 360-84306/52 12/02/2011 18:50		CCB 360-84306/61 12/02/2011 19:16			
		Found	C	Found	C	Found	C	Found	C
Arsenic	10	ND		ND		ND			
Barium	10	ND		ND		ND			
Cadmium	1.0	ND		ND		ND			
Chromium	5.0	ND		ND		ND			
Lead	5.0	ND		ND		ND			
Selenium	10	ND		ND		ND			
Silver	5.0	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Concentration Units: ug/L

Analyte	RL	ICB 360-84566/15 12/09/2011 11:44		CCB 360-84566/27 12/09/2011 12:10		CCB 360-84566/39 12/09/2011 12:33			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Concentration Units: mg/Kg Lab Sample ID: MB 360-84222/1-A

Instrument Code: Varian ICP Batch No.: 84306

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010RCP
7440-39-3	Barium	ND			6010RCP
7440-43-9	Cadmium	ND			6010RCP
7440-47-3	Chromium	ND			6010RCP
7439-92-1	Lead	ND			6010RCP
7782-49-2	Selenium	ND			6010RCP
7440-22-4	Silver	ND			6010RCP

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Concentration Units: mg/Kg Lab Sample ID: MB 360-84497/1-A

Instrument Code: Hg Analyzer Batch No.: 84566

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7471RCP

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: ICSA 360-84306/14 Instrument ID: Varian ICP

Lab File ID: 120211d.csv ICS Source: ICSA wk_00033

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-0.256**	
Barium		**1.14**	
Cadmium		**-0.882**	
Chromium		**0.271**	
Lead		**-0.0126**	
Selenium		**-2.63**	
Silver		**-0.0874**	
Aluminum	*100000*	*116113*	*116*
Antimony		*-2.21*	
B		*4.20*	
Beryllium		*0.0168*	
Calcium	*100000*	*103426*	*103*
Cobalt		*-0.867*	
Copper		*0.612*	
Iron	*100000*	*116439*	*116*
Li		*1.55*	
Magnesium	*100000*	*108266*	*108*
Manganese		*-2.65*	
Mo		*0.917*	
Nickel		*-5.31*	
Potassium		*1236*	
Si		*0.404*	
Si		*3.00*	
Sn		*0.214*	
Sodium		*46.1*	
Sr		*-2.04*	
Thallium		*0.126*	
Ti		*0.196*	
Vanadium		*-2.58*	
Zinc		*0.760*	
Zr		*0.842*	

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.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: ICSAB 360-84306/15 Instrument ID: Varian ICP

Lab File ID: 120211d.csv ICS Source: ICSAB_00044

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Arsenic	**2000**	**1796**	**90**
Barium	**600**	**530**	**88**
Cadmium	**600**	**519**	**87**
Chromium	**600**	**529**	**88**
Lead	**2000**	**1717**	**86**
Selenium	**1000**	**892**	**89**
Silver	**600**	**549**	**92**
Aluminum	*100000*	*118860*	*119*
Antimony	*1000*	*978*	*98*
B		*2.30*	
Beryllium	*200*	*183*	*91*
Calcium	*100000*	*106206*	*106*
Cobalt	*600*	*521*	*87*
Copper	*600*	*555*	*93*
Iron	*100000*	*119436*	*119*
Li		*1.43*	
Magnesium	*100000*	*110047*	*110*
Manganese	*400*	*346*	*86*
Mo		*0.496*	
Nickel	*600*	*514*	*86*
Potassium	*40000*	*38850*	*97*
Si		*-25.4*	
Si		*-23.2*	
Sn		*3.68*	
Sodium		*-273*	
Sr		*-2.16*	
Thallium	*2000*	*1684*	*84*
Ti		*0.0557*	
Vanadium	*600*	*530*	*88*
Zinc	*600*	*518*	*86*
Zr		*3.25*	

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.: 360-37847-1

SDG No.: 360-37847

Lab Sample ID: ICSA 360-84306/62 Instrument ID: Varian ICP

Lab File ID: 120211d.csv ICS Source: ICSA wk_00033

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**0.689**	
Barium		**1.03**	
Cadmium		**-0.914**	
Chromium		**0.189**	
Lead		**-2.98**	
Selenium		**-3.53**	
Silver		**0.310**	
Aluminum	*100000*	*115085*	*115*
Antimony		*-1.51*	
B		*8.91*	
Beryllium		*0.0222*	
Calcium	*100000*	*103255*	*103*
Cobalt		*-1.15*	
Copper		*0.834*	
Iron	*100000*	*115833*	*116*
Li		*1.46*	
Magnesium	*100000*	*108262*	*108*
Manganese		*-2.59*	
Mo		*2.66*	
Nickel		*-5.20*	
Potassium		*1252*	
Si		*6.94*	
Si		*5.21*	
Sn		*-0.606*	
Sodium		*103*	
Sr		*-2.03*	
Thallium		*-0.462*	
Ti		*0.361*	
Vanadium		*-2.85*	
Zinc		*1.45*	
Zr		*1.64*	

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: BC-SO-SB308-1012 MS
Lab ID: 360-37847-2 MS
Lab Name: TestAmerica Westfield
Job No.: 360-37847-1
SDG No.: 360-37847
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 86.9

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	59.2		1.5		66.9	86	75-125		6010B
Barium	169		110		66.9	93	75-125		6010B
Cadmium	57.7		ND		66.9	86	75-125		6010B
Chromium	79.6		21		66.9	88	75-125		6010B
Lead	60.7		4.7		66.9	84	75-125		6010B
Selenium	52.5		ND		66.9	78	75-125		6010B
Silver	56.9		ND		66.9	85	75-125		6010B
Mercury	1.18		ND		1.25	94	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

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: BC-SO-SB308-1012 MSD
Lab ID: 360-37847-2 MSD
Lab Name: TestAmerica Westfield
Job No.: 360-37847-1
SDG No.: 360-37847
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 84.1

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	61.8		69.2	87	75-125	4	35		6010B
Barium	160		69.2	77	75-125	6	35		6010B
Cadmium	58.8		69.2	85	75-125	2	35		6010B
Chromium	93.6		69.2	106	75-125	16	35		6010B
Lead	61.2		69.2	82	75-125	1	35		6010B
Selenium	54.3		69.2	78	75-125	3	35		6010B
Silver	58.1		69.2	84	75-125	2	35		6010B
Mercury	1.19		1.19	100	75-125	1	35		7471A

SDR = Sample Duplicate 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 VD - IN

7D-IN
LCSD - CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCDSRM 360-84222/3-A

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

Sample Matrix: Solid LCS Source: MetQCSoil_00002

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	81.7		90.0	91	61-117	4	30		6010B
Barium	611		730	84	71.1-11	1	30		6010B
Cadmium	89.2		106	84	65.6-11	3	30		6010B
Chromium	245		272	90	68.0-12	1	30		6010B
Lead	215		267	80	64.8-11	0	30		6010B
Selenium	124		154	80	53.1-11	4	30		6010B
Silver	55.7		67.5	83	56.9-11	5	30		6010B

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 360-84222/2-A

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

Sample Matrix: Solid LCS Source: MetQCSoil_00002

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	90.0	78.6		87	61	117		6010B
Barium	730	604		83	71.1	119		6010B
Cadmium	106	86.8		82	65.6	113		6010B
Chromium	272	242		89	68.0	124		6010B
Lead	267	215		81	64.8	110		6010B
Selenium	154	119		77	53.1	110		6010B
Silver	67.5	53.1		79	56.9	113		6010B

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

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 360-84497/2-A

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

Sample Matrix: Solid LCS Source: MetQCSoil_00002

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	10.3	9.33		91	46.5	135		7471A

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

FORM VIIA - IN

7D-IN
LCSD - CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCDSRM 360-84497/3-A

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

Sample Matrix: Solid LCS Source: MetQCSoil_00002

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	8.63		10.3	84	46.5-13	8	30		7471A

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

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37847-1

SDG Number: 360-37847

Matrix: Solid Instrument ID: Varian ICP

Method: 6010B MDL Date: 10/01/2010 00:00

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (ug/Kg)
Arsenic	188.980	1	181
Barium	493.408	0.5	250
Cadmium	214.439	0.2	8.04
Chromium	267.716	0.5	250
Lead	220.353	0.5	56.3
Selenium	196.026	0.5	192
Silver	338.289	1	57.4

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37847-1

SDG Number: 360-37847

Matrix: Solid Instrument ID: Varian ICP

Method: 6010B XMDL Date: 10/22/2010 12:39

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	188.980	10	2.84
Barium	493.408	10	1.36
Cadmium	214.439	1	0.13
Chromium	267.716	5	0.65
Lead	220.353	5	1.36
Selenium	196.026	10	4
Silver	338.289	5	1.36

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37847-1

SDG Number: 360-37847

Matrix: Solid Instrument ID: Hg Analyzer

Method: 7471A MDL Date: 02/15/2011 13:07

Prep Method: 7471A

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury	253.7	0.1	0.024

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37847-1

SDG Number: 360-37847

Matrix: Solid Instrument ID: Hg Analyzer

Method: 7471A XMDL Date: 04/08/2011 13:55

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.154

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Westfield Job No: 360-37847-1

SDG No.: 360-37847

Instrument ID: Varian ICP Date: 08/19/2011 16:31

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		50000	6010B
Barium		12500	6010B
Cadmium		20000	6010B
Chromium		50000	6010B
Lead		100000	6010B
Selenium		50000	6010B
Silver		25000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-84222/1-A	12/02/2011 10:40	84222	2.00		100
LCSSRM 360-84222/2-A	12/02/2011 10:40	84222	1.00		100
LCDSRM 360-84222/3-A	12/02/2011 10:40	84222	1.00		100
360-37847-2	12/02/2011 10:40	84222	1.71		100
360-37847-2 MS	12/02/2011 10:40	84222	1.72		100
360-37847-2 MSD	12/02/2011 10:40	84222	1.72		100
360-37847-1	12/02/2011 10:40	84222	1.53		100
360-37847-3	12/02/2011 10:40	84222	1.63		100
360-37847-4	12/02/2011 10:40	84222	1.73		100
360-37847-5	12/02/2011 10:40	84222	1.78		100
360-37847-6	12/02/2011 10:40	84222	1.58		100
360-37847-8	12/02/2011 10:40	84222	1.95		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 360-84497/1-A	12/08/2011 10:14	84497	0.20		50
LCSSRM 360-84497/2-A	12/08/2011 10:14	84497	0.10		50
LCDSRM 360-84497/3-A	12/08/2011 10:14	84497	0.10		50
360-37847-2	12/08/2011 10:14	84497	0.24		50
360-37847-2 MS	12/08/2011 10:14	84497	0.23		50
360-37847-2 MSD	12/08/2011 10:14	84497	0.25		50
360-37847-1	12/08/2011 10:14	84497	0.28		50
360-37847-3	12/08/2011 10:14	84497	0.28		50
360-37847-4	12/08/2011 10:14	84497	0.23		50
360-37847-5	12/08/2011 10:14	84497	0.26		50
360-37847-6	12/08/2011 10:14	84497	0.27		50
360-37847-8	12/08/2011 10:14	84497	0.23		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Instrument ID: Varian ICP Method: 6010B

Start Date: 12/02/2011 11:12 End Date: 12/02/2011 19:22

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			11:12																				
ZZZZZZ			11:15																				
ZZZZZZ			11:18																				
ZZZZZZ			11:21																				
ZZZZZZ			11:24																				
ZZZZZZ			11:27																				
ZZZZZZ			11:30																				
ZZZZZZ			11:33																				
ZZZZZZ			11:36																				
ICV 360-84306/10	1		11:39	X	X	X	X	X	X	X													
ICB 360-84306/11	1		11:42	X	X	X	X	X	X	X													
CRI 360-84306/12	1		11:45	X	X	X	X	X	X	X													
CRI 360-84306/13	1		11:48		X	X	X	X	X	X													
ICSA 360-84306/14	1		11:51	X	X	X	X	X	X	X													
ICSAB 360-84306/15	1		11:54	X	X	X	X	X	X	X													
ZZZZZZ			11:57																				
CCV 360-84306/17	1		12:00	X	X	X	X	X	X	X													
CCB 360-84306/18	1		12:03	X	X	X	X	X	X	X													
ICV 360-84306/19			12:06																				
ICV 360-84306/20			12:09																				
ICB 360-84306/21			12:22																				
CRI 360-84306/22			12:25																				
CRI 360-84306/23			12:28																				
CCV 360-84306/24	1		16:57	X	X	X	X	X	X	X													
CCB 360-84306/25	1		17:00	X	X	X	X	X	X	X													
MB 360-84222/1-A	1	T	17:33	X	X	X	X	X	X	X													
CCV 360-84306/27	1		17:36	X	X	X	X	X	X	X													
CCB 360-84306/28	1		17:39	X	X	X	X	X	X	X													
LCDSRM 360-84222/3-A	1	T	17:42	X	X	X	X	X	X	X													
LCSSRM 360-84222/2-A	1	T	17:45	X	X	X	X	X	X	X													
360-37847-2	1	T	17:48	X	X	X	X	X	X	X													
360-37847-2 MS	1	T	17:51	X	X	X	X	X	X	X													
360-37847-2 MSD	1	T	17:54	X	X	X	X	X	X	X													
ZZZZZZ			17:57																				
ZZZZZZ			18:00																				
ZZZZZZ			18:03																				
ZZZZZZ			18:06																				
ZZZZZZ			18:09																				
CCV 360-84306/39	1		18:12	X	X	X	X	X	X	X													
CCB 360-84306/40	1		18:15	X	X	X	X	X	X	X													
ZZZZZZ			18:18																				
ZZZZZZ			18:21																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Instrument ID: Varian ICP Method: 6010B

Start Date: 12/02/2011 11:12 End Date: 12/02/2011 19:22

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			18:23																				
ZZZZZZ			18:26																				
ZZZZZZ			18:29																				
ZZZZZZ			18:32																				
ZZZZZZ			18:35																				
ZZZZZZ			18:38																				
360-37847-1	1	T	18:41	X	X	X	X	X	X	X													
360-37847-3	1	T	18:44	X	X	X	X	X	X	X													
CCV 360-84306/51	1		18:47	X	X	X	X	X	X	X													
CCB 360-84306/52	1		18:50	X	X	X	X	X	X	X													
360-37847-4	1	T	18:53	X	X	X	X	X	X	X													
ZZZZZZ			18:56																				
360-37847-5	50	T	18:59	X	X	X	X	X	X	X													
360-37847-6	1	T	19:02	X	X	X	X	X	X	X													
360-37847-8	1	T	19:05	X	X	X	X	X	X	X													
ZZZZZZ			19:08																				
ZZZZZZ			19:10																				
CCV 360-84306/60	1		19:13	X	X	X	X	X	X	X													
CCB 360-84306/61	1		19:16	X	X	X	X	X	X	X													
ICSA 360-84306/62	1		19:19	X	X	X	X	X	X	X													
ICSAB 360-84306/63			19:22																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Instrument ID: Hg Analyzer Method: 7471A

Start Date: 12/09/2011 11:10 End Date: 12/09/2011 12:45

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ICV 360-84566/13	1		11:40	X																			
ICB 360-84566/15	1		11:44	X																			
MB 360-84497/1-A	1	T	11:51	X																			
LCSSRM 360-84497/2-A	5	T	11:53	X																			
LCDSRM 360-84497/3-A	5	T	11:54	X																			
360-37847-2	1	T	11:56	X																			
360-37847-2 MS	1	T	11:58	X																			
360-37847-2 MSD	1	T	12:00	X																			
360-37847-1	1	T	12:03	X																			
360-37847-3	1	T	12:05	X																			
360-37847-4	1	T	12:07	X																			
CCV 360-84566/26	1		12:09	X																			
CCB 360-84566/27	1		12:10	X																			
360-37847-5	1	T	12:12	X																			
360-37847-6	1	T	12:14	X																			
360-37847-8	1	T	12:16	X																			
CCV 360-84566/38	1		12:31	X																			
CCB 360-84566/39	1		12:33	X																			

Prep Types

T = Total/NA

Method Parameters

Analysis Lines

Label	El	Wavelen.	Type	I/S	Bkg	Mode	PPP	OBCL	OBCR
Ag 338.289	Ag	338.289	Analyte	-		Fitted	2		
Al 237.312	Al	237.312	Analyte	-		Fitted	2		
As 188.980	As	188.980	Analyte	-		Fitted	2		
B 249.678	B	249.678	Analyte	-		Fitted	2		
Ba 493.408	Ba	493.408	Analyte	-		Fitted	2		
Be 313.042	Be	313.042	Analyte	-		Fitted	2		
Ca 373.690	Ca	373.690	Analyte	-		Fitted	2		
Cd 214.439	Cd	214.439	Analyte	-		Fitted	2		
Co 228.615	Co	228.615	Analyte	-		Fitted	2		
Cr 267.716	Cr	267.716	Analyte	-		Fitted	2		
Cu 327.395	Cu	327.395	Analyte	-		Fitted	2		
Fe 273.955	Fe	273.955	Analyte	-		Fitted	2		
K 404.721	K	404.721	Analyte	-		Fitted	2		
Li 610.365	Li	610.365	Analyte	-		Fitted	2		
Mg 279.078	Mg	279.078	Analyte	-		Fitted	2		
Mn 257.610	Mn	257.610	Analyte	-		Fitted	2		
Mo 202.032	Mo	202.032	Analyte	-		Fitted	2		
Na 330.237	Na	330.237	Analyte	-		Fitted	2		
Ni 216.555	Ni	216.555	Analyte	-		Fitted	2		
Pb 220.353	Pb	220.353	Analyte	-		Fitted	2		
Sb 217.582	Sb	217.582	Analyte	-		Fitted	2		
Se 196.026	Se	196.026	Analyte	-		Fitted	2		
Si 251.611	Si	251.611	Analyte	-		Fitted	2		
Si 288.158	Si	288.158	Analyte	-		Fitted	2		
Sn 189.925	Sn	189.925	Analyte	-		Fitted	2		
Sr 421.552	Sr	421.552	Analyte	-		Fitted	2		
Ti 336.122	Ti	336.122	Analyte	-		Fitted	2		
Tl 190.794	Tl	190.794	Analyte	-		Fitted	2		
V 292.401	V	292.401	Analyte	-		Fitted	2		
Zn 202.548	Zn	202.548	Analyte	-		Fitted	2		
Zr 339.198	Zr	339.198	Analyte	-		Fitted	2		

Conditions Sets (All lines share a single condition set)

Pwr(kW)	PlasFlow(L/min)	AuxFlow(L/min)	NebFlow(L/min)	Replicate Time(s)	Stab Time(s)
1.20	15.0	1.50	0.75	30.000	20

Sample Introduction

Sample Uptake(s)	Rinse Time(s)	Pump Rate(rpm)	Fast Pump
30	45	13	On

General Settings

Replicates
2

Calibration Settings

Calib. Mode	No. Standards	Corr Coeff Limit	Reslopes
Quantitative	6	0.998000	Off

Standard Concentration

El	Units	Standard 1	Standard 2	Standard 3	Standard 4
Ag	ug/L	1000.00000			
Al	ug/L	5000.00000	10000.00000	12500.00000	15000.00000
As	ug/L	1000.00000			
B	ug/L	1000.00000			
Ba	ug/L	1000.00000			
Be	ug/L	1000.00000			
Ca	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Cd	ug/L	1000.00000			
Co	ug/L	1000.00000			
Cr	ug/L	1000.00000			
Cu	ug/L	1000.00000			
Fe	ug/L	5000.00000	10000.00000	12500.00000	15000.00000
K	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Li	ug/L	5000.00000			
Mg	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Mn	ug/L	1000.00000			
Mo	ug/L	1000.00000			
Na	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Ni	ug/L	1000.00000			
Pb	ug/L	1000.00000			
Sb	ug/L	1000.00000			
Se	ug/L	1000.00000			
Si	ug/L	1000.00000			
Sn	ug/L	1000.00000			
Sr	ug/L	1000.00000			
Ti	ug/L	1000.00000			
Tl	ug/L	1000.00000			
V	ug/L	1000.00000			
Zn	ug/L	1000.00000			
Zr	ug/L	1000.00000			

El	Units	Standard 5	Standard 6
Ag	ug/L		
Al	ug/L	20000.00000	25000.00000
As	ug/L		
B	ug/L		
Ba	ug/L		
Be	ug/L		
Ca	ug/L	80000.00000	100000.00000
Cd	ug/L		
Co	ug/L		
Cr	ug/L		
Cu	ug/L		
Fe	ug/L	20000.00000	25000.00000
K	ug/L	80000.00000	100000.00000
Li	ug/L		
Mg	ug/L	80000.00000	100000.00000
Mn	ug/L		
Mo	ug/L		
Na	ug/L	80000.00000	100000.00000
Ni	ug/L		
Pb	ug/L		
Sb	ug/L		
Se	ug/L		
Si	ug/L		

El	Units	Standard 5	Standard 6
Sn	ug/L		
Sr	ug/L		
Ti	ug/L		
Tl	ug/L		
V	ug/L		
Zn	ug/L		
Zr	ug/L		

Calibration Parameters

Label	Thru. Blk	W/Fit	Curve Type	Max Error	Min Conc	Max Conc	E/Curve %	U/Curve %
Ag 338.289	Off	On	Linear	20.0	0.00000	25000.00000	25	400
Al 237.312	Off	On	Quadratic	20.0	0.00000	600000.00000	25	400
As 188.980	Off	On	Linear	20.0	0.00000	50000.00000	25	400
B 249.678	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Ba 493.408	Off	On	Linear	20.0	0.00000	12500.00000	25	400
Be 313.042	Off	On	Linear	20.0	0.00000	10000.00000	25	400
Ca 373.690	Off	On	Quadratic	20.0	0.00000	500000.00000	25	400
Cd 214.439	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Co 228.615	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Cr 267.716	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Cu 327.395	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Fe 273.955	Off	On	Quadratic	20.0	0.00000	750000.00000	25	400
K 404.721	Off	Off	Quadratic	20.0	0.00000	400000.00000	25	400
Li 610.365	Off	On	Linear	20.0	0.00000	100000.00000	25	400
Mg 279.078	Off	On	Quadratic	20.0	0.00000	300000.00000	25	400
Mn 257.610	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Mo 202.032	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Na 330.237	Off	On	Linear	20.0	0.00000	400000.00000	25	400
Ni 216.555	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Pb 220.353	Off	On	Linear	20.0	0.00000	100000.00000	25	400
Sb 217.582	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Se 196.026	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Si 251.611	Off	Off	Linear	20.0	0.00000	25000.00000	25	400
Si 288.158	Off	On	Linear	20.0	0.00000	25000.00000	25	400
Sn 189.925	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Sr 421.552	Off	On	Linear	20.0	0.00000	10000.00000	25	400
Ti 336.122	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Tl 190.794	Off	On	Linear	20.0	0.00000	75000.00000	25	400
V 292.401	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Zn 202.548	Off	On	Linear	20.0	0.00000	25000.00000	25	400
Zr 339.198	Off	On	Linear	20.0	0.00000	20000.00000	25	400

Detection Limits

El	Units	MDL	CRDL
Ag	ug/L	0.00000	5.00000
Al	ug/L	0.00000	100.00000
As	ug/L	0.00000	10.00000
B	ug/L	0.00000	50.00000
Ba	ug/L	0.00000	10.00000
Be	ug/L	0.00000	1.00000
Ca	ug/L	0.00000	400.00000
Cd	ug/L	0.00000	1.00000
Co	ug/L	0.00000	10.00000
Cr	ug/L	0.00000	5.00000

El	Units	MDL	CRDL
Cu	ug/L	0.00000	10.00000
Fe	ug/L	0.00000	100.00000
K	ug/L	0.00000	4000.00000
Li	ug/L	0.00000	100.00000
Mg	ug/L	0.00000	400.00000
Mn	ug/L	0.00000	10.00000
Mo	ug/L	0.00000	40.00000
Na	ug/L	0.00000	2000.00000
Ni	ug/L	0.00000	10.00000
Pb	ug/L	0.00000	5.00000
Sb	ug/L	0.00000	6.00000
Se	ug/L	0.00000	10.00000
Si	ug/L	0.00000	75.00000
Sn	ug/L	0.00000	50.00000
Sr	ug/L	0.00000	20.00000
Ti	ug/L	0.00000	10.00000
Tl	ug/L	0.00000	10.00000
V	ug/L	0.00000	10.00000
Zn	ug/L	0.00000	50.00000
Zr	ug/L	0.00000	10.00000

QCP Tests

QC Test Name	Failure Flag	Count As Sample	Subtract PBlk	No. Solutions
Cont Calib Verif	Q	Off	Off	1
Initial Calib Verif	Q	Off	Off	2
CRI	R	Off	Off	2
Lab Control Sample	L	On	Off	2
Interf Check A	K	Off	Off	1
Interf Check AB	G	Off	Off	1
Cont Calib Blank	Z	Off	Off	1
Initial Calib Blank	Z	Off	Off	1
Duplicate	*	On	Off	1
Matrix Spike	N	On	Off	1
Matrix Spike Dup	M	On	Off	1
Prep Blank	Z	Off	Off	1

Cont Calib Verif

Report Equation: (MeasuredConc / CCVDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(CCV)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	90.0	110.0
Al	ug/L	5000.00000	90.0	110.0
As	ug/L	1000.00000	90.0	110.0
B	ug/L	1000.00000	90.0	110.0
Ba	ug/L	1000.00000	90.0	110.0
Be	ug/L	1000.00000	90.0	110.0
Ca	ug/L	20000.00000	90.0	110.0
Cd	ug/L	1000.00000	90.0	110.0
Co	ug/L	1000.00000	90.0	110.0
Cr	ug/L	1000.00000	90.0	110.0
Cu	ug/L	1000.00000	90.0	110.0
Fe	ug/L	5000.00000	90.0	110.0
K	ug/L	20000.00000	90.0	110.0

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Li	ug/L	5000.00000	90.0	110.0
Mg	ug/L	20000.00000	90.0	110.0
Mn	ug/L	1000.00000	90.0	110.0
Mo	ug/L	1000.00000	90.0	110.0
Na	ug/L	20000.00000	90.0	110.0
Ni	ug/L	1000.00000	90.0	110.0
Pb	ug/L	1000.00000	90.0	110.0
Sb	ug/L	1000.00000	90.0	110.0
Se	ug/L	1000.00000	90.0	110.0
Si	ug/L	1000.00000	90.0	110.0
Sn	ug/L	1000.00000	90.0	110.0
Sr	ug/L	1000.00000	90.0	110.0
Ti	ug/L	1000.00000	90.0	110.0
Tl	ug/L	1000.00000	90.0	110.0
V	ug/L	1000.00000	90.0	110.0
Zn	ug/L	1000.00000	90.0	110.0
Zr	ug/L	1000.00000	90.0	110.0

Initial Calib Verif

Report Equation: (MeasuredConc / ICVDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(ICV)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	90.0	110.0
Al	ug/L	1000.00000	90.0	110.0
As	ug/L	1000.00000	90.0	110.0
B	ug/L	1000.00000	90.0	110.0
Ba	ug/L	1000.00000	90.0	110.0
Be	ug/L	1000.00000	90.0	110.0
Ca	ug/L	10000.00000	90.0	110.0
Cd	ug/L	1000.00000	90.0	110.0
Co	ug/L	1000.00000	90.0	110.0
Cr	ug/L	1000.00000	90.0	110.0
Cu	ug/L	1000.00000	90.0	110.0
Fe	ug/L	1000.00000	90.0	110.0
K	ug/L	10000.00000	90.0	110.0
Li	ug/L	10000.00000	90.0	110.0
Mg	ug/L	10000.00000	90.0	110.0
Mn	ug/L	1000.00000	90.0	110.0
Mo	ug/L	1000.00000	90.0	110.0
Na	ug/L	10000.00000	90.0	110.0
Ni	ug/L	1000.00000	90.0	110.0
Pb	ug/L	1000.00000	90.0	110.0
Sb	ug/L	1000.00000	90.0	110.0
Se	ug/L	1000.00000	90.0	110.0
Si	ug/L	500.00000	90.0	110.0
Sn	ug/L	1000.00000	90.0	110.0
Sr	ug/L	1000.00000	90.0	110.0
Ti	ug/L	1000.00000	90.0	110.0
Tl	ug/L	1000.00000	90.0	110.0
V	ug/L	1000.00000	90.0	110.0
Zn	ug/L	1000.00000	90.0	110.0
Zr	ug/L	1000.00000	90.0	110.0

(IPC)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	95.0	105.0
Al	ug/L	5000.00000	95.0	105.0
As	ug/L	1000.00000	95.0	105.0
B	ug/L	1000.00000	95.0	105.0
Ba	ug/L	1000.00000	95.0	105.0
Be	ug/L	1000.00000	95.0	105.0
Ca	ug/L	20000.00000	95.0	105.0
Cd	ug/L	1000.00000	95.0	105.0
Co	ug/L	1000.00000	95.0	105.0
Cr	ug/L	1000.00000	95.0	105.0
Cu	ug/L	1000.00000	95.0	105.0
Fe	ug/L	5000.00000	95.0	105.0
K	ug/L	20000.00000	95.0	105.0
Li	ug/L	5000.00000	95.0	105.0
Mg	ug/L	20000.00000	95.0	105.0
Mn	ug/L	1000.00000	95.0	105.0
Mo	ug/L	1000.00000	95.0	105.0
Na	ug/L	20000.00000	95.0	105.0
Ni	ug/L	1000.00000	95.0	105.0
Pb	ug/L	1000.00000	95.0	105.0
Sb	ug/L	1000.00000	95.0	105.0
Se	ug/L	1000.00000	95.0	105.0
Si	ug/L	1000.00000	95.0	105.0
Sn	ug/L	1000.00000	95.0	105.0
Sr	ug/L	1000.00000	95.0	105.0
Ti	ug/L	1000.00000	95.0	105.0
Tl	ug/L	1000.00000	95.0	105.0
V	ug/L	1000.00000	95.0	105.0
Zn	ug/L	1000.00000	95.0	105.0
Zr	ug/L	1000.00000	95.0	105.0

CRI

Report Equation: (MeasuredConc/CRIDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(CRI-RL)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	5.00000	70.0	130.0
Al	ug/L	100.00000	70.0	130.0
As	ug/L	10.00000	70.0	130.0
B	ug/L	10.00000	70.0	130.0
Ba	ug/L	10.00000	70.0	130.0
Be	ug/L	1.00000	70.0	130.0
Ca	ug/L	400.00000	70.0	130.0
Cd	ug/L	1.00000	70.0	130.0
Co	ug/L	10.00000	70.0	130.0
Cr	ug/L	5.00000	70.0	130.0
Cu	ug/L	10.00000	70.0	130.0
Fe	ug/L	100.00000	70.0	130.0
K	ug/L	4000.00000	70.0	130.0
Li	ug/L	100.00000	70.0	130.0
Mg	ug/L	400.00000	70.0	130.0
Mn	ug/L	10.00000	70.0	130.0
Mo	ug/L	10.00000	70.0	130.0

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Na	ug/L	2000.00000	70.0	130.0
Ni	ug/L	10.00000	70.0	130.0
Pb	ug/L	5.00000	70.0	130.0
Sb	ug/L	10.00000	70.0	130.0
Se	ug/L	10.00000	70.0	130.0
Si	ug/L	100.00000	70.0	130.0
Sn	ug/L	50.00000	70.0	130.0
Sr	ug/L	20.00000	70.0	130.0
Ti	ug/L	10.00000	70.0	130.0
Tl	ug/L	10.00000	70.0	130.0
V	ug/L	10.00000	70.0	130.0
Zn	ug/L	50.00000	70.0	130.0
Zr	ug/L	10.00000	70.0	130.0

(CRI-MCP)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	7.00000	70.0	130.0
As	ug/L	50.00000	70.0	130.0
Ba	ug/L	2000.00000	70.0	130.0
Be	ug/L	4.00000	70.0	130.0
Cd	ug/L	5.00000	70.0	130.0
Cr	ug/L	100.00000	70.0	130.0
Ni	ug/L	100.00000	70.0	130.0
Pb	ug/L	15.00000	70.0	130.0
Sb	ug/L	6.00000	70.0	130.0
Se	ug/L	50.00000	70.0	130.0
Tl	ug/L	2.00000	70.0	130.0
V	ug/L	50.00000	70.0	130.0
Zn	ug/L	900.00000	70.0	130.0

Lab Control Sample

Report Equation: (MeasuredConc / LCSDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(LCS)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	85.0	115.0
Al	ug/L	5000.00000	85.0	115.0
As	ug/L	1000.00000	85.0	115.0
B	ug/L	1000.00000	85.0	115.0
Ba	ug/L	1000.00000	85.0	115.0
Be	ug/L	1000.00000	85.0	115.0
Ca	ug/L	20000.00000	85.0	115.0
Cd	ug/L	1000.00000	85.0	115.0
Co	ug/L	1000.00000	85.0	115.0
Cr	ug/L	1000.00000	85.0	115.0
Cu	ug/L	1000.00000	85.0	115.0
Fe	ug/L	5000.00000	85.0	115.0
K	ug/L	20000.00000	85.0	115.0
Li	ug/L	5000.00000	85.0	115.0
Mg	ug/L	20000.00000	85.0	115.0
Mn	ug/L	1000.00000	85.0	115.0
Mo	ug/L	1000.00000	85.0	115.0
Na	ug/L	20000.00000	85.0	115.0
Ni	ug/L	1000.00000	85.0	115.0

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Pb	ug/L	1000.00000	85.0	115.0
Sb	ug/L	1000.00000	85.0	115.0
Se	ug/L	1000.00000	85.0	115.0
Si	ug/L	1000.00000	85.0	115.0
Sn	ug/L	1000.00000	85.0	115.0
Sr	ug/L	1000.00000	85.0	115.0
Ti	ug/L	1000.00000	85.0	115.0
Tl	ug/L	1000.00000	85.0	115.0
V	ug/L	1000.00000	85.0	115.0
Zn	ug/L	1000.00000	85.0	115.0
Zr	ug/L	1000.00000	85.0	115.0

(LCSD)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	85.0	115.0
Al	ug/L	5000.00000	85.0	115.0
As	ug/L	1000.00000	85.0	115.0
B	ug/L	1000.00000	85.0	115.0
Ba	ug/L	1000.00000	85.0	115.0
Be	ug/L	1000.00000	85.0	115.0
Ca	ug/L	20000.00000	85.0	115.0
Cd	ug/L	1000.00000	85.0	115.0
Co	ug/L	1000.00000	85.0	115.0
Cr	ug/L	1000.00000	85.0	115.0
Cu	ug/L	1000.00000	85.0	115.0
Fe	ug/L	5000.00000	85.0	115.0
K	ug/L	20000.00000	85.0	115.0
Li	ug/L	5000.00000	85.0	115.0
Mg	ug/L	20000.00000	85.0	115.0
Mn	ug/L	1000.00000	85.0	115.0
Mo	ug/L	1000.00000	85.0	115.0
Na	ug/L	20000.00000	85.0	115.0
Ni	ug/L	1000.00000	85.0	115.0
Pb	ug/L	1000.00000	85.0	115.0
Sb	ug/L	1000.00000	85.0	115.0
Se	ug/L	1000.00000	85.0	115.0
Si	ug/L	1000.00000	85.0	115.0
Sn	ug/L	1000.00000	85.0	115.0
Sr	ug/L	1000.00000	85.0	115.0
Ti	ug/L	1000.00000	85.0	115.0
Tl	ug/L	1000.00000	85.0	115.0
V	ug/L	1000.00000	85.0	115.0
Zn	ug/L	1000.00000	85.0	115.0
Zr	ug/L	1000.00000	85.0	115.0

Interf Check A

Report Equation: MeasuredConc

Pass Test Equation: ABS(ReportValue) < CRDL

(ICSA)

El
Ag
Al
As
B

El
Ba
Be
Ca
Cd
Co
Cr
Cu
Fe
K
Li
Mg
Mn
Mo
Na
Ni
Pb
Sb
Se
Si
Sn
Sr
Ti
Tl
V
Zn
Zr

Interf Check AB
Report Equation: (MeasuredConc / ICSABDefined) * 100
Pass Test Equation: ((ReportValue >= LowLimit) AND (ReportValue <= HighLimit)) OR (MDL > CRDL)
(ICSAB)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	600.00000	80.0	120.0
Al	ug/L	100000.00000	80.0	120.0
As	ug/L	2000.00000	80.0	120.0
Ba	ug/L	600.00000	80.0	120.0
Be	ug/L	200.00000	80.0	120.0
Ca	ug/L	100000.00000	80.0	120.0
Cd	ug/L	600.00000	80.0	120.0
Co	ug/L	600.00000	80.0	120.0
Cr	ug/L	600.00000	80.0	120.0
Cu	ug/L	600.00000	80.0	120.0
Fe	ug/L	100000.00000	80.0	120.0
K	ug/L	40000.00000	80.0	120.0
Mg	ug/L	100000.00000	80.0	120.0
Mn	ug/L	400.00000	80.0	120.0
Ni	ug/L	600.00000	80.0	120.0
Pb	ug/L	2000.00000	80.0	120.0
Sb	ug/L	1000.00000	80.0	120.0
Se	ug/L	1000.00000	80.0	120.0
Tl	ug/L	2000.00000	80.0	120.0
V	ug/L	600.00000	80.0	120.0
Zn	ug/L	600.00000	80.0	120.0

Cont Calib Blank
Report Equation: MeasuredConc
Pass Test Equation: ABS(ReportValue) <= CRDL
(CCB)

El
Ag
Al
As
B
Ba
Be
Ca
Cd
Co
Cr
Cu
Fe
K
Li
Mg
Mn
Mo
Na
Ni
Pb
Sb
Se
Si
Sn
Sr
Ti
Tl
V
Zn
Zr

Initial Calib Blank
Report Equation: MeasuredConc
Pass Test Equation: ABS(ReportValue) <= CRDL
(ICB)

El
Ag
Al
As
B
Ba
Be
Ca
Cd
Co
Cr
Cu
Fe
K

El
Li
Mg
Mn
Mo
Na
Ni
Pb
Sb
Se
Si
Sn
Sr
Ti
Tl
V
Zn
Zr

Duplicate
Report Equation: 100 * ABS(PrevSampleConc - MeasuredConc) / ((PrevSampleConc + MeasuredConc)/2)
Pass Test Equation: (ReportValue <= Difference)
(Duplicate)

El	Units	Difference(%)
Ag	ug/L	20
Al	ug/L	20
As	ug/L	20
B	ug/L	20
Ba	ug/L	20
Be	ug/L	20
Ca	ug/L	20
Cd	ug/L	20
Co	ug/L	20
Cr	ug/L	20
Cu	ug/L	20
Fe	ug/L	20
K	ug/L	20
Li	ug/L	20
Mg	ug/L	20
Mn	ug/L	20
Mo	ug/L	20
Na	ug/L	20
Ni	ug/L	20
Pb	ug/L	20
Sb	ug/L	20
Se	ug/L	20
Si	ug/L	20
Sn	ug/L	20
Sr	ug/L	20
Ti	ug/L	20
Tl	ug/L	20
V	ug/L	20
Zn	ug/L	20
Zr	ug/L	20

Matrix Spike
Report Equation: 100 * (MeasuredConc - PrevSampleConc) / MSPKDefined
Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)
(Matrix Spike)

El	Units	Spike Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	75.0	125.0
Al	ug/L	5000.00000	75.0	125.0
As	ug/L	1000.00000	75.0	125.0
B	ug/L	1000.00000	75.0	125.0
Ba	ug/L	1000.00000	75.0	125.0
Be	ug/L	1000.00000	75.0	125.0
Ca	ug/L	20000.00000	75.0	125.0
Cd	ug/L	1000.00000	75.0	125.0
Co	ug/L	1000.00000	75.0	125.0
Cr	ug/L	1000.00000	75.0	125.0
Cu	ug/L	1000.00000	75.0	125.0
Fe	ug/L	5000.00000	75.0	125.0
K	ug/L	20000.00000	75.0	125.0
Li	ug/L	5000.00000	75.0	125.0
Mg	ug/L	20000.00000	75.0	125.0
Mn	ug/L	1000.00000	75.0	125.0
Mo	ug/L	1000.00000	75.0	125.0
Na	ug/L	20000.00000	75.0	125.0
Ni	ug/L	1000.00000	75.0	125.0
Pb	ug/L	1000.00000	75.0	125.0
Sb	ug/L	1000.00000	75.0	125.0
Se	ug/L	1000.00000	75.0	125.0
Si	ug/L	1000.00000	75.0	125.0
Sn	ug/L	1000.00000	75.0	125.0
Sr	ug/L	1000.00000	75.0	125.0
Ti	ug/L	1000.00000	75.0	125.0
Tl	ug/L	1000.00000	75.0	125.0
V	ug/L	1000.00000	75.0	125.0
Zn	ug/L	1000.00000	75.0	125.0
Zr	ug/L	1000.00000	75.0	125.0

Matrix Spike Dup
Report Equation: 100 * (MeasuredConc - PrevSampleConc) / MSDDefined and 100 * ABS(PrevSolutionConc - MeasuredConc) / ((PrevSolutionConc + MeasuredConc)/2)
Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit) and (ReportValue <= Difference)
(Matrix Spike Dup)

El	Units	Spike Conc	Low Limit(%)	High Limit(%)	Difference(%)
Ag	ug/L	1000.00000	75.0	125.0	20
Al	ug/L	5000.00000	75.0	125.0	20
As	ug/L	1000.00000	75.0	125.0	20
B	ug/L	1000.00000	75.0	125.0	20
Ba	ug/L	1000.00000	75.0	125.0	20
Be	ug/L	1000.00000	75.0	125.0	20
Ca	ug/L	20000.00000	75.0	125.0	20
Cd	ug/L	1000.00000	75.0	125.0	20
Co	ug/L	1000.00000	75.0	125.0	20
Cr	ug/L	1000.00000	75.0	125.0	20
Cu	ug/L	1000.00000	75.0	125.0	20
Fe	ug/L	5000.00000	75.0	125.0	20

El	Units	Spike Conc	Low Limit(%)	High Limit(%)	Difference(%)
K	ug/L	20000.00000	75.0	125.0	20
Li	ug/L	5000.00000	75.0	125.0	20
Mg	ug/L	20000.00000	75.0	125.0	20
Mn	ug/L	1000.00000	75.0	125.0	20
Mo	ug/L	1000.00000	75.0	125.0	20
Na	ug/L	20000.00000	75.0	125.0	20
Ni	ug/L	1000.00000	75.0	125.0	20
Pb	ug/L	1000.00000	75.0	125.0	20
Sb	ug/L	1000.00000	75.0	125.0	20
Se	ug/L	1000.00000	75.0	125.0	20
Si	ug/L	1000.00000	75.0	125.0	20
Sn	ug/L	1000.00000	75.0	125.0	20
Sr	ug/L	1000.00000	75.0	125.0	20
Ti	ug/L	1000.00000	75.0	125.0	20
Tl	ug/L	1000.00000	75.0	125.0	20
V	ug/L	1000.00000	75.0	125.0	20
Zn	ug/L	1000.00000	75.0	125.0	20
Zr	ug/L	1000.00000	75.0	125.0	20

Prep Blank
Report Equation: MeasuredConc
Pass Test Equation: ABS(ReportValue) <= CRDL
(RB)

El

IEC Factor Matrix

Analyte	As 188.980	Co 228.615	Cu 327.395	Ni 216.555
Ca 373.690	0.000000	0.000000	0.000000	0.000000
Ba 493.408	0.000000	0.000000	0.000000	0.000000
Be 313.042	0.000001	-0.000000	-0.000000	0.000000
Li 610.365	0.000000	0.000000	0.000000	0.000000
Mg 279.078	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Se 196.026	0.000000	0.000000	0.000000	0.000000
Na 330.237	0.000000	0.000000	0.000000	0.000000
Sr 421.552	0.000000	0.000000	0.000000	0.000000
B 249.678	0.000000	0.001516	0.000000	0.000000
Si 251.611	0.000000	0.000000	0.000000	0.000000
Ti 336.122	0.000000	0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000000	0.000000	0.000000
Cr 267.716	0.000000	0.000000	0.000000	-0.000000
Co 228.615	0.000000		0.000000	0.000112
Pb 220.353	0.000000	0.000000	0.000000	0.000000
Mn 257.610	0.000000	0.000000	0.000000	0.000000
Ni 216.555	0.003743	0.000000	0.000000	
Tl 190.794	0.000000	0.002522	0.000000	0.000000
Zn 202.548	0.000000	0.000000	0.007636	0.000000
Ag 338.289	0.000000	0.000000	0.000000	0.000254
Al 237.312	0.000000	0.001020	0.000000	0.000000
Cu 327.395	0.000000	0.000287		0.000000
Si 288.158	0.000000	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000	-0.000000	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
As 188.980		0.000000	0.000000	0.000000

Analyte	As 188.980	Co 228.615	Cu 327.395	Ni 216.555
V 292.401	0.000000	0.000001	0.000000	0.000000
Cd 214.439	0.000000	-0.000000	0.000000	0.000000
Sb 217.582	0.000000	0.000000	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000
Analyte	**V 292.401**	**Cd 214.439**	**Cr 267.716**	**Mn 257.610**
Ca 373.690	0.000000	0.000000	0.000000	0.000000
Ba 493.408	0.000000	-0.000000	-0.000000	0.000000
Be 313.042	0.000097	0.000000	-0.000000	0.000000
Li 610.365	0.000000	0.000000	0.000000	0.000000
Mg 279.078	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Se 196.026	0.000000	0.000000	0.000000	0.000778
Na 330.237	0.000000	0.000000	0.000000	0.000000
Sr 421.552	0.000000	-0.000000	0.000000	0.000000
B 249.678	0.000000	0.000000	0.000431	0.000000
Si 251.611	0.000000	0.000000	0.000000	0.000000
Ti 336.122	0.000000	0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000000	0.000000	0.000000
Cr 267.716	0.000000	0.000000		0.000000
Co 228.615	0.000000	0.000000	0.000000	0.000000
Pb 220.353	0.000000	0.000000	0.000000	0.000000
Mn 257.610	0.000000	0.000000	0.000000	
Ni 216.555	0.000000	0.000000	0.000000	0.000000
Tl 190.794	0.001320	0.000000	0.000232	0.000000
Zn 202.548	0.000000	0.000000	0.000000	0.000000
Ag 338.289	-0.000218	0.000000	0.019322	0.000000
Al 237.312	0.000084	0.000000	0.000000	0.000000
Cu 327.395	0.000000	0.000000	0.000000	0.000000
Si 288.158	0.000000	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000	0.000952	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
As 188.980	0.000000	0.000000	0.000270	0.000000
V 292.401		0.000000	0.000000	0.000000
Cd 214.439	0.000000		0.000000	0.000000
Sb 217.582	0.000000	0.000895	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000
Analyte	**Be 313.042**	**Sb 217.582**	**Si 251.611**	**Ti 336.122**
Ca 373.690	0.000000	0.000000	0.000000	0.000000
Ba 493.408	0.000000	0.000000	0.000000	-0.000000
Be 313.042		0.000000	0.000000	0.000000
Li 610.365	0.000000	-0.000000	0.000000	0.000006
Mg 279.078	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Se 196.026	0.000000	0.000000	0.000001	0.000000
Na 330.237	0.000000	0.000000	0.000000	0.000000
Sr 421.552	-0.000000	-0.000000	0.000000	0.000000
B 249.678	0.000000	0.000000	0.001157	0.000000
Si 251.611	0.000000	0.019093		0.032562
Ti 336.122	0.000000	0.000000	0.000000	
Zr 339.198	0.000000	0.000000	0.000000	0.000000
Cr 267.716	0.000000	0.000000	0.000000	0.000000
Co 228.615	0.000000	0.000000	0.000000	0.001848
Pb 220.353	0.000000	0.000000	0.000000	0.000000
Mn 257.610	0.000000	0.000001	0.000000	0.000000

Analyte	Be 313.042	Sb 217.582	Si 251.611	Ti 336.122
Ni 216.555	0.000000	0.000000	0.000000	0.000000
Tl 190.794	0.000000	0.000000	0.000000	0.000000
Zn 202.548	0.000000	0.000000	0.000000	-0.000000
Ag 338.289	0.000000	0.000000	0.000000	0.000000
Al 237.312	0.000000	0.000000	0.000000	0.000000
Cu 327.395	0.000000	0.000000	0.000000	0.000000
Si 288.158	0.000000	0.020256		0.000000
Fe 273.955	0.000000	-0.000000	0.000000	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
As 188.980	0.000000	0.000000	0.000000	0.000000
V 292.401	0.000000	0.000000	0.000000	0.000626
Cd 214.439	0.000000	0.000000	-0.000000	0.000000
Sb 217.582	0.000000		0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000

Analyte	Zn 202.548	Ca 373.690	Fe 273.955	Mg 279.078
Ca 373.690	0.000000		0.011925	0.000000
Ba 493.408	0.000000	0.000000	0.000000	0.000000
Be 313.042	0.000000	0.000000	0.000000	0.000000
Li 610.365	0.000000	0.000000	0.000000	0.000000
Mg 279.078	0.000000	0.000000	0.000120	
K 404.721	0.000000	0.000000	0.001838	0.000000
Se 196.026	0.000000	0.000000	-0.000008	0.000000
Na 330.237	-0.081530	0.000000	0.000000	0.000000
Sr 421.552	0.000000	0.000020	0.000000	0.000000
B 249.678	0.000000	0.000000	0.000000	0.000000
Si 251.611	0.000000	0.000000	0.000000	0.000000
Ti 336.122	0.000000	0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000000	0.000000	-0.000000
Cr 267.716	0.000000	0.000000	0.000000	0.000000
Co 228.615	0.000000	0.000000	0.000032	0.000000
Pb 220.353	0.000000	0.000000	-0.000005	0.000000
Mn 257.610	0.000000	0.000000	0.000000	0.000029
Ni 216.555	0.000000	0.000000	0.000099	0.000000
Tl 190.794	0.000000	0.000002	0.000000	0.000000
Zn 202.548		0.000000	0.000019	0.000000
Ag 338.289	0.000000	0.000000	0.000001	0.000000
Al 237.312	0.000000	0.000000	0.000000	0.000000
Cu 327.395	0.000000	0.000000	0.000000	0.000000
Si 288.158	0.000000	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000		0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000004
As 188.980	0.000000	0.000000	0.000000	0.000000
V 292.401	0.000000	0.000019	0.000009	0.000000
Cd 214.439	0.000000	0.000000	0.000017	0.000000
Sb 217.582	0.000000	0.000000	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000

Analyte	Ba 493.408
Ca 373.690	0.000000
Ba 493.408	
Be 313.042	0.000000
Li 610.365	0.000000
Mg 279.078	0.000000
K 404.721	0.061139
Se 196.026	0.000000

Analyte	Ba 493.408
Na 330.237	0.000000
Sr 421.552	0.000000
B 249.678	0.000000
Si 251.611	0.000000
Ti 336.122	0.000000
Zr 339.198	0.000000
Cr 267.716	0.000000
Co 228.615	0.000000
Pb 220.353	0.000000
Mn 257.610	0.000000
Ni 216.555	0.000000
Tl 190.794	0.000000
Zn 202.548	0.000000
Ag 338.289	0.000000
Al 237.312	0.000000
Cu 327.395	0.000000
Si 288.158	0.000000
Fe 273.955	0.000000
Sn 189.925	0.000000
As 188.980	0.000000
V 292.401	0.000000
Cd 214.439	-0.000001
Sb 217.582	0.000000
Mo 202.032	0.000000

e - Locked factor.

i - Factor not calculated due to Interferent error.

a - Factor not calculated due to Analyte error.

Units

Unit Name	Multiplier	Divider
ppb	1	1E9
ug/L	1	1E9

Columns

Column
Ag 338.289
Al 237.312
As 188.980
B 249.678
Ba 493.408
Be 313.042
Ca 373.690
Cd 214.439
Co 228.615
Cr 267.716
Cu 327.395
Fe 273.955
K 404.721
Li 610.365
Mg 279.078
Mn 257.610

Column
Mo 202.032
Na 330.237
Ni 216.555
Pb 220.353
Sb 217.582
Se 196.026
Si 251.611
Si 288.158
Sn 189.925
Sr 421.552
Ti 336.122
Tl 190.794
V 292.401
Zn 202.548
Zr 339.198

Display Column Flags

Column	o	QC	S	e	uncal	I	n	a	u	v	x	b	p	m	d
Ag 338.289	x	x	x	x	x	x	x	x	x	x	x	x	x		
Al 237.312	x	x	x	x	x	x	x	x	x	x	x	x	x		
As 188.980	x	x	x	x	x	x	x	x	x	x	x	x	x		
B 249.678	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ba 493.408	x	x	x	x	x	x	x	x	x	x	x	x	x		
Be 313.042	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ca 373.690	x	x	x	x	x	x	x	x	x	x	x	x	x		
Cd 214.439	x	x	x	x	x	x	x	x	x	x	x	x	x		
Co 228.615	x	x	x	x	x	x	x	x	x	x	x	x	x		
Cr 267.716	x	x	x	x	x	x	x	x	x	x	x	x	x		
Cu 327.395	x	x	x	x	x	x	x	x	x	x	x	x	x		
Fe 273.955	x	x	x	x	x	x	x	x	x	x	x	x	x		
K 404.721	x	x	x	x	x	x	x	x	x	x	x	x	x		
Li 610.365	x	x	x	x	x	x	x	x	x	x	x	x	x		
Mg 279.078	x	x	x	x	x	x	x	x	x	x	x	x	x		
Mn 257.610	x	x	x	x	x	x	x	x	x	x	x	x	x		
Mo 202.032	x	x	x	x	x	x	x	x	x	x	x	x	x		
Na 330.237	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ni 216.555	x	x	x	x	x	x	x	x	x	x	x	x	x		
Pb 220.353	x	x	x	x	x	x	x	x	x	x	x	x	x		
Sb 217.582	x	x	x	x	x	x	x	x	x	x	x	x	x		
Se 196.026	x	x	x	x	x	x	x	x	x	x	x	x	x		
Si 251.611	x	x	x	x	x	x	x	x	x	x	x	x	x		
Si 288.158	x	x	x	x	x	x	x	x	x	x	x	x	x		
Sn 189.925	x	x	x	x	x	x	x	x	x	x	x	x	x		
Sr 421.552	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ti 336.122	x	x	x	x	x	x	x	x	x	x	x	x	x		
Tl 190.794	x	x	x	x	x	x	x	x	x	x	x	x	x		
V 292.401	x	x	x	x	x	x	x	x	x	x	x	x	x		
Zn 202.548	x	x	x	x	x	x	x	x	x	x	x	x	x		
Zr 339.198	x	x	x	x	x	x	x	x	x	x	x	x	x		

Blank (Blk) **12/2/2011, 11:12:51 AM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	3.170	171.3	-1.85034
Al 237.312	0.000000	ug/L	5.632	37.4	15.0768
As 188.980	0.000000	ug/L	1.905	46.6	4.08736
B 249.678	0.000000	ug/L	13.355	12.8	104.580
Ba 493.408	0.000000	ug/L	29.919	13.2	227.266
Be 313.042	0.000000	ug/L	4.763	3.4	141.239
Ca 373.690	0.000000	ug/L	4.743	7.7	61.2437
Cd 214.439	0.000000	ug/L	2.598	37.0	7.01932
Co 228.615	0.000000	ug/L	1.588	5.5	28.7709
Cr 267.716	0.000000	ug/L	5.259	7.3	71.7166
Cu 327.395	0.000000	ug/L	6.124	3.1	196.743
Fe 273.955	0.000000	ug/L	10.657	17.9	59.6104
K 404.721	0.000000	ug/L	6.053	29.7	20.3877
Li 610.365	0.000000	ug/L	15.888	24.5	64.9766
Mg 279.078	0.000000	ug/L	3.885	16.2	23.9243
Mn 257.610	0.000000	ug/L	7.560	14.1	53.5973
Mo 202.032	0.000000	ug/L	1.435	8.4	17.0730
Na 330.237	0.000000	ug/L	4.650	44.6	10.4150
Ni 216.555	0.000000	ug/L	1.422	12.5	11.3680
Pb 220.353	0.000000	ug/L	0.321	1.9	16.7608
Sb 217.582	0.000000	ug/L	2.143	19.9	10.7925
Se 196.026	0.000000	ug/L	1.127	24.2	4.65436
Si 251.611	0.000000	ug/L	3.242	6.3	51.6676
Si 288.158	0.000000	ug/L	9.090	1.9	485.233
Sn 189.925	0.000000	ug/L	3.388	51.2	6.61875
Sr 421.552	0.000000	ug/L	7.524	13.8	54.5586
Ti 336.122	0.000000	ug/L	25.481	46.0	55.4238
Tl 190.794	0.000000	ug/L	1.123	42.8	2.62108
V 292.401	0.000000	ug/L	1.425	3.6	39.2141
Zn 202.548	0.000000	ug/L	1.629	5.1	32.2457
Zr 339.198	0.000000	ug/L	6.208	326.6	1.90063

Standard 1 (Std) **12/2/2011, 11:15:47 AM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	24.023	0.2	11342.2
Al 237.312	5000.00	ug/L	91.987	0.4	24471.9
As 188.980	1000.00	ug/L	4.628	0.3	1834.80
B 249.678	1000.00	ug/L	329.628	1.0	34218.3
Ba 493.408	1000.00	ug/L	11399.445	0.4	2641497
Be 313.042	1000.00	ug/L	75678.813	1.7	4368333
Ca 373.690	20000.0	ug/L	726.177	0.4	176807
Cd 214.439	1000.00	ug/L	205.354	0.3	69273.9
Co 228.615	1000.00	ug/L	64.548	0.5	14310.8
Cr 267.716	1000.00	ug/L	370.684	0.5	70244.6
Cu 327.395	1000.00	ug/L	220.844	0.3	75344.3
Fe 273.955	5000.00	ug/L	623.652	0.5	121379
K 404.721	20000.0	ug/L	15.945	2.9	556.875
Li 610.365	5000.00	ug/L	2561.715	0.4	644400
Mg 279.078	20000.0	ug/L	759.698	0.5	160206
Mn 257.610	1000.00	ug/L	2011.741	0.5	423550
Mo 202.032	1000.00	ug/L	229.167	1.9	12173.0
Na 330.237	20000.0	ug/L	18.495	0.3	5624.88

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	9.557	0.1	13966.2
Pb 220.353	1000.00	ug/L	30.442	0.4	8361.88
Sb 217.582	1000.00	ug/L	18.311	0.8	2376.28
Se 196.026	1000.00	ug/L	3.037	0.3	952.757
Si 251.611	1000.00	ug/L	61.230	0.9	6647.23
Si 288.158	1000.00	ug/L	184.921	1.1	16219.6
Sn 189.925	1000.00	ug/L	13.932	0.5	2837.94
Sr 421.552	1000.00	ug/L	5006.139	0.2	3172491
Ti 336.122	1000.00	ug/L	1781.511	0.5	334137
Tl 190.794	1000.00	ug/L	2.128	0.1	1648.26
V 292.401	1000.00	ug/L	247.327	0.4	56358.7
Zn 202.548	1000.00	ug/L	223.089	0.4	51650.4
Zr 339.198	1000.00	ug/L	40.405	0.1	72979.8

Standard 2 (Std) **12/2/2011, 11:18:43 AM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	10000.0	ug/L	386.097	0.9	45219.0
Ca 373.690	40000.0	ug/L	2326.845	0.7	329104
Fe 273.955	10000.0	ug/L	2068.542	0.9	224467
K 404.721	40000.0	ug/L	1.508	0.1	1103.56
Mg 279.078	40000.0	ug/L	1862.807	0.6	296995
Na 330.237	40000.0	ug/L	64.501	0.6	11054.7

Standard 3 (Std) **12/2/2011, 11:21:40 AM** **Rack 0, Tube 4**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	12500.0	ug/L	82.734	0.1	56990.3
Ca 373.690	50000.0	ug/L	262.801	0.1	413815
Fe 273.955	12500.0	ug/L	492.610	0.2	281841
K 404.721	50000.0	ug/L	3.079	0.2	1430.68
Mg 279.078	50000.0	ug/L	278.467	0.1	373671
Na 330.237	50000.0	ug/L	5.107	0.0	13866.9

Standard 4 (Std) **12/2/2011, 11:24:36 AM** **Rack 0, Tube 5**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	15000.0	ug/L	584.319	0.8	69128.3
Ca 373.690	60000.0	ug/L	2920.749	0.6	500932
Fe 273.955	15000.0	ug/L	2687.337	0.8	340650
K 404.721	60000.0	ug/L	13.224	0.7	1770.85
Mg 279.078	60000.0	ug/L	3113.369	0.7	452978
Na 330.237	60000.0	ug/L	96.299	0.6	16817.5

Standard 5 (Std) **12/2/2011, 11:27:33 AM** **Rack 0, Tube 6**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	20000.0	ug/L	155.923	0.2	88709.0
Ca 373.690	80000.0	ug/L	975.277	0.2	630364
Fe 273.955	20000.0	ug/L	2050.742	0.5	441252
K 404.721	80000.0	ug/L	6.195	0.3	2379.11
Mg 279.078	80000.0	ug/L	2065.150	0.4	573397
Na 330.237	80000.0	ug/L	46.216	0.2	21787.4

Standard 6 (Std) **12/2/2011, 11:30:31 AM** **Rack 0, Tube 7**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	477.076	0.4	108113
Ca 373.690	100000	ug/L	2878.720	0.4	765708
Fe 273.955	25000.0	ug/L	163.342	0.0	521462
K 404.721	100000	ug/L	14.812	0.5	2971.52
Mg 279.078	100000	ug/L	2375.834	0.3	696908
Na 330.237	100000	ug/L	55.357	0.2	26429.5

Ag 338.289 Calibration (ug/L) **12/2/2011, 11:15:47 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.85034	0.000000	0.000000	-	-
Standard 1		11342.2	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: $y = 11.3\ x + -1.9$

Al 237.312 Calibration (ug/L) **12/2/2011, 11:30:31 AM** **Correlation Coefficient: 0.999791**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		15.0768	0.000000	-0.228904	-	-
Standard 1		24471.9	5000.00	5144.39	144.386	2.9
Standard 2		45219.0	10000.0	9719.92	-280.080	-2.8
Standard 3		56990.3	12500.0	12413.4	-86.5537	-0.7
Standard 4		69128.3	15000.0	15272.9	272.920	1.8
Standard 5		88709.0	20000.0	20082.0	81.9531	0.4
Standard 6		108113	25000.0	25123.0	122.961	0.5

Curve Type: Quadratic Equation: $y = 0.0\ x^2 + 4.9\ x + 16.2$

As 188.980 Calibration (ug/L) **12/2/2011, 11:15:47 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.08736	0.000000	0.000000	-	-
Standard 1		1834.80	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 1.8\ x + 4.1$

B 249.678 Calibration (ug/L) **12/2/2011, 11:15:47 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		104.580	0.000000	0.000000	-	-
Standard 1		34218.3	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 34.1\ x + 104.6$

Ba 493.408 Calibration (ug/L) **12/2/2011, 11:15:47 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		227.266	0.000000	0.000000	-	-
Standard 1		2641497	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 2641.3 x + 227.3

Be 313.042 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		141.239	0.000000	0.000000	-	-
Standard 1		4368333	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 4368.2 x + 141.2

Ca 373.690 Calibration (ug/L) 12/2/2011, 11:30:31 AM Correlation Coefficient: 0.999761

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		61.2437	0.000000	-0.006550	-	-
Standard 1		176807	20000.0	20374.3	374.342	1.9
Standard 2		329104	40000.0	39050.3	-949.668	-2.4
Standard 3		413815	50000.0	49966.0	-33.9961	-0.1
Standard 4		500932	60000.0	61644.5	1644.54	2.7
Standard 5		630364	80000.0	79978.5	-21.5234	0.0
Standard 6		765708	100000	100673	672.844	0.7

Curve Type: Quadratic Equation: $y = 0.0 x^2 + 8.9 x + 61.3$

Cd 214.439 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		7.01932	0.000000	0.000000	-	-
Standard 1		69273.9	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 69.3 x + 7.0

Co 228.615 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		28.7709	0.000000	0.000000	-	-
Standard 1		14310.8	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 14.3 x + 28.8

Cr 267.716 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		71.7166	0.000000	0.000000	-	-
Standard 1		70244.6	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 70.2 x + 71.7

Cu 327.395 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		196.743	0.000000	0.000000	-	-
Standard 1		75344.3	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 75.1 x + 196.7

Fe 273.955 Calibration (ug/L) 12/2/2011, 11:30:31 AM Correlation Coefficient: 0.999641

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		59.6104	0.000000	-0.013124	-	-
Standard 1		121379	5000.00	5117.36	117.355	2.3
Standard 2		224467	10000.0	9737.81	-262.190	-2.6
Standard 3		281841	12500.0	12436.3	-63.6914	-0.5
Standard 4		340650	15000.0	15310.2	310.232	2.1
Standard 5		441252	20000.0	20521.8	521.795	2.6
Standard 6		521462	25000.0	24999.2	-0.753906	0.0

Curve Type: Quadratic Equation: $y = 0.0 x^2 + 24.4 x + 59.9$

K 404.721 Calibration (ug/L) 12/2/2011, 11:30:31 AM Correlation Coefficient: 0.999700

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		20.3877	0.000000	494.795	-	-
Standard 1		556.875	20000.0	19744.8	-255.225	-1.3
Standard 2		1103.56	40000.0	38717.2	-1282.79	-3.2
Standard 3		1430.68	50000.0	49784.1	-215.875	-0.4
Standard 4		1770.85	60000.0	61081.3	1081.30	1.8
Standard 5		2379.11	80000.0	80780.4	780.367	1.0
Standard 6		2971.52	100000	99394.4	-605.578	-0.6

Curve Type: Quadratic Equation: $y = 0.0 x^2 + 0.0 x + 6.8$

Li 610.365 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		64.9766	0.000000	0.000000	-	-
Standard 1		644400	5000.00	5000.00	0.000000	0.0

Curve Type: Linear Equation: y = 128.9 x + 65.0

Mg 279.078 Calibration (ug/L) 12/2/2011, 11:30:31 AM Correlation Coefficient: 0.999772

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		23.9243	0.000000	-0.005861	-	-
Standard 1		160206	20000.0	20547.2	547.156	2.7
Standard 2		296995	40000.0	39093.7	-906.309	-2.3
Standard 3		373671	50000.0	49955.5	-44.5234	-0.1
Standard 4		452978	60000.0	61588.7	1588.66	2.6
Standard 5		573397	80000.0	80135.1	135.148	0.2
Standard 6		696908	100000	100467	466.688	0.5

Curve Type: Quadratic Equation: $y = 0.0 x^2 + 8.0 x + 24.0$

Mn 257.610 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		53.5973	0.000000	0.000000	-	-
Standard 1		423550	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 423.5 x + 53.6

Mo 202.032 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		17.0730	0.000000	0.000000	-	-
Standard 1		12173.0	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 12.2 x + 17.1

Na 330.237 Calibration (ug/L) 12/2/2011, 11:30:31 AM Correlation Coefficient: 0.999274

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		10.4150	0.000000	-48.6908	-	-
Standard 1		5624.88	20000.0	20266.7	266.748	1.3
Standard 2		11054.7	40000.0	39914.0	-85.9805	-0.2
Standard 3		13866.9	50000.0	50090.0	89.9609	0.2
Standard 4		16817.5	60000.0	60766.2	766.160	1.3
Standard 5		21787.4	80000.0	78749.3	-1250.67	-1.6
Standard 6		26429.5	100000	95546.6	-4453.42	-4.5

Curve Type: Linear Equation: y = 0.3 x + 23.9

Ni 216.555 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.3680	0.000000	0.000000	-	-
Standard 1		13966.2	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 14.0 x + 11.4

Pb 220.353 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		16.7608	0.000000	0.000000	-	-
Standard 1		8361.88	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 8.3 x + 16.8

Sb 217.582 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		10.7925	0.000000	0.000000	-	-
Standard 1		2376.28	1000.00	1000.000	-0.000122	0.0

Curve Type: Linear Equation: y = 2.4 x + 10.8

Se 196.026 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.65436	0.000000	0.000000	-	-
Standard 1		952.757	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 0.9 x + 4.7

Si 251.611 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		51.6676	0.000000	0.000000	-	-
Standard 1		6647.23	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 6.6 x + 51.7

Si 288.158 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		485.233	0.000000	0.000000	-	-
Standard 1		16219.6	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 15.7 x + 485.2

Sn 189.925 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6.61875	0.000000	0.000000	-	-
Standard 1		2837.94	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 2.8 x + 6.6

Sr 421.552 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		54.5586	0.000000	0.000000	-	-
Standard 1		3172491	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 3172.4 x + 54.6

Ti 336.122 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		55.4238	0.000000	0.000000	-	-
Standard 1		334137	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 334.1 x + 55.4

Tl 190.794 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.62108	0.000000	0.000000	-	-
Standard 1		1648.26	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 1.6 x + 2.6

V 292.401 Calibration (ug/L) **12/2/2011, 11:15:47 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		39.2141	0.000000	0.000000	-	-
Standard 1		56358.7	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 56.3 x + 39.2

Zn 202.548 Calibration (ug/L) **12/2/2011, 11:15:47 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		32.2457	0.000000	0.000000	-	-
Standard 1		51650.4	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 51.6 x + 32.2

Zr 339.198 Calibration (ug/L) **12/2/2011, 11:15:47 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.90063	0.000000	0.000000	-	-
Standard 1		72979.8	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 73.0 x + 1.9

RB (PBLK) **12/2/2011, 11:33:28 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	8.39831	ug/L	5.05574	60.2	93.6987	-
Al 237.312	4.25280	ug/L	0.705091	16.6	36.9128	-
As 188.980	4.72419	ug/L	1.63377	34.6	12.7366	-
B 249.678	0.936091	ug/L	0.129873	13.9	136.727	-
Ba 493.408	0.567440	ug/L	0.079262	14.0	1726.03	-
Be 313.042	0.259299	ug/L	0.057123	22.0	1274.56	-
Ca 373.690	12.3914	ug/L	1.14618	9.2	173.889	-
Cd 214.439	0.283950	ug/L	0.104965	37.0	26.7076	-
Co 228.615	0.627594	ug/L	0.196723	31.3	37.7520	-
Cr 267.716	0.362654	ug/L	0.013334	3.7	97.1650	-
Cu 327.395	0.269736	ug/L	0.028973	10.7	217.056	-
Fe 273.955	8.57842	ug/L	0.221470	2.6	269.616	-
K 404.721	701.904	ug/L	267.081	38.1	26.0649	-
Li 610.365	-0.481336uv	ug/L	0.008274	1.7	2.94922	-
Mg 279.078	7.69827	ug/L	1.67383	21.7	85.7017	-
Mn 257.610	0.366024	ug/L	0.059931	16.4	208.767	-
Mo 202.032	0.397683	ug/L	0.102837	25.9	21.9073	-
Na 330.237	-39.4296uv	ug/L	10.4993	26.6	12.8965	-
Ni 216.555	0.371465	ug/L	0.251018	67.6	17.0369	-
Pb 220.353	-0.133763uv	ug/L	0.452130	338.0	15.6438	-
Sb 217.582	-2.37245uv	ug/L	0.051269	2.2	5.18158	-
Se 196.026	9.98897	ug/L	2.72913	27.3	14.1252	-
Si 251.611	3.43412	ug/L	0.864730	25.2	74.3862	-
Si 288.158	2.49986	ug/L	0.246162	9.8	524.557	-
Sn 189.925	2.52622	ug/L	0.000373	0.0	13.7714	-
Sr 421.552	0.342720	ug/L	0.076714	22.4	1143.18	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	0.242615	ug/L	0.046378	19.1	136.478	-
Tl 190.794	1.60026	ug/L	0.170285	10.6	5.26627	-
V 292.401	0.654716	ug/L	0.001631	0.2	76.1304	-
Zn 202.548	1.80522	ug/L	0.056413	3.1	126.155	-
Zr 339.198	0.143591	ug/L	0.072159	50.3	12.3794	-

IPC (ICV) **12/2/2011, 11:36:24 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	1005.00	ug/L	1.87877	0.2	11699.1	100.50014
Al 237.312	5191.56	ug/L	16.7057	0.3	24697.5	103.83120
As 188.980	1011.39	ug/L	2.40444	0.2	1856.33	101.13892
B 249.678	1003.74	ug/L	7.83191	0.8	34489.5	100.37448
Ba 493.408	1003.41	ug/L	2.59934	0.3	2650514	100.34146
Be 313.042	989.406	ug/L	10.9103	1.1	4322718	98.94060
Ca 373.690	20529.8	ug/L	68.6543	0.3	178958	102.64893
Cd 214.439	1006.70	ug/L	1.04547	0.1	69748.5	100.66959
Co 228.615	1006.56	ug/L	2.67392	0.3	14444.4	100.65571
Cr 267.716	1006.32	ug/L	3.98451	0.4	70688.0	100.63183
Cu 327.395	1001.79	ug/L	2.52494	0.3	75508.0	100.17899
Fe 273.955	5154.33	ug/L	23.1912	0.4	122258	103.08665
K 404.721	20019.1	ug/L	258.312	1.3	566.945	100.09573
Li 610.365	5037.09	ug/L	14.7467	0.3	649182	100.74183
Mg 279.078	20668.8	ug/L	50.7101	0.2	161135	103.34396
Mn 257.610	1006.17	ug/L	3.37831	0.3	426552	100.61729
Mo 202.032	1005.90	ug/L	20.2592	2.0	12244.8	100.59032
Na 330.237	20484.2	ug/L	3.31318	0.0	5646.91	102.42121
Ni 216.555	1008.98	ug/L	8.80698	0.9	14180.4	100.89806
Pb 220.353	1004.64	ug/L	2.64146	0.3	8400.25	100.46443
Sb 217.582	1009.02	ug/L	1.45983	0.1	2401.05	100.90184
Se 196.026	1009.96	ug/L	6.72489	0.7	963.160	100.99641
Si 251.611	1011.09	ug/L	11.5916	1.1	7160.52	101.10931
Si 288.158	1007.33	ug/L	9.18272	0.9	16752.8	100.73313
Sn 189.925	1008.64	ug/L	5.26640	0.5	2862.75	100.86395
Sr 421.552	1005.20	ug/L	2.05214	0.2	3190829	100.52048
Ti 336.122	1004.83	ug/L	0.187178	0.0	335750	100.48272
Tl 190.794	1009.09	ug/L	1.51892	0.2	1672.22	100.90881
V 292.401	1007.15	ug/L	2.90931	0.3	56841.9	100.71537
Zn 202.548	1005.39	ug/L	1.84856	0.2	52384.2	100.53944
Zr 339.198	1010.68	ug/L	7.35928	0.7	73758.5	101.06783

ICV (ICV) **12/2/2011, 11:39:22 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	1001.43	ug/L	1.88248	0.2	11657.7	100.14262
Al 237.312	1005.36	ug/L	6.86158	0.7	4896.66	100.53641
As 188.980	1005.51	ug/L	0.196845	0.0	1845.56	100.55106
B 249.678	973.367	ug/L	9.99561	1.0	33431.4	97.33672
Ba 493.408	1007.74	ug/L	2.05766	0.2	2661938	100.77396
Be 313.042	991.572	ug/L	4.90171	0.5	4332117	99.15720
Ca 373.690	9683.82	ug/L	24.0354	0.2	85624.2	96.83824

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	1002.31	ug/L	2.58920	0.3	69436.3	100.23107
Co 228.615	1001.61	ug/L	2.46490	0.2	14371.2	100.16112
Cr 267.716	1003.42	ug/L	3.86699	0.4	70484.4	100.34169
Cu 327.395	999.823	ug/L	0.578236	0.1	75360.1	99.98230
Fe 273.955	1018.93	ug/L	4.52779	0.4	24846.2	101.89338
K 404.721	9434.50	ug/L	306.038	3.2	269.166	94.34504
Li 610.365	10338.8	ug/L	16.8470	0.2	1332402	103.38840
Mg 279.078	9673.83	ug/L	38.9516	0.4	76572.3	96.73832
Mn 257.610	1014.96	ug/L	2.65463	0.3	430069	101.49571
Mo 202.032	1026.25	ug/L	18.2973	1.8	12492.1	102.62478
Na 330.237	8855.77	ug/L	4.00993	0.0	2432.87	88.55768Q
Ni 216.555	1016.78	ug/L	7.31254	0.7	14279.5	101.67777
Pb 220.353	1008.66	ug/L	2.67034	0.3	8434.05	100.86579
Sb 217.582	970.362	ug/L	20.6685	2.1	2309.59	97.03616
Se 196.026	1011.78	ug/L	3.50878	0.3	964.941	101.17816
Si 251.611	579.828	ug/L	38.2369	6.6	4313.10	115.96570Q
Si 288.158	577.340	ug/L	35.1166	6.1	9971.24	115.46806Q
Sn 189.925	965.347	ug/L	0.480655	0.0	2739.99	96.53474
Sr 421.552	966.566	ug/L	0.763213	0.1	3067296	96.65663
Ti 336.122	1016.88	ug/L	2.53089	0.2	339777	101.68813
Tl 190.794	1011.88	ug/L	1.45142	0.1	1676.73	101.18806
V 292.401	1000.66	ug/L	2.62472	0.3	56457.1	100.06586
Zn 202.548	1014.04	ug/L	0.385965	0.0	52823.0	101.40404
Zr 339.198	1039.90	ug/L	18.4865	1.8	75891.3	103.98991

ICB (ICB) **12/2/2011, 11:42:19 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	-0.269720uv	ug/L	0.296052	109.8	-4.77710	-0.26972
Al 237.312	0.272592uv	ug/L	0.758273	278.2	17.5270	0.27259
As 188.980	2.73023	ug/L	1.05582	38.7	9.08592	2.73023
B 249.678	24.3989	ug/L	3.88436	15.9	937.024	24.39893
Ba 493.408	0.094907	ug/L	0.017675	18.6	477.941	0.09491
Be 313.042	0.042855	ug/L	0.009941	23.2	328.785	0.04286
Ca 373.690	1.13990	ug/L	0.336302	29.5	71.8232	1.13990
Cd 214.439	0.045188	ug/L	0.008426	18.6	10.1534	0.04519
Co 228.615	0.277955uv	ug/L	0.421084	151.5	32.7659	0.27795
Cr 267.716	-0.125885uv	ug/L	0.047155	37.5	62.8828	-0.12589
Cu 327.395	0.063796	ug/L	0.089446	140.2	201.570	0.06380
Fe 273.955	0.753082	ug/L	0.124442	16.5	78.3513	0.75308
K 404.721	532.671	ug/L	92.2049	17.3	21.4258	532.67139
Li 610.365	-0.033133uv	ug/L	0.104384	315.0	60.7070	-0.03313
Mg 279.078	0.773117	ug/L	0.946938	122.5	30.1721	0.77312
Mn 257.610	0.047601	ug/L	0.004392	9.2	73.7886	0.04760
Mo 202.032	16.9582	ug/L	0.777382	4.6	223.216	16.95824
Na 330.237	-57.6162uv	ug/L	10.8566	18.8	7.93799	-57.61616
Ni 216.555	-0.169973uv	ug/L	0.191266	112.5	9.31592	-0.16997
Pb 220.353	-0.247470uv	ug/L	0.430791	174.1	14.6955	-0.24747
Sb 217.582	8.81478	ug/L	0.570814	6.5	31.6440	8.81478Z
Se 196.026	2.62252	ug/L	0.830140	31.7	7.14079	2.62252
Si 251.611	1.48540	ug/L	0.169360	11.4	63.4903	1.48540
Si 288.158	-0.947753uv	ug/L	1.54768	163.3	474.958	-0.94775
Sn 189.925	0.998946	ug/L	0.429706	43.0	9.44711	0.99895

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.052097	ug/L	0.014318	27.5	220.146	0.05210
Ti 336.122	0.684588	ug/L	0.045153	6.6	284.132	0.68459
Tl 190.794	0.614854uv	ug/L	2.63963	429.3	3.64113	0.61485
V 292.401	0.183462	ug/L	0.011274	6.1	49.5852	0.18346
Zn 202.548	-0.001881	ug/L	0.004406	234.2	32.7642	-0.00188
Zr 339.198	0.073506	ug/L	0.012561	17.1	7.26489	0.07351

CRI-RL (CRI) **12/2/2011, 11:45:16 AM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	3.91927	ug/L	0.743219	19.0	44.2639	78.38540
Al 237.312	108.318	ug/L	0.320877	0.3	543.523	108.31804
As 188.980	9.28567	ug/L	1.41387	15.2	21.0905	92.85668
B 249.678	20.0921	ug/L	0.088084	0.4	796.315	200.92055R
Ba 493.408	11.2558	ug/L	0.043807	0.4	29956.9	112.55798
Be 313.042	1.07782	ug/L	0.001467	0.1	4857.64	107.78162
Ca 373.690	423.394	ug/L	2.02063	0.5	3866.27	105.84853
Cd 214.439	1.05441	ug/L	0.058597	5.6	80.2863	105.44073
Co 228.615	10.9472	ug/L	0.019600	0.2	185.587	109.47250
Cr 267.716	4.95153	ug/L	0.077604	1.6	419.180	99.03055
Cu 327.395	11.2632	ug/L	0.060546	0.5	1043.48	112.63153
Fe 273.955	107.645	ug/L	0.054115	0.1	2689.41	107.64525
K 404.721	4092.54	ug/L	705.427	17.2	119.298	102.31354
Li 610.365	97.3616	ug/L	0.746721	0.8	12611.7	97.36158
Mg 279.078	435.208	ug/L	0.844609	0.2	3511.08	108.80188
Mn 257.610	10.7072	ug/L	0.030668	0.3	4596.48	107.07233
Mo 202.032	14.4492	ug/L	0.938964	6.5	192.718	144.49248R
Na 330.237	2245.01	ug/L	4.00527	0.2	642.303	112.25037
Ni 216.555	10.3935	ug/L	0.339154	3.3	157.466	103.93549
Pb 220.353	5.40914	ug/L	0.182633	3.4	61.8924	108.18285
Sb 217.582	12.1882	ug/L	0.521918	4.3	39.6271	121.88168
Se 196.026	10.8613	ug/L	0.378483	3.5	14.9617	108.61340
Si 251.611	109.490	ug/L	2.60895	2.4	779.113	109.49008
Si 288.158	103.648	ug/L	1.78151	1.7	2122.08	103.64817
Sn 189.925	51.5530	ug/L	0.888340	1.7	152.589	103.10591
Sr 421.552	22.2077	ug/L	0.121801	0.5	70546.2	111.03864
Ti 336.122	10.6595	ug/L	0.061930	0.6	3616.56	106.59469
Tl 190.794	10.4462	ug/L	0.413203	4.0	19.9117	104.46183
V 292.401	10.2882	ug/L	0.059931	0.6	619.871	102.88169
Zn 202.548	53.0836	ug/L	0.374960	0.7	2778.13	106.16714
Zr 339.198	9.79589	ug/L	0.081257	0.8	716.772	97.95892

CRI-MCP (CRI) **12/2/2011, 11:48:13 AM** **Rack 1, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	3.54730	ug/L	0.170990	4.8	71.1538	50.67566R
Al 237.312	1.28851uv	ug/L	1.99579	154.9	22.5045	-
As 188.980	50.8707	ug/L	1.18948	2.3	97.2904	101.74148
B 249.678	5.90994	ug/L	0.335189	5.7	308.510	-
Ba 493.408	2299.65	ug/L	15.4676	0.7	6074230	114.98263
Be 313.042	4.31987	ug/L	0.036503	0.8	19041.3	107.99677

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	8.60270	ug/L	0.278071	3.2	138.596	-
Cd 214.439	5.31120	ug/L	0.009520	0.2	374.811	106.22401
Co 228.615	0.691238	ug/L	0.014426	2.1	38.9140	-
Cr 267.716	108.692	ug/L	0.808437	0.7	7698.95	108.69196
Cu 327.395	0.142292	ug/L	0.058001	40.8	207.481	-
Fe 273.955	0.661905	ug/L	0.050305	7.6	79.5535	-
K 404.721	211.574	ug/L	379.549	179.4	16.7280	-
Li 610.365	-0.127921uv	ug/L	0.003772	2.9	48.4922	-
Mg 279.078	1.40575	ug/L	0.520910	37.1	35.2439	-
Mn 257.610	0.043824	ug/L	0.005508	12.6	72.2001	-
Mo 202.032	2.25283	ug/L	0.452446	20.1	44.4582	-
Na 330.237	32.5286uv	ug/L	21.7381	66.8	-3.57813	-
Ni 216.555	114.619	ug/L	1.10207	1.0	1614.82	114.61859
Pb 220.353	16.9814	ug/L	0.324327	1.9	158.473	113.20937
Sb 217.582	6.58415	ug/L	0.502578	7.6	26.3854	109.73579
Se 196.026	51.9765	ug/L	1.61977	3.1	53.9334	103.95296
Si 251.611	1.76067	ug/L	0.568032	32.3	64.7759	-
Si 288.158	-0.084138uv	ug/L	1.62588	1932.4	487.598	-
Sn 189.925	-0.912768uv	ug/L	0.339752	37.2	4.03445	-
Sr 421.552	0.015294	ug/L	0.005127	33.5	104.109	-
Ti 336.122	0.116986	ug/L	0.068576	58.6	94.5073	-
Tl 190.794	2.14135	ug/L	0.393731	18.4	6.35605	107.06734
V 292.401	52.2149	ug/L	0.444283	0.9	2979.96	104.42988
Zn 202.548	969.804	ug/L	16.5823	1.7	50092.4	107.75595
Zr 339.198	-0.003994uv	ug/L	0.054242	1358.2	1.60913	-

ICSA (ICSA) **12/2/2011, 11:51:09 AM** **Rack 4, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.087420uv	ug/L	0.382064	437.0	-0.862549	-0.08742
Al 237.312	116113	ug/L	262.729	0.2	4484996	112.53906K
As 188.980	-0.256281uv	ug/L	0.183198	71.5	3.61874	-0.25628
B 249.678	4.20432	ug/L	0.785515	18.7	248.535	4.20432
Ba 493.408	1.13793	ug/L	0.057975	5.1	3232.86	1.13793
Be 313.042	0.016806	ug/L	0.002180	13.0	739.134	0.01681
Ca 373.690	103426	ug/L	342.892	0.3	7938683	425.73438K
Cd 214.439	-0.881998	ug/L	0.043958	5.0	123.669	-0.88200
Co 228.615	-0.866594	ug/L	0.091816	10.6	82.1963	-0.86659
Cr 267.716	0.270825	ug/L	0.057975	21.4	90.7209	0.27082
Cu 327.395	0.612063	ug/L	0.369822	60.4	242.873	0.61206
Fe 273.955	116439	ug/L	340.704	0.3	21008246	438.86719K
K 404.721	1236.07	ug/L	20.9602	1.7	48.0239	1236.07141
Li 610.365	1.55096	ug/L	0.094996	6.1	271.258	1.55096
Mg 279.078	108266	ug/L	413.022	0.4	7427618	265.71094K
Mn 257.610	-2.65484	ug/L	0.006686	0.3	717.316	-2.65484
Mo 202.032	0.916507	ug/L	0.134379	14.7	28.4278	0.91651
Na 330.237	46.0765	ug/L	1.48169	3.2	36.4595	46.07652
Ni 216.555	-5.31120	ug/L	0.360457	6.8	137.495	-5.31120
Pb 220.353	-0.012590uv	ug/L	0.195842	1555.5	10.0468	-0.01259
Sb 217.582	-2.21472uv	ug/L	2.11931	95.7	5.55914	-2.21472
Se 196.026	-2.62855uv	ug/L	1.88948	71.9	1.11346	-2.62855
Si 251.611	0.403654uv	ug/L	1.32235	327.6	54.4227	0.40365
Si 288.158	2.99622	ug/L	1.14642	38.3	532.462	2.99622

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 189.925	0.213793	ug/L	0.705935	330.2	8.82915	0.21379
Sr 421.552	-2.03714	ug/L	0.006228	0.3	1803.80	-2.03714
Ti 336.122	0.195771	ug/L	0.056746	29.0	120.828	0.19577
Tl 190.794	0.125788	ug/L	0.201402	160.1	3.21077	0.12579
V 292.401	-2.58123	ug/L	0.120256	4.7	103.082	-2.58123
Zn 202.548	0.760182	ug/L	0.597170	78.6	214.623	0.76018
Zr 339.198	0.841759	ug/L	0.037158	4.4	60.8350	0.84176

ICSAB (ICSAB) **12/2/2011, 11:54:06 AM** **Rack 4, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	549.378	ug/L	3.92586	0.7	6389.77	91.56302
Al 237.312	118860	ug/L	916.626	0.8	458782	118.86038
As 188.980	1796.27	ug/L	26.5111	1.5	3292.90	89.81349
B 249.678	2.29956	ug/L	1.29621	56.4	230.177	-
Ba 493.408	530.282	ug/L	3.14672	0.6	1400845	88.38040
Be 313.042	182.912	ug/L	1.26071	0.7	799966	91.45605
Ca 373.690	106206	ug/L	994.209	0.9	811603	106.20608
Cd 214.439	519.102	ug/L	2.50677	0.5	36145.8	86.51706
Co 228.615	521.154	ug/L	2.39926	0.5	7540.55	86.85892
Cr 267.716	528.746	ug/L	4.11084	0.8	37175.4	88.12440
Cu 327.395	555.282	ug/L	4.27199	0.8	41940.1	92.54705
Fe 273.955	119436	ug/L	965.455	0.8	2152604	119.43609
K 404.721	38849.7	ug/L	343.878	0.9	1116.46	97.12430
Li 610.365	1.43195	ug/L	0.186090	13.0	256.051	-
Mg 279.078	110047	ug/L	842.711	0.8	753215	110.04744
Mn 257.610	345.906	ug/L	2.13811	0.6	148357	86.47649
Mo 202.032	0.496366	ug/L	0.096759	19.5	23.3253	-
Na 330.237	-273.242uv	ug/L	24.3242	8.9	-71.3696	-
Ni 216.555	514.065	ug/L	1.99016	0.4	7527.14	85.67743
Pb 220.353	1716.69	ug/L	6.02767	0.4	14336.0	85.83446
Sb 217.582	978.199	ug/L	1.16316	0.1	2326.49	97.81993
Se 196.026	892.366	ug/L	10.2031	1.1	849.986	89.23656
Si 251.611	-25.4280uv	ug/L	0.093075	0.4	43.9006	-
Si 288.158	-23.2125	ug/L	1.27645	5.5	524.744	-
Sn 189.925	3.67722	ug/L	0.923935	25.1	18.6578	-
Sr 421.552	-2.16008	ug/L	0.006040	0.3	1598.32	-
Ti 336.122	0.055650	ug/L	0.030111	54.1	74.2090	-
Tl 190.794	1683.86	ug/L	31.2757	1.9	2778.68	84.19305
V 292.401	530.406	ug/L	4.62079	0.9	30125.5	88.40104
Zn 202.548	518.185	ug/L	2.51160	0.5	27173.8	86.36414
Zr 339.198	3.25136	ug/L	0.204522	6.3	236.648	-

RB (PBLK) **12/2/2011, 11:57:29 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	0.315549uv	ug/L	0.719113	227.9	1.85767	-
Al 237.312	5.93140	ug/L	0.607792	10.2	45.0861	-
As 188.980	1.60895	ug/L	1.12291	69.8	7.03317	-
B 249.678	1.99430	ug/L	0.400075	20.1	172.810	-
Ba 493.408	33.5311	ug/L	0.007744	0.0	88791.8	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	0.158481	ug/L	0.003268	2.1	833.943	-
Ca 373.690	11.5050	ug/L	1.15799	10.1	166.558	-
Cd 214.439	0.114229	ug/L	0.053098	46.5	14.9569	-
Co 228.615	0.458180	ug/L	0.152840	33.4	35.3339	-
Cr 267.716	-0.141466uv	ug/L	0.011791	8.3	61.7894	-
Cu 327.395	0.171310	ug/L	0.051569	30.1	209.655	-
Fe 273.955	11.9025	ug/L	1.08658	9.1	350.835	-
K 404.721	954.637	ug/L	321.589	33.7	33.0518	-
Li 610.365	-0.176968uv	ug/L	0.049984	28.2	42.1719	-
Mg 279.078	6.35106	ug/L	1.95054	30.7	74.9070	-
Mn 257.610	0.250961	ug/L	0.023808	9.5	160.014	-
Mo 202.032	0.402066	ug/L	0.323871	80.6	21.9605	-
Na 330.237	-42.9823uv	ug/L	14.7045	34.2	11.9185	-
Ni 216.555	-0.001667uv	ug/L	0.066586	3995.3	11.5972	-
Pb 220.353	-0.178478uv	ug/L	0.747744	419.0	15.2704	-
Sb 217.582	0.804266	ug/L	0.489004	60.8	12.6955	-
Se 196.026	1.08801uv	ug/L	3.50462	322.1	5.68599	-
Si 251.611	3.43323	ug/L	0.105770	3.1	74.9286	-
Si 288.158	2.27888	ug/L	0.355573	15.6	522.469	-
Sn 189.925	3.27760	ug/L	0.641753	19.6	15.8988	-
Sr 421.552	0.179091	ug/L	0.001557	0.9	624.014	-
Ti 336.122	0.241041	ug/L	0.011734	4.9	135.952	-
Tl 190.794	3.30167	ug/L	1.39774	42.3	8.06396	-
V 292.401	0.263663	ug/L	0.008411	3.2	54.1079	-
Zn 202.548	1.71258	ug/L	0.003673	0.2	121.332	-
Zr 339.198	0.064616	ug/L	0.038412	59.4	6.61597	-

CCV (CCV) **12/2/2011, 12:00:26 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	999.870	ug/L	1.07879	0.1	11640.7	99.98695
Al 237.312	5194.55	ug/L	3.82556	0.1	24711.3	103.89093
As 188.980	1010.09	ug/L	1.19834	0.1	1853.94	101.00859
B 249.678	1002.48	ug/L	6.70470	0.7	34446.1	100.24822
Ba 493.408	1001.34	ug/L	1.20533	0.1	2645041	100.13422
Be 313.042	999.750	ug/L	7.70938	0.8	4367902	99.97501
Ca 373.690	20523.3	ug/L	10.3898	0.1	178904	102.61633
Cd 214.439	1007.42	ug/L	0.979997	0.1	69798.5	100.74168
Co 228.615	1006.11	ug/L	1.64196	0.2	14438.0	100.61076
Cr 267.716	1005.77	ug/L	0.035735	0.0	70649.7	100.57726
Cu 327.395	1003.80	ug/L	1.10395	0.1	75659.3	100.38038
Fe 273.955	5156.58	ug/L	13.4696	0.3	122310	103.13168
K 404.721	19652.3	ug/L	284.910	1.4	556.540	98.26138
Li 610.365	5028.56	ug/L	1.20326	0.0	648083	100.57124
Mg 279.078	20686.1	ug/L	14.3092	0.1	161266	103.43032
Mn 257.610	1003.12	ug/L	1.18901	0.1	425260	100.31207
Mo 202.032	1003.46	ug/L	18.0521	1.8	12215.1	100.34612
Na 330.237	20498.5	ug/L	87.4161	0.4	5650.69	102.49226
Ni 216.555	1006.76	ug/L	3.57813	0.4	14149.4	100.67623
Pb 220.353	1005.73	ug/L	0.088432	0.0	8409.30	100.57285
Sb 217.582	1010.99	ug/L	1.75983	0.2	2405.72	101.09922
Se 196.026	1004.61	ug/L	4.11653	0.4	958.090	100.46149
Si 251.611	1007.59	ug/L	5.71900	0.6	7137.50	100.75869

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	1002.88	ug/L	6.99917	0.7	16683.4	100.28764
Sn 189.925	1012.91	ug/L	1.74515	0.2	2874.85	101.29121
Sr 421.552	1001.39	ug/L	1.32949	0.1	3178730	100.13911
Ti 336.122	1004.01	ug/L	0.886559	0.1	335476	100.40067
Tl 190.794	1008.84	ug/L	1.10723	0.1	1671.80	100.88417
V 292.401	1005.14	ug/L	0.087957	0.0	56728.2	100.51353
Zn 202.548	1009.34	ug/L	0.858161	0.1	52588.5	100.93362
Zr 339.198	987.237	ug/L	18.5083	1.9	72047.8	98.72366

CCB (CCB) **12/2/2011, 12:03:24 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.112882uv	ug/L	0.857111	759.3	-3.04810	-0.11288
Al 237.312	2.92985	ug/L	0.169163	5.8	30.4685	2.92985
As 188.980	1.60807	ug/L	0.023645	1.5	7.03146	1.60807
B 249.678	15.2912	ug/L	2.75066	18.0	626.236	15.29124
Ba 493.408	0.086727	ug/L	0.020304	23.4	456.336	0.08673
Be 313.042	0.034193	ug/L	0.014427	42.2	290.835	0.03419
Ca 373.690	2.39569	ug/L	0.745279	31.1	83.3777	2.39569
Cd 214.439	-0.006310uv	ug/L	0.007387	117.1	6.58975	-0.00631
Co 228.615	0.411044	ug/L	0.039496	9.6	34.6667	0.41104
Cr 267.716	-0.295317uv	ug/L	0.111264	37.7	50.9933	-0.29532
Cu 327.395	0.120099	ug/L	0.158869	132.3	205.805	0.12010
Fe 273.955	2.52962	ug/L	0.133047	5.3	121.766	2.52962
K 404.721	1066.06	ug/L	476.546	44.7	36.0479	1066.05627
Li 610.365	-0.228408uv	ug/L	0.005101	2.2	35.5430	-0.22841
Mg 279.078	1.21108	ug/L	1.46268	120.8	33.6860	1.21108
Mn 257.610	0.044724	ug/L	0.018542	41.5	72.5735	0.04472
Mo 202.032	15.0218	ug/L	0.207805	1.4	199.677	15.02181
Na 330.237	-18.0617uv	ug/L	38.0742	210.8	18.8691	-18.06170
Ni 216.555	-0.043057uv	ug/L	0.047486	110.3	10.9809	-0.04306
Pb 220.353	-0.071080uv	ug/L	0.426520	600.1	16.1674	-0.07108
Sb 217.582	-0.242695uv	ug/L	0.012699	5.2	10.2185	-0.24269
Se 196.026	3.75177uv	ug/L	5.41071	144.2	8.21141	3.75177
Si 251.611	0.148312uv	ug/L	0.792895	534.6	53.1693	0.14831
Si 288.158	-0.268247uv	ug/L	1.01537	378.5	481.883	-0.26825
Sn 189.925	0.796894	ug/L	0.392870	49.3	8.87505	0.79689
Sr 421.552	7.71495	ug/L	0.010328	0.1	24530.2	7.71495
Ti 336.122	0.632547	ug/L	0.078522	12.4	266.747	0.63255
Tl 190.794	0.892029	ug/L	0.006727	0.8	4.09734	0.89203
V 292.401	-0.021475uv	ug/L	0.048149	224.2	38.0444	-0.02148
Zn 202.548	-0.007972uv	ug/L	0.044981	564.3	32.4794	-0.00797
Zr 339.198	0.579696	ug/L	0.243416	42.0	44.2056	0.57970

ICV K Na Ca Mg 75ppm (Samp) **12/2/2011, 12:06:20 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.207166uv	ug/L	0.016070	7.8	-4.02393
Al 237.312	7483.51	ug/L	1.83268	0.0	35196.5
As 188.980	-0.255752uv	ug/L	0.171659	67.1	3.61955
B 249.678	6.34781	ug/L	0.759535	12.0	321.606

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	0.342856	ug/L	0.004164	1.2	1132.84
Be 313.042	0.169262	ug/L	0.002207	1.3	1267.97
Ca 373.690	78629.9	ug/L	47.2436	0.1	621150
Cd 214.439	0.456463	ug/L	0.004003	0.9	40.9403
Co 228.615	1.21259	ug/L	0.084104	6.9	46.2157
Cr 267.716	0.029086uv	ug/L	0.158131	543.7	73.7576
Cu 327.395	0.524549	ug/L	0.076297	14.5	236.222
Fe 273.955	4.65751	ug/L	0.035106	0.8	173.781
K 404.721	78762.7	ug/L	149.967	0.2	2315.93
Li 610.365	1.23169	ug/L	0.054957	4.5	228.617
Mg 279.078	79487.0	ug/L	40.7139	0.1	569313
Mn 257.610	-0.573834	ug/L	0.010532	1.8	1181.05
Mo 202.032	3.81484	ug/L	0.707411	18.5	63.6129
Na 330.237	80775.0	ug/L	41.2608	0.1	22347.2
Ni 216.555	0.398663	ug/L	0.303081	76.0	17.0192
Pb 220.353	0.422436	ug/L	0.046773	11.1	20.2856
Sb 217.582	0.358710	ug/L	0.324908	90.6	11.6428
Se 196.026	-1.94730uv	ug/L	0.918268	47.2	2.81075
Si 251.611	3.56873	ug/L	2.52076	70.6	76.0856
Si 288.158	-1.16645uv	ug/L	0.074696	6.4	468.113
Sn 189.925	-0.214678uv	ug/L	0.475244	221.4	7.24117
Sr 421.552	-1.37412	ug/L	0.005585	0.4	1997.44
Ti 336.122	1.41229	ug/L	0.050785	3.6	527.244
Tl 190.794	2.12691	ug/L	0.996377	46.8	6.41333
V 292.401	-0.330359	ug/L	0.101619	30.8	127.981
Zn 202.548	0.385542	ug/L	0.051673	13.4	52.9987
Zr 339.198	0.546734	ug/L	0.075722	13.8	39.8875

ICV Sb 1 ppm (Samp) **12/2/2011, 12:09:16 PM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.098977	ug/L	0.149532	151.1	-0.646729
Al 237.312	1.08218	ug/L	0.733217	67.8	21.4692
As 188.980	0.667867	ug/L	0.103351	15.5	5.31021
B 249.678	3.06603	ug/L	0.041021	1.3	209.415
Ba 493.408	0.123774	ug/L	0.006745	5.4	554.371
Be 313.042	0.001385uv	ug/L	0.005396	389.7	147.691
Ca 373.690	6.09608	ug/L	0.719467	11.8	116.056
Cd 214.439	-0.007462uv	ug/L	0.051352	688.2	6.54010
Co 228.615	0.218484	ug/L	0.229607	105.1	31.9045
Cr 267.716	-0.305612uv	ug/L	0.038582	12.6	50.2709
Cu 327.395	0.049164uv	ug/L	0.133498	271.5	200.469
Fe 273.955	0.160857	ug/L	0.139457	86.7	63.8618
K 404.721	787.223	ug/L	602.911	76.6	28.4053
Li 610.365	-0.066496uv	ug/L	0.004244	6.4	56.3477
Mg 279.078	4.37176	ug/L	0.384688	8.8	59.0205
Mn 257.610	-0.006852uv	ug/L	0.012254	178.8	51.3359
Mo 202.032	1.84795	ug/L	0.373428	20.2	39.5366
Na 330.237	-61.7961uv	ug/L	1.57414	2.5	6.77051
Ni 216.555	0.407167	ug/L	0.162015	39.8	17.1880
Pb 220.353	-0.714796uv	ug/L	0.252296	35.3	10.7957
Sb 217.582	1048.40	ug/L	15.8515	1.5	2490.76
Se 196.026	0.247748uv	ug/L	0.537737	217.1	4.88922

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	-21.1840	ug/L	1.02744	4.9	83.2653
Si 288.158	-24.5117	ug/L	1.33103	5.4	532.918
Sn 189.925	-1.04254uv	ug/L	0.273402	26.2	3.66708
Sr 421.552	0.003554	ug/L	0.000145	4.1	66.2568
Ti 336.122	0.298417	ug/L	0.015608	5.2	155.120
Tl 190.794	1.20481	ug/L	0.830708	68.9	4.61176
V 292.401	0.292810	ug/L	0.027501	9.4	55.7334
Zn 202.548	0.327331	ug/L	0.027042	8.3	49.7502
Zr 339.198	25.6419	ug/L	1.20609	4.7	1873.19

ICB Sb (Samp) **12/2/2011, 12:22:25 PM** **Rack 1, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.020537uv	ug/L	0.276938	1348.5	-1.52271
Al 237.312	-1.53842uv	ug/L	0.460365	29.9	8.70862
As 188.980	0.931257	ug/L	0.116211	12.5	5.79243
B 249.678	0.508631	ug/L	0.300393	59.1	121.984
Ba 493.408	0.042361	ug/L	0.003729	8.8	339.152
Be 313.042	0.040565	ug/L	0.000514	1.3	318.672
Ca 373.690	0.885936	ug/L	0.833422	94.1	69.4514
Cd 214.439	0.067265	ug/L	0.033202	49.4	11.6813
Co 228.615	0.510325	ug/L	0.059624	11.7	36.0669
Cr 267.716	-0.259508uv	ug/L	0.009796	3.8	53.5061
Cu 327.395	0.065968uv	ug/L	0.257817	390.8	201.740
Fe 273.955	0.203797	ug/L	0.136166	66.8	64.9221
K 404.721	280.776	ug/L	9.83495	3.5	14.5264
Li 610.365	-0.057323uv	ug/L	0.240704	419.9	57.5898
Mg 279.078	0.967615	ug/L	0.272449	28.2	31.7305
Mn 257.610	0.053346	ug/L	0.010325	19.4	76.2203
Mo 202.032	0.309355	ug/L	0.135906	43.9	20.8335
Na 330.237	-41.7496uv	ug/L	7.51590	18.0	12.3242
Ni 216.555	0.125558uv	ug/L	0.248704	198.1	13.3154
Pb 220.353	-0.382994uv	ug/L	0.001862	0.5	13.5646
Sb 217.582	-0.528067uv	ug/L	0.179677	34.0	9.54370
Se 196.026	1.45468uv	ug/L	2.19588	151.0	6.03357
Si 251.611	0.511509	ug/L	0.769560	150.4	55.4077
Si 288.158	-0.124813uv	ug/L	0.211184	169.2	484.078
Sn 189.925	0.119667uv	ug/L	0.882657	737.6	6.95760
Sr 421.552	0.036461	ug/L	0.005682	15.6	170.518
Ti 336.122	0.150765	ug/L	0.020909	13.9	105.792
Tl 190.794	0.991213	ug/L	1.09347	110.3	4.26108
V 292.401	0.007664	ug/L	0.002789	36.4	39.6594
Zn 202.548	-0.044687uv	ug/L	0.004084	9.1	30.5588
Zr 339.198	-0.090155uv	ug/L	0.004050	4.5	-4.67871

CRI-RL B Mo (Samp) **12/2/2011, 12:25:21 PM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.86498	ug/L	0.796390	27.8	32.3105
Al 237.312	110.369	ug/L	0.595569	0.5	553.502
As 188.980	9.36558	ug/L	0.459080	4.9	21.2368

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	10.2302	ug/L	0.582194	5.7	459.994
Ba 493.408	11.4375	ug/L	0.046032	0.4	30436.9
Be 313.042	1.09760	ug/L	0.004131	0.4	4944.20
Ca 373.690	429.951	ug/L	2.40189	0.6	3925.15
Cd 214.439	1.06678	ug/L	0.025249	2.4	81.1465
Co 228.615	11.1299	ug/L	0.214860	1.9	188.196
Cr 267.716	4.97064	ug/L	0.050346	1.0	420.521
Cu 327.395	11.6957	ug/L	0.178727	1.5	1075.99
Fe 273.955	109.319	ug/L	0.285806	0.3	2730.26
K 404.721	4208.12	ug/L	263.247	6.3	122.480
Li 610.365	99.2285	ug/L	0.379810	0.4	12852.3
Mg 279.078	441.772	ug/L	1.76457	0.4	3563.64
Mn 257.610	10.8424	ug/L	0.056481	0.5	4653.84
Mo 202.032	10.3125	ug/L	0.451171	4.4	142.432
Na 330.237	2238.44	ug/L	31.7851	1.4	640.481
Ni 216.555	10.7778	ug/L	0.177429	1.6	162.834
Pb 220.353	5.55482	ug/L	0.507995	9.1	63.1080
Sb 217.582	8.88263	ug/L	0.480355	5.4	31.8080
Se 196.026	11.4469	ug/L	2.28036	19.9	15.5170
Si 251.611	111.102	ug/L	1.22949	1.1	789.181
Si 288.158	105.808	ug/L	1.50679	1.4	2154.70
Sn 189.925	52.4662	ug/L	0.869042	1.7	155.175
Sr 421.552	22.5699	ug/L	0.107965	0.5	71695.7
Ti 336.122	10.5783	ug/L	0.047453	0.4	3589.44
Tl 190.794	9.78353	ug/L	0.042748	0.4	18.8227
V 292.401	10.4500	ug/L	0.252626	2.4	628.994
Zn 202.548	53.4477	ug/L	0.498236	0.9	2797.11
Zr 339.198	11.0794	ug/L	0.416220	3.8	810.438

CRI-MCP Ag (Samp) **12/2/2011, 12:28:18 PM** **Rack 1, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	3.22141	ug/L	0.302930	9.4	67.6833
Al 237.312	2.26157	ug/L	0.846342	37.4	27.2430
As 188.980	51.4761	ug/L	1.21023	2.4	98.3991
B 249.678	0.129178	ug/L	0.184355	142.7	111.286
Ba 493.408	2320.99	ug/L	4.91608	0.2	6130579
Be 313.042	4.37168	ug/L	0.011017	0.3	19267.8
Ca 373.690	8.86507	ug/L	0.305164	3.4	140.869
Cd 214.439	5.35659	ug/L	0.035154	0.7	377.952
Co 228.615	0.720136	ug/L	0.052889	7.3	39.3250
Cr 267.716	109.454	ug/L	0.588330	0.5	7752.46
Cu 327.395	0.012913uv	ug/L	0.090365	699.8	197.757
Fe 273.955	0.255378	ug/L	0.423699	165.9	69.6414
K 404.721	517.062	ug/L	277.152	53.6	25.1338
Li 610.365	-0.079300uv	ug/L	0.005916	7.5	54.7578
Mg 279.078	1.16419	ug/L	0.730780	62.8	33.3066
Mn 257.610	0.061154	ug/L	0.025202	41.2	79.5334
Mo 202.032	0.104410	ug/L	0.082955	79.5	18.3423
Na 330.237	27.1930uv	ug/L	11.4113	42.0	-5.53467
Ni 216.555	115.560	ug/L	0.318137	0.3	1627.99
Pb 220.353	17.1856	ug/L	0.304509	1.8	160.177
Sb 217.582	5.35091	ug/L	0.848541	15.9	23.4684

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Se 196.026	50.2702	ug/L	0.143483	0.3	52.3157
Si 251.611	1.54131	ug/L	1.54734	100.4	63.0779
Si 288.158	0.265815uv	ug/L	0.910655	342.6	492.542
Sn 189.925	-0.746434uv	ug/L	0.398701	53.4	4.50539
Sr 421.552	0.032280	ug/L	0.000621	1.9	158.010
Ti 336.122	0.012897uv	ug/L	0.054905	425.7	59.7329
Tl 190.794	2.21364	ug/L	0.741225	33.5	6.47626
V 292.401	52.6728	ug/L	0.248198	0.5	3005.74
Zn 202.548	984.183	ug/L	0.569086	0.1	50834.6
Zr 339.198	0.051533uv	ug/L	0.115264	223.7	5.66138

CCV (CCV) **12/2/2011, 4:57:40 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1026.82	ug/L	0.271121	0.0	11952.6	102.68182
Al 237.312	5333.39	ug/L	4.35658	0.1	25354.7	106.66773
As 188.980	1034.91	ug/L	2.01161	0.2	1899.40	103.49084
B 249.678	1005.30	ug/L	10.6211	1.1	34548.9	100.52951
Ba 493.408	1023.82	ug/L	0.558210	0.1	2704399	102.38157
Be 313.042	1028.79	ug/L	18.8347	1.8	4494782	102.87923
Ca 373.690	21107.7	ug/L	20.1967	0.1	183829	105.53829
Cd 214.439	1037.14	ug/L	1.82612	0.2	71857.5	103.71384
Co 228.615	1033.28	ug/L	0.794632	0.1	14827.3	103.32827
Cr 267.716	1026.60	ug/L	4.65826	0.5	72111.0	102.65967
Cu 327.395	1020.77	ug/L	0.181567	0.0	76934.8	102.07665
Fe 273.955	5301.36	ug/L	12.6437	0.2	125632	106.02724
K 404.721	20032.8	ug/L	50.3703	0.3	567.380	100.16381
Li 610.365	5105.43	ug/L	20.3939	0.4	657988	102.10855
Mg 279.078	21305.6	ug/L	19.7078	0.1	165953	106.52805
Mn 257.610	1026.50	ug/L	1.00913	0.1	435173	102.65018
Mo 202.032	1030.46	ug/L	17.7626	1.7	12543.3	103.04639
Na 330.237	20883.0	ug/L	60.2698	0.3	5755.94	104.41484
Ni 216.555	1028.99	ug/L	1.45073	0.1	14461.9	102.89929
Pb 220.353	1036.33	ug/L	1.26204	0.1	8664.65	103.63289
Sb 217.582	1034.54	ug/L	5.88266	0.6	2461.53	103.45412
Se 196.026	1028.44	ug/L	3.62988	0.4	980.697	102.84361
Si 251.611	1095.94	ug/L	21.8286	2.0	7732.40	109.59387
Si 288.158	1093.68	ug/L	16.9245	1.5	18122.3	109.36790
Sn 189.925	1043.90	ug/L	4.05507	0.4	2962.60	104.39032
Sr 421.552	1028.04	ug/L	0.523252	0.1	3263335	102.80444
Ti 336.122	1034.09	ug/L	0.776160	0.1	345527	103.40900
Tl 190.794	1031.11	ug/L	1.36087	0.1	1708.70	103.11113
V 292.401	1034.08	ug/L	1.01655	0.1	58360.4	103.40773
Zn 202.548	1033.89	ug/L	2.95799	0.3	53864.3	103.38926
Zr 339.198	1017.39	ug/L	12.6177	1.2	74248.5	101.73930

CCB (CCB) **12/2/2011, 5:00:37 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.116687uv	ug/L	0.052472	45.0	-3.05566	-0.11669
Al 237.312	2.50292	ug/L	0.892428	35.7	28.3910	2.50292

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	2.00661	ug/L	0.252944	12.6	7.76115	2.00661
B 249.678	24.1811	ug/L	2.68019	11.1	929.703	24.18114
Ba 493.408	0.161674	ug/L	0.030051	18.6	654.289	0.16167
Be 313.042	0.099907	ug/L	0.012348	12.4	577.919	0.09991
Ca 373.690	4.25443	ug/L	0.865772	20.3	100.134	4.25443
Cd 214.439	0.123231	ug/L	0.009695	7.9	15.5640	0.12323
Co 228.615	0.633726	ug/L	0.149709	23.6	37.8522	0.63373
Cr 267.716	-0.180989uv	ug/L	0.064398	35.6	59.0160	-0.18099
Cu 327.395	0.131552	ug/L	0.075938	57.7	206.673	0.13155
Fe 273.955	3.23733	ug/L	0.297120	9.2	139.066	3.23733
K 404.721	344.557	ug/L	16.0871	4.7	16.2734	344.55652
Li 610.365	-0.388186uv	ug/L	0.012089	3.1	14.9531	-0.38819
Mg 279.078	2.19645	ug/L	0.628323	28.6	41.5867	2.19645
Mn 257.610	0.169809	ug/L	0.029876	17.6	125.565	0.16981
Mo 202.032	14.6253	ug/L	0.673479	4.6	194.857	14.62533
Na 330.237	-44.6144uv	ug/L	36.8574	82.6	11.5269	-44.61436
Ni 216.555	0.248046	ug/L	0.151018	60.9	15.0925	0.24805
Pb 220.353	-0.017938uv	ug/L	1.24533	6942.4	16.6108	-0.01794
Sb 217.582	-1.14806uv	ug/L	0.025653	2.2	8.07733	-1.14806
Se 196.026	0.921359	ug/L	0.698243	75.8	5.52802	0.92136
Si 251.611	3.71006	ug/L	1.18866	32.0	76.5445	3.71006
Si 288.158	3.55793	ug/L	0.224855	6.3	541.709	3.55793
Sn 189.925	1.07494	ug/L	0.084653	7.9	9.66231	1.07494
Sr 421.552	0.124159	ug/L	0.014046	11.3	449.057	0.12416
Ti 336.122	0.752115	ug/L	0.039601	5.3	306.692	0.75211
Tl 190.794	1.45367	ug/L	0.010464	0.7	5.02313	1.45367
V 292.401	0.018379	ug/L	0.006989	38.0	40.2979	0.01838
Zn 202.548	0.107951	ug/L	0.074373	68.9	38.4768	0.10795
Zr 339.198	0.679236	ug/L	0.217508	32.0	51.4697	0.67924

MB 360-84222/1-A (Samp) **12/2/2011, 5:33:57 PM** **Rack 2, Tube 12**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.127960uv	ug/L	0.318027	248.5	-2.78442
Al 237.312	10.6879	ug/L	1.30668	12.2	68.2488
As 188.980	-0.724841uv	ug/L	0.017209	2.4	2.76154
B 249.678	5.05601	ug/L	0.687169	13.6	278.595
Ba 493.408	1.26012	ug/L	0.012725	1.0	3555.57
Be 313.042	0.004624	ug/L	0.001725	37.3	162.302
Ca 373.690	194.315	ug/L	0.983536	0.5	1817.24
Cd 214.439	0.156357	ug/L	0.015706	10.0	18.0592
Co 228.615	0.496053	ug/L	0.206871	41.7	35.9715
Cr 267.716	1.14673	ug/L	0.077968	6.8	152.186
Cu 327.395	1.26709	ug/L	0.031886	2.5	292.001
Fe 273.955	99.3140	ug/L	0.575619	0.6	2485.91
K 404.721	856.262	ug/L	572.757	66.9	30.3076
Li 610.365	-0.252634uv	ug/L	0.035195	13.9	32.4258
Mg 279.078	61.7440	ug/L	0.910135	1.5	519.081
Mn 257.610	1.59773	ug/L	0.039047	2.4	731.435
Mo 202.032	-0.326647uv	ug/L	0.137596	42.1	13.1028
Na 330.237	123.237	ug/L	3.20575	2.6	57.6226
Ni 216.555	0.961471	ug/L	0.135443	14.1	25.0624
Pb 220.353	0.084214uv	ug/L	0.347258	412.4	17.4559

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sb 217.582	-1.32425uv	ug/L	1.59900	120.7	7.66064
Se 196.026	0.421561uv	ug/L	0.665537	157.9	5.05446
Si 251.611	29.8002	ug/L	3.97239	13.3	248.691
Si 288.158	26.7020	ug/L	3.77073	14.1	905.822
Sn 189.925	28.2015	ug/L	0.692581	2.5	86.4673
Sr 421.552	0.628157	ug/L	0.005501	0.9	2065.55
Ti 336.122	1.06123	ug/L	0.031498	3.0	409.962
Tl 190.794	-0.008159uv	ug/L	0.098295	1204.8	2.61792
V 292.401	-0.043678uv	ug/L	0.164010	375.5	37.1936
Zn 202.548	7.84969	ug/L	0.086290	1.1	438.755
Zr 339.198	0.751997	ug/L	0.139838	18.6	56.7781

CCV (CCV) **12/2/2011, 5:36:53 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	968.473	ug/L	2.72860	0.3	11276.0	96.84734
Al 237.312	4993.75	ug/L	32.9713	0.7	23779.5	99.87502
As 188.980	980.776	ug/L	4.37963	0.4	1800.26	98.07759
B 249.678	931.424	ug/L	16.1240	1.7	32018.7	93.14240
Ba 493.408	965.607	ug/L	4.12068	0.4	2550653	96.56066
Be 313.042	998.084	ug/L	1.59146	0.2	4360605	99.80836
Ca 373.690	19996.4	ug/L	78.5883	0.4	174451	99.98194
Cd 214.439	986.075	ug/L	4.94414	0.5	68319.9	98.60754
Co 228.615	978.583	ug/L	4.68510	0.5	14043.6	97.85827
Cr 267.716	976.522	ug/L	5.46476	0.6	68597.1	97.65221
Cu 327.395	957.411	ug/L	1.30930	0.1	72172.3	95.74113
Fe 273.955	5005.68	ug/L	32.7527	0.7	118840	100.11352
K 404.721	20170.3	ug/L	380.821	1.9	571.152	100.85160
Li 610.365	4926.53	ug/L	2.07126	0.0	634935	98.53066
Mg 279.078	20255.6	ug/L	105.081	0.5	158004	101.27817
Mn 257.610	970.933	ug/L	5.11012	0.5	411621	97.09328
Mo 202.032	972.633	ug/L	20.8943	2.1	11840.4	97.26329
Na 330.237	20480.2	ug/L	43.4815	0.2	5646.33	102.40102
Ni 216.555	978.401	ug/L	3.56428	0.4	13751.2	97.84011
Pb 220.353	985.659	ug/L	3.91149	0.4	8241.83	98.56587
Sb 217.582	969.868	ug/L	8.53992	0.9	2308.37	96.98676
Se 196.026	967.815	ug/L	8.74017	0.9	923.169	96.78151
Si 251.611	992.277	ug/L	20.7234	2.1	7021.25	99.22772
Si 288.158	988.655	ug/L	14.3217	1.4	16443.6	98.86546
Sn 189.925	988.066	ug/L	10.0672	1.0	2804.49	98.80658
Sr 421.552	970.780	ug/L	5.96496	0.6	3081570	97.07796
Ti 336.122	971.884	ug/L	7.03607	0.7	324745	97.18839
Tl 190.794	979.405	ug/L	2.09931	0.2	1623.12	97.94047
V 292.401	977.058	ug/L	5.18159	0.5	55144.5	97.70585
Zn 202.548	986.484	ug/L	4.94914	0.5	51388.6	98.64842
Zr 339.198	974.396	ug/L	19.3451	2.0	71110.7	97.43964

CCB (CCB) **12/2/2011, 5:39:49 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.477088	ug/L	0.099161	20.8	3.67969	0.47709
Al 237.312	1.28582	ug/L	0.632544	49.2	22.4624	1.28582
As 188.980	1.21281	ug/L	1.07999	89.0	6.30794	1.21281
B 249.678	21.2108	ug/L	3.26135	15.4	828.278	21.21079
Ba 493.408	0.173126	ug/L	0.043650	25.2	684.539	0.17313
Be 313.042	0.117236	ug/L	0.017044	14.5	653.679	0.11724
Ca 373.690	4.32526	ug/L	0.462738	10.7	100.634	4.32526
Cd 214.439	0.118663	ug/L	0.081187	68.4	15.2462	0.11866
Co 228.615	0.429261	ug/L	0.153777	35.8	34.9271	0.42926
Cr 267.716	-0.177001uv	ug/L	0.068972	39.0	59.2959	-0.17700
Cu 327.395	0.263680	ug/L	0.095088	36.1	216.596	0.26368
Fe 273.955	2.49372	ug/L	0.226667	9.1	120.892	2.49372
K 404.721	912.013	ug/L	602.876	66.1	31.8262	912.01337
Li 610.365	-0.413223uv	ug/L	0.028464	6.9	11.7266	-0.41322
Mg 279.078	3.66941	ug/L	1.39012	37.9	53.3938	3.66941
Mn 257.610	0.242166	ug/L	0.050886	21.0	156.237	0.24217
Mo 202.032	13.3195	ug/L	0.586886	4.4	178.984	13.31950
Na 330.237	-38.4973uv	ug/L	8.65278	22.5	13.2192	-38.49732
Ni 216.555	0.225042	ug/L	0.110373	49.0	14.6975	0.22504
Pb 220.353	0.357893	ug/L	0.063736	17.8	19.7472	0.35789
Sb 217.582	0.478978	ug/L	0.546695	114.1	11.9260	0.47898
Se 196.026	2.09076	ug/L	1.42917	68.4	6.63681	2.09076
Si 251.611	1.96164	ug/L	1.32190	67.4	65.2297	1.96164
Si 288.158	0.236301uv	ug/L	2.27986	964.8	490.083	0.23630
Sn 189.925	0.401454	ug/L	0.545154	135.8	7.75547	0.40145
Sr 421.552	0.133228	ug/L	0.021696	16.3	477.825	0.13323
Ti 336.122	0.624922	ug/L	0.105332	16.9	264.199	0.62492
Tl 190.794	1.70498	ug/L	0.815851	47.9	5.43581	1.70498
V 292.401	0.143246	ug/L	0.097493	68.1	47.3240	0.14325
Zn 202.548	0.064346	ug/L	0.003891	6.0	36.2853	0.06435
Zr 339.198	0.568021	ug/L	0.109686	19.3	43.3535	0.56802

LCSSRM 360-84222/2-A (Samp) 12/2/2011, 5:42:45 PM Rack 2, Tube 13

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	557.251b	ug/L	4.24488	0.8	7054.02
Al 237.312	136076b	ug/L	589.042	0.4	523190
As 188.980	817.344b	ug/L	0.837963	0.1	1502.06
B 249.678	877.746b	ug/L	13.3701	1.5	30336.1
Ba 493.408	6110.11b	ug/L	24.0019	0.4	16138680
Be 313.042	746.321b	ug/L	2.38070	0.3	3261560
Ca 373.690	325831b	ug/L	2125.54	0.7	2199416
Cd 214.439	891.626b	ug/L	3.32177	0.4	62084.6
Co 228.615	1734.24b	ug/L	8.54113	0.5	24987.5
Cr 267.716	2450.70b	ug/L	12.6994	0.5	172045
Cu 327.395	1410.79b	ug/L	10.6506	0.8	106265
Fe 273.955	210302b	ug/L	1062.90	0.5	3722097
K 404.721	48171.9b	ug/L	287.572	0.6	1408.54
Li 610.365	483.338b	ug/L	1.22594	0.3	62356.5
Mg 279.078	47547.0b	ug/L	213.889	0.4	357104
Mn 257.610	3774.97b	ug/L	16.5157	0.4	1599600
Mo 202.032	1577.68b	ug/L	23.9906	1.5	19195.8
Na 330.237	40435.6b	ug/L	145.034	0.4	10987.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ni 216.555	1562.17b	ug/L	5.32160	0.3	22228.4
Pb 220.353	2148.03b	ug/L	7.75314	0.4	17930.7
Sb 217.582	218.811b	ug/L	3.93868	1.8	531.447
Se 196.026	1235.29b	ug/L	9.80645	0.8	1177.81
Si 251.611	2290.71b	ug/L	22.2521	1.0	15765.7
Si 288.158	2278.94b	ug/L	17.0455	0.7	36434.8
Sn 189.925	1246.16b	ug/L	7.76937	0.6	3535.67
Sr 421.552	2227.95b	ug/L	12.3214	0.6	7090654
Ti 336.122	2079.96b	ug/L	12.8831	0.6	694934
Tl 190.794	2260.06b	ug/L	22.6367	1.0	3737.02
V 292.401	1146.80b	ug/L	6.82593	0.6	65227.1
Zn 202.548	5576.41b	ug/L	17.8876	0.3	288759
Zr 339.198	154.765b	ug/L	1.72335	1.1	11295.1

LCDSRM 360-84222/3-A (Samp) 12/2/2011, 5:45:42 PM Rack 2, Tube 14
Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	531.332b	ug/L	1.75258	0.3	6752.10
Al 237.312	136356b	ug/L	516.751	0.4	524236
As 188.980	786.065b	ug/L	1.99426	0.3	1444.77
B 249.678	864.320b	ug/L	8.68446	1.0	29863.9
Ba 493.408	6035.30b	ug/L	31.0271	0.5	15941090
Be 313.042	727.083b	ug/L	1.98019	0.3	3177488
Ca 373.690	309623b	ug/L	1002.92	0.3	2097833
Cd 214.439	867.919b	ug/L	1.30295	0.2	60446.0
Co 228.615	1706.12b	ug/L	4.32568	0.3	24591.4
Cr 267.716	2423.97b	ug/L	7.61780	0.3	170169
Cu 327.395	1361.07b	ug/L	4.74475	0.3	102528
Fe 273.955	212979b	ug/L	981.597	0.5	3768334
K 404.721	48809.4b	ug/L	1056.74	2.2	1427.59
Li 610.365	485.152b	ug/L	1.32006	0.3	62590.3
Mg 279.078	47020.4b	ug/L	140.234	0.3	353420
Mn 257.610	3729.03b	ug/L	8.79568	0.2	1580134
Mo 202.032	1589.68b	ug/L	21.2667	1.3	19341.6
Na 330.237	40745.1b	ug/L	184.530	0.5	11074.3
Ni 216.555	1556.17b	ug/L	4.59438	0.3	22146.7
Pb 220.353	2151.12b	ug/L	3.15954	0.1	17956.3
Sb 217.582	225.676b	ug/L	0.991941	0.4	547.605
Se 196.026	1187.88b	ug/L	3.30196	0.3	1132.79
Si 251.611	2048.07b	ug/L	5.97985	0.3	14200.6
Si 288.158	2046.84b	ug/L	18.9010	0.9	32785.6
Sn 189.925	1225.89b	ug/L	8.22814	0.7	3478.28
Sr 421.552	2208.29b	ug/L	9.23037	0.4	7027290
Ti 336.122	2205.03b	ug/L	13.3857	0.6	736718
Tl 190.794	2272.22b	ug/L	19.9131	0.9	3756.78
V 292.401	1130.64b	ug/L	2.64941	0.2	64307.1
Zn 202.548	5552.40b	ug/L	5.44072	0.1	287500
Zr 339.198	101.814b	ug/L	3.02464	3.0	7430.90

360-37847-A-2-D (Samp) **12/2/2011, 5:48:39 PM** **Rack 2, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-9.20872uv	ug/L	0.036919	0.4	-5.32593
Al 237.312	115141	ug/L	740.871	0.6	444866
As 188.980	21.0771	ug/L	1.15063	5.5	42.8749
B 249.678	96.4499	ug/L	2.64644	2.7	3526.12
Ba 493.408	1550.46	ug/L	9.06404	0.6	4095419
Be 313.042	5.28931	ug/L	0.015659	0.3	23714.9
Ca 373.690	13576.6	ug/L	87.5127	0.6	152273
Cd 214.439	-0.567023	ug/L	0.123591	21.8	361.494
Co 228.615	80.8858	ug/L	0.583981	0.7	1467.96
Cr 267.716	299.590	ug/L	2.06942	0.7	21094.8
Cu 327.395	190.292	ug/L	1.19301	0.6	14499.8
Fe 273.955	268517	ug/L	1439.98	0.5	4727541
K 404.721	22367.4	ug/L	226.465	1.0	651.349
Li 610.365	189.161	ug/L	0.783281	0.4	24449.0
Mg 279.078	59711.1	ug/L	342.607	0.6	440639
Mn 257.610	10050.0	ug/L	30.4394	0.3	4257250
Mo 202.032	19.9344	ug/L	0.573283	2.9	259.437
Na 330.237	562.901	ug/L	14.7270	2.6	158.557
Ni 216.555	2180.94	ug/L	9.42959	0.4	30898.0
Pb 220.353	67.8383	ug/L	0.559457	0.8	568.010
Sb 217.582	1.07434uv	ug/L	1.96229	182.7	13.3503
Se 196.026	-9.31526uv	ug/L	1.32274	14.2	3.65137
Si 251.611	2228.77	ug/L	17.2299	0.8	15819.0
Si 288.158	2325.95	ug/L	19.4834	0.8	37083.8
Sn 189.925	15.6354	ug/L	0.307142	2.0	51.8399
Sr 421.552	272.880	ug/L	2.55148	0.9	867710
Ti 336.122	3898.28	ug/L	36.3841	0.9	1302402
Tl 190.794	11.5505	ug/L	0.001600	0.0	23.3974
V 292.401	345.384	ug/L	2.48922	0.7	19855.5
Zn 202.548	545.252	ug/L	10.2182	1.9	28582.6
Zr 339.198	34.4558	ug/L	1.78643	5.2	2514.93

360-37847-A-2-E MS (Samp) **12/2/2011, 5:51:36 PM** **Rack 2, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	851.306	ug/L	6.95842	0.8	10022.7
Al 237.312	137286	ug/L	1205.74	0.9	527714
As 188.980	885.117	ug/L	7.93596	0.9	1625.28
B 249.678	912.463	ug/L	13.7335	1.5	31496.0
Ba 493.408	2525.66	ug/L	24.9492	1.0	6671161
Be 313.042	898.727	ug/L	9.89117	1.1	3926975
Ca 373.690	33167.1	ug/L	350.581	1.1	311357
Cd 214.439	863.198	ug/L	5.02087	0.6	60167.6
Co 228.615	953.791	ug/L	7.36450	0.8	13953.6
Cr 267.716	1190.48	ug/L	10.5855	0.9	83610.8
Cu 327.395	1081.86	ug/L	7.55306	0.7	81523.9
Fe 273.955	251324	ug/L	522.585	0.2	4430604
K 404.721	48067.4	ug/L	699.050	1.5	1401.17
Li 610.365	4209.35	ug/L	22.0888	0.5	542521
Mg 279.078	86120.0	ug/L	669.420	0.8	610901

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	12160.4	ug/L	110.555	0.9	5151402
Mo 202.032	883.906	ug/L	17.6995	2.0	10761.8
Na 330.237	17340.6	ug/L	55.2648	0.3	4760.46
Ni 216.555	3254.55	ug/L	17.8311	0.5	45917.9
Pb 220.353	907.748	ug/L	5.42125	0.6	7578.09
Sb 217.582	280.412	ug/L	5.96110	2.1	677.069
Se 196.026	784.620	ug/L	3.12350	0.4	758.674
Si 251.611	3289.78	ug/L	17.1473	0.5	23071.2
Si 288.158	3388.33	ug/L	2.35248	0.1	53915.8
Sn 189.925	862.960	ug/L	10.5349	1.2	2451.26
Sr 421.552	1106.14	ug/L	7.94459	0.7	3512705
Ti 336.122	4660.02	ug/L	42.2006	0.9	1556885
Tl 190.794	809.873	ug/L	13.6873	1.7	1344.82
V 292.401	1168.01	ug/L	11.0930	0.9	66235.8
Zn 202.548	1461.65	ug/L	10.4376	0.7	76263.2
Zr 339.198	881.699	ug/L	38.2122	4.3	64344.4

360-37847-A-2-F MSD (Samp) **12/2/2011, 5:54:32 PM** **Rack 2, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	840.340	ug/L	8.41342	1.0	9950.52
Al 237.312	135439	ug/L	1525.73	1.1	520803
As 188.980	893.067	ug/L	9.07767	1.0	1639.95
B 249.678	903.946	ug/L	18.4783	2.0	31212.5
Ba 493.408	2310.41	ug/L	26.5022	1.1	6102637
Be 313.042	891.078	ug/L	12.9738	1.5	3893681
Ca 373.690	38872.6	ug/L	612.026	1.6	362039
Cd 214.439	850.735	ug/L	8.60837	1.0	59377.9
Co 228.615	937.793	ug/L	11.2967	1.2	13778.1
Cr 267.716	1353.86	ug/L	17.7980	1.3	95075.9
Cu 327.395	1125.60	ug/L	7.97135	0.7	84810.5
Fe 273.955	302426	ug/L	4168.28	1.4	5313259
K 404.721	40267.4	ug/L	491.191	1.2	1173.24
Li 610.365	4174.56	ug/L	44.4262	1.1	538039
Mg 279.078	97261.5	ug/L	1383.06	1.4	678276
Mn 257.610	10813.9	ug/L	178.451	1.7	4581332
Mo 202.032	907.205	ug/L	19.6630	2.2	11045.1
Na 330.237	17069.2	ug/L	199.069	1.2	4685.13
Ni 216.555	4050.61	ug/L	38.9275	1.0	57111.4
Pb 220.353	884.318	ug/L	9.15398	1.0	7379.79
Sb 217.582	322.242	ug/L	7.75094	2.4	775.979
Se 196.026	784.637	ug/L	11.8484	1.5	756.876
Si 251.611	3349.36	ug/L	20.5686	0.6	23662.3
Si 288.158	3472.67	ug/L	20.7293	0.6	55260.0
Sn 189.925	865.897	ug/L	9.44642	1.1	2459.72
Sr 421.552	1161.65	ug/L	16.6719	1.4	3689381
Ti 336.122	5359.57	ug/L	76.9041	1.4	1790592
Tl 190.794	793.640	ug/L	12.1256	1.5	1318.48
V 292.401	1287.81	ug/L	17.8196	1.4	73053.5
Zn 202.548	1468.67	ug/L	9.14604	0.6	76704.5
Zr 339.198	1000.90	ug/L	5.53679	0.6	73043.3

360-37847-A-2-D sd (Samp) **12/2/2011, 5:57:29 PM** **Rack 2, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-1.81459	ug/L	0.013818	0.8	-0.933105
Al 237.312	21648.9	ug/L	212.990	1.0	94862.9
As 188.980	5.99952	ug/L	0.328324	5.5	15.1135
B 249.678	42.9672	ug/L	2.54971	5.9	1599.07
Ba 493.408	355.354	ug/L	2.65441	0.7	938813
Be 313.042	1.13939	ug/L	0.014542	1.3	5218.16
Ca 373.690	2891.16	ug/L	35.3405	1.2	33413.8
Cd 214.439	-0.148929	ug/L	0.049003	32.9	83.4902
Co 228.615	18.1618	ug/L	0.115538	0.6	350.385
Cr 267.716	63.1295	ug/L	0.561882	0.9	4501.69
Cu 327.395	39.7684	ug/L	0.133912	0.3	3185.94
Fe 273.955	55152.3	ug/L	535.247	1.0	1042272
K 404.721	4822.29	ug/L	251.432	5.2	143.685
Li 610.365	32.8523	ug/L	0.563330	1.7	4300.14
Mg 279.078	12005.2	ug/L	94.6149	0.8	94784.5
Mn 257.610	2219.49	ug/L	18.9650	0.9	940226
Mo 202.032	9.25585	ug/L	0.474511	5.1	129.595
Na 330.237	-6.27179uv	ug/L	29.8237	475.5	17.6338
Ni 216.555	470.230	ug/L	2.82558	0.6	6673.17
Pb 220.353	14.4287	ug/L	0.282292	2.0	133.892
Sb 217.582	13.0147	ug/L	0.682657	5.2	41.5823
Se 196.026	-4.23592uv	ug/L	0.132670	3.1	2.36473
Si 251.611	487.225	ug/L	12.0881	2.5	3499.99
Si 288.158	503.216	ug/L	10.1357	2.0	8409.24
Sn 189.925	2.75836	ug/L	0.025380	0.9	14.6334
Sr 421.552	60.7881	ug/L	0.429633	0.7	193309
Ti 336.122	849.103	ug/L	11.0716	1.3	283726
Tl 190.794	3.27981	ug/L	0.311355	9.5	8.40118
V 292.401	72.1773	ug/L	0.519740	0.7	4183.66
Zn 202.548	117.259	ug/L	1.28088	1.1	6173.81
Zr 339.198	17.1534	ug/L	0.573795	3.3	1253.40

360-37847-A-2-D pds (Samp) **12/2/2011, 6:00:26 PM** **Rack 2, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	849.198	ug/L	6.52969	0.8	9989.15
Al 237.312	115544	ug/L	1192.88	1.0	446376
As 188.980	926.144	ug/L	6.76948	0.7	1700.37
B 249.678	930.310	ug/L	14.7942	1.6	32093.6
Ba 493.408	2281.33	ug/L	28.6371	1.3	6025839
Be 313.042	928.423	ug/L	8.37734	0.9	4056703
Ca 373.690	33127.4	ug/L	382.081	1.2	311231
Cd 214.439	888.875	ug/L	8.04507	0.9	61948.6
Co 228.615	965.496	ug/L	8.82632	0.9	14118.9
Cr 267.716	1162.49	ug/L	10.5975	0.9	81646.9
Cu 327.395	1082.16	ug/L	9.80308	0.9	81547.3
Fe 273.955	253044	ug/L	1830.46	0.7	4460320
K 404.721	41504.4	ug/L	218.734	0.5	1206.40
Li 610.365	4384.33	ug/L	26.4827	0.6	565069
Mg 279.078	76499.3	ug/L	737.695	1.0	550605

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	10096.3	ug/L	280.062	2.8	4277142
Mo 202.032	929.164	ug/L	16.8883	1.8	11312.0
Na 330.237	18038.2	ug/L	104.540	0.6	4954.28
Ni 216.555	2954.11	ug/L	23.2429	0.8	41731.3
Pb 220.353	936.556	ug/L	7.32739	0.8	7818.41
Sb 217.582	875.681	ug/L	8.09379	0.9	2085.26
Se 196.026	883.670	ug/L	10.9318	1.2	850.474
Si 251.611	3046.51	ug/L	26.3722	0.9	21546.7
Si 288.158	3128.25	ug/L	10.9299	0.3	50069.8
Sn 189.925	899.748	ug/L	10.0662	1.1	2555.29
Sr 421.552	1129.72	ug/L	11.6353	1.0	3587507
Ti 336.122	4597.58	ug/L	41.1886	0.9	1536024
Tl 190.794	848.716	ug/L	9.28816	1.1	1408.97
V 292.401	1231.51	ug/L	10.3188	0.8	69810.3
Zn 202.548	1432.71	ug/L	16.6867	1.2	74771.9
Zr 339.198	991.308	ug/L	5.84343	0.6	72343.6

360-37848-A-1-C (Samp) **12/2/2011, 6:03:23 PM** **Rack 2, Tube 20**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-7.92150uv	ug/L	0.085708	1.1	-6.48633
Al 237.312	154511	ug/L	1243.08	0.8	592148
As 188.980	40.1718	ug/L	1.75133	4.4	77.8121
B 249.678	127.658	ug/L	1.70739	1.3	4591.21
Ba 493.408	862.760	ug/L	8.25391	1.0	2279010
Be 313.042	7.98808	ug/L	0.051213	0.6	35652.8
Ca 373.690	23606.4	ug/L	246.892	1.0	244441
Cd 214.439	-1.77455	ug/L	0.066408	3.7	382.335
Co 228.615	126.672	ug/L	0.896043	0.7	2156.04
Cr 267.716	270.191	ug/L	2.27009	0.8	19031.8
Cu 327.395	381.441	ug/L	1.78926	0.5	28865.6
Fe 273.955	341054	ug/L	2782.31	0.8	5980421
K 404.721	17043.1	ug/L	18.2094	0.1	503.475
Li 610.365	253.473	ug/L	1.51320	0.6	32738.2
Mg 279.078	88785.5	ug/L	864.620	1.0	627331
Mn 257.610	6620.55	ug/L	55.9156	0.8	2805339
Mo 202.032	14.5312	ug/L	0.016723	0.1	193.781
Na 330.237	688.173	ug/L	19.4369	2.8	191.507
Ni 216.555	263.641	ug/L	2.96858	1.1	4263.15
Pb 220.353	97.5843	ug/L	1.03140	1.1	812.308
Sb 217.582	-0.726638uv	ug/L	0.126986	17.5	9.09106
Se 196.026	-6.00115uv	ug/L	2.04384	34.1	2.69302
Si 251.611	2186.44	ug/L	18.4423	0.8	15534.8
Si 288.158	2271.64	ug/L	2.86900	0.1	36228.7
Sn 189.925	17.5625	ug/L	0.204335	1.2	57.6996
Sr 421.552	110.267	ug/L	0.775367	0.7	352869
Ti 336.122	3881.88	ug/L	43.4232	1.1	1296923
Tl 190.794	4.25428	ug/L	0.790687	18.6	11.8687
V 292.401	410.423	ug/L	3.13438	0.8	23576.8
Zn 202.548	584.560	ug/L	4.05913	0.7	30781.8
Zr 339.198	105.290	ug/L	0.274762	0.3	7683.65

360-37848-A-2-C (Samp) **12/2/2011, 6:06:19 PM** **Rack 2, Tube 21**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-5.42883uv	ug/L	0.582242	10.7	-5.13818
Al 237.312	120908	ug/L	166.656	0.1	466440
As 188.980	28.5918	ug/L	0.379056	1.3	56.5545
B 249.678	100.585	ug/L	0.627496	0.6	3636.22
Ba 493.408	627.694	ug/L	0.192486	0.0	1658137
Be 313.042	5.88984	ug/L	0.002607	0.0	26320.7
Ca 373.690	14427.8	ug/L	21.3278	0.1	157926
Cd 214.439	-1.39095	ug/L	0.001662	0.1	285.897
Co 228.615	89.1399	ug/L	0.395153	0.4	1553.40
Cr 267.716	183.734	ug/L	0.475303	0.3	12964.9
Cu 327.395	256.785	ug/L	0.435187	0.2	19496.7
Fe 273.955	255655	ug/L	794.954	0.3	4505401
K 404.721	14192.2	ug/L	56.8620	0.4	417.443
Li 610.365	254.464	ug/L	0.708822	0.3	32863.8
Mg 279.078	61998.7	ug/L	173.973	0.3	455970
Mn 257.610	5077.16	ug/L	12.3505	0.2	2151307
Mo 202.032	42.4260	ug/L	1.37004	3.2	532.843
Na 330.237	1712.87	ug/L	18.0926	1.1	481.393
Ni 216.555	184.250	ug/L	1.72383	0.9	3013.90
Pb 220.353	67.5227	ug/L	1.31924	2.0	566.079
Sb 217.582	0.058492uv	ug/L	2.16328	3698.4	10.9436
Se 196.026	-6.89413uv	ug/L	2.56569	37.2	1.01785
Si 251.611	1669.01	ug/L	7.16455	0.4	11957.1
Si 288.158	1769.56	ug/L	6.67712	0.4	28329.0
Sn 189.925	16.6475	ug/L	1.78100	10.7	54.7385
Sr 421.552	80.8585	ug/L	0.093190	0.1	258517
Ti 336.122	3278.66	ug/L	2.29033	0.1	1095396
Tl 190.794	1.52842	ug/L	0.734327	48.0	6.77740
V 292.401	309.462	ug/L	0.415680	0.1	17797.0
Zn 202.548	410.790	ug/L	3.98373	1.0	21656.6
Zr 339.198	77.4870	ug/L	0.454711	0.6	5655.21

360-37848-B-3-A (Samp) **12/2/2011, 6:09:16 PM** **Rack 2, Tube 22**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-4.76188uv	ug/L	0.613409	12.9	1.90186
Al 237.312	112601	ug/L	471.005	0.4	435362
As 188.980	27.4389	ug/L	1.06788	3.9	54.4426
B 249.678	88.0376	ug/L	2.03324	2.3	3207.47
Ba 493.408	623.531	ug/L	2.77927	0.4	1647141
Be 313.042	5.73169	ug/L	0.025971	0.5	25612.2
Ca 373.690	11764.5	ug/L	46.7029	0.4	135104
Cd 214.439	-1.43133	ug/L	0.029324	2.0	280.772
Co 228.615	83.8362	ug/L	0.470281	0.6	1479.80
Cr 267.716	182.062	ug/L	1.06282	0.6	12847.6
Cu 327.395	233.356	ug/L	1.51880	0.7	17735.9
Fe 273.955	254100	ug/L	5740.64	2.3	4478542
K 404.721	13706.7	ug/L	739.082	5.4	403.710
Li 610.365	177.361	ug/L	1.14432	0.6	22927.7
Mg 279.078	59125.6	ug/L	282.514	0.5	436680

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	5188.20	ug/L	20.0897	0.4	2198287
Mo 202.032	5.20032	ug/L	0.535656	10.3	80.3235
Na 330.237	2131.32	ug/L	22.3528	1.0	597.674
Ni 216.555	179.339	ug/L	1.80145	1.0	2942.73
Pb 220.353	67.2338	ug/L	0.250950	0.4	563.752
Sb 217.582	-1.31864uv	ug/L	2.24166	170.0	7.68555
Se 196.026	-6.63509uv	ug/L	1.26675	19.1	1.39325
Si 251.611	1660.04	ug/L	10.0996	0.6	11922.2
Si 288.158	1759.68	ug/L	3.80899	0.2	28173.3
Sn 189.925	19.0038	ug/L	1.29156	6.8	61.3683
Sr 421.552	68.9423	ug/L	0.260747	0.4	220437
Ti 336.122	3367.68	ug/L	13.9227	0.4	1125135
Tl 190.794	1.41041	ug/L	2.00393	142.1	6.52661
V 292.401	304.175	ug/L	1.41260	0.5	17497.6
Zn 202.548	394.129	ug/L	4.34469	1.1	20784.3
Zr 339.198	67.3615	ug/L	0.720707	1.1	4916.33

CCV (CCV) **12/2/2011, 6:12:12 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	973.441	ug/L	2.81574	0.3	11333.6	97.34411
Al 237.312	5032.00	ug/L	19.0435	0.4	23957.2	100.64006
As 188.980	983.890	ug/L	6.53974	0.7	1805.97	98.38905
B 249.678	943.741	ug/L	15.2299	1.6	32439.2	94.37406
Ba 493.408	973.150	ug/L	4.15680	0.4	2570579	97.31504
Be 313.042	978.913	ug/L	43.2547	4.4	4276866	97.89126
Ca 373.690	20125.0	ug/L	84.4357	0.4	175541	100.62483
Cd 214.439	991.249	ug/L	3.87290	0.4	68678.3	99.12486
Co 228.615	984.188	ug/L	4.11122	0.4	14124.1	98.41877
Cr 267.716	980.629	ug/L	5.64939	0.6	68885.3	98.06288
Cu 327.395	968.863	ug/L	6.81980	0.7	73033.0	96.88629
Fe 273.955	5056.31	ug/L	20.5845	0.4	120005	101.12628
K 404.721	20093.7	ug/L	71.1540	0.4	568.996	100.46860
Li 610.365	4949.61	ug/L	13.5286	0.3	637909	98.99223
Mg 279.078	20391.5	ug/L	91.7291	0.4	159035	101.95763
Mn 257.610	974.828	ug/L	3.98257	0.4	413273	97.48281
Mo 202.032	984.235	ug/L	17.9285	1.8	11981.4	98.42353
Na 330.237	20564.3	ug/L	26.3480	0.1	5669.24	102.82165
Ni 216.555	979.593	ug/L	9.14487	0.9	13768.3	97.95927
Pb 220.353	993.543	ug/L	3.17542	0.3	8307.62	99.35432
Sb 217.582	979.393	ug/L	4.02378	0.4	2330.92	97.93926
Se 196.026	974.202	ug/L	6.24774	0.6	929.228	97.42021
Si 251.611	989.420	ug/L	13.2070	1.3	7007.13	98.94205
Si 288.158	988.155	ug/L	14.9802	1.5	16439.6	98.81552
Sn 189.925	992.083	ug/L	6.72369	0.7	2815.87	99.20831
Sr 421.552	975.156	ug/L	4.01084	0.4	3095463	97.51556
Ti 336.122	983.571	ug/L	8.47138	0.9	328649	98.35706
Tl 190.794	988.036	ug/L	1.51861	0.2	1637.38	98.80358
V 292.401	983.352	ug/L	5.25009	0.5	55499.7	98.33525
Zn 202.548	993.656	ug/L	2.69757	0.3	51764.2	99.36565
Zr 339.198	998.839	ug/L	4.19305	0.4	72894.5	99.88387

CCB (CCB) **12/2/2011, 6:15:09 PM** **Rack 4, Tube 4**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1.16925	ug/L	0.016892	1.4	11.5471	1.16925
Al 237.312	2.93888	ug/L	2.47747	84.3	30.5137	2.93888
As 188.980	1.61466	ug/L	0.591180	36.6	7.04364	1.61466
B 249.678	26.5755	ug/L	3.25885	12.3	1011.36	26.57548
Ba 493.408	0.203364	ug/L	0.032050	15.8	764.406	0.20336
Be 313.042	0.137059	ug/L	0.014403	10.5	740.260	0.13706
Ca 373.690	4.24457	ug/L	0.136853	3.2	100.540	4.24457
Cd 214.439	0.128893	ug/L	0.011794	9.2	15.9619	0.12889
Co 228.615	0.575997	ug/L	0.088837	15.4	37.0363	0.57600
Cr 267.716	-0.127179uv	ug/L	0.023027	18.1	62.7920	-0.12718
Cu 327.395	0.270262	ug/L	0.113558	42.0	217.095	0.27026
Fe 273.955	5.98425	ug/L	0.288809	4.8	206.201	5.98425
K 404.721	491.165	ug/L	375.603	76.5	20.2910	491.16467
Li 610.365	-0.459543uv	ug/L	0.070389	15.3	5.75781	-0.45954
Mg 279.078	4.16340	ug/L	0.753139	18.1	57.3596	4.16340
Mn 257.610	0.235173	ug/L	0.019080	8.1	153.286	0.23517
Mo 202.032	13.4926	ug/L	0.596613	4.4	181.088	13.49263
Na 330.237	-43.3383uv	ug/L	15.3716	35.5	11.8789	-43.33830
Ni 216.555	0.095047uv	ug/L	0.216157	227.4	12.9313	0.09505
Pb 220.353	0.227263uv	ug/L	0.538280	236.9	18.6568	0.22726
Sb 217.582	0.923589	ug/L	0.845257	91.5	12.9778	0.92359
Se 196.026	1.72536	ug/L	2.31457	134.1	6.29033	1.72536
Si 251.611	3.11552	ug/L	1.64532	52.8	73.0286	3.11552
Si 288.158	0.638790	ug/L	0.591224	92.6	496.662	0.63879
Sn 189.925	0.135929uv	ug/L	0.299849	220.6	7.00369	0.13593
Sr 421.552	0.155324	ug/L	0.025456	16.4	547.921	0.15532
Ti 336.122	0.958314	ug/L	0.009857	1.0	375.580	0.95831
Tl 190.794	1.54134	ug/L	0.761668	49.4	5.16731	1.54134
V 292.401	0.113888	ug/L	0.113997	100.1	45.6882	0.11389
Zn 202.548	0.121811	ug/L	0.032139	26.4	39.2583	0.12181
Zr 339.198	0.625094	ug/L	0.127305	20.4	47.5186	0.62509

360-37848-A-4-C (Samp) **12/2/2011, 6:18:05 PM** **Rack 2, Tube 23**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-7.40220uv	ug/L	1.12005	15.1	-2.65234
Al 237.312	191050	ug/L	1692.45	0.9	728838
As 188.980	44.7448	ug/L	0.401262	0.9	86.1794
B 249.678	109.617	ug/L	1.95029	1.8	3976.63
Ba 493.408	829.475	ug/L	7.49588	0.9	2191093
Be 313.042	7.88730	ug/L	0.068229	0.9	35186.1
Ca 373.690	15340.3	ug/L	168.941	1.1	175390
Cd 214.439	-1.47372	ug/L	0.004033	0.3	397.268
Co 228.615	126.502	ug/L	1.40439	1.1	2155.42
Cr 267.716	263.424	ug/L	2.23932	0.9	18556.9
Cu 327.395	368.554	ug/L	2.25658	0.6	27897.1
Fe 273.955	337075	ug/L	2881.77	0.9	5911691
K 404.721	17696.6	ug/L	201.343	1.1	521.642
Li 610.365	270.978	ug/L	1.98449	0.7	34994.1
Mg 279.078	87661.0	ug/L	732.148	0.8	620448

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	6508.76	ug/L	51.8895	0.8	2757980
Mo 202.032	8.70739	ug/L	0.492732	5.7	122.971
Na 330.237	2553.83	ug/L	24.3393	1.0	707.167
Ni 216.555	256.716	ug/L	2.32378	0.9	4160.37
Pb 220.353	97.0380	ug/L	0.234420	0.2	807.964
Sb 217.582	-2.80797uv	ug/L	0.400223	14.3	4.16772
Se 196.026	-7.17216uv	ug/L	0.844775	11.8	1.49670
Si 251.611	2199.43	ug/L	21.1643	1.0	15652.5
Si 288.158	2298.16	ug/L	25.4495	1.1	36645.2
Sn 189.925	17.0934	ug/L	1.14105	6.7	56.3565
Sr 421.552	75.7541	ug/L	0.698464	0.9	242761
Ti 336.122	4000.06	ug/L	50.4722	1.3	1336402
Tl 190.794	3.65686	ug/L	1.04361	28.5	10.8108
V 292.401	394.578	ug/L	3.48025	0.9	22677.0
Zn 202.548	583.176	ug/L	8.14619	1.4	30700.0
Zr 339.198	88.7282	ug/L	1.82745	2.1	6475.01

360-37848-B-5-A (Samp) **12/2/2011, 6:21:00 PM** **Rack 2, Tube 24**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-9.25563uv	ug/L	0.241541	2.6	-13.1597
Al 237.312	208261	ug/L	2114.37	1.0	793224
As 188.980	55.9729	ug/L	1.98534	3.5	106.757
B 249.678	110.578	ug/L	1.00585	0.9	4017.44
Ba 493.408	1229.99	ug/L	10.1208	0.8	3248967
Be 313.042	9.11401	ug/L	0.071936	0.8	40639.4
Ca 373.690	21126.5	ug/L	250.520	1.2	228829
Cd 214.439	-1.99428	ug/L	0.086525	4.3	425.497
Co 228.615	145.312	ug/L	0.917946	0.6	2447.35
Cr 267.716	297.027	ug/L	2.68190	0.9	20914.9
Cu 327.395	517.521	ug/L	3.14309	0.6	39092.2
Fe 273.955	381755	ug/L	3379.00	0.9	6683425
K 404.721	18473.1	ug/L	108.838	0.6	547.131
Li 610.365	304.820	ug/L	1.71209	0.6	39355.9
Mg 279.078	102949	ug/L	869.603	0.8	711793
Mn 257.610	8672.63	ug/L	60.9224	0.7	3674594
Mo 202.032	6.24661	ug/L	0.832250	13.3	93.0676
Na 330.237	180.316	ug/L	29.6213	16.4	47.1196
Ni 216.555	284.682	ug/L	1.77964	0.6	4624.99
Pb 220.353	113.776	ug/L	1.56442	1.4	945.215
Sb 217.582	-0.210198uv	ug/L	0.605152	287.9	10.3147
Se 196.026	-10.9226uv	ug/L	0.495357	4.5	-0.266724
Si 251.611	2320.57	ug/L	16.9735	0.7	16444.5
Si 288.158	2415.65	ug/L	19.8782	0.8	38494.9
Sn 189.925	16.2417	ug/L	0.460679	2.8	54.1426
Sr 421.552	107.848	ug/L	0.959141	0.9	344980
Ti 336.122	3972.94	ug/L	45.5880	1.1	1327344
Tl 190.794	6.08498	ug/L	1.88347	31.0	15.1549
V 292.401	466.834	ug/L	4.38057	0.9	26777.5
Zn 202.548	689.418	ug/L	6.35943	0.9	36302.7
Zr 339.198	90.0348	ug/L	1.62384	1.8	6570.06

360-37848-A-6-C (Samp) **12/2/2011, 6:23:56 PM** **Rack 2, Tube 25**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-5.54511uv	ug/L	0.126127	2.3	-3.25146
Al 237.312	153736	ug/L	767.675	0.5	589247
As 188.980	34.3746	ug/L	0.327993	1.0	67.1476
B 249.678	63.0407	ug/L	1.23009	2.0	2371.26
Ba 493.408	468.127	ug/L	2.02486	0.4	1236677
Be 313.042	6.36537	ug/L	0.025929	0.4	28386.9
Ca 373.690	9153.08	ug/L	87.3429	1.0	115771
Cd 214.439	-1.71748	ug/L	0.041913	2.4	296.707
Co 228.615	103.361	ug/L	0.488547	0.5	1792.94
Cr 267.716	193.316	ug/L	0.819416	0.4	13637.3
Cu 327.395	276.193	ug/L	0.723270	0.3	20955.7
Fe 273.955	279038	ug/L	1858.52	0.7	4909270
K 404.721	14353.4	ug/L	430.170	3.0	423.124
Li 610.365	189.607	ug/L	0.520512	0.3	24506.5
Mg 279.078	60894.6	ug/L	185.160	0.3	448601
Mn 257.610	5669.48	ug/L	13.9529	0.2	2402137
Mo 202.032	3.51713	ug/L	0.144473	4.1	59.8594
Na 330.237	263.367	ug/L	3.30819	1.3	79.6250
Ni 216.555	184.643	ug/L	1.22240	0.7	3058.26
Pb 220.353	75.8700	ug/L	1.12458	1.5	634.469
Sb 217.582	-4.00880uv	ug/L	0.441384	11.0	1.32300
Se 196.026	-4.65070uv	ug/L	0.882147	19.0	3.53000
Si 251.611	1931.73	ug/L	15.9325	0.8	13883.2
Si 288.158	2053.13	ug/L	38.1608	1.9	32789.5
Sn 189.925	13.3811	ug/L	1.07930	8.1	45.4744
Sr 421.552	59.2852	ug/L	0.181958	0.3	189701
Ti 336.122	3987.44	ug/L	37.2823	0.9	1332188
Tl 190.794	1.37012	ug/L	1.04775	76.5	6.58115
V 292.401	302.884	ug/L	1.30526	0.4	17465.2
Zn 202.548	440.698	ug/L	3.07635	0.7	23236.4
Zr 339.198	60.5278	ug/L	0.821045	1.4	4417.58

360-37865-A-1-A (Samp) **12/2/2011, 6:26:52 PM** **Rack 2, Tube 26**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-6.17662uv	ug/L	1.29825	21.0	-1.75269
Al 237.312	196823	ug/L	1420.94	0.7	750433
As 188.980	142.610	ug/L	3.42062	2.4	265.317
B 249.678	9.70316	ug/L	1.29066	13.3	662.326
Ba 493.408	290.955	ug/L	2.26985	0.8	768719
Be 313.042	7.89482	ug/L	0.053707	0.7	34911.5
Ca 373.690	5419.68	ug/L	89.4891	1.7	74572.2
Cd 214.439	-1.48639	ug/L	0.004100	0.3	208.897
Co 228.615	34.2420	ug/L	0.586247	1.7	829.724
Cr 267.716	226.044	ug/L	1.79087	0.8	15933.9
Cu 327.395	101.103	ug/L	0.798317	0.8	7796.18
Fe 273.955	206931	ug/L	2235.58	1.1	3663816
K 404.721	13772.0	ug/L	511.737	3.7	402.029
Li 610.365	152.645	ug/L	1.37880	0.9	19743.3
Mg 279.078	31692.7	ug/L	259.127	0.8	243519

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1425.00	ug/L	13.1870	0.9	604120
Mo 202.032	7.36817	ug/L	0.391240	5.3	106.661
Na 330.237	82.4829	ug/L	5.86180	7.1	33.9961
Ni 216.555	106.232	ug/L	0.841934	0.8	1853.75
Pb 220.353	172.714	ug/L	0.988413	0.6	1446.56
Sb 217.582	-1.25380uv	ug/L	0.138005	11.0	7.83606
Se 196.026	-2.15634uv	ug/L	2.10834	97.8	2.22693
Si 251.611	4176.71	ug/L	22.5459	0.5	29203.6
Si 288.158	4265.73	ug/L	75.4944	1.8	67604.2
Sn 189.925	13.6509	ug/L	1.17037	8.6	45.7952
Sr 421.552	56.5321	ug/L	0.401675	0.7	180449
Ti 336.122	5863.77	ug/L	63.6182	1.1	1959036
Tl 190.794	0.744062	ug/L	0.043063	5.8	4.93793
V 292.401	217.316	ug/L	2.04971	0.9	12680.4
Zn 202.548	328.827	ug/L	3.22555	1.0	17299.3
Zr 339.198	106.499	ug/L	1.90041	1.8	7773.14

360-37865-A-2-A (Samp) **12/2/2011, 6:29:49 PM** **Rack 2, Tube 27**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-8.88471uv	ug/L	0.626040	7.0	-2.93774
Al 237.312	222537	ug/L	1488.33	0.7	846626
As 188.980	200.329	ug/L	0.780206	0.4	371.049
B 249.678	10.2593	ug/L	0.446126	4.3	617.440
Ba 493.408	426.935	ug/L	3.02357	0.7	1127878
Be 313.042	9.89417	ug/L	0.052681	0.5	43700.9
Ca 373.690	5075.09	ug/L	49.0024	1.0	75817.6
Cd 214.439	-1.29886	ug/L	0.069272	5.3	271.185
Co 228.615	50.1192	ug/L	1.17427	2.3	1067.86
Cr 267.716	323.637	ug/L	2.78635	0.9	22782.3
Cu 327.395	158.744	ug/L	0.915864	0.6	12128.3
Fe 273.955	241237	ug/L	2142.45	0.9	4256362
K 404.721	16649.4	ug/L	299.062	1.8	485.381
Li 610.365	196.367	ug/L	1.02433	0.5	25377.9
Mg 279.078	38812.6	ug/L	274.606	0.7	295230
Mn 257.610	2127.20	ug/L	14.1908	0.7	901623
Mo 202.032	7.20674	ug/L	0.665786	9.2	104.698
Na 330.237	28.8491uv	ug/L	17.3155	60.0	16.7549
Ni 216.555	150.459	ug/L	2.09929	1.4	2531.78
Pb 220.353	316.342	ug/L	2.74347	0.9	2643.29
Sb 217.582	-3.52385uv	ug/L	1.73934	49.4	2.46960
Se 196.026	-1.26758uv	ug/L	1.80549	142.4	3.48648
Si 251.611	2830.05	ug/L	21.9989	0.8	20262.4
Si 288.158	2960.74	ug/L	30.2223	1.0	47070.3
Sn 189.925	15.9288	ug/L	0.286725	1.8	52.3565
Sr 421.552	116.762	ug/L	0.791708	0.7	371558
Ti 336.122	5648.41	ug/L	62.4446	1.1	1887088
Tl 190.794	-0.614794uv	ug/L	0.842352	137.0	2.98544
V 292.401	267.698	ug/L	1.83212	0.7	15528.3
Zn 202.548	390.704	ug/L	2.01580	0.5	20559.1
Zr 339.198	55.7008	ug/L	5.09289	9.1	4065.84

360-37865-A-3-A (Samp) **12/2/2011, 6:32:45 PM** **Rack 2, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-5.47487	ug/L	0.528462	9.7	2.66284
Al 237.312	224334	ug/L	1540.59	0.7	853350
As 188.980	143.238	ug/L	0.019562	0.0	266.461
B 249.678	10.6405	ug/L	0.871515	8.2	663.244
Ba 493.408	317.548	ug/L	1.78292	0.6	838956
Be 313.042	10.7015	ug/L	0.072418	0.7	47145.9
Ca 373.690	3372.43	ug/L	29.1426	0.9	54041.6
Cd 214.439	0.055486	ug/L	0.019905	35.9	285.484
Co 228.615	28.3588	ug/L	0.080749	0.3	666.088
Cr 267.716	215.323	ug/L	1.65237	0.8	15181.6
Cu 327.395	75.4995	ug/L	0.407242	0.5	5871.77
Fe 273.955	185947	ug/L	1085.63	0.6	3301393
K 404.721	9085.94	ug/L	500.313	5.5	269.784
Li 610.365	133.862	ug/L	0.727046	0.5	17320.3
Mg 279.078	22673.3	ug/L	121.930	0.5	176469
Mn 257.610	1732.30	ug/L	11.1836	0.6	734101
Mo 202.032	8.42169	ug/L	0.185203	2.2	119.462
Na 330.237	97.2463	ug/L	43.7361	45.0	37.6162
Ni 216.555	109.066	ug/L	0.453541	0.4	1858.81
Pb 220.353	371.691	ug/L	2.59822	0.7	3108.19
Sb 217.582	1.64419	ug/L	0.023135	1.4	14.6945
Se 196.026	1.57615	ug/L	1.03150	65.4	6.25970
Si 251.611	3653.33	ug/L	13.9127	0.4	25196.4
Si 288.158	3703.91	ug/L	16.2828	0.4	58765.3
Sn 189.925	15.8294	ug/L	0.194443	1.2	51.8183
Sr 421.552	54.4299	ug/L	0.335494	0.6	173535
Ti 336.122	3832.52	ug/L	25.4690	0.7	1280430
Tl 190.794	-1.37450uv	ug/L	0.030317	2.2	1.43243
V 292.401	240.684	ug/L	1.94879	0.8	13889.1
Zn 202.548	341.070	ug/L	4.28481	1.3	17895.4
Zr 339.198	57.2896	ug/L	2.93473	5.1	4182.18

360-37865-A-4-A (Samp) **12/2/2011, 6:35:42 PM** **Rack 2, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-6.22107uv	ug/L	0.514096	8.3	1.78003
Al 237.312	186024	ug/L	690.766	0.4	710035
As 188.980	149.965	ug/L	0.241147	0.2	278.793
B 249.678	9.59949	ug/L	0.679326	7.1	588.452
Ba 493.408	317.865	ug/L	1.24667	0.4	839795
Be 313.042	7.94398	ug/L	0.034385	0.4	35119.0
Ca 373.690	5574.12	ug/L	33.6131	0.6	73255.9
Cd 214.439	-0.772717	ug/L	0.057920	7.5	227.502
Co 228.615	37.2319	ug/L	0.036310	0.1	834.332
Cr 267.716	240.470	ug/L	1.28552	0.5	16946.2
Cu 327.395	112.784	ug/L	0.258276	0.2	8673.98
Fe 273.955	185456	ug/L	917.095	0.5	3292902
K 404.721	13291.1	ug/L	59.6538	0.4	387.261
Li 610.365	144.854	ug/L	0.593773	0.4	18738.5
Mg 279.078	30136.5	ug/L	125.266	0.4	232056

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1512.00	ug/L	5.59479	0.4	640938
Mo 202.032	5.68896	ug/L	0.617330	10.9	86.2474
Na 330.237	900.042	ug/L	31.6577	3.5	260.245
Ni 216.555	123.958	ug/L	0.617176	0.5	2066.34
Pb 220.353	237.489	ug/L	0.105598	0.0	1988.28
Sb 217.582	-0.074159uv	ug/L	0.759359	1024.0	10.6266
Se 196.026	-2.85950uv	ug/L	3.53833	123.7	1.83466
Si 251.611	2779.71	ug/L	17.3605	0.6	19773.9
Si 288.158	2889.63	ug/L	13.1662	0.5	45952.6
Sn 189.925	13.3661	ug/L	1.51229	11.3	44.9641
Sr 421.552	82.1673	ug/L	0.349254	0.4	261706
Ti 336.122	5074.40	ug/L	46.5589	0.9	1695319
Tl 190.794	-1.08250uv	ug/L	0.377811	34.9	1.95300
V 292.401	223.050	ug/L	1.31546	0.6	12954.4
Zn 202.548	320.871	ug/L	0.770895	0.2	16868.8
Zr 339.198	26.0933	ug/L	1.08584	4.2	1905.36

360-37865-A-5-A (Samp) **12/2/2011, 6:38:38 PM** **Rack 2, Tube 30**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-7.07751uv	ug/L	0.190773	2.7	-6.99805
Al 237.312	194753	ug/L	1825.52	0.9	742688
As 188.980	182.717	ug/L	3.63280	2.0	338.753
B 249.678	5.89120	ug/L	0.341363	5.8	512.084
Ba 493.408	392.171	ug/L	2.91852	0.7	1036056
Be 313.042	8.51610	ug/L	0.073553	0.9	37654.5
Ca 373.690	7560.23	ug/L	93.8954	1.2	94495.7
Cd 214.439	-1.42207	ug/L	0.044054	3.1	228.780
Co 228.615	47.2962	ug/L	0.568099	1.2	1005.57
Cr 267.716	242.060	ug/L	2.15138	0.9	17057.7
Cu 327.395	139.081	ug/L	1.47462	1.1	10650.5
Fe 273.955	217626	ug/L	1940.70	0.9	3848556
K 404.721	16437.2	ug/L	66.9790	0.4	477.871
Li 610.365	180.018	ug/L	1.49760	0.8	23270.6
Mg 279.078	35148.1	ug/L	291.814	0.8	268746
Mn 257.610	1659.38	ug/L	12.0660	0.7	703441
Mo 202.032	6.20341	ug/L	0.235157	3.8	92.5073
Na 330.237	83.9956	ug/L	0.639653	0.8	33.7598
Ni 216.555	136.709	ug/L	1.06740	0.8	2299.72
Pb 220.353	167.842	ug/L	1.27039	0.8	1405.32
Sb 217.582	-1.40584uv	ug/L	0.689955	49.1	7.47681
Se 196.026	-2.80442uv	ug/L	1.18076	42.1	1.75858
Si 251.611	3763.45	ug/L	7.43619	0.2	26344.2
Si 288.158	3873.00	ug/L	28.0769	0.7	61424.9
Sn 189.925	13.3380	ug/L	0.380500	2.9	44.9639
Sr 421.552	121.740	ug/L	1.09802	0.9	387523
Ti 336.122	5374.80	ug/L	58.5666	1.1	1795680
Tl 190.794	-0.067189	ug/L	0.762651	1135.1	3.74884
V 292.401	239.353	ug/L	2.30457	1.0	13909.1
Zn 202.548	344.976	ug/L	0.618740	0.2	18162.4
Zr 339.198	31.8737	ug/L	0.249926	0.8	2327.07

360-37847-A-1-B (Samp) **12/2/2011, 6:41:35 PM** **Rack 2, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-9.39667	ug/L	0.787229	8.4	60.2737
Al 237.312	118875	ug/L	1016.92	0.9	458834
As 188.980	19.5225	ug/L	3.47525	17.8	40.2016
B 249.678	50.5596	ug/L	1.86587	3.7	1999.92
Ba 493.408	572.105	ug/L	3.49190	0.6	1511310
Be 313.042	3.34451	ug/L	0.021089	0.6	15170.7
Ca 373.690	65578.9	ug/L	662.449	1.0	549721
Cd 214.439	-1.19193	ug/L	0.076849	6.4	212.314
Co 228.615	41.9589	ug/L	0.503121	1.2	906.854
Cr 267.716	556.574	ug/L	4.89386	0.9	39128.1
Cu 327.395	873.948	ug/L	2.16780	0.2	65873.7
Fe 273.955	193887	ug/L	1833.49	0.9	3438535
K 404.721	12976.3	ug/L	498.400	3.8	379.418
Li 610.365	92.7430	ug/L	0.398843	0.4	12023.3
Mg 279.078	32886.9	ug/L	296.344	0.9	252249
Mn 257.610	1197.06	ug/L	10.6770	0.9	507611
Mo 202.032	2.45822	ug/L	0.090919	3.7	47.1031
Na 330.237	2635.78	ug/L	15.2192	0.6	739.165
Ni 216.555	252.979	ug/L	1.91164	0.8	3870.68
Pb 220.353	743.054	ug/L	4.04070	0.5	6206.83
Sb 217.582	3.00648	ug/L	3.29681	109.7	17.9138
Se 196.026	-1.64861uv	ug/L	1.21386	73.6	2.58917
Si 251.611	2928.91	ug/L	1.36760	0.0	20759.4
Si 288.158	3044.23	ug/L	1.46221	0.0	48386.4
Sn 189.925	228.764	ug/L	3.19882	1.4	654.868
Sr 421.552	184.808	ug/L	1.68982	0.9	592177
Ti 336.122	5077.87	ug/L	33.2713	0.7	1696478
Tl 190.794	-1.43546uv	ug/L	0.450903	31.4	1.88712
V 292.401	261.816	ug/L	2.20541	0.8	15225.3
Zn 202.548	334.633	ug/L	3.47369	1.0	17929.0
Zr 339.198	39.1402	ug/L	2.02049	5.2	2857.42

360-37847-A-3-B (Samp) **12/2/2011, 6:44:31 PM** **Rack 2, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-16.6119	ug/L	0.148923	0.9	158.142
Al 237.312	114380	ug/L	812.841	0.7	442019
As 188.980	18.9064	ug/L	0.847955	4.5	39.4371
B 249.678	76.0423	ug/L	0.685630	0.9	2855.50
Ba 493.408	700.496	ug/L	5.59967	0.8	1850426
Be 313.042	5.89855	ug/L	0.046871	0.8	26390.4
Ca 373.690	21457.6	ug/L	187.556	0.9	215967
Cd 214.439	63.7304	ug/L	0.321978	0.5	4787.14
Co 228.615	114.276	ug/L	1.02780	0.9	1937.97
Cr 267.716	1097.73	ug/L	7.73243	0.7	77102.2
Cu 327.395	192.931	ug/L	1.24974	0.6	14699.0
Fe 273.955	248944	ug/L	1690.29	0.7	4389504
K 404.721	23807.2	ug/L	48.9078	0.2	689.637
Li 610.365	184.116	ug/L	0.759102	0.4	23799.1
Mg 279.078	67354.5	ug/L	323.374	0.5	491446

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3586.48	ug/L	18.4523	0.5	1520098
Mo 202.032	2.69567	ug/L	0.294122	10.9	49.8997
Na 330.237	920.538	ug/L	4.31014	0.5	253.299
Ni 216.555	4652.44	ug/L	23.0051	0.5	65354.8
Pb 220.353	66.2250	ug/L	0.186369	0.3	555.616
Sb 217.582	-1.94404uv	ug/L	0.035322	1.8	6.42896
Se 196.026	-6.60812uv	ug/L	0.469729	7.1	-0.169769
Si 251.611	2383.86	ug/L	28.9268	1.2	16825.7
Si 288.158	2449.36	ug/L	22.6347	0.9	39024.6
Sn 189.925	13.8822	ug/L	0.393122	2.8	46.9858
Sr 421.552	94.8297	ug/L	0.641981	0.7	303408
Ti 336.122	3842.41	ug/L	33.9441	0.9	1283736
Tl 190.794	1.32211	ug/L	1.45284	109.9	7.09805
V 292.401	312.913	ug/L	2.53696	0.8	18022.4
Zn 202.548	651.411	ug/L	2.26340	0.3	34040.7
Zr 339.198	42.9924	ug/L	2.65892	6.2	3137.74

CCV (CCV) **12/2/2011, 6:47:27 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	971.805	ug/L	3.66898	0.4	11313.8	97.18053
Al 237.312	5013.58	ug/L	19.2524	0.4	23871.6	100.27161
As 188.980	977.909	ug/L	2.51890	0.3	1795.02	97.79094
B 249.678	931.586	ug/L	17.5871	1.9	32024.2	93.15865
Ba 493.408	968.284	ug/L	2.25688	0.2	2557726	96.82843
Be 313.042	995.390	ug/L	3.36467	0.3	4348842	99.53900
Ca 373.690	20078.9	ug/L	73.5115	0.4	175151	100.39433
Cd 214.439	984.516	ug/L	4.19038	0.4	68212.0	98.45163
Co 228.615	980.513	ug/L	3.95102	0.4	14071.4	98.05133
Cr 267.716	975.883	ug/L	3.24193	0.3	68552.3	97.58835
Cu 327.395	964.842	ug/L	5.61335	0.6	72730.7	96.48418
Fe 273.955	5043.24	ug/L	20.3307	0.4	119704	100.86475
K 404.721	20086.9	ug/L	696.073	3.5	568.797	100.43432
Li 610.365	4948.34	ug/L	2.96377	0.1	637745	98.96675
Mg 279.078	20342.4	ug/L	75.3925	0.4	158663	101.71215
Mn 257.610	971.928	ug/L	3.08272	0.3	412044	97.19276
Mo 202.032	974.549	ug/L	18.3799	1.9	11863.6	97.45485
Na 330.237	20547.7	ug/L	25.5774	0.1	5664.91	102.73848
Ni 216.555	976.680	ug/L	3.30433	0.3	13727.3	97.66796
Pb 220.353	989.084	ug/L	3.18280	0.3	8270.41	98.90843
Sb 217.582	969.875	ug/L	6.19525	0.6	2308.39	96.98750
Se 196.026	967.483	ug/L	12.0459	1.2	922.854	96.74833
Si 251.611	989.584	ug/L	13.4298	1.4	7005.73	98.95844
Si 288.158	988.976	ug/L	10.8321	1.1	16449.3	98.89763
Sn 189.925	985.505	ug/L	4.91686	0.5	2797.24	98.55048
Sr 421.552	974.229	ug/L	1.72193	0.2	3092519	97.42289
Ti 336.122	979.550	ug/L	3.68534	0.4	327306	97.95503
Tl 190.794	978.324	ug/L	3.69932	0.4	1621.37	97.83244
V 292.401	981.465	ug/L	3.92305	0.4	55393.2	98.14653
Zn 202.548	982.629	ug/L	4.12957	0.4	51194.0	98.26292
Zr 339.198	922.780	ug/L	29.0824	3.2	67343.9	92.27797

CCB (CCB) **12/2/2011, 6:50:23 PM** **Rack 4, Tube 4**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.800490	ug/L	0.054998	6.9	7.35474	0.80049
Al 237.312	3.76315	ug/L	0.840363	22.3	34.5261	3.76315
As 188.980	0.342296uv	ug/L	0.743720	217.3	4.71428	0.34230
B 249.678	22.7016	ug/L	3.71158	16.3	879.256	22.70162
Ba 493.408	0.216101	ug/L	0.048021	22.2	798.047	0.21610
Be 313.042	0.150093	ug/L	0.017925	11.9	797.125	0.15009
Ca 373.690	4.41286	ug/L	1.37521	31.2	102.265	4.41286
Cd 214.439	0.109315	ug/L	0.010235	9.4	14.6082	0.10932
Co 228.615	0.346835	ug/L	0.014898	4.3	33.7728	0.34683
Cr 267.716	-0.163929uv	ug/L	0.033659	20.5	60.2131	-0.16393
Cu 327.395	0.293092	ug/L	0.210879	71.9	218.803	0.29309
Fe 273.955	7.21742	ug/L	0.850375	11.8	236.338	7.21742
K 404.721	469.903	ug/L	59.9476	12.8	19.7070	469.90311
Li 610.365	-0.360727uv	ug/L	0.043811	12.1	18.4922	-0.36073
Mg 279.078	4.41580	ug/L	0.712913	16.1	59.3850	4.41580
Mn 257.610	0.249116	ug/L	0.027404	11.0	159.195	0.24912
Mo 202.032	14.0398	ug/L	0.215826	1.5	187.739	14.03979
Na 330.237	-41.1464uv	ug/L	37.7944	91.9	12.4873	-41.14637
Ni 216.555	0.382894	ug/L	0.040304	10.5	16.8568	0.38289
Pb 220.353	0.265730uv	ug/L	1.03807	390.6	18.9777	0.26573
Sb 217.582	0.457335	ug/L	0.140231	30.7	11.8748	0.45734
Se 196.026	3.01570	ug/L	0.409004	13.6	7.51370	3.01570
Si 251.611	4.03356	ug/L	1.33179	33.0	79.0854	4.03356
Si 288.158	2.67185	ug/L	0.753518	28.2	528.497	2.67185
Sn 189.925	1.06965	ug/L	0.652157	61.0	9.64735	1.06965
Sr 421.552	0.173148	ug/L	0.019460	11.2	604.501	0.17315
Ti 336.122	1.18449	ug/L	0.011527	1.0	451.140	1.18449
Tl 190.794	0.323486	ug/L	0.068555	21.2	3.16144	0.32349
V 292.401	-0.013128uv	ug/L	0.015700	119.6	38.5466	-0.01313
Zn 202.548	0.073286	ug/L	0.074305	101.4	36.7606	0.07329
Zr 339.198	0.522029	ug/L	0.157518	30.2	39.9971	0.52203

360-37847-A-4-B (Samp) **12/2/2011, 6:53:19 PM** **Rack 2, Tube 33**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-9.23524uv	ug/L	0.311392	3.4	-13.7776
Al 237.312	218443	ug/L	1424.80	0.7	831311
As 188.980	17.0749	ug/L	0.685644	4.0	35.5444
B 249.678	166.022	ug/L	1.21091	0.7	5923.23
Ba 493.408	1143.06	ug/L	7.47745	0.7	3019346
Be 313.042	7.74253	ug/L	0.054804	0.7	34618.7
Ca 373.690	5609.44	ug/L	67.7310	1.2	95623.0
Cd 214.439	-0.690238	ug/L	0.060448	8.8	489.799
Co 228.615	180.039	ug/L	1.37553	0.8	3002.83
Cr 267.716	293.986	ug/L	2.32216	0.8	20701.5
Cu 327.395	804.863	ug/L	6.38446	0.8	60686.4
Fe 273.955	364108	ug/L	2824.21	0.8	6378615
K 404.721	39584.8	ug/L	22.5004	0.1	1154.91
Li 610.365	292.918	ug/L	1.52280	0.5	37824.2
Mg 279.078	105057	ug/L	800.539	0.8	724144

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	8323.04	ug/L	60.0481	0.7	3526574
Mo 202.032	11.0272	ug/L	0.321042	2.9	151.145
Na 330.237	523.306	ug/L	37.7244	7.2	139.057
Ni 216.555	346.206	ug/L	3.29421	1.0	5451.29
Pb 220.353	97.0369	ug/L	0.218743	0.2	806.494
Sb 217.582	-1.10304uv	ug/L	0.668791	60.6	8.20605
Se 196.026	-10.4520uv	ug/L	0.412509	3.9	-0.008057
Si 251.611	2478.81	ug/L	54.3309	2.2	18049.4
Si 288.158	2640.53	ug/L	35.0329	1.3	42032.8
Sn 189.925	16.3713	ug/L	0.189937	1.2	54.5363
Sr 421.552	77.4210	ug/L	0.480865	0.6	247115
Ti 336.122	6026.81	ug/L	50.9024	0.8	2013504
Tl 190.794	4.54496	ug/L	0.498005	11.0	12.7721
V 292.401	463.308	ug/L	4.07933	0.9	26638.1
Zn 202.548	760.056	ug/L	14.7484	1.9	40057.0
Zr 339.198	94.3058	ug/L	1.13956	1.2	6881.71

360-37847-A-5-B@5 (Samp) **12/2/2011, 6:56:16 PM** **Rack 2, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-158.551b	ug/L	1.10149	0.7	6246.08
Al 237.312	4880.93b	ug/L	1.48948	0.0	23249.0
As 188.980	-2.80631b	ug/L	0.084680	3.0	16.8285
B 249.678	122.186b	ug/L	1.03341	0.8	4857.60
Ba 493.408	27.5850b	ug/L	0.012516	0.0	73083.5
Be 313.042	-0.300551b	ug/L	0.000790	0.3	806.516
Ca 373.690	-xb	ug/L	594.146	0.1	4267395
Cd 214.439	8.19602b	ug/L	0.034341	0.4	604.103
Co 228.615	79.1986b	ug/L	0.363313	0.5	1241.80
Cr 267.716	26617.1b	ug/L	52.5786	0.2	1867873
Cu 327.395	3109.24b	ug/L	8.61165	0.3	233851
Fe 273.955	6982.41b	ug/L	7.30412	0.1	164498
K 404.721	1163.84b	ug/L	145.420	12.5	39.3477
Li 610.365	0.826725b	ug/L	0.010674	1.3	191.207
Mg 279.078	-xb	ug/L	341.488	0.1	2262918
Mn 257.610	365.214b	ug/L	0.151011	0.0	160169
Mo 202.032	3.98221b	ug/L	0.254241	6.4	66.6266
Na 330.237	-4.24341uvb	ug/L	1.06441	25.1	-31.1807
Ni 216.555	31434.0b	ug/L	11.4877	0.0	438683
Pb 220.353	131.078b	ug/L	0.071524	0.1	1110.11
Sb 217.582	9.81299b	ug/L	2.56693	26.2	34.0345
Se 196.026	-6.81442uvb	ug/L	1.27039	18.6	-1.50476
Si 251.611	930.191b	ug/L	5.94110	0.6	6220.84
Si 288.158	877.231b	ug/L	8.51014	1.0	14292.9
Sn 189.925	92.6954b	ug/L	0.712755	0.8	273.961
Sr 421.552	247.358b	ug/L	0.127166	0.1	828052
Ti 336.122	117.245b	ug/L	0.148206	0.1	39225.4
Tl 190.794	-3.30604b	ug/L	2.52092	76.3	13.3957
V 292.401	1.85317b	ug/L	0.069336	3.7	890.902
Zn 202.548	1392.01b	ug/L	6.60228	0.5	73286.9
Zr 339.198	12.0686b	ug/L	0.638067	5.3	875.036

360-37847-A-5-B@50 (Samp) **12/2/2011, 6:59:13 PM** **Rack 2, Tube 35**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-17.4956	ug/L	0.303171	1.7	683.362
Al 237.312	500.211	ug/L	3.54993	0.7	2446.65
As 188.980	-0.817530uv	ug/L	0.845833	103.5	4.55380
B 249.678	19.9364	ug/L	0.104156	0.5	848.871
Ba 493.408	2.97495	ug/L	0.020053	0.7	8084.59
Be 313.042	-0.031899	ug/L	0.003141	9.8	218.354
Ca 373.690	57615.1	ug/L	397.364	0.7	471395
Cd 214.439	0.902485	ug/L	0.006613	0.7	72.7754
Co 228.615	8.93829	ug/L	0.113036	1.3	165.504
Cr 267.716	2922.25	ug/L	22.7885	0.8	205134
Cu 327.395	331.999	ug/L	0.730499	0.2	25146.0
Fe 273.955	741.224	ug/L	5.91563	0.8	18188.9
K 404.721	1742.12	ug/L	172.815	9.9	54.6636
Li 610.365	1.11831	ug/L	0.025678	2.3	211.223
Mg 279.078	31942.7	ug/L	232.090	0.7	245131
Mn 257.610	39.7521	ug/L	0.261286	0.7	17478.7
Mo 202.032	0.737001	ug/L	0.187937	25.5	26.1586
Na 330.237	-21.7470uv	ug/L	10.0020	46.0	12.0376
Ni 216.555	3489.93	ug/L	41.3935	1.2	48714.5
Pb 220.353	14.4924	ug/L	0.373851	2.6	137.644
Sb 217.582	2.88787	ug/L	1.53952	53.3	17.6271
Se 196.026	-2.58713uv	ug/L	0.869333	33.6	2.23415
Si 251.611	100.800	ug/L	0.074071	0.1	720.829
Si 288.158	93.9937	ug/L	1.69431	1.8	1966.39
Sn 189.925	10.1371	ug/L	0.234890	2.3	35.8500
Sr 421.552	27.4049	ug/L	0.173688	0.6	91775.3
Ti 336.122	12.5870	ug/L	0.285232	2.3	4260.57
Tl 190.794	-1.21669uv	ug/L	1.96991	161.9	2.40625
V 292.401	-0.182990	ug/L	0.135779	74.2	111.451
Zn 202.548	150.522	ug/L	2.01440	1.3	7952.17
Zr 339.198	1.02824	ug/L	0.075296	7.3	76.1160

360-37847-A-6-B (Samp) **12/2/2011, 7:02:09 PM** **Rack 2, Tube 36**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-11.1280	ug/L	0.130175	1.2	18.2639
Al 237.312	120250	ug/L	516.702	0.4	463978
As 188.980	22.4013	ug/L	0.724566	3.2	45.4207
B 249.678	69.6514	ug/L	1.21074	1.7	2606.22
Ba 493.408	1884.45	ug/L	12.1290	0.6	4977560
Be 313.042	5.34444	ug/L	0.026786	0.5	23988.0
Ca 373.690	21730.9	ug/L	128.497	0.6	217233
Cd 214.439	-0.801819	ug/L	0.098392	12.3	304.993
Co 228.615	84.6508	ug/L	0.196392	0.2	1512.06
Cr 267.716	480.453	ug/L	2.84181	0.6	33786.5
Cu 327.395	207.428	ug/L	1.39326	0.7	15787.6
Fe 273.955	240474	ug/L	1628.99	0.7	4243191
K 404.721	22672.5	ug/L	318.962	1.4	658.909
Li 610.365	205.936	ug/L	0.804979	0.4	26611.1
Mg 279.078	63535.9	ug/L	284.707	0.4	466202

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	10745.8	ug/L	78.9632	0.7	4551964
Mo 202.032	6.29324	ug/L	0.043706	0.7	93.6321
Na 330.237	1275.99	ug/L	7.84818	0.6	358.830
Ni 216.555	240.668	ug/L	1.59947	0.7	3775.73
Pb 220.353	65.6435	ug/L	0.295012	0.4	551.224
Sb 217.582	-3.32220uv	ug/L	1.10543	33.3	2.94763
Se 196.026	-6.43477	ug/L	2.80394	43.6	7.29361
Si 251.611	2024.12	ug/L	8.80172	0.4	14549.8
Si 288.158	2136.66	ug/L	3.95780	0.2	34103.7
Sn 189.925	12.8866	ug/L	0.782448	6.1	44.1124
Sr 421.552	149.143	ug/L	1.40097	0.9	475729
Ti 336.122	4197.33	ug/L	24.1801	0.6	1402309
Tl 190.794	7.63946	ug/L	1.00928	13.2	17.1718
V 292.401	371.409	ug/L	2.01459	0.5	21328.2
Zn 202.548	459.397	ug/L	3.91634	0.9	24125.9
Zr 339.198	65.4118	ug/L	1.08536	1.7	4773.94

360-37847-A-8-B (Samp) **12/2/2011, 7:05:05 PM** **Rack 2, Tube 37**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-2.51776	ug/L	0.625644	24.8	4.08838
Al 237.312	95508.9	ug/L	906.295	0.9	371423
As 188.980	18.6157	ug/L	0.217994	1.2	38.2401
B 249.678	31.5722	ug/L	0.378467	1.2	1344.67
Ba 493.408	179.816	ug/L	1.27885	0.7	475169
Be 313.042	3.71568	ug/L	0.038116	1.0	16642.4
Ca 373.690	5355.23	ug/L	83.2573	1.6	69465.2
Cd 214.439	-1.21111	ug/L	0.050230	4.1	175.370
Co 228.615	57.2021	ug/L	0.658694	1.2	1065.13
Cr 267.716	107.913	ug/L	0.869253	0.8	7644.31
Cu 327.395	117.700	ug/L	1.10442	0.9	9043.80
Fe 273.955	170321	ug/L	1545.30	0.9	3031495
K 404.721	11698.6	ug/L	91.5779	0.8	341.479
Li 610.365	88.3577	ug/L	0.841157	1.0	11456.7
Mg 279.078	30315.7	ug/L	272.980	0.9	233361
Mn 257.610	1685.50	ug/L	12.2959	0.7	714420
Mo 202.032	2.39057	ug/L	0.438120	18.3	46.1516
Na 330.237	107.898	ug/L	15.4041	14.3	43.5210
Ni 216.555	102.930	ug/L	0.968889	0.9	1737.91
Pb 220.353	38.5828	ug/L	0.670187	1.7	329.208
Sb 217.582	-0.879838uv	ug/L	1.75601	199.6	8.71893
Se 196.026	-3.51165uv	ug/L	0.523079	14.9	1.51791
Si 251.611	2998.42	ug/L	43.0717	1.4	20840.4
Si 288.158	3058.42	ug/L	46.0439	1.5	48608.3
Sn 189.925	18.8976	ug/L	2.71311	14.4	60.6283
Sr 421.552	28.9119	ug/L	0.272074	0.9	92701.1
Ti 336.122	3700.68	ug/L	48.5007	1.3	1236384
Tl 190.794	-0.584256uv	ug/L	0.996508	170.6	2.77899
V 292.401	219.369	ug/L	2.44315	1.1	12675.9
Zn 202.548	263.461	ug/L	2.96725	1.1	13890.0
Zr 339.198	47.5780	ug/L	1.36418	2.9	3473.26

360-37881-A-6-A (Samp) **12/2/2011, 7:08:01 PM** **Rack 2, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-4.37410	ug/L	0.387664	8.9	2.78052
Al 237.312	144004	ug/L	979.111	0.7	552841
As 188.980	12.1565	ug/L	1.14724	9.4	26.4564
B 249.678	18.3021	ug/L	0.186166	1.0	828.608
Ba 493.408	429.519	ug/L	3.27201	0.8	1134701
Be 313.042	3.50977	ug/L	0.021713	0.6	15860.2
Ca 373.690	14782.1	ug/L	146.128	1.0	161044
Cd 214.439	-1.79780	ug/L	0.029918	1.7	259.189
Co 228.615	66.9276	ug/L	0.366091	0.5	1443.80
Cr 267.716	169.068	ug/L	1.06833	0.6	11935.7
Cu 327.395	153.661	ug/L	0.840153	0.5	11747.2
Fe 273.955	256734	ug/L	2596.09	1.0	4524022
K 404.721	25264.0	ug/L	517.772	2.0	731.305
Li 610.365	201.843	ug/L	1.17013	0.6	26087.9
Mg 279.078	53429.9	ug/L	335.553	0.6	397919
Mn 257.610	3554.22	ug/L	26.0554	0.7	1506212
Mo 202.032	2.69411	ug/L	0.154371	5.7	49.8666
Na 330.237	942.769	ug/L	28.9517	3.1	266.936
Ni 216.555	193.100	ug/L	1.99858	1.0	3137.80
Pb 220.353	18.8781	ug/L	0.454963	2.4	160.079
Sb 217.582	-2.68029uv	ug/L	2.29523	85.6	4.46387
Se 196.026	-5.83013uv	ug/L	1.36603	23.4	0.462250
Si 251.611	1416.52	ug/L	13.7308	1.0	11976.5
Si 288.158	1760.82	ug/L	2.20315	0.1	28190.5
Sn 189.925	12.4043	ug/L	1.21742	9.8	42.5992
Sr 421.552	52.8633	ug/L	0.489063	0.9	169744
Ti 336.122	9440.79	ug/L	84.5821	0.9	3154053
Tl 190.794	1.03898	ug/L	0.278913	26.8	5.71500
V 292.401	229.469	ug/L	1.68838	0.7	13569.6
Zn 202.548	454.317	ug/L	5.02553	1.1	23858.5
Zr 339.198	33.2335	ug/L	1.86000	5.6	2425.87

360-37864-A-7-C (Samp) **12/2/2011, 7:10:58 PM** **Rack 2, Tube 39**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-1.93260	ug/L	0.157598	8.2	-0.245117
Al 237.312	60758.9	ug/L	408.495	0.7	241425
As 188.980	15.7809	ug/L	0.088734	0.6	33.0278
B 249.678	4.15085	ug/L	0.099612	2.4	366.126
Ba 493.408	136.496	ug/L	1.28826	0.9	360750
Be 313.042	2.18054	ug/L	0.015820	0.7	9808.24
Ca 373.690	6936.78	ug/L	62.5237	0.9	74343.5
Cd 214.439	-0.670284	ug/L	0.126675	18.9	109.513
Co 228.615	22.5840	ug/L	0.301297	1.3	527.661
Cr 267.716	74.1705	ug/L	0.401864	0.5	5276.48
Cu 327.395	47.0112	ug/L	0.067831	0.1	3730.66
Fe 273.955	98376.0	ug/L	771.017	0.8	1788840
K 404.721	6088.53	ug/L	572.898	9.4	180.920
Li 610.365	27.8905	ug/L	0.505328	1.8	3663.29
Mg 279.078	13394.6	ug/L	85.9149	0.6	105591

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	1010.90	ug/L	6.74302	0.7	428419
Mo 202.032	3.73145	ug/L	0.177399	4.8	62.4525
Na 330.237	195.340	ug/L	8.53284	4.4	71.6196
Ni 216.555	37.4114	ug/L	0.331192	0.9	705.049
Pb 220.353	32.6045	ug/L	0.062887	0.2	283.226
Sb 217.582	-1.12018uv	ug/L	0.569647	50.9	8.14752
Se 196.026	-2.93299uv	ug/L	0.119447	4.1	2.00513
Si 251.611	2200.57	ug/L	45.7512	2.1	15545.2
Si 288.158	2259.59	ug/L	53.5618	2.4	36038.8
Sn 189.925	10.3253	ug/L	0.885049	8.6	36.0813
Sr 421.552	55.8375	ug/L	0.295400	0.5	178084
Ti 336.122	3580.96	ug/L	15.4892	0.4	1196390
Tl 190.794	-0.341030uv	ug/L	1.23562	362.3	2.63734
V 292.401	105.851	ug/L	0.513649	0.5	6235.55
Zn 202.548	161.428	ug/L	1.46019	0.9	8507.51
Zr 339.198	41.6849	ug/L	1.45363	3.5	3043.62

CCV (CCV) **12/2/2011, 7:13:55 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	988.955	ug/L	2.10751	0.2	11512.2	98.89546
Al 237.312	5120.79	ug/L	20.1947	0.4	24369.3	102.41583
As 188.980	992.729	ug/L	2.00415	0.2	1822.16	99.27290
B 249.678	962.073	ug/L	15.0306	1.6	33066.6	96.20734
Ba 493.408	988.008	ug/L	3.98084	0.4	2609821	98.80078
Be 313.042	988.995	ug/L	11.2504	1.1	4320919	98.89952
Ca 373.690	20404.3	ug/L	81.3270	0.4	177898	102.02165
Cd 214.439	998.945	ug/L	4.86231	0.5	69211.6	99.89455
Co 228.615	996.114	ug/L	4.75346	0.5	14295.0	99.61143
Cr 267.716	988.716	ug/L	1.17084	0.1	69452.8	98.87160
Cu 327.395	983.375	ug/L	6.40639	0.7	74123.9	98.33751
Fe 273.955	5121.83	ug/L	25.2884	0.5	121511	102.43657
K 404.721	20162.1	ug/L	394.115	2.0	570.971	100.81064
Li 610.365	5010.39	ug/L	2.74418	0.1	645741	100.20772
Mg 279.078	20630.6	ug/L	90.3149	0.4	160846	103.15280
Mn 257.610	990.163	ug/L	4.05499	0.4	419772	99.01634
Mo 202.032	995.408	ug/L	20.1060	2.0	12117.2	99.54076
Na 330.237	20709.3	ug/L	13.2776	0.1	5708.98	103.54626
Ni 216.555	987.291	ug/L	4.18800	0.4	13876.9	98.72906
Pb 220.353	1005.51	ug/L	3.71033	0.4	8407.48	100.55097
Sb 217.582	987.668	ug/L	0.467233	0.0	2350.53	98.76680
Se 196.026	984.015	ug/L	6.82144	0.7	938.545	98.40154
Si 251.611	1008.54	ug/L	15.4968	1.5	7139.50	100.85368
Si 288.158	1007.49	ug/L	12.2988	1.2	16748.5	100.74924
Sn 189.925	999.330	ug/L	4.47047	0.4	2836.39	99.93301
Sr 421.552	989.664	ug/L	3.26182	0.3	3141515	98.96644
Ti 336.122	1000.38	ug/L	5.51620	0.6	334264	100.03770
Tl 190.794	989.539	ug/L	9.34685	0.9	1639.97	98.95393
V 292.401	998.612	ug/L	3.34939	0.3	56360.3	99.86119
Zn 202.548	997.772	ug/L	2.82683	0.3	51984.3	99.77717
Zr 339.198	988.447	ug/L	8.07830	0.8	72136.1	98.84470

CCB (CCB) **12/2/2011, 7:16:51 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.135325	ug/L	0.008583	6.3	-0.172363	0.13532
Al 237.312	3.39188	ug/L	1.57203	46.3	32.7205	3.39188
As 188.980	0.431156	ug/L	0.255655	59.3	4.87700	0.43116
B 249.678	20.8124	ug/L	3.24526	15.6	814.922	20.81240
Ba 493.408	0.223552	ug/L	0.031519	14.1	817.727	0.22355
Be 313.042	0.167768	ug/L	0.010190	6.1	874.337	0.16777
Ca 373.690	5.71587	ug/L	1.32998	23.3	113.715	5.71587
Cd 214.439	0.170666	ug/L	0.007016	4.1	18.8555	0.17067
Co 228.615	0.700552	ug/L	0.023861	3.4	38.8228	0.70055
Cr 267.716	-0.105203uv	ug/L	0.058366	55.5	64.3341	-0.10520
Cu 327.395	0.248957	ug/L	0.060978	24.5	215.497	0.24896
Fe 273.955	6.05599	ug/L	0.052639	0.9	207.956	6.05599
K 404.721	685.284	ug/L	497.361	72.6	25.6108	685.28375
Li 610.365	-0.501225uv	ug/L	0.002443	0.5	0.386719	-0.50122
Mg 279.078	5.35774	ug/L	1.22414	22.8	66.9343	5.35774
Mn 257.610	0.267578	ug/L	0.026167	9.8	167.031	0.26758
Mo 202.032	13.3516	ug/L	0.371532	2.8	179.374	13.35160
Na 330.237	-47.1462uv	ug/L	11.2738	23.9	10.8262	-47.14617
Ni 216.555	0.506338	ug/L	0.075580	14.9	18.5908	0.50634
Pb 220.353	0.337498	ug/L	0.015856	4.7	19.5767	0.33750
Sb 217.582	0.286184uv	ug/L	0.461490	161.3	11.4702	0.28618
Se 196.026	0.062191uv	ug/L	1.87628	3017.0	4.71350	0.06219
Si 251.611	6.34545	ug/L	0.519479	8.2	94.2782	6.34545
Si 288.158	4.33686	ug/L	0.229683	5.3	554.579	4.33686
Sn 189.925	1.38283	ug/L	0.011002	0.8	10.5341	1.38283
Sr 421.552	0.186703	ug/L	0.025503	13.7	647.613	0.18670
Ti 336.122	1.14908	ug/L	0.114683	10.0	439.312	1.14908
Tl 190.794	1.87899	ug/L	1.08291	57.6	5.72328	1.87899
V 292.401	-0.058408uv	ug/L	0.045752	78.3	35.9958	-0.05841
Zn 202.548	0.146081	ug/L	0.018371	12.6	40.4991	0.14608
Zr 339.198	0.670519	ug/L	0.039789	5.9	50.8335	0.67052

ICSA (ICSA) **12/2/2011, 7:19:48 PM** **Rack 4, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.310109	ug/L	0.567268	182.9	3.61475	0.31011
Al 237.312	115085	ug/L	403.465	0.4	44465508	4.80469K
As 188.980	0.688607uv	ug/L	1.09287	158.7	5.34851	0.68861
B 249.678	8.91487	ug/L	0.382485	4.3	409.451	8.91487
Ba 493.408	1.02817	ug/L	0.021731	2.1	2942.95	1.02817
Be 313.042	0.022167	ug/L	0.000382	1.7	761.854	0.02217
Ca 373.690	103255	ug/L	512.371	0.5	792734	3255.41406K
Cd 214.439	-0.914448	ug/L	0.087095	9.5	120.395	-0.91445
Co 228.615	-1.14756	ug/L	0.164800	14.4	77.8059	-1.14756
Cr 267.716	0.188839	ug/L	0.033684	17.8	84.9678	0.18884
Cu 327.395	0.834395	ug/L	0.014712	1.8	259.572	0.83440
Fe 273.955	115833	ug/L	344.074	0.3	2090360	5833.03906K
K 404.721	1252.34	ug/L	101.351	8.1	48.4277	1252.34302
Li 610.365	1.46162	ug/L	0.082692	5.7	259.746	1.46162
Mg 279.078	108262	ug/L	530.982	0.5	742739	8262.13281K

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	-2.58685	ug/L	0.024427	0.9	746.458	-2.58685
Mo 202.032	2.66125	ug/L	0.411428	15.5	49.6362	2.66125
Na 330.237	103.273	ug/L	56.2618	54.5	52.2271	103.27287
Ni 216.555	-5.19606	ug/L	0.032449	0.6	137.994	-5.19606
Pb 220.353	-2.97892uv	ug/L	0.337422	11.3	-14.6691	-2.97892
Sb 217.582	-1.50772uv	ug/L	0.757352	50.2	7.23163	-1.50772
Se 196.026	-3.52863uv	ug/L	1.03259	29.3	0.266296	-3.52863
Si 251.611	5.20595	ug/L	0.455038	8.7	86.3043	5.20595
Si 288.158	6.94326	ug/L	0.844561	12.2	594.978	6.94326
Sn 189.925	-0.605973uv	ug/L	0.686347	113.3	6.50844	-0.60597
Sr 421.552	-2.02925	ug/L	0.000818	0.0	1807.65	-2.02925
Ti 336.122	0.361468	ug/L	0.015721	4.3	176.185	0.36147
Tl 190.794	-0.461672uv	ug/L	0.732597	158.7	2.24057	-0.46167
V 292.401	-2.84623	ug/L	0.214353	7.5	87.3987	-2.84623
Zn 202.548	1.45151	ug/L	0.417116	28.7	249.587	1.45151
Zr 339.198	1.63910	ug/L	0.263656	16.1	119.023	1.63910

ICSAB (ICSAB) **12/2/2011, 7:22:44 PM** **Rack 4, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	484.506	ug/L	2.49697	0.5	5636.01	80.75097
Al 237.312	104891	ug/L	951.208	0.9	406522	104.89082
As 188.980	1583.71	ug/L	14.3085	0.9	2903.72	79.18537G
B 249.678	5.82387	ug/L	0.146735	2.5	345.506	-
Ba 493.408	471.382	ug/L	3.68894	0.8	1245274	78.56370G
Be 313.042	161.675	ug/L	1.45961	0.9	707111	80.83754
Ca 373.690	92694.8	ug/L	811.239	0.9	725096	92.69479
Cd 214.439	468.051	ug/L	2.81181	0.6	32590.2	78.00857G
Co 228.615	464.646	ug/L	3.10999	0.7	6726.19	77.44098G
Cr 267.716	468.753	ug/L	3.78115	0.8	32965.4	78.12542G
Cu 327.395	486.277	ug/L	4.56098	0.9	36752.9	81.04623
Fe 273.955	106243	ug/L	827.608	0.8	1924723	106.24264
K 404.721	35053.0	ug/L	112.438	0.3	1004.59	87.63246
Li 610.365	1.43271	ug/L	0.085050	5.9	255.477	-
Mg 279.078	96822.0	ug/L	697.749	0.7	675511	96.82196
Mn 257.610	306.876	ug/L	2.26765	0.7	131641	76.71889G
Mo 202.032	0.590312	ug/L	0.219259	37.1	24.4438	-
Na 330.237	10.5556uv	ug/L	6.91123	65.5	9.19043	-
Ni 216.555	455.968	ug/L	2.99245	0.7	6679.42	75.99463G
Pb 220.353	1548.98	ug/L	7.81175	0.5	12937.2	77.44919G
Sb 217.582	858.732	ug/L	7.51922	0.9	2043.72	85.87325
Se 196.026	787.872	ug/L	11.9348	1.5	750.990	78.78725G
Si 251.611	-18.8243	ug/L	0.023845	0.1	68.7382	-
Si 288.158	-17.4131	ug/L	1.50752	8.7	568.421	-
Sn 189.925	3.21320	ug/L	0.253784	7.9	17.1764	-
Sr 421.552	-1.91088	ug/L	0.001519	0.1	1486.19	-
Ti 336.122	0.346590	ug/L	0.041232	11.9	171.385	-
Tl 190.794	1513.47	ug/L	26.2525	1.7	2497.75	75.67360G
V 292.401	473.303	ug/L	4.19562	0.9	26886.6	78.88386G
Zn 202.548	457.526	ug/L	12.6741	2.8	23997.2	76.25426G
Zr 339.198	6.11667	ug/L	0.493622	8.1	446.012	-

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Westfield
Hg Data Review Checklist

Run Date: 12-9-11 **Instrument:** Model PS200, Leeman Lab

Batch(es): 84566

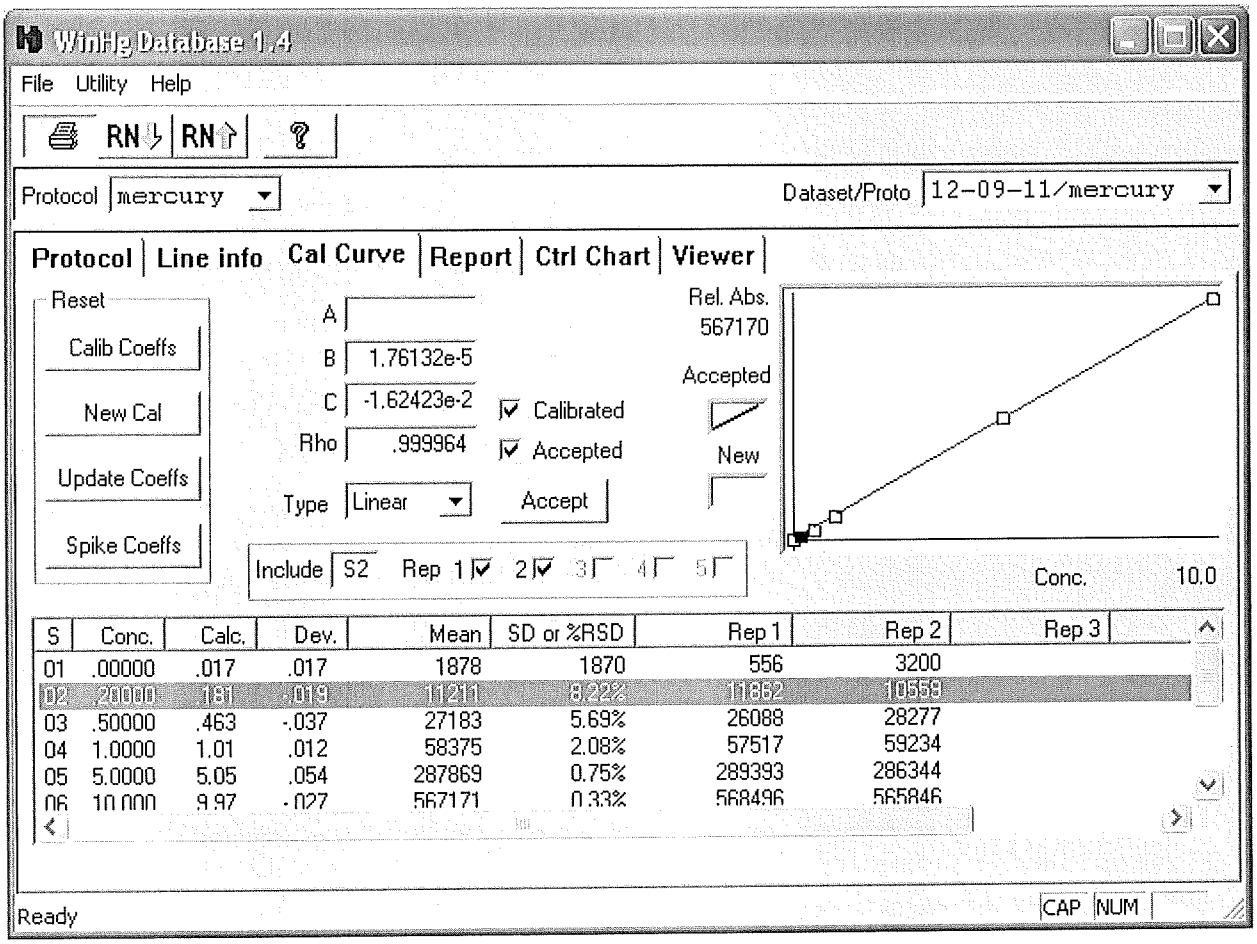
Circle Method(s) Performed: **7470A / 245.1** 7471

Primary Analyst: [signature] Date: 12-9-11

2nd Level Reviewer: _____ Date: _____

A. Calibration/Instrument Run QC	Yes	No	N/A
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels? "r" ≥ 0.995?	✓		
2. Instrument Performance Check beginning of run? 245.1: ±5%	✓		
3. ICV/CCV analyzed at appropriate frequency (every 10 samples) and within control limits? 245.1: ±5% ICV, ±10% CCV; 7470/71:±10% ICV, ±20% CCV	✓		
4. ICB/CCB analyzed at appropriate frequency (every 10 samples) and within < Report Limit?	✓		
B. Sample Results			
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed? (dilute to mid-pt of curve)	✓		
2. All reported results bracketed by in control QC?	✓		
3. Sample analyses done within holding time (28days)? If not, NCM generated?	✓		
C. Preparation/Matrix QC			
1. LCS done per prep batch and within QC limits? 245.1: 85-115%, 7470: 80-120%	✓		
2. LCSD RPD aqueous 20%			✓
3. LCSSRM/LCSDSRM (soil) manufactures limits, RPD 30%	✓	~~✓~~	[initials] 12-9-11
4. Method blank done per prep batch < RL	✓		
5. MS run at required frequency and within limits? 245.1: 1 per 10 field samples, 70-130%; 7470/71, 1:20, 75-125%	✓		
6. MSD or DU run at required frequency and RPD within limits aqueous ≤20%, solids ≤35%	✓		
D. Other			
1. Are all non-conformances documented appropriately?	✓		
2. Current MDL data on file? Annual LOD verification complete?	✓		
3. Calculations and transcriptions checked for error?	✓		
4. All client / project specific requirements met?	✓		
5. L4 data copied and attached to batch if required?	✓		
6. Date of analysis correct as reported in batch?	✓		

Comments:


WinHg Database 1.4
File Utility Help
RN RN
Protocol mercury
Dataset/Proto 12-09-11/mercury
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.76132e-5
C -1.62423e-2
Rho .999964
Calibrated
Accepted
Type Linear
Accept
Rel. Abs.
567170
Accepted
New
Include S2 Rep 1 2 3 4 5
Conc. 10.0
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 .017 .017 1878 1870 556 3200
02 .20000 .181 -.019 11211 8.22% 11862 10559
03 .50000 .463 -.037 27183 5.69% 26088 28277
04 1.0000 1.01 .012 58375 2.08% 57517 59234
05 5.0000 5.05 .054 287869 0.75% 289393 286344
06 10.000 9.97 -.027 567171 0.33% 568496 565846
Ready
CAP NUM

cup	sample ID	extended ID	weight	volume	? A D F P S U SC UI US C1..7
1	MB	84497	1.0000	1.0000	
2	LCSSRM	@5	1.0000	1.0000	
3	LCDSRM	@5	1.0000	1.0000	
4	37847A2G		1.0000	1.0000	
5	37847A2H	MS	1.0000	1.0000	
6	37847A2I	MSD	1.0000	1.0000	
7	37832A10C		1.0000	1.0000	
8	37847A1C		1.0000	1.0000	
9	37847A3C		1.0000	1.0000	
10	37847A4C		1.0000	1.0000	C4 C1
11	37847A5C		1.0000	1.0000	
12	37847A6C		1.0000	1.0000	
13	37847A8C		1.0000	1.0000	
14	37881A6E		1.0000	1.0000	
15	37839A1D		1.0000	1.0000	
16	37839B2B		1.0000	1.0000	
17	37839B3B		1.0000	1.0000	
18	37864B7A		1.0000	1.0000	
19	37864A8C		1.0000	1.0000	
20	37864A9C		1.0000	1.0000	C4 C1
21	13406A1C		1.0000	1.0000	
22	37960A1B		1.0000	1.0000	
23	37960A2B		1.0000	1.0000	
24	38006A1A		1.0000	1.0000	C4 C1
25			1.0000	1.0000	
26			1.0000	1.0000	
27			1.0000	1.0000	
28			1.0000	1.0000	
29			1.0000	1.0000	
30			1.0000	1.0000	
31			1.0000	1.0000	
32			1.0000	1.0000	
33			1.0000	1.0000	
34			1.0000	1.0000	
35			1.0000	1.0000	
36			1.0000	1.0000	
37			1.0000	1.0000	
38			1.0000	1.0000	
39			1.0000	1.0000	
40			1.0000	1.0000	
41			1.0000	1.0000	
42			1.0000	1.0000	
43			1.0000	1.0000	
44			1.0000	1.0000	

Hg Standards

ICV: High Purity Standards
Lot # 1030115
Exp. May 4, 2012

Intermediate Std. 25 mg/L PrepDate/Lot#: 082911
Expiration Date: 022912

Working Standard: 0.1 mg/L Prep Date/Lot#: 120611
Expiration Date: 121111

ICV Standard (5 ug/L): Prep Date/Lot#: 120911
Expiration Date: 121011

IPC: Spex Certi-Prep
Lot # 16-81Hg
Exp. March 30, 2012

Intermediate Std. 25 mg/L PrepDate/Lot#: 082911
Expiration Date: 022912

Working Standard: 0.1 mg/L Prep Date/Lot#: 120611
Expiration Date: 121111

IPC/CCV Standard (5 ug/L): Prep Date/Lot#: 120911
Expiration Date: 121011

Calibration Standards (Water):

Cal. Std. 1	0.2 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 2	0.5 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 3	1.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 4	5.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 5	10.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811

Calibration Standards (Soil):

Cal. Std. 1	0.2 ug/L	Prep Date/Lot #:	120911	Expires:	121011
Cal. Std. 2	0.5 ug/L	Prep Date/Lot #:	120911	Expires:	121011
Cal. Std. 3	1.0 ug/L	Prep Date/Lot #:	120911	Expires:	121011
Cal. Std. 4	5.0 ug/L	Prep Date/Lot #:	120911	Expires:	121011
Cal. Std. 5	10.0 ug/L	Prep Date/Lot #:	120911	Expires:	121011

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 0		11:03:06 09 Dec 11		HG
Hg	.000	ppb	-1721					
*** Standard: 1 Rep: 2				Seq: 1		11:04:58 09 Dec 11		HG
Hg	.000	ppb	2912					
*** Standard: 2 Rep: 1				Seq: 2		11:06:50 09 Dec 11		HG
Hg	.200	ppb	9464					
*** Standard: 2 Rep: 2				Seq: 3		11:08:46 09 Dec 11		HG
Hg	.200	ppb	9073					
*** Standard: 3 Rep: 1				Seq: 4		11:10:29 09 Dec 11		HG
Hg	.500	ppb	26088					
*** Standard: 3 Rep: 2				Seq: 5		11:12:16 09 Dec 11		HG
Hg	.500	ppb	28277					
*** Standard: 4 Rep: 1				Seq: 6		11:14:02 09 Dec 11		HG
Hg	1.00	ppb	57516					
*** Standard: 4 Rep: 2				Seq: 7		11:16:08 09 Dec 11		HG
Hg	1.00	ppb	59234					
*** Standard: 5 Rep: 1				Seq: 8		11:17:54 09 Dec 11		HG
Hg	5.00	ppb	289392					
*** Standard: 5 Rep: 2				Seq: 9		11:19:47 09 Dec 11		HG
Hg	5.00	ppb	286344					
*** Standard: 6 Rep: 1				Seq: 10		11:21:44 09 Dec 11		HG
Hg	10.0	ppb	568495					
*** Standard: 6 Rep: 2				Seq: 11		11:23:27 09 Dec 11		HG
Hg	10.0	ppb	565846					
*** Standard: 1 Rep: 1				Seq: 12		11:25:10 09 Dec 11		HG
Hg	.000	ppb	556					
*** Standard: 1 Rep: 2				Seq: 13		11:27:15 09 Dec 11		HG
Hg	.000	ppb	3200					

Line Conc. Units SD/RSD 1 2 3 4 5

*** Standard: 2 Rep: 1 Seq: 14 11:29:08 09 Dec 11 HG

Hg .200 ppb 11978

*** Standard: 2 Rep: 2 Seq: 15 11:31:01 09 Dec 11 HG

Hg .200 ppb 7926

*** Standard: 2 Rep: 1 Seq: 16 11:36:05 09 Dec 11 HG

Hg .200 ppb 11862

*** Standard: 2 Rep: 2 Seq: 17 11:38:26 09 Dec 11 HG

Hg .200 ppb 10559

*** Check Standard: 2 Ck2ICV Seq: 18 11:40:08 09 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	5.04	5.00	ppb	.000

*** Check Standard: 3 Ck3IPC Seq: 19 11:42:21 09 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.4	4.97	5.00	ppb	.000

*** Check Standard: 5 Ck5ICB Seq: 20 11:44:15 09 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		1.35	.001	.100	ppb	.000

*** Sample ID: MB Seq: 21 11:51:17 09 Dec 11 HG
84497

Hg -.075 ppb .000 -.075

*** Sample ID: LCSSRM Seq: 22 11:53:09 09 Dec 11 HG
@5

Hg 3.73 ppb .000 3.73

*** Sample ID: LCDSRM Seq: 23 11:54:54 09 Dec 11 HG
@5

Hg 3.45 ppb .000 3.45

*** Sample ID: 37847A2G Seq: 24 11:56:44 09 Dec 11 HG

Hg .015 ppb .000 .015

*** Sample ID: 37847A2H Seq: 25 11:58:27 09 Dec 11 HG
MS

Hg 4.72 ppb .000 4.72

*** Sample ID: 37847A2I Seq: 26 12:00:09 09 Dec 11 HG
MSD

Hg 5.00 ppb .000 5.00

*** Sample ID: 37832A10C Seq: 27 12:02:01 09 Dec 11 HG

Hg .020 ppb .000 .020

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: 37847A1C				Seq: 28		12:03:46 09 Dec 11			HG
Hg	.027	ppb	.000	.027					
*** Sample ID: 37847A3C				Seq: 29		12:05:37 09 Dec 11			HG
Hg	.033	ppb	.000	.033					
*** Sample ID: 37847A4C				Seq: 30		12:07:18 09 Dec 11			HG
Hg	.091	ppb	.000	.091					
*** Check Standard: 4 Ck4CCV				Seq: 31		12:09:06 09 Dec 11			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		100.	5.01	5.00	ppb	.000			
*** Check Standard: 1 Ck1CCB				Seq: 32		12:10:47 09 Dec 11			HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.007	.100	ppb	.000				
*** Sample ID: 37847A5C				Seq: 33		12:12:53 09 Dec 11			HG
Hg	.113	ppb	.000	.113					
*** Sample ID: 37847A6C				Seq: 34		12:14:40 09 Dec 11			HG
Hg	-.038	ppb	.000	-.038					
*** Sample ID: 37847A8C				Seq: 35		12:16:25 09 Dec 11			HG
Hg	-.039	ppb	.000	-.039					
*** Sample ID: 37881A6E				Seq: 36		12:18:21 09 Dec 11			HG
Hg	.046	ppb	.000	.046					
*** Sample ID: 37839A1D				Seq: 37		12:20:34 09 Dec 11			HG
Hg	.083	ppb	.000	.083					
*** Sample ID: 37839B2B				Seq: 38		12:22:16 09 Dec 11			HG
Hg	.022	ppb	.000	.022					
*** Sample ID: 37839B3B				Seq: 39		12:24:18 09 Dec 11			HG
Hg	-.004	ppb	.000	-.004					
*** Sample ID: 37864B7A				Seq: 40		12:26:29 09 Dec 11			HG
Hg	.065	ppb	.000	.065					
*** Sample ID: 37864A8C				Seq: 41		12:28:23 09 Dec 11			HG
Hg	.195	ppb	.000	.195					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 37864A9C Seq: 42 12:30:10 09 Dec 11 HG

Hg	.011	ppb	.000	.011

*** Check Standard: 4 Ck4CCV Seq: 43 12:31:53 09 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.4	4.97	5.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 44 12:33:58 09 Dec 11 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.028	.100	ppb	.000

*** Sample ID: 13406A1C Seq: 45 12:35:39 09 Dec 11 HG

Hg	1.35	ppb	.000	1.35

*** Sample ID: 37960A1B Seq: 46 12:37:31 09 Dec 11 HG

Hg	.003	ppb	.000	.003

*** Sample ID: 37960A2B Seq: 47 12:39:13 09 Dec 11 HG

Hg	.048	ppb	.000	.048

*** Sample ID: 38006A1A Seq: 48 12:41:04 09 Dec 11 HG

Hg	.210	ppb	.000	.210

*** Check Standard: 4 Ck4CCV Seq: 49 12:43:17 09 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.	5.01	5.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 50 12:45:38 09 Dec 11 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.062	.100	ppb	.000

METALS BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Batch Number: 84222 Batch Start Date: 12/02/11 10:40 Batch Analyst: Gutul, Olga

Batch Method: 3050B Batch End Date: 12/02/11 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MetQCSoil 00002	stlma-3 00060	stlma2 00053	
MB 360-84222/1		3050B, 6010B		2.00 g	100 mL				
LCSSRM 360-84222/2		3050B, 6010B		1.00 g	100 mL	1 g			
LCDSRM 360-84222/3		3050B, 6010B		1.00 g	100 mL	1 g			
360-37847-A-2	BC-SO-SB308-1012	3050B, 6010B	T	1.71 g	100 mL				
360-37847-A-2 MS	BC-SO-SB308-1012	3050B, 6010B	T	1.72 g	100 mL		1 mL	1 mL	
360-37847-A-2 MSD	BC-SO-SB308-1012	3050B, 6010B	T	1.72 g	100 mL		1 mL	1 mL	
360-37847-A-1	BC-SO-SB304-0406	3050B, 6010B	T	1.53 g	100 mL				
360-37847-A-3	BC-SO-SB305-1012	3050B, 6010B	T	1.63 g	100 mL				
360-37847-A-4	BC-SO-SB306-1012	3050B, 6010B	T	1.73 g	100 mL				
360-37847-A-5	BC-SO-SB305-0203	3050B, 6010B	T	1.78 g	100 mL				
360-37847-A-6	BC-SO-SB307-0810	3050B, 6010B	T	1.58 g	100 mL				
360-37847-A-8	BC-SO-SB200A-0406	3050B, 6010B	T	1.95 g	100 mL				

Batch Notes	
Hydrogen peroxide lot number	684607
Lot # of hydrochloric acid	692887
Logbook ID for diluted Nitric	690782
Lot # of Nitric Acid	688009
Hood ID or number	5
Hot Block ID number	1
Temperature	95 Degrees C

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Batch Number: 84497 Batch Start Date: 12/08/11 10:14 Batch Analyst: Gutul, Olga

Batch Method: 7471A Batch End Date: 12/08/11 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	METHG1mg/L 00789	MetQCSoil 00002		
MB 360-84497/1		7471A, 7471A		0.20 g	50 mL				
LCSSRM 360-84497/2		7471A, 7471A		0.10 g	50 mL		0.1 g		
LCDSRM 360-84497/3		7471A, 7471A		0.10 g	50 mL		0.1 g		
360-37847-A-2	BC-SO-SB308-1012	7471A, 7471A	T	0.24 g	50 mL				
360-37847-A-2 MS	BC-SO-SB308-1012	7471A, 7471A	T	0.23 g	50 mL	250 uL			
360-37847-A-2 MSD	BC-SO-SB308-1012	7471A, 7471A	T	0.25 g	50 mL	250 uL			
360-37847-A-1	BC-SO-SB304-0406	7471A, 7471A	T	0.28 g	50 mL				
360-37847-A-3	BC-SO-SB305-1012	7471A, 7471A	T	0.28 g	50 mL				
360-37847-A-4	BC-SO-SB306-1012	7471A, 7471A	T	0.23 g	50 mL				
360-37847-A-5	BC-SO-SB305-0203	7471A, 7471A	T	0.26 g	50 mL				
360-37847-A-6	BC-SO-SB307-0810	7471A, 7471A	T	0.27 g	50 mL				
360-37847-A-8	BC-SO-SB200A-0406	7471A, 7471A	T	0.23 g	50 mL				

Batch Notes	
Lot # of hydrochloric acid	692887
Lot # of Nitric Acid	688009
Hood ID or number	1
Potassium Permanganate Lot Number	678771

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-37847-1

SDG No.: 360-37847

Project: Beaton & Corbin Factory Site

Client Sample ID	Lab Sample ID
BC-SO-SB304-0406	360-37847-1
BC-SO-SB308-1012	360-37847-2
BC-SO-SB305-1012	360-37847-3
BC-SO-SB306-1012	360-37847-4
BC-SO-SB305-0203	360-37847-5
BC-SO-SB307-0810	360-37847-6
BC-SO-SB200A-0406	360-37847-8

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-37847-1

SDG Number: 360-37847

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 04/01/2005 17:54

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job Number: 360-37847-1

SDG Number: 360-37847

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XMDL Date: 09/01/2006 10:27

Analyte	Wavelength/ Mass	XRL (%)	XMDL (%)
Percent Moisture		1	1
Percent Solids		1	1

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/01/2011 09:25 End Date: 12/01/2011 14:40

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			09:25																					
ZZZZZZ			09:25																					
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ZZZZZZ			09:25																					
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ZZZZZZ			09:25																					
ZZZZZZ			09:25																					
360-37847-1	1	T	09:25	X	X																			
360-37847-2	1	T	09:25	X	X																			
360-37847-2 MS	1	T	09:25	X	X																			
360-37847-2 MSD	1	T	09:25	X	X																			
360-37847-3	1	T	09:25	X	X																			
360-37847-4	1	T	09:25	X	X																			
360-37847-5	1	T	09:25	X	X																			
360-37847-6	1	T	09:25	X	X																			
360-37847-8	1	T	09:25	X	X																			
ZZZZZZ			09:25																					
ZZZZZZ			09:25																					
ZZZZZZ			09:25																					
ZZZZZZ			14:40																					

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37847-1

SDG No.: 360-37847

Batch Number: 84149 Batch Start Date: 12/01/11 09:25 Batch Analyst: Gutul, Olga

Batch Method: Moisture Batch End Date: 12/02/11 09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
360-37847-A-1	BC-SO-SB304-0406	Moisture	T	1.04 g	14.59 g	12.27 g			
360-37847-A-2	BC-SO-SB308-1012	Moisture	T	1.04 g	11.44 g	9.88 g			
360-37847-A-2 MS	BC-SO-SB308-1012	Moisture	T	1.02 g	14.95 g	13.13 g			
360-37847-A-2 MSD	BC-SO-SB308-1012	Moisture	T	1.02 g	10.88 g	9.31 g			
360-37847-A-3	BC-SO-SB305-1012	Moisture	T	1.01 g	12.01 g	10.40 g			
360-37847-A-4	BC-SO-SB306-1012	Moisture	T	0.98 g	11.08 g	9.87 g			
360-37847-A-5	BC-SO-SB305-0203	Moisture	T	1.02 g	11.24 g	9.66 g			
360-37847-A-6	BC-SO-SB307-0810	Moisture	T	1.00 g	14.03 g	11.90 g			
360-37847-A-8	BC-SO-SB200A-0406	Moisture	T	1.02 g	10.94 g	10.18 g			

Batch Notes	

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 360-37847-1
SDG Number: 360-37847

Login Number: 37847
List Source: TestAmerica Westfield
List Number: 1
Creator: Beaumier, Janine E

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Chain of Custody Record

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Client Information	Sampler: R Clark	Lab PM:	Carrier Tracking No(s):	COC No: 017292
Client Contact: Keith Westberry	Phone: 860 673 3948	E-Mail:		Page: 1 of 1
Company: E-Tech				Job #:
Address: PO Box 2426	Due Date Requested: Contract			
City: Lindale	TAT Requested (days): Keith			
State, Zip: TX 75771				
Phone: 903 881 8309	Quote #:			
Email: Keith@etech.com	PO #:			
Project Name/number: Beaton + Corbin	WO #:			
Site: Southington CT	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; H - Ascorbic Acid; I - Ice; J - DI Water; M - Hexane; N - None; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; Z - other (specify)

Regulatory programs: MCP ☐ GW1/S1 ☐ RCP ☐ CT RSR ☐ DEP Form ☐ EDD Required ☐

Page 370 of 370 Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC CF 8260	EPH methods	Total Number of containers	Special Instructions/Note:
Preservation Code:											
BC-SO-SB304-0406	11/29/28	1320						✓	✓		
BC-SO-SB308-1012		1120						✓	✓		Lab QC MS/MSD
BC-SO-SB305-1012		0900						✓	✓		
BC-SO-SB306-1012		0955						✓	✓		
BC-SO-SB305-0203		0845						✓	✓		
BC-SO-SB307-0810		1440						✓	✓		
BC-TB-112911		0900						✓	✓		VOC must be analyzed or frozen upon receipt
BC-SO-SB200A-0406		1535						✓	✓		
					SB			11/30/11			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	11/30/11 0920			11-30-11 0820	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	11-30-11 10:35			11/30/11 10:35	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☒ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.3°C w/ ice

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 360-37900-1

SDG Number: 360-37900

Job Description: Beaton & Corbin Factory Site

For:
Etech Environmental & Safety Solutions
14395 County Road 434
Lindale, TX 75771

Attention: Mr. Keith Westberry



Approved for release.
Joe Chimi
Report Production Representative
12/15/2011 2:41 PM

Designee for
Lisa A Worthington
Project Manager II
lisa.worthington@testamericainc.com
12/15/2011

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, NELAP NH DES 2539, NELAP NY 10843, NY ELAP 10843, North Carolina 647. 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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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Etech Environmental & Safety Solutions**
Project Location:	**Southington CT**	***Project Number:***	**360-37900-1**
Laboratory Sample ID (s):	**360-37900-(1-9)**	***Sampling Date (s):***	**12/1/11**
Method:	**SW846 8260B, SW846 6010B, SW846 7470A**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6℃)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

This Certification form is to be used for RCP methods only

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

Authorized Signature:  Position: Laboratory Director

Printed Name: Steve Hartmann Date: 12/15/11 14:28

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Etech Environmental & Safety Solutions**
Project Location:	**Southington CT**	***Project Number:***	**360-37900-1**
Laboratory Sample ID (s):	**360-37900-(1-9)**	***Sampling Date (s):***	**12/1/11**
Method:	**MA DEP MA-EPH-LL**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes √	N/A	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6℃)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes		No √
	b) Were these reporting limits met?	Yes	N/A √	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

This Certification form is to be used for RCP methods only

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

Authorized Signature:  Position: Laboratory Director

Printed Name: Steve Hartmann Date: 12/15/11 14:28

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CASE NARRATIVE

Client: Etech Environmental & Safety Solutions

Project: Beaton & Corbin Factory Site

Report Number: 360-37900-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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 12/01/2011; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.2 and 0.7 C.

Regarding questions 5a and 5b on the CT RCP certification form, the laboratory has evaluated reporting limits against the most stringent class criteria in the absence of a specified class on the chain-of-custody.

The LCS Duplicate (LCSD) is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples BC-TB-GW-120111 (360-37900-1), BC-GW-MWDUP01-120111 (360-37900-2), BC-GW-MW25-120111 (360-37900-3), BC-GW-MW06-120111 (360-37900-4), BC-GW-MW301-120111 (360-37900-5), BC-GW-MW200A-120111 (360-37900-6), BC-GW-MW302-120111 (360-37900-7), BC-GW-MW304-120111 (360-37900-8) and BC-GW-MW305-120111 (360-37900-9) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B (RCP). The samples were analyzed on 12/08/2011 and 12/13/2011.

Carbon disulfide and Carbon tetrachloride failed the recovery criteria high for LCS 360-84486/3. Carbon disulfide failed the recovery criteria high for LCS 360-84762/3. Refer to the QC report for details.

1,1,1-Trichloroethane, 2,2-Dichloropropane and Carbon tetrachloride failed the recovery criteria high for the MS of sample BC-GW-MW06-120111 (360-37900-4) in batch 360-84486. 2,2-Dichloropropane and Carbon tetrachloride failed the recovery criteria high for the MSD of sample BC-GW-MW06-120111 (360-37900-4) in batch 360-84486. Refer to the QC report for details.

For batches 84486 and 84762, Carbon tetrachloride failed the continuing calibration verification (CCV) criteria high.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS - LOW LEVEL

Samples BC-GW-MWDUP01-120111 (360-37900-2), BC-GW-MW25-120111 (360-37900-3), BC-GW-MW06-120111 (360-37900-4), BC-GW-MW301-120111 (360-37900-5), BC-GW-MW200A-120111 (360-37900-6), BC-GW-MW302-120111 (360-37900-7), BC-GW-MW304-120111 (360-37900-8) and BC-GW-MW305-120111 (360-37900-9) were analyzed for extractable petroleum hydrocarbons - low level in accordance with MA DEP MA-EPH-LL. The samples were prepared on 12/08/2011 and analyzed on 12/13/2011.

The samples submitted for MA DEP EPH analysis were received with sufficient preservation (pH <2).

n-Decane failed the recovery criteria low for LCS 360-84516/2-A. Refer to the QC report for details.

Dodecane, n-Decane and n-Nonane failed the recovery criteria low for the MS and MSD of sample BC-GW-MW06-120111 (360-37900-4) in batch 360-84720. Refer to the QC report for details.

According to EPH method reference 11.2.6.2, using GC/MS, the laboratory has identified a single component contaminant that appears at the same retention time in all laboratory and field samples. This contaminant is derived from the method's SPE cartridge and is not

included in the calculation of the C11-C22 Aromatics range.

No other difficulties were encountered during the EPH - low level analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples BC-GW-MWDUP01-120111 (360-37900-2), BC-GW-MW25-120111 (360-37900-3), BC-GW-MW06-120111 (360-37900-4), BC-GW-MW301-120111 (360-37900-5), BC-GW-MW200A-120111 (360-37900-6), BC-GW-MW302-120111 (360-37900-7), BC-GW-MW304-120111 (360-37900-8) and BC-GW-MW305-120111 (360-37900-9) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 12/02/2011.

The ICSAB for batch 84305 exceeded the acceptance limits for target elements. The sample cup went dry before the standard was finished reading on the instrument. The ICSA was in control for all elements. The system was proven to be in control with the opening ICSA/AB.

No difficulties were encountered during the total metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples BC-GW-MWDUP01-120111 (360-37900-2), BC-GW-MW25-120111 (360-37900-3), BC-GW-MW06-120111 (360-37900-4), BC-GW-MW301-120111 (360-37900-5), BC-GW-MW200A-120111 (360-37900-6), BC-GW-MW302-120111 (360-37900-7), BC-GW-MW304-120111 (360-37900-8) and BC-GW-MW305-120111 (360-37900-9) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A (RCP). The samples were prepared and analyzed on 12/07/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-37900-1	BC-TB-GW-120111	Water	12/01/2011 0800	12/01/2011 1705
360-37900-2	BC-GW-MWDUP01-120111	Water	12/01/2011 1200	12/01/2011 1705
360-37900-3	BC-GW-MW25-120111	Water	12/01/2011 1220	12/01/2011 1705
360-37900-4	BC-GW-MW06-120111	Water	12/01/2011 1045	12/01/2011 1705
360-37900-4MS	BC-GW-MW06-120111	Water	12/01/2011 1045	12/01/2011 1705
360-37900-4MSD	BC-GW-MW06-120111	Water	12/01/2011 1045	12/01/2011 1705
360-37900-5	BC-GW-MW301-120111	Water	12/01/2011 1215	12/01/2011 1705
360-37900-6	BC-GW-MW200A-120111	Water	12/01/2011 0845	12/01/2011 1705
360-37900-7	BC-GW-MW302-120111	Water	12/01/2011 1031	12/01/2011 1705
360-37900-8	BC-GW-MW304-120111	Water	12/01/2011 1410	12/01/2011 1705
360-37900-9	BC-GW-MW305-120111	Water	12/01/2011 1450	12/01/2011 1705

EXECUTIVE SUMMARY - Detections

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
360-37900-2	**BC-GW-MWDUP01-120111**					
1,1,1-Trichloroethane		17		1.0	ug/L	8260B
1,1-Dichloroethane		16		1.0	ug/L	8260B
1,1-Dichloroethene		2.4		1.0	ug/L	8260B
1,2-Dichlorobenzene		2.2		1.0	ug/L	8260B
cis-1,2-Dichloroethene		31		1.0	ug/L	8260B
Isopropylbenzene		1.4		1.0	ug/L	8260B
sec-Butylbenzene		5.2		1.0	ug/L	8260B
tert-Butylbenzene		1.6		1.0	ug/L	8260B
Tetrachloroethene		1.6		1.0	ug/L	8260B
Trichloroethene		32		1.0	ug/L	8260B
Vinyl chloride		2.0		0.50	ug/L	8260B
Naphthalene		1.5		0.98	ug/L	MA-EPH-LL
Barium		88		10	ug/L	6010B
Cadmium		2.3		1.0	ug/L	6010B
Chromium		8.5		5.0	ug/L	6010B
360-37900-3	**BC-GW-MW25-120111**					
Barium		190		10	ug/L	6010B
360-37900-4	**BC-GW-MW06-120111**					
1,1,1-Trichloroethane		20		1.0	ug/L	8260B
1,1-Dichloroethane		19		1.0	ug/L	8260B
1,1-Dichloroethene		2.7		1.0	ug/L	8260B
1,2-Dichlorobenzene		2.4		1.0	ug/L	8260B
cis-1,2-Dichloroethene		36		1.0	ug/L	8260B
Isopropylbenzene		1.6		1.0	ug/L	8260B
sec-Butylbenzene		6.0		1.0	ug/L	8260B
tert-Butylbenzene		1.9		1.0	ug/L	8260B
Tetrachloroethene		1.9		1.0	ug/L	8260B
Trichloroethene		38		1.0	ug/L	8260B
Vinyl chloride		2.3		0.50	ug/L	8260B
Naphthalene		1.8		0.98	ug/L	MA-EPH-LL
Barium		88		10	ug/L	6010B
Cadmium		2.3		1.0	ug/L	6010B
Chromium		8.9		5.0	ug/L	6010B
360-37900-5	**BC-GW-MW301-120111**					
Barium		150		10	ug/L	6010B
Chromium		24		5.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
360-37900-6	**BC-GW-MW200A-120111**					
Barium		120		10	ug/L	6010B
360-37900-7	**BC-GW-MW302-120111**					
1,1,1-Trichloroethane		34		1.0	ug/L	8260B
1,1-Dichloroethene		1.8		1.0	ug/L	8260B
cis-1,2-Dichloroethene		2.0		1.0	ug/L	8260B
Tetrachloroethene		2.6		1.0	ug/L	8260B
Trichloroethene		78		1.0	ug/L	8260B
Barium		100		10	ug/L	6010B
Chromium		510		5.0	ug/L	6010B
360-37900-8	**BC-GW-MW304-120111**					
Barium		170		10	ug/L	6010B
360-37900-9	**BC-GW-MW305-120111**					
1,1,1-Trichloroethane		5.2		1.0	ug/L	8260B
cis-1,2-Dichloroethene		1.2		1.0	ug/L	8260B
Trichloroethene		48		1.0	ug/L	8260B
Barium		150		10	ug/L	6010B
Chromium		2100		5.0	ug/L	6010B

METHOD SUMMARY

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Purge and Trap	TAL WFD		SW846 5030B
Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)	TAL WFD	MA DEP MA-EPH-LL	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Total Metals	TAL WFD		SW846 3010A
Mercury (CVAA)	TAL WFD	SW846 7470A	
Preparation, Mercury	TAL WFD		SW846 7470A

Lab References:

TAL WFD = TestAmerica Westfield

Method References:

MA DEP = Massachusetts Department Of Environmental Protection

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

METHOD / ANALYST SUMMARY

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Method	Analyst	Analyst ID
SW846 8260B	Hartmann, Tam	TH
MA DEP MA-EPH-LL	Malanowski, Victoria M	VMM
SW846 6010B	Smith, Tim J	TJS
SW846 7470A	Smith, Tim J	TJS

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-TB-GW-120111**

Lab Sample ID: 360-37900-1
Client Matrix: Water

Date Sampled: 12/01/2011 0800
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22931.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 1916			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 1916				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-TB-GW-120111**

Lab Sample ID: 360-37900-1
Client Matrix: Water

Date Sampled: 12/01/2011 0800
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22931.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 1916			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 1916				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	109		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MWDUP01-120111**

Lab Sample ID: 360-37900-2
Client Matrix: Water

Date Sampled: 12/01/2011 1200
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84762	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22993.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/13/2011 1655			Final Weight/Volume:	5 mL
Prep Date:	12/13/2011 1655				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	17		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	16		1.0
1,1-Dichloroethene	2.4		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	2.2		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	31		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MWDUP01-120111**

Lab Sample ID: 360-37900-2
Client Matrix: Water

Date Sampled: 12/01/2011 1200
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84762	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22993.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/13/2011 1655			Final Weight/Volume:	5 mL
Prep Date:	12/13/2011 1655				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	1.4		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	5.2		1.0
Styrene	ND		1.0
tert-Butylbenzene	1.6		1.0
Tetrachloroethene	1.6		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	32		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	2.0		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	105		70 - 130
Dibromofluoromethane	109		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW25-120111**

Lab Sample ID: 360-37900-3
Client Matrix: Water

Date Sampled: 12/01/2011 1220
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22933.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 1959			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 1959				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW25-120111**

Lab Sample ID: 360-37900-3
Client Matrix: Water

Date Sampled: 12/01/2011 1220
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22933.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 1959			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 1959				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	108		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW06-120111**

Lab Sample ID: 360-37900-4
Client Matrix: Water

Date Sampled: 12/01/2011 1045
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22934.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2021			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2021				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	20		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	19		1.0
1,1-Dichloroethene	2.7		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	2.4		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	36		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW06-120111**

Lab Sample ID: 360-37900-4
Client Matrix: Water

Date Sampled: 12/01/2011 1045
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22934.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2021			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2021				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	1.6		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	6.0		1.0
Styrene	ND		1.0
tert-Butylbenzene	1.9		1.0
Tetrachloroethene	1.9		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	38		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	2.3		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	106		70 - 130
Dibromofluoromethane	110		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW301-120111**

Lab Sample ID: 360-37900-5
Client Matrix: Water

Date Sampled: 12/01/2011 1215
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22935.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2043			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2043				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW301-120111**

Lab Sample ID: 360-37900-5
Client Matrix: Water

Date Sampled: 12/01/2011 1215
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22935.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2043			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2043				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	109		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW200A-120111**

Lab Sample ID: 360-37900-6
Client Matrix: Water

Date Sampled: 12/01/2011 0845
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22936.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2104			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2104				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW200A-120111**

Lab Sample ID: 360-37900-6
Client Matrix: Water

Date Sampled: 12/01/2011 0845
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22936.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2104			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2104				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane	108		70 - 130
Toluene-d8 (Surr)	104		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW302-120111**

Lab Sample ID: 360-37900-7
Client Matrix: Water

Date Sampled: 12/01/2011 1031
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22937.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2126			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2126				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	34		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	1.8		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	2.0		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW302-120111**

Lab Sample ID: 360-37900-7
Client Matrix: Water

Date Sampled: 12/01/2011 1031
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22937.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2126			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2126				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	2.6		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	78		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	110		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW304-120111**

Lab Sample ID: 360-37900-8
Client Matrix: Water

Date Sampled: 12/01/2011 1410
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22938.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2148			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2148				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW304-120111**

Lab Sample ID: 360-37900-8
Client Matrix: Water

Date Sampled: 12/01/2011 1410
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22938.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2148			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2148				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	111		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW305-120111**

Lab Sample ID: 360-37900-9
Client Matrix: Water

Date Sampled: 12/01/2011 1450
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22939.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2210			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2210				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	5.2		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	1.2		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW305-120111**

Lab Sample ID: 360-37900-9
Client Matrix: Water

Date Sampled: 12/01/2011 1450
Date Received: 12/01/2011 1705

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22939.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2210			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2210				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	48		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	110		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MWDUP01-120111**

Lab Sample ID: 360-37900-2
Client Matrix: Water

Date Sampled: 12/01/2011 1200
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1025 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 1743			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.98
Acenaphthylene	ND		0.29
Anthracene	ND		0.98
Benzo[a]anthracene	ND		0.29
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.29
Benzo[g,h,i]perylene	ND		0.49
Benzo[k]fluoranthene	ND		0.29
Chrysene	ND		0.98
Dibenz(a,h)anthracene	ND		0.44
Fluoranthene	ND		0.98
Fluorene	ND		0.98
Indeno[1,2,3-cd]pyrene	ND		0.44
2-Methylnaphthalene	ND		0.98
Naphthalene	1.5		0.98
Phenanthrene	ND		0.20
Pyrene	ND		0.98
C11-C22 Aromatics	ND		98
C11-C22 Aromatics (Adjusted)	ND		98
C19-C36 Aliphatics	ND		98
C9-C18 Aliphatics	ND		98
Total EPH	ND		98

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	86		40 - 140
2-Fluorobiphenyl	85		40 - 140
o-Terphenyl	80		40 - 140
1-Chlorooctadecane	72		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW25-120111**

Lab Sample ID: 360-37900-3
Client Matrix: Water

Date Sampled: 12/01/2011 1220
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1025 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 1817			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.98
Acenaphthylene	ND		0.29
Anthracene	ND		0.98
Benzo[a]anthracene	ND		0.29
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.29
Benzo[g,h,i]perylene	ND		0.49
Benzo[k]fluoranthene	ND		0.29
Chrysene	ND		0.98
Dibenz(a,h)anthracene	ND		0.44
Fluoranthene	ND		0.98
Fluorene	ND		0.98
Indeno[1,2,3-cd]pyrene	ND		0.44
2-Methylnaphthalene	ND		0.98
Naphthalene	ND		0.98
Phenanthrene	ND		0.20
Pyrene	ND		0.98
C11-C22 Aromatics	ND		98
C11-C22 Aromatics (Adjusted)	ND		98
C19-C36 Aliphatics	ND		98
C9-C18 Aliphatics	ND		98
Total EPH	ND		98

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	81		40 - 140
2-Fluorobiphenyl	81		40 - 140
o-Terphenyl	83		40 - 140
1-Chlorooctadecane	78		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW06-120111**

Lab Sample ID: 360-37900-4
Client Matrix: Water

Date Sampled: 12/01/2011 1045
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1020 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 1851			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.98
Acenaphthylene	ND		0.29
Anthracene	ND		0.98
Benzo[a]anthracene	ND		0.29
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.29
Benzo[g,h,i]perylene	ND		0.49
Benzo[k]fluoranthene	ND		0.29
Chrysene	ND		0.98
Dibenz(a,h)anthracene	ND		0.44
Fluoranthene	ND		0.98
Fluorene	ND		0.98
Indeno[1,2,3-cd]pyrene	ND		0.44
2-Methylnaphthalene	ND		0.98
Naphthalene	1.8		0.98
Phenanthrene	ND		0.20
Pyrene	ND		0.98
C11-C22 Aromatics	ND		98
C11-C22 Aromatics (Adjusted)	ND		98
C19-C36 Aliphatics	ND		98
C9-C18 Aliphatics	ND		98
Total EPH	ND		98

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	79		40 - 140
2-Fluorobiphenyl	78		40 - 140
o-Terphenyl	79		40 - 140
1-Chlorooctadecane	77		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW301-120111**

Lab Sample ID: 360-37900-5
Client Matrix: Water

Date Sampled: 12/01/2011 1215
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1010 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 2033			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.99
Acenaphthylene	ND		0.30
Anthracene	ND		0.99
Benzo[a]anthracene	ND		0.30
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.30
Benzo[g,h,i]perylene	ND		0.50
Benzo[k]fluoranthene	ND		0.30
Chrysene	ND		0.99
Dibenz(a,h)anthracene	ND		0.45
Fluoranthene	ND		0.99
Fluorene	ND		0.99
Indeno[1,2,3-cd]pyrene	ND		0.45
2-Methylnaphthalene	ND		0.99
Naphthalene	ND		0.99
Phenanthrene	ND		0.20
Pyrene	ND		0.99
C11-C22 Aromatics	ND		99
C11-C22 Aromatics (Adjusted)	ND		99
C19-C36 Aliphatics	ND		99
C9-C18 Aliphatics	ND		99
Total EPH	ND		99

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	81		40 - 140
2-Fluorobiphenyl	81		40 - 140
o-Terphenyl	89		40 - 140
1-Chlorooctadecane	93		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW200A-120111**

Lab Sample ID: 360-37900-6
Client Matrix: Water

Date Sampled: 12/01/2011 0845
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 2108			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.96
Acenaphthylene	ND		0.29
Anthracene	ND		0.96
Benzo[a]anthracene	ND		0.29
Benzo[a]pyrene	ND		0.19
Benzo[b]fluoranthene	ND		0.29
Benzo[g,h,i]perylene	ND		0.48
Benzo[k]fluoranthene	ND		0.29
Chrysene	ND		0.96
Dibenz(a,h)anthracene	ND		0.43
Fluoranthene	ND		0.96
Fluorene	ND		0.96
Indeno[1,2,3-cd]pyrene	ND		0.43
2-Methylnaphthalene	ND		0.96
Naphthalene	ND		0.96
Phenanthrene	ND		0.19
Pyrene	ND		0.96
C11-C22 Aromatics	ND		96
C11-C22 Aromatics (Adjusted)	ND		96
C19-C36 Aliphatics	ND		96
C9-C18 Aliphatics	ND		96
Total EPH	ND		96

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	83		40 - 140
2-Fluorobiphenyl	82		40 - 140
o-Terphenyl	89		40 - 140
1-Chlorooctadecane	90		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW302-120111**

Lab Sample ID: 360-37900-7
Client Matrix: Water

Date Sampled: 12/01/2011 1031
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1015 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 2141			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.99
Acenaphthylene	ND		0.30
Anthracene	ND		0.99
Benzo[a]anthracene	ND		0.30
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.30
Benzo[g,h,i]perylene	ND		0.49
Benzo[k]fluoranthene	ND		0.30
Chrysene	ND		0.99
Dibenz(a,h)anthracene	ND		0.44
Fluoranthene	ND		0.99
Fluorene	ND		0.99
Indeno[1,2,3-cd]pyrene	ND		0.44
2-Methylnaphthalene	ND		0.99
Naphthalene	ND		0.99
Phenanthrene	ND		0.20
Pyrene	ND		0.99
C11-C22 Aromatics	ND		99
C11-C22 Aromatics (Adjusted)	ND		99
C19-C36 Aliphatics	ND		99
C9-C18 Aliphatics	ND		99
Total EPH	ND		99

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	84		40 - 140
2-Fluorobiphenyl	84		40 - 140
o-Terphenyl	80		40 - 140
1-Chlorooctadecane	78		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW304-120111**

Lab Sample ID: 360-37900-8
Client Matrix: Water

Date Sampled: 12/01/2011 1410
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 2216			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		1.0
Acenaphthylene	ND		0.30
Anthracene	ND		1.0
Benzo[a]anthracene	ND		0.30
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.30
Benzo[g,h,i]perylene	ND		0.50
Benzo[k]fluoranthene	ND		0.30
Chrysene	ND		1.0
Dibenz(a,h)anthracene	ND		0.45
Fluoranthene	ND		1.0
Fluorene	ND		1.0
Indeno[1,2,3-cd]pyrene	ND		0.45
2-Methylnaphthalene	ND		1.0
Naphthalene	ND		1.0
Phenanthrene	ND		0.20
Pyrene	ND		1.0
C11-C22 Aromatics	ND		100
C11-C22 Aromatics (Adjusted)	ND		100
C19-C36 Aliphatics	ND		100
C9-C18 Aliphatics	ND		100
Total EPH	ND		100

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	82		40 - 140
2-Fluorobiphenyl	82		40 - 140
o-Terphenyl	84		40 - 140
1-Chlorooctadecane	84		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW305-120111**

Lab Sample ID: 360-37900-9
Client Matrix: Water

Date Sampled: 12/01/2011 1450
Date Received: 12/01/2011 1705

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/13/2011 2250			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.97
Acenaphthylene	ND		0.29
Anthracene	ND		0.97
Benzo[a]anthracene	ND		0.29
Benzo[a]pyrene	ND		0.19
Benzo[b]fluoranthene	ND		0.29
Benzo[g,h,i]perylene	ND		0.49
Benzo[k]fluoranthene	ND		0.29
Chrysene	ND		0.97
Dibenz(a,h)anthracene	ND		0.44
Fluoranthene	ND		0.97
Fluorene	ND		0.97
Indeno[1,2,3-cd]pyrene	ND		0.44
2-Methylnaphthalene	ND		0.97
Naphthalene	ND		0.97
Phenanthrene	ND		0.19
Pyrene	ND		0.97
C11-C22 Aromatics	ND		97
C11-C22 Aromatics (Adjusted)	ND		97
C19-C36 Aliphatics	ND		97
C9-C18 Aliphatics	ND		97
Total EPH	ND		97

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	80		40 - 140
2-Fluorobiphenyl	79		40 - 140
o-Terphenyl	83		40 - 140
1-Chlorooctadecane	84		40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MWDUP01-120111**

Lab Sample ID: 360-37900-2
Client Matrix: Water

Date Sampled: 12/01/2011 1200
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1610			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	88		10
Cadmium	2.3		1.0
Chromium	8.5		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1322			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW25-120111**

Lab Sample ID: 360-37900-3
Client Matrix: Water

Date Sampled: 12/01/2011 1220
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1613			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	190		10
Cadmium	ND		1.0
Chromium	ND		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1324			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW06-120111**

Lab Sample ID: 360-37900-4
Client Matrix: Water

Date Sampled: 12/01/2011 1045
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1556			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	88		10
Cadmium	2.3		1.0
Chromium	8.9		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1310			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW301-120111**

Lab Sample ID: 360-37900-5
Client Matrix: Water

Date Sampled: 12/01/2011 1215
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1616			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	150		10
Cadmium	ND		1.0
Chromium	24		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1330			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW200A-120111**

Lab Sample ID: 360-37900-6
Client Matrix: Water

Date Sampled: 12/01/2011 0845
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1619			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	120		10
Cadmium	ND		1.0
Chromium	ND		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1332			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW302-120111**

Lab Sample ID: 360-37900-7
Client Matrix: Water

Date Sampled: 12/01/2011 1031
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1628			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	100		10
Cadmium	ND		1.0
Chromium	510		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1333			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW304-120111**

Lab Sample ID: 360-37900-8
Client Matrix: Water

Date Sampled: 12/01/2011 1410
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1631			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	170		10
Cadmium	ND		1.0
Chromium	ND		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1335			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Client Sample ID: **BC-GW-MW305-120111**

Lab Sample ID: 360-37900-9
Client Matrix: Water

Date Sampled: 12/01/2011 1450
Date Received: 12/01/2011 1705

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1634			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		12
Arsenic	ND		10
Barium	150		10
Cadmium	ND		1.0
Chromium	2100		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1337			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	TOL %Rec	BFB %Rec
360-37900-1	BC-TB-GW-120111	109	103	98
360-37900-2	BC-GW-MWDUP01-120111	109	98	105
360-37900-3	BC-GW-MW25-120111	108	102	96
360-37900-4	BC-GW-MW06-120111	110	102	106
360-37900-5	BC-GW-MW301-120111	109	103	98
360-37900-6	BC-GW-MW200A-120111	108	104	97
360-37900-7	BC-GW-MW302-120111	110	101	99
360-37900-8	BC-GW-MW304-120111	111	103	98
360-37900-9	BC-GW-MW305-120111	110	102	98
MB 360-84486/6		108	102	98
MB 360-84762/6		109	101	97
LCS 360-84486/3		109	104	99
LCS 360-84762/3		107	101	97
LCSD 360-84486/4		109	103	98
LCSD 360-84762/4		107	100	98
360-37900-4 MS	BC-GW-MW06-120111 MS	111	101	103
360-37900-4 MSD	BC-GW-MW06-120111 MSD	110	101	105

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Surrogate Recovery Report

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP1 %Rec	2BN1 %Rec	OTPH1 %Rec	1COD2 %Rec
360-37900-2	BC-GW-MWDUP01-120111	85	86	80	72
360-37900-3	BC-GW-MW25-120111	81	81	83	78
360-37900-4	BC-GW-MW06-120111	78	79	79	77
360-37900-5	BC-GW-MW301-120111	81	81	89	93
360-37900-6	BC-GW-MW200A-120111	82	83	89	90
360-37900-7	BC-GW-MW302-120111	84	84	80	78
360-37900-8	BC-GW-MW304-120111	82	82	84	84
360-37900-9	BC-GW-MW305-120111	79	80	83	84
MB 360-84516/1-A		74	74	73	78
LCS 360-84516/2-A		76	76	91	83
LCSD 360-84516/3-A		75	75	83	80
360-37900-4 MS	BC-GW-MW06-120111 MS	85	86	84	70
360-37900-4 MSD	BC-GW-MW06-120111 MSD	79	80	75	67

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	40-140
2BN = 2-Bromonaphthalene	40-140
OTPH = o-Terphenyl	40-140
1COD = 1-Chlorooctadecane	40-140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Method Blank - Batch: 360-84486

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-84486/6	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22921.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 1513	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 1513				
Leach Date:	N/A				

Analyte	Result	Qual	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Method Blank - Batch: 360-84486

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-84486/6	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22921.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 1513	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 1513				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Ethylbenzene	ND		1.0
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	70 - 130
Dibromofluoromethane	108	70 - 130
Toluene-d8 (Surr)	102	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84486

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-84486/3	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22918.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 1407	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 1407				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84486/4	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22919.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 1429	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 1429				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	110	105	70 - 130	5	25		
1,1,1-Trichloroethane	125	117	70 - 130	7	25		
1,1,2,2-Tetrachloroethane	79	79	70 - 130	0	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	114	110	70 - 130	3	25		
1,1,2-Trichloroethane	100	102	70 - 130	2	25		
1,1-Dichloroethane	107	101	70 - 130	6	25		
1,1-Dichloroethene	115	107	70 - 130	8	25		
1,1-Dichloropropene	110	102	70 - 130	7	25		
1,2,3-Trichlorobenzene	96	97	70 - 130	1	25		
1,2,3-Trichloropropane	95	94	70 - 130	1	25		
1,2,4-Trichlorobenzene	103	102	70 - 130	1	25		
1,2,4-Trimethylbenzene	104	100	70 - 130	3	25		
1,2-Dibromo-3-Chloropropane	92	95	70 - 130	3	25		
1,2-Dichlorobenzene	96	94	70 - 130	2	25		
1,2-Dichloroethane	110	107	70 - 130	3	25		
1,2-Dichloropropane	96	93	70 - 130	3	25		
1,3,5-Trimethylbenzene	104	100	70 - 130	4	25		
1,3-Dichlorobenzene	108	105	70 - 130	2	25		
1,3-Dichloropropane	100	99	70 - 130	1	25		
1,4-Dichlorobenzene	97	95	70 - 130	2	25		
2,2-Dichloropropane	127	120	70 - 130	6	25		
2-Butanone (MEK)	94	90	70 - 130	4	25		
2-Chlorotoluene	98	94	70 - 130	5	25		
2-Hexanone	94	92	70 - 130	2	25		
4-Chlorotoluene	97	94	70 - 130	3	25		
4-Isopropyltoluene	111	106	70 - 130	5	25		
4-Methyl-2-pentanone (MIBK)	92	89	70 - 130	3	25		
Acetone	98	95	70 - 130	3	25		
Acrylonitrile	103	96	70 - 130	7	25		
Benzene	106	101	70 - 130	5	25		
Bromobenzene	90	89	70 - 130	2	25		
Bromoform	101	99	70 - 130	2	25		
Bromomethane	107	110	70 - 130	2	25		
Carbon disulfide	136	134	70 - 130	1	25	*	
Carbon tetrachloride	139	131	70 - 130	6	25	*	
Chlorobenzene	103	99	70 - 130	4	25		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84486

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-84486/3	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22918.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 1407	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 1407				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84486/4	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22919.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 1429	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 1429				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chlorodibromomethane	116	113	70 - 130	3	25		
Chloroethane	94	94	70 - 130	1	25		
Chloroform	107	103	70 - 130	4	25		
Chloromethane	86	83	70 - 130	4	25		
cis-1,2-Dichloroethene	102	97	70 - 130	5	25		
cis-1,3-Dichloropropene	107	105	70 - 130	2	25		
Dibromomethane	108	107	70 - 130	1	25		
Dichlorobromomethane	110	105	70 - 130	4	25		
Dichlorodifluoromethane	119	111	70 - 130	7	25		
Ethylbenzene	98	94	70 - 130	4	25		
Ethylene Dibromide	109	108	70 - 130	1	25		
Hexachlorobutadiene	110	105	70 - 130	5	25		
Isopropylbenzene	102	99	70 - 130	3	25		
m-Xylene & p-Xylene	100	96	70 - 130	5	25		
Methyl tert-butyl ether	110	108	70 - 130	2	25		
Methylene Chloride	117	113	70 - 130	4	25		
n-Butylbenzene	95	89	70 - 130	6	25		
N-Propylbenzene	100	95	70 - 130	5	25		
Naphthalene	85	86	70 - 130	1	25		
o-Xylene	100	97	70 - 130	3	25		
sec-Butylbenzene	103	99	70 - 130	4	25		
Styrene	100	98	70 - 130	3	25		
tert-Butylbenzene	106	101	70 - 130	5	25		
Tetrachloroethene	124	115	70 - 130	7	25		
Tetrahydrofuran	91	89	70 - 130	2	25		
Toluene	108	102	70 - 130	6	25		
trans-1,2-Dichloroethene	105	98	70 - 130	6	25		
trans-1,3-Dichloropropene	110	109	70 - 130	1	25		
trans-1,4-Dichloro-2-butene	96	95	70 - 130	1	25		
Trichloroethene	113	106	70 - 130	6	25		
Trichlorofluoromethane	119	111	70 - 130	7	25		
Vinyl chloride	97	91	70 - 130	6	25		
Xylenes, Total	100	96	70 - 130	4	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	98	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Dibromofluoromethane	109	109	70 - 130
Toluene-d8 (Surr)	104	103	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84486

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-84486/3	Units:	ug/L	LCSD Lab Sample ID:	LCSD 360-84486/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/08/2011 1407			Analysis Date:	12/08/2011 1429
Prep Date:	12/08/2011 1407			Prep Date:	12/08/2011 1429
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
1,1,1,2-Tetrachloroethane	20.0	20.0	22.0		21.0
1,1,1-Trichloroethane	20.0	20.0	24.9		23.3
1,1,2,2-Tetrachloroethane	20.0	20.0	15.8		15.8
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.0	22.7		22.0
1,1,2-Trichloroethane	20.0	20.0	19.9		20.4
1,1-Dichloroethane	20.0	20.0	21.3		20.1
1,1-Dichloroethene	20.0	20.0	23.0		21.3
1,1-Dichloropropene	20.0	20.0	21.9		20.4
1,2,3-Trichlorobenzene	20.0	20.0	19.1		19.3
1,2,3-Trichloropropane	20.0	20.0	18.9		18.7
1,2,4-Trichlorobenzene	20.0	20.0	20.6		20.4
1,2,4-Trimethylbenzene	20.0	20.0	20.7		20.0
1,2-Dibromo-3-Chloropropane	20.0	20.0	18.3		18.9
1,2-Dichlorobenzene	20.0	20.0	19.1		18.8
1,2-Dichloroethane	20.0	20.0	21.9		21.3
1,2-Dichloropropane	20.0	20.0	19.1		18.5
1,3,5-Trimethylbenzene	20.0	20.0	20.8		19.9
1,3-Dichlorobenzene	20.0	20.0	21.5		21.0
1,3-Dichloropropane	20.0	20.0	19.9		19.7
1,4-Dichlorobenzene	20.0	20.0	19.4		19.0
2,2-Dichloropropane	20.0	20.0	25.4		24.0
2-Butanone (MEK)	200	200	188		181
2-Chlorotoluene	20.0	20.0	19.6		18.7
2-Hexanone	200	200	188		184
4-Chlorotoluene	20.0	20.0	19.4		18.8
4-Isopropyltoluene	20.0	20.0	22.2		21.1
4-Methyl-2-pentanone (MIBK)	200	200	184		177
Acetone	200	200	195		190
Acrylonitrile	20.0	20.0	20.5		19.1
Benzene	20.0	20.0	21.2		20.1
Bromobenzene	20.0	20.0	18.0		17.7
Bromoform	20.0	20.0	20.2		19.8
Bromomethane	20.0	20.0	21.4		21.9
Carbon disulfide	20.0	20.0	27.1	*	26.7
Carbon tetrachloride	20.0	20.0	27.8	*	26.1
Chlorobenzene	20.0	20.0	20.6		19.8
Chlorodibromomethane	20.0	20.0	23.2		22.6
Chloroethane	20.0	20.0	18.8		18.7
Chloroform	20.0	20.0	21.4		20.5

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84486

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-84486/3	Units:	ug/L	LCSD Lab Sample ID:	LCSD 360-84486/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/08/2011 1407			Analysis Date:	12/08/2011 1429
Prep Date:	12/08/2011 1407			Prep Date:	12/08/2011 1429
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chloromethane	20.0	20.0	17.2	16.5
cis-1,2-Dichloroethene	20.0	20.0	20.3	19.3
cis-1,3-Dichloropropene	20.0	20.0	21.4	20.9
Dibromomethane	20.0	20.0	21.6	21.4
Dichlorobromomethane	20.0	20.0	21.9	21.0
Dichlorodifluoromethane	20.0	20.0	23.8	22.2
Ethylbenzene	20.0	20.0	19.5	18.7
Ethylene Dibromide	20.0	20.0	21.8	21.6
Hexachlorobutadiene	20.0	20.0	21.9	20.9
Isopropylbenzene	20.0	20.0	20.4	19.8
m-Xylene & p-Xylene	40.0	40.0	40.1	38.3
Methyl tert-butyl ether	20.0	20.0	22.0	21.6
Methylene Chloride	20.0	20.0	23.4	22.5
n-Butylbenzene	20.0	20.0	18.9	17.8
N-Propylbenzene	20.0	20.0	20.0	19.0
Naphthalene	20.0	20.0	16.9	17.1
o-Xylene	20.0	20.0	19.9	19.3
sec-Butylbenzene	20.0	20.0	20.5	19.7
Styrene	20.0	20.0	20.0	19.5
tert-Butylbenzene	20.0	20.0	21.2	20.1
Tetrachloroethene	20.0	20.0	24.7	23.0
Tetrahydrofuran	200	200	181	178
Toluene	20.0	20.0	21.5	20.3
trans-1,2-Dichloroethene	20.0	20.0	20.9	19.6
trans-1,3-Dichloropropene	20.0	20.0	22.0	21.8
trans-1,4-Dichloro-2-butene	20.0	20.0	19.2	19.0
Trichloroethene	20.0	20.0	22.5	21.2
Trichlorofluoromethane	20.0	20.0	23.8	22.2
Vinyl chloride	20.0	20.0	19.3	18.1
Xylenes, Total	60.0	60.0	60.0	57.6

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84486

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	360-37900-4	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22940.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2231			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2231				
Leach Date:	N/A				

MSD Lab Sample ID:	360-37900-4	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22941.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2252			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2252				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	114	110	70 - 130	4	30		
1,1,1-Trichloroethane	132	121	70 - 130	5	30	F	
1,1,2,2-Tetrachloroethane	82	82	70 - 130	0	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	101	98	70 - 130	3	30		
1,1,2-Trichloroethane	110	103	70 - 130	7	30		
1,1-Dichloroethane	103	95	70 - 130	4	30		
1,1-Dichloroethene	119	111	70 - 130	7	30		
1,1-Dichloropropene	110	105	70 - 130	5	30		
1,2,3-Trichlorobenzene	98	98	70 - 130	1	30		
1,2,3-Trichloropropane	103	104	70 - 130	1	30		
1,2,4-Trichlorobenzene	105	103	70 - 130	1	30		
1,2,4-Trimethylbenzene	103	100	70 - 130	3	30		
1,2-Dibromo-3-Chloropropane	99	97	70 - 130	3	30		
1,2-Dichlorobenzene	97	94	70 - 130	3	30		
1,2-Dichloroethane	114	111	70 - 130	3	30		
1,2-Dichloropropane	96	92	70 - 130	4	30		
1,3,5-Trimethylbenzene	103	99	70 - 130	3	30		
1,3-Dichlorobenzene	112	109	70 - 130	3	30		
1,3-Dichloropropane	102	101	70 - 130	1	30		
1,4-Dichlorobenzene	102	97	70 - 130	5	30		
2,2-Dichloropropane	136	132	70 - 130	3	30	F	F
2-Butanone (MEK)	85	87	70 - 130	1	30		
2-Chlorotoluene	100	98	70 - 130	2	30		
2-Hexanone	89	88	70 - 130	1	30		
4-Chlorotoluene	100	97	70 - 130	4	30		
4-Isopropyltoluene	113	109	70 - 130	4	30		
4-Methyl-2-pentanone (MIBK)	89	90	70 - 130	2	30		
Acetone	92	92	70 - 130	0	30		
Acrylonitrile	97	95	70 - 130	2	30		
Benzene	108	103	70 - 130	4	30		
Bromobenzene	91	90	70 - 130	2	30		
Bromoform	91	91	70 - 130	0	30		
Bromomethane	113	111	70 - 130	2	30		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84486

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	360-37900-4	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22940.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2231			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2231				
Leach Date:	N/A				

MSD Lab Sample ID:	360-37900-4	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22941.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2252			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2252				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Carbon disulfide	123	117	70 - 130	5	30		
Carbon tetrachloride	146	138	70 - 130	5	30	F	F
Chlorobenzene	103	102	70 - 130	1	30		
Chlorodibromomethane	111	110	70 - 130	1	30		
Chloroethane	105	99	70 - 130	6	30		
Chloroform	109	107	70 - 130	1	30		
Chloromethane	85	83	70 - 130	3	30		
cis-1,2-Dichloroethene	89	79	70 - 130	4	30		
cis-1,3-Dichloropropene	99	99	70 - 130	1	30		
Dibromomethane	114	109	70 - 130	5	30		
Dichlorobromomethane	112	108	70 - 130	4	30		
Dichlorodifluoromethane	114	107	70 - 130	6	30		
Ethylbenzene	98	94	70 - 130	4	30		
Ethylene Dibromide	110	110	70 - 130	0	30		
Hexachlorobutadiene	108	103	70 - 130	5	30		
Isopropylbenzene	106	101	70 - 130	4	30		
m-Xylene & p-Xylene	100	97	70 - 130	4	30		
Methyl tert-butyl ether	118	118	70 - 130	0	30		
Methylene Chloride	120	114	70 - 130	5	30		
n-Butylbenzene	94	89	70 - 130	5	30		
N-Propylbenzene	103	99	70 - 130	4	30		
Naphthalene	87	88	70 - 130	1	30		
o-Xylene	104	100	70 - 130	4	30		
sec-Butylbenzene	101	98	70 - 130	3	30		
Styrene	95	93	70 - 130	2	30		
tert-Butylbenzene	109	105	70 - 130	4	30		
Tetrachloroethene	128	118	70 - 130	8	30		
Tetrahydrofuran	91	90	70 - 130	1	30		
Toluene	107	102	70 - 130	5	30		
trans-1,2-Dichloroethene	109	101	70 - 130	7	30		
trans-1,3-Dichloropropene	106	101	70 - 130	5	30		
trans-1,4-Dichloro-2-butene	74	76	70 - 130	3	30		
Trichloroethene	94	81	70 - 130	5	30		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84486

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	360-37900-4	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22940.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2231			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2231				
Leach Date:	N/A				

MSD Lab Sample ID:	360-37900-4	Analysis Batch:	360-84486	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22941.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/08/2011 2252			Final Weight/Volume:	5 mL
Prep Date:	12/08/2011 2252				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Trichlorofluoromethane	128	122	70 - 130	4	30		
Vinyl chloride	97	94	70 - 130	3	30		
Xylenes, Total	101	98	70 - 130	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	103	105	70 - 130
Dibromofluoromethane	111	110	70 - 130
Toluene-d8 (Surr)	101	101	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84486

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	360-37900-4	Units: ug/L	MSD Lab Sample ID:	360-37900-4	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	12/08/2011 2231		Analysis Date:	12/08/2011 2252	
Prep Date:	12/08/2011 2231		Prep Date:	12/08/2011 2252	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1,2-Tetrachloroethane	ND	20.0	20.0	22.8		22.0	
1,1,1-Trichloroethane	20	20.0	20.0	46.0	F	43.8	
1,1,2,2-Tetrachloroethane	ND	20.0	20.0	16.3		16.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	20.0	20.0	20.2		19.6	
1,1,2-Trichloroethane	ND	20.0	20.0	22.0		20.6	
1,1-Dichloroethane	19	20.0	20.0	39.4		37.7	
1,1-Dichloroethene	2.7	20.0	20.0	26.6		24.9	
1,1-Dichloropropene	ND	20.0	20.0	22.0		20.9	
1,2,3-Trichlorobenzene	ND	20.0	20.0	19.6		19.5	
1,2,3-Trichloropropane	ND	20.0	20.0	20.5		20.7	
1,2,4-Trichlorobenzene	ND	20.0	20.0	20.9		20.6	
1,2,4-Trimethylbenzene	ND	20.0	20.0	20.6		19.9	
1,2-Dibromo-3-Chloropropane	ND	20.0	20.0	19.8		19.3	
1,2-Dichlorobenzene	2.4	20.0	20.0	21.9		21.3	
1,2-Dichloroethane	ND	20.0	20.0	22.8		22.1	
1,2-Dichloropropane	ND	20.0	20.0	19.2		18.4	
1,3,5-Trimethylbenzene	ND	20.0	20.0	20.5		19.8	
1,3-Dichlorobenzene	ND	20.0	20.0	22.4		21.7	
1,3-Dichloropropane	ND	20.0	20.0	20.4		20.2	
1,4-Dichlorobenzene	ND	20.0	20.0	20.4		19.4	
2,2-Dichloropropane	ND	20.0	20.0	27.2	F	26.3	F
2-Butanone (MEK)	ND	200	200	171		173	
2-Chlorotoluene	ND	20.0	20.0	19.9		19.5	
2-Hexanone	ND	200	200	178		177	
4-Chlorotoluene	ND	20.0	20.0	20.0		19.3	
4-Isopropyltoluene	ND	20.0	20.0	22.6		21.8	
4-Methyl-2-pentanone (MIBK)	ND	200	200	178		181	
Acetone	ND	200	200	185		185	
Acrylonitrile	ND	20.0	20.0	19.4		19.0	
Benzene	ND	20.0	20.0	21.5		20.6	
Bromobenzene	ND	20.0	20.0	18.2		17.9	
Bromoform	ND	20.0	20.0	18.1		18.1	
Bromomethane	ND	20.0	20.0	22.6		22.2	
Carbon disulfide	ND	20.0	20.0	24.6		23.4	
Carbon tetrachloride	ND	20.0	20.0	29.1	F	27.6	F
Chlorobenzene	ND	20.0	20.0	20.5		20.3	
Chlorodibromomethane	ND	20.0	20.0	22.2		21.9	
Chloroethane	ND	20.0	20.0	21.0		19.8	
Chloroform	ND	20.0	20.0	21.7		21.4	
Chloromethane	ND	20.0	20.0	17.0		16.5	
cis-1,2-Dichloroethene	36	20.0	20.0	54.0		52.0	
cis-1,3-Dichloropropene	ND	20.0	20.0	19.8		19.7	
Dibromomethane	ND	20.0	20.0	22.8		21.7	

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84486

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	360-37900-4	Units: ug/L	MSD Lab Sample ID:	360-37900-4	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	12/08/2011 2231		Analysis Date:	12/08/2011 2252	
Prep Date:	12/08/2011 2231		Prep Date:	12/08/2011 2252	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Dichlorobromomethane	ND	20.0	20.0	22.4	21.6
Dichlorodifluoromethane	ND	20.0	20.0	22.8	21.4
Ethylbenzene	ND	20.0	20.0	19.6	18.8
Ethylene Dibromide	ND	20.0	20.0	22.0	21.9
Hexachlorobutadiene	ND	20.0	20.0	21.6	20.5
Isopropylbenzene	1.6	20.0	20.0	22.9	21.9
m-Xylene & p-Xylene	ND	40.0	40.0	40.1	38.6
Methyl tert-butyl ether	ND	20.0	20.0	23.5	23.5
Methylene Chloride	ND	20.0	20.0	23.9	22.8
n-Butylbenzene	ND	20.0	20.0	18.7	17.8
N-Propylbenzene	ND	20.0	20.0	20.6	19.8
Naphthalene	ND	20.0	20.0	17.4	17.6
o-Xylene	ND	20.0	20.0	20.7	19.9
sec-Butylbenzene	6.0	20.0	20.0	26.2	25.5
Styrene	ND	20.0	20.0	19.0	18.6
tert-Butylbenzene	1.9	20.0	20.0	23.7	22.8
Tetrachloroethene	1.9	20.0	20.0	27.4	25.4
Tetrahydrofuran	ND	200	200	182	180
Toluene	ND	20.0	20.0	21.3	20.3
trans-1,2-Dichloroethene	ND	20.0	20.0	22.1	20.6
trans-1,3-Dichloropropene	ND	20.0	20.0	21.2	20.1
trans-1,4-Dichloro-2-butene	ND	20.0	20.0	14.7	15.2
Trichloroethene	38	20.0	20.0	56.8	54.3
Trichlorofluoromethane	ND	20.0	20.0	25.5	24.4
Vinyl chloride	2.3	20.0	20.0	21.7	21.1
Xylenes, Total	ND	60.0	60.0	60.8	58.5

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Method Blank - Batch: 360-84762

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-84762/6	Analysis Batch:	360-84762	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22992.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/13/2011 1631	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/13/2011 1631				
Leach Date:	N/A				

Analyte	Result	Qual	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Method Blank - Batch: 360-84762

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-84762/6	Analysis Batch:	360-84762	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22992.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/13/2011 1631	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/13/2011 1631				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Ethylbenzene	ND		1.0
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	70 - 130
Dibromofluoromethane	109	70 - 130
Toluene-d8 (Surr)	101	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84762

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-84762/3	Analysis Batch:	360-84762	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22989.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/13/2011 1526	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/13/2011 1526				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84762/4	Analysis Batch:	360-84762	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22990.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/13/2011 1547	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/13/2011 1547				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	106	102	70 - 130	4	25		
1,1,1-Trichloroethane	115	110	70 - 130	4	25		
1,1,2,2-Tetrachloroethane	78	78	70 - 130	0	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	103	89	70 - 130	15	25		
1,1,2-Trichloroethane	93	89	70 - 130	4	25		
1,1-Dichloroethane	97	92	70 - 130	5	25		
1,1-Dichloroethene	115	100	70 - 130	14	25		
1,1-Dichloropropene	101	96	70 - 130	5	25		
1,2,3-Trichlorobenzene	95	96	70 - 130	1	25		
1,2,3-Trichloropropane	92	96	70 - 130	4	25		
1,2,4-Trichlorobenzene	101	100	70 - 130	1	25		
1,2,4-Trimethylbenzene	99	98	70 - 130	1	25		
1,2-Dibromo-3-Chloropropane	91	94	70 - 130	4	25		
1,2-Dichlorobenzene	96	95	70 - 130	1	25		
1,2-Dichloroethane	102	98	70 - 130	4	25		
1,2-Dichloropropane	86	84	70 - 130	2	25		
1,3,5-Trimethylbenzene	99	96	70 - 130	3	25		
1,3-Dichlorobenzene	105	104	70 - 130	1	25		
1,3-Dichloropropane	93	92	70 - 130	1	25		
1,4-Dichlorobenzene	98	95	70 - 130	3	25		
2,2-Dichloropropane	113	109	70 - 130	4	25		
2-Butanone (MEK)	78	76	70 - 130	3	25		
2-Chlorotoluene	93	91	70 - 130	2	25		
2-Hexanone	81	81	70 - 130	1	25		
4-Chlorotoluene	94	91	70 - 130	4	25		
4-Isopropyltoluene	104	102	70 - 130	2	25		
4-Methyl-2-pentanone (MIBK)	78	77	70 - 130	1	25		
Acetone	82	82	70 - 130	1	25		
Acrylonitrile	85	82	70 - 130	4	25		
Benzene	97	92	70 - 130	5	25		
Bromobenzene	86	84	70 - 130	2	25		
Bromoform	102	98	70 - 130	4	25		
Bromomethane	103	106	70 - 130	2	25		
Carbon disulfide	132	113	70 - 130	16	25	*	
Carbon tetrachloride	130	123	70 - 130	5	25		
Chlorobenzene	102	96	70 - 130	6	25		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84762

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-84762/3	Analysis Batch:	360-84762	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22989.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/13/2011 1526	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/13/2011 1526				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84762/4	Analysis Batch:	360-84762	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22990.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/13/2011 1547	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/13/2011 1547				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chlorodibromomethane	108	107	70 - 130	1	25		
Chloroethane	91	90	70 - 130	1	25		
Chloroform	100	94	70 - 130	6	25		
Chloromethane	78	75	70 - 130	3	25		
cis-1,2-Dichloroethene	92	88	70 - 130	4	25		
cis-1,3-Dichloropropene	96	95	70 - 130	2	25		
Dibromomethane	101	100	70 - 130	1	25		
Dichlorobromomethane	102	100	70 - 130	2	25		
Dichlorodifluoromethane	112	103	70 - 130	9	25		
Ethylbenzene	95	91	70 - 130	5	25		
Ethylene Dibromide	102	103	70 - 130	0	25		
Hexachlorobutadiene	104	99	70 - 130	5	25		
Isopropylbenzene	100	96	70 - 130	4	25		
m-Xylene & p-Xylene	97	93	70 - 130	4	25		
Methyl tert-butyl ether	102	100	70 - 130	2	25		
Methylene Chloride	102	97	70 - 130	5	25		
n-Butylbenzene	89	84	70 - 130	6	25		
N-Propylbenzene	96	91	70 - 130	5	25		
Naphthalene	84	85	70 - 130	1	25		
o-Xylene	97	94	70 - 130	4	25		
sec-Butylbenzene	95	93	70 - 130	2	25		
Styrene	99	96	70 - 130	4	25		
tert-Butylbenzene	101	99	70 - 130	2	25		
Tetrachloroethene	117	110	70 - 130	6	25		
Tetrahydrofuran	80	78	70 - 130	2	25		
Toluene	99	95	70 - 130	4	25		
trans-1,2-Dichloroethene	95	90	70 - 130	5	25		
trans-1,3-Dichloropropene	100	100	70 - 130	1	25		
trans-1,4-Dichloro-2-butene	82	79	70 - 130	4	25		
Trichloroethene	104	97	70 - 130	7	25		
Trichlorofluoromethane	111	108	70 - 130	3	25		
Vinyl chloride	87	82	70 - 130	7	25		
Xylenes, Total	97	93	70 - 130	4	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	98	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Dibromofluoromethane	107	107	70 - 130
Toluene-d8 (Surr)	101	100	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84762

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-84762/3	Units:	ug/L	LCSD Lab Sample ID:	LCSD 360-84762/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/13/2011 1526			Analysis Date:	12/13/2011 1547
Prep Date:	12/13/2011 1526			Prep Date:	12/13/2011 1547
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
1,1,1,2-Tetrachloroethane	20.0	20.0	21.1		20.3
1,1,1-Trichloroethane	20.0	20.0	23.0		22.0
1,1,2,2-Tetrachloroethane	20.0	20.0	15.6		15.6
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.0	20.5		17.7
1,1,2-Trichloroethane	20.0	20.0	18.5		17.7
1,1-Dichloroethane	20.0	20.0	19.3		18.3
1,1-Dichloroethene	20.0	20.0	23.0		20.0
1,1-Dichloropropene	20.0	20.0	20.1		19.1
1,2,3-Trichlorobenzene	20.0	20.0	19.0		19.1
1,2,3-Trichloropropane	20.0	20.0	18.4		19.2
1,2,4-Trichlorobenzene	20.0	20.0	20.2		19.9
1,2,4-Trimethylbenzene	20.0	20.0	19.8		19.6
1,2-Dibromo-3-Chloropropane	20.0	20.0	18.1		18.8
1,2-Dichlorobenzene	20.0	20.0	19.1		18.9
1,2-Dichloroethane	20.0	20.0	20.3		19.5
1,2-Dichloropropane	20.0	20.0	17.2		16.8
1,3,5-Trimethylbenzene	20.0	20.0	19.7		19.2
1,3-Dichlorobenzene	20.0	20.0	21.0		20.7
1,3-Dichloropropane	20.0	20.0	18.5		18.4
1,4-Dichlorobenzene	20.0	20.0	19.5		19.0
2,2-Dichloropropane	20.0	20.0	22.5		21.7
2-Butanone (MEK)	200	200	156		152
2-Chlorotoluene	20.0	20.0	18.5		18.2
2-Hexanone	200	200	162		163
4-Chlorotoluene	20.0	20.0	18.8		18.1
4-Isopropyltoluene	20.0	20.0	20.8		20.4
4-Methyl-2-pentanone (MIBK)	200	200	156		155
Acetone	200	200	165		163
Acrylonitrile	20.0	20.0	16.9		16.3
Benzene	20.0	20.0	19.4		18.4
Bromobenzene	20.0	20.0	17.2		16.8
Bromoform	20.0	20.0	20.3		19.6
Bromomethane	20.0	20.0	20.6		21.1
Carbon disulfide	20.0	20.0	26.4	*	22.6
Carbon tetrachloride	20.0	20.0	25.9		24.6
Chlorobenzene	20.0	20.0	20.3		19.2
Chlorodibromomethane	20.0	20.0	21.6		21.3
Chloroethane	20.0	20.0	18.1		17.9
Chloroform	20.0	20.0	19.9		18.8

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84762

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-84762/3	Units:	ug/L	LCSD Lab Sample ID:	LCSD 360-84762/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/13/2011 1526			Analysis Date:	12/13/2011 1547
Prep Date:	12/13/2011 1526			Prep Date:	12/13/2011 1547
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chloromethane	20.0	20.0	15.5	15.0
cis-1,2-Dichloroethene	20.0	20.0	18.3	17.6
cis-1,3-Dichloropropene	20.0	20.0	19.2	18.9
Dibromomethane	20.0	20.0	20.1	19.9
Dichlorobromomethane	20.0	20.0	20.4	19.9
Dichlorodifluoromethane	20.0	20.0	22.4	20.5
Ethylbenzene	20.0	20.0	19.0	18.1
Ethylene Dibromide	20.0	20.0	20.4	20.5
Hexachlorobutadiene	20.0	20.0	20.7	19.7
Isopropylbenzene	20.0	20.0	19.9	19.2
m-Xylene & p-Xylene	40.0	40.0	38.7	37.0
Methyl tert-butyl ether	20.0	20.0	20.4	20.0
Methylene Chloride	20.0	20.0	20.4	19.4
n-Butylbenzene	20.0	20.0	17.7	16.7
N-Propylbenzene	20.0	20.0	19.1	18.2
Naphthalene	20.0	20.0	16.7	16.9
o-Xylene	20.0	20.0	19.4	18.7
sec-Butylbenzene	20.0	20.0	19.0	18.6
Styrene	20.0	20.0	19.8	19.1
tert-Butylbenzene	20.0	20.0	20.1	19.8
Tetrachloroethene	20.0	20.0	23.4	22.0
Tetrahydrofuran	200	200	159	156
Toluene	20.0	20.0	19.8	19.0
trans-1,2-Dichloroethene	20.0	20.0	18.9	17.9
trans-1,3-Dichloropropene	20.0	20.0	20.0	19.9
trans-1,4-Dichloro-2-butene	20.0	20.0	16.4	15.7
Trichloroethene	20.0	20.0	20.8	19.3
Trichlorofluoromethane	20.0	20.0	22.2	21.5
Vinyl chloride	20.0	20.0	17.4	16.3
Xylenes, Total	60.0	60.0	58.1	55.7

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Method Blank - Batch: 360-84516

Method: MA-EPH-LL
Preparation: 3510C

Lab Sample ID:	MB 360-84516/1-A	Analysis Batch:	360-84720	Instrument ID:	INST R
Client Matrix:	Water	Prep Batch:	360-84516	Lab File ID:	R402095.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/14/2011 0802	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	12/08/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	RL
Acenaphthene	ND		1.0
Acenaphthylene	ND		0.30
Anthracene	ND		1.0
Benzo[a]anthracene	ND		0.30
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.30
Benzo[g,h,i]perylene	ND		0.50
Benzo[k]fluoranthene	ND		0.30
Chrysene	ND		1.0
Dibenz(a,h)anthracene	ND		0.45
Fluoranthene	ND		1.0
Fluorene	ND		1.0
Indeno[1,2,3-cd]pyrene	ND		0.45
2-Methylnaphthalene	ND		1.0
Naphthalene	ND		1.0
Phenanthrene	ND		0.20
Pyrene	ND		1.0
C11-C22 Aromatics	ND		100
C11-C22 Aromatics (Adjusted)	ND		100
C19-C36 Aliphatics	ND		100
C9-C18 Aliphatics	ND		100
Total EPH	ND		100

Surrogate	% Rec	Acceptance Limits
2-Bromonaphthalene	74	40 - 140
2-Fluorobiphenyl	74	40 - 140
o-Terphenyl	73	40 - 140
1-Chlorooctadecane	78	40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84516

Method: MA-EPH-LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-84516/2-A	Analysis Batch:	360-84720	Instrument ID:	INST R
Client Matrix:	Water	Prep Batch:	360-84516	Lab File ID:	R402061.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/13/2011 1634	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	12/08/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 360-84516/3-A	Analysis Batch:	360-84720	Instrument ID:	INST R
Client Matrix:	Water	Prep Batch:	360-84516	Lab File ID:	R402063.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/13/2011 1708	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	12/08/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	80	76	40 - 140	5	25		
Acenaphthylene	81	77	40 - 140	6	25		
Anthracene	98	90	40 - 140	8	25		
Benzo[a]anthracene	106	96	40 - 140	10	25		
Benzo[a]pyrene	105	97	40 - 140	8	25		
Benzo[b]fluoranthene	117	103	40 - 140	13	25		
Benzo[g,h,i]perylene	118	110	40 - 140	7	25		
Benzo[k]fluoranthene	105	99	40 - 140	6	25		
Chrysene	103	94	40 - 140	10	25		
Dibenz(a,h)anthracene	110	105	40 - 140	5	25		
Fluoranthene	97	88	40 - 140	10	25		
Fluorene	89	83	40 - 140	7	25		
Indeno[1,2,3-cd]pyrene	124	111	40 - 140	10	25		
2-Methylnaphthalene	77	72	40 - 140	6	25		
Naphthalene	70	65	40 - 140	7	25		
Phenanthrene	93	85	40 - 140	9	25		
Pyrene	93	85	40 - 140	9	25		
C11-C22 Aromatics	98	91	40 - 140	8	25		
C19-C36 Aliphatics	94	82	40 - 140	13	25		
C9-C18 Aliphatics	53	52	40 - 140	2	25		
C19	88	86	40 - 140	2	25		
Dodecane	54	50	40 - 140	8	25		
Hexadecane	81	80	40 - 140	2	25		
icosane	82	80	40 - 140	2	25		
n-Decane	38	32	40 - 140	16	25	*	
n-Docosane	84	82	40 - 140	2	25		
n-Hexacosane	92	90	40 - 140	2	25		
n-Hexatriacontane	109	105	40 - 140	4	25		
n-Nonane	33	28	30 - 140	18	25		
n-Octacosane	82	80	40 - 140	2	25		
n-Octadecane	86	84	40 - 140	2	25		
n-Tetracosane	84	83	40 - 140	2	25		
n-Tetradecane	69	67	40 - 140	3	25		
Triacontane	90	88	40 - 140	2	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Bromonaphthalene	76	75	40 - 140
2-Fluorobiphenyl	76	75	40 - 140
o-Terphenyl	91	83	40 - 140
1-Chlorooctadecane	83	80	40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84516

Method: MA-EPH-LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-84516/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 360-84516/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/13/2011 1634			Analysis Date:	12/13/2011 1708
Prep Date:	12/08/2011 1330			Prep Date:	12/08/2011 1330
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
Acenaphthene	100	100	80.4		76.2
Acenaphthylene	100	100	81.4		76.6
Anthracene	100	100	97.8		90.0
Benzo[a]anthracene	100	100	106		96.0
Benzo[a]pyrene	100	100	105		97.2
Benzo[b]fluoranthene	100	100	117		103
Benzo[g,h,i]perylene	100	100	118		110
Benzo[k]fluoranthene	100	100	105		99.0
Chrysene	100	100	103		93.8
Dibenz(a,h)anthracene	100	100	110		105
Fluoranthene	100	100	97.0		88.2
Fluorene	100	100	89.0		83.2
Indeno[1,2,3-cd]pyrene	100	100	124		111
2-Methylnaphthalene	100	100	77.0		72.4
Naphthalene	100	100	69.8		65.0
Phenanthrene	100	100	93.2		84.8
Pyrene	100	100	93.0		84.8
C11-C22 Aromatics	1700	1700	1670		1540
C19-C36 Aliphatics	800	800	751		658
C9-C18 Aliphatics	600	600	317		310
C19	100	100	88.0		86.0
Dodecane	100	100	53.8		49.6
Hexadecane	100	100	81.0		79.6
icosane	100	100	82.0		80.0
n-Decane	100	100	38.2	*	32.4
n-Docosane	100	100	84.0		82.0
n-Hexacosane	100	100	92.2		90.0
n-Hexatriacontane	100	100	109		105
n-Nonane	100	100	33.4		28.0
n-Octacosane	100	100	82.4		80.4
n-Octadecane	100	100	85.6		84.0
n-Tetracosane	100	100	84.0		82.6
n-Tetradecane	100	100	68.6		66.6
Triacontane	100	100	90.2		88.2

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84516

Method: MA-EPH-LL
Preparation: 3510C

MS Lab Sample ID:	360-37900-4	Analysis Batch:	360-84720	Instrument ID:	INST R
Client Matrix:	Water	Prep Batch:	360-84516	Lab File ID:	R402071.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1030 mL
Analysis Date:	12/13/2011 1925			Final Weight/Volume:	2.0 mL
Prep Date:	12/08/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	360-37900-4	Analysis Batch:	360-84720	Instrument ID:	INST R
Client Matrix:	Water	Prep Batch:	360-84516	Lab File ID:	R402073.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1045 mL
Analysis Date:	12/13/2011 1959			Final Weight/Volume:	2.0 mL
Prep Date:	12/08/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	75	67	40 - 140	12	50		
Acenaphthylene	75	68	40 - 140	11	50		
Anthracene	94	84	40 - 140	12	50		
Benzo[a]anthracene	101	89	40 - 140	13	50		
Benzo[a]pyrene	100	88	40 - 140	13	50		
Benzo[b]fluoranthene	106	95	40 - 140	12	50		
Benzo[g,h,i]perylene	108	96	40 - 140	13	50		
Benzo[k]fluoranthene	102	89	40 - 140	15	50		
Chrysene	98	87	40 - 140	14	50		
Dibenz(a,h)anthracene	103	91	40 - 140	14	50		
Fluoranthene	93	83	40 - 140	13	50		
Fluorene	85	77	40 - 140	11	50		
Indeno[1,2,3-cd]pyrene	112	100	40 - 140	13	50		
2-Methylnaphthalene	66	59	40 - 140	14	50		
Naphthalene	57	53	40 - 140	9	50		
Phenanthrene	89	80	40 - 140	12	50		
Pyrene	89	80	40 - 140	13	50		
C11-C22 Aromatics	92	83	40 - 140	12	50		
C19-C36 Aliphatics	77	75	40 - 140	4	50		
C9-C18 Aliphatics	49	53	40 - 140	6	50		
C19	81	78	40 - 140	5	50		
Dodecane	33	33	40 - 140	1	50	F	F
Hexadecane	72	70	40 - 140	5	50		
icosane	82	79	40 - 140	5	50		
n-Decane	9	13	40 - 140	29	50	F	F
n-Docosane	78	75	40 - 140	5	50		
n-Hexacosane	86	82	40 - 140	6	50		
n-Hexatriacontane	87	88	40 - 140	1	50		
n-Nonane	8	12	30 - 140	40	50	F	F
n-Octacosane	77	73	40 - 140	6	50		
n-Octadecane	78	76	40 - 140	5	50		
n-Tetracosane	79	76	40 - 140	6	50		
n-Tetradecane	58	56	40 - 140	5	50		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84516

Method: MA-EPH-LL
Preparation: 3510C

MS Lab Sample ID:	360-37900-4	Analysis Batch:	360-84720	Instrument ID:	INST R
Client Matrix:	Water	Prep Batch:	360-84516	Lab File ID:	R402071.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1030 mL
Analysis Date:	12/13/2011 1925			Final Weight/Volume:	2.0 mL
Prep Date:	12/08/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	360-37900-4	Analysis Batch:	360-84720	Instrument ID:	INST R
Client Matrix:	Water	Prep Batch:	360-84516	Lab File ID:	R402073.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1045 mL
Analysis Date:	12/13/2011 1959			Final Weight/Volume:	2.0 mL
Prep Date:	12/08/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Triacontane	83	80	40 - 140	5	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Bromonaphthalene	86	80	40 - 140
2-Fluorobiphenyl	85	79	40 - 140
o-Terphenyl	84	75	40 - 140
1-Chlorooctadecane	70	67	40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84516

Method: MA-EPH-LL
Preparation: 3510C

MS Lab Sample ID:	360-37900-4	Units: ug/L	MSD Lab Sample ID:	360-37900-4	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	12/13/2011 1925		Analysis Date:	12/13/2011 1959	
Prep Date:	12/08/2011 1330		Prep Date:	12/08/2011 1330	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	ND	97.1	95.7	73.0		64.5	
Acenaphthylene	ND	97.1	95.7	73.0		65.5	
Anthracene	ND	97.1	95.7	91.3		80.8	
Benzo[a]anthracene	ND	97.1	95.7	97.9		85.6	
Benzo[a]pyrene	ND	97.1	95.7	96.7		84.6	
Benzo[b]fluoranthene	ND	97.1	95.7	103		91.3	
Benzo[g,h,i]perylene	ND	97.1	95.7	105		92.2	
Benzo[k]fluoranthene	ND	97.1	95.7	99.4		85.4	
Chrysene	ND	97.1	95.7	95.1		83.1	
Dibenz(a,h)anthracene	ND	97.1	95.7	100		87.3	
Fluoranthene	ND	97.1	95.7	90.5		79.8	
Fluorene	ND	97.1	95.7	82.1		73.9	
Indeno[1,2,3-cd]pyrene	ND	97.1	95.7	109		95.7	
2-Methylnaphthalene	ND	97.1	95.7	64.5		56.1	
Naphthalene	1.8	97.1	95.7	56.9		52.1	
Phenanthrene	ND	97.1	95.7	86.0		76.6	
Pyrene	ND	97.1	95.7	86.8		76.6	
C11-C22 Aromatics	ND	1650	1630	1520		1350	
C19-C36 Aliphatics	ND	777	766	597		571	
C9-C18 Aliphatics	ND	583	574	286		305	
C19	ND	97.1	95.7	78.6		74.6	
Dodecane	ND	97.1	95.7	31.7	F	31.2	F
Hexadecane	ND	97.1	95.7	70.3		67.2	
icosane	ND	97.1	95.7	79.6		75.6	
n-Decane	2.4	97.1	95.7	11.1	F	14.8	F
n-Docosane	ND	97.1	95.7	75.7		71.8	
n-Hexacosane	ND	97.1	95.7	83.3		78.7	
n-Hexatriacontane	ND	97.1	95.7	84.9		84.4	
n-Nonane	ND	97.1	95.7	7.77	F	11.6	F
n-Octacosane	ND	97.1	95.7	74.4		70.2	
n-Octadecane	ND	97.1	95.7	76.1		72.7	
n-Tetracosane	ND	97.1	95.7	76.5		72.3	
n-Tetradecane	ND	97.1	95.7	55.9		53.2	
Triacontane	ND	97.1	95.7	81.0		76.9	

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Method Blank - Batch: 360-84196

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 360-84196/1-A	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1541	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Silver	ND		12
Arsenic	ND		10
Barium	ND		10
Cadmium	ND		1.0
Chromium	ND		5.0
Lead	ND		5.0
Selenium	ND		10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84196

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 360-84196/2-A	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1544	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84196/3-A	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1553	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	103	108	80 - 120	5	20		
Arsenic	104	109	80 - 120	5	20		
Barium	103	108	80 - 120	4	20		
Cadmium	103	108	80 - 120	5	20		
Chromium	102	108	80 - 120	5	20		
Lead	103	108	80 - 120	4	20		
Selenium	103	108	80 - 120	5	20		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84196

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 360-84196/2-A	Units: ug/L		LCSD Lab Sample ID:	LCSD 360-84196/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/02/2011 1544			Analysis Date:	12/02/2011 1553
Prep Date:	12/02/2011 0830			Prep Date:	12/02/2011 0830
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Silver	1000	1000	1030	1080
Arsenic	1000	1000	1040	1090
Barium	1000	1000	1030	1080
Cadmium	1000	1000	1030	1080
Chromium	1000	1000	1020	1080
Lead	1000	1000	1030	1080
Selenium	1000	1000	1030	1080

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84196

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	360-37900-4	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1558			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				
Leach Date:	N/A				

MSD Lab Sample ID:	360-37900-4	Analysis Batch:	360-84305	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-84196	Lab File ID:	120211c.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/02/2011 1601			Final Weight/Volume:	50 mL
Prep Date:	12/02/2011 0830				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	107	107	75 - 125	0	20		
Arsenic	110	110	75 - 125	0	20		
Barium	105	105	75 - 125	0	20		
Cadmium	108	107	75 - 125	0	20		
Chromium	107	106	75 - 125	0	20		
Lead	107	106	75 - 125	0	20		
Selenium	109	109	75 - 125	0	20		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84196

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	360-37900-4	Units: ug/L	MSD Lab Sample ID:	360-37900-4	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	12/02/2011 1558		Analysis Date:	12/02/2011 1601	
Prep Date:	12/02/2011 0830		Prep Date:	12/02/2011 0830	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Silver	ND	1000	1000	1070	1070
Arsenic	ND	1000	1000	1100	1100
Barium	88	1000	1000	1140	1140
Cadmium	2.3	1000	1000	1080	1080
Chromium	8.9	1000	1000	1080	1070
Lead	ND	1000	1000	1070	1060
Selenium	ND	1000	1000	1090	1090

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Method Blank - Batch: 360-84431

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 360-84431/1-A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1259	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Mercury	ND		0.20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84431

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 360-84431/2-A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1306	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84431/3-A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1308	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	95	95	80 - 120	1	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84431

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 360-84431/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 360-84431/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/07/2011 1306			Analysis Date:	12/07/2011 1308
Prep Date:	12/07/2011 1000			Prep Date:	12/07/2011 1000
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	5.00	5.00	4.74	4.77

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84431

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	360-37900-4	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1316			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				
Leach Date:	N/A				

MSD Lab Sample ID:	360-37900-4	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1320			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	92	93	75 - 125	1	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-84431

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	360-37900-4	Units: ug/L		MSD Lab Sample ID:	360-37900-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/07/2011 1316			Analysis Date:	12/07/2011 1320
Prep Date:	12/07/2011 1000			Prep Date:	12/07/2011 1000
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	5.00	5.00	4.61	4.67

DATA REPORTING QUALIFIERS

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
GC Semi VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:360-84486					
LCS 360-84486/3	Lab Control Sample	T	Water	8260B	
LCSD 360-84486/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 360-84486/6	Method Blank	T	Water	8260B	
360-37900-1	BC-TB-GW-120111	T	Water	8260B	
360-37900-3	BC-GW-MW25-120111	T	Water	8260B	
360-37900-4	BC-GW-MW06-120111	T	Water	8260B	
360-37900-4MS	Matrix Spike	T	Water	8260B	
360-37900-4MSD	Matrix Spike Duplicate	T	Water	8260B	
360-37900-5	BC-GW-MW301-120111	T	Water	8260B	
360-37900-6	BC-GW-MW200A-120111	T	Water	8260B	
360-37900-7	BC-GW-MW302-120111	T	Water	8260B	
360-37900-8	BC-GW-MW304-120111	T	Water	8260B	
360-37900-9	BC-GW-MW305-120111	T	Water	8260B	
Analysis Batch:360-84762					
LCS 360-84762/3	Lab Control Sample	T	Water	8260B	
LCSD 360-84762/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 360-84762/6	Method Blank	T	Water	8260B	
360-37900-2	BC-GW-MWDUP01-120111	T	Water	8260B	

Report Basis
T = Total

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-84516					
LCS 360-84516/2-A	Lab Control Sample	T	Water	3510C	
LCSD 360-84516/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 360-84516/1-A	Method Blank	T	Water	3510C	
360-37900-2	BC-GW-MWDUP01-120111	T	Water	3510C	
360-37900-3	BC-GW-MW25-120111	T	Water	3510C	
360-37900-4	BC-GW-MW06-120111	T	Water	3510C	
360-37900-4MS	Matrix Spike	T	Water	3510C	
360-37900-4MSD	Matrix Spike Duplicate	T	Water	3510C	
360-37900-5	BC-GW-MW301-120111	T	Water	3510C	
360-37900-6	BC-GW-MW200A-120111	T	Water	3510C	
360-37900-7	BC-GW-MW302-120111	T	Water	3510C	
360-37900-8	BC-GW-MW304-120111	T	Water	3510C	
360-37900-9	BC-GW-MW305-120111	T	Water	3510C	
Analysis Batch:360-84720					
LCS 360-84516/2-A	Lab Control Sample	T	Water	MA-EPH-LL	360-84516
LCSD 360-84516/3-A	Lab Control Sample Duplicate	T	Water	MA-EPH-LL	360-84516
MB 360-84516/1-A	Method Blank	T	Water	MA-EPH-LL	360-84516
360-37900-2	BC-GW-MWDUP01-120111	T	Water	MA-EPH-LL	360-84516
360-37900-3	BC-GW-MW25-120111	T	Water	MA-EPH-LL	360-84516
360-37900-4	BC-GW-MW06-120111	T	Water	MA-EPH-LL	360-84516
360-37900-4MS	Matrix Spike	T	Water	MA-EPH-LL	360-84516
360-37900-4MSD	Matrix Spike Duplicate	T	Water	MA-EPH-LL	360-84516
360-37900-5	BC-GW-MW301-120111	T	Water	MA-EPH-LL	360-84516
360-37900-6	BC-GW-MW200A-120111	T	Water	MA-EPH-LL	360-84516
360-37900-7	BC-GW-MW302-120111	T	Water	MA-EPH-LL	360-84516
360-37900-8	BC-GW-MW304-120111	T	Water	MA-EPH-LL	360-84516
360-37900-9	BC-GW-MW305-120111	T	Water	MA-EPH-LL	360-84516

Report Basis
T = Total

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-84196					
LCS 360-84196/2-A	Lab Control Sample	T	Water	3010A	
LCSD 360-84196/3-A	Lab Control Sample Duplicate	T	Water	3010A	
MB 360-84196/1-A	Method Blank	T	Water	3010A	
360-37900-2	BC-GW-MWDUP01-120111	T	Water	3010A	
360-37900-3	BC-GW-MW25-120111	T	Water	3010A	
360-37900-4	BC-GW-MW06-120111	T	Water	3010A	
360-37900-4MS	Matrix Spike	T	Water	3010A	
360-37900-4MSD	Matrix Spike Duplicate	T	Water	3010A	
360-37900-5	BC-GW-MW301-120111	T	Water	3010A	
360-37900-6	BC-GW-MW200A-120111	T	Water	3010A	
360-37900-7	BC-GW-MW302-120111	T	Water	3010A	
360-37900-8	BC-GW-MW304-120111	T	Water	3010A	
360-37900-9	BC-GW-MW305-120111	T	Water	3010A	
Analysis Batch:360-84305					
LCS 360-84196/2-A	Lab Control Sample	T	Water	6010B	360-84196
LCSD 360-84196/3-A	Lab Control Sample Duplicate	T	Water	6010B	360-84196
MB 360-84196/1-A	Method Blank	T	Water	6010B	360-84196
360-37900-2	BC-GW-MWDUP01-120111	T	Water	6010B	360-84196
360-37900-3	BC-GW-MW25-120111	T	Water	6010B	360-84196
360-37900-4	BC-GW-MW06-120111	T	Water	6010B	360-84196
360-37900-4MS	Matrix Spike	T	Water	6010B	360-84196
360-37900-4MSD	Matrix Spike Duplicate	T	Water	6010B	360-84196
360-37900-5	BC-GW-MW301-120111	T	Water	6010B	360-84196
360-37900-6	BC-GW-MW200A-120111	T	Water	6010B	360-84196
360-37900-7	BC-GW-MW302-120111	T	Water	6010B	360-84196
360-37900-8	BC-GW-MW304-120111	T	Water	6010B	360-84196
360-37900-9	BC-GW-MW305-120111	T	Water	6010B	360-84196
Prep Batch: 360-84431					
LCS 360-84431/2-A	Lab Control Sample	T	Water	7470A	
LCSD 360-84431/3-A	Lab Control Sample Duplicate	T	Water	7470A	
MB 360-84431/1-A	Method Blank	T	Water	7470A	
360-37900-2	BC-GW-MWDUP01-120111	T	Water	7470A	
360-37900-3	BC-GW-MW25-120111	T	Water	7470A	
360-37900-4	BC-GW-MW06-120111	T	Water	7470A	
360-37900-4MS	Matrix Spike	T	Water	7470A	
360-37900-4MSD	Matrix Spike Duplicate	T	Water	7470A	
360-37900-5	BC-GW-MW301-120111	T	Water	7470A	
360-37900-6	BC-GW-MW200A-120111	T	Water	7470A	
360-37900-7	BC-GW-MW302-120111	T	Water	7470A	
360-37900-8	BC-GW-MW304-120111	T	Water	7470A	
360-37900-9	BC-GW-MW305-120111	T	Water	7470A	

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
Sdg Number: 360-37900

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:360-84448					
LCS 360-84431/2-A	Lab Control Sample	T	Water	7470A	360-84431
LCSD 360-84431/3-A	Lab Control Sample Duplicate	T	Water	7470A	360-84431
MB 360-84431/1-A	Method Blank	T	Water	7470A	360-84431
360-37900-2	BC-GW-MWDUP01-120111	T	Water	7470A	360-84431
360-37900-3	BC-GW-MW25-120111	T	Water	7470A	360-84431
360-37900-4	BC-GW-MW06-120111	T	Water	7470A	360-84431
360-37900-4MS	Matrix Spike	T	Water	7470A	360-84431
360-37900-4MSD	Matrix Spike Duplicate	T	Water	7470A	360-84431
360-37900-5	BC-GW-MW301-120111	T	Water	7470A	360-84431
360-37900-6	BC-GW-MW200A-120111	T	Water	7470A	360-84431
360-37900-7	BC-GW-MW302-120111	T	Water	7470A	360-84431
360-37900-8	BC-GW-MW304-120111	T	Water	7470A	360-84431
360-37900-9	BC-GW-MW305-120111	T	Water	7470A	360-84431

Report Basis
T = Total

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
SDG: 360-37900

Laboratory Chronicle

Lab ID: 360-37900-1 **Client ID:** BC-TB-GW-120111

Sample Date/Time: 12/01/2011 08:00 Received Date/Time: 12/01/2011 17:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-37900-A-1		360-84486		12/08/2011 19:16	1	TAL WFD	TH
A:8260B	360-37900-A-1		360-84486		12/08/2011 19:16	1	TAL WFD	TH

Lab ID: 360-37900-2 **Client ID:** BC-GW-MWDUP01-120111

Sample Date/Time: 12/01/2011 12:00 Received Date/Time: 12/01/2011 17:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-37900-F-2		360-84762		12/13/2011 16:55	1	TAL WFD	TH
A:8260B	360-37900-F-2		360-84762		12/13/2011 16:55	1	TAL WFD	TH
P:3510C	360-37900-B-2-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	360-37900-B-2-A		360-84720	360-84516	12/13/2011 17:43	1	TAL WFD	VMM
P:3010A	360-37900-C-2-A		360-84305	360-84196	12/02/2011 08:30	1	TAL WFD	OG
A:6010B	360-37900-C-2-A		360-84305	360-84196	12/02/2011 16:10	1	TAL WFD	TJS
P:7470A	360-37900-C-2-B		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	360-37900-C-2-B		360-84448	360-84431	12/07/2011 13:22	1	TAL WFD	TJS

Lab ID: 360-37900-3 **Client ID:** BC-GW-MW25-120111

Sample Date/Time: 12/01/2011 12:20 Received Date/Time: 12/01/2011 17:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-37900-E-3		360-84486		12/08/2011 19:59	1	TAL WFD	TH
A:8260B	360-37900-E-3		360-84486		12/08/2011 19:59	1	TAL WFD	TH
P:3510C	360-37900-B-3-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	360-37900-B-3-A		360-84720	360-84516	12/13/2011 18:17	1	TAL WFD	VMM
P:3010A	360-37900-C-3-A		360-84305	360-84196	12/02/2011 08:30	1	TAL WFD	OG
A:6010B	360-37900-C-3-A		360-84305	360-84196	12/02/2011 16:13	1	TAL WFD	TJS
P:7470A	360-37900-C-3-B		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	360-37900-C-3-B		360-84448	360-84431	12/07/2011 13:24	1	TAL WFD	TJS

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
SDG: 360-37900

Laboratory Chronicle

Lab ID: 360-37900-4 **Client ID:** BC-GW-MW06-120111

Sample Date/Time: 12/01/2011 10:45 Received Date/Time: 12/01/2011 17:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-37900-E-4		360-84486		12/08/2011 20:21	1	TAL WFD	TH
A:8260B	360-37900-E-4		360-84486		12/08/2011 20:21	1	TAL WFD	TH
P:3510C	360-37900-A-4-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	360-37900-A-4-A		360-84720	360-84516	12/13/2011 18:51	1	TAL WFD	VMM
P:3010A	360-37900-C-4-A		360-84305	360-84196	12/02/2011 08:30	1	TAL WFD	OG
A:6010B	360-37900-C-4-A		360-84305	360-84196	12/02/2011 15:56	1	TAL WFD	TJS
P:7470A	360-37900-C-4-D		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	360-37900-C-4-D		360-84448	360-84431	12/07/2011 13:10	1	TAL WFD	TJS

Lab ID: 360-37900-4 **Client ID:** BC-GW-MW06-120111

Sample Date/Time: 12/01/2011 10:45 Received Date/Time: 12/01/2011 17:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-37900-D-4 MS		360-84486		12/08/2011 22:31	1	TAL WFD	TH
A:8260B	360-37900-D-4 MS		360-84486		12/08/2011 22:31	1	TAL WFD	TH
P:3510C	360-37900-B-4-A MS		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	360-37900-B-4-A MS		360-84720	360-84516	12/13/2011 19:25	1	TAL WFD	VMM
P:3010A	360-37900-C-4-B MS		360-84305	360-84196	12/02/2011 08:30	1	TAL WFD	OG
A:6010B	360-37900-C-4-B MS		360-84305	360-84196	12/02/2011 15:58	1	TAL WFD	TJS
P:7470A	360-37900-C-4-E MS		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	360-37900-C-4-E MS		360-84448	360-84431	12/07/2011 13:16	1	TAL WFD	TJS

Lab ID: 360-37900-4 **Client ID:** BC-GW-MW06-120111

Sample Date/Time: 12/01/2011 10:45 Received Date/Time: 12/01/2011 17:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-37900-F-4 MSD		360-84486		12/08/2011 22:52	1	TAL WFD	TH
A:8260B	360-37900-F-4 MSD		360-84486		12/08/2011 22:52	1	TAL WFD	TH
P:3510C	360-37900-A-4-B MSD		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	360-37900-A-4-B MSD		360-84720	360-84516	12/13/2011 19:59	1	TAL WFD	VMM
P:3010A	360-37900-C-4-C MSD		360-84305	360-84196	12/02/2011 08:30	1	TAL WFD	OG
A:6010B	360-37900-C-4-C MSD		360-84305	360-84196	12/02/2011 16:01	1	TAL WFD	TJS
P:7470A	360-37900-C-4-F MSD		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	360-37900-C-4-F MSD		360-84448	360-84431	12/07/2011 13:20	1	TAL WFD	TJS

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
SDG: 360-37900

Laboratory Chronicle

Lab ID: 360-37900-5 **Client ID:** BC-GW-MW301-120111

Sample Date/Time: 12/01/2011 12:15 Received Date/Time: 12/01/2011 17:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-37900-E-5		360-84486		12/08/2011 20:43	1	TAL WFD	TH
A:8260B	360-37900-E-5		360-84486		12/08/2011 20:43	1	TAL WFD	TH
P:3510C	360-37900-A-5-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	360-37900-A-5-A		360-84720	360-84516	12/13/2011 20:33	1	TAL WFD	VMM
P:3010A	360-37900-C-5-A		360-84305	360-84196	12/02/2011 08:30	1	TAL WFD	OG
A:6010B	360-37900-C-5-A		360-84305	360-84196	12/02/2011 16:16	1	TAL WFD	TJS
P:7470A	360-37900-C-5-B		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	360-37900-C-5-B		360-84448	360-84431	12/07/2011 13:30	1	TAL WFD	TJS

Lab ID: 360-37900-6 **Client ID:** BC-GW-MW200A-120111

Sample Date/Time: 12/01/2011 08:45 Received Date/Time: 12/01/2011 17:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-37900-E-6		360-84486		12/08/2011 21:04	1	TAL WFD	TH
A:8260B	360-37900-E-6		360-84486		12/08/2011 21:04	1	TAL WFD	TH
P:3510C	360-37900-B-6-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	360-37900-B-6-A		360-84720	360-84516	12/13/2011 21:08	1	TAL WFD	VMM
P:3010A	360-37900-C-6-A		360-84305	360-84196	12/02/2011 08:30	1	TAL WFD	OG
A:6010B	360-37900-C-6-A		360-84305	360-84196	12/02/2011 16:19	1	TAL WFD	TJS
P:7470A	360-37900-C-6-B		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	360-37900-C-6-B		360-84448	360-84431	12/07/2011 13:32	1	TAL WFD	TJS

Lab ID: 360-37900-7 **Client ID:** BC-GW-MW302-120111

Sample Date/Time: 12/01/2011 10:31 Received Date/Time: 12/01/2011 17:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-37900-E-7		360-84486		12/08/2011 21:26	1	TAL WFD	TH
A:8260B	360-37900-E-7		360-84486		12/08/2011 21:26	1	TAL WFD	TH
P:3510C	360-37900-B-7-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	360-37900-B-7-A		360-84720	360-84516	12/13/2011 21:41	1	TAL WFD	VMM
P:3010A	360-37900-C-7-A		360-84305	360-84196	12/02/2011 08:30	1	TAL WFD	OG
A:6010B	360-37900-C-7-A		360-84305	360-84196	12/02/2011 16:28	1	TAL WFD	TJS
P:7470A	360-37900-C-7-B		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	360-37900-C-7-B		360-84448	360-84431	12/07/2011 13:33	1	TAL WFD	TJS

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
SDG: 360-37900

Laboratory Chronicle

Lab ID: 360-37900-8 **Client ID:** BC-GW-MW304-120111

Sample Date/Time: 12/01/2011 14:10 Received Date/Time: 12/01/2011 17:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-37900-E-8		360-84486		12/08/2011 21:48	1	TAL WFD	TH
A:8260B	360-37900-E-8		360-84486		12/08/2011 21:48	1	TAL WFD	TH
P:3510C	360-37900-B-8-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	360-37900-B-8-A		360-84720	360-84516	12/13/2011 22:16	1	TAL WFD	VMM
P:3010A	360-37900-C-8-A		360-84305	360-84196	12/02/2011 08:30	1	TAL WFD	OG
A:6010B	360-37900-C-8-A		360-84305	360-84196	12/02/2011 16:31	1	TAL WFD	TJS
P:7470A	360-37900-C-8-B		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	360-37900-C-8-B		360-84448	360-84431	12/07/2011 13:35	1	TAL WFD	TJS

Lab ID: 360-37900-9 **Client ID:** BC-GW-MW305-120111

Sample Date/Time: 12/01/2011 14:50 Received Date/Time: 12/01/2011 17:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-37900-E-9		360-84486		12/08/2011 22:10	1	TAL WFD	TH
A:8260B	360-37900-E-9		360-84486		12/08/2011 22:10	1	TAL WFD	TH
P:3510C	360-37900-A-9-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	360-37900-A-9-A		360-84720	360-84516	12/13/2011 22:50	1	TAL WFD	VMM
P:3010A	360-37900-C-9-A		360-84305	360-84196	12/02/2011 08:30	1	TAL WFD	OG
A:6010B	360-37900-C-9-A		360-84305	360-84196	12/02/2011 16:34	1	TAL WFD	TJS
P:7470A	360-37900-C-9-B		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	360-37900-C-9-B		360-84448	360-84431	12/07/2011 13:37	1	TAL WFD	TJS

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:5030B	MB 360-84486/6		360-84486		12/08/2011 15:13	1	TAL WFD	TH
A:8260B	MB 360-84486/6		360-84486		12/08/2011 15:13	1	TAL WFD	TH
P:5030B	MB 360-84762/6		360-84762		12/13/2011 16:31	1	TAL WFD	TH
A:8260B	MB 360-84762/6		360-84762		12/13/2011 16:31	1	TAL WFD	TH
P:3510C	MB 360-84516/1-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	MB 360-84516/1-A		360-84720	360-84516	12/14/2011 08:02	1	TAL WFD	VMM
P:3010A	MB 360-84196/1-A		360-84305	360-84196	12/02/2011 08:30	1	TAL WFD	OG
A:6010B	MB 360-84196/1-A		360-84305	360-84196	12/02/2011 15:41	1	TAL WFD	TJS
P:7470A	MB 360-84431/1-A		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	MB 360-84431/1-A		360-84448	360-84431	12/07/2011 12:59	1	TAL WFD	TJS

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
SDG: 360-37900

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:5030B	LCS 360-84486/3		360-84486		12/08/2011 14:07	1	TAL WFD	TH
A:8260B	LCS 360-84486/3		360-84486		12/08/2011 14:07	1	TAL WFD	TH
P:5030B	LCS 360-84762/3		360-84762		12/13/2011 15:26	1	TAL WFD	TH
A:8260B	LCS 360-84762/3		360-84762		12/13/2011 15:26	1	TAL WFD	TH
P:3510C	LCS 360-84516/2-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	LCS 360-84516/2-A		360-84720	360-84516	12/13/2011 16:34	1	TAL WFD	VMM
P:3010A	LCS 360-84196/2-A		360-84305	360-84196	12/02/2011 08:30	1	TAL WFD	OG
A:6010B	LCS 360-84196/2-A		360-84305	360-84196	12/02/2011 15:44	1	TAL WFD	TJS
P:7470A	LCS 360-84431/2-A		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	LCS 360-84431/2-A		360-84448	360-84431	12/07/2011 13:06	1	TAL WFD	TJS

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:5030B	LCSD 360-84486/4		360-84486		12/08/2011 14:29	1	TAL WFD	TH
A:8260B	LCSD 360-84486/4		360-84486		12/08/2011 14:29	1	TAL WFD	TH
P:5030B	LCSD 360-84762/4		360-84762		12/13/2011 15:47	1	TAL WFD	TH
A:8260B	LCSD 360-84762/4		360-84762		12/13/2011 15:47	1	TAL WFD	TH
P:3510C	LCSD 360-84516/3-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	LCSD 360-84516/3-A		360-84720	360-84516	12/13/2011 17:08	1	TAL WFD	VMM
P:3010A	LCSD 360-84196/3-A		360-84305	360-84196	12/02/2011 08:30	1	TAL WFD	OG
A:6010B	LCSD 360-84196/3-A		360-84305	360-84196	12/02/2011 15:53	1	TAL WFD	TJS
P:7470A	LCSD 360-84431/3-A		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	LCSD 360-84431/3-A		360-84448	360-84431	12/07/2011 13:08	1	TAL WFD	TJS

Lab References:
TAL WFD = TestAmerica Westfield

Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Beaton & Corbin Factory Site

TestAmerica Job ID: 360-37900-1
SDG: 360-37900

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Westfield	Connecticut	State Program	1	PH-0494
TestAmerica Westfield	Maine	State Program	1	MA00014
TestAmerica Westfield	Massachusetts	State Program	1	M-MA014
TestAmerica Westfield	New Hampshire	NELAC	1	2539
TestAmerica Westfield	New York	NELAC	2	10843
TestAmerica Westfield	Rhode Island	State Program	1	LAO00057
TestAmerica Westfield	Vermont	State Program	1	VT-10843

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

State Accreditation Matrix

Method Name	Description	State where **Primary** Accreditation is Carried		
		New Hampshire (NELAC)	Mass	Conn
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)	NP		
SM 4500 Cl F	Chlorine, Residual		NP	
SM 9215E	Heterotrophic Plate Count (SimPlate)		P	
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP	
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P	
SM 9224	Coliforms, Total, and E.Coli (Enumeration)		P	
1103.1	E.coli		ambient/ source	
Enterolert	Enterococcus			
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P	
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	
6010B/C	Metals (ICP)(list upon request)	NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	
7470A	Mercury (CVAA)	NP		
7471A	Mercury (CVAA)	SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		
3010A	Preparation, Total Metals	NP/P		
3020A	Preparation, Total Metals	NP/P/SW		
3050B	Preparation, Metals	SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)	P	P	
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP	NP	
3546	Microwave Extraction	SW		
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		
3550B	Ultrasonic Extraction	SW		
8081AB	Organochlorine Pesticides (GC)(list upon request)	NP/SW		
8082/A	PCBs by Gas Chromatography(list upon request)	NP/SW		
8270C/D	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)	NP/SW		NP/SW
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)	NP/SW		
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	
524.2	Trihalomethane compounds	P	P	
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	
5035	Closed System Purge and Trap	SW		
5030B	Purge and Trap	NP		
8260B/C	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			
180.1	Turbidity, Nephelometric	P	P	
300	Anions, Ion Chromatography	NP/P	NP/P	
410.4	COD	NP	NP	
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	
7196A	Chromium, Hexavalent	NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		
9045C	pH	SW		
L107041C	Nitrogen, Nitrate	NP	P	
L107-06-1B	Nitrogen Ammonia	NP	NP	
L204001A CN	Cyanide, Total	P	NP/P	
L210-001A	Phenolics, Total Recoverable	NP	NP	
SM 2320B	Alkalinity	NP/P	NP/P	
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	
SM 3500 CR D	Chromium, Hexavalent	NP		
SM 4500 H+ B	pH	NP/P	NP/P	
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	
SM 4500 P E	Phosphorus, Total	NP	NP	
SM 4500 S2 D	Sulfide, Total	NP		
SM 5210B	BOD, 5-Day	NP	NP	
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP	

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 the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low

GC Column (1): RTX-VMS ID: 0.25 (um)

Client Sample ID	Lab Sample ID	DBFM #	TOL #	BFB #
BC-TB-GW-120111	360-37900-1	109	103	98
BC-GW-MWDUP01-120111	360-37900-2	109	98	105
BC-GW-MW25-120111	360-37900-3	108	102	96
BC-GW-MW06-120111	360-37900-4	110	102	106
BC-GW-MW301-120111	360-37900-5	109	103	98
BC-GW-MW200A-120111	360-37900-6	108	104	97
BC-GW-MW302-120111	360-37900-7	110	101	99
BC-GW-MW304-120111	360-37900-8	111	103	98
BC-GW-MW305-120111	360-37900-9	110	102	98
	MB 360-84486/6	108	102	98
	MB 360-84762/6	109	101	97
	LCS 360-84486/3	109	104	99
	LCS 360-84762/3	107	101	97
	LCSD 360-84486/4	109	103	98
	LCSD 360-84762/4	107	100	98
BC-GW-MW06-120111 MS	360-37900-4 MS	111	101	103
BC-GW-MW06-120111 MSD	360-37900-4 MSD	110	101	105

	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.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22918.D

Lab ID: LCS 360-84486/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	22.0	110	70-130	
1,1,1-Trichloroethane	20.0	24.9	125	70-130	
1,1,2,2-Tetrachloroethane	20.0	15.8	79	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.7	114	70-130	
1,1,2-Trichloroethane	20.0	19.9	100	70-130	
1,1-Dichloroethane	20.0	21.3	107	70-130	
1,1-Dichloroethene	20.0	23.0	115	70-130	
1,1-Dichloropropene	20.0	21.9	110	70-130	
1,2,3-Trichlorobenzene	20.0	19.1	96	70-130	
1,2,3-Trichloropropane	20.0	18.9	95	70-130	
1,2,4-Trichlorobenzene	20.0	20.6	103	70-130	
1,2,4-Trimethylbenzene	20.0	20.7	104	70-130	
1,2-Dibromo-3-Chloropropane	20.0	18.3	92	70-130	
1,2-Dichlorobenzene	20.0	19.1	96	70-130	
1,2-Dichloroethane	20.0	21.9	110	70-130	
1,2-Dichloropropane	20.0	19.1	96	70-130	
1,3,5-Trimethylbenzene	20.0	20.8	104	70-130	
1,3-Dichlorobenzene	20.0	21.5	108	70-130	
1,3-Dichloropropane	20.0	19.9	100	70-130	
1,4-Dichlorobenzene	20.0	19.4	97	70-130	
2,2-Dichloropropane	20.0	25.4	127	70-130	
2-Butanone (MEK)	200	188	94	70-130	
2-Chlorotoluene	20.0	19.6	98	70-130	
2-Hexanone	200	188	94	70-130	
4-Chlorotoluene	20.0	19.4	97	70-130	
4-Isopropyltoluene	20.0	22.2	111	70-130	
4-Methyl-2-pentanone (MIBK)	200	184	92	70-130	
Acetone	200	195	98	70-130	
Acrylonitrile	20.0	20.5	103	70-130	
Benzene	20.0	21.2	106	70-130	
Bromobenzene	20.0	18.0	90	70-130	
Bromoform	20.0	20.2	101	70-130	
Bromomethane	20.0	21.4	107	70-130	
Carbon disulfide	20.0	27.1	136	70-130	*
Carbon tetrachloride	20.0	27.8	139	70-130	*
Chlorobenzene	20.0	20.6	103	70-130	
Chlorodibromomethane	20.0	23.2	116	70-130	
Chloroethane	20.0	18.8	94	70-130	
Chloroform	20.0	21.4	107	70-130	
Chloromethane	20.0	17.2	86	70-130	
cis-1,2-Dichloroethene	20.0	20.3	102	70-130	

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.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22918.D

Lab ID: LCS 360-84486/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
cis-1,3-Dichloropropene	20.0	21.4	107	70-130	
Dibromomethane	20.0	21.6	108	70-130	
Dichlorobromomethane	20.0	21.9	110	70-130	
Dichlorodifluoromethane	20.0	23.8	119	70-130	
Ethylbenzene	20.0	19.5	98	70-130	
Ethylene Dibromide	20.0	21.8	109	70-130	
Hexachlorobutadiene	20.0	21.9	110	70-130	
Isopropylbenzene	20.0	20.4	102	70-130	
m-Xylene & p-Xylene	40.0	40.1	100	70-130	
Methyl tert-butyl ether	20.0	22.0	110	70-130	
Methylene Chloride	20.0	23.4	117	70-130	
n-Butylbenzene	20.0	18.9	95	70-130	
N-Propylbenzene	20.0	20.0	100	70-130	
Naphthalene	20.0	16.9	85	70-130	
o-Xylene	20.0	19.9	100	70-130	
sec-Butylbenzene	20.0	20.5	103	70-130	
Styrene	20.0	20.0	100	70-130	
tert-Butylbenzene	20.0	21.2	106	70-130	
Tetrachloroethene	20.0	24.7	124	70-130	
Tetrahydrofuran	200	181	91	70-130	
Toluene	20.0	21.5	108	70-130	
trans-1,2-Dichloroethene	20.0	20.9	105	70-130	
trans-1,3-Dichloropropene	20.0	22.0	110	70-130	
trans-1,4-Dichloro-2-butene	20.0	19.2	96	70-130	
Trichloroethene	20.0	22.5	113	70-130	
Trichlorofluoromethane	20.0	23.8	119	70-130	
Vinyl chloride	20.0	19.3	97	70-130	
Xylenes, Total	60.0	60.0	100	70-130	

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.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22989.D

Lab ID: LCS 360-84762/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	21.1	106	70-130	
1,1,1-Trichloroethane	20.0	23.0	115	70-130	
1,1,2,2-Tetrachloroethane	20.0	15.6	78	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.5	103	70-130	
1,1,2-Trichloroethane	20.0	18.5	93	70-130	
1,1-Dichloroethane	20.0	19.3	97	70-130	
1,1-Dichloroethene	20.0	23.0	115	70-130	
1,1-Dichloropropene	20.0	20.1	101	70-130	
1,2,3-Trichlorobenzene	20.0	19.0	95	70-130	
1,2,3-Trichloropropane	20.0	18.4	92	70-130	
1,2,4-Trichlorobenzene	20.0	20.2	101	70-130	
1,2,4-Trimethylbenzene	20.0	19.8	99	70-130	
1,2-Dibromo-3-Chloropropane	20.0	18.1	91	70-130	
1,2-Dichlorobenzene	20.0	19.1	96	70-130	
1,2-Dichloroethane	20.0	20.3	102	70-130	
1,2-Dichloropropane	20.0	17.2	86	70-130	
1,3,5-Trimethylbenzene	20.0	19.7	99	70-130	
1,3-Dichlorobenzene	20.0	21.0	105	70-130	
1,3-Dichloropropane	20.0	18.5	93	70-130	
1,4-Dichlorobenzene	20.0	19.5	98	70-130	
2,2-Dichloropropane	20.0	22.5	113	70-130	
2-Butanone (MEK)	200	156	78	70-130	
2-Chlorotoluene	20.0	18.5	93	70-130	
2-Hexanone	200	162	81	70-130	
4-Chlorotoluene	20.0	18.8	94	70-130	
4-Isopropyltoluene	20.0	20.8	104	70-130	
4-Methyl-2-pentanone (MIBK)	200	156	78	70-130	
Acetone	200	165	82	70-130	
Acrylonitrile	20.0	16.9	85	70-130	
Benzene	20.0	19.4	97	70-130	
Bromobenzene	20.0	17.2	86	70-130	
Bromoform	20.0	20.3	102	70-130	
Bromomethane	20.0	20.6	103	70-130	
Carbon disulfide	20.0	26.4	132	70-130	*
Carbon tetrachloride	20.0	25.9	130	70-130	
Chlorobenzene	20.0	20.3	102	70-130	
Chlorodibromomethane	20.0	21.6	108	70-130	
Chloroethane	20.0	18.1	91	70-130	
Chloroform	20.0	19.9	100	70-130	
Chloromethane	20.0	15.5	78	70-130	
cis-1,2-Dichloroethene	20.0	18.3	92	70-130	

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.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22989.D

Lab ID: LCS 360-84762/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
cis-1,3-Dichloropropene	20.0	19.2	96	70-130	
Dibromomethane	20.0	20.1	101	70-130	
Dichlorobromomethane	20.0	20.4	102	70-130	
Dichlorodifluoromethane	20.0	22.4	112	70-130	
Ethylbenzene	20.0	19.0	95	70-130	
Ethylene Dibromide	20.0	20.4	102	70-130	
Hexachlorobutadiene	20.0	20.7	104	70-130	
Isopropylbenzene	20.0	19.9	100	70-130	
m-Xylene & p-Xylene	40.0	38.7	97	70-130	
Methyl tert-butyl ether	20.0	20.4	102	70-130	
Methylene Chloride	20.0	20.4	102	70-130	
n-Butylbenzene	20.0	17.7	89	70-130	
N-Propylbenzene	20.0	19.1	96	70-130	
Naphthalene	20.0	16.7	84	70-130	
o-Xylene	20.0	19.4	97	70-130	
sec-Butylbenzene	20.0	19.0	95	70-130	
Styrene	20.0	19.8	99	70-130	
tert-Butylbenzene	20.0	20.1	101	70-130	
Tetrachloroethene	20.0	23.4	117	70-130	
Tetrahydrofuran	200	159	80	70-130	
Toluene	20.0	19.8	99	70-130	
trans-1,2-Dichloroethene	20.0	18.9	95	70-130	
trans-1,3-Dichloropropene	20.0	20.0	100	70-130	
trans-1,4-Dichloro-2-butene	20.0	16.4	82	70-130	
Trichloroethene	20.0	20.8	104	70-130	
Trichlorofluoromethane	20.0	22.2	111	70-130	
Vinyl chloride	20.0	17.4	87	70-130	
Xylenes, Total	60.0	58.1	97	70-130	

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.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22919.D

Lab ID: LCSD 360-84486/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	21.0	105	5	25	70-130	
1,1,1-Trichloroethane	20.0	23.3	117	7	25	70-130	
1,1,2,2-Tetrachloroethane	20.0	15.8	79	0	25	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.0	110	3	25	70-130	
1,1,2-Trichloroethane	20.0	20.4	102	2	25	70-130	
1,1-Dichloroethane	20.0	20.1	101	6	25	70-130	
1,1-Dichloroethene	20.0	21.3	107	8	25	70-130	
1,1-Dichloropropene	20.0	20.4	102	7	25	70-130	
1,2,3-Trichlorobenzene	20.0	19.3	97	1	25	70-130	
1,2,3-Trichloropropane	20.0	18.7	94	1	25	70-130	
1,2,4-Trichlorobenzene	20.0	20.4	102	1	25	70-130	
1,2,4-Trimethylbenzene	20.0	20.0	100	3	25	70-130	
1,2-Dibromo-3-Chloropropane	20.0	18.9	95	3	25	70-130	
1,2-Dichlorobenzene	20.0	18.8	94	2	25	70-130	
1,2-Dichloroethane	20.0	21.3	107	3	25	70-130	
1,2-Dichloropropane	20.0	18.5	93	3	25	70-130	
1,3,5-Trimethylbenzene	20.0	19.9	100	4	25	70-130	
1,3-Dichlorobenzene	20.0	21.0	105	2	25	70-130	
1,3-Dichloropropane	20.0	19.7	99	1	25	70-130	
1,4-Dichlorobenzene	20.0	19.0	95	2	25	70-130	
2,2-Dichloropropane	20.0	24.0	120	6	25	70-130	
2-Butanone (MEK)	200	181	90	4	25	70-130	
2-Chlorotoluene	20.0	18.7	94	5	25	70-130	
2-Hexanone	200	184	92	2	25	70-130	
4-Chlorotoluene	20.0	18.8	94	3	25	70-130	
4-Isopropyltoluene	20.0	21.1	106	5	25	70-130	
4-Methyl-2-pentanone (MIBK)	200	177	89	3	25	70-130	
Acetone	200	190	95	3	25	70-130	
Acrylonitrile	20.0	19.1	96	7	25	70-130	
Benzene	20.0	20.1	101	5	25	70-130	
Bromobenzene	20.0	17.7	89	2	25	70-130	
Bromoform	20.0	19.8	99	2	25	70-130	
Bromomethane	20.0	21.9	110	2	25	70-130	
Carbon disulfide	20.0	26.7	134	1	25	70-130	
Carbon tetrachloride	20.0	26.1	131	6	25	70-130	
Chlorobenzene	20.0	19.8	99	4	25	70-130	
Chlorodibromomethane	20.0	22.6	113	3	25	70-130	
Chloroethane	20.0	18.7	94	1	25	70-130	
Chloroform	20.0	20.5	103	4	25	70-130	
Chloromethane	20.0	16.5	83	4	25	70-130	
cis-1,2-Dichloroethene	20.0	19.3	97	5	25	70-130	

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.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22919.D

Lab ID: LCSD 360-84486/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
cis-1,3-Dichloropropene	20.0	20.9	105	2	25	70-130	
Dibromomethane	20.0	21.4	107	1	25	70-130	
Dichlorobromomethane	20.0	21.0	105	4	25	70-130	
Dichlorodifluoromethane	20.0	22.2	111	7	25	70-130	
Ethylbenzene	20.0	18.7	94	4	25	70-130	
Ethylene Dibromide	20.0	21.6	108	1	25	70-130	
Hexachlorobutadiene	20.0	20.9	105	5	25	70-130	
Isopropylbenzene	20.0	19.8	99	3	25	70-130	
m-Xylene & p-Xylene	40.0	38.3	96	5	25	70-130	
Methyl tert-butyl ether	20.0	21.6	108	2	25	70-130	
Methylene Chloride	20.0	22.5	113	4	25	70-130	
n-Butylbenzene	20.0	17.8	89	6	25	70-130	
N-Propylbenzene	20.0	19.0	95	5	25	70-130	
Naphthalene	20.0	17.1	86	1	25	70-130	
o-Xylene	20.0	19.3	97	3	25	70-130	
sec-Butylbenzene	20.0	19.7	99	4	25	70-130	
Styrene	20.0	19.5	98	3	25	70-130	
tert-Butylbenzene	20.0	20.1	101	5	25	70-130	
Tetrachloroethene	20.0	23.0	115	7	25	70-130	
Tetrahydrofuran	200	178	89	2	25	70-130	
Toluene	20.0	20.3	102	6	25	70-130	
trans-1,2-Dichloroethene	20.0	19.6	98	6	25	70-130	
trans-1,3-Dichloropropene	20.0	21.8	109	1	25	70-130	
trans-1,4-Dichloro-2-butene	20.0	19.0	95	1	25	70-130	
Trichloroethene	20.0	21.2	106	6	25	70-130	
Trichlorofluoromethane	20.0	22.2	111	7	25	70-130	
Vinyl chloride	20.0	18.1	91	6	25	70-130	
Xylenes, Total	60.0	57.6	96	4	25	70-130	

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.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22990.D

Lab ID: LCSD 360-84762/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	20.3	102	4	25	70-130	
1,1,1-Trichloroethane	20.0	22.0	110	4	25	70-130	
1,1,2,2-Tetrachloroethane	20.0	15.6	78	0	25	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.7	89	15	25	70-130	
1,1,2-Trichloroethane	20.0	17.7	89	4	25	70-130	
1,1-Dichloroethane	20.0	18.3	92	5	25	70-130	
1,1-Dichloroethene	20.0	20.0	100	14	25	70-130	
1,1-Dichloropropene	20.0	19.1	96	5	25	70-130	
1,2,3-Trichlorobenzene	20.0	19.1	96	1	25	70-130	
1,2,3-Trichloropropane	20.0	19.2	96	4	25	70-130	
1,2,4-Trichlorobenzene	20.0	19.9	100	1	25	70-130	
1,2,4-Trimethylbenzene	20.0	19.6	98	1	25	70-130	
1,2-Dibromo-3-Chloropropane	20.0	18.8	94	4	25	70-130	
1,2-Dichlorobenzene	20.0	18.9	95	1	25	70-130	
1,2-Dichloroethane	20.0	19.5	98	4	25	70-130	
1,2-Dichloropropane	20.0	16.8	84	2	25	70-130	
1,3,5-Trimethylbenzene	20.0	19.2	96	3	25	70-130	
1,3-Dichlorobenzene	20.0	20.7	104	1	25	70-130	
1,3-Dichloropropane	20.0	18.4	92	1	25	70-130	
1,4-Dichlorobenzene	20.0	19.0	95	3	25	70-130	
2,2-Dichloropropane	20.0	21.7	109	4	25	70-130	
2-Butanone (MEK)	200	152	76	3	25	70-130	
2-Chlorotoluene	20.0	18.2	91	2	25	70-130	
2-Hexanone	200	163	81	1	25	70-130	
4-Chlorotoluene	20.0	18.1	91	4	25	70-130	
4-Isopropyltoluene	20.0	20.4	102	2	25	70-130	
4-Methyl-2-pentanone (MIBK)	200	155	77	1	25	70-130	
Acetone	200	163	82	1	25	70-130	
Acrylonitrile	20.0	16.3	82	4	25	70-130	
Benzene	20.0	18.4	92	5	25	70-130	
Bromobenzene	20.0	16.8	84	2	25	70-130	
Bromoform	20.0	19.6	98	4	25	70-130	
Bromomethane	20.0	21.1	106	2	25	70-130	
Carbon disulfide	20.0	22.6	113	16	25	70-130	
Carbon tetrachloride	20.0	24.6	123	5	25	70-130	
Chlorobenzene	20.0	19.2	96	6	25	70-130	
Chlorodibromomethane	20.0	21.3	107	1	25	70-130	
Chloroethane	20.0	17.9	90	1	25	70-130	
Chloroform	20.0	18.8	94	6	25	70-130	
Chloromethane	20.0	15.0	75	3	25	70-130	
cis-1,2-Dichloroethene	20.0	17.6	88	4	25	70-130	

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.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22990.D

Lab ID: LCSD 360-84762/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
cis-1,3-Dichloropropene	20.0	18.9	95	2	25	70-130	
Dibromomethane	20.0	19.9	100	1	25	70-130	
Dichlorobromomethane	20.0	19.9	100	2	25	70-130	
Dichlorodifluoromethane	20.0	20.5	103	9	25	70-130	
Ethylbenzene	20.0	18.1	91	5	25	70-130	
Ethylene Dibromide	20.0	20.5	103	0	25	70-130	
Hexachlorobutadiene	20.0	19.7	99	5	25	70-130	
Isopropylbenzene	20.0	19.2	96	4	25	70-130	
m-Xylene & p-Xylene	40.0	37.0	93	4	25	70-130	
Methyl tert-butyl ether	20.0	20.0	100	2	25	70-130	
Methylene Chloride	20.0	19.4	97	5	25	70-130	
n-Butylbenzene	20.0	16.7	84	6	25	70-130	
N-Propylbenzene	20.0	18.2	91	5	25	70-130	
Naphthalene	20.0	16.9	85	1	25	70-130	
o-Xylene	20.0	18.7	94	4	25	70-130	
sec-Butylbenzene	20.0	18.6	93	2	25	70-130	
Styrene	20.0	19.1	96	4	25	70-130	
tert-Butylbenzene	20.0	19.8	99	2	25	70-130	
Tetrachloroethene	20.0	22.0	110	6	25	70-130	
Tetrahydrofuran	200	156	78	2	25	70-130	
Toluene	20.0	19.0	95	4	25	70-130	
trans-1,2-Dichloroethene	20.0	17.9	90	5	25	70-130	
trans-1,3-Dichloropropene	20.0	19.9	100	1	25	70-130	
trans-1,4-Dichloro-2-butene	20.0	15.7	79	4	25	70-130	
Trichloroethene	20.0	19.3	97	7	25	70-130	
Trichlorofluoromethane	20.0	21.5	108	3	25	70-130	
Vinyl chloride	20.0	16.3	82	7	25	70-130	
Xylenes, Total	60.0	55.7	93	4	25	70-130	

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.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22940.D

Lab ID: 360-37900-4 MS Client ID: BC-GW-MW06-120111 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	ND	22.8	114	70-130	
1,1,1-Trichloroethane	20.0	20	46.0	132	70-130	F
1,1,2,2-Tetrachloroethane	20.0	ND	16.3	82	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	ND	20.2	101	70-130	
1,1,2-Trichloroethane	20.0	ND	22.0	110	70-130	
1,1-Dichloroethane	20.0	19	39.4	103	70-130	
1,1-Dichloroethene	20.0	2.7	26.6	119	70-130	
1,1-Dichloropropene	20.0	ND	22.0	110	70-130	
1,2,3-Trichlorobenzene	20.0	ND	19.6	98	70-130	
1,2,3-Trichloropropane	20.0	ND	20.5	103	70-130	
1,2,4-Trichlorobenzene	20.0	ND	20.9	105	70-130	
1,2,4-Trimethylbenzene	20.0	ND	20.6	103	70-130	
1,2-Dibromo-3-Chloropropane	20.0	ND	19.8	99	70-130	
1,2-Dichlorobenzene	20.0	2.4	21.9	97	70-130	
1,2-Dichloroethane	20.0	ND	22.8	114	70-130	
1,2-Dichloropropane	20.0	ND	19.2	96	70-130	
1,3,5-Trimethylbenzene	20.0	ND	20.5	103	70-130	
1,3-Dichlorobenzene	20.0	ND	22.4	112	70-130	
1,3-Dichloropropane	20.0	ND	20.4	102	70-130	
1,4-Dichlorobenzene	20.0	ND	20.4	102	70-130	
2,2-Dichloropropane	20.0	ND	27.2	136	70-130	F
2-Butanone (MEK)	200	ND	171	85	70-130	
2-Chlorotoluene	20.0	ND	19.9	100	70-130	
2-Hexanone	200	ND	178	89	70-130	
4-Chlorotoluene	20.0	ND	20.0	100	70-130	
4-Isopropyltoluene	20.0	ND	22.6	113	70-130	
4-Methyl-2-pentanone (MIBK)	200	ND	178	89	70-130	
Acetone	200	ND	185	92	70-130	
Acrylonitrile	20.0	ND	19.4	97	70-130	
Benzene	20.0	ND	21.5	108	70-130	
Bromobenzene	20.0	ND	18.2	91	70-130	
Bromoform	20.0	ND	18.1	91	70-130	
Bromomethane	20.0	ND	22.6	113	70-130	
Carbon disulfide	20.0	ND	24.6	123	70-130	
Carbon tetrachloride	20.0	ND	29.1	146	70-130	F
Chlorobenzene	20.0	ND	20.5	103	70-130	
Chlorodibromomethane	20.0	ND	22.2	111	70-130	
Chloroethane	20.0	ND	21.0	105	70-130	
Chloroform	20.0	ND	21.7	109	70-130	
Chloromethane	20.0	ND	17.0	85	70-130	
cis-1,2-Dichloroethene	20.0	36	54.0	89	70-130	

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.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22940.D

Lab ID: 360-37900-4 MS Client ID: BC-GW-MW06-120111 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
cis-1,3-Dichloropropene	20.0	ND	19.8	99	70-130	
Dibromomethane	20.0	ND	22.8	114	70-130	
Dichlorobromomethane	20.0	ND	22.4	112	70-130	
Dichlorodifluoromethane	20.0	ND	22.8	114	70-130	
Ethylbenzene	20.0	ND	19.6	98	70-130	
Ethylene Dibromide	20.0	ND	22.0	110	70-130	
Hexachlorobutadiene	20.0	ND	21.6	108	70-130	
Isopropylbenzene	20.0	1.6	22.9	106	70-130	
m-Xylene & p-Xylene	40.0	ND	40.1	100	70-130	
Methyl tert-butyl ether	20.0	ND	23.5	118	70-130	
Methylene Chloride	20.0	ND	23.9	120	70-130	
n-Butylbenzene	20.0	ND	18.7	94	70-130	
N-Propylbenzene	20.0	ND	20.6	103	70-130	
Naphthalene	20.0	ND	17.4	87	70-130	
o-Xylene	20.0	ND	20.7	104	70-130	
sec-Butylbenzene	20.0	6.0	26.2	101	70-130	
Styrene	20.0	ND	19.0	95	70-130	
tert-Butylbenzene	20.0	1.9	23.7	109	70-130	
Tetrachloroethene	20.0	1.9	27.4	128	70-130	
Tetrahydrofuran	200	ND	182	91	70-130	
Toluene	20.0	ND	21.3	107	70-130	
trans-1,2-Dichloroethene	20.0	ND	22.1	109	70-130	
trans-1,3-Dichloropropene	20.0	ND	21.2	106	70-130	
trans-1,4-Dichloro-2-butene	20.0	ND	14.7	74	70-130	
Trichloroethene	20.0	38	56.8	94	70-130	
Trichlorofluoromethane	20.0	ND	25.5	128	70-130	
Vinyl chloride	20.0	2.3	21.7	97	70-130	
Xylenes, Total	60.0	ND	60.8	101	70-130	

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.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22941.D

Lab ID: 360-37900-4 MSD Client ID: BC-GW-MW06-120111 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	22.0	110	4	30	70-130	
1,1,1-Trichloroethane	20.0	43.8	121	5	30	70-130	
1,1,2,2-Tetrachloroethane	20.0	16.3	82	0	30	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.6	98	3	30	70-130	
1,1,2-Trichloroethane	20.0	20.6	103	7	30	70-130	
1,1-Dichloroethane	20.0	37.7	95	4	30	70-130	
1,1-Dichloroethene	20.0	24.9	111	7	30	70-130	
1,1-Dichloropropene	20.0	20.9	105	5	30	70-130	
1,2,3-Trichlorobenzene	20.0	19.5	98	1	30	70-130	
1,2,3-Trichloropropane	20.0	20.7	104	1	30	70-130	
1,2,4-Trichlorobenzene	20.0	20.6	103	1	30	70-130	
1,2,4-Trimethylbenzene	20.0	19.9	100	3	30	70-130	
1,2-Dibromo-3-Chloropropane	20.0	19.3	97	3	30	70-130	
1,2-Dichlorobenzene	20.0	21.3	94	3	30	70-130	
1,2-Dichloroethane	20.0	22.1	111	3	30	70-130	
1,2-Dichloropropane	20.0	18.4	92	4	30	70-130	
1,3,5-Trimethylbenzene	20.0	19.8	99	3	30	70-130	
1,3-Dichlorobenzene	20.0	21.7	109	3	30	70-130	
1,3-Dichloropropane	20.0	20.2	101	1	30	70-130	
1,4-Dichlorobenzene	20.0	19.4	97	5	30	70-130	
2,2-Dichloropropane	20.0	26.3	132	3	30	70-130	F
2-Butanone (MEK)	200	173	87	1	30	70-130	
2-Chlorotoluene	20.0	19.5	98	2	30	70-130	
2-Hexanone	200	177	88	1	30	70-130	
4-Chlorotoluene	20.0	19.3	97	4	30	70-130	
4-Isopropyltoluene	20.0	21.8	109	4	30	70-130	
4-Methyl-2-pentanone (MIBK)	200	181	90	2	30	70-130	
Acetone	200	185	92	0	30	70-130	
Acrylonitrile	20.0	19.0	95	2	30	70-130	
Benzene	20.0	20.6	103	4	30	70-130	
Bromobenzene	20.0	17.9	90	2	30	70-130	
Bromoform	20.0	18.1	91	0	30	70-130	
Bromomethane	20.0	22.2	111	2	30	70-130	
Carbon disulfide	20.0	23.4	117	5	30	70-130	
Carbon tetrachloride	20.0	27.6	138	5	30	70-130	F
Chlorobenzene	20.0	20.3	102	1	30	70-130	
Chlorodibromomethane	20.0	21.9	110	1	30	70-130	
Chloroethane	20.0	19.8	99	6	30	70-130	
Chloroform	20.0	21.4	107	1	30	70-130	
Chloromethane	20.0	16.5	83	3	30	70-130	
cis-1,2-Dichloroethene	20.0	52.0	79	4	30	70-130	

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.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: V22941.D

Lab ID: 360-37900-4 MSD Client ID: BC-GW-MW06-120111 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
cis-1,3-Dichloropropene	20.0	19.7	99	1	30	70-130	
Dibromomethane	20.0	21.7	109	5	30	70-130	
Dichlorobromomethane	20.0	21.6	108	4	30	70-130	
Dichlorodifluoromethane	20.0	21.4	107	6	30	70-130	
Ethylbenzene	20.0	18.8	94	4	30	70-130	
Ethylene Dibromide	20.0	21.9	110	0	30	70-130	
Hexachlorobutadiene	20.0	20.5	103	5	30	70-130	
Isopropylbenzene	20.0	21.9	101	4	30	70-130	
m-Xylene & p-Xylene	40.0	38.6	97	4	30	70-130	
Methyl tert-butyl ether	20.0	23.5	118	0	30	70-130	
Methylene Chloride	20.0	22.8	114	5	30	70-130	
n-Butylbenzene	20.0	17.8	89	5	30	70-130	
N-Propylbenzene	20.0	19.8	99	4	30	70-130	
Naphthalene	20.0	17.6	88	1	30	70-130	
o-Xylene	20.0	19.9	100	4	30	70-130	
sec-Butylbenzene	20.0	25.5	98	3	30	70-130	
Styrene	20.0	18.6	93	2	30	70-130	
tert-Butylbenzene	20.0	22.8	105	4	30	70-130	
Tetrachloroethene	20.0	25.4	118	8	30	70-130	
Tetrahydrofuran	200	180	90	1	30	70-130	
Toluene	20.0	20.3	102	5	30	70-130	
trans-1,2-Dichloroethene	20.0	20.6	101	7	30	70-130	
trans-1,3-Dichloropropene	20.0	20.1	101	5	30	70-130	
trans-1,4-Dichloro-2-butene	20.0	15.2	76	3	30	70-130	
Trichloroethene	20.0	54.3	81	5	30	70-130	
Trichlorofluoromethane	20.0	24.4	122	4	30	70-130	
Vinyl chloride	20.0	21.1	94	3	30	70-130	
Xylenes, Total	60.0	58.5	98	4	30	70-130	

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.: 360-37900-1

SDG No.: 360-37900

Lab File ID: V22921.D Lab Sample ID: MB 360-84486/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: Agilent#2 GC/MS Date Analyzed: 12/08/2011 15:13

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 360-84486/3	V22918.D	12/08/2011 14:07
	LCSD 360-84486/4	V22919.D	12/08/2011 14:29
BC-TB-GW-120111	360-37900-1	V22931.D	12/08/2011 19:16
BC-GW-MW25-120111	360-37900-3	V22933.D	12/08/2011 19:59
BC-GW-MW06-120111	360-37900-4	V22934.D	12/08/2011 20:21
BC-GW-MW301-120111	360-37900-5	V22935.D	12/08/2011 20:43
BC-GW-MW200A-120111	360-37900-6	V22936.D	12/08/2011 21:04
BC-GW-MW302-120111	360-37900-7	V22937.D	12/08/2011 21:26
BC-GW-MW304-120111	360-37900-8	V22938.D	12/08/2011 21:48
BC-GW-MW305-120111	360-37900-9	V22939.D	12/08/2011 22:10
BC-GW-MW06-120111 MS	360-37900-4 MS	V22940.D	12/08/2011 22:31
BC-GW-MW06-120111 MSD	360-37900-4 MSD	V22941.D	12/08/2011 22:52

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab File ID: V22992.D Lab Sample ID: MB 360-84762/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: Agilent#2 GC/MS Date Analyzed: 12/13/2011 16:31

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 360-84762/3	V22989.D	12/13/2011 15:26
	LCSD 360-84762/4	V22990.D	12/13/2011 15:47
BC-GW-MWDUP01-120111	360-37900-2	V22993.D	12/13/2011 16:55

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab File ID: V22677.D BFB Injection Date: 11/29/2011

Instrument ID: Agilent#2 GC/MS BFB Injection Time: 19:15

Analysis Batch No.: 84017

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.6	
75	30.0 - 60.0 % of mass 95	46.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	90.0	
175	5.0 - 9.0 % of mass 174	6.7	(7.5)1
176	95.0 - 101.0 % of mass 174	87.5	(97.3)1
177	5.0 - 9.0 % of mass 176	6.0	(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
	STD03 360-84017/2	V22678.D	11/29/2011	19:37
	STD05 360-84017/3	V22679.D	11/29/2011	19:59
	STD1 360-84017/4	V22680.D	11/29/2011	20:21
	STD5 360-84017/5	V22681.D	11/29/2011	20:42
	STD10 360-84017/6	V22682.D	11/29/2011	21:04
	STD20 360-84017/7	V22683.D	11/29/2011	21:26
	STD40 360-84017/8	V22684.D	11/29/2011	21:48
	STD80 360-84017/9	V22685.D	11/29/2011	22:10
	STD160 360-84017/10	V22686.D	11/29/2011	22:31

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab File ID: V22916.D BFB Injection Date: 12/08/2011

Instrument ID: Agilent#2 GC/MS BFB Injection Time: 13:24

Analysis Batch No.: 84486

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.2	
75	30.0 - 60.0 % of mass 95	46.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.1	(0.1)1
174	50.0 - 120.00 % of mass 95	89.3	
175	5.0 - 9.0 % of mass 174	7.2	(8.1)1
176	95.0 - 101.0 % of mass 174	86.5	(96.9)1
177	5.0 - 9.0 % of mass 176	6.4	(7.4)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 360-84486/2	V22917.D	12/08/2011	13:46
	LCS 360-84486/3	V22918.D	12/08/2011	14:07
	LCSD 360-84486/4	V22919.D	12/08/2011	14:29
	MB 360-84486/6	V22921.D	12/08/2011	15:13
BC-TB-GW-120111	360-37900-1	V22931.D	12/08/2011	19:16
BC-GW-MW25-120111	360-37900-3	V22933.D	12/08/2011	19:59
BC-GW-MW06-120111	360-37900-4	V22934.D	12/08/2011	20:21
BC-GW-MW301-120111	360-37900-5	V22935.D	12/08/2011	20:43
BC-GW-MW200A-120111	360-37900-6	V22936.D	12/08/2011	21:04
BC-GW-MW302-120111	360-37900-7	V22937.D	12/08/2011	21:26
BC-GW-MW304-120111	360-37900-8	V22938.D	12/08/2011	21:48
BC-GW-MW305-120111	360-37900-9	V22939.D	12/08/2011	22:10
BC-GW-MW06-120111 MS	360-37900-4 MS	V22940.D	12/08/2011	22:31
BC-GW-MW06-120111 MSD	360-37900-4 MSD	V22941.D	12/08/2011	22:52

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab File ID: V22987.D BFB Injection Date: 12/13/2011

Instrument ID: Agilent#2 GC/MS BFB Injection Time: 14:42

Analysis Batch No.: 84762

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.2	
75	30.0 - 60.0 % of mass 95	47.8	
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	0.3	(0.4)1
174	50.0 - 120.00 % of mass 95	91.3	
175	5.0 - 9.0 % of mass 174	7.9	(8.7)1
176	95.0 - 101.0 % of mass 174	88.5	(96.9)1
177	5.0 - 9.0 % of mass 176	6.1	(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 360-84762/2	V22988.D	12/13/2011	15:04
	LCS 360-84762/3	V22989.D	12/13/2011	15:26
	LCSD 360-84762/4	V22990.D	12/13/2011	15:47
	MB 360-84762/6	V22992.D	12/13/2011	16:31
BC-GW-MWDUP01-120111	360-37900-2	V22993.D	12/13/2011	16:55

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

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Sample No.: CCVIS 360-84486/2 Date Analyzed: 12/08/2011 13:46

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V22917.D Heated Purge: (Y/N) N

Calibration ID: 16519

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		15939	6.43	232970	6.77	187755	11.31
UPPER LIMIT		31878	6.93	465940	7.27	375510	11.81
LOWER LIMIT		7970	5.93	116485	6.27	93878	10.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-84486/3		16050	6.43	231567	6.77	182785	11.31
LCSD 360-84486/4		15699	6.43	225114	6.77	179609	11.31
MB 360-84486/6		15207	6.43	224854	6.77	179760	11.31
360-37900-1	BC-TB-GW-120111	14964	6.43	216198	6.77	176686	11.31
360-37900-3	BC-GW-MW25-120111	14660	6.43	216936	6.77	172816	11.31
360-37900-4	BC-GW-MW06-120111	14937	6.43	211899	6.77	170535	11.31
360-37900-5	BC-GW-MW301-120111	15005	6.43	212709	6.77	172097	11.31
360-37900-6	BC-GW-MW200A-120111	14537	6.43	212062	6.77	174585	11.31
360-37900-7	BC-GW-MW302-120111	15004	6.43	212298	6.77	169171	11.31
360-37900-8	BC-GW-MW304-120111	14976	6.43	210528	6.77	169143	11.31
360-37900-9	BC-GW-MW305-120111	14928	6.43	210321	6.77	169666	11.31
360-37900-4 MS	BC-GW-MW06-120111 MS	14864	6.43	208462	6.77	167968	11.31
360-37900-4 MSD	BC-GW-MW06-120111 MSD	14897	6.43	213929	6.77	171061	11.31

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.: 360-37900-1

SDG No.: 360-37900

Sample No.: CCVIS 360-84486/2 Date Analyzed: 12/08/2011 13:46

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V22917.D Heated Purge: (Y/N) N

Calibration ID: 16519

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		107408	13.77				
UPPER LIMIT		214816	14.27				
LOWER LIMIT		53704	13.27				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-84486/3		107561	13.77				
LCSD 360-84486/4		106636	13.77				
MB 360-84486/6		101420	13.77				
360-37900-1	BC-TB-GW-120111	98573	13.77				
360-37900-3	BC-GW-MW25-120111	96425	13.77				
360-37900-4	BC-GW-MW06-120111	100138	13.77				
360-37900-5	BC-GW-MW301-120111	97709	13.77				
360-37900-6	BC-GW-MW200A-120111	98666	13.77				
360-37900-7	BC-GW-MW302-120111	95509	13.77				
360-37900-8	BC-GW-MW304-120111	96527	13.77				
360-37900-9	BC-GW-MW305-120111	96438	13.77				
360-37900-4 MS	BC-GW-MW06-120111 MS	99662	13.77				
360-37900-4 MSD	BC-GW-MW06-120111 MSD	102454	13.77				

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.: 360-37900-1

SDG No.: 360-37900

Sample No.: CCVIS 360-84762/2 Date Analyzed: 12/13/2011 15:04

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V22988.D Heated Purge: (Y/N) N

Calibration ID: 16519

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		16219	6.43	229831	6.77	174239	11.31
UPPER LIMIT		32438	6.93	459662	7.27	348478	11.81
LOWER LIMIT		8110	5.93	114916	6.27	87120	10.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-84762/3		16110	6.43	233817	6.77	177509	11.31
LCSD 360-84762/4		15751	6.43	229519	6.77	175505	11.31
MB 360-84762/6		15269	6.43	222467	6.77	167914	11.31
360-37900-2	BC-GW-MWDUP01-120111	15377	6.43	216753	6.77	162690	11.31

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.: 360-37900-1

SDG No.: 360-37900

Sample No.: CCVIS 360-84762/2 Date Analyzed: 12/13/2011 15:04

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V22988.D Heated Purge: (Y/N) N

Calibration ID: 16519

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		103187	13.77				
UPPER LIMIT		206374	14.27				
LOWER LIMIT		51594	13.27				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-84762/3		102268	13.77				
LCSD 360-84762/4		102619	13.77				
MB 360-84762/6		94677	13.77				
360-37900-2	BC-GW-MWDUP01-120111	97480	13.77				

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.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-TB-GW-120111 Lab Sample ID: 360-37900-1

Matrix: Water Lab File ID: V22931.D

Analysis Method: 8260B Date Collected: 12/01/2011 08:00

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 19:16

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.20
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.20
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
75-34-3	1,1-Dichloroethane	ND		1.0	0.20
75-35-4	1,1-Dichloroethene	ND		1.0	0.20
563-58-6	1,1-Dichloropropene	ND		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.20
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.20
78-87-5	1,2-Dichloropropane	ND		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.20
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.20
142-28-9	1,3-Dichloropropane	ND		1.0	0.20
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.20
594-20-7	2,2-Dichloropropane	ND		1.0	0.20
78-93-3	2-Butanone (MEK)	ND		10	1.3
95-49-8	2-Chlorotoluene	ND		1.0	0.20
591-78-6	2-Hexanone	ND		10	2.0
106-43-4	4-Chlorotoluene	ND		1.0	0.20
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.0
67-64-1	Acetone	ND		50	20
107-13-1	Acrylonitrile	ND		0.50	0.20
71-43-2	Benzene	ND		1.0	0.20
108-86-1	Bromobenzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.20
74-83-9	Bromomethane	ND		2.0	0.20
75-15-0	Carbon disulfide	ND	*	10	0.20
56-23-5	Carbon tetrachloride	ND	*	1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-TB-GW-120111 Lab Sample ID: 360-37900-1

Matrix: Water Lab File ID: V22931.D

Analysis Method: 8260B Date Collected: 12/01/2011 08:00

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 19:16

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		0.50	0.20
75-00-3	Chloroethane	ND		2.0	0.21
67-66-3	Chloroform	ND		1.0	0.20
74-87-3	Chloromethane	ND		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.20
74-95-3	Dibromomethane	ND		1.0	0.20
75-27-4	Dichlorobromomethane	ND		0.50	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.20
106-93-4	Ethylene Dibromide	ND		1.0	0.20
87-68-3	Hexachlorobutadiene	ND		0.40	0.20
98-82-8	Isopropylbenzene	ND		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		2.0	1.0
104-51-8	n-Butylbenzene	ND		1.0	0.20
103-65-1	N-Propylbenzene	ND		1.0	0.20
91-20-3	Naphthalene	ND		5.0	2.0
95-47-6	o-Xylene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
98-06-6	tert-Butylbenzene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		10	0.44
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.33
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		0.50	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-TB-GW-120111 Lab Sample ID: 360-37900-1

Matrix: Water Lab File ID: V22931.D

Analysis Method: 8260B Date Collected: 12/01/2011 08:00

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 19:16

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.: 84486 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane	109		70-130
2037-26-5	Toluene-d8 (Surr)	103		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22931.D
Lims ID: 360-37900-A-1 Client ID: BC-TB-GW-120111
Inject. Date: 08-Dec-2011 19:16:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37900-A-1
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 16
Lims Batch ID: 84486 Lims Sample ID: 16
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m
Last Update: 09-Dec-2011 12:18:17 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 13-Dec-2011 09:50:04

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.872					
3 Vinyl chloride	1	62		1.955					
4 Vinyl chloride (SIM)	2	62		1.960					
5 Bromomethane	1	94		2.260					
6 Chloroethane	1	64		2.385					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.566					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45		2.934					
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96		3.024					
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.073					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.385					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45		3.552					
19 Methylene Chloride	1	84		3.670					
20 Acetone	1	43	3.726	3.725	0.001	90	3824	3.86	
21 trans-1,2-Dichloroethene	1	61		3.864					
22 Methyl acetate	1	43		3.871					
23 Hexane	1	57		3.961					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.079					
26 Acetonitrile	1	40	4.281	4.281	0.0	74	199	0	
27 Isopropyl ether	1	45		4.440					
28 1,1-Dichloroethane	1	63		4.593					
29 Acrylonitrile	1	53		4.656					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1		4.749					7
33 Tert-butyl ethyl ether	1	59		4.885					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61		5.239					
35 2,2-Dichloropropane	1	77		5.371					
36 Chlorobromomethane	1	130		5.475					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83		5.565					
39 Ethyl acetate	1	43		5.718					
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.766					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	60	81213	21.7	
44 1,1,1-Trichloroethane	1	97		5.815					
45 2-Butanone (MEK)	1	43		5.940					
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.232					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.426					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	14964	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	216198	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.822					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.968					
56 Trichloroethene	1	95		6.975					
58 2,4,4-Trimethyl-2-pentene	1	55		7.037					
59 Dibromomethane	1	93		7.517					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.746					
63 Methyl methacrylate	1	69		8.004					
65 1,4-Dioxane	1	88		8.045					
64 1,4-Dioxane (SIM)	2	88		8.050					
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.095	9.102	-0.007	93	221708	20.5	
70 Toluene	1	92		9.192					
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166	9.811	9.804	0.007	48	713	0.3037	
75 4-Methyl-2-pentanone (MIBK)	1	43		9.831					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.109					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43		10.895					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43		10.992					
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	82	176686	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.381					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.104					
93 Isopropylbenzene	1	105		12.382					
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	86278	19.5	
$ 94 BFB	1	95	12.667	12.667	0.0	97	86278	0	
96 cis-1,4-Dichloro-2-butene	1	88		12.751					
97 Bromobenzene	1	77		12.764					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
101 1,3,5-Trimethylbenzene	1	105		13.015					
102 1,2,3-Trichloropropane	1	110		13.015					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119		13.327					
106 1,2,4-Trimethylbenzene	1	105		13.397					
107 sec-Butylbenzene	1	105		13.501					
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146		13.696					
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	98573	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.147					
114 1,2-Dichlorobenzene	1	146		14.175					
115 1,2-Dibromo-3-Chloropropane	1	157		14.898					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128		15.774					
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

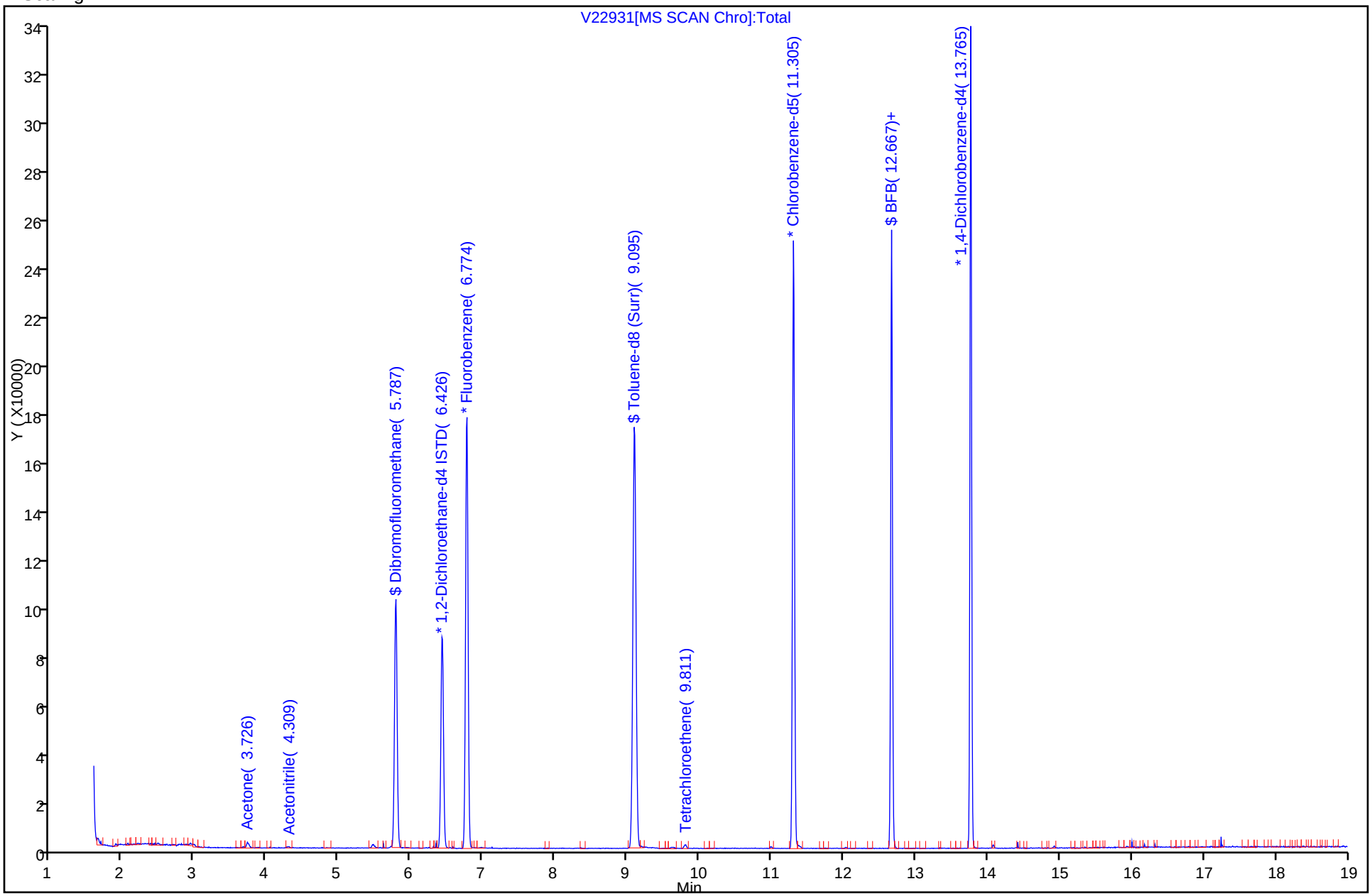
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:50:04 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22931.D

Injection Date:	08-Dec-2011 19:16:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:	BC-TB-GW-120111	Instrument ID:	Agilent#2 GC/MS
Lims Batch ID:	84486	Lims Sample ID:	16
Operator ID:	tph		

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MWDUP01-120111 Lab Sample ID: 360-37900-2

Matrix: Water Lab File ID: V22993.D

Analysis Method: 8260B Date Collected: 12/01/2011 12:00

Sample wt/vol: 5(mL) Date Analyzed: 12/13/2011 16:55

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.: 84762 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.20
71-55-6	1,1,1-Trichloroethane	17		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.20
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
75-34-3	1,1-Dichloroethane	16		1.0	0.20
75-35-4	1,1-Dichloroethene	2.4		1.0	0.20
563-58-6	1,1-Dichloropropene	ND		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.20
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.20
95-50-1	1,2-Dichlorobenzene	2.2		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.20
78-87-5	1,2-Dichloropropane	ND		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.20
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.20
142-28-9	1,3-Dichloropropane	ND		1.0	0.20
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.20
594-20-7	2,2-Dichloropropane	ND		1.0	0.20
78-93-3	2-Butanone (MEK)	ND		10	1.3
95-49-8	2-Chlorotoluene	ND		1.0	0.20
591-78-6	2-Hexanone	ND		10	2.0
106-43-4	4-Chlorotoluene	ND		1.0	0.20
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.0
67-64-1	Acetone	ND		50	20
107-13-1	Acrylonitrile	ND		0.50	0.20
71-43-2	Benzene	ND		1.0	0.20
108-86-1	Bromobenzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.20
74-83-9	Bromomethane	ND		2.0	0.20
75-15-0	Carbon disulfide	ND	*	10	0.20
56-23-5	Carbon tetrachloride	ND		1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MWDUP01-120111 | Lab Sample ID: 360-37900-2

Matrix: Water | Lab File ID: V22993.D

Analysis Method: 8260B | Date Collected: 12/01/2011 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/13/2011 16:55

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.: 84762 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		0.50	0.20
75-00-3	Chloroethane	ND		2.0	0.21
67-66-3	Chloroform	ND		1.0	0.20
74-87-3	Chloromethane	ND		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	31		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.20
74-95-3	Dibromomethane	ND		1.0	0.20
75-27-4	Dichlorobromomethane	ND		0.50	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.20
106-93-4	Ethylene Dibromide	ND		1.0	0.20
87-68-3	Hexachlorobutadiene	ND		0.40	0.20
98-82-8	Isopropylbenzene	1.4		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		2.0	1.0
104-51-8	n-Butylbenzene	ND		1.0	0.20
103-65-1	N-Propylbenzene	ND		1.0	0.20
91-20-3	Naphthalene	ND		5.0	2.0
95-47-6	o-Xylene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	5.2		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
98-06-6	tert-Butylbenzene	1.6		1.0	0.20
127-18-4	Tetrachloroethene	1.6		1.0	0.20
109-99-9	Tetrahydrofuran	ND		10	0.44
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	0.20
79-01-6	Trichloroethene	32		1.0	0.33
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	2.0		0.50	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MWDUP01-120111 Lab Sample ID: 360-37900-2

Matrix: Water Lab File ID: V22993.D

Analysis Method: 8260B Date Collected: 12/01/2011 12:00

Sample wt/vol: 5(mL) Date Analyzed: 12/13/2011 16:55

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.: 84762 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	105		70-130
1868-53-7	Dibromofluoromethane	109		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130

Report Date: 15-Dec-2011 09:18:19 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22993.D
Lims ID: 360-37900-F-2 Client ID: BC-GW-MWDUP01-120111
Inject. Date: 13-Dec-2011 16:55:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37900-F-2 RR
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 84762 Lims Sample ID: 27
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\WES2UNPR.m
Last Update: 15-Dec-2011 09:02:54 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 15-Dec-2011 09:18:19

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.886					
4 Vinyl chloride (SIM)	2	62	1.960	1.967	-0.007	0	4211	0	
3 Vinyl chloride	1	62	1.962	1.969	-0.007	60	4058	1.96	
5 Bromomethane	1	94		2.267					
6 Chloroethane	1	64		2.392					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.573					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45		2.934					
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	82	5077	2.40	
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.073					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.392					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45	3.559	3.552	0.007	21	547	0	
19 Methylene Chloride	1	84		3.670					
20 Acetone	1	43	3.733	3.725	0.008	68	1306	1.28	
21 trans-1,2-Dichloroethene	1	61	3.857	3.864	-0.007	62	1165	0.3155	
22 Methyl acetate	1	43		3.871					
23 Hexane	1	57		3.961					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.093					
26 Acetonitrile	1	40		4.288					
27 Isopropyl ether	1	45		4.447					
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	84	73608	15.9	
29 Acrylonitrile	1	53		4.663					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		31.3	
33 Tert-butyl ethyl ether	1	59		4.885					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	65	114664	31.0	
35 2,2-Dichloropropane	1	77		5.378					
36 Chlorobromomethane	1	130		5.482					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83		5.565					
39 Ethyl acetate	1	43		5.718					
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.766					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	59	82097	21.8	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	91	57530	16.7	
45 2-Butanone (MEK)	1	43		5.940					
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.225					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.419					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	15377	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	216753	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.822					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.968					
56 Trichloroethene	1	95	6.975	6.975	0.0	97	76350	32.3	
58 2,4,4-Trimethyl-2-pentene	1	55		7.038					
59 Dibromomethane	1	93		7.510					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.753					
63 Methyl methacrylate	1	69		8.004					
65 1,4-Dioxane	1	88		8.045					
64 1,4-Dioxane (SIM)	2	88	9.100	8.050	1.050	0	701	0	
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	92	212478	19.6	
70 Toluene	1	92		9.192					
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166	9.797	9.804	-0.007	68	3686	1.57	
75 4-Methyl-2-pentanone (MIBK)	1	43		9.838					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.110					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43		10.895					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43		10.992					
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	162690	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.374					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.111					
93 Isopropylbenzene	1	105	12.382	12.382	0.0	93	13660	1.42	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	85448	21.0	
$ 94 BFB	1	95	12.667	12.667	0.0	97	85448	0	
96 cis-1,4-Dichloro-2-butene	1	88	12.667	12.751	-0.084	0	2776	0	
97 Bromobenzene	1	77		12.764					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
101 1,3,5-Trimethylbenzene	1	105		13.015					
102 1,2,3-Trichloropropane	1	110		13.022					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119	13.328	13.327	0.001	72	11140	1.64	
106 1,2,4-Trimethylbenzene	1	105		13.397					
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	90	53111	5.16	
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	31	914	0.1813	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	97480	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.148					
114 1,2-Dichlorobenzene	1	146	14.169	14.168	0.001	92	11277	2.15	
115 1,2-Dibromo-3-Chloropropane	1	157		14.898					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128		15.774					
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 15-Dec-2011 09:18:19 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22993.D

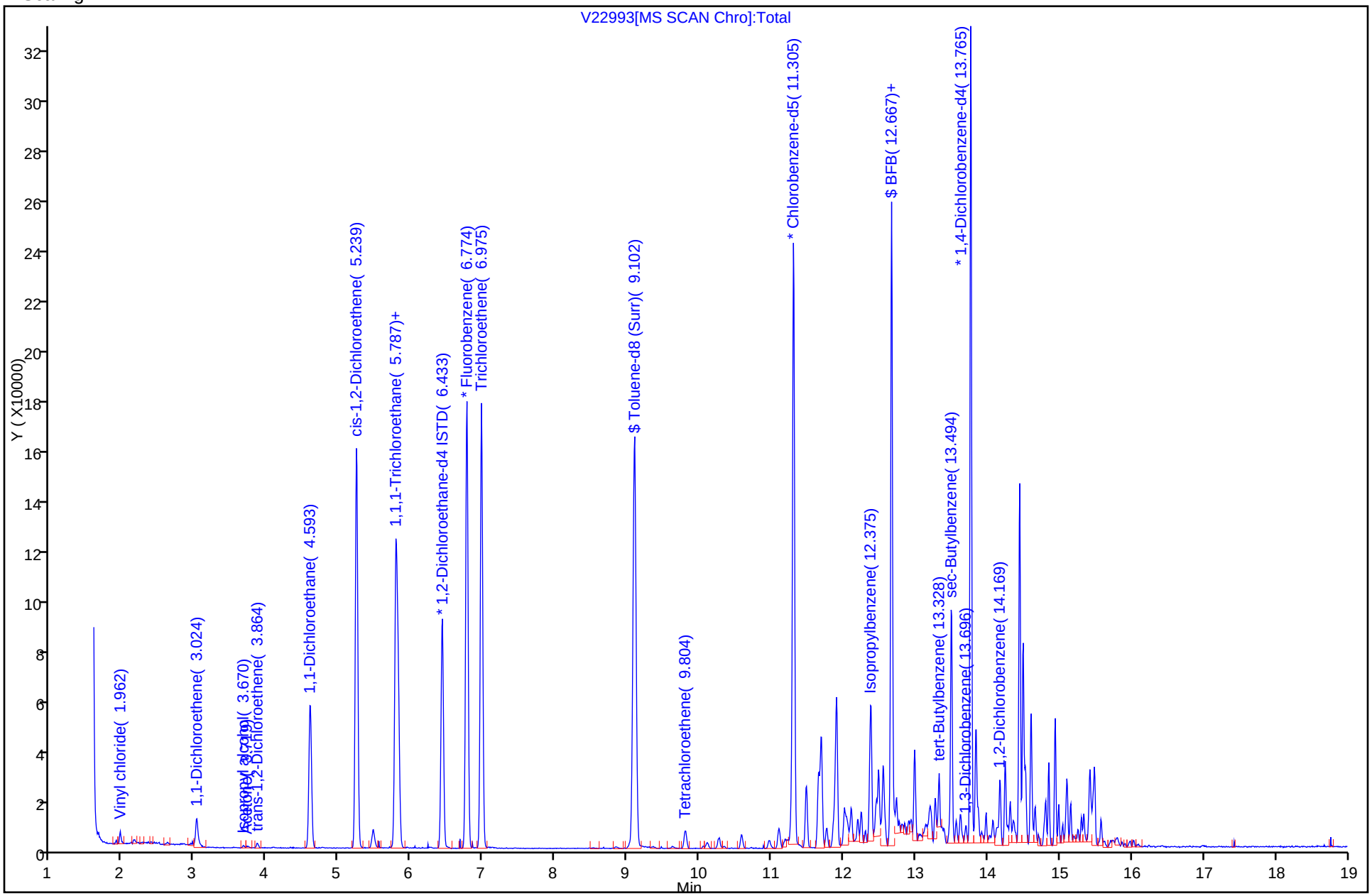
Injection Date: 13-Dec-2011 16:55:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-GW-MWDUP01-120111 Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84762 Lims Sample ID: 27

Operator ID: tph

Y Scaling:



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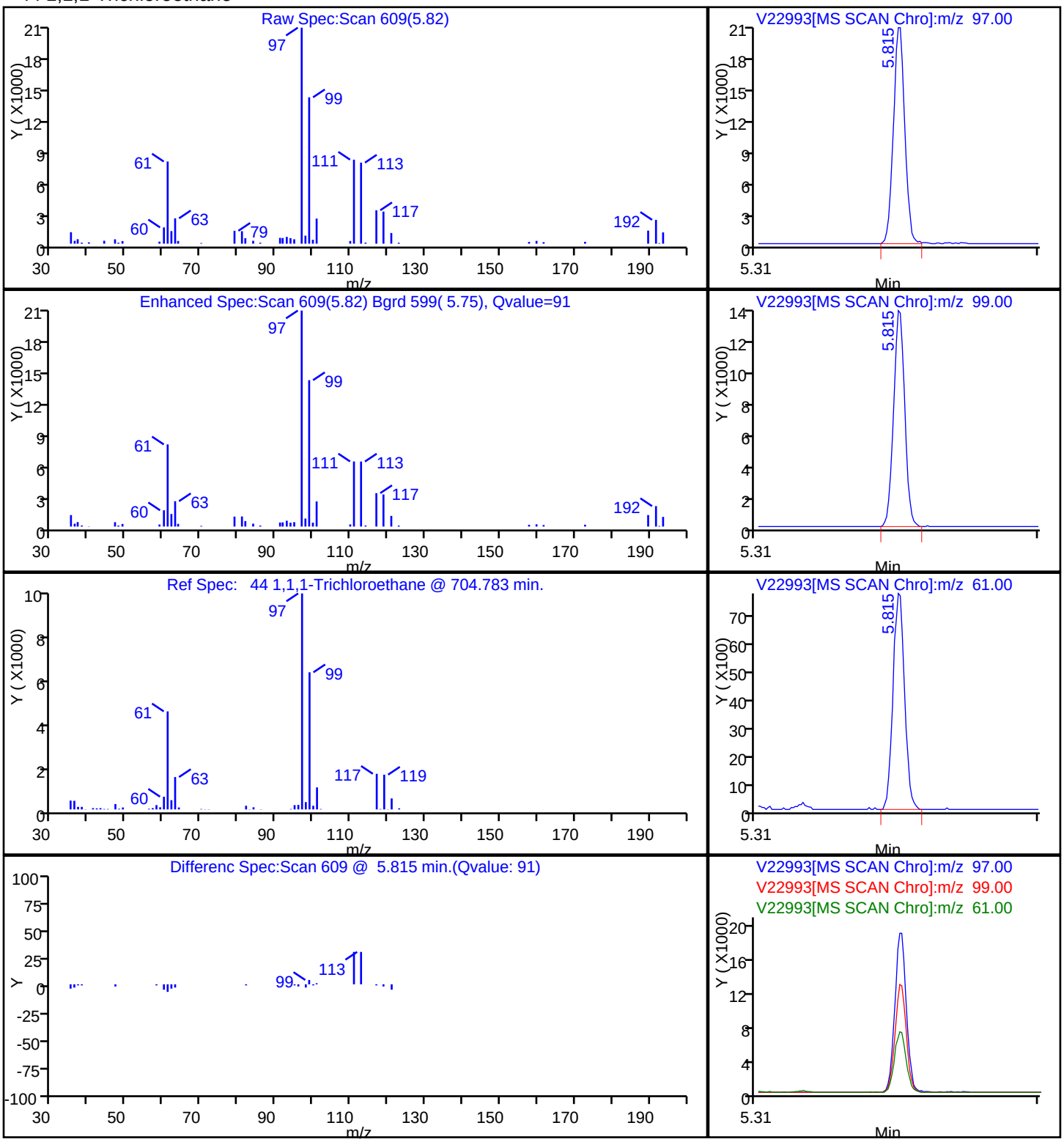
Injection Date: 13-Dec-2011 16:55:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MWDUP01-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84762 Lims Sample ID: 27
Operator ID: tph

44 1,1,1-Trichloroethane



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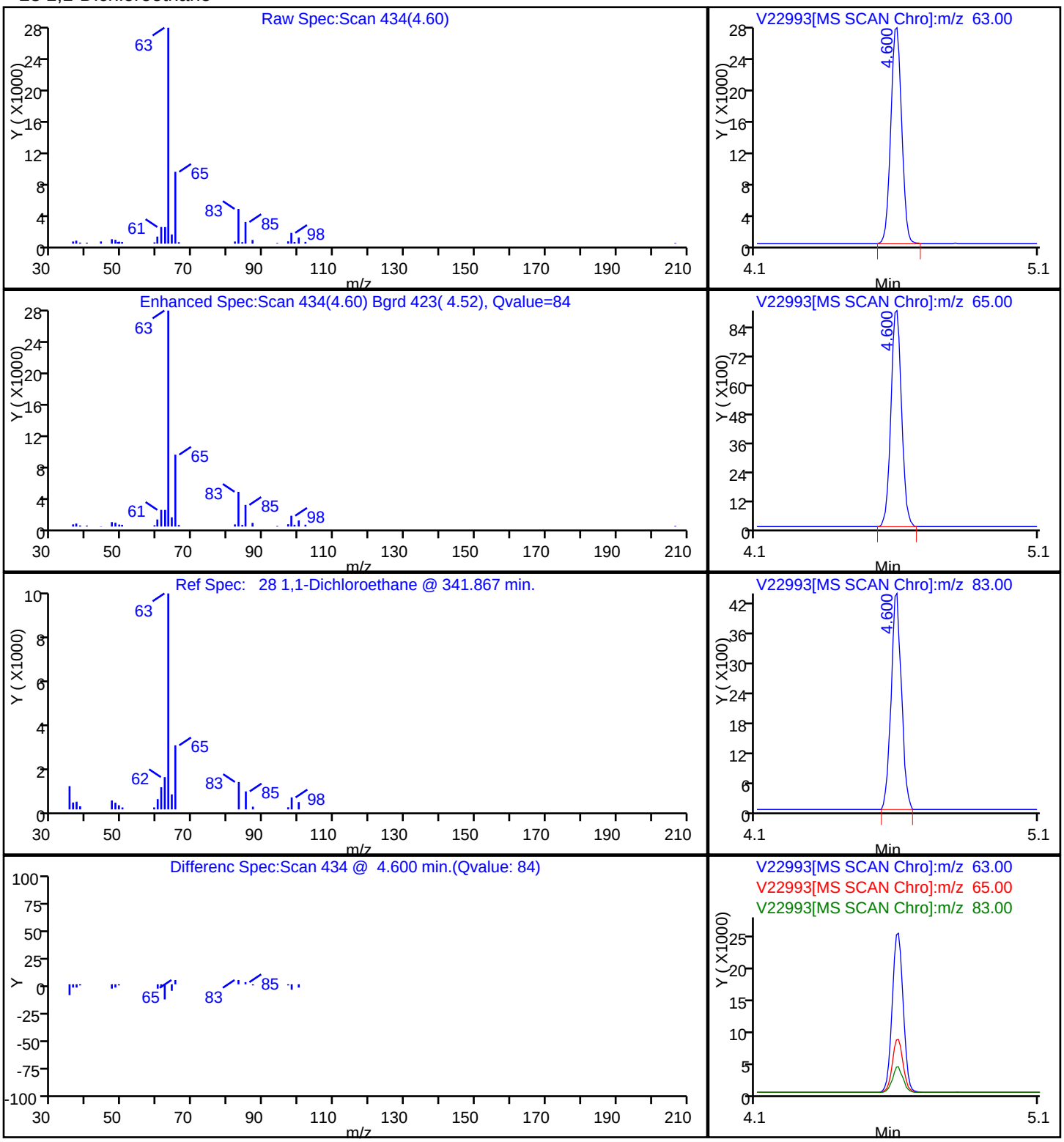
Injection Date: 13-Dec-2011 16:55:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MWDUP01-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84762 Lims Sample ID: 27
Operator ID: tph

28 1,1-Dichloroethane



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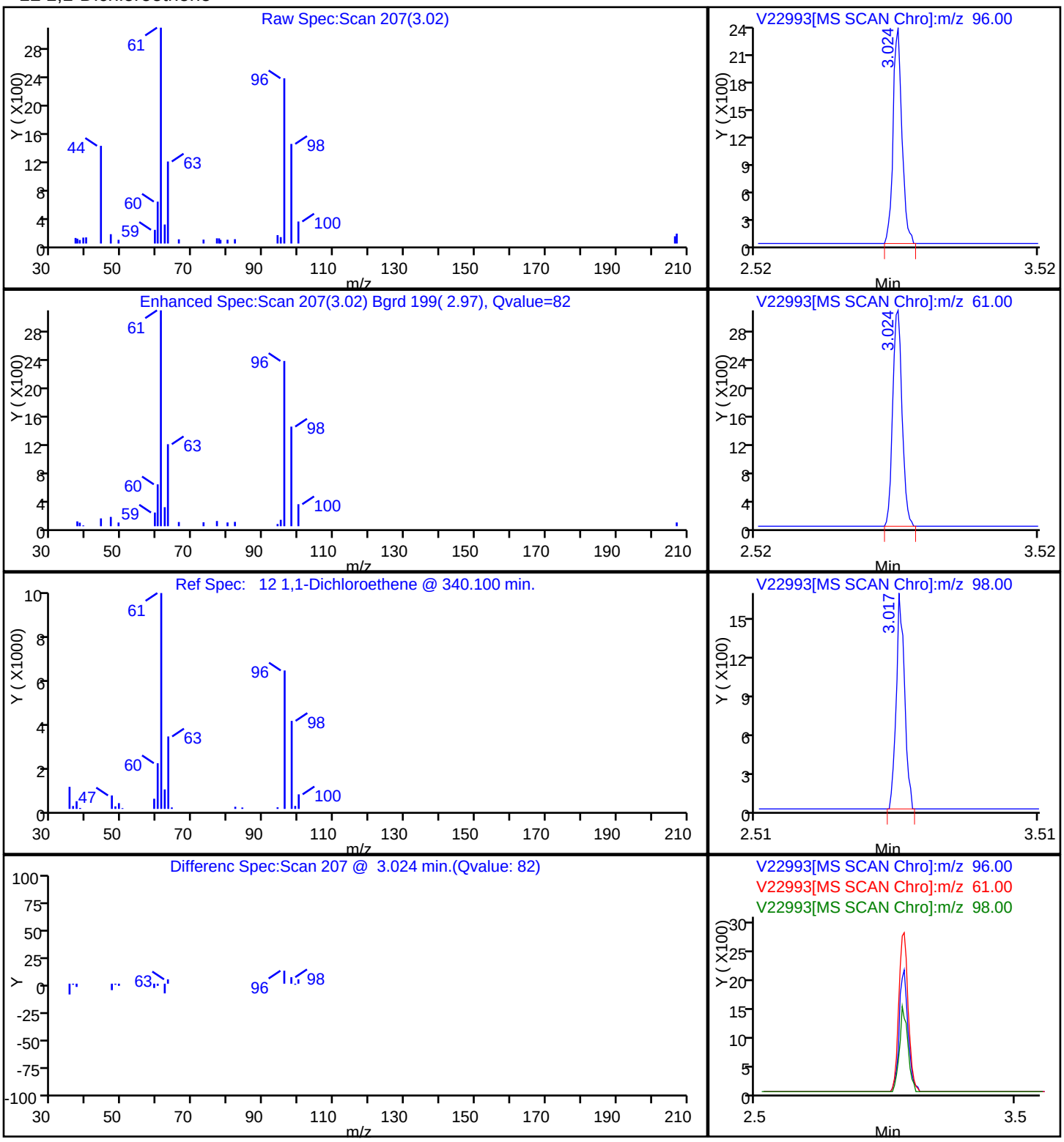
Injection Date: 13-Dec-2011 16:55:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MWDUP01-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84762 Lims Sample ID: 27
Operator ID: tph

12 1,1-Dichloroethene



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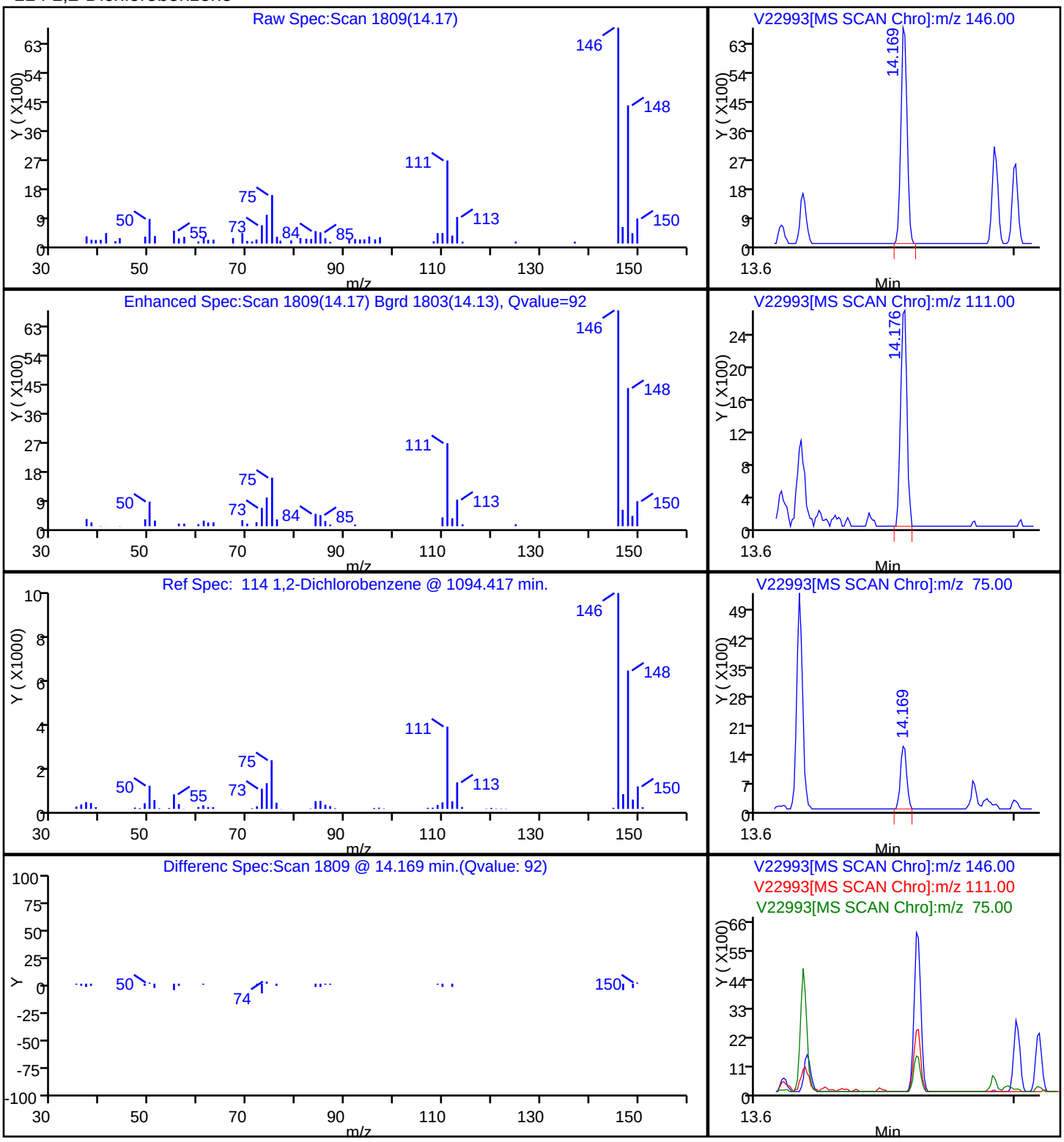
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22993.D
Injection Date: 13-Dec-2011 16:55:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MWDUP01-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84762 Lims Sample ID: 27
Operator ID: tph

114 1,2-Dichlorobenzene



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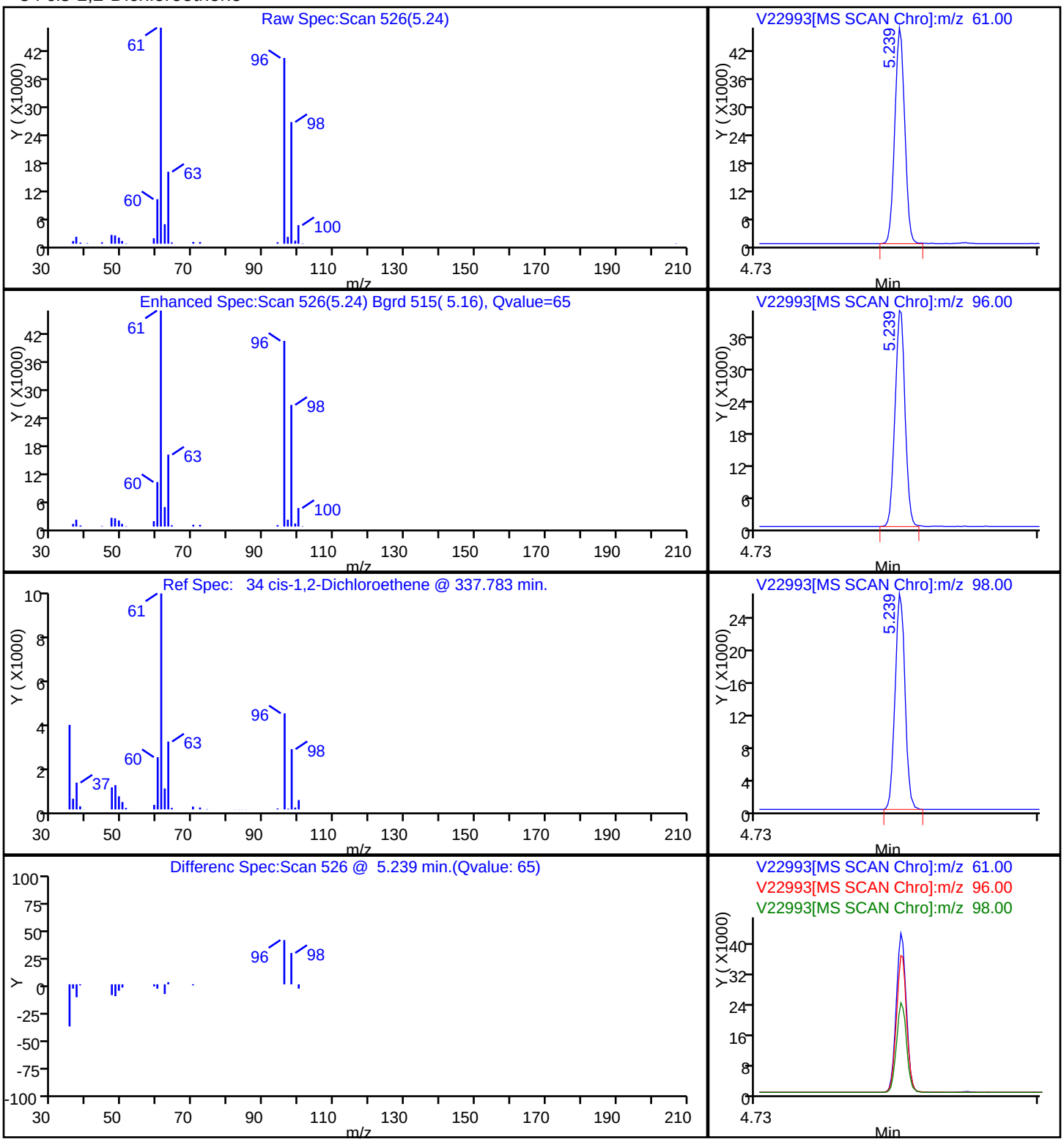
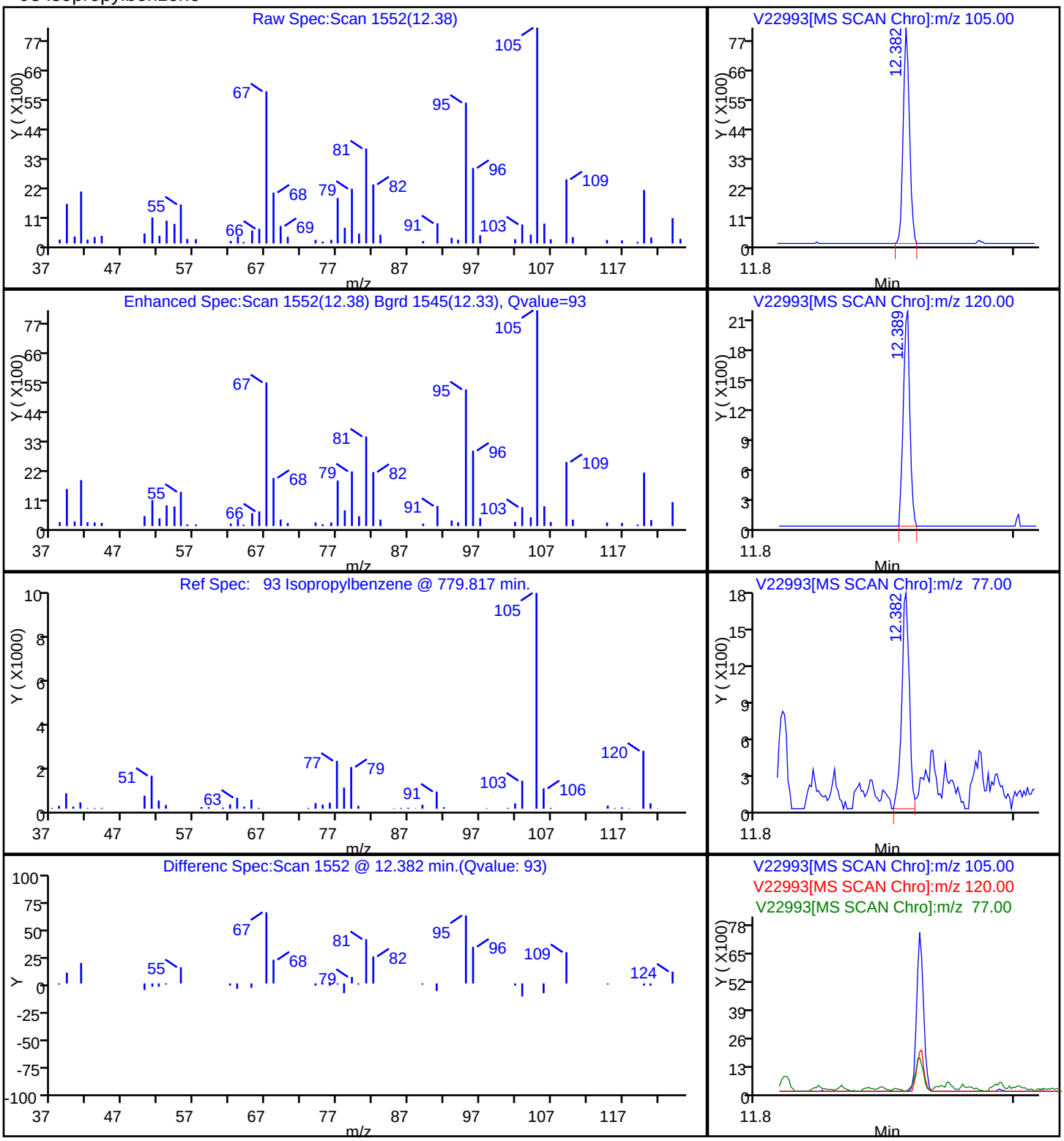
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22993.D
Injection Date: 13-Dec-2011 16:55:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MWDUP01-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84762 Lims Sample ID: 27
Operator ID: tph

34 cis-1,2-Dichloroethene



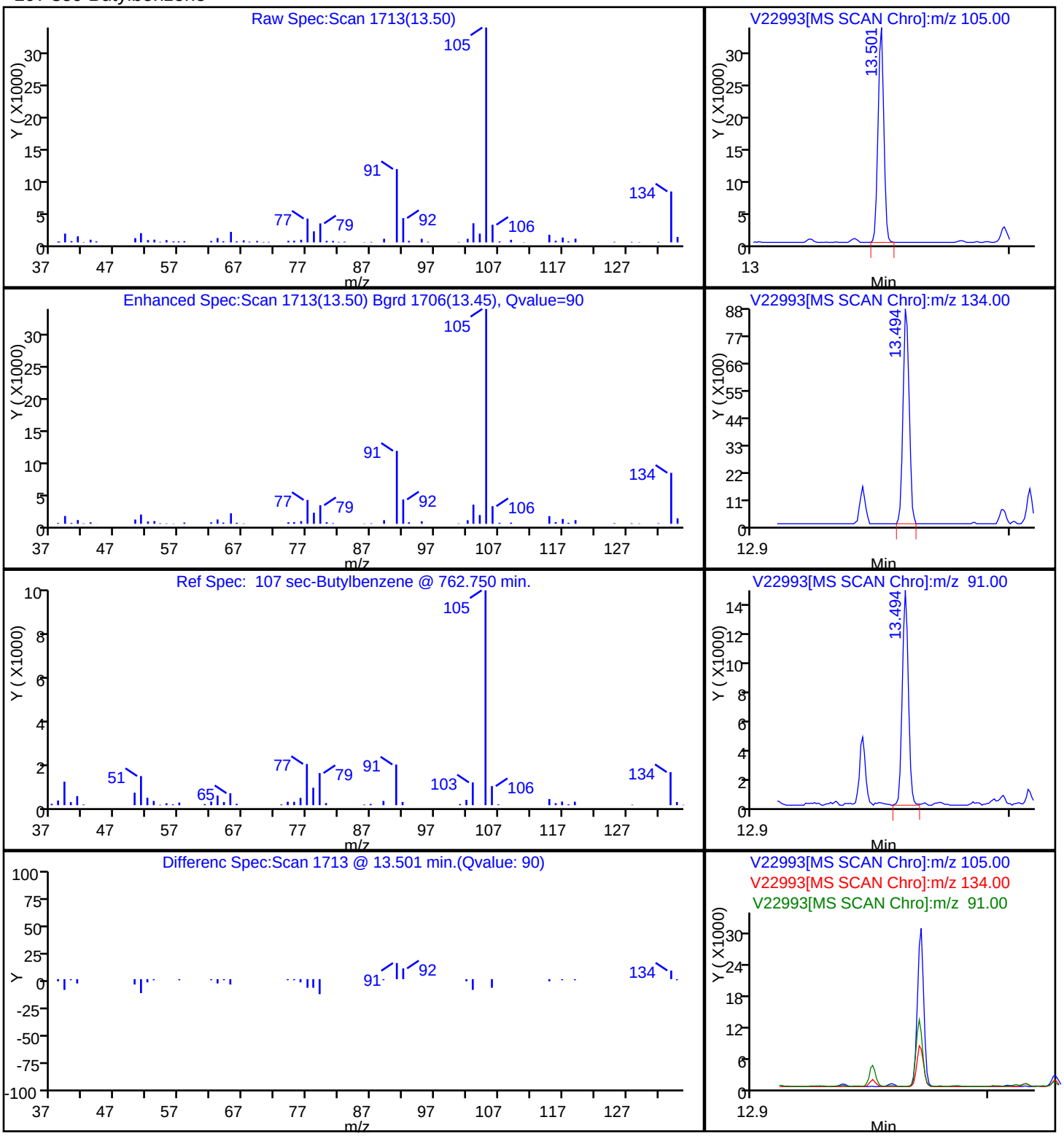
Report Date: 15-Dec-2011 09:18:20 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22993.D
Injection Date: 13-Dec-2011 16:55:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MWDUP01-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84762 Lims Sample ID: 27
Operator ID: tph

93 Isopropylbenzene



Report Date: 15-Dec-2011 09:18:20 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22993.D
Injection Date: 13-Dec-2011 16:55:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MWDUP01-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84762 Lims Sample ID: 27
Operator ID: tph

107 sec-Butylbenzene



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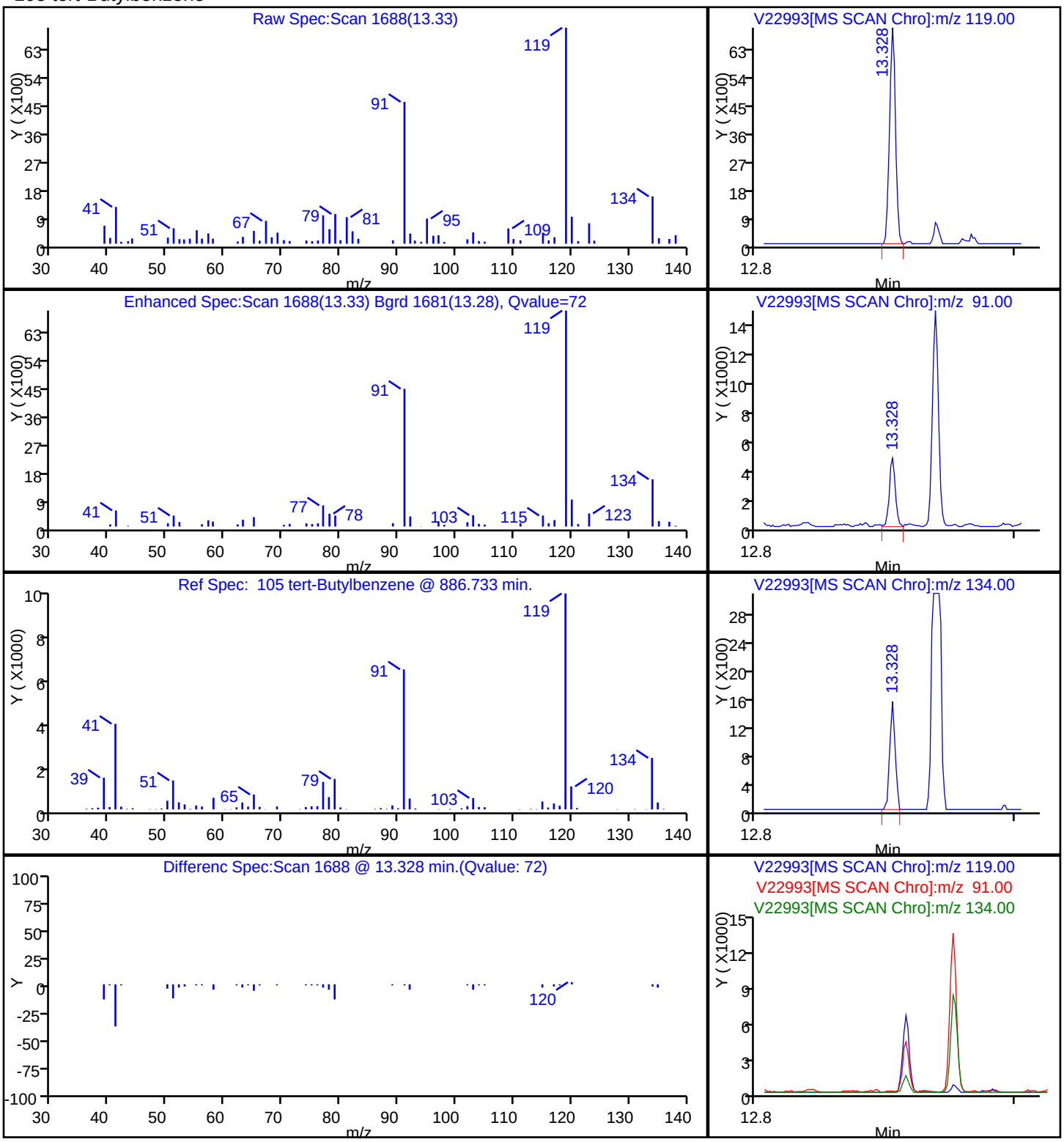
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22993.D
Injection Date: 13-Dec-2011 16:55:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MWDUP01-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84762 Lims Sample ID: 27
Operator ID: tph
105 tert-Butylbenzene



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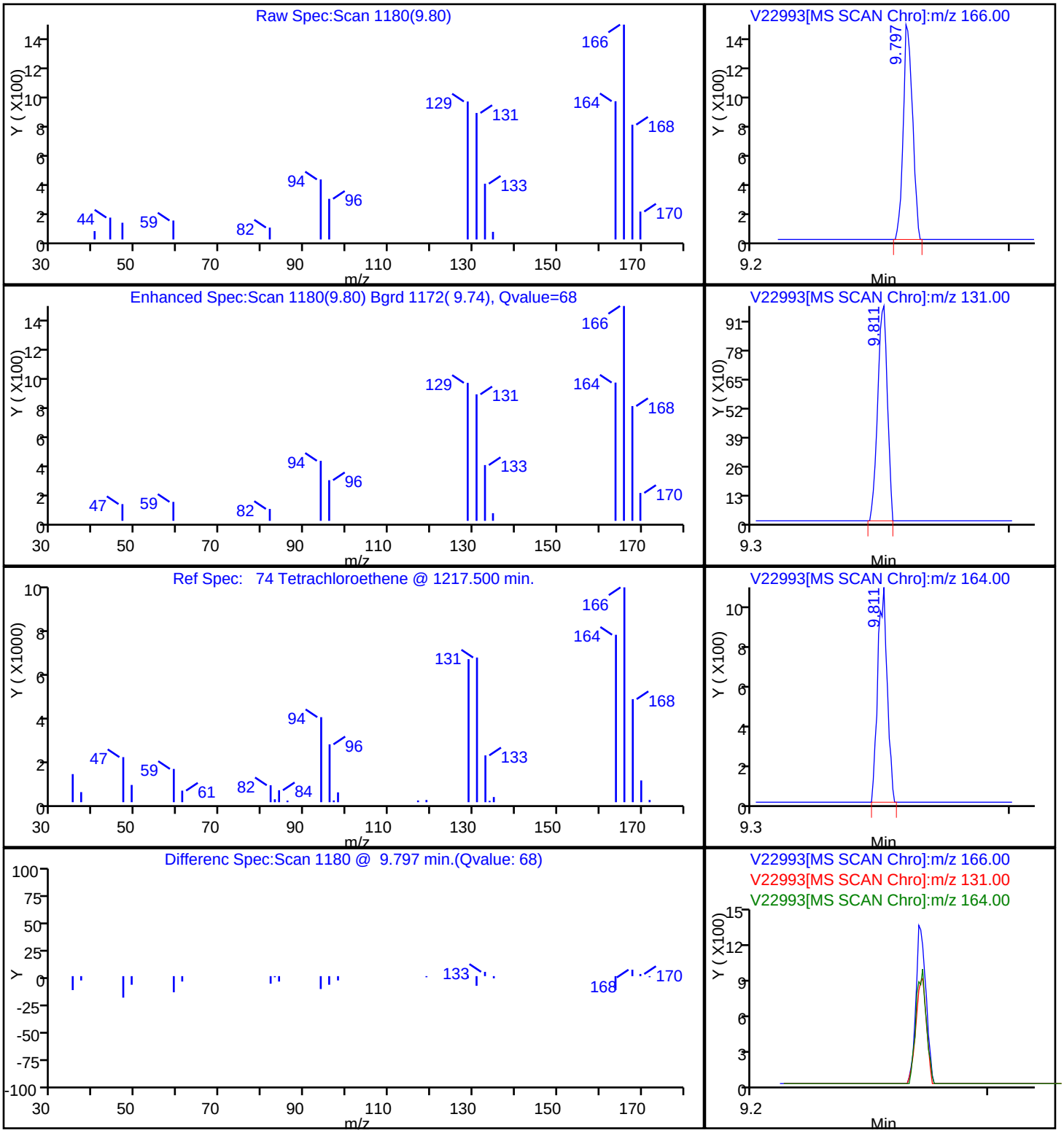
Injection Date: 13-Dec-2011 16:55:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MWDUP01-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84762 Lims Sample ID: 27
Operator ID: tph
74 Tetrachloroethene



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Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22993.D

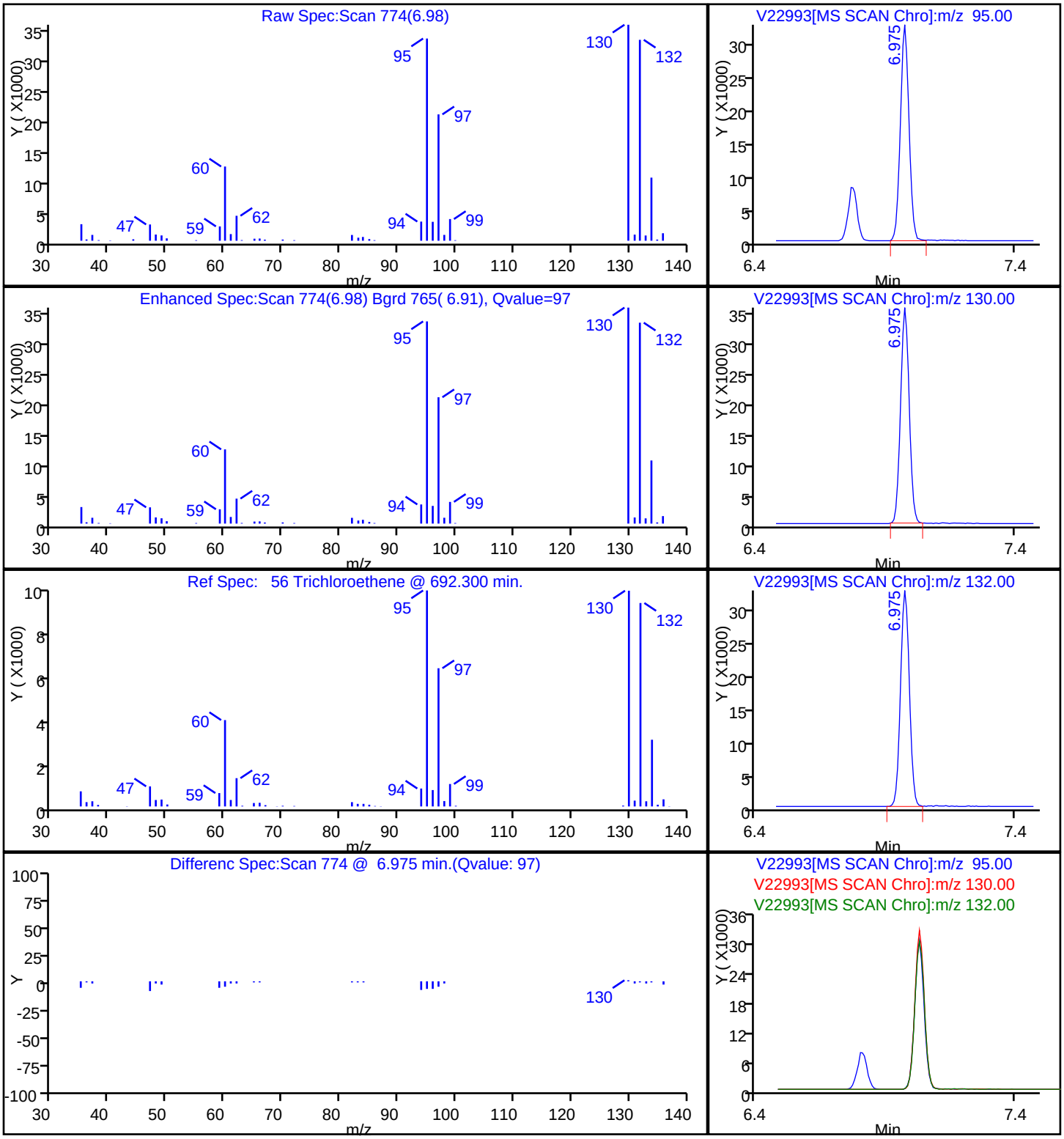
Injection Date: 13-Dec-2011 16:55:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-GW-MWDUP01-120111 Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84762 Lims Sample ID: 27

Operator ID: tph

56 Trichloroethene



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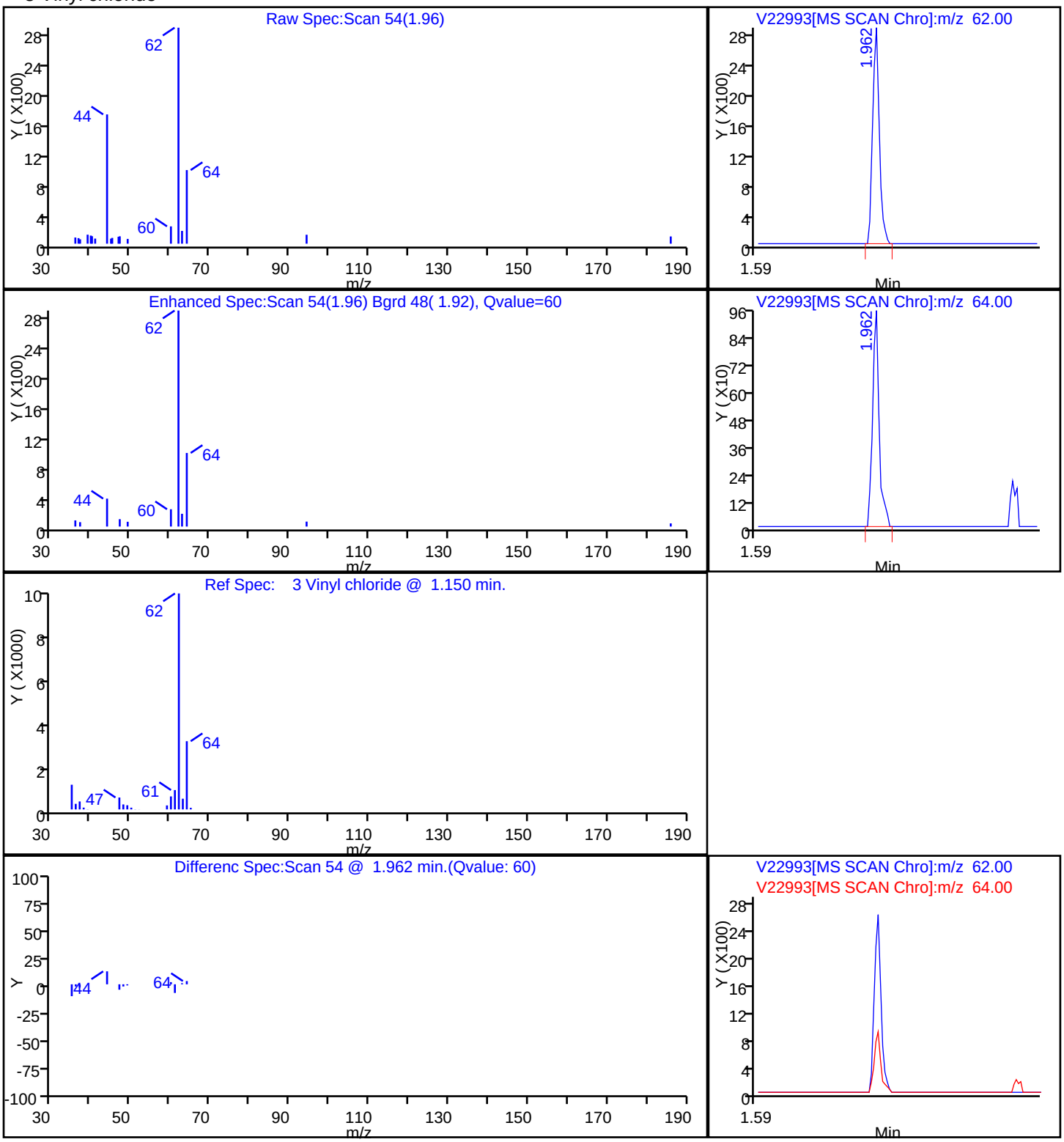
Injection Date: 13-Dec-2011 16:55:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MWDUP01-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84762 Lims Sample ID: 27
Operator ID: tph

3 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW25-120111 Lab Sample ID: 360-37900-3

Matrix: Water Lab File ID: V22933.D

Analysis Method: 8260B Date Collected: 12/01/2011 12:20

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 19:59

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.20
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.20
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
75-34-3	1,1-Dichloroethane	ND		1.0	0.20
75-35-4	1,1-Dichloroethene	ND		1.0	0.20
563-58-6	1,1-Dichloropropene	ND		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.20
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.20
78-87-5	1,2-Dichloropropane	ND		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.20
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.20
142-28-9	1,3-Dichloropropane	ND		1.0	0.20
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.20
594-20-7	2,2-Dichloropropane	ND		1.0	0.20
78-93-3	2-Butanone (MEK)	ND		10	1.3
95-49-8	2-Chlorotoluene	ND		1.0	0.20
591-78-6	2-Hexanone	ND		10	2.0
106-43-4	4-Chlorotoluene	ND		1.0	0.20
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.0
67-64-1	Acetone	ND		50	20
107-13-1	Acrylonitrile	ND		0.50	0.20
71-43-2	Benzene	ND		1.0	0.20
108-86-1	Bromobenzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.20
74-83-9	Bromomethane	ND		2.0	0.20
75-15-0	Carbon disulfide	ND	*	10	0.20
56-23-5	Carbon tetrachloride	ND	*	1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW25-120111 | Lab Sample ID: 360-37900-3

Matrix: Water | Lab File ID: V22933.D

Analysis Method: 8260B | Date Collected: 12/01/2011 12:20

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2011 19:59

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.: 84486 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		0.50	0.20
75-00-3	Chloroethane	ND		2.0	0.21
67-66-3	Chloroform	ND		1.0	0.20
74-87-3	Chloromethane	ND		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.20
74-95-3	Dibromomethane	ND		1.0	0.20
75-27-4	Dichlorobromomethane	ND		0.50	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.20
106-93-4	Ethylene Dibromide	ND		1.0	0.20
87-68-3	Hexachlorobutadiene	ND		0.40	0.20
98-82-8	Isopropylbenzene	ND		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		2.0	1.0
104-51-8	n-Butylbenzene	ND		1.0	0.20
103-65-1	N-Propylbenzene	ND		1.0	0.20
91-20-3	Naphthalene	ND		5.0	2.0
95-47-6	o-Xylene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
98-06-6	tert-Butylbenzene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		10	0.44
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.33
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		0.50	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW25-120111 Lab Sample ID: 360-37900-3

Matrix: Water Lab File ID: V22933.D

Analysis Method: 8260B Date Collected: 12/01/2011 12:20

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 19:59

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.: 84486 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	96		70-130
1868-53-7	Dibromofluoromethane	108		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22933.D		
Lims ID:	360-37900-E-3	Client ID:	BC-GW-MW25-120111
Inject. Date:	08-Dec-2011 19:59:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-E-3		
Misc. Info.:			
Operator:	tph	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	84486	Lims Sample ID:	18
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		
Method:	\\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m		
Last Update:	09-Dec-2011 12:18:17	Calib Date:	29-Nov-2011 22:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		

First Level Reviewer: hartmannt Date: 13-Dec-2011 09:52:28

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.872					
3 Vinyl chloride	1	62		1.955					
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	32	0	
5 Bromomethane	1	94		2.260					
6 Chloroethane	1	64		2.385					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.566					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45		2.934					
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96		3.024					
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.073					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.385					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45		3.552					
19 Methylene Chloride	1	84		3.670					
20 Acetone	1	43	3.725	3.725	0.0	52	524	0.5397	
21 trans-1,2-Dichloroethene	1	61		3.864					
22 Methyl acetate	1	43		3.871					
23 Hexane	1	57		3.961					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.079					
26 Acetonitrile	1	40		4.281					
27 Isopropyl ether	1	45		4.440					
28 1,1-Dichloroethane	1	63		4.593					
29 Acrylonitrile	1	53		4.656					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1		4.749					7
33 Tert-butyl ethyl ether	1	59		4.885					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61		5.239					
35 2,2-Dichloropropane	1	77		5.371					
36 Chlorobromomethane	1	130		5.475					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83		5.565					
39 Ethyl acetate	1	43	5.718	5.718	0.0	57	1076	0	
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.766					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	58	81183	21.6	
44 1,1,1-Trichloroethane	1	97		5.815					
45 2-Butanone (MEK)	1	43		5.940					
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.232					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.426					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	14660	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	216936	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.822					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.968					
56 Trichloroethene	1	95		6.975					
58 2,4,4-Trimethyl-2-pentene	1	55		7.037					
59 Dibromomethane	1	93		7.517					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.746					
63 Methyl methacrylate	1	69		8.004					
65 1,4-Dioxane	1	88		8.045					
64 1,4-Dioxane (SIM)	2	88		8.050					
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	92	220062	20.3	
70 Toluene	1	92		9.192					
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166		9.804					
75 4-Methyl-2-pentanone (MIBK)	1	43		9.831					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.109					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43		10.895					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43		10.992					
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	172816	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.381					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.104					
93 Isopropylbenzene	1	105		12.382					
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	83081	19.2	
$ 94 BFB	1	95	12.667	12.667	0.0	97	83081	0	
96 cis-1,4-Dichloro-2-butene	1	88		12.751					
97 Bromobenzene	1	77		12.764					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
101 1,3,5-Trimethylbenzene	1	105		13.015					
102 1,2,3-Trichloropropane	1	110		13.015					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119		13.327					
106 1,2,4-Trimethylbenzene	1	105		13.397					
107 sec-Butylbenzene	1	105		13.501					
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146		13.696					
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	96425	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.147					
114 1,2-Dichlorobenzene	1	146		14.175					
115 1,2-Dibromo-3-Chloropropane	1	157		14.898					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128		15.774					
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:52:28 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22933.D

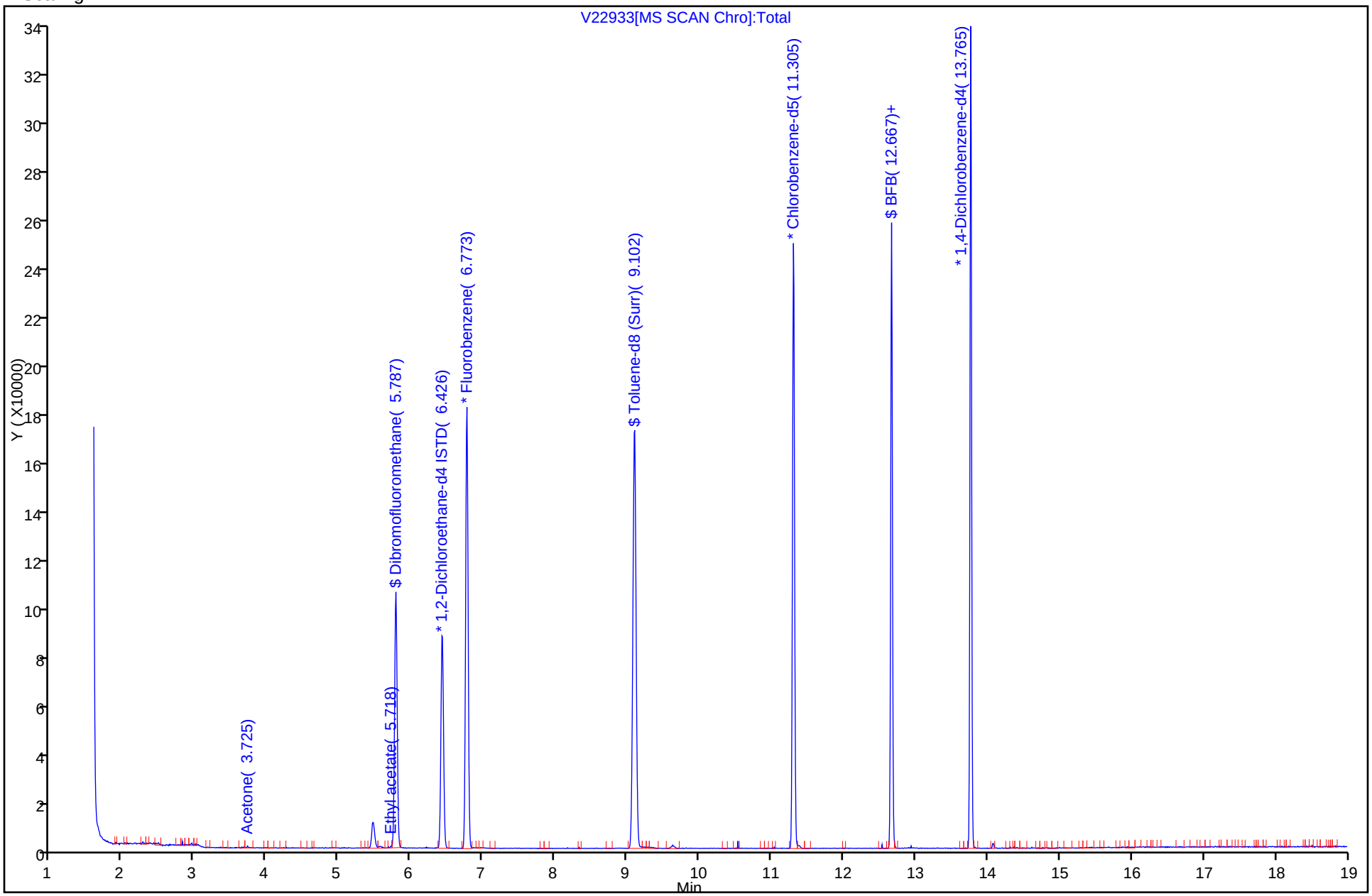
Injection Date: 08-Dec-2011 19:59:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-GW-MW25-120111 Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84486 Lims Sample ID: 18

Operator ID: tph

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 Lab Sample ID: 360-37900-4

Matrix: Water Lab File ID: V22934.D

Analysis Method: 8260B Date Collected: 12/01/2011 10:45

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 20:21

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.20
71-55-6	1,1,1-Trichloroethane	20		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.20
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
75-34-3	1,1-Dichloroethane	19		1.0	0.20
75-35-4	1,1-Dichloroethene	2.7		1.0	0.20
563-58-6	1,1-Dichloropropene	ND		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.20
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.20
95-50-1	1,2-Dichlorobenzene	2.4		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.20
78-87-5	1,2-Dichloropropane	ND		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.20
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.20
142-28-9	1,3-Dichloropropane	ND		1.0	0.20
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.20
594-20-7	2,2-Dichloropropane	ND		1.0	0.20
78-93-3	2-Butanone (MEK)	ND		10	1.3
95-49-8	2-Chlorotoluene	ND		1.0	0.20
591-78-6	2-Hexanone	ND		10	2.0
106-43-4	4-Chlorotoluene	ND		1.0	0.20
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.0
67-64-1	Acetone	ND		50	20
107-13-1	Acrylonitrile	ND		0.50	0.20
71-43-2	Benzene	ND		1.0	0.20
108-86-1	Bromobenzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.20
74-83-9	Bromomethane	ND		2.0	0.20
75-15-0	Carbon disulfide	ND	*	10	0.20
56-23-5	Carbon tetrachloride	ND	*	1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 Lab Sample ID: 360-37900-4

Matrix: Water Lab File ID: V22934.D

Analysis Method: 8260B Date Collected: 12/01/2011 10:45

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 20:21

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		0.50	0.20
75-00-3	Chloroethane	ND		2.0	0.21
67-66-3	Chloroform	ND		1.0	0.20
74-87-3	Chloromethane	ND		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	36		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.20
74-95-3	Dibromomethane	ND		1.0	0.20
75-27-4	Dichlorobromomethane	ND		0.50	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.20
106-93-4	Ethylene Dibromide	ND		1.0	0.20
87-68-3	Hexachlorobutadiene	ND		0.40	0.20
98-82-8	Isopropylbenzene	1.6		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		2.0	1.0
104-51-8	n-Butylbenzene	ND		1.0	0.20
103-65-1	N-Propylbenzene	ND		1.0	0.20
91-20-3	Naphthalene	ND		5.0	2.0
95-47-6	o-Xylene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	6.0		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
98-06-6	tert-Butylbenzene	1.9		1.0	0.20
127-18-4	Tetrachloroethene	1.9		1.0	0.20
109-99-9	Tetrahydrofuran	ND		10	0.44
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	0.20
79-01-6	Trichloroethene	38		1.0	0.33
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	2.3		0.50	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 Lab Sample ID: 360-37900-4

Matrix: Water Lab File ID: V22934.D

Analysis Method: 8260B Date Collected: 12/01/2011 10:45

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 20:21

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.: 84486 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	106		70-130
1868-53-7	Dibromofluoromethane	110		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22934.D		
Lims ID:	360-37900-E-4	Client ID:	BC-GW-MW06-120111
Inject. Date:	08-Dec-2011 20:21:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-E-4		
Misc. Info.:			
Operator:	tph	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	84486	Lims Sample ID:	19
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		
Method:	\\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m		
Last Update:	09-Dec-2011 12:18:17	Calib Date:	29-Nov-2011 22:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		

First Level Reviewer: hartmannt Date: 13-Dec-2011 09:54:44

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.872					
3 Vinyl chloride	1	62	1.962	1.955	0.007	77	4684	2.31	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	4846	0	
5 Bromomethane	1	94		2.260					
6 Chloroethane	1	64		2.385					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.566					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45		2.934					
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96	3.031	3.024	0.007	81	5622	2.72	
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.073					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.385					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45		3.552					
19 Methylene Chloride	1	84		3.670					
20 Acetone	1	43	3.733	3.725	0.008	67	1209	1.22	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	55	1237	0.3427	
22 Methyl acetate	1	43		3.871					
23 Hexane	1	57		3.961					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.079					
26 Acetonitrile	1	40		4.281					
27 Isopropyl ether	1	45		4.440					
28 1,1-Dichloroethane	1	63	4.600	4.593	0.007	84	84970	18.8	
29 Acrylonitrile	1	53		4.656					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		36.5	
33 Tert-butyl ethyl ether	1	59		4.885					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	65	130899	36.2	
35 2,2-Dichloropropane	1	77		5.371					
36 Chlorobromomethane	1	130		5.475					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83		5.565					
39 Ethyl acetate	1	43	5.718	5.718	0.0	61	993	0	
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.766					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	56	80422	21.9	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	85	66112	19.7	
45 2-Butanone (MEK)	1	43		5.940					
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.232					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.426					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	14937	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	211899	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.822					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.968					
56 Trichloroethene	1	95	6.975	6.975	0.0	96	87957	38.1	
58 2,4,4-Trimethyl-2-pentene	1	55		7.037					
59 Dibromomethane	1	93		7.517					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.746					
63 Methyl methacrylate	1	69		8.004					
65 1,4-Dioxane	1	88		8.045					
64 1,4-Dioxane (SIM)	2	88		8.050					
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	92	214581	20.3	
70 Toluene	1	92		9.192					
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166	9.804	9.804	0.0	76	4301	1.87	
75 4-Methyl-2-pentanone (MIBK)	1	43		9.831					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.109					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43		10.895					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43		10.992					
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	81	170535	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.381					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.104					
93 Isopropylbenzene	1	105	12.382	12.382	0.0	94	16573	1.64	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	90435	21.2	
$ 94 BFB	1	95	12.667	12.667	0.0	97	90435	0	
96 cis-1,4-Dichloro-2-butene	1	88	12.667	12.751	-0.083	0	3047	0	
97 Bromobenzene	1	77		12.764					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
101 1,3,5-Trimethylbenzene	1	105		13.015					
102 1,2,3-Trichloropropane	1	110		13.015					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119	13.328	13.327	0.001	72	13173	1.85	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	24	926	0.1061	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	91	64270	5.95	
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146	13.703	13.703	0.007	18	844	0.1597	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	100138	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.147					
114 1,2-Dichlorobenzene	1	146	14.169	14.175	-0.006	88	13130	2.44	
115 1,2-Dibromo-3-Chloropropane	1	157		14.898					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128		15.774					
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:54:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22934.D

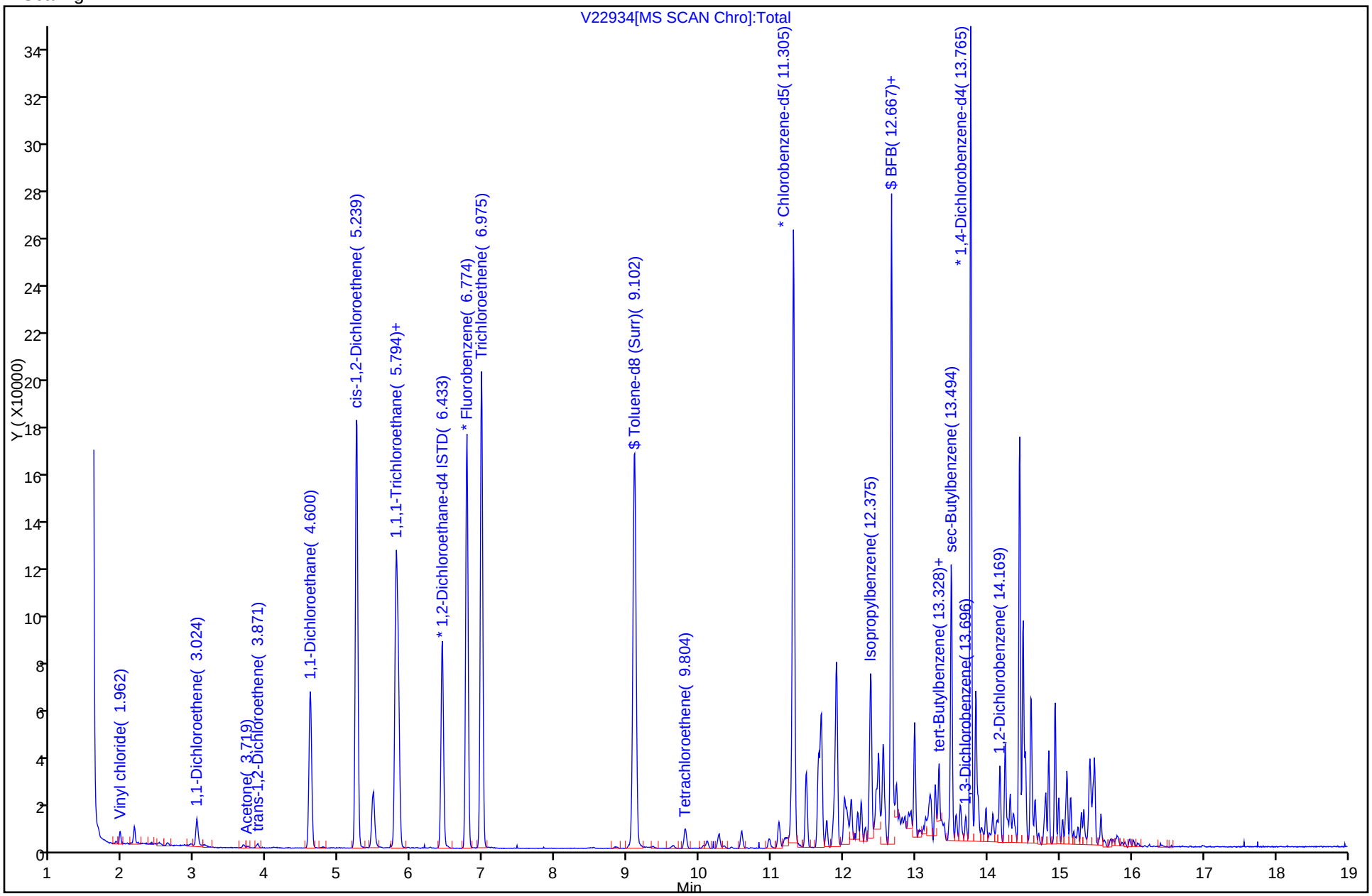
Injection Date: 08-Dec-2011 20:21:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-GW-MW06-120111 Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84486 Lims Sample ID: 19

Operator ID: tph

Y Scaling:



Report Date: 13-Dec-2011 09:54:45 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22934.D

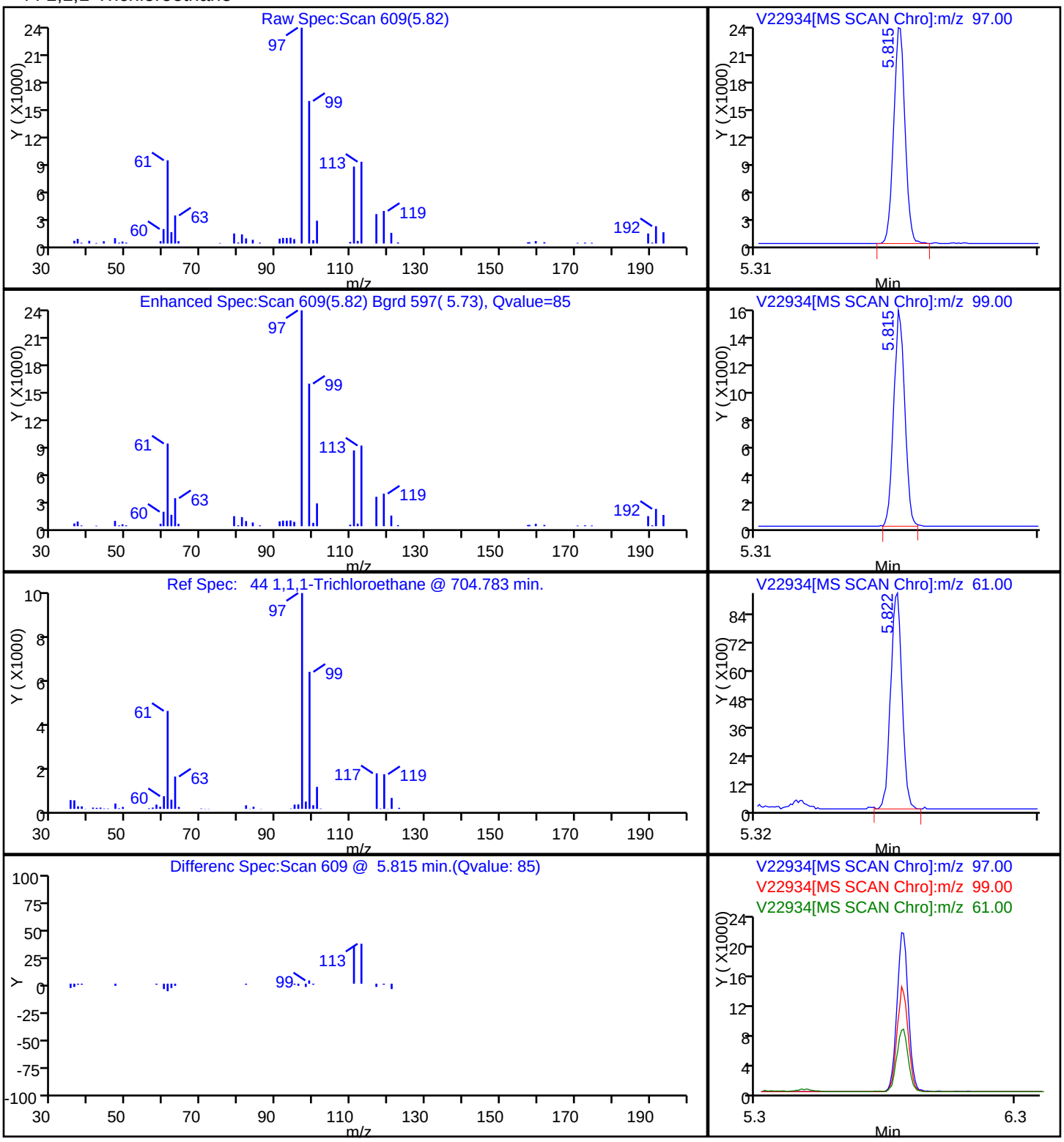
Injection Date: 08-Dec-2011 20:21:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-GW-MW06-120111 Instrument ID: Agilent#2 GC/MS

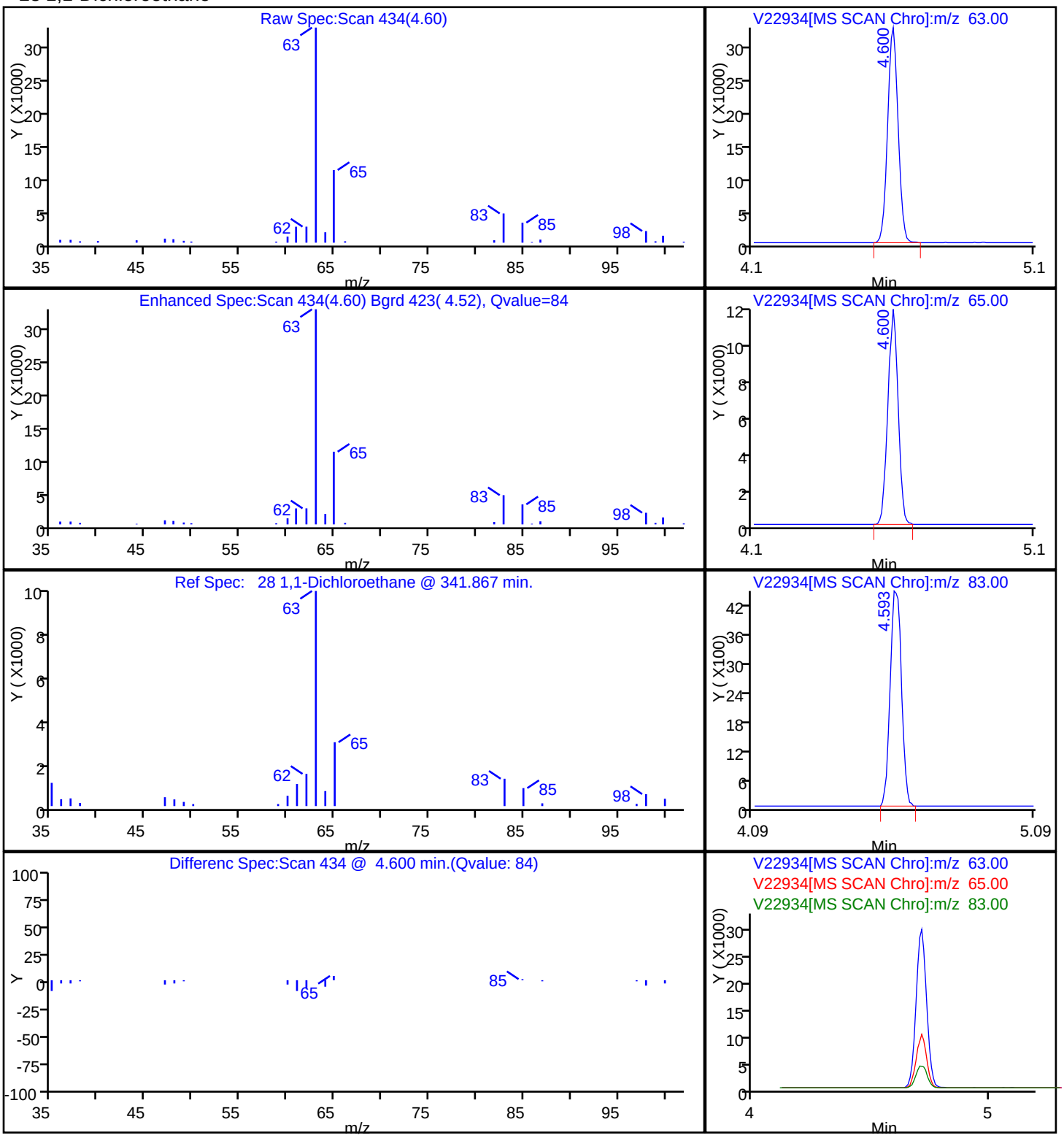
Lims Batch ID: 84486 Lims Sample ID: 19

Operator ID: tph

44 1,1,1-Trichloroethane

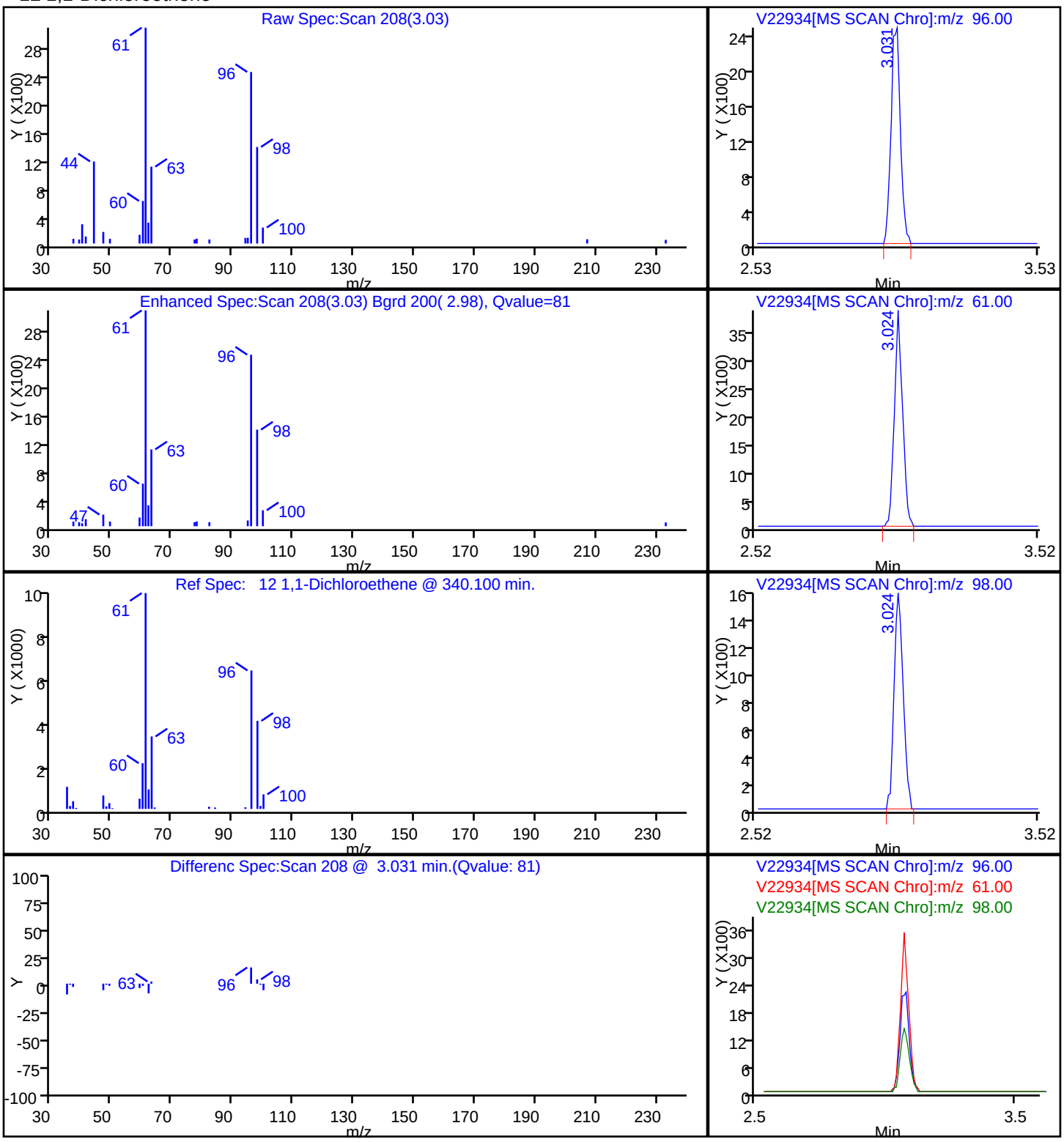


Report Date: 13-Dec-2011 09:54:45 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22934.D
Injection Date: 08-Dec-2011 20:21:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW06-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 19
Operator ID: tph
28 1,1-Dichloroethane



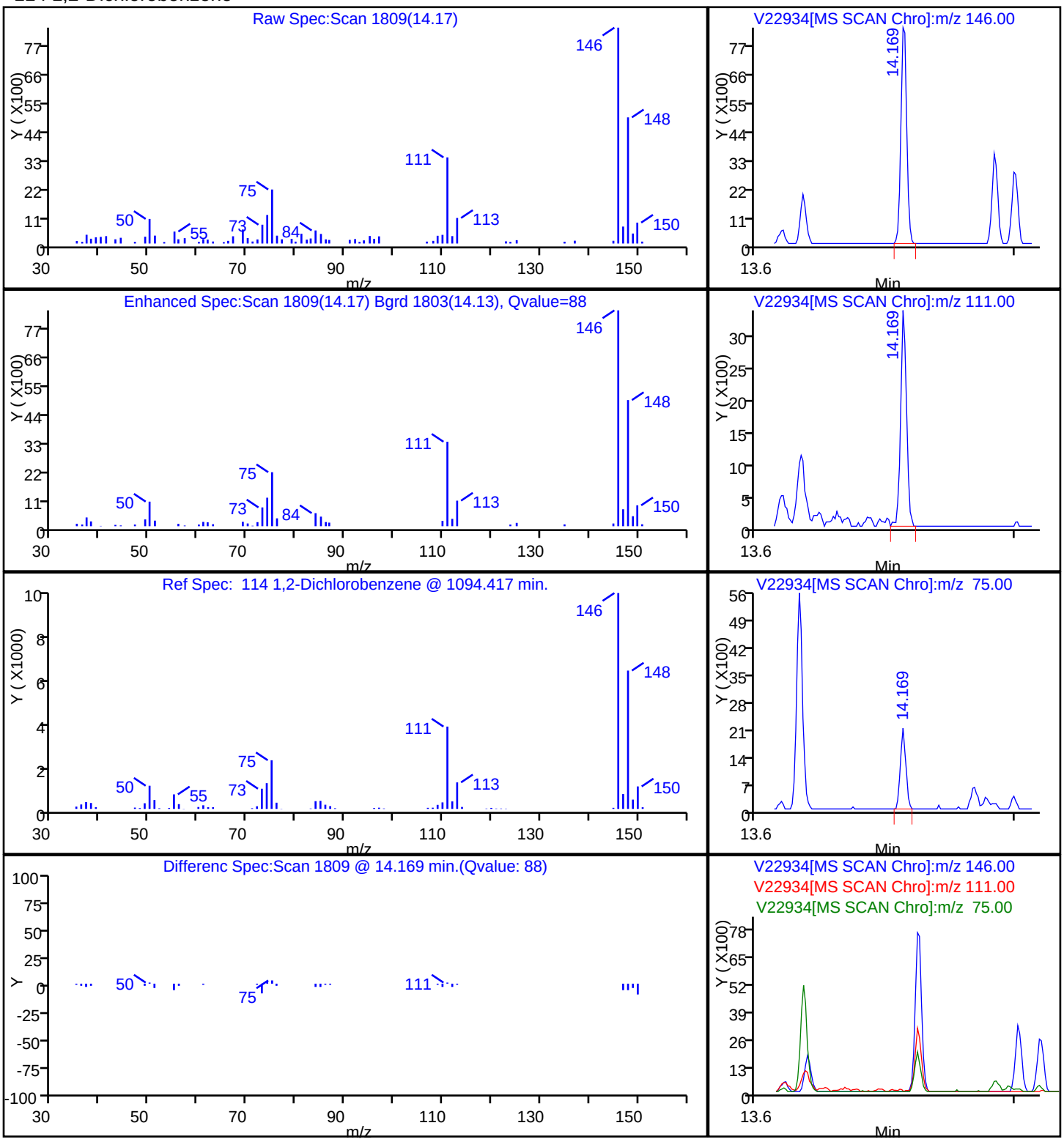
Report Date: 13-Dec-2011 09:54:45 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22934.D
Injection Date: 08-Dec-2011 20:21:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW06-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 19
Operator ID: tph

12 1,1-Dichloroethene



Report Date: 13-Dec-2011 09:54:45 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22934.D
Injection Date: 08-Dec-2011 20:21:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW06-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 19
Operator ID: tph

114 1,2-Dichlorobenzene



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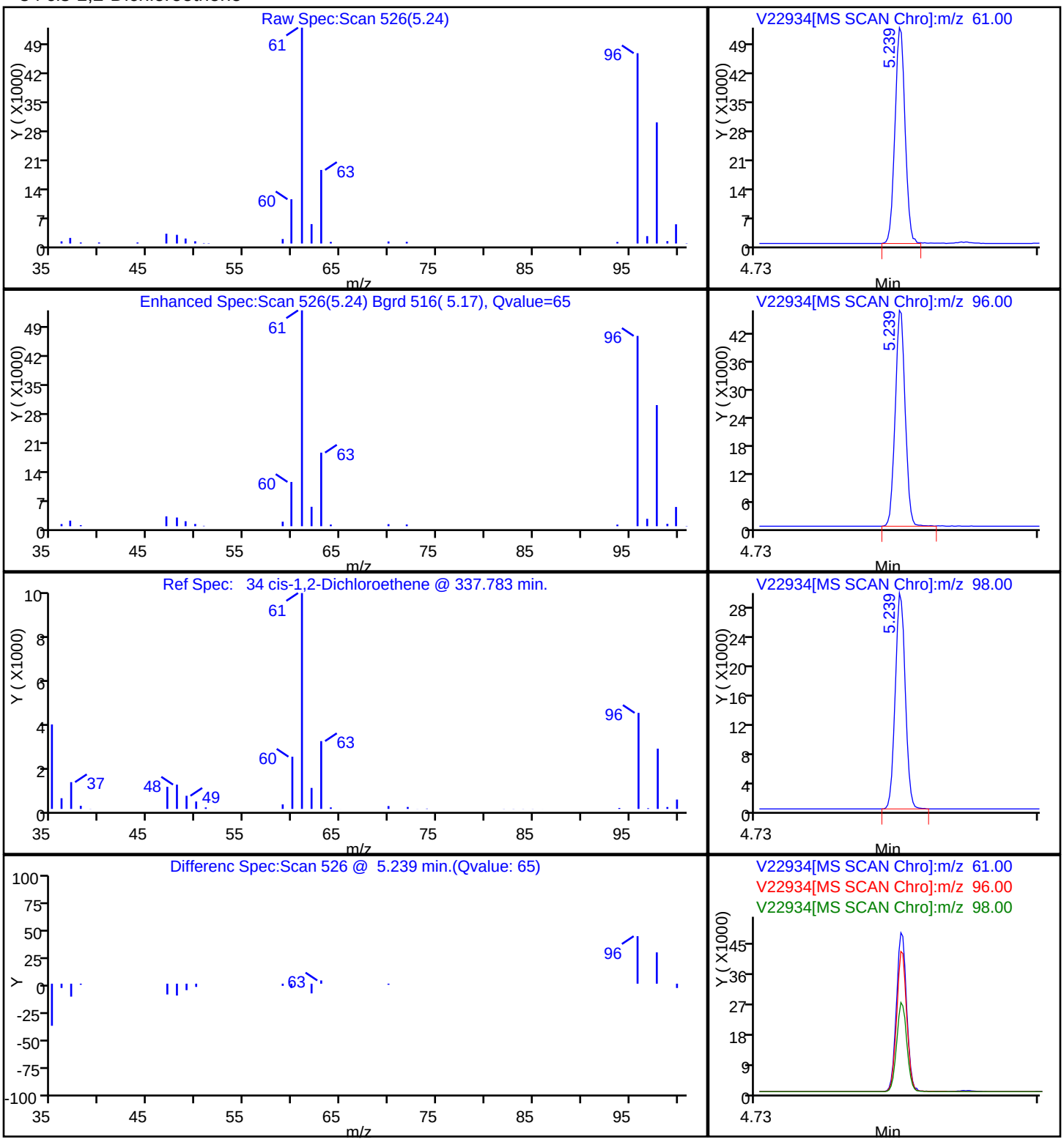
Injection Date: 08-Dec-2011 20:21:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW06-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 19
Operator ID: tph

34 cis-1,2-Dichloroethene



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Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22934.D

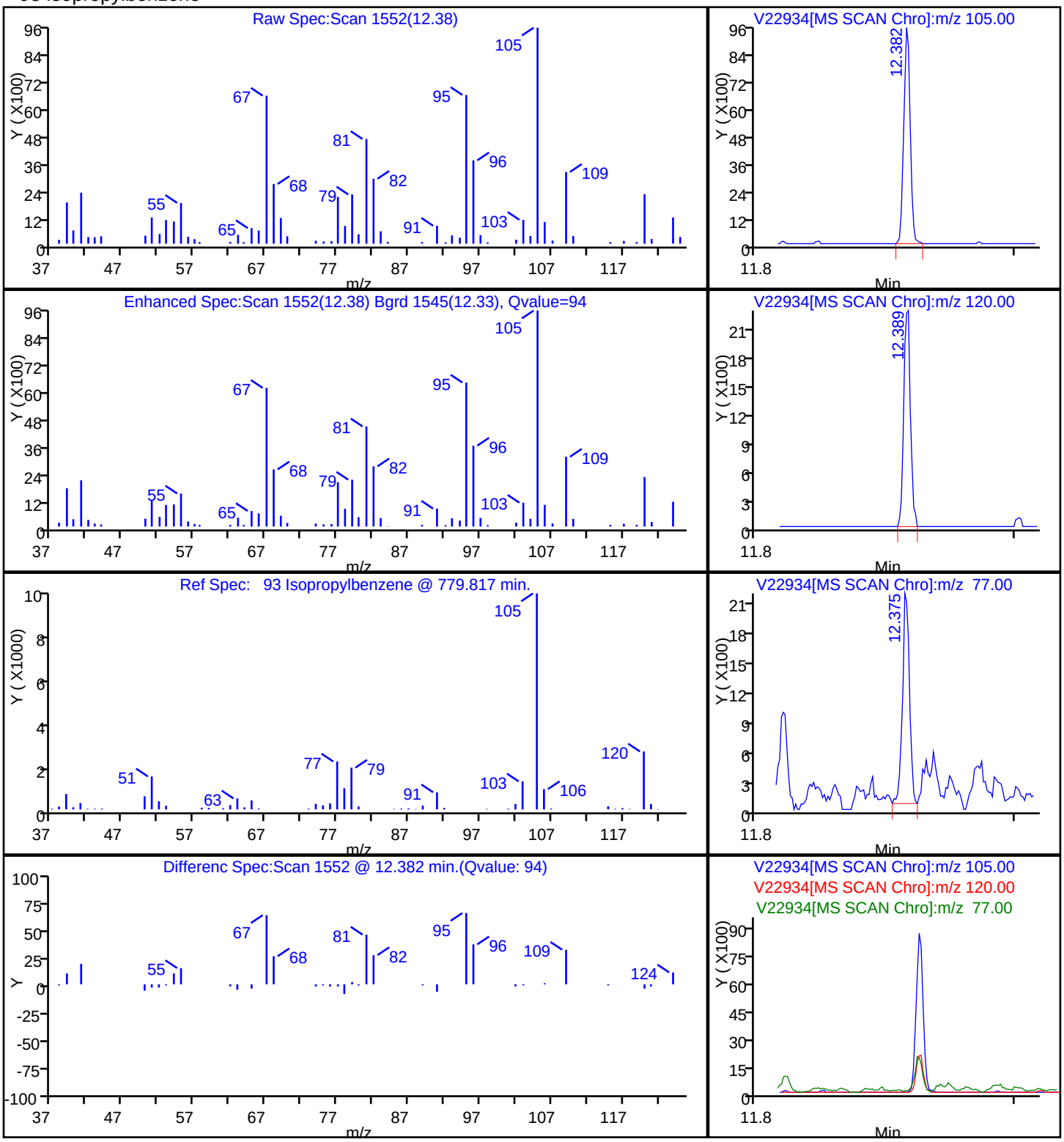
Injection Date: 08-Dec-2011 20:21:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-GW-MW06-120111 Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84486 Lims Sample ID: 19

Operator ID: tph

93 Isopropylbenzene



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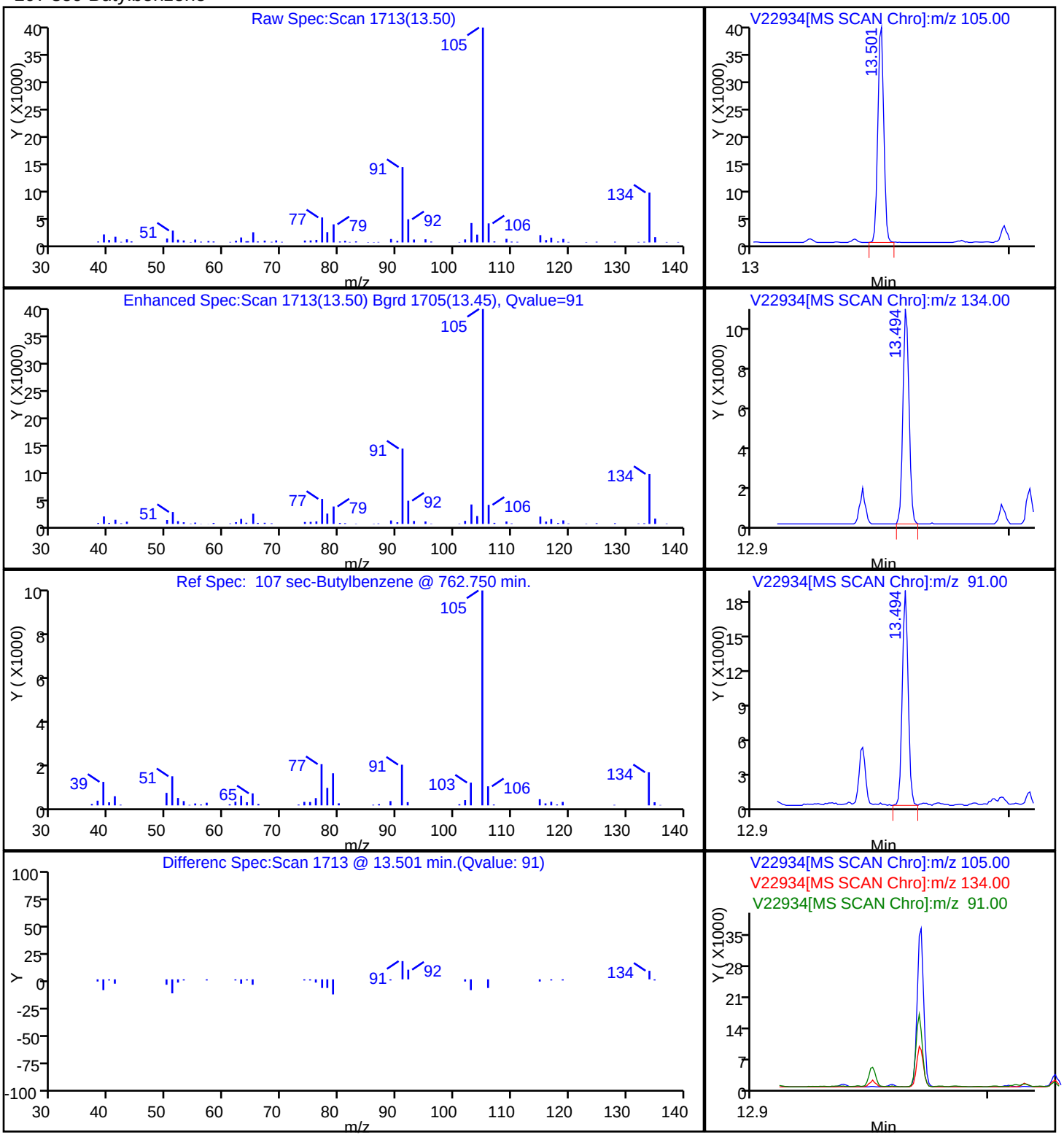
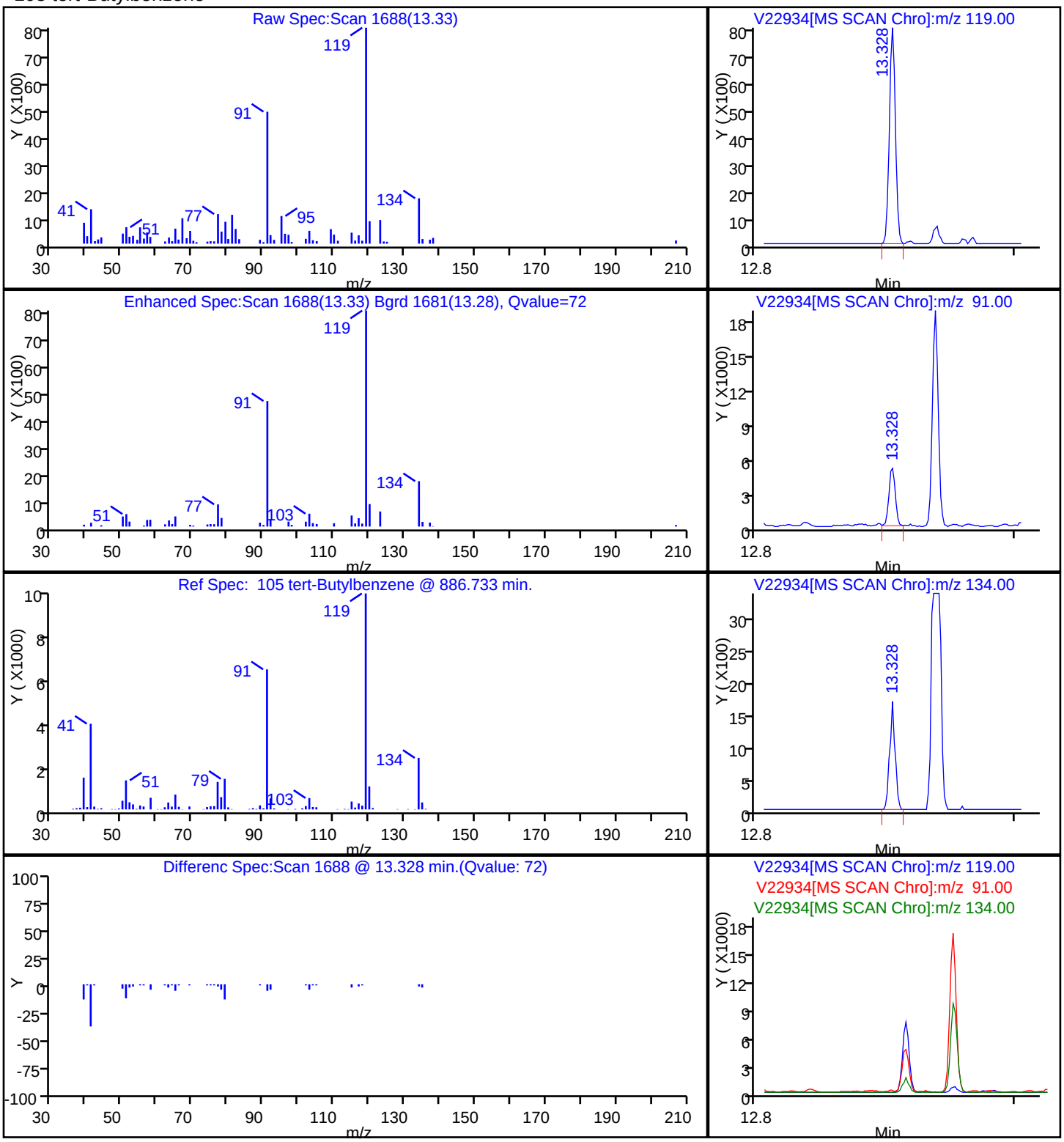
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22934.D
Injection Date: 08-Dec-2011 20:21:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW06-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 19
Operator ID: tph

107 sec-Butylbenzene

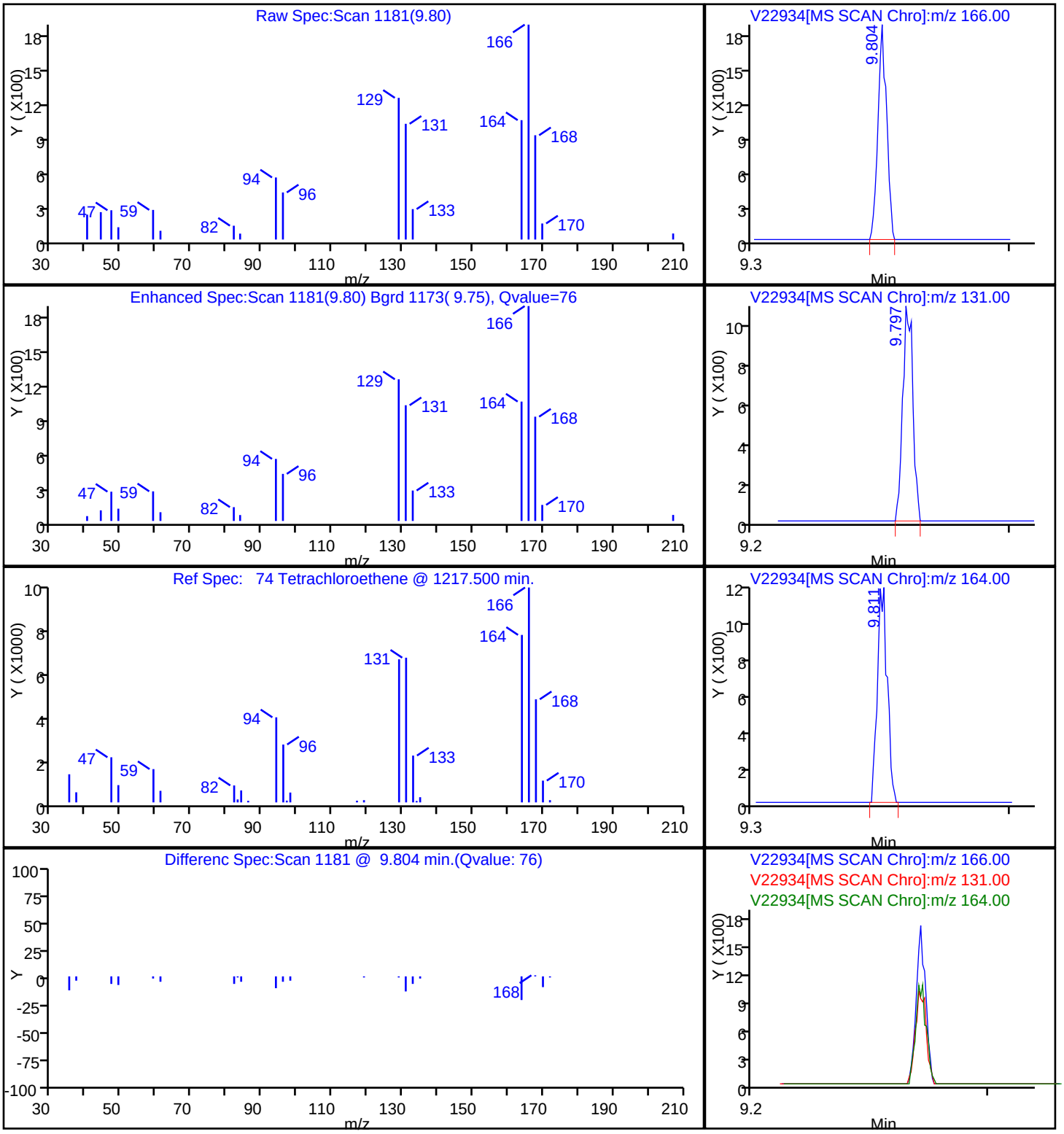


Report Date: 13-Dec-2011 09:54:45 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22934.D
Injection Date: 08-Dec-2011 20:21:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW06-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 19
Operator ID: tph

105 tert-Butylbenzene



Report Date: 13-Dec-2011 09:54:45 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22934.D
Injection Date: 08-Dec-2011 20:21:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW06-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 19
Operator ID: tph
74 Tetrachloroethene



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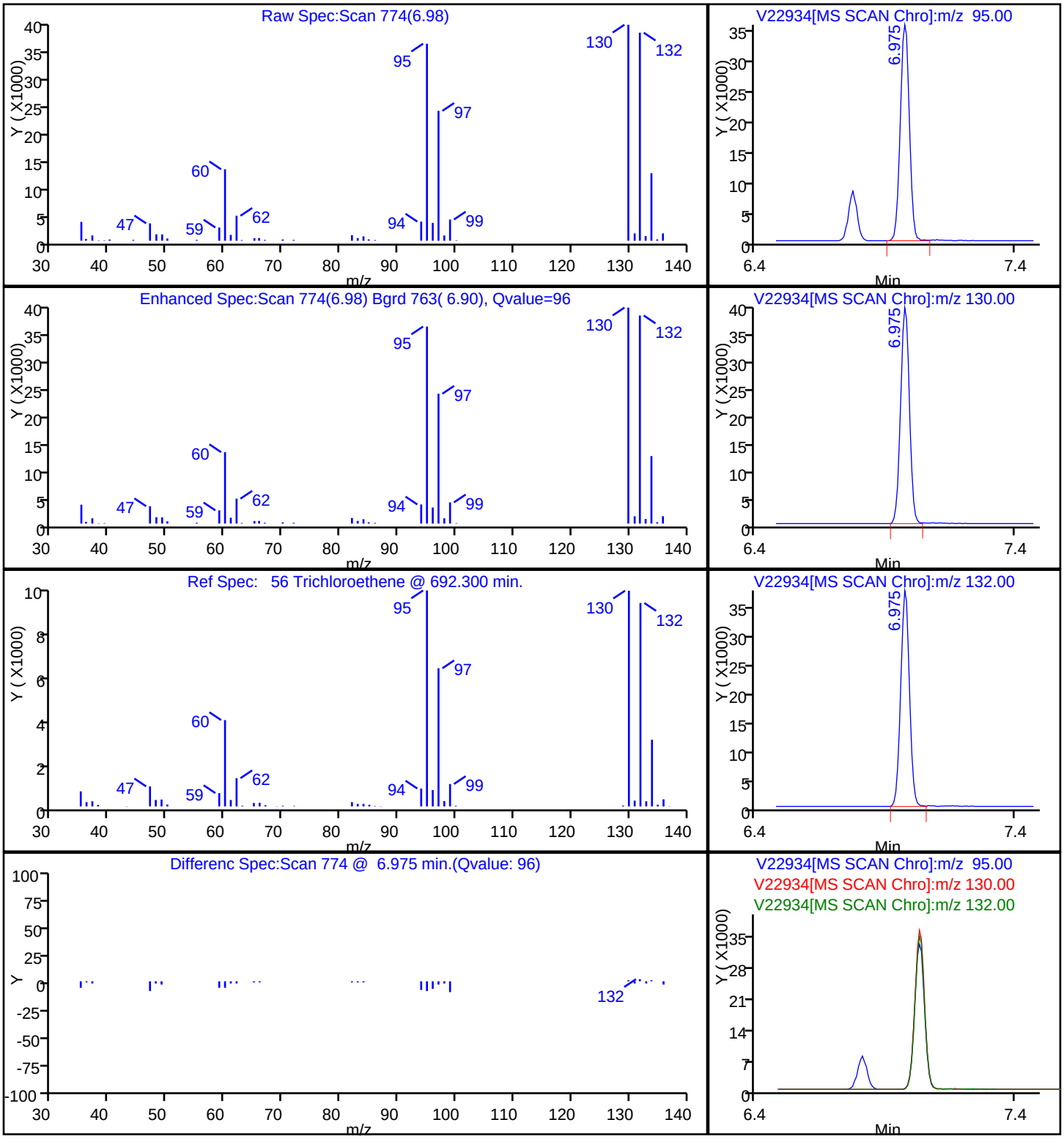
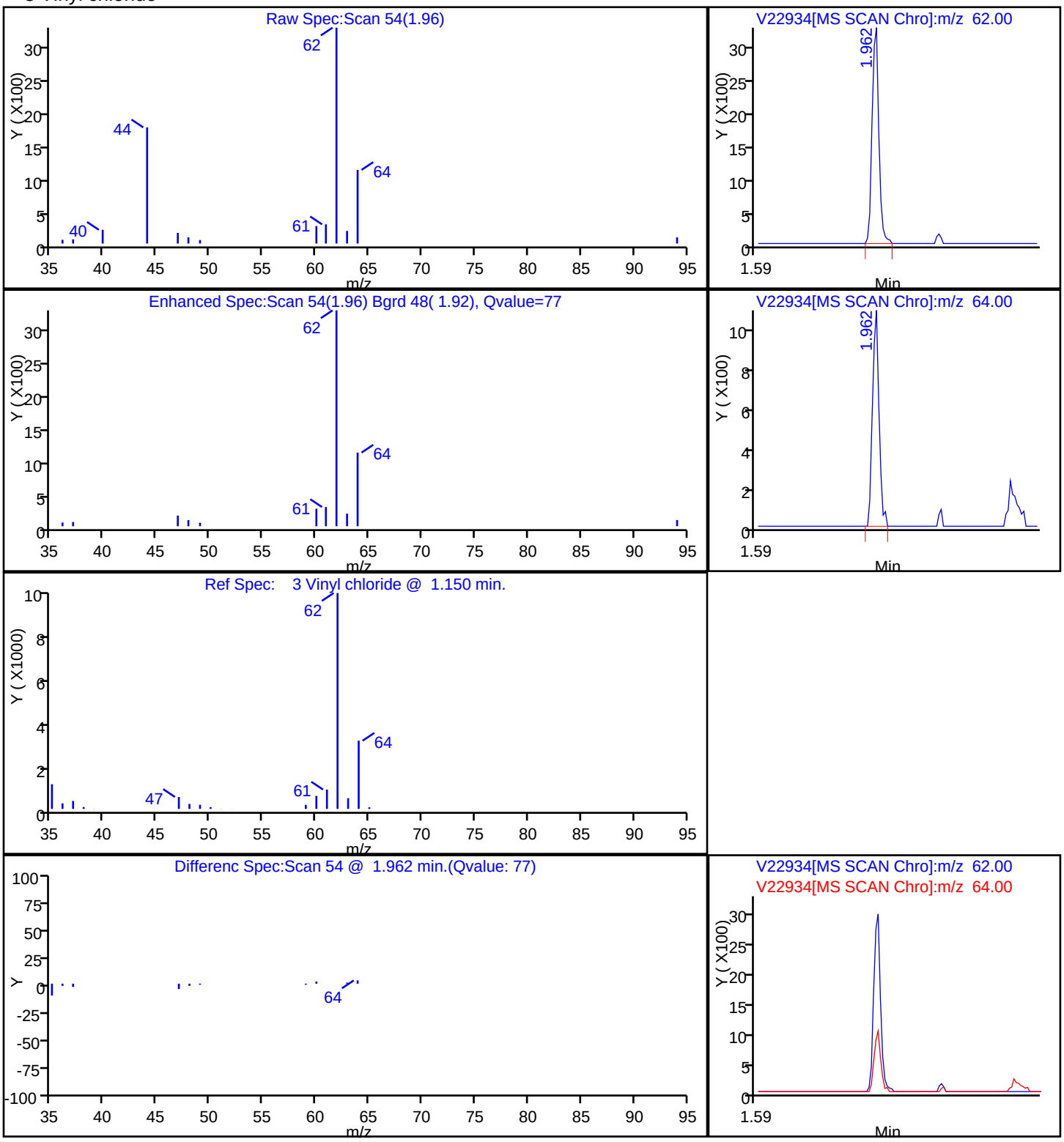
Injection Date: 08-Dec-2011 20:21:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW06-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 19
Operator ID: tph

56 Trichloroethene



Report Date: 13-Dec-2011 09:54:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22934.D
Injection Date: 08-Dec-2011 20:21:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW06-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 19
Operator ID: tph

3 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW301-120111 Lab Sample ID: 360-37900-5

Matrix: Water Lab File ID: V22935.D

Analysis Method: 8260B Date Collected: 12/01/2011 12:15

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 20:43

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.20
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.20
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
75-34-3	1,1-Dichloroethane	ND		1.0	0.20
75-35-4	1,1-Dichloroethene	ND		1.0	0.20
563-58-6	1,1-Dichloropropene	ND		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.20
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.20
78-87-5	1,2-Dichloropropane	ND		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.20
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.20
142-28-9	1,3-Dichloropropane	ND		1.0	0.20
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.20
594-20-7	2,2-Dichloropropane	ND		1.0	0.20
78-93-3	2-Butanone (MEK)	ND		10	1.3
95-49-8	2-Chlorotoluene	ND		1.0	0.20
591-78-6	2-Hexanone	ND		10	2.0
106-43-4	4-Chlorotoluene	ND		1.0	0.20
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.0
67-64-1	Acetone	ND		50	20
107-13-1	Acrylonitrile	ND		0.50	0.20
71-43-2	Benzene	ND		1.0	0.20
108-86-1	Bromobenzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.20
74-83-9	Bromomethane	ND		2.0	0.20
75-15-0	Carbon disulfide	ND	*	10	0.20
56-23-5	Carbon tetrachloride	ND	*	1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW301-120111 Lab Sample ID: 360-37900-5

Matrix: Water Lab File ID: V22935.D

Analysis Method: 8260B Date Collected: 12/01/2011 12:15

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 20:43

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		0.50	0.20
75-00-3	Chloroethane	ND		2.0	0.21
67-66-3	Chloroform	ND		1.0	0.20
74-87-3	Chloromethane	ND		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.20
74-95-3	Dibromomethane	ND		1.0	0.20
75-27-4	Dichlorobromomethane	ND		0.50	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.20
106-93-4	Ethylene Dibromide	ND		1.0	0.20
87-68-3	Hexachlorobutadiene	ND		0.40	0.20
98-82-8	Isopropylbenzene	ND		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		2.0	1.0
104-51-8	n-Butylbenzene	ND		1.0	0.20
103-65-1	N-Propylbenzene	ND		1.0	0.20
91-20-3	Naphthalene	ND		5.0	2.0
95-47-6	o-Xylene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
98-06-6	tert-Butylbenzene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		10	0.44
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.33
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		0.50	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW301-120111 Lab Sample ID: 360-37900-5

Matrix: Water Lab File ID: V22935.D

Analysis Method: 8260B Date Collected: 12/01/2011 12:15

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 20:43

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.: 84486 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane	109		70-130
2037-26-5	Toluene-d8 (Surr)	103		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22935.D
Lims ID: 360-37900-E-5 Client ID: BC-GW-MW301-120111
Inject. Date: 08-Dec-2011 20:43:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37900-E-5
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 20
Lims Batch ID: 84486 Lims Sample ID: 20
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m
Last Update: 09-Dec-2011 12:18:17 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 13-Dec-2011 09:55:20

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.872					
3 Vinyl chloride	1	62		1.955					
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	22	0	
5 Bromomethane	1	94		2.260					
6 Chloroethane	1	64		2.385					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.566					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45		2.934					
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96		3.024					
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.073					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.385					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45		3.552					
19 Methylene Chloride	1	84		3.670					
20 Acetone	1	43		3.725					
21 trans-1,2-Dichloroethene	1	61		3.864					
22 Methyl acetate	1	43		3.871					
23 Hexane	1	57		3.961					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.079					
26 Acetonitrile	1	40		4.281					
27 Isopropyl ether	1	45		4.440					
28 1,1-Dichloroethane	1	63		4.593					
29 Acrylonitrile	1	53		4.656					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1		4.749					7
33 Tert-butyl ethyl ether	1	59		4.885					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61		5.239					
35 2,2-Dichloropropane	1	77		5.371					
36 Chlorobromomethane	1	130		5.475					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83	5.572	5.565	0.007	55	3067	0.6381	
39 Ethyl acetate	1	43		5.718					
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.766					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	53	80370	21.8	
44 1,1,1-Trichloroethane	1	97		5.815					
45 2-Butanone (MEK)	1	43		5.940					
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.232					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.426					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	15005	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	212709	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.822					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.968					
56 Trichloroethene	1	95	6.982	6.975	0.007	44	1208	0.5215	
58 2,4,4-Trimethyl-2-pentene	1	55		7.037					
59 Dibromomethane	1	93		7.517					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.746					
63 Methyl methacrylate	1	69		8.004					
65 1,4-Dioxane	1	88		8.045					
64 1,4-Dioxane (SIM)	2	88		8.050					
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	92	218076	20.5	
70 Toluene	1	92		9.192					
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166		9.804					
75 4-Methyl-2-pentanone (MIBK)	1	43		9.831					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.109					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43		10.895					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43		10.992					
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	172097	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.381					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.104					
93 Isopropylbenzene	1	105		12.382					
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	95	84100	19.5	
$ 94 BFB	1	95	12.667	12.667	0.0	95	84100	0	
96 cis-1,4-Dichloro-2-butene	1	88		12.751					
97 Bromobenzene	1	77		12.764					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
101 1,3,5-Trimethylbenzene	1	105		13.015					
102 1,2,3-Trichloropropane	1	110		13.015					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119		13.327					
106 1,2,4-Trimethylbenzene	1	105		13.397					
107 sec-Butylbenzene	1	105		13.501					
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146		13.696					
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	97709	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.147					
114 1,2-Dichlorobenzene	1	146		14.175					
115 1,2-Dibromo-3-Chloropropane	1	157		14.898					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128		15.774					
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

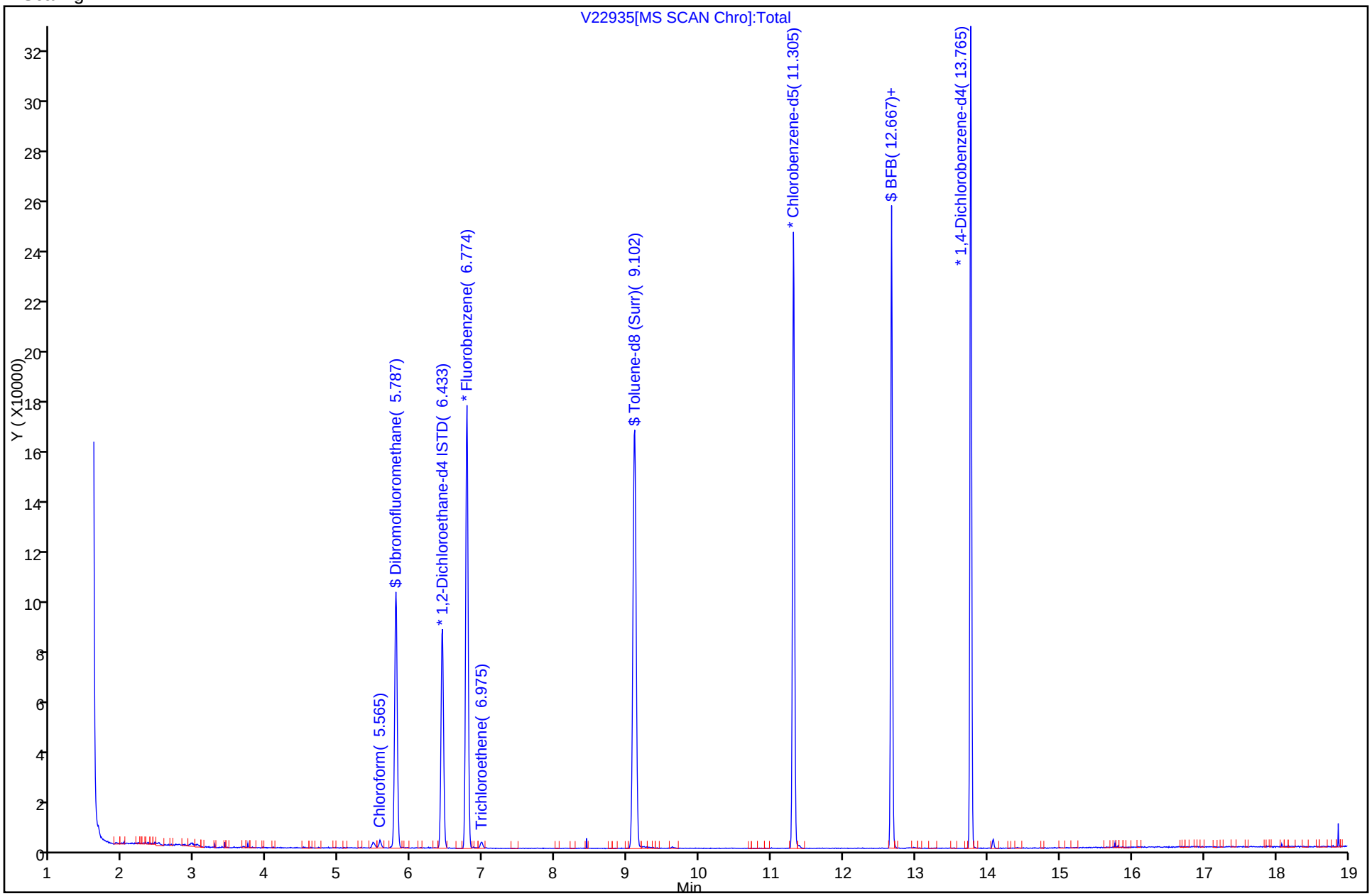
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:55:20 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22935.D

Injection Date:	08-Dec-2011 20:43:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:	BC-GW-MW301-120111	Instrument ID:	Agilent#2 GC/MS
Lims Batch ID:	84486	Lims Sample ID:	20
Operator ID:	tph		

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW200A-120111 Lab Sample ID: 360-37900-6

Matrix: Water Lab File ID: V22936.D

Analysis Method: 8260B Date Collected: 12/01/2011 08:45

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 21:04

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.20
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.20
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
75-34-3	1,1-Dichloroethane	ND		1.0	0.20
75-35-4	1,1-Dichloroethene	ND		1.0	0.20
563-58-6	1,1-Dichloropropene	ND		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.20
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.20
78-87-5	1,2-Dichloropropane	ND		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.20
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.20
142-28-9	1,3-Dichloropropane	ND		1.0	0.20
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.20
594-20-7	2,2-Dichloropropane	ND		1.0	0.20
78-93-3	2-Butanone (MEK)	ND		10	1.3
95-49-8	2-Chlorotoluene	ND		1.0	0.20
591-78-6	2-Hexanone	ND		10	2.0
106-43-4	4-Chlorotoluene	ND		1.0	0.20
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.0
67-64-1	Acetone	ND		50	20
107-13-1	Acrylonitrile	ND		0.50	0.20
71-43-2	Benzene	ND		1.0	0.20
108-86-1	Bromobenzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.20
74-83-9	Bromomethane	ND		2.0	0.20
75-15-0	Carbon disulfide	ND	*	10	0.20
56-23-5	Carbon tetrachloride	ND	*	1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW200A-120111 | Lab Sample ID: 360-37900-6

Matrix: Water | Lab File ID: V22936.D

Analysis Method: 8260B | Date Collected: 12/01/2011 08:45

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2011 21:04

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.: 84486 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		0.50	0.20
75-00-3	Chloroethane	ND		2.0	0.21
67-66-3	Chloroform	ND		1.0	0.20
74-87-3	Chloromethane	ND		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.20
74-95-3	Dibromomethane	ND		1.0	0.20
75-27-4	Dichlorobromomethane	ND		0.50	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.20
106-93-4	Ethylene Dibromide	ND		1.0	0.20
87-68-3	Hexachlorobutadiene	ND		0.40	0.20
98-82-8	Isopropylbenzene	ND		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		2.0	1.0
104-51-8	n-Butylbenzene	ND		1.0	0.20
103-65-1	N-Propylbenzene	ND		1.0	0.20
91-20-3	Naphthalene	ND		5.0	2.0
95-47-6	o-Xylene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
98-06-6	tert-Butylbenzene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		10	0.44
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.33
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		0.50	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW200A-120111 Lab Sample ID: 360-37900-6

Matrix: Water Lab File ID: V22936.D

Analysis Method: 8260B Date Collected: 12/01/2011 08:45

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 21:04

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.: 84486 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	97		70-130
1868-53-7	Dibromofluoromethane	108		70-130
2037-26-5	Toluene-d8 (Surr)	104		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22936.D		
Lims ID:	360-37900-E-6	Client ID:	BC-GW-MW200A-120111
Inject. Date:	08-Dec-2011 21:04:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-E-6		
Misc. Info.:			
Operator:	tph	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	84486	Lims Sample ID:	21
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		
Method:	\\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m		
Last Update:	09-Dec-2011 12:18:17	Calib Date:	29-Nov-2011 22:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		

First Level Reviewer: hartmannt Date: 13-Dec-2011 09:56:40

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.872					
3 Vinyl chloride	1	62		1.955					
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	64	0	
5 Bromomethane	1	94		2.260					
6 Chloroethane	1	64		2.385					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.566					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45		2.934					
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96		3.024					
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.073					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.385					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45		3.552					
19 Methylene Chloride	1	84		3.670					
20 Acetone	1	43	3.725	3.725	0.0	68	604	0.6274	
21 trans-1,2-Dichloroethene	1	61		3.864					
22 Methyl acetate	1	43		3.871					
23 Hexane	1	57		3.961					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.079					
26 Acetonitrile	1	40		4.281					
27 Isopropyl ether	1	45		4.440					
28 1,1-Dichloroethane	1	63		4.593					
29 Acrylonitrile	1	53		4.656					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1		4.749					7
33 Tert-butyl ethyl ether	1	59		4.885					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61		5.239					
35 2,2-Dichloropropane	1	77		5.371					
36 Chlorobromomethane	1	130		5.475					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83		5.565					
39 Ethyl acetate	1	43	5.725	5.718	0.007	57	1106	0	
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.766					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	54	79404	21.6	
44 1,1,1-Trichloroethane	1	97		5.815					
45 2-Butanone (MEK)	1	43		5.940					
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.232					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.426					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	14537	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	212062	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.822					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.968					
56 Trichloroethene	1	95	6.968	6.975	-0.007	38	522	0.2260	
58 2,4,4-Trimethyl-2-pentene	1	55		7.037					
59 Dibromomethane	1	93		7.517					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.746					
63 Methyl methacrylate	1	69		8.004					
65 1,4-Dioxane	1	88		8.045					
64 1,4-Dioxane (SIM)	2	88		8.050					
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.095	9.102	-0.007	93	219313	20.7	
70 Toluene	1	92		9.192					
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166		9.804					
75 4-Methyl-2-pentanone (MIBK)	1	43		9.831					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.109					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43		10.895					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43		10.992					
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	82	174585	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.381					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.104					
93 Isopropylbenzene	1	105		12.382					
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	84505	19.3	
$ 94 BFB	1	95	12.667	12.667	0.0	97	84505	0	
96 cis-1,4-Dichloro-2-butene	1	88		12.751					
97 Bromobenzene	1	77		12.764					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
101 1,3,5-Trimethylbenzene	1	105		13.015					
102 1,2,3-Trichloropropane	1	110		13.015					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119		13.327					
106 1,2,4-Trimethylbenzene	1	105		13.397					
107 sec-Butylbenzene	1	105		13.501					
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146		13.696					
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	98666	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.147					
114 1,2-Dichlorobenzene	1	146		14.175					
115 1,2-Dibromo-3-Chloropropane	1	157		14.898					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128		15.774					
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

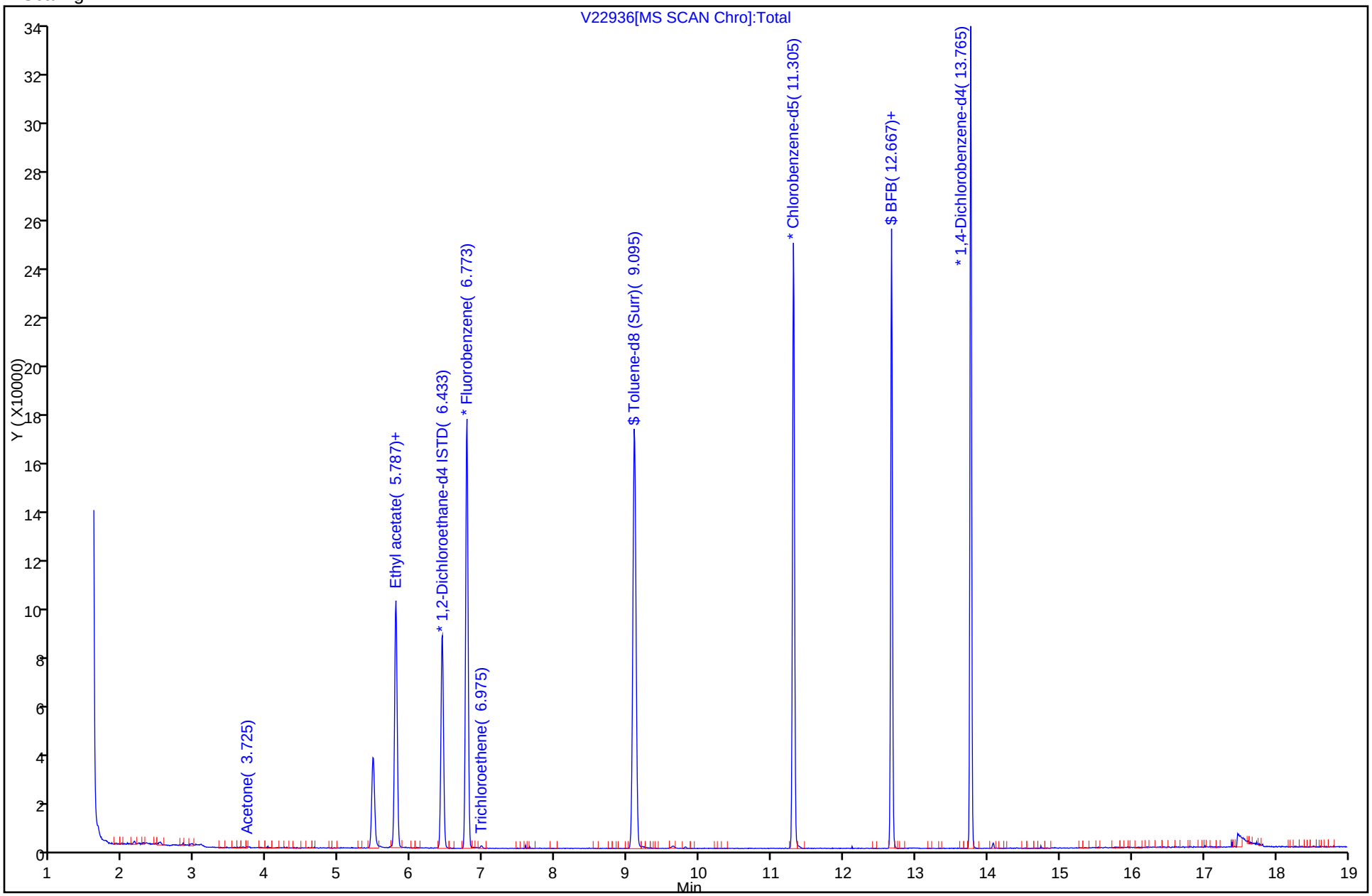
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:56:41 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22936.D

Injection Date:	08-Dec-2011 21:04:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:	BC-GW-MW200A-120111	Instrument ID:	Agilent#2 GC/MS
Lims Batch ID:	84486	Lims Sample ID:	21
Operator ID:	tph		

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW302-120111 Lab Sample ID: 360-37900-7

Matrix: Water Lab File ID: V22937.D

Analysis Method: 8260B Date Collected: 12/01/2011 10:31

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 21:26

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.20
71-55-6	1,1,1-Trichloroethane	34		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.20
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
75-34-3	1,1-Dichloroethane	ND		1.0	0.20
75-35-4	1,1-Dichloroethene	1.8		1.0	0.20
563-58-6	1,1-Dichloropropene	ND		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.20
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.20
78-87-5	1,2-Dichloropropane	ND		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.20
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.20
142-28-9	1,3-Dichloropropane	ND		1.0	0.20
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.20
594-20-7	2,2-Dichloropropane	ND		1.0	0.20
78-93-3	2-Butanone (MEK)	ND		10	1.3
95-49-8	2-Chlorotoluene	ND		1.0	0.20
591-78-6	2-Hexanone	ND		10	2.0
106-43-4	4-Chlorotoluene	ND		1.0	0.20
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.0
67-64-1	Acetone	ND		50	20
107-13-1	Acrylonitrile	ND		0.50	0.20
71-43-2	Benzene	ND		1.0	0.20
108-86-1	Bromobenzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.20
74-83-9	Bromomethane	ND		2.0	0.20
75-15-0	Carbon disulfide	ND	*	10	0.20
56-23-5	Carbon tetrachloride	ND	*	1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW302-120111 Lab Sample ID: 360-37900-7

Matrix: Water Lab File ID: V22937.D

Analysis Method: 8260B Date Collected: 12/01/2011 10:31

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 21:26

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		0.50	0.20
75-00-3	Chloroethane	ND		2.0	0.21
67-66-3	Chloroform	ND		1.0	0.20
74-87-3	Chloromethane	ND		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	2.0		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.20
74-95-3	Dibromomethane	ND		1.0	0.20
75-27-4	Dichlorobromomethane	ND		0.50	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.20
106-93-4	Ethylene Dibromide	ND		1.0	0.20
87-68-3	Hexachlorobutadiene	ND		0.40	0.20
98-82-8	Isopropylbenzene	ND		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		2.0	1.0
104-51-8	n-Butylbenzene	ND		1.0	0.20
103-65-1	N-Propylbenzene	ND		1.0	0.20
91-20-3	Naphthalene	ND		5.0	2.0
95-47-6	o-Xylene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
98-06-6	tert-Butylbenzene	ND		1.0	0.20
127-18-4	Tetrachloroethene	2.6		1.0	0.20
109-99-9	Tetrahydrofuran	ND		10	0.44
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	0.20
79-01-6	Trichloroethene	78		1.0	0.33
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		0.50	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW302-120111 Lab Sample ID: 360-37900-7

Matrix: Water Lab File ID: V22937.D

Analysis Method: 8260B Date Collected: 12/01/2011 10:31

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 21:26

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.: 84486 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	99		70-130
1868-53-7	Dibromofluoromethane	110		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130

Report Date: 13-Dec-2011 09:57:41 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22937.D
Lims ID: 360-37900-E-7 Client ID: BC-GW-MW302-120111
Inject. Date: 08-Dec-2011 21:26:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37900-E-7
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 22
Lims Batch ID: 84486 Lims Sample ID: 22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m
Last Update: 09-Dec-2011 12:18:17 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 13-Dec-2011 09:57:41

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.872					
3 Vinyl chloride	1	62		1.955					
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	66	0	
5 Bromomethane	1	94		2.260					
6 Chloroethane	1	64		2.385					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.566					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45		2.934					
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	77	3614	1.75	
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.073					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.385					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45		3.552					
19 Methylene Chloride	1	84		3.670					
20 Acetone	1	43	3.725	3.725	0.0	64	577	0.5807	
21 trans-1,2-Dichloroethene	1	61		3.864					
22 Methyl acetate	1	43		3.871					
23 Hexane	1	57		3.961					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.079					
26 Acetonitrile	1	40		4.281					
27 Isopropyl ether	1	45		4.440					
28 1,1-Dichloroethane	1	63	4.593	4.593	0.0	17	2025	0.4464	
29 Acrylonitrile	1	53		4.656					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		2.00	
33 Tert-butyl ethyl ether	1	59		4.885					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	57	7260	2.00	
35 2,2-Dichloropropane	1	77		5.371					
36 Chlorobromomethane	1	130		5.475					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83	5.572	5.565	0.007	29	1116	0.2326	
39 Ethyl acetate	1	43		5.718					
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.766					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	59	81067	22.0	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	95	115101	34.2	
45 2-Butanone (MEK)	1	43		5.940					
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.232					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.426					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	15004	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	212298	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.822					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.968					
56 Trichloroethene	1	95	6.975	6.975	0.0	93	180663	78.1	
58 2,4,4-Trimethyl-2-pentene	1	55		7.037					
59 Dibromomethane	1	93		7.517					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.746					
63 Methyl methacrylate	1	69		8.004					
65 1,4-Dioxane	1	88		8.045					
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	40	0	
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.095	9.102	-0.007	92	214347	20.2	
70 Toluene	1	92		9.192					
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166	9.811	9.804	0.007	86	6067	2.63	
75 4-Methyl-2-pentanone (MIBK)	1	43		9.831					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.109					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43		10.895					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43		10.992					
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	82	169171	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.381					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.104					
93 Isopropylbenzene	1	105		12.382					
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	83744	19.8	
$ 94 BFB	1	95	12.667	12.667	0.0	97	83744	0	
96 cis-1,4-Dichloro-2-butene	1	88		12.751					
97 Bromobenzene	1	77		12.764					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
101 1,3,5-Trimethylbenzene	1	105		13.015					
102 1,2,3-Trichloropropane	1	110		13.015					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119		13.327					
106 1,2,4-Trimethylbenzene	1	105		13.397					
107 sec-Butylbenzene	1	105		13.501					
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146		13.696					
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	95509	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.147					
114 1,2-Dichlorobenzene	1	146		14.175					
115 1,2-Dibromo-3-Chloropropane	1	157		14.898					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128		15.774					
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:57:41 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22937.D

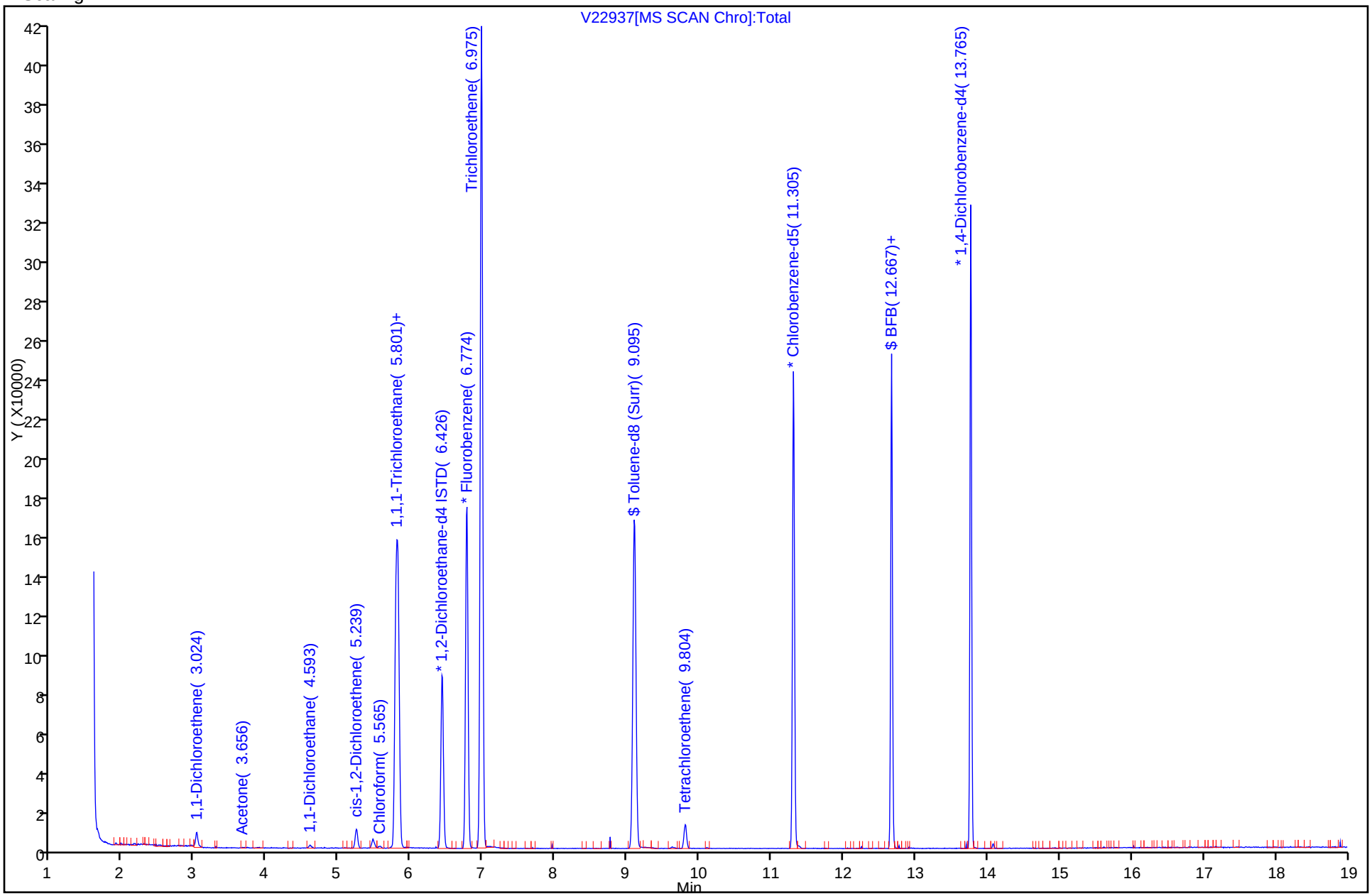
Injection Date: 08-Dec-2011 21:26:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-GW-MW302-120111 Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84486 Lims Sample ID: 22

Operator ID: tph

Y Scaling:



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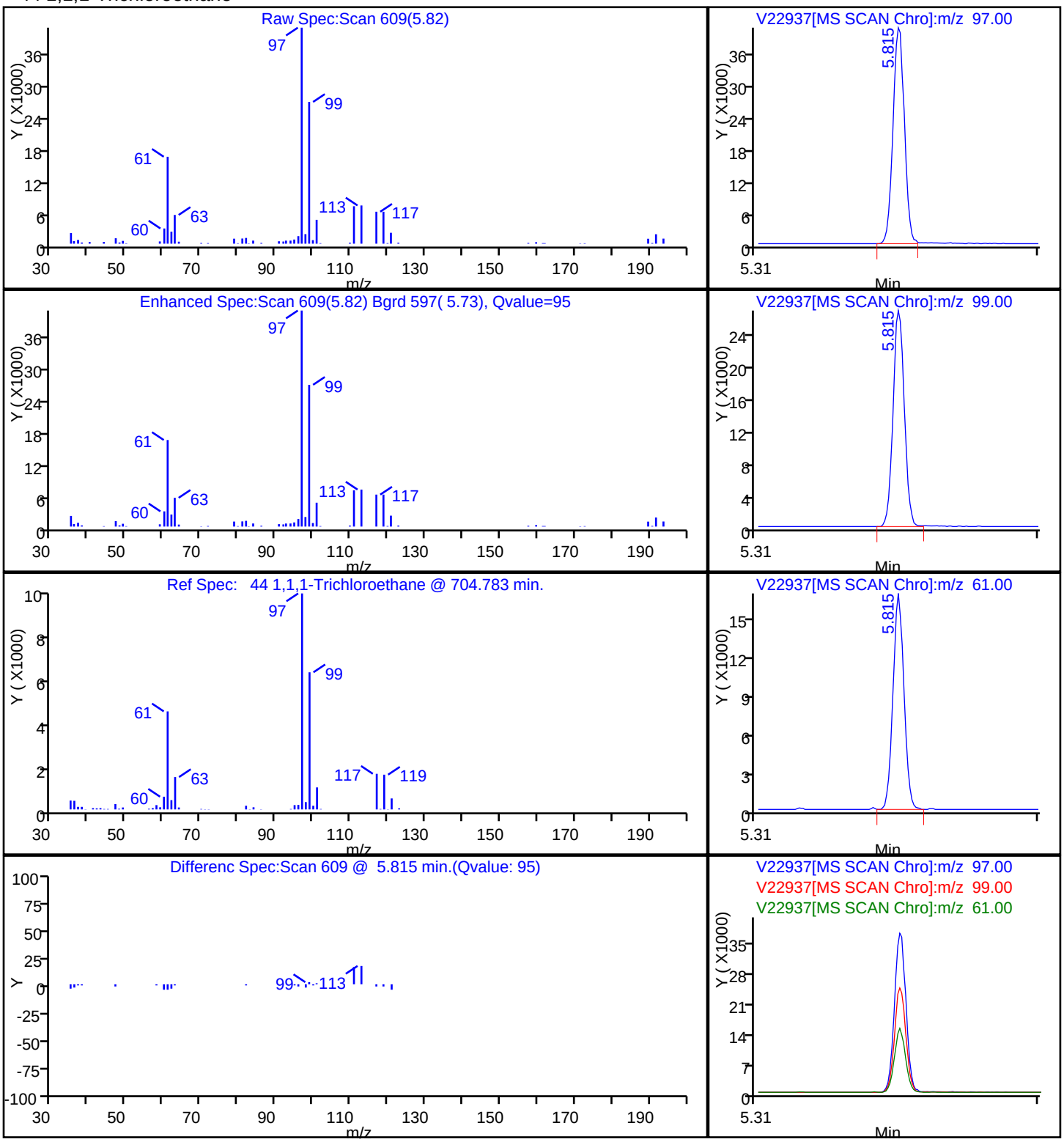
Injection Date: 08-Dec-2011 21:26:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW302-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 22
Operator ID: tph

44 1,1,1-Trichloroethane



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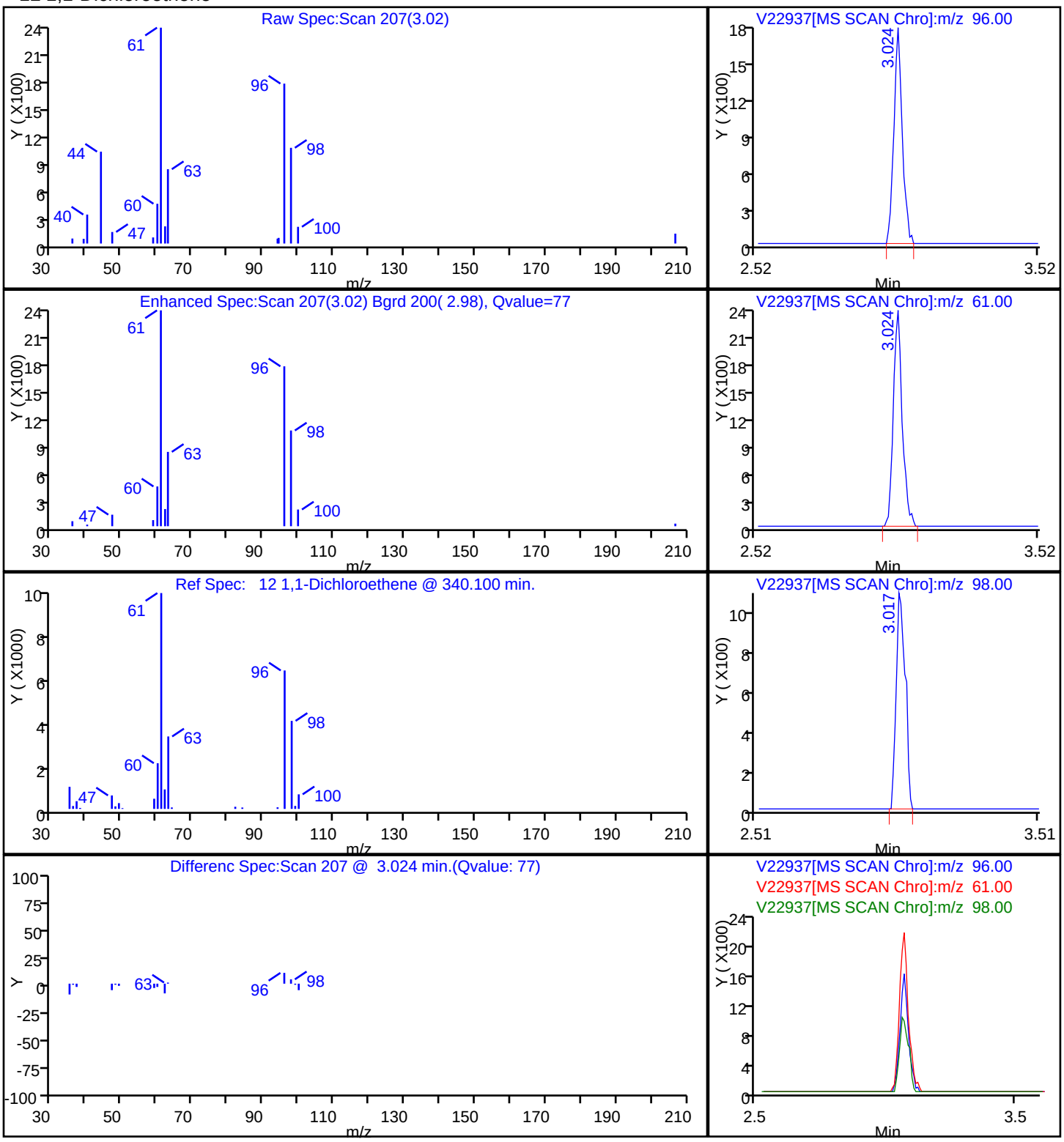
Injection Date: 08-Dec-2011 21:26:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW302-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 22
Operator ID: tph

12 1,1-Dichloroethene



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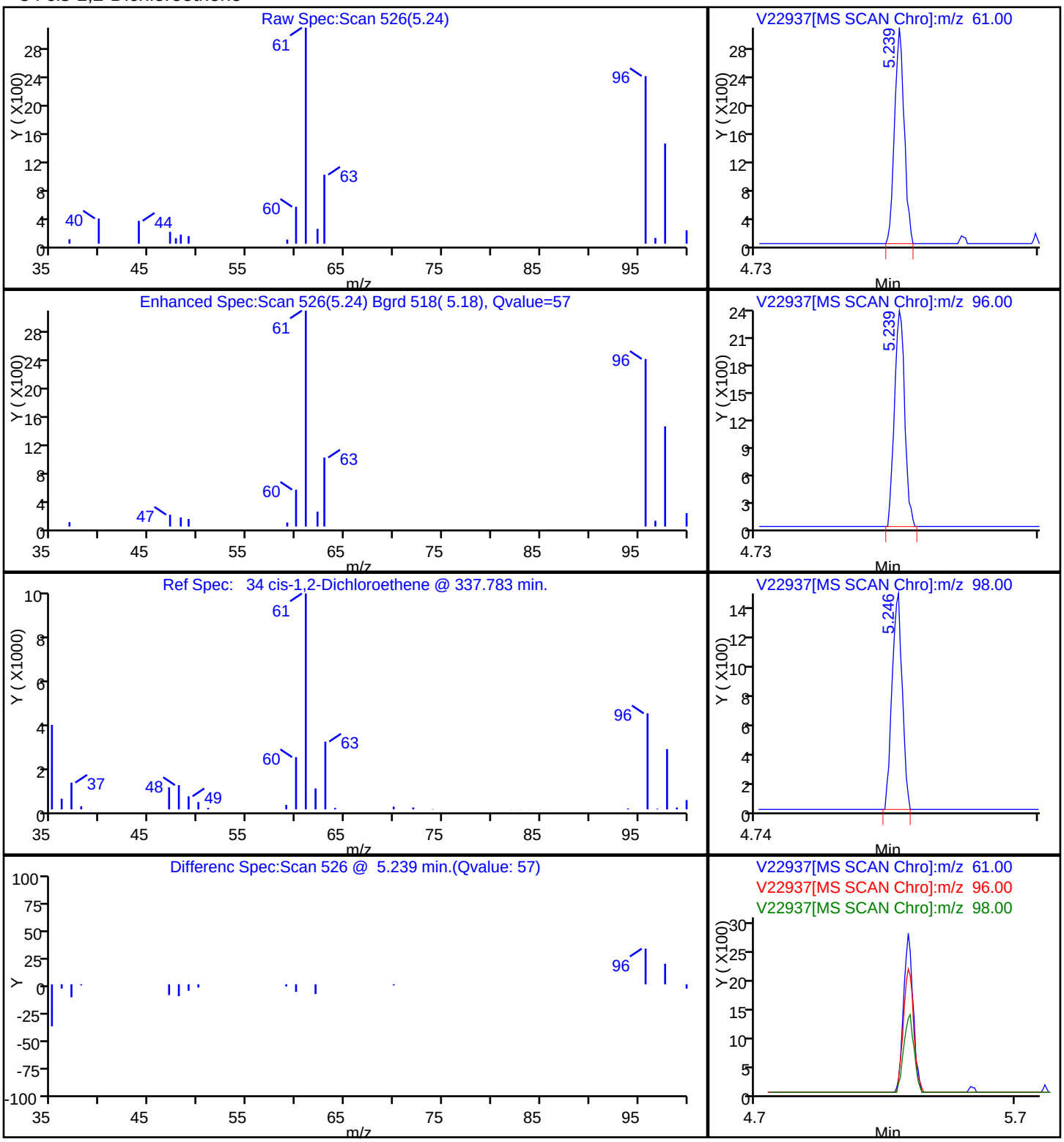
Injection Date: 08-Dec-2011 21:26:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW302-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 22
Operator ID: tph

34 cis-1,2-Dichloroethene



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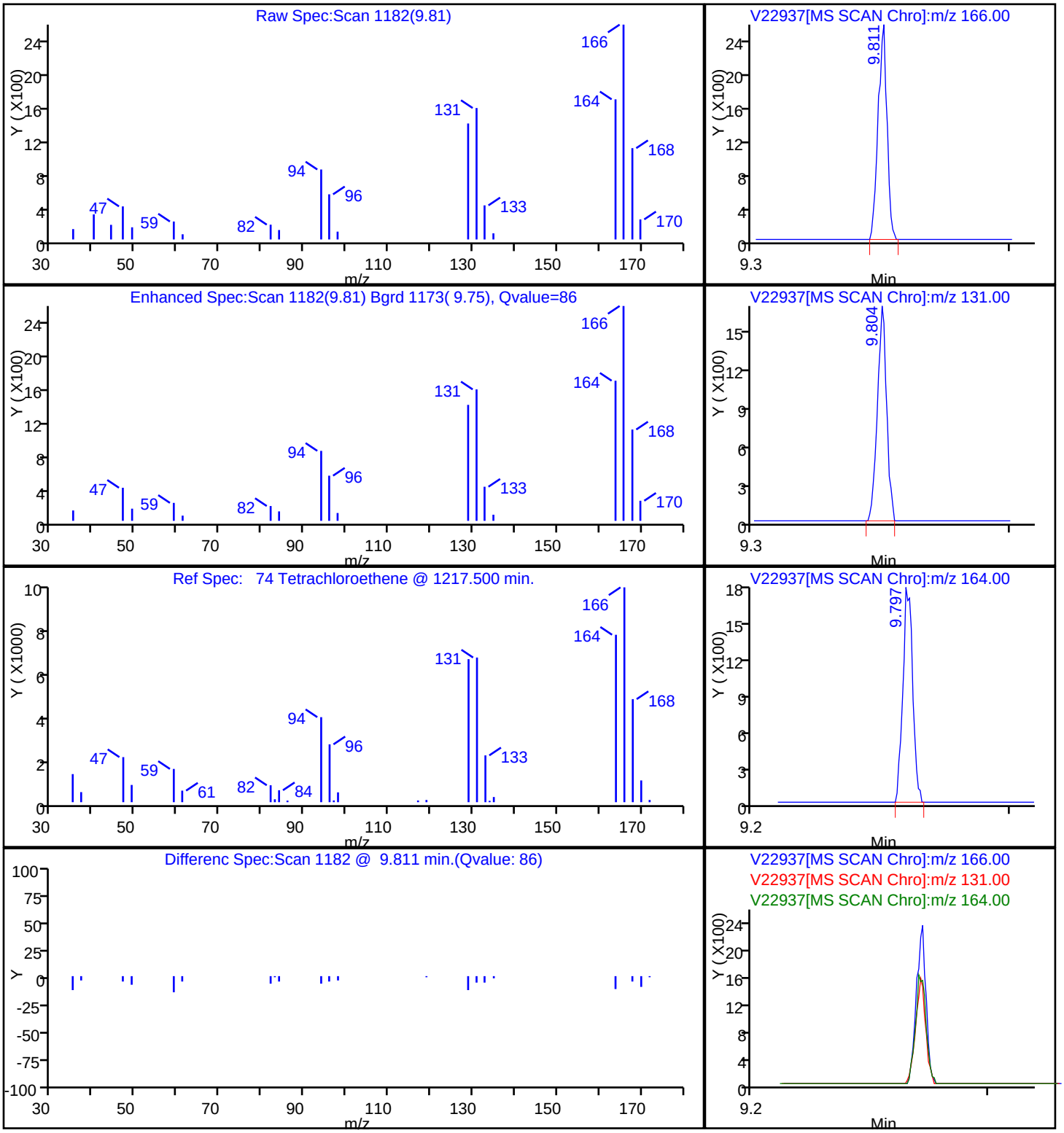
Injection Date: 08-Dec-2011 21:26:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW302-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 22
Operator ID: tph
74 Tetrachloroethene



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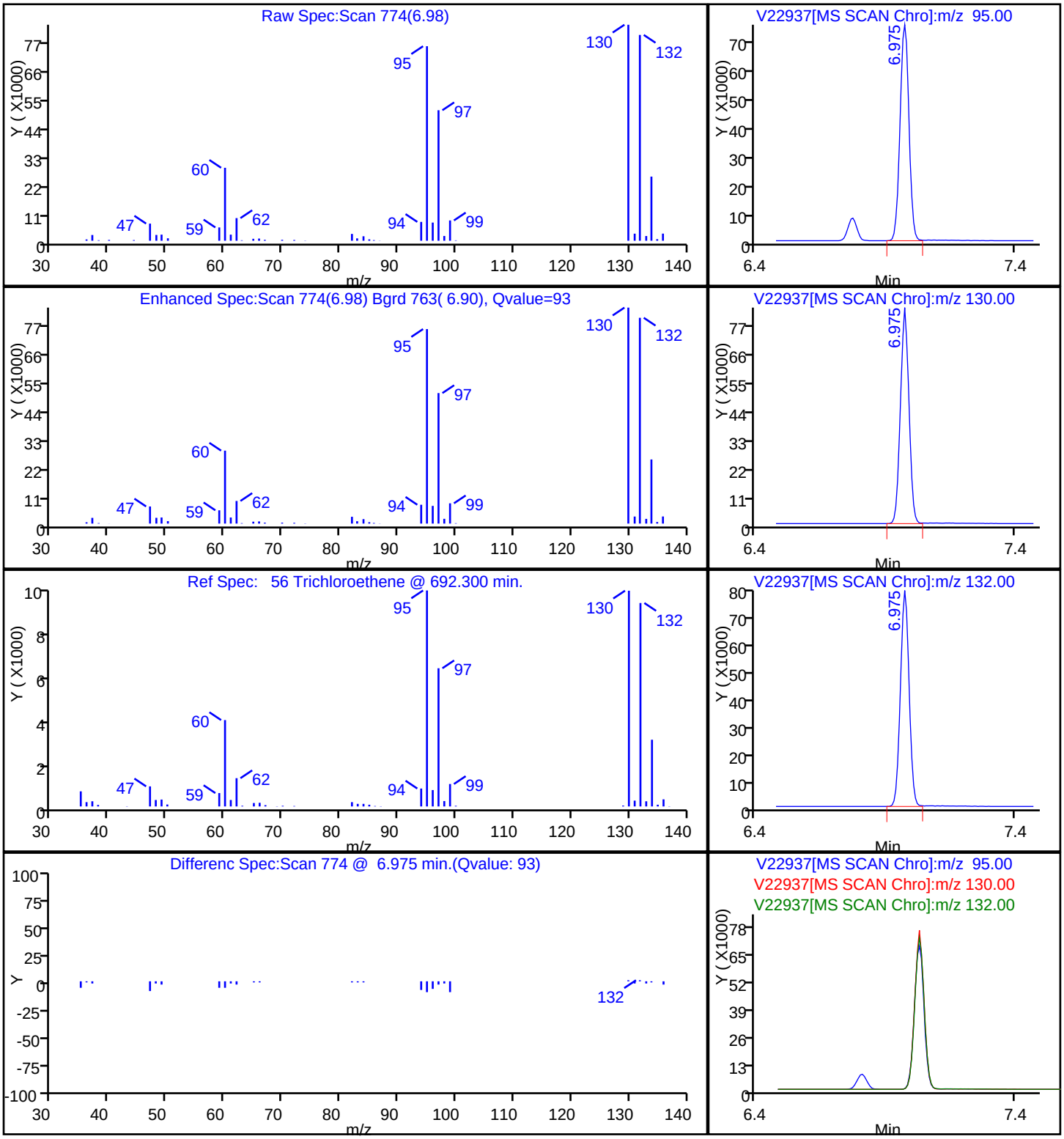
Injection Date: 08-Dec-2011 21:26:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW302-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 22
Operator ID: tph

56 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW304-120111 Lab Sample ID: 360-37900-8

Matrix: Water Lab File ID: V22938.D

Analysis Method: 8260B Date Collected: 12/01/2011 14:10

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 21:48

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.20
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.20
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
75-34-3	1,1-Dichloroethane	ND		1.0	0.20
75-35-4	1,1-Dichloroethene	ND		1.0	0.20
563-58-6	1,1-Dichloropropene	ND		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.20
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.20
78-87-5	1,2-Dichloropropane	ND		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.20
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.20
142-28-9	1,3-Dichloropropane	ND		1.0	0.20
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.20
594-20-7	2,2-Dichloropropane	ND		1.0	0.20
78-93-3	2-Butanone (MEK)	ND		10	1.3
95-49-8	2-Chlorotoluene	ND		1.0	0.20
591-78-6	2-Hexanone	ND		10	2.0
106-43-4	4-Chlorotoluene	ND		1.0	0.20
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.0
67-64-1	Acetone	ND		50	20
107-13-1	Acrylonitrile	ND		0.50	0.20
71-43-2	Benzene	ND		1.0	0.20
108-86-1	Bromobenzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.20
74-83-9	Bromomethane	ND		2.0	0.20
75-15-0	Carbon disulfide	ND	*	10	0.20
56-23-5	Carbon tetrachloride	ND	*	1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW304-120111 Lab Sample ID: 360-37900-8

Matrix: Water Lab File ID: V22938.D

Analysis Method: 8260B Date Collected: 12/01/2011 14:10

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 21:48

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		0.50	0.20
75-00-3	Chloroethane	ND		2.0	0.21
67-66-3	Chloroform	ND		1.0	0.20
74-87-3	Chloromethane	ND		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.20
74-95-3	Dibromomethane	ND		1.0	0.20
75-27-4	Dichlorobromomethane	ND		0.50	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.20
106-93-4	Ethylene Dibromide	ND		1.0	0.20
87-68-3	Hexachlorobutadiene	ND		0.40	0.20
98-82-8	Isopropylbenzene	ND		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		2.0	1.0
104-51-8	n-Butylbenzene	ND		1.0	0.20
103-65-1	N-Propylbenzene	ND		1.0	0.20
91-20-3	Naphthalene	ND		5.0	2.0
95-47-6	o-Xylene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
98-06-6	tert-Butylbenzene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		10	0.44
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.33
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		0.50	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW304-120111 Lab Sample ID: 360-37900-8

Matrix: Water Lab File ID: V22938.D

Analysis Method: 8260B Date Collected: 12/01/2011 14:10

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 21:48

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.: 84486 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane	111		70-130
2037-26-5	Toluene-d8 (Surr)	103		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22938.D		
Lims ID:	360-37900-E-8	Client ID:	BC-GW-MW304-120111
Inject. Date:	08-Dec-2011 21:48:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-E-8		
Misc. Info.:			
Operator:	tph	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	23
Lims Batch ID:	84486	Lims Sample ID:	23
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		
Method:	\\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m		
Last Update:	09-Dec-2011 12:18:17	Calib Date:	29-Nov-2011 22:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS01		

First Level Reviewer: hartmannt Date: 13-Dec-2011 09:58:40

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.872					
3 Vinyl chloride	1	62		1.955					
4 Vinyl chloride (SIM)	2	62	1.967	1.960	0.007	0	30	0	
5 Bromomethane	1	94		2.260					
6 Chloroethane	1	64		2.385					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.566					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45		2.934					
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96		3.024					
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.073					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.385					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45		3.552					
19 Methylene Chloride	1	84		3.670					
20 Acetone	1	43		3.725					
21 trans-1,2-Dichloroethene	1	61		3.864					
22 Methyl acetate	1	43		3.871					
23 Hexane	1	57		3.961					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.079					
26 Acetonitrile	1	40		4.281					
27 Isopropyl ether	1	45		4.440					
28 1,1-Dichloroethane	1	63		4.593					
29 Acrylonitrile	1	53		4.656					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1		4.749					7
33 Tert-butyl ethyl ether	1	59		4.885					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61		5.239					
35 2,2-Dichloropropane	1	77		5.371					
36 Chlorobromomethane	1	130		5.475					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83		5.565					
39 Ethyl acetate	1	43		5.718					
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.766					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	56	80574	22.1	
44 1,1,1-Trichloroethane	1	97		5.815					
45 2-Butanone (MEK)	1	43		5.940					
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.232					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.426					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	14976	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	210528	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.822					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.968					
56 Trichloroethene	1	95		6.975					
58 2,4,4-Trimethyl-2-pentene	1	55		7.037					
59 Dibromomethane	1	93		7.517					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.746					
63 Methyl methacrylate	1	69		8.004					
65 1,4-Dioxane	1	88		8.045					
64 1,4-Dioxane (SIM)	2	88	9.100	8.050	1.050	0	656	0	
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	215840	20.5	
70 Toluene	1	92		9.192					
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166		9.804					
75 4-Methyl-2-pentanone (MIBK)	1	43		9.831					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.109					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43		10.895					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43		10.992					
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	169143	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.381					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.104					
93 Isopropylbenzene	1	105		12.382					
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	96	82629	19.5	
$ 94 BFB	1	95	12.667	12.667	0.0	96	82629	0	
96 cis-1,4-Dichloro-2-butene	1	88		12.751					
97 Bromobenzene	1	77		12.764					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
101 1,3,5-Trimethylbenzene	1	105		13.015					
102 1,2,3-Trichloropropane	1	110		13.015					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119		13.327					
106 1,2,4-Trimethylbenzene	1	105		13.397					
107 sec-Butylbenzene	1	105		13.501					
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146		13.696					
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	96527	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.147					
114 1,2-Dichlorobenzene	1	146		14.175					
115 1,2-Dibromo-3-Chloropropane	1	157		14.898					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128		15.774					
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

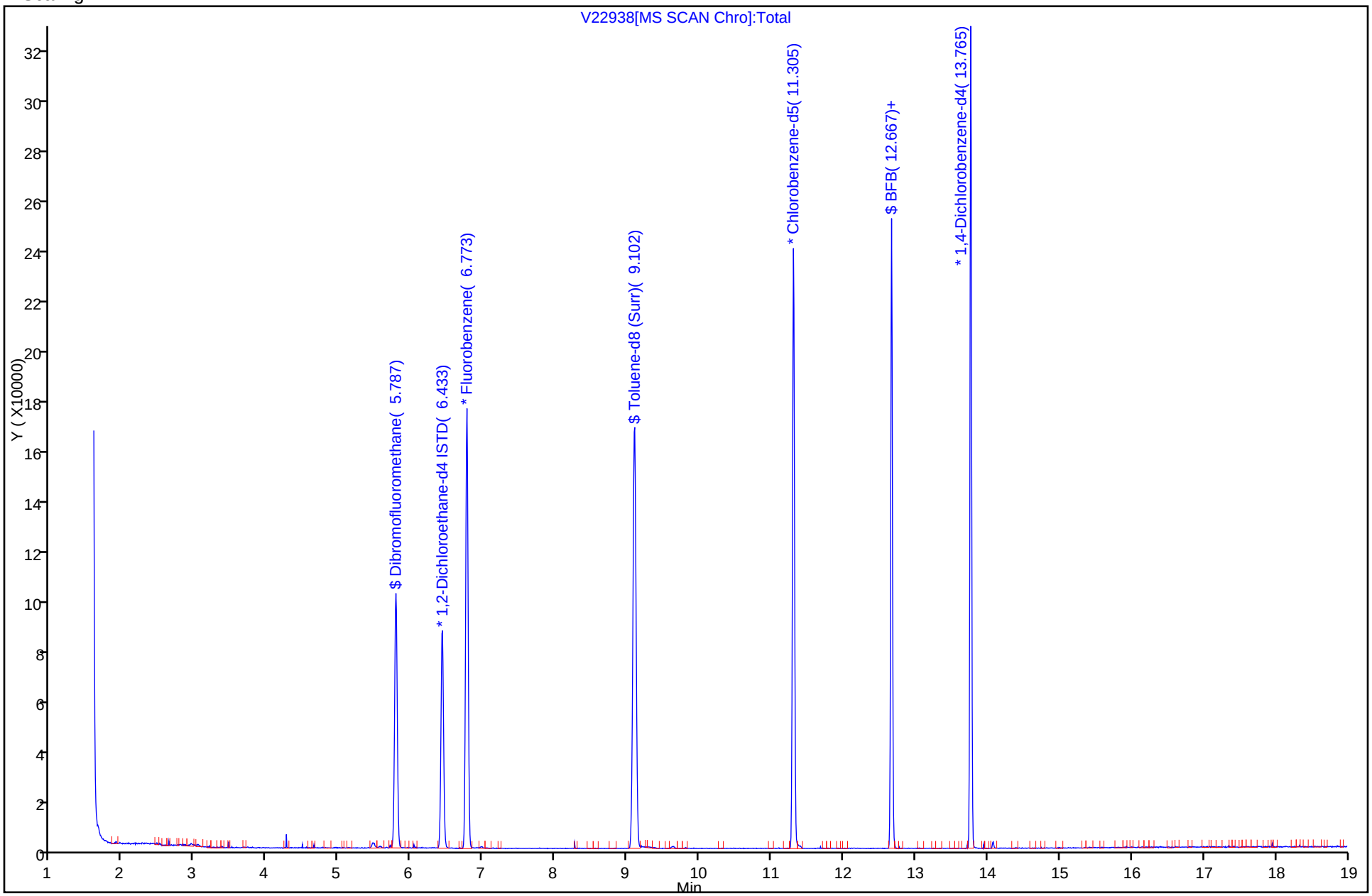
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:58:40 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22938.D

Injection Date:	08-Dec-2011 21:48:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:	BC-GW-MW304-120111	Instrument ID:	Agilent#2 GC/MS
Lims Batch ID:	84486	Lims Sample ID:	23
Operator ID:	tph		

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW305-120111 Lab Sample ID: 360-37900-9

Matrix: Water Lab File ID: V22939.D

Analysis Method: 8260B Date Collected: 12/01/2011 14:50

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 22:10

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.20
71-55-6	1,1,1-Trichloroethane	5.2		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.20
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
75-34-3	1,1-Dichloroethane	ND		1.0	0.20
75-35-4	1,1-Dichloroethene	ND		1.0	0.20
563-58-6	1,1-Dichloropropene	ND		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.20
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.20
78-87-5	1,2-Dichloropropane	ND		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.20
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.20
142-28-9	1,3-Dichloropropane	ND		1.0	0.20
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.20
594-20-7	2,2-Dichloropropane	ND		1.0	0.20
78-93-3	2-Butanone (MEK)	ND		10	1.3
95-49-8	2-Chlorotoluene	ND		1.0	0.20
591-78-6	2-Hexanone	ND		10	2.0
106-43-4	4-Chlorotoluene	ND		1.0	0.20
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.0
67-64-1	Acetone	ND		50	20
107-13-1	Acrylonitrile	ND		0.50	0.20
71-43-2	Benzene	ND		1.0	0.20
108-86-1	Bromobenzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.20
74-83-9	Bromomethane	ND		2.0	0.20
75-15-0	Carbon disulfide	ND	*	10	0.20
56-23-5	Carbon tetrachloride	ND	*	1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW305-120111 Lab Sample ID: 360-37900-9

Matrix: Water Lab File ID: V22939.D

Analysis Method: 8260B Date Collected: 12/01/2011 14:50

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 22:10

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		0.50	0.20
75-00-3	Chloroethane	ND		2.0	0.21
67-66-3	Chloroform	ND		1.0	0.20
74-87-3	Chloromethane	ND		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	1.2		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.20
74-95-3	Dibromomethane	ND		1.0	0.20
75-27-4	Dichlorobromomethane	ND		0.50	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.20
106-93-4	Ethylene Dibromide	ND		1.0	0.20
87-68-3	Hexachlorobutadiene	ND		0.40	0.20
98-82-8	Isopropylbenzene	ND		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		2.0	1.0
104-51-8	n-Butylbenzene	ND		1.0	0.20
103-65-1	N-Propylbenzene	ND		1.0	0.20
91-20-3	Naphthalene	ND		5.0	2.0
95-47-6	o-Xylene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
98-06-6	tert-Butylbenzene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		10	0.44
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	0.20
79-01-6	Trichloroethene	48		1.0	0.33
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		0.50	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW305-120111 Lab Sample ID: 360-37900-9

Matrix: Water Lab File ID: V22939.D

Analysis Method: 8260B Date Collected: 12/01/2011 14:50

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 22:10

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.: 84486 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane	110		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130

Report Date: 13-Dec-2011 09:59:38 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22939.D
Lims ID: 360-37900-E-9 Client ID: BC-GW-MW305-120111
Inject. Date: 08-Dec-2011 22:10:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37900-E-9
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 24
Lims Batch ID: 84486 Lims Sample ID: 24
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m
Last Update: 09-Dec-2011 12:18:17 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 13-Dec-2011 09:59:38

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.872					
3 Vinyl chloride	1	62		1.955					
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	65	0	
5 Bromomethane	1	94		2.260					
6 Chloroethane	1	64		2.385					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.566					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45		2.934					
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96		3.024					
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.073					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.385					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45		3.552					
19 Methylene Chloride	1	84		3.670					
20 Acetone	1	43	3.732	3.725	0.007	64	526	0.5320	
21 trans-1,2-Dichloroethene	1	61		3.864					
22 Methyl acetate	1	43		3.871					
23 Hexane	1	57		3.961					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.079					
26 Acetonitrile	1	40		4.281					
27 Isopropyl ether	1	45		4.440					
28 1,1-Dichloroethane	1	63	4.593	4.593	0.0	6	1915	0.4261	
29 Acrylonitrile	1	53		4.656					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		1.23	
33 Tert-butyl ethyl ether	1	59		4.885					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	36	4420	1.23	
35 2,2-Dichloropropane	1	77		5.371					
36 Chlorobromomethane	1	130		5.475					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83	5.565	5.565	0.0	50	2599	0.5469	
39 Ethyl acetate	1	43		5.718					
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.766					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	59	80277	22.0	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	83	17449	5.21	
45 2-Butanone (MEK)	1	43		5.940					
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.232					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.426					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	14928	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	210321	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.822					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.968					
56 Trichloroethene	1	95	6.975	6.975	0.0	94	108854	47.5	
58 2,4,4-Trimethyl-2-pentene	1	55		7.037					
59 Dibromomethane	1	93		7.517					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.746					
63 Methyl methacrylate	1	69		8.004					
65 1,4-Dioxane	1	88		8.045					
64 1,4-Dioxane (SIM)	2	88	9.100	8.050	1.050	0	673	0	
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.095	9.102	-0.007	92	214530	20.4	
70 Toluene	1	92		9.192					
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166	9.811	9.804	0.007	61	1861	0.8149	
75 4-Methyl-2-pentanone (MIBK)	1	43		9.831					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.109					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43		10.895					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43		10.992					
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	82	169666	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.381					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.104					
93 Isopropylbenzene	1	105		12.382					
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	83109	19.6	
$ 94 BFB	1	95	12.667	12.667	0.0	97	83109	0	
96 cis-1,4-Dichloro-2-butene	1	88		12.751					
97 Bromobenzene	1	77		12.764					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
101 1,3,5-Trimethylbenzene	1	105		13.015					
102 1,2,3-Trichloropropane	1	110		13.015					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119		13.327					
106 1,2,4-Trimethylbenzene	1	105		13.397					
107 sec-Butylbenzene	1	105		13.501					
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146		13.696					
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	96438	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.147					
114 1,2-Dichlorobenzene	1	146		14.175					
115 1,2-Dibromo-3-Chloropropane	1	157		14.898					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128		15.774					
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

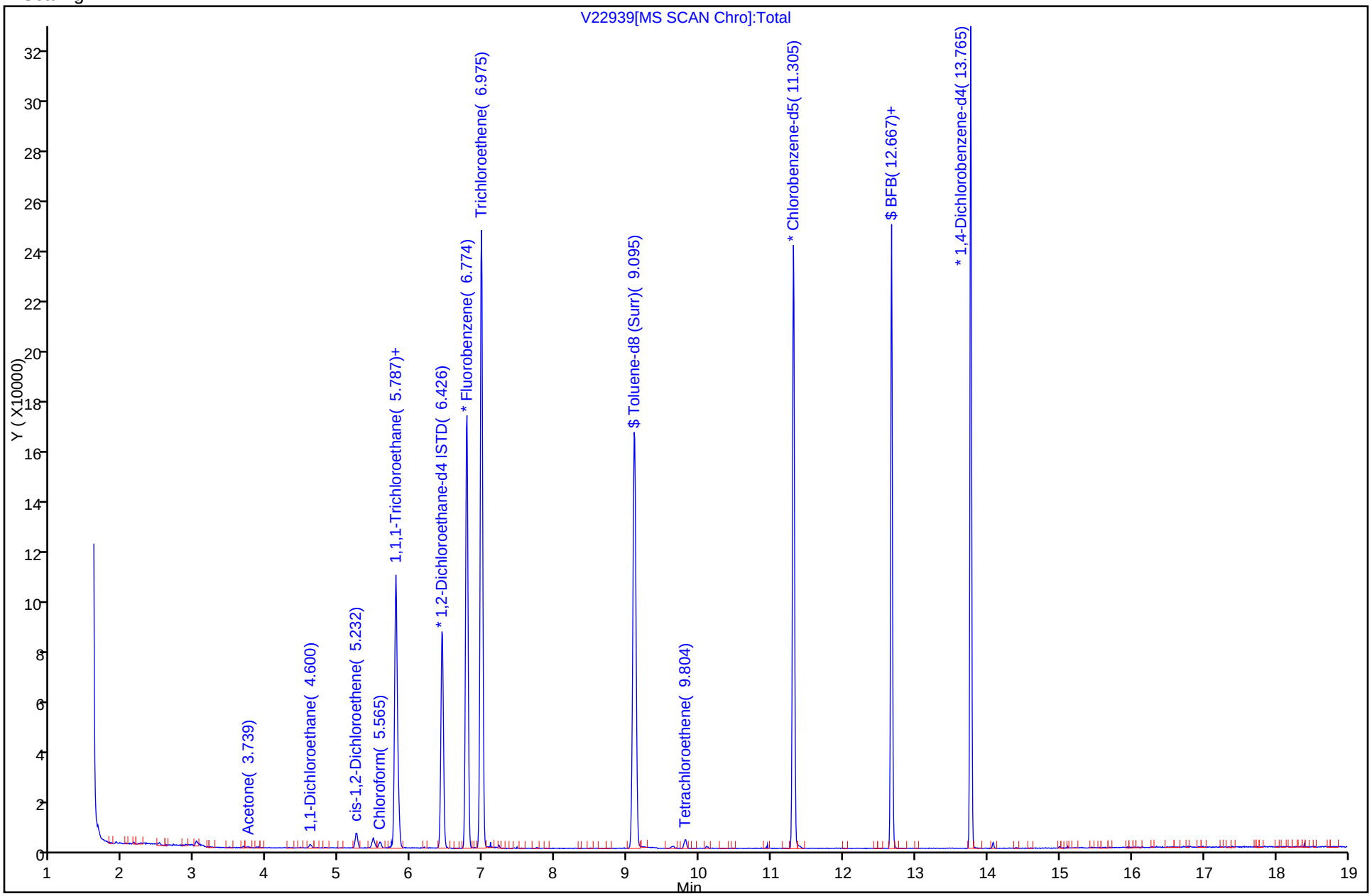
Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:59:38 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22939.D

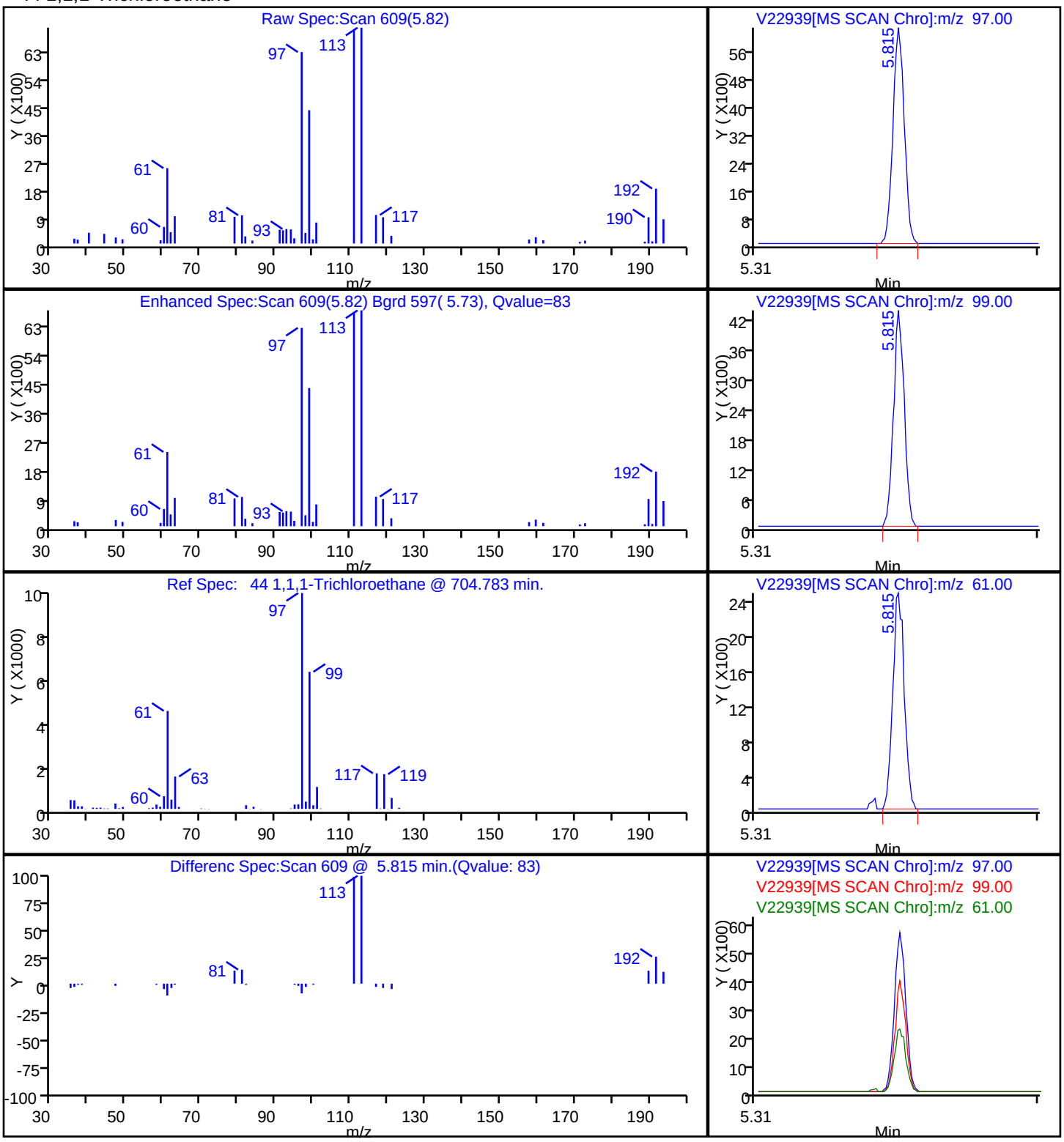
Injection Date:	08-Dec-2011 22:10:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:	BC-GW-MW305-120111	Instrument ID:	Agilent#2 GC/MS
Lims Batch ID:	84486	Lims Sample ID:	24
Operator ID:	tph		

Y Scaling:



Report Date: 13-Dec-2011 09:59:39 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22939.D
Injection Date: 08-Dec-2011 22:10:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-GW-MW305-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 24
Operator ID: tph

44 1,1,1-Trichloroethane



Report Date: 13-Dec-2011 09:59:38 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22939.D

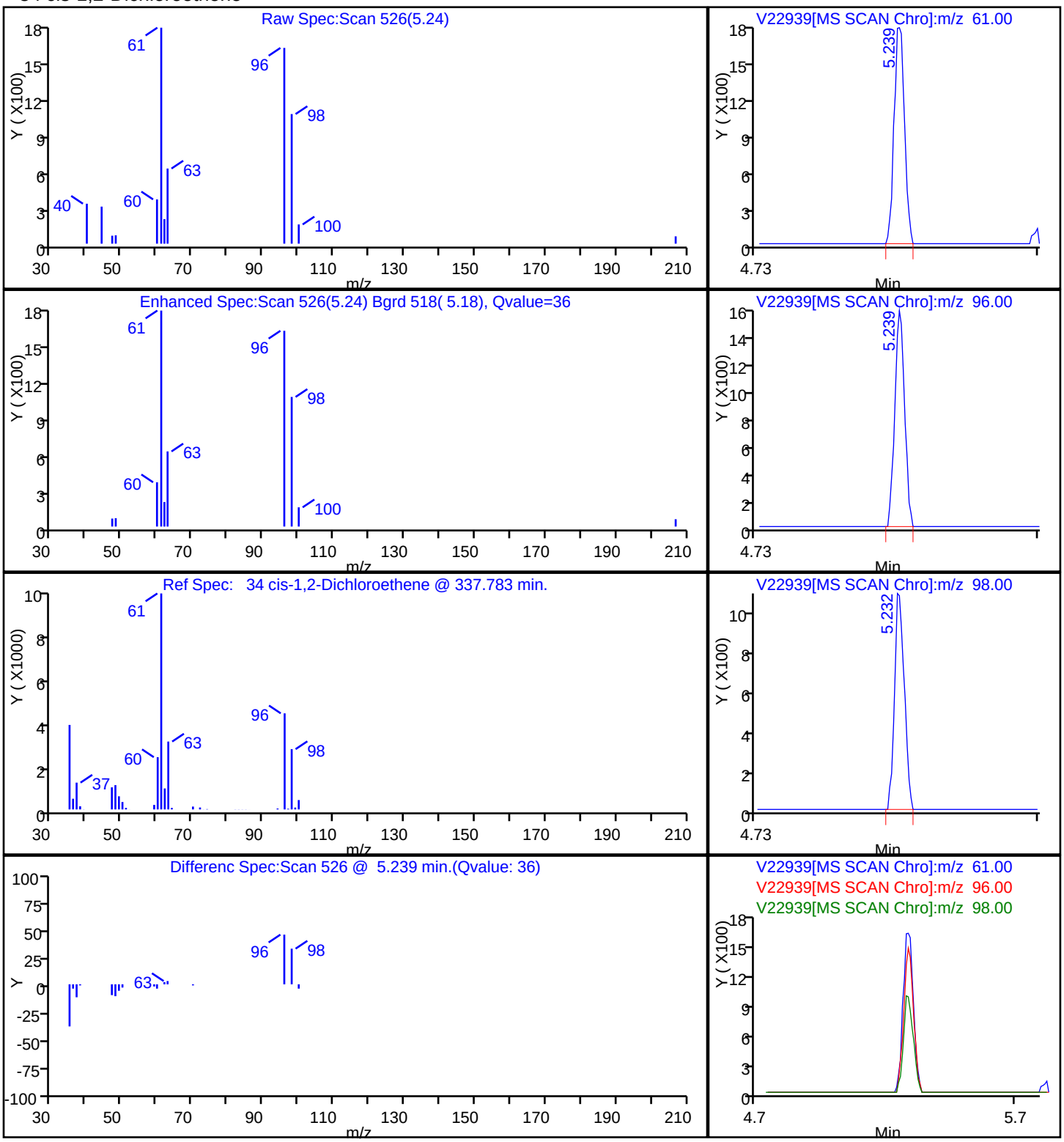
Injection Date: 08-Dec-2011 22:10:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-GW-MW305-120111 Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84486 Lims Sample ID: 24

Operator ID: tph

34 cis-1,2-Dichloroethene



Report Date: 13-Dec-2011 09:59:39 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22939.D

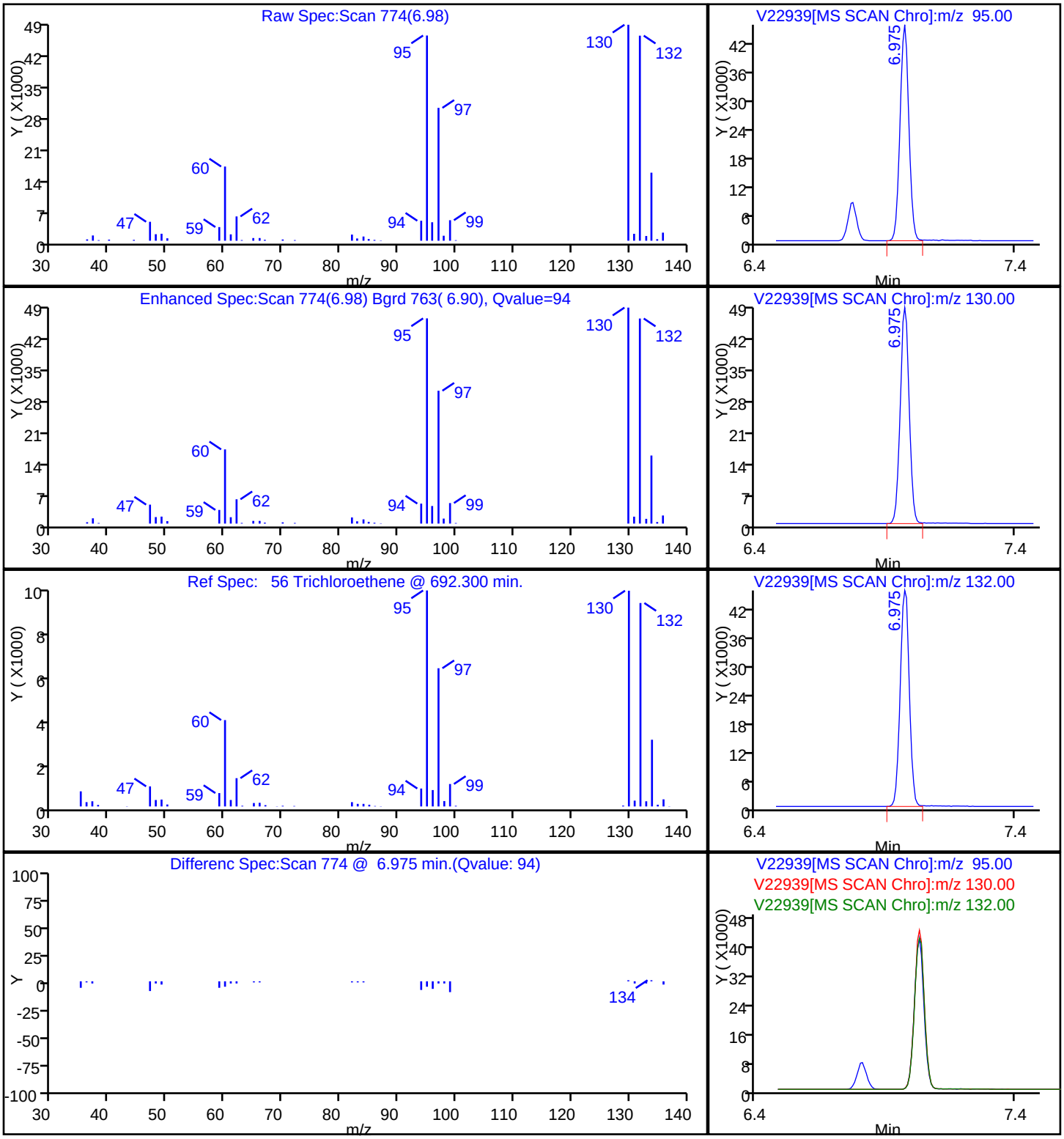
Injection Date: 08-Dec-2011 22:10:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-GW-MW305-120111 Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84486 Lims Sample ID: 24

Operator ID: tph

56 Trichloroethene



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 84017

SDG No.: 360-37900

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD03 360-84017/2	V22678.D
Level 2	STD05 360-84017/3	V22679.D
Level 3	STD1 360-84017/4	V22680.D
Level 4	STD5 360-84017/5	V22681.D
Level 5	STD10 360-84017/6	V22682.D
Level 6	STD20 360-84017/7	V22683.D
Level 7	STD40 360-84017/8	V22684.D
Level 8	STD80 360-84017/9	V22685.D
Level 9	STD160 360-84017/10	V22686.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								
Dichlorodifluoromethane	0.1976	0.1456 0.1789	0.1530 0.1676	0.1676 +++++	0.1679	Ave		0.1683				10.0		15.0			
Chloromethane	0.2486	0.2398 0.2271	0.2210 0.2289	0.2334 +++++	0.2279	Ave		0.2324			0.1000	4.0		15.0			
Vinyl chloride	0.2138	0.1895 0.1909	0.1777 0.1892	0.1901 +++++	0.1893	Ave		0.1915				5.6		15.0			
Bromomethane	0.1364	0.1169 0.1264	0.1330 0.1210	0.1271 +++++	0.1214	Ave		0.1260				5.5		15.0			
Chloroethane	0.1071	0.1283 0.0965	0.0979 0.0940	0.0987 +++++	0.0953	Ave		0.1025				12.0		15.0			
Trichlorofluoromethane	0.3074	0.2428 0.2743	0.2410 0.2684	0.2679 +++++	0.2606	Ave		0.2661				8.4		15.0			
1,1-Dichloroethene	0.2008	0.1989 0.2091	0.1804 0.1709	0.2204 +++++	0.1844	Ave		0.1950				8.9		15.0			
Carbon disulfide	0.5774	0.5315 0.6089	0.5039 0.5190	0.6235 +++++	0.5523	Ave		0.5595				8.1		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1552	0.1329 0.1511	0.1244 0.1299	0.1626 +++++	0.1344	Ave		0.1415				10.0		15.0			
Methylene Chloride	0.2746	0.4521 0.2634	0.3663 0.2393	0.2844 +++++	0.2583	Lin1	0.1169	0.2489							0.9970		0.9900
Acetone	1.3225	1.4047 1.3114	1.5249 1.2374	1.2294 +++++	1.2416	Ave		1.3246				8.2		15.0			
trans-1,2-Dichloroethene	0.3731	0.3263 0.3569	0.3030 0.3226	0.3734 +++++	0.3295	Ave		0.3407				8.0		15.0			
Methyl acetate	0.2609	0.2412 0.2675	0.2373 0.2606	0.2393 +++++	0.2432	Ave		0.2500				5.0		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
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 84017

SDG No.: 360-37900

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

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								
Methyl tert-butyl ether	0.6925	0.6862 0.6924	0.6108 0.6545	0.7034 +++++	0.6290	Ave		0.6669				5.4		15.0			
1,1-Dichloroethane	0.4586	0.4209 0.4451	0.3850 0.4114	0.4587 +++++	0.4118	Ave		0.4274			0.1000	6.5		15.0			
Acrylonitrile	0.1220	0.1214 0.1239	0.1050 0.1172	0.1218 +++++	0.1113	Ave		0.1175				5.9		15.0			
cis-1,2-Dichloroethene	0.3590	0.3451 0.3523	0.3193 0.3244	0.3684 +++++	0.3236	Ave		0.3417				5.7		15.0			
2,2-Dichloropropane	0.2459	0.2613 0.2281	0.2129 0.2035	0.2526 +++++	0.2188	Lin1	0.0316	0.2166							0.9940		0.9900
Chloroform	0.4706	0.4892 0.4565	0.4163 0.4223	0.4848 +++++	0.4238	Ave		0.4519				6.9		15.0			
Carbon tetrachloride	0.2844	0.2467 0.2809	0.2229 0.2485	0.2718 +++++	0.2454	Ave		0.2572				8.7		15.0			
Tetrahydrofuran	0.1289	0.1377 0.1287	0.1185 0.1221	0.1291 +++++	0.1181	Ave		0.1262				5.6		15.0			
1,1,1-Trichloroethane	0.3516	0.3202 0.3356	0.2801 0.2990	0.3508 +++++	0.3063	Lin1	0.0076	0.3168							0.9950		0.9900
2-Butanone (MEK)	2.4984	2.0777 2.4854	2.3019 2.3961	2.0705 +++++	2.2643	Ave		2.2992				7.7		15.0			
1,1-Dichloropropene	0.3477	0.3107 0.3331	0.2915 0.2982	0.3430 +++++	0.3097	Ave		0.3191				6.9		15.0			
Benzene	1.0027	0.9781 0.9776	0.8840 0.8953	1.0151 +++++	0.9025	Ave		0.9508				5.8		15.0			
1,2-Dichloroethane	0.2745	0.2551 0.2691	0.2512 0.2533	0.2757 +++++	0.2514	Ave		0.2615				4.3		15.0			
Methylcyclohexane	0.3374	0.2858 0.3213	0.2527 0.3054	0.3060 +++++	0.2882	Ave		0.2996				9.1		15.0			
Trichloroethene	0.2327	0.2337 0.2206	0.1992 0.2004	0.2323 +++++	0.2056	Ave		0.2178				7.2		15.0			
Dibromomethane	0.1505	0.1634 0.1508	0.1245 0.1424	0.1559 +++++	0.1413	Ave		0.1470				8.5		15.0			
1,2-Dichloropropane	0.2204	0.2110 0.2210	0.1894 0.2043	0.2212 +++++	0.2012	Ave		0.2098				5.8		15.0			
Dichlorobromomethane	0.2688	0.2553 0.2660	0.2177 0.2467	0.2755 +++++	0.2401	Ave		0.2529				7.9		15.0			
cis-1,3-Dichloropropene	0.2845 0.3204	0.2802 0.3218	0.2609 0.3057	0.3151 +++++	0.2837	Ave		0.2965				7.5		15.0			
Toluene	0.4812	0.4735 0.4697	0.4245 0.4328	0.4891 +++++	0.4259	Ave		0.4567				6.1		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
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 84017

SDG No.: 360-37900

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

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								
Tetrachloroethene	0.2366	0.2135 0.2274	0.1914 0.2046	0.2352 +++++	0.2114	Ave		0.2172				7.7		15.0			
4-Methyl-2-pentanone (MIBK)	4.0548	3.2892 3.8473	3.5316 3.6575	3.4421 +++++	3.6783	Ave		3.6430				7.0		15.0			
trans-1,3-Dichloropropene	0.2460 0.2925	0.2779 0.2939	0.2295 0.2778	0.2847 +++++	0.2629	Ave		0.2707				8.5		15.0			
1,1,2-Trichloroethane	0.1856	0.1720 0.1793	0.1685 0.1673	0.1899 +++++	0.1655	Ave		0.1754				5.5		15.0			
Chlorodibromomethane	0.2259	0.1892 0.2280	0.1676 0.2154	0.2159 +++++	0.1995	Lin1	-0.029	0.2199							0.9990		0.9900
1,3-Dichloropropane	0.3123	0.2787 0.3081	0.2595 0.2881	0.3111 +++++	0.2748	Ave		0.2904				7.1		15.0			
Ethylene Dibromide	0.2218	0.2280 0.2203	0.1804 0.2076	0.2219 +++++	0.2017	Ave		0.2117				7.8		15.0			
2-Hexanone	3.0482	2.3283 2.9125	2.5865 2.7447	2.6359 +++++	2.7376	Ave		2.7134				8.6		15.0			
Chlorobenzene	0.7845	0.7130 0.7608	0.6798 0.7152	0.8097 +++++	0.7167	Ave		0.7400			0.3000	6.2		15.0			
Ethylbenzene	1.3298	1.2420 1.2799	1.1065 1.1923	1.3359 +++++	1.1830	Ave		1.2385				6.8		15.0			
1,1,1,2-Tetrachloroethane	0.2574	0.2516 0.2573	0.2125 0.2410	0.2627 +++++	0.2291	Ave		0.2445				7.4		15.0			
m-Xylene & p-Xylene	1.0276	0.9555 1.0027	0.8563 0.9332	1.0372 +++++	0.9177	Ave		0.9615				6.8		15.0			
o-Xylene	1.0602	0.9837 1.0290	0.8569 0.9623	1.0692 +++++	0.9374	Ave		0.9855				7.6		15.0			
Styrene	0.8419	0.8088 0.8226	0.6744 0.7746	0.8103 +++++	0.7392	Ave		0.7817				7.4		15.0			
Bromoform	0.4421	0.3673 0.4556	0.3277 0.4652	0.4255 +++++	0.3826	Lin1	-0.097	0.4564			0.1000				0.9980		0.9900
Isopropylbenzene	1.2956	1.1271 1.2600	1.0279 1.1549	1.2854 +++++	1.1221	Ave		1.1819				8.5		15.0			
Bromobenzene	0.5837	0.5739 0.5717	0.5125 0.5321	0.5919 +++++	0.5211	Ave		0.5553				5.8		15.0			
N-Propylbenzene	1.5941	1.3890 1.5240	1.2880 1.3863	1.5684 +++++	1.3912	Ave		1.4487				7.9		15.0			
1,1,2,2-Tetrachloroethane	0.8335	0.8726 0.8370	0.7289 0.8084	0.8670 +++++	0.7623	Ave		0.8157			0.3000	6.5		15.0			
2-Chlorotoluene	0.9351	0.9020 0.8981	0.7771 0.8239	0.9283 +++++	0.8256	Ave		0.8700				7.0		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
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 84017

SDG No.: 360-37900

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

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								
1,2,3-Trichloropropane	0.1135	0.1174 0.1098	0.1079 0.1015	0.1129 +++++	0.1035	Ave		0.1095				5.2		15.0			
1,3,5-Trimethylbenzene	1.1133	1.0276 1.0582	0.8565 0.9616	1.0990 +++++	0.9625	Ave		1.0112				9.0		15.0			
trans-1,4-Dichloro-2-butene	0.1127	0.0995 0.1156	0.0896 0.1106	0.1047 +++++	0.0981	Ave		0.1044				8.9		15.0			
4-Chlorotoluene	0.9953	0.9195 0.9547	0.8185 0.8787	1.0079 +++++	0.8897	Ave		0.9235				7.3		15.0			
tert-Butylbenzene	0.9181	0.8357 0.8746	0.7187 0.7986	0.9047 +++++	0.7972	Ave		0.8354				8.4		15.0			
1,2,4-Trimethylbenzene	1.1247	1.0393 1.0694	0.8542 0.9746	1.1134 +++++	0.9879	Ave		1.0233				9.2		15.0			
sec-Butylbenzene	1.4103	1.2093 1.3382	1.1033 1.1985	1.3945 +++++	1.2102	Ave		1.2663				9.1		15.0			
4-Isopropyltoluene	1.1301	0.9609 1.0791	0.8267 0.9737	1.1053 +++++	0.9772	Ave		1.0076				10.0		15.0			
1,3-Dichlorobenzene	0.6710	0.6292 0.6463	0.5396 0.5814	0.6725 +++++	0.5980	Ave		0.6197				8.0		15.0			
1,4-Dichlorobenzene	1.2368	1.1825 1.2091	1.0456 1.1530	1.2928 +++++	1.1258	Ave		1.1779				6.8		15.0			
n-Butylbenzene	2.0341	1.7018 1.9834	1.5371 1.8633	2.0052 +++++	1.7722	Ave		1.8424				9.9		15.0			
1,2-Dichlorobenzene	1.1346	1.1105 1.1066	0.9555 1.0655	1.1312 +++++	1.0158	Ave		1.0742				6.2		15.0			
1,2-Dibromo-3-Chloropropane	0.1692	0.1603 0.1675	0.1336 0.1711	0.1619 +++++	0.1440	Lin1	-0.021	0.1686							0.9980		0.9900
Hexachlorobutadiene	0.2964 0.3753	0.3170 0.3604	0.2944 0.3371	0.3642 +++++	0.3154	Ave		0.3325				9.5		15.0			
1,2,4-Trichlorobenzene	0.7298	0.6649 0.7176	0.5999 0.7164	0.7234 +++++	0.6400	Ave		0.6846				7.4		15.0			
Naphthalene	2.0953	1.6991 2.1011	1.6083 2.1358	1.9535 +++++	1.7709	Lin1	-0.407	2.1061							0.9980		0.9900
1,2,3-Trichlorobenzene	0.6901	0.6059 0.6788	0.5673 0.6890	0.6705 +++++	0.5963	Ave		0.6425				7.9		15.0			
Dibromofluoromethane	0.3493	0.3466 0.3457	0.3464 0.3401	0.3499 +++++	0.3506	Ave		0.3469				1.0		15.0			
Toluene-d8 (Surr)	1.0058	0.9914 1.0107	0.9980 1.0056	0.9883 +++++	1.0012	Ave		1.0001				0.8		15.0			
4-Bromofluorobenzene	0.5046	0.4978 0.5040	0.4978 0.4988	0.5026 +++++	0.4999	Ave		0.5008				0.6		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
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 84017

SDG No.: 360-37900

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD03 360-84017/2	V22678.D
Level 2	STD05 360-84017/3	V22679.D
Level 3	STD1 360-84017/4	V22680.D
Level 4	STD5 360-84017/5	V22681.D
Level 5	STD10 360-84017/6	V22682.D
Level 6	STD20 360-84017/7	V22683.D
Level 7	STD40 360-84017/8	V22684.D
Level 8	STD80 360-84017/9	V22685.D
Level 9	STD160 360-84017/10	V22686.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
Dichlorodifluoromethane	FB	Ave	61639	1118 117399	2390 222437	13196 +++++	26916	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Chloromethane	FB	Ave	77575	1841 149000	3453 303780	18375 +++++	36539	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Vinyl chloride	FB	Ave	66699	1455 125299	2777 251057	14966 +++++	30349	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Bromomethane	FB	Ave	42545	897 82916	2078 160632	10003 +++++	19465	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Chloroethane	FB	Ave	33409	985 63349	1529 124755	7773 +++++	15278	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Trichlorofluoromethane	FB	Ave	95918	1864 179985	3765 356277	21093 +++++	41781	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,1-Dichloroethene	FB	Ave	62639	1527 137185	2819 226847	17356 +++++	29570	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Carbon disulfide	FB	Ave	180157	4080 399583	7873 688853	49093 +++++	88540	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	48421	1020 99151	1943 172445	12800 +++++	21544	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Methylene Chloride	FB	Lin1	85683	3470 172813	5724 317686	22390 +++++	41406	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Acetone	12DC E	Ave	267524	7221 558688	15707 1101065	63614 +++++	134932	200	5.00 400	10.0 800	50.0 +++++	100
trans-1,2-Dichloroethene	FB	Ave	116395	2505 234214	4735 428148	29397 +++++	52823	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Methyl acetate	FB	Ave	813967	18511 1755414	37082 3458862	188396 +++++	389933	200	5.00 400	10.0 800	50.0 +++++	100
Methyl tert-butyl ether	FB	Ave	216055	5267 454343	9543 868720	55379 +++++	100838	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 84017

SDG No.: 360-37900

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
1,1-Dichloroethane	FB	Ave	143070	3231 292091	6016 545984	36113 +++++	66026	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Acrylonitrile	FB	Ave	38067	932 81302	1641 155535	9588 +++++	17848	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
cis-1,2-Dichloroethene	FB	Ave	112005	2649 231198	4989 430636	29009 +++++	51887	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
2,2-Dichloropropane	FB	Lin1	76713	2006 149668	3326 270083	19887 +++++	35079	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Chloroform	FB	Ave	146837	3755 299536	6505 560488	38173 +++++	67943	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Carbon tetrachloride	FB	Ave	88722	1894 184348	3483 329841	21403 +++++	39338	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Tetrahydrofuran	FB	Ave	402230	10571 844479	18518 1620613	101621 +++++	189420	200	5.00 400	10.0 800	50.0 +++++	100
1,1,1-Trichloroethane	FB	Lin1	109695	2458 220245	4376 396902	27620 +++++	49100	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
2-Butanone (MEK)	12DCE	Ave	505385	10681 1058823	23711 2132029	107135 +++++	246081	200	5.00 400	10.0 800	50.0 +++++	100
1,1-Dichloropropene	FB	Ave	108483	2385 218587	4554 395840	27005 +++++	49648	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Benzene	FB	Ave	312857	7508 641481	13812 1188261	79923 +++++	144701	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2-Dichloroethane	FB	Ave	85637	1958 176577	3925 336218	21703 +++++	40308	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Methylcyclohexane	FB	Ave	105284	2194 210842	3949 405337	24092 +++++	46211	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Trichloroethene	FB	Ave	72601	1794 144751	3113 265984	18291 +++++	32968	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Dibromomethane	FB	Ave	46960	1254 98987	1945 189020	12273 +++++	22651	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2-Dichloropropane	FB	Ave	68753	1620 145047	2960 271198	17413 +++++	32253	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Dichlorobromomethane	FB	Ave	83865	1960 174576	3401 327461	21691 +++++	38501	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
cis-1,3-Dichloropropene	FB	Ave	1331 99961	2151 211163	4077 405740	24810 +++++	45478	0.300 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Toluene	FB	Ave	150149	3635 308222	6632 574457	38512 +++++	68280	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Tetrachloroethene	FB	Ave	73812	1639 149227	2991 271605	18516 +++++	33892	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
4-Methyl-2-pentanone (MIBK)	12DCE	Ave	820204	16909 1639012	36377 3254440	178102 +++++	399763	200	5.00 400	10.0 800	50.0 +++++	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 84017

SDG No.: 360-37900

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
trans-1,3-Dichloropropene	FB	Ave	1151 91255	2133 192870	3586 368762	22416 +++++	42149	0.300 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,1,2-Trichloroethane	FB	Ave	 57907	1320 117637	2632 222032	14948 +++++	26538	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Chlorodibromomethane	FB	Lin1	 70474	1452 149592	2618 285921	16997 +++++	31987	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,3-Dichloropropane	FB	Ave	 97446	2139 202196	4055 382410	24491 +++++	44063	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Ethylene Dibromide	FB	Ave	 69192	1750 144558	2819 275524	17472 +++++	32338	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
2-Hexanone	12DCE	Ave	 616584	11969 1240778	26642 2442235	136386 +++++	297519	 200	5.00 400	10.0 800	50.0 +++++	100
Chlorobenzene	CBZ	Ave	 175465	3947 355278	7652 665517	45781 +++++	82230	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Ethylbenzene	CBZ	Ave	 297412	6875 597705	12454 1109496	75535 +++++	135735	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	 57576	1393 120160	2392 224255	14855 +++++	26286	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
m-Xylene & p-Xylene	CBZ	Ave	 459662	10578 936530	19277 1736779	117285 +++++	210585	 40.0	1.00 80.0	2.00 160	10.0 +++++	20.0
o-Xylene	CBZ	Ave	 237115	5445 480528	9645 895407	60453 +++++	107551	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Styrene	CBZ	Ave	 188305	4477 384176	7591 720802	45814 +++++	84811	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Bromoform	DCB	Lin1	 54823	1102 115519	1990 224549	13077 +++++	23968	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Isopropylbenzene	CBZ	Ave	 289772	6239 588427	11569 1074704	72677 +++++	128747	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Bromobenzene	CBZ	Ave	 130547	3177 266998	5769 495093	33466 +++++	59788	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
N-Propylbenzene	CBZ	Ave	 356523	7689 711686	14497 1290025	88679 +++++	159615	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	 103357	2618 212204	4426 390183	26645 +++++	47752	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
2-Chlorotoluene	CBZ	Ave	 209144	4993 419391	8747 766656	52486 +++++	94730	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2,3-Trichloropropane	CBZ	Ave	 25385	650 51273	1214 94445	6383 +++++	11874	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	 249000	5688 494180	9640 894759	62137 +++++	110435	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
trans-1,4-Dichloro-2-butene	CBZ	Ave	 25205	551 53992	1009 102929	5919 +++++	11250	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 84017

SDG No.: 360-37900

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
4-Chlorotoluene	CBZ	Ave	222600	5090 445830	9213 817626	56991 +++++	102077	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
tert-Butylbenzene	CBZ	Ave	205338	4626 408449	8089 743108	51152 +++++	91472	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2,4-Trimethylbenzene	CBZ	Ave	251540	5753 499407	9614 906856	62954 +++++	113346	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
sec-Butylbenzene	CBZ	Ave	315427	6694 624957	12418 1115253	78847 +++++	138848	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
4-Isopropyltoluene	CBZ	Ave	252754	5319 503961	9305 906043	62494 +++++	112120	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,3-Dichlorobenzene	CBZ	Ave	150083	3483 301824	6073 541007	38022 +++++	68612	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,4-Dichlorobenzene	DCB	Ave	153366	3548 306536	6349 556479	39729 +++++	70523	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
n-Butylbenzene	DCB	Ave	252236	5106 502849	9334 899329	61624 +++++	111015	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2-Dichlorobenzene	DCB	Ave	140697	3332 280566	5802 514271	34762 +++++	63634	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1	20980	481 42470	811 82563	4975 +++++	9018	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Hexachlorobutadiene	DCB	Ave	530 46539	951 91374	1788 162715	11191 +++++	19758	0.300 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2,4-Trichlorobenzene	DCB	Ave	90494	1995 181922	3643 345793	22232 +++++	40090	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Naphthalene	DCB	Lin1	259829	5098 532692	9766 1030854	60035 +++++	110934	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2,3-Trichlorobenzene	DCB	Ave	85572	1818 172087	3445 332524	20607 +++++	37351	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Dibromofluoromethane	FB	Ave	108981	106432 113437	108249 112852	110188 +++++	112419	20.0	20.0 20.0	20.0 20.0	20.0 +++++	20.0
Toluene-d8 (Surr)	FB	Ave	313816	304402 331595	311880 333690	311239 +++++	321042	20.0	20.0 20.0	20.0 20.0	20.0 +++++	20.0
4-Bromofluorobenzene	CBZ	Ave	112860	110225 117688	112051 116034	113677 +++++	114713	20.0	20.0 20.0	20.0 20.0	20.0 +++++	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Report Date: 01-Dec-2011 11:15:04 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22678.D
Lims ID: STD03 Client ID:
Inject. Date: 29-Nov-2011 19:37:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD03
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 84017 Lims Sample ID: 2
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:15:02 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:15:02

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	29	613	0.2335	
2 Chloromethane	1	50	1.879	1.879	0.0	52	1164	0.3212	
3 Vinyl chloride	1	62	1.962	1.955	0.007	39	827	0.2769	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	897	0	
5 Bromomethane	1	94	2.268	2.261	0.007	26	654	0.3328	
6 Chloroethane	1	64	2.386	2.386	0.0	49	678	0.4239	
7 Trichlorofluoromethane	1	101	2.504	2.518	-0.014	38	1110	0.2675	
8 Dichlorofluoromethane	1	67	2.573	2.566	0.007	6	1462	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	71	894	0	
10 Ethanol	1	45	2.948	2.934	0.014	53	972	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	20	843	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	59	910	0.2992	
13 Carbon disulfide	1	76	3.059	3.059	0.0	95	2361	0.2706	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	1	543	0.2461	
15 Iodomethane	1	142	3.184	3.184	0.0	74	1494	0	
16 Acrolein	1	56	3.392	3.385	0.007	88	9312	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	47	693	0	
18 Isopropyl alcohol	1	45	3.559	3.552	0.007	77	5847	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	83	2376	0.1423	
20 Acetone	1	43	3.726	3.726	0.0	89	5150	3.69	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	13	1537	0.2893	
22 Methyl acetate	1	43	3.878	3.871	0.007	91	10606	2.72	
23 Hexane	1	57	3.955	3.962	-0.007	53	1928	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	64	3158	0.3036	
25 2-Methyl-2-propanol	1	59	4.087	4.087	0.0	43	1620	0	
26 Acetonitrile	1	40	4.274	4.288	-0.014	83	481	0	
27 Isopropyl ether	1	45	4.441	4.441	0.0	84	3404	0	
28 1,1-Dichloroethane	1	63	4.593	4.600	-0.007	22	1930	0.2896	
29 Acrylonitrile	1	53	4.656	4.663	-0.007	60	506	0.2761	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.670	4.663	0.007	1	826	0	
S 31 1,2-Dichloroethene, Total	1	1				0		0.5718	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	30	3093	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	96	16222	0	
34 cis-1,2-Dichloroethene	1	61	5.246	5.239	0.007	14	1506	0.2825	
35 2,2-Dichloropropane	1	77	5.378	5.371	0.007	41	1123	0.1865	
36 Chlorobromomethane	1	130	5.489	5.475	0.014	1	618	0	M
37 Cyclohexane	1	56	5.475	5.482	-0.007	16	1486	0	
38 Chloroform	1	83	5.565	5.565	0.0	40	2052	0.2911	
39 Ethyl acetate	1	43	5.725	5.718	0.007	97	16152	0	
41 Carbon tetrachloride	1	117	5.718	5.732	-0.014	4	1201	0.2993	M
40 Tetrahydrofuran	1	42	5.760	5.753	0.007	46	6635	3.37	
42 sec-Butyl Alcohol	1	59	5.774	5.767	0.007	9	1296	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	72	108140	20.0	
44 1,1,1-Trichloroethane	1	97	5.822	5.822	0.0	49	1569	0.2935	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	90	7253	3.00	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	37	1411	0.2835	
47 n-Heptane	1	43	6.232	6.225	0.007	57	1435	0	
48 Benzene	1	78	6.266	6.266	0.0	80	4301	0.2900	
50 Propionitrile	1	54	6.426	6.405	0.021	21	162	0	
49 Tert-amyl methyl ether	1	73	6.405	6.412	-0.007	28	2986	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	21057	20.0	
52 1,2-Dichloroethane	1	62	6.523	6.516	0.007	1	1188	0.2913	
* 53 Fluorobenzene	1	96	6.774	6.774	0.0	99	311937	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	1	599	0	
54 Isopropyl acetate	1	43	6.836	6.829	0.007	48	15816	0	
57 Methylcyclohexane	1	83	6.961	6.961	0.0	56	1123	0.2404	
56 Trichloroethene	1	95	6.975	6.975	0.0	48	1095	0.3223	
58 2,4,4-Trimethyl-2-pentene	1	55	7.045	7.038	0.007	37	1528	0	
59 Dibromomethane	1	93	7.510	7.517	-0.007	51	673	0.2936	
S 61 1,3-Dichloropropene, Total	1	1				0		0.5604	
60 1,2-Dichloropropane	1	63	7.670	7.663	0.007	15	812	0.2482	
62 Dichlorobromomethane	1	83	7.747	7.754	-0.007	13	1011	0.2563	
63 Methyl methacrylate	1	69	8.018	8.004	0.014	23	720	0	
64 1,4-Dioxane (SIM)	2	88	8.057	8.050	0.007	0	123	0	
65 1,4-Dioxane	1	88		8.052					
66 n-Propyl acetate	1	43	8.233	8.233	0.0	96	12609	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	77	5377	0	
68 cis-1,3-Dichloropropene	1	75	8.768	8.761	0.007	20	1331	0.2878	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	310158	19.9	
70 Toluene	1	92	9.199	9.192	0.007	65	2469	0.3466	
72 2-Nitropropane	1	39	9.588	9.581	0.007	55	1319	0	
73 sec-Butyl acetate	1	43	9.588	9.581	0.007	91	17231	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	54	890	0.2628	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.839	9.839	0.0	93	10078	2.63	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	16	1151	0.2727	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	95	18089	0	
78 1,1,2-Trichloroethane	1	83	10.103	10.110	-0.007	23	745	0.2723	
79 Ethyl methacrylate	1	69	10.144	10.151	-0.007	1	1140	0	M
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	17	843	0.3769	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	50	1360	0.3003	
82 Ethylene Dibromide	1	107	10.645	10.652	-0.007	28	971	0.2941	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.902	10.895	0.007	95	14185	0	
84 2-Hexanone	1	43	10.999	10.992	0.007	94	7325	2.56	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	86	224971	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	38	2425	0.2913	
87 Ethylbenzene	1	91	11.375	11.375	0.0	24	4011	0.2879	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	33	735	0.2672	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	93	6342	0.5864	
S 71 Xylenes, Total	1	1				0		0.8741	
90 o-Xylene	1	91	12.042	12.035	0.007	73	3189	0.2877	
91 Styrene	1	104	12.097	12.097	0.0	47	2475	0.2815	
92 Bromoform	1	173	12.104	12.104	0.0	13	652	0.4524	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	65	3578	0.2691	
$ 94 BFB	1	95	12.667	12.667	0.0	93	111039	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	93	111039	19.7	
96 cis-1,4-Dichloro-2-butene	1	88	12.744	12.751	-0.007	0	304	0	
97 Bromobenzene	1	77	12.765	12.765	0.0	66	1927	0.3085	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	66	4560	0.2798	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	24	1275	0.2622	
100 2-Chlorotoluene	1	91	12.966	12.959	0.007	61	2713	0.2772	
102 1,2,3-Trichloropropane	1	110	13.022	13.015	0.007	28	346	0.2809	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	65	2990	0.2629	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	1	290	0.2469	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	60	2655	0.2556	
105 tert-Butylbenzene	1	119	13.328	13.328	0.0	66	2480	0.2639	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	69	3149	0.2736	
107 sec-Butylbenzene	1	105	13.494	13.501	-0.007	54	3692	0.2592	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	69	2848	0.2513	
109 1,3-Dichlorobenzene	1	146	13.703	13.696	0.007	41	1995	0.2862	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	95	119214	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	35	2104	0.2997	
112 n-Butylbenzene	1	91	14.030	14.030	0.0	68	2867	0.2611	
113 Hexachloroethane	1	117	14.148	14.148	0.0	41	487	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.169	0.006	56	1928	0.3011	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	1	253	0.3788	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	32	1231	0	
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225	15.461	15.454	0.007	1	530	0.2674	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	26	1052	0.2578	
120 Naphthalene	1	128	15.781	15.774	0.007	57	3295	0.4557	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	31	1063	0.2775	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 01-Dec-2011 11:15:04 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22678.D

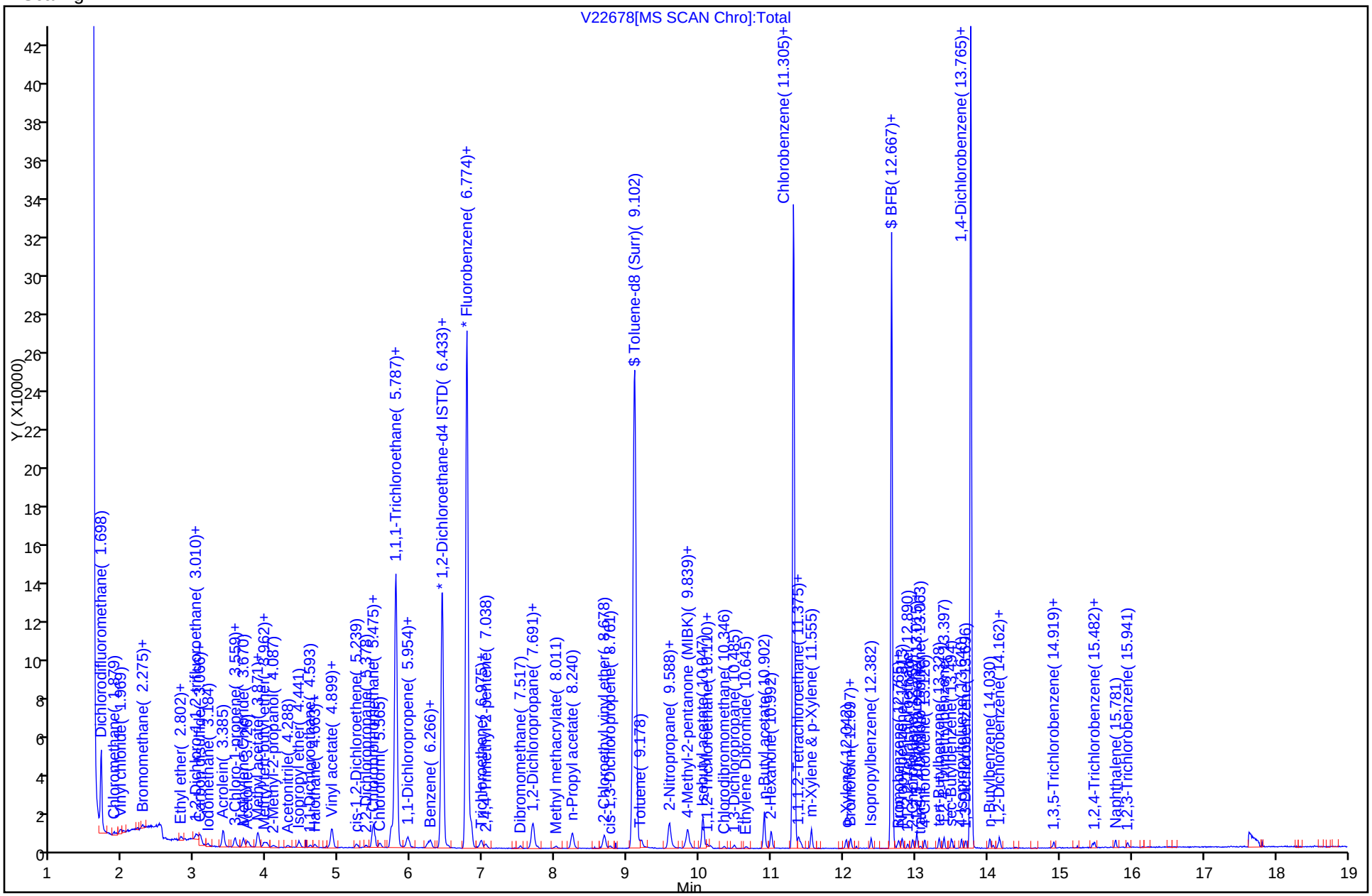
Injection Date: 29-Nov-2011 19:37:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 2

Operator ID: tph

Y Scaling:



Report Date: 01-Dec-2011 11:15:18 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22679.D
Lims ID: STD05 Client ID:
Inject. Date: 29-Nov-2011 19:59:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD05
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 84017 Lims Sample ID: 3
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:15:16 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:15:16

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	63	1118	0.4327	
2 Chloromethane	1	50	1.879	1.879	0.0	75	1841	0.5160	
3 Vinyl chloride	1	62	1.962	1.955	0.007	63	1455	0.4949	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	1493	0	
5 Bromomethane	1	94	2.268	2.261	0.007	59	897	0.4637	
6 Chloroethane	1	64	2.393	2.386	0.007	65	985	0.6257	
7 Trichlorofluoromethane	1	101	2.511	2.518	-0.007	41	1864	0.4563	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	54	2441	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	80	1381	0	
10 Ethanol	1	45	2.934	2.934	0.0	90	1222	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.011	3.010	0.001	49	1289	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	71	1527	0.5101	
13 Carbon disulfide	1	76	3.059	3.059	0.0	67	4080	0.4750	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.066	3.073	-0.007	1	1020	0.4696	
15 Iodomethane	1	142	3.184	3.184	0.0	80	2453	0	
16 Acrolein	1	56	3.392	3.385	0.007	87	16258	0	
17 3-Chloro-1-propene	1	76	3.545	3.552	-0.007	49	849	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	88	7752	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	80	3470	0.4384	
20 Acetone	1	43	3.733	3.726	0.007	97	7221	5.30	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	19	2505	0.4789	
22 Methyl acetate	1	43	3.878	3.871	0.007	98	18511	4.82	
23 Hexane	1	57	3.962	3.962	0.0	62	3273	0	
24 Methyl tert-butyl ether	1	73	3.996	3.989	0.007	57	5267	0.5144	
25 2-Methyl-2-propanol	1	59	4.094	4.087	0.007	47	2644	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	93	1509	0	
27 Isopropyl ether	1	45	4.441	4.441	0.0	88	5623	0	
28 1,1-Dichloroethane	1	63	4.593	4.600	-0.007	36	3231	0.4925	
29 Acrylonitrile	1	53	4.663	4.663	0.0	76	932	0.5166	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.670	4.663	0.007	29	1476	0	
S 31 1,2-Dichloroethene, Total	1	1				0		0.9838	
33 Tert-butyl ethyl ether	1	59	4.878	4.885	-0.007	57	5378	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	27281	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	42	2649	0.5049	
35 2,2-Dichloropropane	1	77	5.378	5.371	0.007	53	2006	0.4574	
36 Chlorobromomethane	1	130	5.482	5.475	0.007	36	1559	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	38	2534	0	
38 Chloroform	1	83	5.565	5.565	0.0	53	3755	0.5412	
39 Ethyl acetate	1	43	5.725	5.718	0.007	98	24881	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	4	1894	0.4796	
40 Tetrahydrofuran	1	42	5.760	5.753	0.007	57	10571	5.46	
42 sec-Butyl Alcohol	1	59	5.774	5.767	0.007	15	2237	0	
$ 43 Dibromofluoromethane	1	113	5.788	5.787	0.001	70	106432	20.0	
44 1,1,1-Trichloroethane	1	97	5.815	5.822	-0.007	1	2458	0.4813	
45 2-Butanone (MEK)	1	43	5.947	5.940	0.007	91	10681	4.52	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	65	2385	0.4868	
47 n-Heptane	1	43	6.232	6.225	0.007	78	2164	0	
48 Benzene	1	78	6.267	6.266	0.001	93	7508	0.5144	
50 Propionitrile	1	54	6.433	6.405	0.028	1	131	0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	39	5174	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	20563	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	1	1958	0.4878	
* 53 Fluorobenzene	1	96	6.774	6.774	0.0	99	307043	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.808	6.822	-0.014	0	1598	0	M
54 Isopropyl acetate	1	43	6.829	6.829	0.0	65	27055	0	
57 Methylcyclohexane	1	83	6.961	6.961	0.0	62	2194	0.4771	
56 Trichloroethene	1	95	6.975	6.975	0.0	64	1794	0.5365	
58 2,4,4-Trimethyl-2-pentene	1	55	7.031	7.038	-0.007	65	2427	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	75	1254	0.5558	
S 61 1,3-Dichloropropene, Total	1	1				0		0.9858	
60 1,2-Dichloropropane	1	63	7.656	7.663	-0.007	35	1620	0.5030	
62 Dichlorobromomethane	1	83	7.747	7.754	-0.007	44	1960	0.5049	
63 Methyl methacrylate	1	69	8.011	8.004	0.007	33	1203	0	
64 1,4-Dioxane (SIM)	2	88	8.057	8.050	0.007	0	239	0	
65 1,4-Dioxane	1	88		8.052					
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	20855	0	
67 2-Chloroethyl vinyl ether	1	63	8.685	8.678	0.007	81	9524	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	29	2151	0.4725	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	304402	19.8	
70 Toluene	1	92	9.185	9.192	-0.007	64	3635	0.5185	
72 2-Nitropropane	1	39	9.581	9.581	0.0	55	2062	0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	97	29169	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	57	1639	0.4916	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.839	9.839	0.0	89	16909	4.51	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	36	2133	0.5133	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	31552	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.110	0.0	31	1320	0.4901	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	39	1879	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	29	1452	0.5613	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	60	2139	0.4798	
82 Ethylene Dibromide	1	107	10.645	10.652	-0.007	35	1750	0.5385	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.902	10.895	0.007	98	23353	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	95	11969	4.29	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	86	221419	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	38	3947	0.4818	
87 Ethylbenzene	1	91	11.375	11.375	0.0	30	6875	0.5014	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	37	1393	0.5146	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	95	10578	0.99	
S 71 Xylenes, Total	1	1				0		1.49	
90 o-Xylene	1	91	12.042	12.035	0.007	87	5445	0.4991	
91 Styrene	1	104	12.097	12.097	0.0	64	4477	0.5173	
92 Bromoform	1	173	12.104	12.104	0.0	34	1102	0.6151	
93 Isopropylbenzene	1	105	12.389	12.382	0.007	73	6239	0.4768	
$ 94 BFB	1	95	12.667	12.667	0.0	93	110225	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	93	110225	19.9	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	439	0	
97 Bromobenzene	1	77	12.765	12.765	0.0	77	3177	0.5168	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	70	7689	0.4794	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	32	2618	0.5349	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	87	4993	0.5184	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	32	650	0.5362	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	69	5688	0.5081	
103 trans-1,4-Dichloro-2-butene	1	53	13.064	13.063	0.001	1	551	0.4767	
104 4-Chlorotoluene	1	91	13.133	13.126	0.007	76	5090	0.4979	
105 tert-Butylbenzene	1	119	13.328	13.328	0.0	71	4626	0.5002	
106 1,2,4-Trimethylbenzene	1	105	13.390	13.397	-0.007	80	5753	0.5078	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	69	6694	0.4775	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	80	5319	0.4768	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	68	3483	0.5077	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	94	120015	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	36	3548	0.5020	
112 n-Butylbenzene	1	91	14.030	14.030	0.0	83	5106	0.4618	
113 Hexachloroethane	1	117	14.148	14.148	0.0	67	842	0	
114 1,2-Dichlorobenzene	1	146	14.176	14.169	0.007	78	3332	0.5169	
115 1,2-Dibromo-3-Chloropropane	1	157	14.891	14.898	-0.007	1	481	0.6025	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	61	2085	0	
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225	15.461	15.454	0.007	28	951	0.4766	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	54	1995	0.4856	
120 Naphthalene	1	128	15.774	15.774	0.0	77	5098	0.5966	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	56	1818	0.4715	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 01-Dec-2011 11:15:18 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22679.D

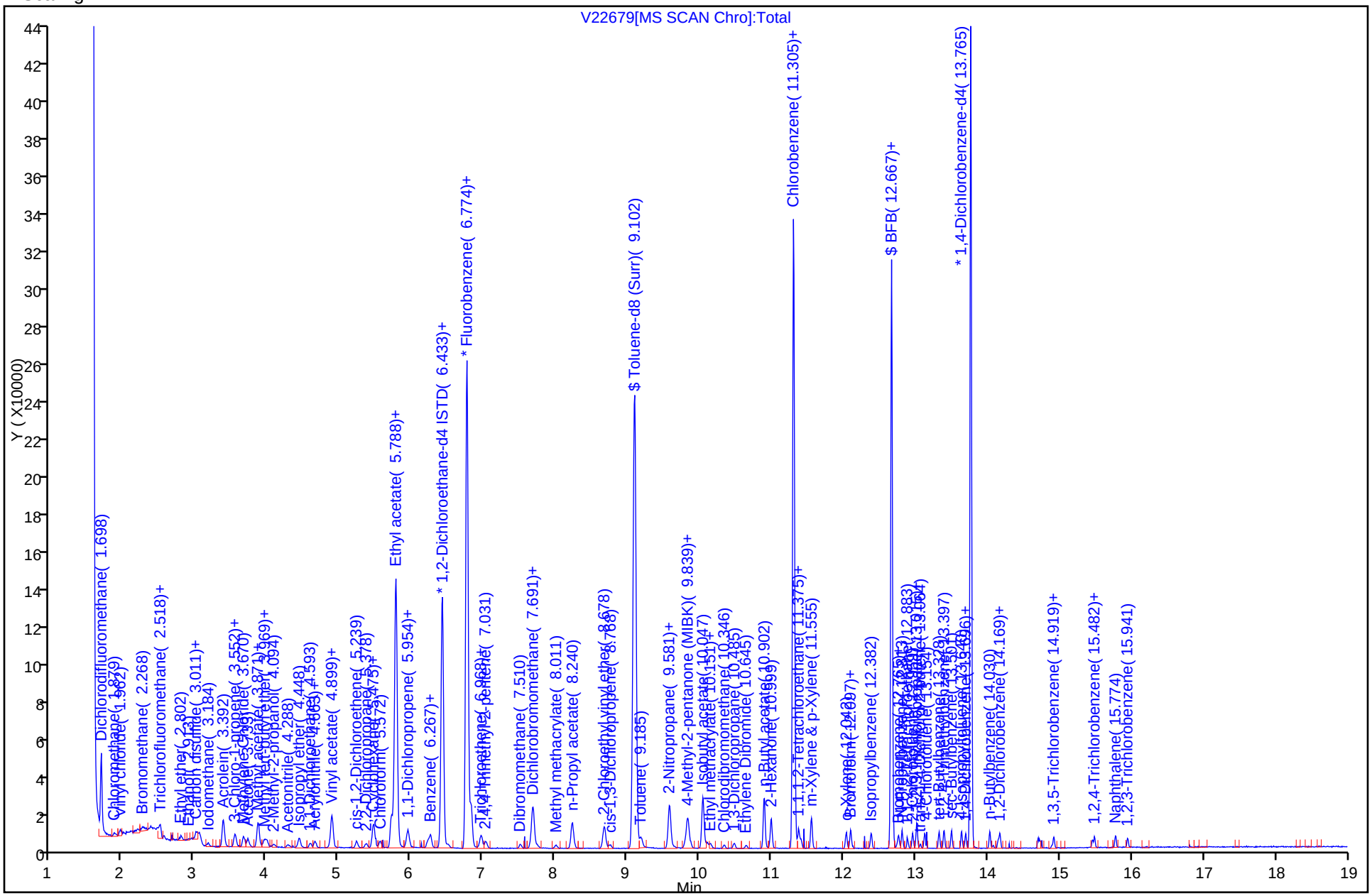
Injection Date: 29-Nov-2011 19:59:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 3

Operator ID: tph

Y Scaling:



Report Date: 01-Dec-2011 11:15:31 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22680.D
Lims ID: STD1 Client ID:
Inject. Date: 29-Nov-2011 20:21:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD1
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 84017 Lims Sample ID: 4
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:15:29 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:15:29

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	52	2390	0.9088	
2 Chloromethane	1	50	1.872	1.879	-0.007	94	3453	0.9510	
3 Vinyl chloride	1	62	1.955	1.955	0.0	66	2777	0.9281	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	2970	0	
5 Bromomethane	1	94	2.268	2.261	0.007	78	2078	1.06	
6 Chloroethane	1	64	2.392	2.386	0.006	57	1529	0.9543	
7 Trichlorofluoromethane	1	101	2.524	2.518	0.006	65	3765	0.9057	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	60	4523	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	82	2455	0	
10 Ethanol	1	45	2.934	2.934	0.0	94	1985	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	59	2506	0	
12 1,1-Dichloroethene	1	96	3.017	3.024	-0.007	81	2819	0.9253	
13 Carbon disulfide	1	76	3.059	3.059	0.0	70	7873	0.9006	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.066	3.073	-0.007	1	1943	0.8789	
15 Iodomethane	1	142	3.184	3.184	0.0	95	4921	0	
16 Acrolein	1	56	3.385	3.385	0.0	89	35675	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	64	1795	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	88	14569	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	83	5724	1.00	
20 Acetone	1	43	3.732	3.726	0.006	95	15707	11.5	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	32	4735	0.8895	
22 Methyl acetate	1	43	3.878	3.871	0.007	99	37082	9.49	
23 Hexane	1	57	3.955	3.962	-0.007	53	6179	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	77	9543	0.9158	
25 2-Methyl-2-propanol	1	59	4.086	4.087	-0.001	90	4937	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	94	2578	0	
27 Isopropyl ether	1	45	4.447	4.441	0.006	93	10304	0	
28 1,1-Dichloroethane	1	63	4.586	4.600	-0.014	47	6016	0.9010	
29 Acrylonitrile	1	53	4.670	4.663	0.007	60	1641	0.8937	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	55	2932	0	
S 31 1,2-Dichloroethene, Total	1	1				0		1.82	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	39	9503	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	58094	0	
34 cis-1,2-Dichloroethene	1	61	5.246	5.239	0.007	43	4989	0.9343	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	75	3326	0.8370	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	48	2710	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	55	4601	0	
38 Chloroform	1	83	5.565	5.565	0.0	48	6505	0.9212	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	47458	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	9	3483	0.8666	
40 Tetrahydrofuran	1	42	5.760	5.753	0.007	70	18518	9.39	
42 sec-Butyl Alcohol	1	59	5.773	5.767	0.006	22	4390	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	72	108249	20.0	
44 1,1,1-Trichloroethane	1	97	5.822	5.822	0.0	5	4376	0.8599	
45 2-Butanone (MEK)	1	43	5.947	5.940	0.007	99	23711	10.0	
46 1,1-Dichloropropene	1	75	5.961	5.968	-0.007	57	4554	0.9133	
47 n-Heptane	1	43	6.239	6.225	0.014	86	4404	0	
48 Benzene	1	78	6.266	6.266	0.0	92	13812	0.9298	
50 Propionitrile	1	54	6.440	6.405	0.035	1	97	0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	41	8957	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	20601	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	6	3925	0.9608	
* 53 Fluorobenzene	1	96	6.773	6.774	-0.001	99	312495	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	17	2062	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	82	53706	0	
57 Methylcyclohexane	1	83	6.968	6.961	0.007	74	3949	0.8437	
56 Trichloroethene	1	95	6.968	6.975	-0.007	62	3113	0.9148	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	56	4361	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	79	1945	0.8470	
S 61 1,3-Dichloropropene, Total	1	1				0		1.73	
60 1,2-Dichloropropane	1	63	7.656	7.663	-0.007	43	2960	0.9030	
62 Dichlorobromomethane	1	83	7.753	7.754	-0.001	63	3401	0.8607	
63 Methyl methacrylate	1	69	8.018	8.004	0.014	66	2042	0	
64 1,4-Dioxane (SIM)	2	88	8.057	8.050	0.007	0	405	0	
65 1,4-Dioxane	1	88		8.052					
66 n-Propyl acetate	1	43	8.233	8.233	0.0	99	42178	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	88	20116	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	41	4077	0.8799	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	311880	20.0	
70 Toluene	1	92	9.192	9.192	0.0	68	6632	0.9294	
72 2-Nitropropane	1	39	9.581	9.581	0.0	59	3832	0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	98	59370	0	
74 Tetrachloroethene	1	166	9.811	9.804	0.007	44	2991	0.8815	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.838	9.839	-0.001	97	36377	9.69	
76 trans-1,3-Dichloropropene	1	75	9.873	9.880	-0.007	44	3586	0.8480	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	64793	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.110	0.0	44	2632	0.9603	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	62	3903	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	57	2618	0.8932	
81 1,3-Dichloropropane	1	76	10.478	10.485	-0.007	72	4055	0.8937	
82 Ethylene Dibromide	1	107	10.645	10.652	-0.007	68	2819	0.8524	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	45222	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	96	26642	9.53	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	86	225110	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	43	7652	0.9188	
87 Ethylbenzene	1	91	11.374	11.375	-0.001	15	12454	0.8934	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	50	2392	0.8691	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	97	19277	1.78	
S 71 Xylenes, Total	1	1				0		2.65	
90 o-Xylene	1	91	12.035	12.035	0.0	90	9645	0.8695	
91 Styrene	1	104	12.097	12.097	0.0	73	7591	0.8628	
92 Bromoform	1	173	12.104	12.104	0.0	21	1990	0.9307	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	92	11569	0.8697	
$ 94 BFB	1	95	12.667	12.667	0.0	93	112051	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	93	112051	19.9	
96 cis-1,4-Dichloro-2-butene	1	88	12.744	12.751	-0.007	0	1017	0	
97 Bromobenzene	1	77	12.765	12.765	-0.001	75	5769	0.9230	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	72	14497	0.8891	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	73	4426	0.8936	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	90	8747	0.8932	
102 1,2,3-Trichloropropane	1	110	13.008	13.015	-0.007	46	1214	0.9851	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	76	9640	0.8470	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	1	1009	0.8586	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	85	9213	0.8864	
105 tert-Butylbenzene	1	119	13.327	13.328	-0.001	77	8089	0.8603	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	90	9614	0.8347	
107 sec-Butylbenzene	1	105	13.494	13.501	-0.007	86	12418	0.8712	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	91	9305	0.8205	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	87	6073	0.8707	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	94	121448	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	38	6349	0.8876	
112 n-Butylbenzene	1	91	14.029	14.030	-0.001	87	9334	0.8343	
113 Hexachloroethane	1	117	14.148	14.148	0.0	73	1526	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.169	0.006	88	5802	0.8894	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	40	811	0.9193	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	80	4123	0	
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	50	1788	0.8855	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	68	3643	0.8764	
120 Naphthalene	1	128	15.774	15.774	0.0	90	9766	0.9568	
121 1,2,3-Trichlorobenzene	1	180	15.941	15.948	-0.007	75	3445	0.8829	

Report Date: 01-Dec-2011 11:15:31 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22680.D

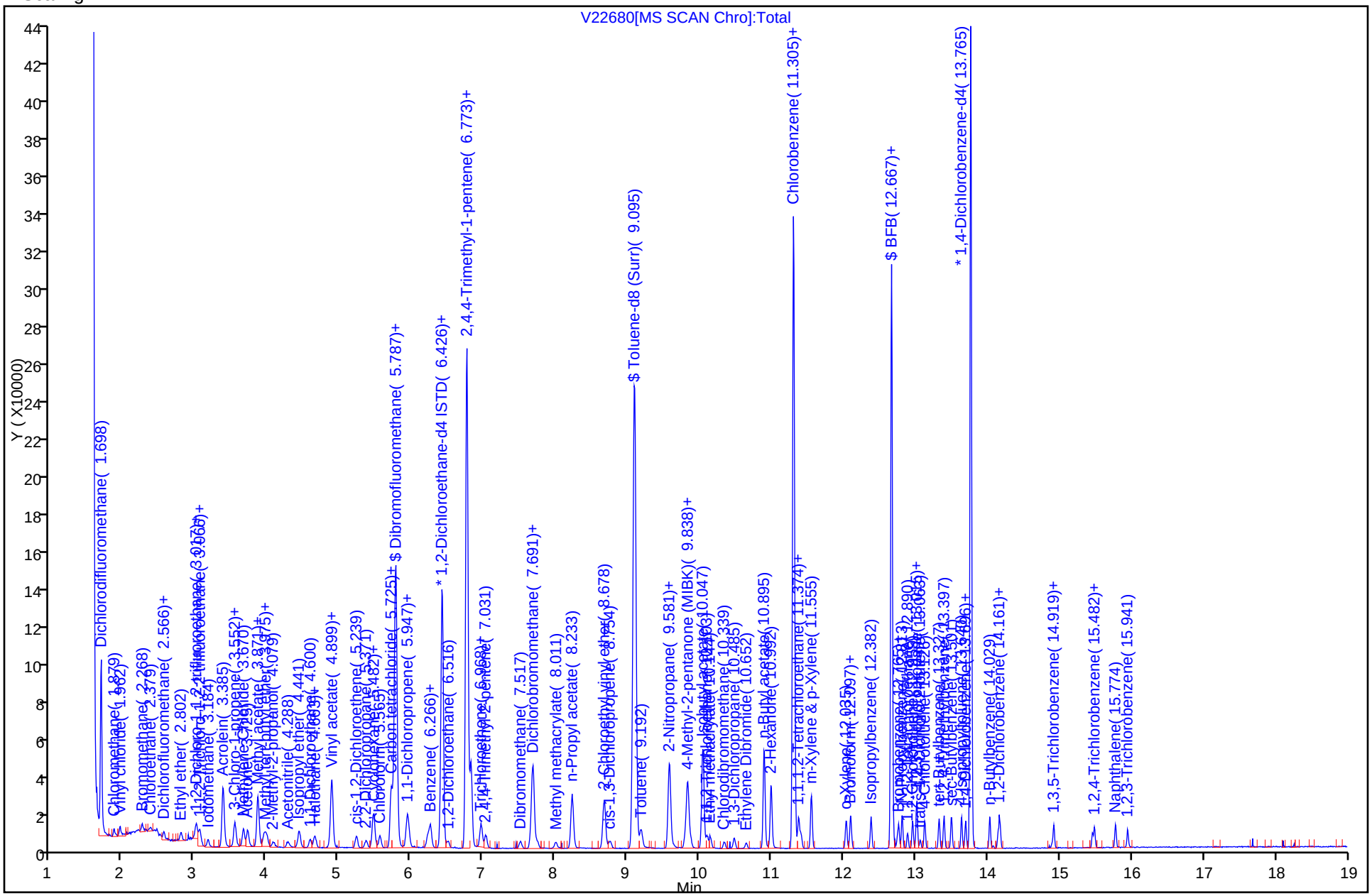
Injection Date: 29-Nov-2011 20:21:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 4

Operator ID: tph

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22681.D
Lims ID: STD5 Client ID:
Inject. Date: 29-Nov-2011 20:42:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD5
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 84017 Lims Sample ID: 5
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:15:41 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:15:41

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	84	13196	4.98	
2 Chloromethane	1	50	1.879	1.879	0.0	88	18375	5.02	
3 Vinyl chloride	1	62	1.955	1.955	0.0	84	14966	4.96	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	15787	0	
5 Bromomethane	1	94	2.267	2.261	0.006	92	10003	5.04	
6 Chloroethane	1	64	2.385	2.386	-0.001	91	7773	4.81	
7 Trichlorofluoromethane	1	101	2.510	2.518	-0.008	85	21093	5.03	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	81	24022	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	90	13438	0	
10 Ethanol	1	45	2.941	2.934	0.007	91	9813	0	M
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	73	14210	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	90	17356	5.65	
13 Carbon disulfide	1	76	3.059	3.059	0.0	96	49093	5.57	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	2	12800	5.75	
15 Iodomethane	1	142	3.184	3.184	0.0	97	27337	0	
16 Acrolein	1	56	3.385	3.385	0.0	96	193310	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	73	10233	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	88	73194	0	
19 Methylene Chloride	1	84	3.677	3.670	0.007	86	22390	5.24	
20 Acetone	1	43	3.725	3.726	-0.001	100	63614	46.4	
21 trans-1,2-Dichloroethene	1	61	3.857	3.864	-0.007	45	29397	5.48	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	188396	47.9	
23 Hexane	1	57	3.954	3.962	-0.008	57	36357	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	86	55379	5.27	
25 2-Methyl-2-propanol	1	59	4.086	4.087	-0.001	12	28855	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	98	12185	0	
27 Isopropyl ether	1	45	4.447	4.441	0.006	94	60327	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	97	36113	5.37	
29 Acrylonitrile	1	53	4.656	4.663	-0.007	77	9588	5.18	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	83	16060	0	
S 31 1,2-Dichloroethene, Total	1	1				0		10.9	
33 Tert-butyl ethyl ether	1	59	4.878	4.885	-0.007	50	56423	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	314377	0	
34 cis-1,2-Dichloroethene	1	61	5.246	5.239	0.007	69	29009	5.39	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	88	19887	5.69	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	89	15597	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	88	27781	0	
38 Chloroform	1	83	5.565	5.565	0.0	64	38173	5.36	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	250737	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	23	21403	5.28	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	76	101621	51.2	
42 sec-Butyl Alcohol	1	59	5.766	5.767	-0.001	86	25099	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	72	110188	20.2	
44 1,1,1-Trichloroethane	1	97	5.815	5.822	-0.007	47	27620	5.51	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	100	107135	45.0	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	94	27005	5.37	
47 n-Heptane	1	43	6.232	6.225	0.007	92	21743	0	
48 Benzene	1	78	6.266	6.266	0.0	95	79923	5.34	
50 Propionitrile	1	54	6.426	6.405	0.021	1	306	0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	84	54667	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	20697	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	54	21703	5.27	
* 53 Fluorobenzene	1	96	6.773	6.774	-0.001	99	314931	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	46	11441	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	95	294578	0	
57 Methylcyclohexane	1	83	6.968	6.961	0.007	85	24092	5.11	
56 Trichloroethene	1	95	6.975	6.975	0.0	94	18291	5.33	
58 2,4,4-Trimethyl-2-pentene	1	55	7.031	7.038	-0.008	73	28392	0	
59 Dibromomethane	1	93	7.510	7.517	-0.007	85	12273	5.30	
S 61 1,3-Dichloropropene, Total	1	1				0		10.6	
60 1,2-Dichloropropane	1	63	7.656	7.663	-0.007	66	17413	5.27	
62 Dichlorobromomethane	1	83	7.753	7.754	-0.001	77	21691	5.45	
63 Methyl methacrylate	1	69	8.010	8.004	0.006	85	13246	0	
64 1,4-Dioxane (SIM)	2	88	8.057	8.050	0.007	0	2392	0	
65 1,4-Dioxane	1	88	8.059	8.052	0.007	44	2011	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	99	233218	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	90	105384	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	55	24810	5.31	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	311239	19.8	
70 Toluene	1	92	9.185	9.192	-0.007	80	38512	5.36	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	20019	0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	99	330096	0	
74 Tetrachloroethene	1	166	9.811	9.804	0.007	47	18516	5.41	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.838	9.839	-0.001	97	178102	47.2	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	71	22416	5.26	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	354920	0	
78 1,1,2-Trichloroethane	1	83	10.109	10.110	-0.001	64	14948	5.41	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	62	21398	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	83	16997	5.04	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	90	24491	5.36	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	95	17472	5.24	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.895	10.895	0.0	97	264998	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	97	136386	48.6	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	85	226166	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	76	45781	5.47	
87 Ethylbenzene	1	91	11.381	11.375	0.006	35	75535	5.39	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	83	14855	5.37	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	117285	10.8	
S 71 Xylenes, Total	1	1				0		16.2	
90 o-Xylene	1	91	12.035	12.035	0.0	97	60453	5.42	
91 Styrene	1	104	12.097	12.097	0.0	77	45814	5.18	
92 Bromoform	1	173	12.104	12.104	0.0	44	13077	4.87	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	72677	5.44	
$ 94 BFB	1	95	12.667	12.667	0.0	93	113677	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	93	113677	20.1	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	-0.001	0	5413	0	
97 Bromobenzene	1	77	12.764	12.765	-0.001	92	33466	5.33	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	77	88679	5.41	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	86	26645	5.31	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	95	52486	5.33	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	56	6383	5.16	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	79	62137	5.43	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	4	5919	5.01	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	93	56991	5.46	
105 tert-Butylbenzene	1	119	13.327	13.328	-0.001	91	51152	5.41	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	85	62954	5.44	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	93	78847	5.51	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	95	62494	5.48	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	95	38022	5.43	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	94	122926	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	60	39729	5.49	
112 n-Butylbenzene	1	91	14.029	14.030	-0.001	96	61624	5.44	
113 Hexachloroethane	1	117	14.147	14.148	-0.001	82	8530	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.169	0.006	97	34762	5.26	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	78	4975	4.93	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	22278	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	38	1221	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	80	11191	5.48	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	91	22232	5.28	
120 Naphthalene	1	128	15.774	15.774	0.0	97	60035	4.83	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	92	20607	5.22	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 01-Dec-2011 11:15:43 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22681.D

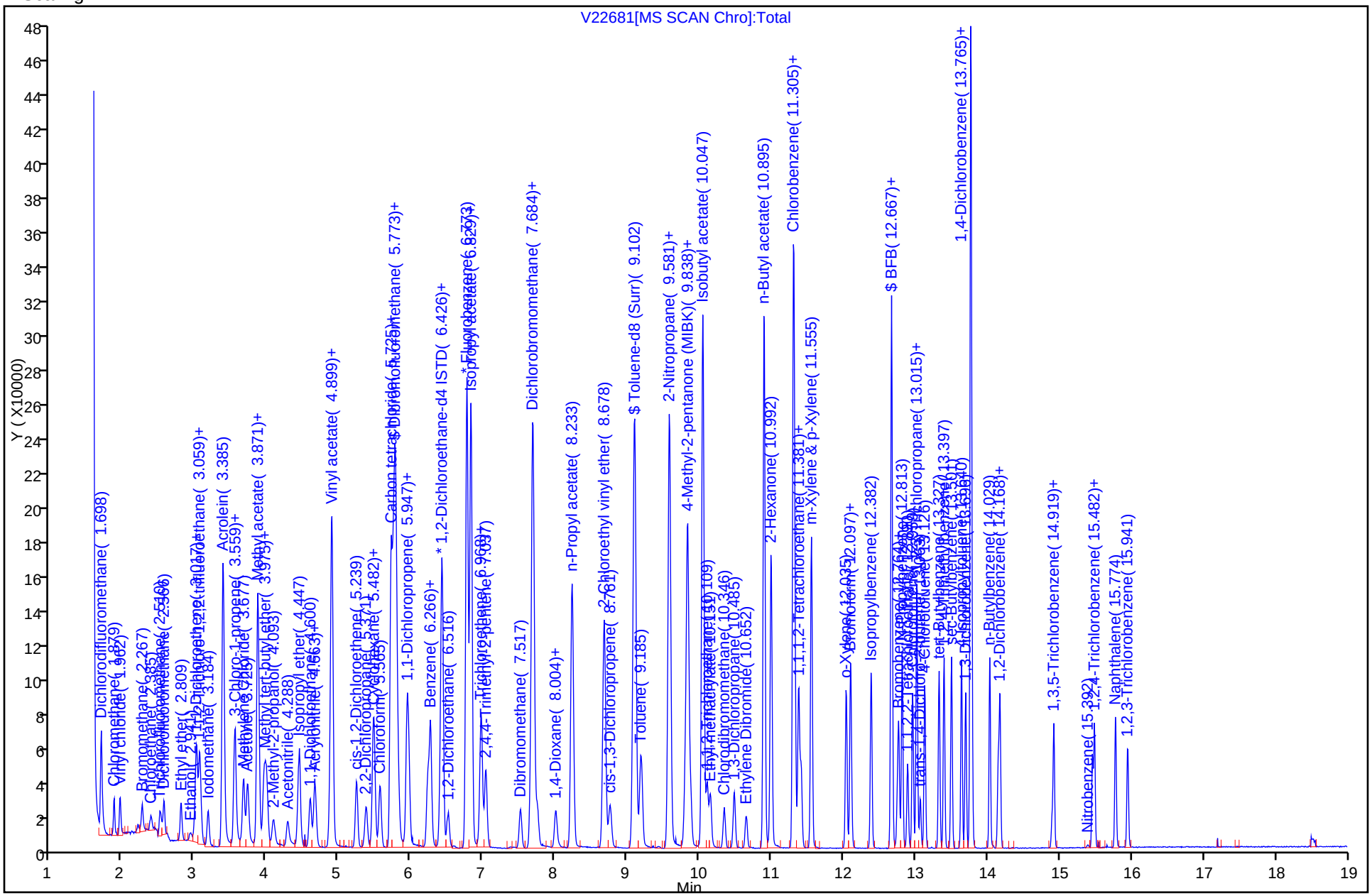
Injection Date: 29-Nov-2011 20:42:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 5

Operator ID: tph

Y Scaling:



Report Date: 01-Dec-2011 11:15:55 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22682.D
Lims ID: STD10 Client ID:
Inject. Date: 29-Nov-2011 21:04:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD10
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 84017 Lims Sample ID: 6
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:15:54 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:15:54

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	97	26916	9.97	
2 Chloromethane	1	50	1.879	1.879	0.0	88	36539	9.81	
3 Vinyl chloride	1	62	1.955	1.955	0.0	82	30349	9.88	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	31532	0	
5 Bromomethane	1	94	2.268	2.261	0.007	84	19465	9.64	
6 Chloroethane	1	64	2.386	2.386	0.0	96	15278	9.29	
7 Trichlorofluoromethane	1	101	2.518	2.518	0.0	85	41781	9.79	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	73	47327	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	90	25805	0	
10 Ethanol	1	45	2.934	2.934	0.0	97	19379	0	M
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	77	26429	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	88	29570	9.46	
13 Carbon disulfide	1	76	3.059	3.059	0.0	97	88540	9.87	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	11	21544	9.50	
15 Iodomethane	1	142	3.177	3.184	-0.007	99	53378	0	
16 Acrolein	1	56	3.385	3.385	0.0	94	426400	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	75	20212	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	88	145840	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	86	41406	9.91	
20 Acetone	1	43	3.726	3.726	0.0	100	134932	93.7	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	37	52823	9.67	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	389933	97.3	
23 Hexane	1	57	3.962	3.962	0.0	58	69076	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	63	100838	9.43	
25 2-Methyl-2-propanol	1	59	4.087	4.087	0.0	13	51032	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	100	27594	0	
27 Isopropyl ether	1	45	4.441	4.441	0.0	95	109447	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	84	66026	9.64	
29 Acrylonitrile	1	53	4.663	4.663	0.0	69	17848	9.47	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	87	31804	0	
S 31 1,2-Dichloroethene, Total	1	1				0		19.1	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	36	104944	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	743306	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	68	51887	9.47	
35 2,2-Dichloropropane	1	77	5.378	5.371	0.007	86	35079	9.96	
36 Chlorobromomethane	1	130	5.482	5.475	0.007	81	28437	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	85	52930	0	
38 Chloroform	1	83	5.572	5.565	0.007	65	67943	9.38	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	504525	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	22	39338	9.54	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	76	189420	93.6	
42 sec-Butyl Alcohol	1	59	5.774	5.767	0.007	70	48707	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	72	112419	20.2	
44 1,1,1-Trichloroethane	1	97	5.815	5.822	-0.007	42	49100	9.64	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	100	246081	98.5	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	87	49648	9.70	
47 n-Heptane	1	43	6.225	6.225	0.0	94	43191	0	
48 Benzene	1	78	6.266	6.266	0.0	96	144701	9.49	
50 Propionitrile	1	54	6.412	6.405	0.007	33	687	0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	97	98125	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	21736	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	56	40308	9.62	
* 53 Fluorobenzene	1	96	6.774	6.774	0.0	99	320651	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	44	20499	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	98	606983	0	
57 Methylcyclohexane	1	83	6.968	6.961	0.007	82	46211	9.62	
56 Trichloroethene	1	95	6.975	6.975	0.0	87	32968	9.44	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	68	50871	0	
59 Dibromomethane	1	93	7.510	7.517	-0.007	85	22651	9.61	
S 61 1,3-Dichloropropene, Total	1	1				0		19.3	
60 1,2-Dichloropropane	1	63	7.663	7.663	0.0	55	32253	9.59	
62 Dichlorobromomethane	1	83	7.747	7.754	-0.007	84	38501	9.50	
63 Methyl methacrylate	1	69	8.004	8.004	0.0	88	24428	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	4212	0	
65 1,4-Dioxane	1	88	8.045	8.052	-0.007	49	4009	0	M
66 n-Propyl acetate	1	43	8.233	8.233	0.0	99	481607	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	89	236766	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	60	45478	9.57	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	321042	20.0	
70 Toluene	1	92	9.185	9.192	-0.007	82	68280	9.33	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	37689	0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	99	689452	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	68	33892	9.73	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.839	9.839	0.0	97	399763	101.0	
76 trans-1,3-Dichloropropene	1	75	9.873	9.880	-0.007	76	42149	9.71	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	731948	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.110	0.0	72	26538	9.44	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	63	44556	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	84	31987	9.21	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	90	44063	9.46	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	97	32338	9.53	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.895	10.895	0.0	97	542511	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	97	297519	100.9	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	229469	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	94	82230	9.69	
87 Ethylbenzene	1	91	11.375	11.375	0.0	47	135735	9.55	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	84	26286	9.37	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	210585	19.1	
S 71 Xylenes, Total	1	1				0		28.6	
90 o-Xylene	1	91	12.035	12.035	0.0	97	107551	9.51	
91 Styrene	1	104	12.097	12.097	0.0	76	84811	9.46	
92 Bromoform	1	173	12.104	12.104	0.0	45	23968	8.60	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	128747	9.49	
$ 94 BFB	1	95	12.667	12.667	0.0	92	114713	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	92	114713	20.0	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	11196	0	
97 Bromobenzene	1	77	12.765	12.765	0.0	91	59788	9.38	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	75	159615	9.60	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	85	47752	9.35	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	95	94730	9.49	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	47	11874	9.45	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	68	110435	9.52	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	13	11250	9.39	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	93	102077	9.63	
105 tert-Butylbenzene	1	119	13.328	13.328	0.0	91	91472	9.54	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	70	113346	9.65	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	138848	9.56	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	96	112120	9.70	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	96	68612	9.65	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	94	125286	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	74	70523	9.56	
112 n-Butylbenzene	1	91	14.030	14.030	0.0	97	111015	9.62	
113 Hexachloroethane	1	117	14.148	14.148	0.0	84	16833	0	
114 1,2-Dichlorobenzene	1	146	14.169	14.169	0.0	97	63634	9.46	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	82	9018	8.67	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	42833	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	63	2142	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	81	19758	9.49	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	92	40090	9.35	
120 Naphthalene	1	128	15.774	15.774	0.0	97	110934	8.60	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	96	37351	9.28	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 01-Dec-2011 11:15:55 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22682.D

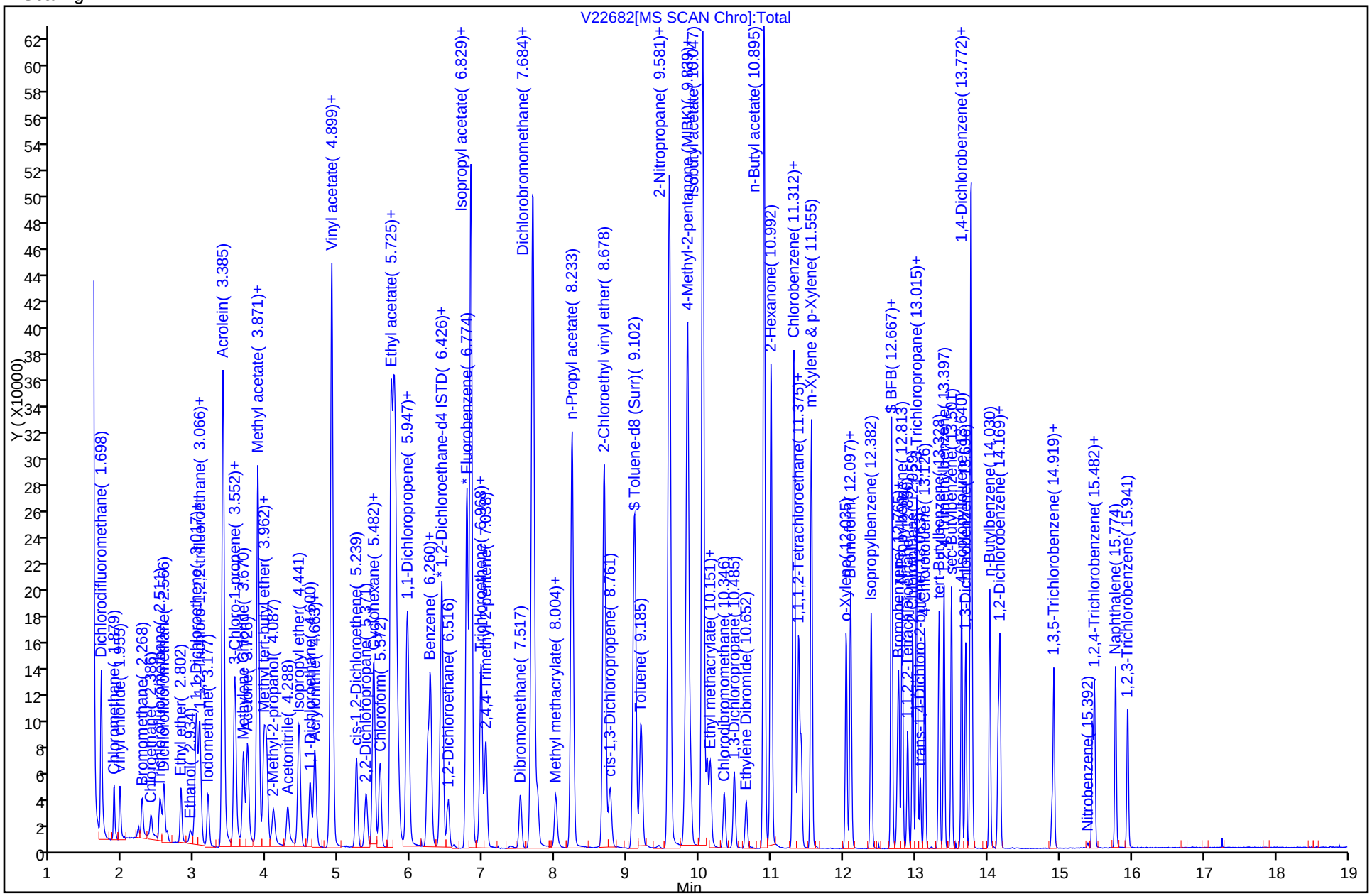
Injection Date: 29-Nov-2011 21:04:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 6

Operator ID: tph

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22683.D		
Lims ID:	STD20	Client ID:	
Inject. Date:	29-Nov-2011 21:26:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	STD20		
Misc. Info.:			
Operator:	tph	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	84017	Lims Sample ID:	7
Sublist:	chrom-WES2UNPR*sub22		
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		
Method:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m		
Last Update:	01-Dec-2011 11:16:05	Calib Date:	29-Nov-2011 22:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS03		
First Level Reviewer: hartmannt		Date:	01-Dec-2011 11:16:05

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	85	61639	23.5	
2 Chloromethane	1	50	1.879	1.879	0.0	89	77575	21.4	
3 Vinyl chloride	1	62	1.955	1.955	0.0	83	66699	22.3	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	69243	0	
5 Bromomethane	1	94	2.261	2.261	0.0	90	42545	21.6	
6 Chloroethane	1	64	2.385	2.385	0.0	94	33409	20.9	
7 Trichlorofluoromethane	1	101	2.517	2.517	0.0	83	95918	23.1	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	68	103266	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	93	54957	0	
10 Ethanol	1	45	2.934	2.934	0.0	96	38455	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	75	57202	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	90	62639	20.6	
13 Carbon disulfide	1	76	3.059	3.059	0.0	98	180157	20.6	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	43	48421	21.9	
15 Iodomethane	1	142	3.177	3.177	0.0	98	114380	0	
16 Acrolein	1	56	3.385	3.385	0.0	97	865747	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	76	44307	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	88	308039	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	83	85683	21.6	
20 Acetone	1	43	3.725	3.725	0.0	100	267524	199.7	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	38	116395	21.9	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	813967	208.7	
23 Hexane	1	57	3.954	3.954	0.0	58	154362	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	87	216055	20.8	
25 2-Methyl-2-propanol	1	59	4.086	4.086	0.0	51	104811	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	99	54420	0	
27 Isopropyl ether	1	45	4.440	4.440	0.0	93	237867	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	85	143070	21.5	
29 Acrylonitrile	1	53	4.663	4.663	0.0	68	38067	20.8	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	84	68305	0	
S 31 1,2-Dichloroethene, Total	1	1				0		42.9	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	36	223318	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	1499782	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	68	112005	21.0	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	87	76713	22.6	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	85	60814	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	87	119878	0	
38 Chloroform	1	83	5.565	5.565	0.0	66	146837	20.8	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	1074386	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	24	88722	22.1	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	77	402230	204.4	
42 sec-Butyl Alcohol	1	59	5.766	5.766	0.0	68	96883	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	69	108981	20.1	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	44	109695	22.2	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	100	505385	217.3	
46 1,1-Dichloropropene	1	75	5.961	5.961	0.0	74	108483	21.8	
47 n-Heptane	1	43	6.232	6.232	0.0	93	99978	0	
48 Benzene	1	78	6.266	6.266	0.0	95	312857	21.1	
50 Propionitrile	1	54	6.405	6.405	0.0	36	1998	0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	97	214468	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	20228	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	71	85637	21.0	
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	312005	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	45	45142	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	1292615	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	84	105284	22.5	
56 Trichloroethene	1	95	6.975	6.975	0.0	86	72601	21.4	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	74	115344	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	86	46960	20.5	
S 61 1,3-Dichloropropene, Total	1	1				0		43.2	
60 1,2-Dichloropropane	1	63	7.656	7.656	0.0	64	68753	21.0	
62 Dichlorobromomethane	1	83	7.753	7.753	0.0	79	83865	21.3	
63 Methyl methacrylate	1	69	8.011	8.011	0.0	88	53664	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	8982	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	79	8687	0	M
66 n-Propyl acetate	1	43	8.233	8.233	0.0	99	1046902	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	89	480844	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	83	99961	21.6	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	313816	20.1	
70 Toluene	1	92	9.192	9.192	0.0	92	150149	21.1	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	78000	0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	99	1485121	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	72	73812	21.8	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.838	9.838	0.0	97	820204	222.6	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	72	91255	21.6	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	1603779	0	
78 1,1,2-Trichloroethane	1	83	10.109	10.109	0.0	75	57907	21.2	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	66	98588	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	87	70474	20.7	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	90	97446	21.5	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	99	69192	21.0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	1157089	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	97	616584	224.7	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	86	223657	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	94	175465	21.2	
87 Ethylbenzene	1	91	11.381	11.381	0.0	51	297412	21.5	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	94	57576	21.1	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	459662	42.8	
S 71 Xylenes, Total	1	1				0		64.3	
90 o-Xylene	1	91	12.035	12.035	0.0	97	237115	21.5	
91 Styrene	1	104	12.097	12.097	0.0	76	188305	21.5	
92 Bromoform	1	173	12.111	12.111	0.0	60	54823	19.6	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	96	289772	21.9	
$ 94 BFB	1	95	12.667	12.667	0.0	93	112860	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	93	112860	20.2	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	26996	0	
97 Bromobenzene	1	77	12.764	12.764	0.0	92	130547	21.0	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	75	356523	22.0	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	85	103357	20.4	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	95	209144	21.5	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	47	25385	20.7	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	68	249000	22.0	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	8	25205	21.6	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	93	222600	21.6	
105 tert-Butylbenzene	1	119	13.327	13.327	0.0	91	205338	22.0	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	95	251540	22.0	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	315427	22.3	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	96	252754	22.4	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	97	150083	21.7	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	94	124005	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	88	153366	21.0	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	96	252236	22.1	
113 Hexachloroethane	1	117	14.148	14.148	0.0	85	38684	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.175	0.0	98	140697	21.1	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	82	20980	20.2	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	96	94821	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	83	5249	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	82	46539	22.6	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	90	90494	21.3	
120 Naphthalene	1	128	15.774	15.774	0.0	97	259829	20.1	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	93	85572	21.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 01-Dec-2011 11:16:07 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22683.D

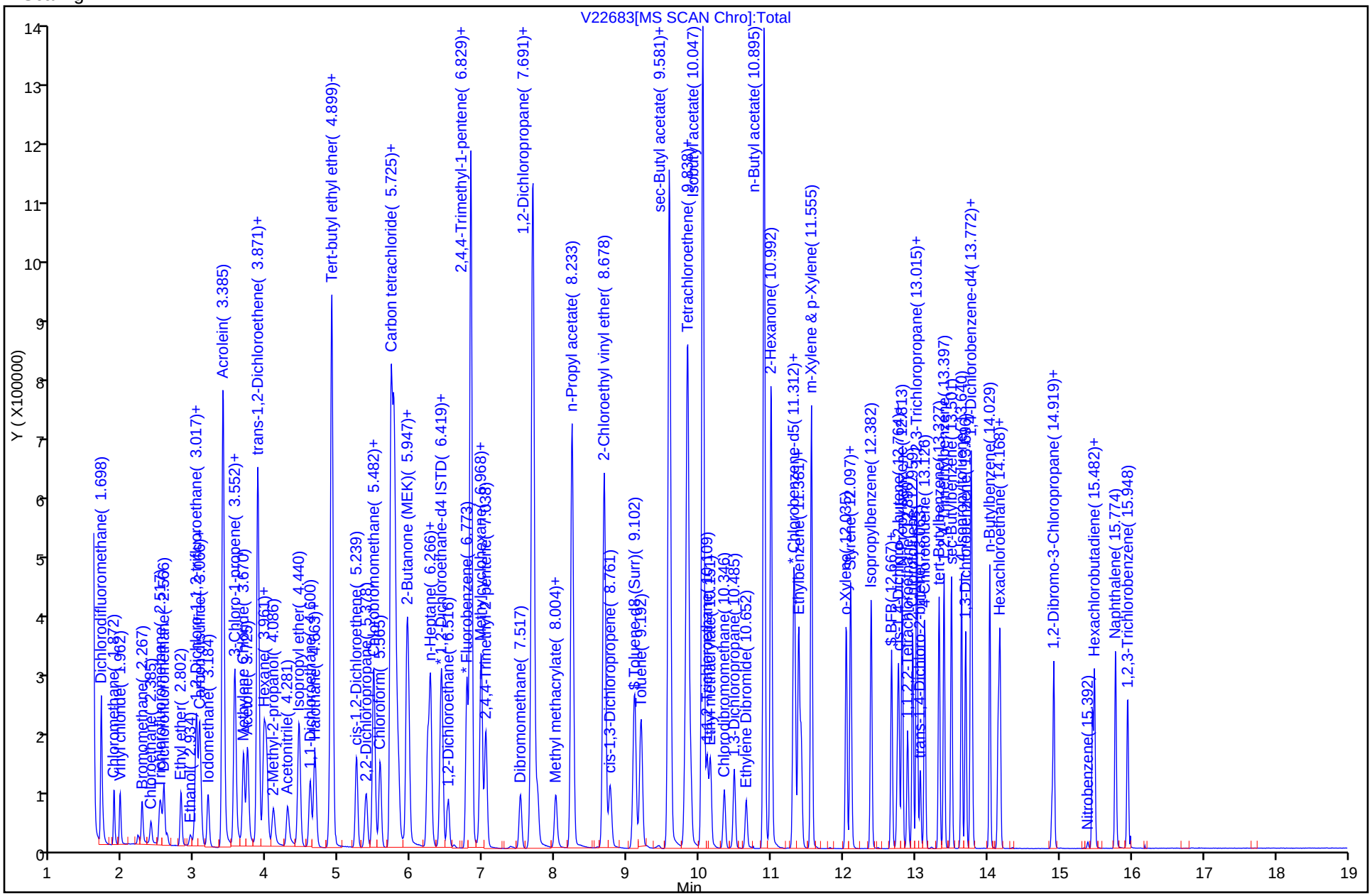
Injection Date: 29-Nov-2011 21:26:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 7

Operator ID: tph

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22684.D
Lims ID: STD40 Client ID:
Inject. Date: 29-Nov-2011 21:48:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD40
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 84017 Lims Sample ID: 8
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:16:22 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:16:22

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	87	117399	42.5	
2 Chloromethane	1	50	1.872	1.879	-0.007	88	149000	39.1	
3 Vinyl chloride	1	62	1.955	1.955	0.0	82	125299	39.9	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	130231	0	
5 Bromomethane	1	94	2.261	2.261	0.0	90	82916	40.1	
6 Chloroethane	1	64	2.386	2.385	0.001	94	63349	37.7	
7 Trichlorofluoromethane	1	101	2.517	2.517	0.0	85	179985	41.2	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	73	199023	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	92	111421	0	
10 Ethanol	1	45	2.934	2.934	0.0	95	80430	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	76	121210	0	
12 1,1-Dichloroethene	1	96	3.017	3.024	-0.007	90	137185	42.9	
13 Carbon disulfide	1	76	3.059	3.059	0.0	98	399583	43.5	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	45	99151	42.7	
15 Iodomethane	1	142	3.177	3.177	0.0	98	218608	0	
16 Acrolein	1	56	3.385	3.385	0.0	95	1787870	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	72	86775	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	89	650573	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	88	172813	41.9	
20 Acetone	1	43	3.725	3.725	0.0	100	558688	396.0	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	36	234214	41.9	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	1755414	428.0	
23 Hexane	1	57	3.955	3.954	0.001	58	313435	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	62	454343	41.5	
25 2-Methyl-2-propanol	1	59	4.086	4.086	0.0	51	225615	0	
26 Acetonitrile	1	40	4.281	4.288	-0.007	99	115075	0	
27 Isopropyl ether	1	45	4.441	4.440	0.0	94	493067	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	85	292091	41.7	
29 Acrylonitrile	1	53	4.663	4.663	0.0	71	81302	42.2	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	89	136748	0	
S 31 1,2-Dichloroethene, Total	1	1				0		83.1	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	35	459279	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	3342224	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	69	231198	41.2	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	84	149668	42.0	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	87	123935	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	85	243960	0	
38 Chloroform	1	83	5.565	5.565	0.0	66	299536	40.4	
39 Ethyl acetate	1	43	5.718	5.718	0.0	100	2268652	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	23	184348	43.7	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	77	844479	408.0	
42 sec-Butyl Alcohol	1	59	5.767	5.766	0.0	69	216196	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	53	113437	19.9	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	44	220245	42.4	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	100	1058823	432.4	
46 1,1-Dichloropropene	1	75	5.968	5.961	0.007	95	218587	41.8	
47 n-Heptane	1	43	6.225	6.232	-0.007	95	211262	0	
48 Benzene	1	78	6.266	6.266	0.0	96	641481	41.1	
50 Propionitrile	1	54	6.405	6.405	0.0	35	3670	0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	96	435613	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	21301	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	75	176577	41.2	
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	328100	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	44	87742	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	2732777	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	84	210842	42.9	
56 Trichloroethene	1	95	6.975	6.975	0.0	87	144751	40.5	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	68	238138	0	
59 Dibromomethane	1	93	7.510	7.517	-0.007	91	98987	41.1	
S 61 1,3-Dichloropropene, Total	1	1				0		86.8	
60 1,2-Dichloropropane	1	63	7.663	7.656	0.007	57	145047	42.1	
62 Dichlorobromomethane	1	83	7.753	7.753	0.0	80	174576	42.1	
63 Methyl methacrylate	1	69	8.004	8.011	-0.007	89	114059	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	18536	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	50	16214	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	99	2262244	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	90	1037092	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	60	211163	43.4	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	331595	20.2	
70 Toluene	1	92	9.192	9.192	0.0	94	308222	41.1	
72 2-Nitropropane	1	39	9.581	9.581	0.0	64	158918	0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	99	3129924	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	70	149227	41.9	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.838	9.838	0.0	97	1639012	422.4	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	78	192870	43.4	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	3227629	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.109	0.001	80	117637	40.9	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	53	190647	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	90	149592	41.6	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	91	202196	42.4	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	99	144558	41.6	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	2421342	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	97	1240778	429.4	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	233500	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	94	355278	41.1	
87 Ethylbenzene	1	91	11.381	11.381	0.0	51	597705	41.3	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	94	120160	42.1	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	936530	83.4	
S 71 Xylenes, Total	1	1				0		125.2	
90 o-Xylene	1	91	12.035	12.035	0.0	97	480528	41.8	
91 Styrene	1	104	12.097	12.097	0.0	76	384176	42.1	
92 Bromoform	1	173	12.111	12.111	0.0	54	115519	40.1	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	96	588427	42.6	
$ 94 BFB	1	95	12.667	12.667	0.0	93	117688	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	93	117688	20.1	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	54041	0	
97 Bromobenzene	1	77	12.765	12.764	0.0	92	266998	41.2	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	75	711686	42.1	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	87	212204	41.0	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	96	419391	41.3	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	46	51273	40.1	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	67	494180	41.9	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	18	53992	44.3	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	93	445830	41.4	
105 tert-Butylbenzene	1	119	13.327	13.327	0.0	93	408449	41.9	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	95	499407	41.8	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	624957	42.3	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	97	503961	42.8	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	96	301824	41.7	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	94	126766	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	90	306536	41.1	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	97	502849	43.1	
113 Hexachloroethane	1	117	14.148	14.148	0.0	91	72418	0	
114 1,2-Dichlorobenzene	1	146	14.168	14.175	-0.007	98	280566	41.2	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	85	42470	39.9	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	191001	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	84	10641	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	83	91374	43.4	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	90	181922	41.9	
120 Naphthalene	1	128	15.774	15.774	0.0	97	532692	40.1	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	94	172087	42.3	

Report Date: 01-Dec-2011 11:16:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22684.D

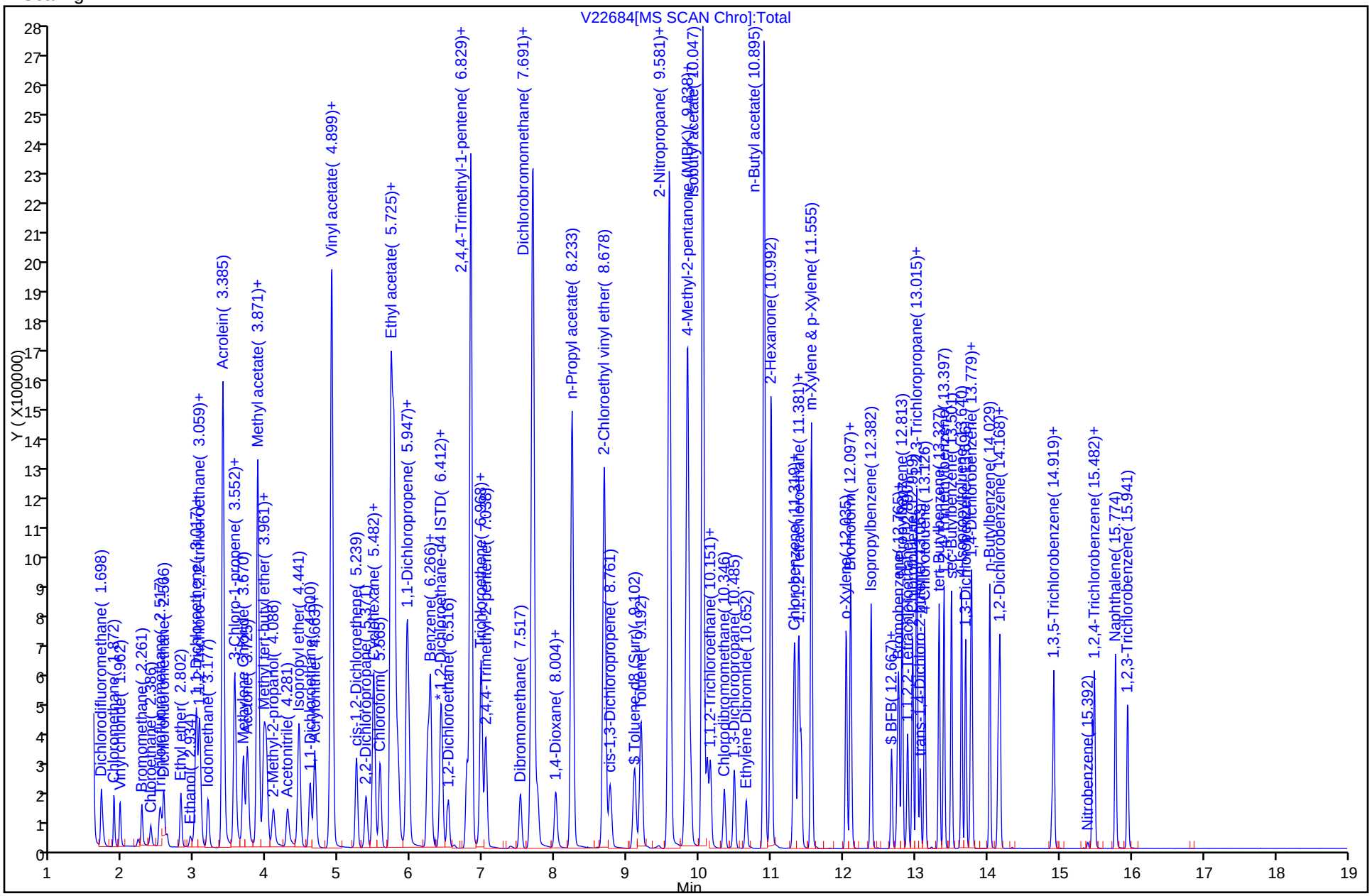
Injection Date: 29-Nov-2011 21:48:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 8

Operator ID: tph

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22685.D		
Lims ID:	STD80	Client ID:	
Inject. Date:	29-Nov-2011 22:10:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	STD80		
Misc. Info.:			
Operator:	tph	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	84017	Lims Sample ID:	9
Sublist:	chrom-WES2UNPR*sub22		
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		
Method:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m		
Last Update:	01-Dec-2011 11:16:35	Calib Date:	29-Nov-2011 22:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS03		

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:16:35

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	88	222437	79.7	
2 Chloromethane	1	50	1.872	1.879	-0.007	89	303780	78.8	
3 Vinyl chloride	1	62	1.962	1.955	0.007	82	251057	79.0	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	258387	0	
5 Bromomethane	1	94	2.254	2.261	-0.007	89	160632	76.8	
6 Chloroethane	1	64	2.379	2.385	-0.006	94	124755	73.3	
7 Trichlorofluoromethane	1	101	2.511	2.517	-0.006	87	356277	80.7	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	75	390803	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	93	216977	0	
10 Ethanol	1	45	2.934	2.934	0.0	95	161799	0	M
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.003	3.010	-0.007	81	217023	0	
12 1,1-Dichloroethene	1	96	3.017	3.024	-0.007	90	226847	70.1	
13 Carbon disulfide	1	76	3.059	3.059	0.0	97	688853	74.2	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.066	3.073	-0.007	38	172445	73.5	
15 Iodomethane	1	142	3.177	3.177	0.0	98	434472	0	
16 Acrolein	1	56	3.385	3.385	0.0	97	3558412	0	
17 3-Chloro-1-propene	1	76	3.545	3.552	-0.007	76	171046	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	89	1303535	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	83	317686	76.5	
20 Acetone	1	43	3.726	3.725	0.001	100	1101065	747.4	
21 trans-1,2-Dichloroethene	1	61	3.857	3.864	-0.007	39	428148	75.7	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	3458862	833.9	
23 Hexane	1	57	3.955	3.954	0.001	58	606767	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	62	868720	78.5	
25 2-Methyl-2-propanol	1	59	4.087	4.086	0.001	13	438504	0	
26 Acetonitrile	1	40	4.281	4.288	-0.007	99	236046	0	
27 Isopropyl ether	1	45	4.441	4.440	0.001	94	941512	0	
28 1,1-Dichloroethane	1	63	4.593	4.600	-0.007	85	545984	77.0	
29 Acrylonitrile	1	53	4.663	4.663	0.0	70	155535	79.8	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	88	265777	0	
S 31 1,2-Dichloroethene, Total	1	1				0		151.7	
33 Tert-butyl ethyl ether	1	59	4.878	4.885	-0.007	41	870341	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	6286365	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	68	430636	75.9	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	84	270083	75.0	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	84	237629	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	85	469368	0	
38 Chloroform	1	83	5.565	5.565	0.0	66	560488	74.8	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	4555312	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	22	329841	77.3	
40 Tetrahydrofuran	1	42	5.746	5.753	-0.007	75	1620613	774.2	
42 sec-Butyl Alcohol	1	59	5.767	5.766	0.001	69	445701	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	29	112852	19.6	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	29	396902	75.5	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	100	2132029	833.7	
46 1,1-Dichloropropene	1	75	5.961	5.961	0.0	71	395840	74.8	
47 n-Heptane	1	43	6.225	6.232	-0.007	94	402836	0	
48 Benzene	1	78	6.266	6.266	0.0	95	1188261	75.3	
50 Propionitrile	1	54	6.412	6.405	0.007	34	6946	0	M
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	97	840713	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	22245	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	83	336218	77.5	
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	331822	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	43	148276	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	5467991	0	
57 Methylcyclohexane	1	83	6.961	6.968	-0.007	81	405337	81.6	
56 Trichloroethene	1	95	6.975	6.975	0.0	90	265984	73.6	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	68	422763	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	88	189020	77.5	
60 1,2-Dichloropropane	1	63	7.663	7.656	0.007	57	271198	77.9	
S 61 1,3-Dichloropropene, Total	1	1				0		164.6	
62 Dichlorobromomethane	1	83	7.754	7.753	0.001	80	327461	78.0	
63 Methyl methacrylate	1	69	8.004	8.011	-0.007	90	222429	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	86	32892	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	35930	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	99	4543690	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	90	2097074	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	94	405740	82.5	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	333690	20.1	
70 Toluene	1	92	9.192	9.192	0.0	95	574457	75.8	
72 2-Nitropropane	1	39	9.581	9.581	0.0	64	305782	0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	99	6258603	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	66	271605	75.4	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.839	9.838	0.001	97	3254440	803.2	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	86	368762	82.1	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	6369453	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.109	0.001	76	222032	76.3	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	69	393700	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	87	285921	78.5	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	90	382410	79.4	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	98	275524	78.5	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.902	10.895	0.007	98	4805513	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	97	2442235	809.2	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	232631	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	94	665517	77.3	
87 Ethylbenzene	1	91	11.382	11.381	0.001	52	1109496	77.0	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	94	224255	78.8	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	1736779	155.3	
S 71 Xylenes, Total	1	1				0		233.4	
90 o-Xylene	1	91	12.035	12.035	0.0	97	895407	78.1	
91 Styrene	1	104	12.097	12.097	0.0	76	720802	79.3	
92 Bromoform	1	173	12.111	12.111	0.0	54	224549	81.8	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	1074704	78.2	
$ 94 BFB	1	95	12.667	12.667	0.0	93	116034	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	93	116034	19.9	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	113156	0	
97 Bromobenzene	1	77	12.765	12.764	0.001	91	495093	76.7	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	74	1290025	76.6	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	85	390183	79.3	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	95	766656	75.8	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	45	94445	74.2	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	67	894759	76.1	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	9	102929	84.8	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	93	817626	76.1	
105 tert-Butylbenzene	1	119	13.328	13.327	0.001	93	743108	76.5	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	94	906856	76.2	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	1115253	75.7	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	97	906043	77.3	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	96	541007	75.1	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	120663	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	93	556479	78.3	
112 n-Butylbenzene	1	91	14.030	14.029	0.001	96	899329	80.9	
113 Hexachloroethane	1	117	14.148	14.148	0.0	87	139833	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.175	0.0	98	514271	79.3	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	87	82563	81.3	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	367639	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	85	22413	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	85	162715	81.1	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	92	345793	83.7	
120 Naphthalene	1	128	15.774	15.774	0.0	97	1030854	81.3	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	94	332524	85.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 01-Dec-2011 11:16:37 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22685.D

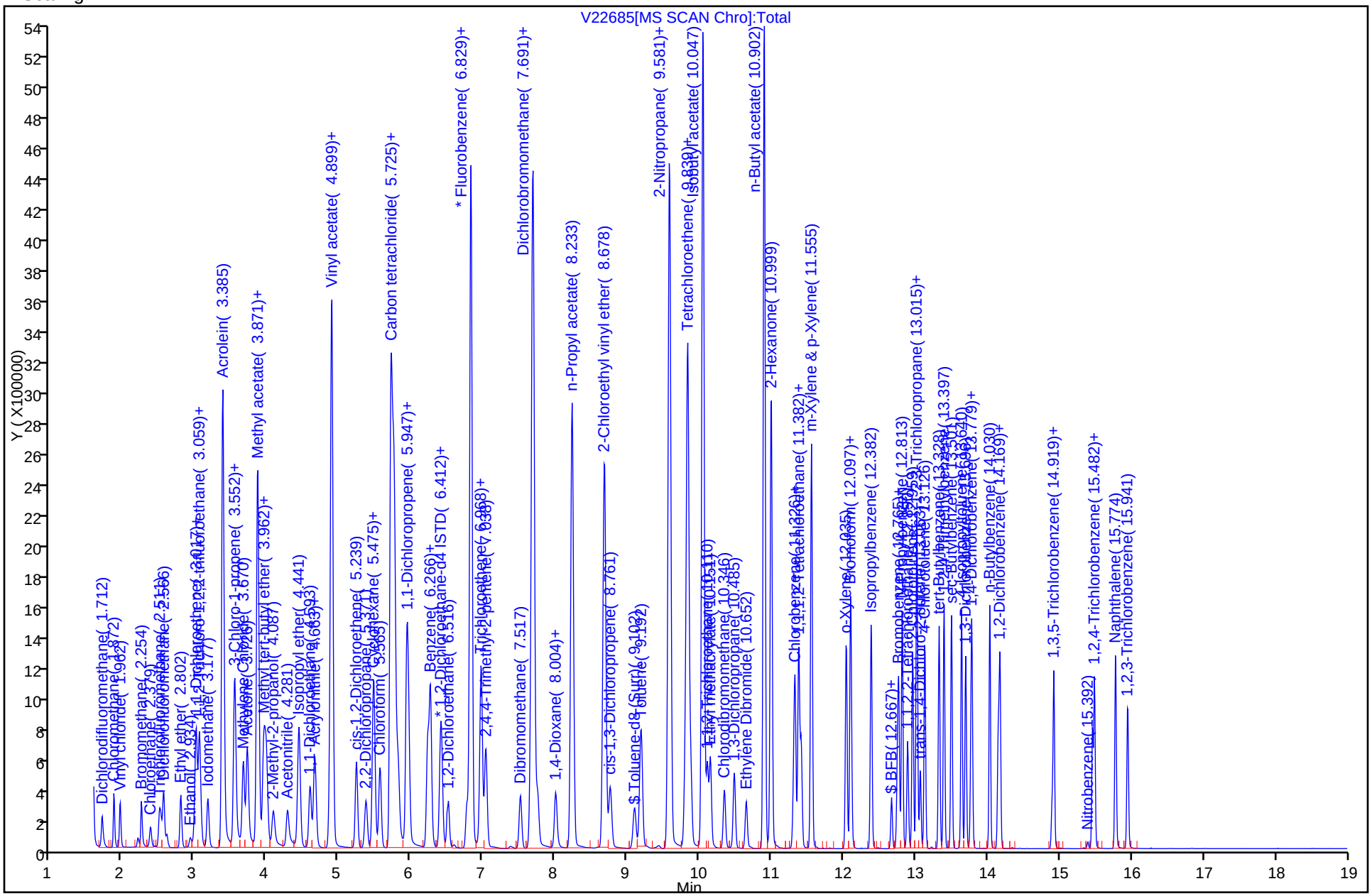
Injection Date: 29-Nov-2011 22:10:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 9

Operator ID: tph

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Lims ID: STD160 Client ID:
Inject. Date: 29-Nov-2011 22:31:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 9
Sample ID: STD160
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 10
Lims Batch ID: 84017 Lims Sample ID: 10
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:16:49 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:16:48

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	87	389255	138.8	
2 Chloromethane	1	50	1.879	1.879	0.0	89	531758	137.3	
3 Vinyl chloride	1	62	1.962	1.955	0.007	84	432769	135.6	
4 Vinyl chloride (SIM)	2	62	1.967	1.960	0.007	0	447786	0	
5 Bromomethane	1	94	2.254	2.261	-0.007	90	264901	126.2	
6 Chloroethane	1	64	2.379	2.385	-0.006	94	205086	120.0	
7 Trichlorofluoromethane	1	101	2.511	2.517	-0.006	86	603374	136.1	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	69	659994	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	93	374477	0	
10 Ethanol	1	45	2.941	2.934	0.007	96	298844	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.003	3.010	-0.007	81	370697	0	
12 1,1-Dichloroethene	1	96	3.017	3.024	-0.007	90	408162	125.6	
13 Carbon disulfide	1	76	3.052	3.059	-0.007	98	1234655	132.4	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.066	3.073	-0.007	39	304494	129.2	
15 Iodomethane	1	142	3.177	3.177	0.0	98	727569	0	
16 Acrolein	1	56	3.385	3.385	0.0	98	6497816	0	
17 3-Chloro-1-propene	1	76	3.545	3.552	-0.007	80	291748	0	
18 Isopropyl alcohol	1	45	3.559	3.552	0.007	92	2422285	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	83	553490	133.0	
20 Acetone	1	43	3.725	3.725	0.0	100	2077292	1437.3	
21 trans-1,2-Dichloroethene	1	61	3.857	3.864	-0.007	38	757554	133.5	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	6553519	1573.3	
23 Hexane	1	57	3.955	3.954	0.001	58	1046821	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	63	1501890	135.2	
25 2-Methyl-2-propanol	1	59	4.093	4.086	0.007	53	832403	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	99	437299	0	
27 Isopropyl ether	1	45	4.441	4.440	0.001	94	1656634	0	
28 1,1-Dichloroethane	1	63	4.593	4.600	-0.007	85	961985	135.1	
29 Acrylonitrile	1	53	4.656	4.663	-0.007	81	296142	151.2	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	88	454278	0	
S 31 1,2-Dichloroethene, Total	1	1				0		265.1	
33 Tert-butyl ethyl ether	1	59	4.878	4.885	-0.007	42	1490796	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	10949512	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	69	749594	131.6	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	83	449242	124.4	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	86	408269	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	85	802801	0	
38 Chloroform	1	83	5.565	5.565	0.0	66	978684	130.0	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	8501015	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	21	591627	138.0	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	77	3050318	1451.0	
42 sec-Butyl Alcohol	1	59	5.773	5.766	0.007	72	898470	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	18	111814	19.3	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	36	693336	131.3	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	100	4055911	1616.8	
46 1,1-Dichloropropene	1	75	5.968	5.961	0.007	89	708933	133.3	
47 n-Heptane	1	43	6.225	6.232	-0.007	95	739163	0	
48 Benzene	1	78	6.266	6.266	0.0	95	2112887	133.4	
50 Propionitrile	1	54	6.405	6.405	0.0	35	13167	0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	98	1420313	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	21822	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	85	576734	132.4	
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	98	333243	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	42	240323	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	9716908	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	79	683516	136.9	
56 Trichloroethene	1	95	6.975	6.975	0.0	89	471167	129.8	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	67	744374	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	89	325916	133.1	
60 1,2-Dichloropropane	1	63	7.663	7.656	0.007	59	473731	135.5	
S 61 1,3-Dichloropropene, Total	1	1				0		285.0	
62 Dichlorobromomethane	1	83	7.753	7.753	0.0	80	567654	134.7	
63 Methyl methacrylate	1	69	8.004	8.011	-0.007	91	408255	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	54	64160	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	65975	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	99	8427204	0	
67 2-Chloroethyl vinyl ether	1	63	8.685	8.678	0.007	90	3624758	0	
68 cis-1,3-Dichloropropene	1	75	8.768	8.761	0.007	85	708853	143.5	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	333819	20.0	
70 Toluene	1	92	9.192	9.192	0.0	97	1011920	133.0	
72 2-Nitropropane	1	39	9.588	9.581	0.007	64	521572	0	
73 sec-Butyl acetate	1	43	9.588	9.581	0.007	99	10819177	0	
74 Tetrachloroethene	1	166	9.811	9.804	0.007	53	475651	131.5	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.839	9.838	0.001	97	5773757	1452.6	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	83	638318	141.5	
77 Isobutyl acetate	1	43	10.054	10.047	0.007	97	10915255	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.109	0.001	77	384750	131.6	
79 Ethyl methacrylate	1	69	10.158	10.151	0.007	59	686247	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	88	497668	136.0	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	91	666107	137.7	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	98	482064	136.7	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.902	10.895	0.007	98	8501233	0	
84 2-Hexanone	1	43	10.999	10.992	0.007	96	4480994	1513.6	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	230140	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	94	1142148	134.1	
87 Ethylbenzene	1	91	11.381	11.381	0.0	67	1917249	134.5	
88 1,1,1,2-Tetrachloroethane	1	131	11.416	11.409	0.007	93	379866	135.0	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	2984862	269.8	
S 71 Xylenes, Total	1	1				0		405.3	
90 o-Xylene	1	91	12.042	12.035	0.007	97	1536276	135.5	
91 Styrene	1	104	12.097	12.097	0.0	76	1220270	135.7	
92 Bromoform	1	173	12.111	12.111	0.0	53	388748	148.1	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	96	1812521	133.3	
$ 94 BFB	1	95	12.667	12.667	0.0	0	112076	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	92	112076	19.4	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	199366	0	
97 Bromobenzene	1	77	12.765	12.764	0.001	92	822451	128.7	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	76	2158413	129.5	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	92	661025	140.7	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	95	1277488	127.6	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	48	163054	129.4	
101 1,3,5-Trimethylbenzene	1	105	13.022	13.015	0.007	67	1476213	126.9	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	6	179348	149.3	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	93	1340850	126.2	
105 tert-Butylbenzene	1	119	13.328	13.327	0.001	92	1224454	127.4	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	94	1492248	126.7	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	1841609	126.4	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	97	1473563	127.1	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	96	881267	123.6	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	115180	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	94	908803	134.0	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	97	1478484	139.3	
113 Hexachloroethane	1	117	14.148	14.148	0.0	88	231644	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.175	0.0	97	837784	135.4	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	87	154669	159.4	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	607974	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	86	45153	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	83	277429	144.9	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	93	582236	147.7	
120 Naphthalene	1	128	15.774	15.774	0.0	97	1815003	149.8	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	94	560740	151.5	

Report Date: 01-Dec-2011 11:16:50 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D

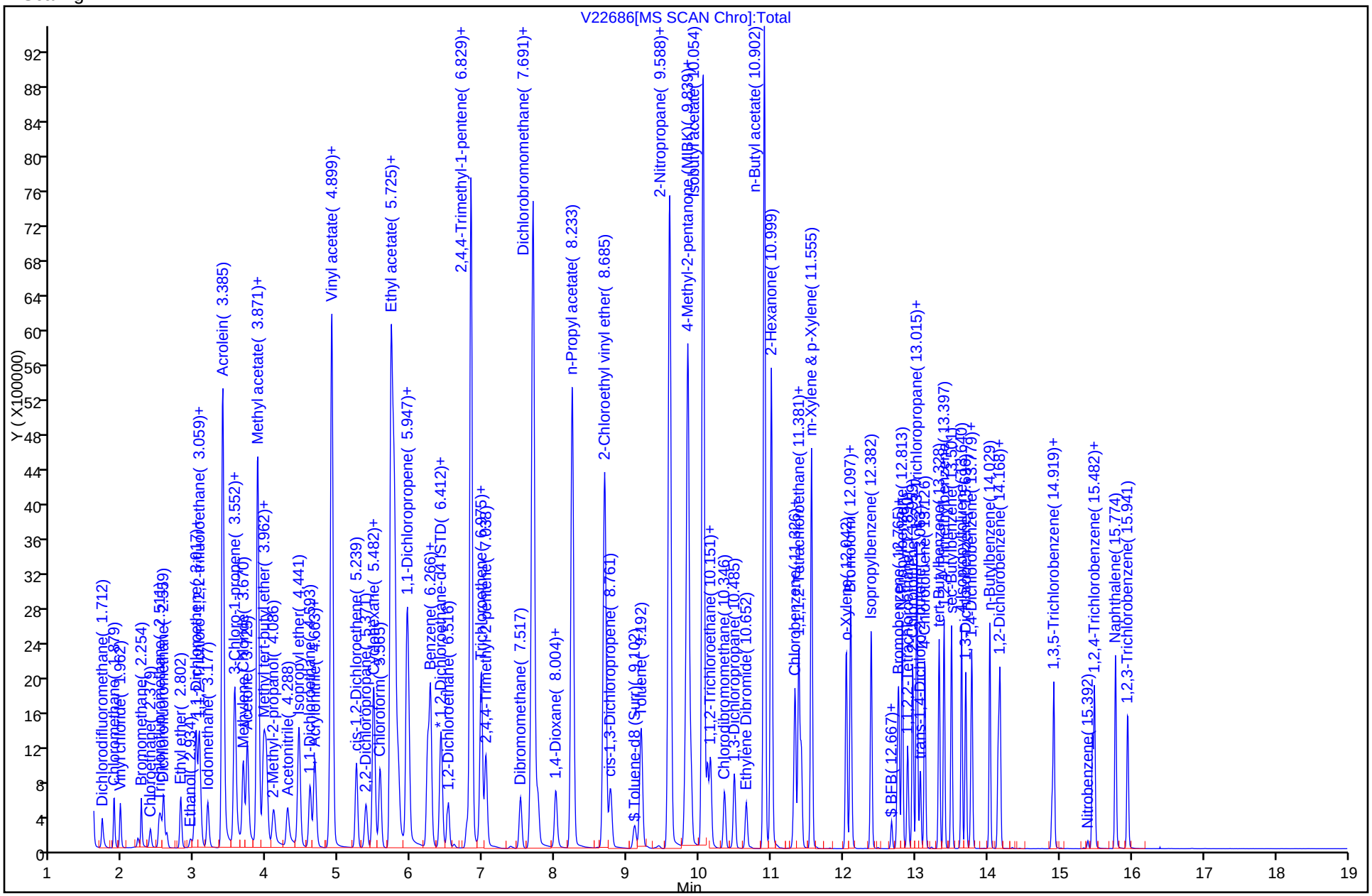
Injection Date: 29-Nov-2011 22:31:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 10

Operator ID: tph

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCVIS 360-84486/2 Calibration Date: 12/08/2011 13:46

Instrument ID: Agilent#2 GC/MS Calib Start Date: 11/29/2011 19:37

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/29/2011 22:31

Lab File ID: V22917.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	Ave	0.1683	0.1700		20.2	20.0	1.0	30.0
Chloromethane	Ave	0.2324	0.1975	0.1000	17.0	20.0	-15.0	30.0
Vinyl chloride	Ave	0.1915	0.1917		20.0	20.0	0.0	20.0
Bromomethane	Ave	0.1260	0.1408		22.3	20.0	11.7	30.0
Chloroethane	Ave	0.1025	0.0974		19.0	20.0	-5.1	30.0
Trichlorofluoromethane	Ave	0.2661	0.3295		24.8	20.0	23.9	30.0
1,1-Dichloroethene	Ave	0.1950	0.2089		21.4	20.0	7.1	20.0
Carbon disulfide	Ave	0.5595	0.5373		19.2	20.0	-4.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1415	0.1778		25.1	20.0	25.6	30.0
Methylene Chloride	Lin1		0.2878		22.7	20.0	13.5	30.0
Acetone	Ave	1.325	1.294		195	200	-2.3	30.0
trans-1,2-Dichloroethene	Ave	0.3407	0.3517		20.6	20.0	3.2	30.0
Methyl acetate	Ave	0.2500	0.2257		181	200	-9.7	30.0
Methyl tert-butyl ether	Ave	0.6669	0.7266		21.8	20.0	8.9	30.0
1,1-Dichloroethane	Ave	0.4274	0.4432	0.1000	20.7	20.0	3.7	30.0
Acrylonitrile	Ave	0.1175	0.1161		19.8	20.0	-1.2	30.0
cis-1,2-Dichloroethene	Ave	0.3417	0.3432		20.1	20.0	0.4	30.0
2,2-Dichloropropane	Lin1		0.2681		24.6	20.0	23.0	30.0
Chloroform	Ave	0.4519	0.4837		21.4	20.0	7.0	20.0
Carbon tetrachloride	Ave	0.2572	0.3635		28.3	20.0	41.3*	30.0
Tetrahydrofuran	Ave	0.1262	0.1159		184	200	-8.1	30.0
1,1,1-Trichloroethane	Lin1		0.3945		24.9	20.0	24.5	30.0
2-Butanone (MEK)	Ave	2.299	2.069		180	200	-10.0	30.0
1,1-Dichloropropene	Ave	0.3191	0.3569		22.4	20.0	11.8	30.0
Benzene	Ave	0.9508	1.023		21.5	20.0	7.6	30.0
1,2-Dichloroethane	Ave	0.2615	0.2883		22.1	20.0	10.3	30.0
Methylcyclohexane	Ave	0.2996	0.3331		22.2	20.0	11.2	30.0
Trichloroethene	Ave	0.2178	0.2457		22.6	20.0	12.8	30.0
Dibromomethane	Ave	0.1470	0.1636		22.3	20.0	11.3	30.0
1,2-Dichloropropane	Ave	0.2098	0.2077		19.8	20.0	-1.0	20.0
Dichlorobromomethane	Ave	0.2529	0.2917		23.1	20.0	15.4	30.0
cis-1,3-Dichloropropene	Ave	0.2965	0.3336		22.5	20.0	12.5	30.0
Toluene	Ave	0.4567	0.5059		22.2	20.0	10.8	20.0
Tetrachloroethene	Ave	0.2172	0.2721		25.1	20.0	25.3	30.0
4-Methyl-2-pentanone (MIBK)	Ave	3.643	3.242		178	200	-11.0	30.0
trans-1,3-Dichloropropene	Ave	0.2707	0.3145		23.2	20.0	16.2	30.0
1,1,2-Trichloroethane	Ave	0.1754	0.1840		21.0	20.0	4.9	30.0
Chlorodibromomethane	Lin1		0.2666		24.4	20.0	22.0	30.0
1,3-Dichloropropane	Ave	0.2904	0.3107		21.4	20.0	7.0	30.0
Ethylene Dibromide	Ave	0.2117	0.2461		23.3	20.0	16.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCVIS 360-84486/2 Calibration Date: 12/08/2011 13:46

Instrument ID: Agilent#2 GC/MS Calib Start Date: 11/29/2011 19:37

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/29/2011 22:31

Lab File ID: V22917.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
2-Hexanone	Ave	2.713	2.434		179	200	-10.3	30.0
Chlorobenzene	Ave	0.7400	0.7713	0.3000	20.8	20.0	4.2	30.0
Ethylbenzene	Ave	1.238	1.229		19.8	20.0	-0.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2445	0.2666		21.8	20.0	9.0	30.0
m-Xylene & p-Xylene	Ave	0.9615	0.9770		40.6	40.0	1.6	30.0
o-Xylene	Ave	0.9855	0.9898		20.1	20.0	0.4	30.0
Styrene	Ave	0.7817	0.8106		20.7	20.0	3.7	30.0
Bromoform	Lin1		0.4912	0.1000	21.7	20.0	8.5	30.0
Isopropylbenzene	Ave	1.182	1.251		21.2	20.0	5.8	30.0
Bromobenzene	Ave	0.5553	0.5122		18.4	20.0	-7.8	30.0
N-Propylbenzene	Ave	1.449	1.456		20.1	20.0	0.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8157	0.7021	0.3000	17.2	20.0	-13.9	30.0
2-Chlorotoluene	Ave	0.8700	0.8564		19.7	20.0	-1.6	30.0
1,2,3-Trichloropropane	Ave	0.1095	0.1091		19.9	20.0	-0.4	30.0
1,3,5-Trimethylbenzene	Ave	1.011	1.055		20.9	20.0	4.3	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1044	0.0948		18.2	20.0	-9.2	30.0
4-Chlorotoluene	Ave	0.9235	0.9156		19.8	20.0	-0.9	30.0
tert-Butylbenzene	Ave	0.8354	0.8939		21.4	20.0	7.0	30.0
1,2,4-Trimethylbenzene	Ave	1.023	1.060		20.7	20.0	3.6	30.0
sec-Butylbenzene	Ave	1.266	1.319		20.8	20.0	4.1	30.0
4-Isopropyltoluene	Ave	1.008	1.096		21.8	20.0	8.8	30.0
1,3-Dichlorobenzene	Ave	0.6197	0.6657		21.5	20.0	7.4	30.0
1,4-Dichlorobenzene	Ave	1.178	1.200		20.4	20.0	1.9	30.0
n-Butylbenzene	Ave	1.842	1.807		19.6	20.0	-1.9	30.0
1,2-Dichlorobenzene	Ave	1.074	1.087		20.2	20.0	1.1	30.0
1,2-Dibromo-3-Chloropropane	Lin1		0.1623		19.4	20.0	-3.0	30.0
Hexachlorobutadiene	Ave	0.3325	0.3803		22.9	20.0	14.4	30.0
1,2,4-Trichlorobenzene	Ave	0.6846	0.6995		20.4	20.0	2.2	30.0
Naphthalene	Lin1		1.835		17.6	20.0	-12.0	30.0
1,2,3-Trichlorobenzene	Ave	0.6425	0.6496		20.2	20.0	1.1	30.0
Dibromofluoromethane	Ave	0.3469	0.3733		21.5	20.0	7.6	30.0
Toluene-d8 (Surr)	Ave	1.000	1.036		20.7	20.0	3.6	30.0
4-Bromofluorobenzene	Ave	0.5008	0.4825		19.3	20.0	-3.7	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22917.D
Lims ID: CCVIS Client ID:
Inject. Date: 08-Dec-2011 13:46:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 84486 Lims Sample ID: 2
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m
Last Update: 09-Dec-2011 12:10:26 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 09-Dec-2011 12:10:26

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	87	39607	20.2	
2 Chloromethane	1	50	1.872	1.872	0.0	88	46012	17.0	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	46505	0	
3 Vinyl chloride	1	62	1.955	1.955	0.0	82	44654	20.0	
5 Bromomethane	1	94	2.260	2.260	0.0	89	32800	22.3	
6 Chloroethane	1	64	2.385	2.385	0.0	94	22683	19.0	
7 Trichlorofluoromethane	1	101	2.517	2.517	0.0	83	76774	24.8	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	74	72403	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	88	38467	0	
10 Ethanol	1	45	2.934	2.934	0.0	97	22165	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	74	46646	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	88	48661	21.4	
13 Carbon disulfide	1	76	3.059	3.059	0.0	98	125166	19.2	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	16	41416	25.1	
15 Iodomethane	1	142	3.177	3.177	0.0	98	78159	0	
16 Acrolein	1	56	3.385	3.385	0.0	95	630297	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	63	28336	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	92	233875	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	83	67054	22.7	
20 Acetone	1	43	3.725	3.725	0.0	100	206295	195.4	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	38	81927	20.6	
22 Methyl acetate	1	43	3.871	3.871	0.0	97	525766	180.5	
23 Hexane	1	57	3.961	3.961	0.0	56	104599	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	86	169282	21.8	
25 2-Methyl-2-propanol	1	59	4.079	4.079	0.0	75	89227	0	
26 Acetonitrile	1	40	4.281	4.281	0.0	99	36089	0	
27 Isopropyl ether	1	45	4.440	4.440	0.0	92	151698	0	
28 1,1-Dichloroethane	1	63	4.593	4.593	0.0	85	103260	20.7	
29 Acrylonitrile	1	53	4.656	4.656	0.0	69	27049	19.8	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	83	55460	0	
S 31 1,2-Dichloroethene, Total	1	1				0		40.7	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	36	161582	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	1110101	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	64	79959	20.1	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	86	62456	24.6	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	83	51517	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	83	78316	0	
38 Chloroform	1	83	5.565	5.565	0.0	75	112697	21.4	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	716887	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	26	84694	28.3	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	72	270098	183.8	
42 sec-Butyl Alcohol	1	59	5.766	5.766	0.0	67	82733	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	72	86961	21.5	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	31	91909	24.9	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	99	329729	179.9	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	95	83145	22.4	
47 n-Heptane	1	43	6.232	6.232	0.0	90	67599	0	
48 Benzene	1	78	6.266	6.266	0.0	95	238382	21.5	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	98	164177	0	
50 Propionitrile	1	54	6.426	6.426	0.0	1	261	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	15939	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	70	67160	22.1	
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	232970	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	45	32109	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	98	861571	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	85	77605	22.2	
56 Trichloroethene	1	95	6.975	6.975	0.0	95	57251	22.6	
58 2,4,4-Trimethyl-2-pentene	1	55	7.037	7.037	0.0	64	83685	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	88	38124	22.3	
S 61 1,3-Dichloropropene, Total	1	1				0		45.7	
60 1,2-Dichloropropane	1	63	7.663	7.663	0.0	59	48390	19.8	
62 Dichlorobromomethane	1	83	7.746	7.746	0.0	79	67966	23.1	
63 Methyl methacrylate	1	69	8.004	8.004	0.0	85	39407	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	59	6579	0	M
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	7225	0	M
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	665404	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	90	334837	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	57	77720	22.5	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	241343	20.7	
70 Toluene	1	92	9.192	9.192	0.0	93	117857	22.2	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	98	942978	0	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	53949	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	73	63392	25.1	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.831	9.831	0.0	96	516813	178.0	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	67	73277	23.2	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	96	989396	0	
78 1,1,2-Trichloroethane	1	83	10.109	10.109	0.0	79	42856	21.0	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	65	62335	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	87	62112	24.4	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	88	72391	21.4	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	97	57333	23.3	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	738201	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	95	387909	179.4	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	187755	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	96	144814	20.8	
87 Ethylbenzene	1	91	11.381	11.381	0.0	51	230747	19.8	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	89	50059	21.8	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	366886	40.6	
S 71 Xylenes, Total	1	1				0		60.7	
90 o-Xylene	1	91	12.035	12.035	0.0	96	185840	20.1	
91 Styrene	1	104	12.097	12.097	0.0	75	152187	20.7	
92 Bromoform	1	173	12.104	12.104	0.0	49	52756	21.7	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	234855	21.2	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	90582	19.3	
$ 94 BFB	1	95	12.667	12.667	0.0	97	90582	0	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	19147	0	
97 Bromobenzene	1	77	12.764	12.764	0.0	86	96171	18.4	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	76	273389	20.1	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	86	75408	17.2	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	96	160792	19.7	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	71	198051	20.9	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	53	20481	19.9	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	8	17807	18.2	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	92	171900	19.8	
105 tert-Butylbenzene	1	119	13.327	13.327	0.0	90	167838	21.4	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	85	199046	20.7	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	93	247589	20.8	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	96	205837	21.8	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	96	124990	21.5	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	107408	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	89	128941	20.4	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	96	194059	19.6	
113 Hexachloroethane	1	117	14.147	14.147	0.0	82	29174	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.175	0.0	97	116702	20.2	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	89	17437	19.4	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	96	83139	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	72	4186	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	83	40848	22.9	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	90	75128	20.4	
120 Naphthalene	1	128	15.774	15.774	0.0	96	197068	17.6	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	95	69772	20.2	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:10:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22917.D

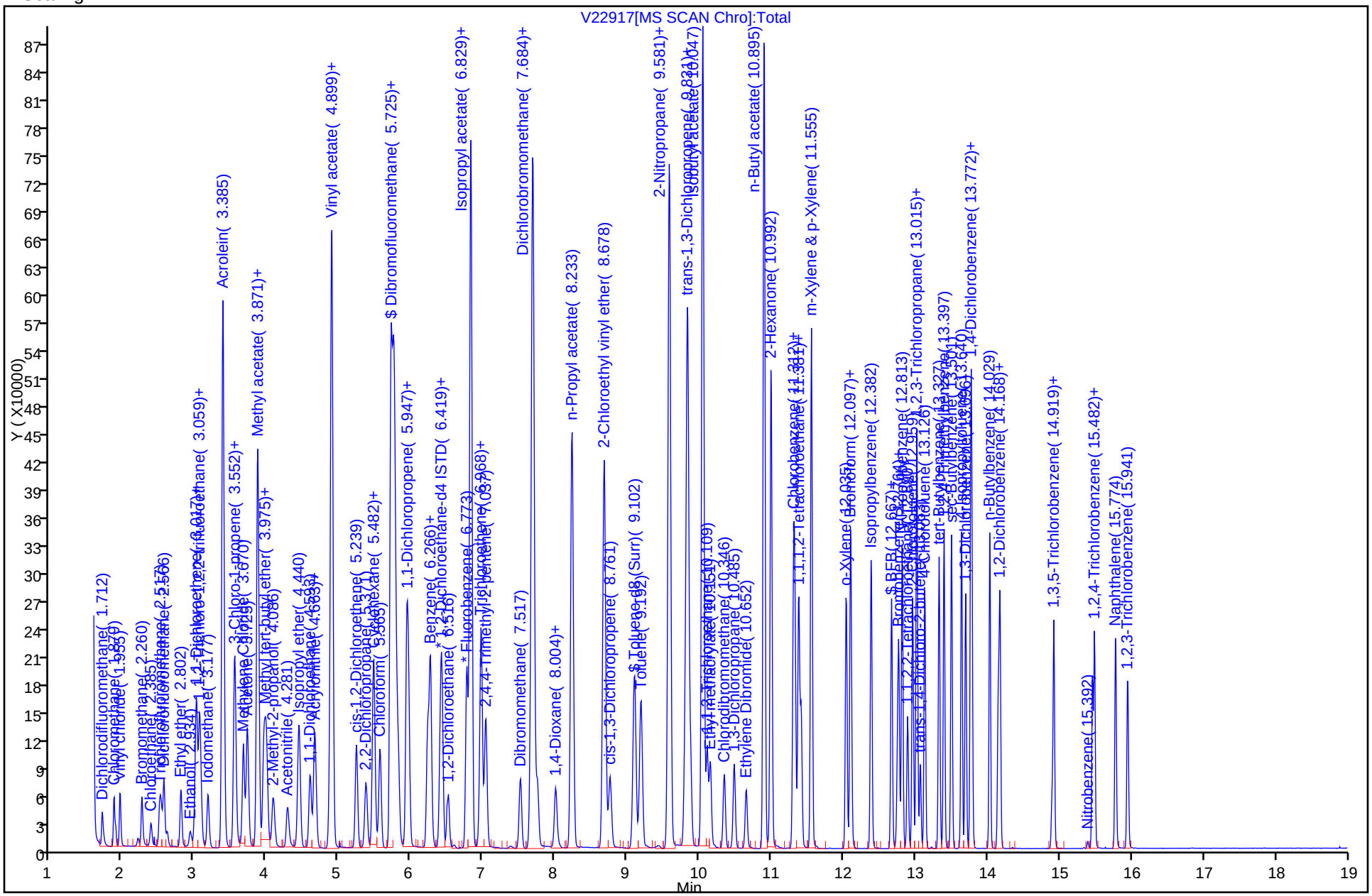
Injection Date: 08-Dec-2011 13:46:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84486 Lims Sample ID: 2

Operator ID: tph

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCVIS 360-84762/2 Calibration Date: 12/13/2011 15:04

Instrument ID: Agilent#2 GC/MS Calib Start Date: 11/29/2011 19:37

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/29/2011 22:31

Lab File ID: V22988.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	Ave	0.1683	0.2127		25.3	20.0	26.4	30.0
Chloromethane	Ave	0.2324	0.1951	0.1000	16.8	20.0	-16.0	30.0
Vinyl chloride	Ave	0.1915	0.1812		18.9	20.0	-5.4	20.0
Bromomethane	Ave	0.1260	0.1442		22.9	20.0	14.4	30.0
Chloroethane	Ave	0.1025	0.0965		18.8	20.0	-5.9	30.0
Trichlorofluoromethane	Ave	0.2661	0.3279		24.7	20.0	23.3	30.0
1,1-Dichloroethene	Ave	0.1950	0.2091		21.5	20.0	7.3	20.0
Carbon disulfide	Ave	0.5595	0.5658		20.2	20.0	1.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1415	0.1740		24.6	20.0	23.0	30.0
Methylene Chloride	Lin1		0.2641		20.7	20.0	3.5	30.0
Acetone	Ave	1.325	1.167		176	200	-11.9	30.0
trans-1,2-Dichloroethene	Ave	0.3407	0.3343		19.6	20.0	-1.9	30.0
Methyl acetate	Ave	0.2500	0.2156		173	200	-13.8	30.0
Methyl tert-butyl ether	Ave	0.6669	0.6793		20.4	20.0	1.9	30.0
1,1-Dichloroethane	Ave	0.4274	0.4041	0.1000	18.9	20.0	-5.4	30.0
Acrylonitrile	Ave	0.1175	0.1047		17.8	20.0	-10.9	30.0
cis-1,2-Dichloroethene	Ave	0.3417	0.3169		18.5	20.0	-7.3	30.0
2,2-Dichloropropane	Lin1		0.2562		23.5	20.0	17.5	30.0
Chloroform	Ave	0.4519	0.4530		20.0	20.0	0.2	20.0
Carbon tetrachloride	Ave	0.2572	0.3402		26.5	20.0	32.3*	30.0
Tetrahydrofuran	Ave	0.1262	0.1007		160	200	-20.2	30.0
1,1,1-Trichloroethane	Lin1		0.3753		23.7	20.0	18.5	30.0
2-Butanone (MEK)	Ave	2.299	1.823		159	200	-20.7	30.0
1,1-Dichloropropene	Ave	0.3191	0.3306		20.7	20.0	3.6	30.0
Benzene	Ave	0.9508	0.9338		19.6	20.0	-1.8	30.0
1,2-Dichloroethane	Ave	0.2615	0.2627		20.1	20.0	0.5	30.0
Methylcyclohexane	Ave	0.2996	0.2742		18.3	20.0	-8.5	30.0
Trichloroethene	Ave	0.2178	0.2270		20.8	20.0	4.2	30.0
Dibromomethane	Ave	0.1470	0.1455		19.8	20.0	-1.0	30.0
1,2-Dichloropropane	Ave	0.2098	0.1818		17.3	20.0	-13.3	20.0
Dichlorobromomethane	Ave	0.2529	0.2610		20.6	20.0	3.2	30.0
cis-1,3-Dichloropropene	Ave	0.2965	0.2929		19.8	20.0	-1.2	30.0
Toluene	Ave	0.4567	0.4608		20.2	20.0	0.9	20.0
Tetrachloroethene	Ave	0.2172	0.2574		23.7	20.0	18.5	30.0
4-Methyl-2-pentanone (MIBK)	Ave	3.643	2.788		153	200	-23.5	30.0
trans-1,3-Dichloropropene	Ave	0.2707	0.2761		20.4	20.0	2.0	30.0
1,1,2-Trichloroethane	Ave	0.1754	0.1652		18.8	20.0	-5.8	30.0
Chlorodibromomethane	Lin1		0.2379		21.8	20.0	9.0	30.0
1,3-Dichloropropane	Ave	0.2904	0.2751		19.0	20.0	-5.2	30.0
Ethylene Dibromide	Ave	0.2117	0.2203		20.8	20.0	4.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCVIS 360-84762/2 Calibration Date: 12/13/2011 15:04

Instrument ID: Agilent#2 GC/MS Calib Start Date: 11/29/2011 19:37

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/29/2011 22:31

Lab File ID: V22988.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
2-Hexanone	Ave	2.713	2.133		157	200	-21.4	30.0
Chlorobenzene	Ave	0.7400	0.7558	0.3000	20.4	20.0	2.1	30.0
Ethylbenzene	Ave	1.238	1.209		19.5	20.0	-2.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2445	0.2644		21.6	20.0	8.1	30.0
m-Xylene & p-Xylene	Ave	0.9615	0.9630		40.1	40.0	0.2	30.0
o-Xylene	Ave	0.9855	0.9906		20.1	20.0	0.5	30.0
Styrene	Ave	0.7817	0.7981		20.4	20.0	2.1	30.0
Bromoform	Lin1		0.4595	0.1000	20.3	20.0	1.5	30.0
Isopropylbenzene	Ave	1.182	1.243		21.0	20.0	5.2	30.0
Bromobenzene	Ave	0.5553	0.4969		17.9	20.0	-10.5	30.0
N-Propylbenzene	Ave	1.449	1.431		19.8	20.0	-1.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8157	0.6477	0.3000	15.9	20.0	-20.6	30.0
2-Chlorotoluene	Ave	0.8700	0.8566		19.7	20.0	-1.5	30.0
1,3,5-Trimethylbenzene	Ave	1.011	1.050		20.8	20.0	3.8	30.0
1,2,3-Trichloropropane	Ave	0.1095	0.1043		19.1	20.0	-4.7	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1044	0.0811		15.5	20.0	-22.4	30.0
4-Chlorotoluene	Ave	0.9235	0.8972		19.4	20.0	-2.8	30.0
tert-Butylbenzene	Ave	0.8354	0.8902		21.3	20.0	6.6	30.0
1,2,4-Trimethylbenzene	Ave	1.023	1.070		20.9	20.0	4.6	30.0
sec-Butylbenzene	Ave	1.266	1.291		20.4	20.0	1.9	30.0
4-Isopropyltoluene	Ave	1.008	1.093		21.7	20.0	8.5	30.0
1,3-Dichlorobenzene	Ave	0.6197	0.6884		22.2	20.0	11.1	30.0
1,4-Dichlorobenzene	Ave	1.178	1.171		19.9	20.0	-0.6	30.0
n-Butylbenzene	Ave	1.842	1.675		18.2	20.0	-9.1	30.0
1,2-Dichlorobenzene	Ave	1.074	1.057		19.7	20.0	-1.6	30.0
1,2-Dibromo-3-Chloropropane	Lin1		0.1478		17.7	20.0	-11.5	30.0
Hexachlorobutadiene	Ave	0.3325	0.3720		22.4	20.0	11.9	30.0
1,2,4-Trichlorobenzene	Ave	0.6846	0.6841		20.0	20.0	-0.0	30.0
Naphthalene	Lin1		1.788		17.2	20.0	-14.0	30.0
1,2,3-Trichlorobenzene	Ave	0.6425	0.6277		19.5	20.0	-2.3	30.0
Dibromofluoromethane	Ave	0.3469	0.3707		21.4	20.0	6.8	30.0
Toluene-d8 (Surr)	Ave	1.000	1.010		20.2	20.0	1.0	30.0
4-Bromofluorobenzene	Ave	0.5008	0.4954		19.8	20.0	-1.1	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22988.D
Lims ID: CCVIS Client ID:
Inject. Date: 13-Dec-2011 15:04:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 84762 Lims Sample ID: 2
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\WES2UNPR.m
Last Update: 15-Dec-2011 09:00:54 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 15-Dec-2011 09:00:54

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	86	48883	25.3	
2 Chloromethane	1	50	1.886	1.886	0.0	89	44842	16.8	
3 Vinyl chloride	1	62	1.969	1.969	0.0	84	41644	18.9	
4 Vinyl chloride (SIM)	2	62	1.967	1.967	0.0	0	43405	0	
5 Bromomethane	1	94	2.267	2.267	0.0	91	33129	22.9	
6 Chloroethane	1	64	2.392	2.392	0.0	93	22185	18.8	
7 Trichlorofluoromethane	1	101	2.517	2.517	0.0	96	75371	24.7	
8 Dichlorofluoromethane	1	67	2.573	2.573	0.0	74	74392	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	89	35863	0	
10 Ethanol	1	45	2.934	2.934	0.0	96	16307	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	74	47990	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	87	48066	21.5	
13 Carbon disulfide	1	76	3.059	3.059	0.0	98	130030	20.2	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	4	39994	24.6	
15 Iodomethane	1	142	3.177	3.177	0.0	97	87537	0	
16 Acrolein	1	56	3.392	3.392	0.0	95	498539	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	69	29016	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	90	210094	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	76	60687	20.7	
20 Acetone	1	43	3.725	3.725	0.0	100	189308	176.2	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	40	76832	19.6	
22 Methyl acetate	1	43	3.871	3.871	0.0	97	495469	172.5	
23 Hexane	1	57	3.961	3.961	0.0	57	89545	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	62	156133	20.4	
25 2-Methyl-2-propanol	1	59	4.093	4.093	0.0	14	78472	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	99	32424	0	
27 Isopropyl ether	1	45	4.447	4.447	0.0	92	135747	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	84	92876	18.9	
29 Acrylonitrile	1	53	4.663	4.663	0.0	61	24070	17.8	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	85	54302	0	
S 31 1,2-Dichloroethene, Total	1	1				0		38.2	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	37	145743	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	985609	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	65	72839	18.5	
35 2,2-Dichloropropane	1	77	5.378	5.378	0.0	84	58889	23.5	
36 Chlorobromomethane	1	130	5.482	5.482	0.0	80	48812	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	84	63310	0	
38 Chloroform	1	83	5.565	5.565	0.0	65	104111	20.0	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	641628	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	27	78192	26.5	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	71	231337	159.6	
42 sec-Butyl Alcohol	1	59	5.766	5.766	0.0	69	74858	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	71	85195	21.4	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	47	86250	23.7	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	98	295591	158.5	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	93	75973	20.7	
47 n-Heptane	1	43	6.225	6.225	0.0	90	50323	0	
48 Benzene	1	78	6.266	6.266	0.0	94	214610	19.6	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	98	149644	0	
50 Propionitrile	1	54	6.419	6.419	0.0	15	842	0	M
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	16219	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	78	60368	20.1	
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	229831	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	45	28191	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	98	773236	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	81	63016	18.3	
56 Trichloroethene	1	95	6.975	6.975	0.0	95	52178	20.8	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	66	72273	0	
59 Dibromomethane	1	93	7.510	7.510	0.0	88	33448	19.8	
60 1,2-Dichloropropane	1	63	7.663	7.663	0.0	57	41788	17.3	
S 61 1,3-Dichloropropene, Total	1	1				0		40.2	
62 Dichlorobromomethane	1	83	7.753	7.753	0.0	79	59978	20.6	
63 Methyl methacrylate	1	69	8.004	8.004	0.0	85	33724	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	66	6131	0	M
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	6555	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	579467	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	90	290608	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	66	67321	19.8	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	232091	20.2	
70 Toluene	1	92	9.192	9.192	0.0	88	105903	20.2	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	98	850796	0	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	51134	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	80	59154	23.7	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.838	9.838	0.0	95	452129	153.0	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	67	63448	20.4	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	96	891858	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.110	0.0	73	37973	18.8	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	72	61083	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	85	54670	21.8	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	88	63236	19.0	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	98	50623	20.8	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	666606	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	94	345997	157.2	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	83	174239	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	96	131689	20.4	
87 Ethylbenzene	1	91	11.374	11.374	0.0	51	210664	19.5	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	93	46060	21.6	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	335592	40.1	
S 71 Xylenes, Total	1	1				0		60.2	
90 o-Xylene	1	91	12.035	12.035	0.0	96	172594	20.1	
91 Styrene	1	104	12.097	12.097	0.0	75	139061	20.4	
92 Bromoform	1	173	12.111	12.111	0.0	62	47412	20.3	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	216593	21.0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	86323	19.8	
$ 94 BFB	1	95	12.667	12.667	0.0	97	86323	0	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	17285	0	
97 Bromobenzene	1	77	12.764	12.764	0.0	85	86587	17.9	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	76	249354	19.8	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	87	66831	15.9	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	96	149247	19.7	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	71	182977	20.8	
102 1,2,3-Trichloropropane	1	110	13.022	13.022	0.0	42	18176	19.1	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	4	14125	15.5	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	92	156325	19.4	
105 tert-Butylbenzene	1	119	13.327	13.327	0.0	89	155109	21.3	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	85	186460	20.9	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	224923	20.4	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	97	190517	21.7	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	90	119950	22.2	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	103187	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	89	120809	19.9	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	94	172860	18.2	
113 Hexachloroethane	1	117	14.148	14.148	0.0	81	29444	0	
114 1,2-Dichlorobenzene	1	146	14.168	14.168	0.0	98	109083	19.7	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	85	15247	17.7	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	96	80185	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	76	3874	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	82	38383	22.4	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	94	70593	20.0	
120 Naphthalene	1	128	15.774	15.774	0.0	96	184520	17.2	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	96	64769	19.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 15-Dec-2011 09:00:56 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22988.D

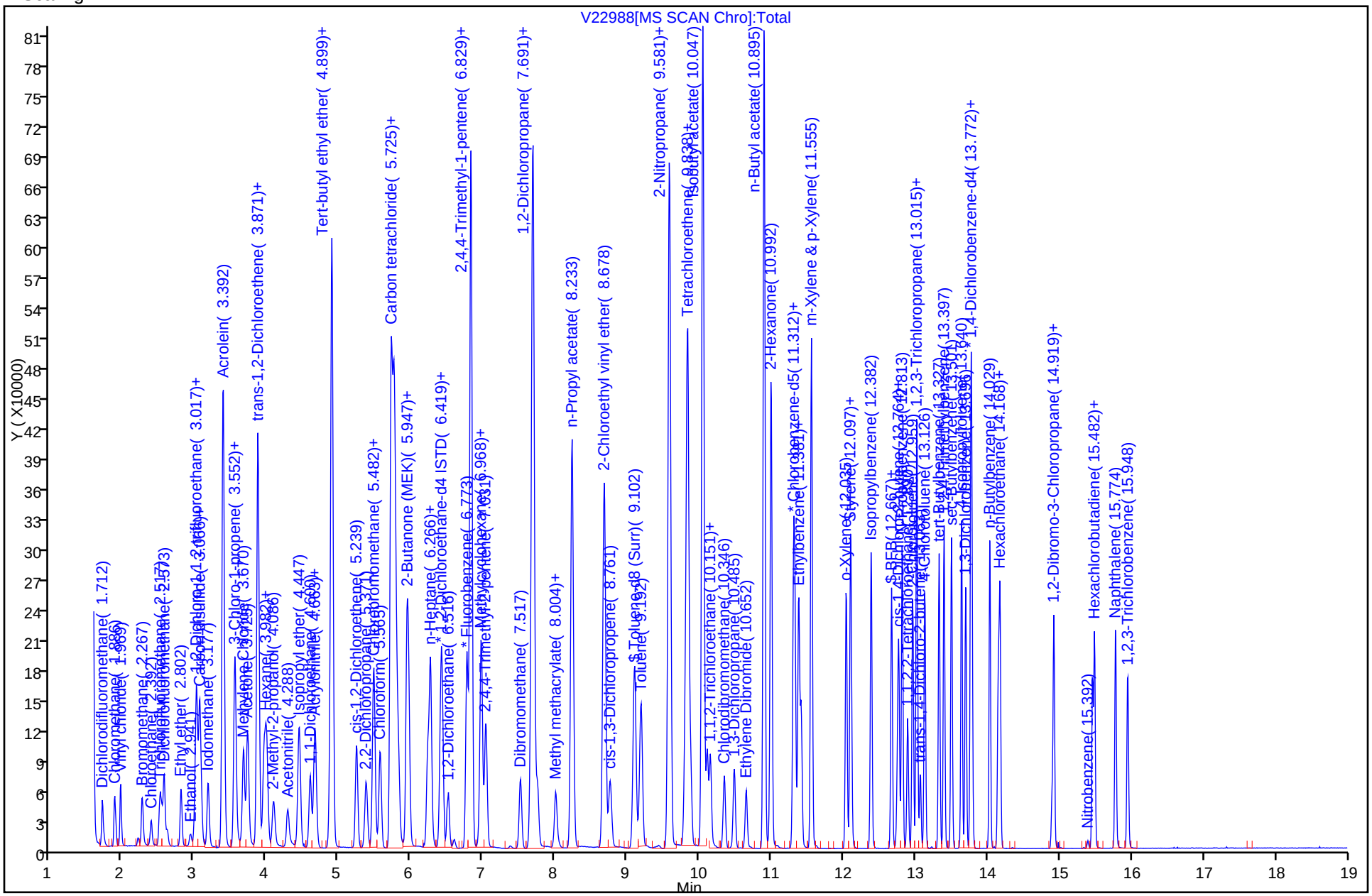
Injection Date: 13-Dec-2011 15:04:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84762 Lims Sample ID: 2

Operator ID: tph

Y Scaling:



Report Date: 01-Dec-2011 11:13:17 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22677.D
Lims ID: BFB Client ID:
Inject. Date: 29-Nov-2011 19:15:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 84017 Lims Sample ID: 1
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:13:16 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:13:16

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	71	109070	20.1	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	21281	20.0	
* 53 Fluorobenzene	1	96	6.774	6.774	0.0	99	313023	20.0	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	309674	19.8	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	86	223455	20.0	
$ 94 BFB	1	95	12.667	12.667	0.0	92	110276	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	92	110276	19.7	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	94	119597	20.0	

Report Date: 01-Dec-2011 11:13:17 Chrom Revision: 2.0 29-Sep-2011 09:38:02

MS Tune Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22677.D

Injection Date: 29-Nov-2011 19:15:30 Limit Group: VMS - 8260B VOA Calibration RCP

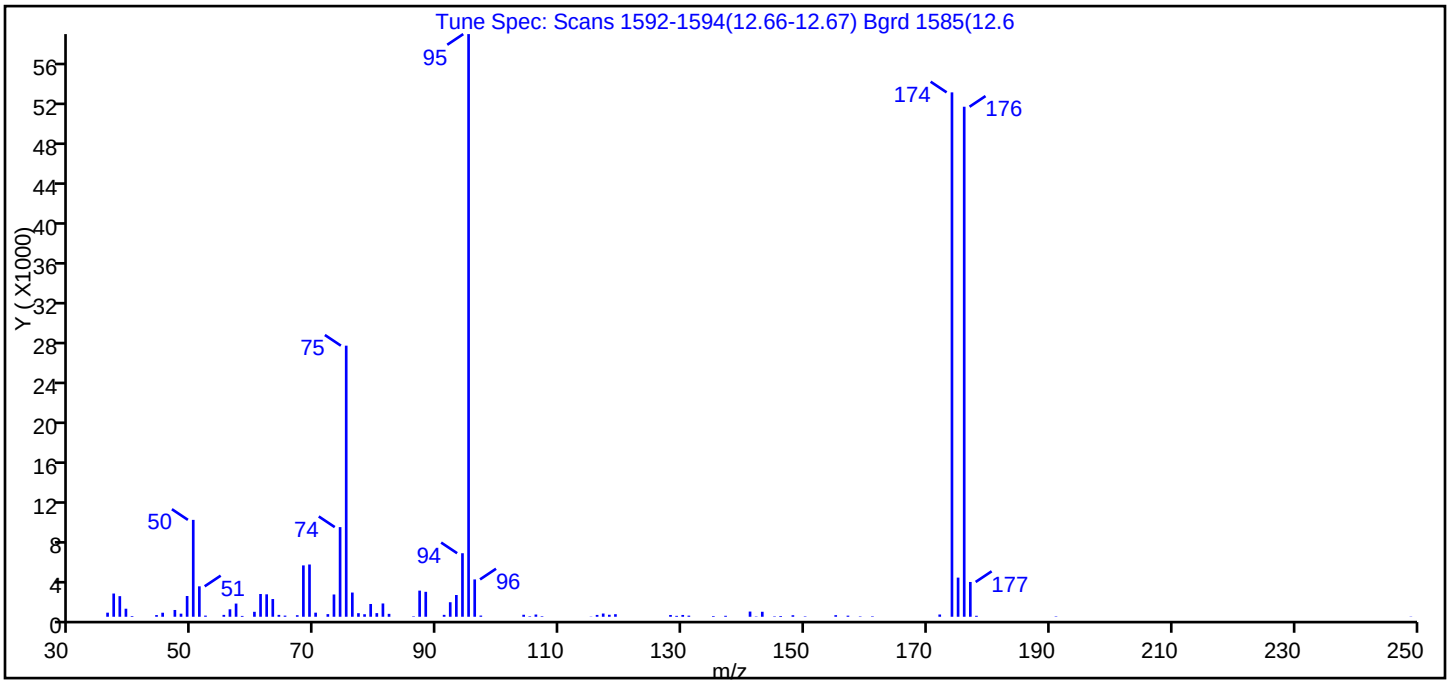
Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 1

Operator ID: tph

Tune Method: BFB Method 8260

$ 94 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.63
75	30.00 - 60.00% of mass 95	46.53
96	5.00 - 9.00% of mass 95	6.41
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	90.00
175	5.00 - 9.00% of mass 174	6.72 (7.47)
176	95.00 - 101.00% of mass 174	87.53 (97.26)
177	5.00 - 9.00% of mass 176	5.97 (6.82)

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22677.D\WES2UNPR.rslt\spectra.d
Injection Date: 29-Nov-2011 19:15:30
Spectrum: Tune Spec: Scans 1592-1594(12.66-12.67) Bgrd 1585(12.6
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 82

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	408	64.00	187	92.00	1450	141.00	519
37.00	2317	65.00	115	93.00	2169	142.00	36
38.00	2055	67.00	155	94.00	6334	143.00	499
39.00	803	68.00	5121	95.00	58080	145.00	45
40.00	69	69.00	5210	96.00	3723	146.00	77
44.00	169	70.00	408	97.00	120	148.00	153
45.00	403	72.00	263	104.00	201	150.00	44
47.00	677	73.00	2222	105.00	49	155.00	159
48.00	309	74.00	8937	106.00	223	157.00	111
49.00	2069	75.00	27024	107.00	56	159.00	41
50.00	9659	76.00	2415	115.00	22	161.00	49
51.00	3035	77.00	358	116.00	183	172.00	226
52.00	116	78.00	252	117.00	323	174.00	52272
55.00	188	79.00	1274	118.00	200	175.00	3903
56.00	746	80.00	364	119.00	257	176.00	50840
57.00	1316	81.00	1326	128.00	178	177.00	3469
58.00	84	82.00	291	129.00	92	178.00	99
60.00	495	86.00	47	130.00	180	191.00	40
61.00	2269	87.00	2606	131.00	113	249.00	24
62.00	2238	88.00	2487	135.00	67		
63.00	1767	91.00	191	137.00	98		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22916.D
Lims ID: BFB Client ID:
Inject. Date: 08-Dec-2011 13:24:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 84486 Lims Sample ID: 1
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m
Last Update: 09-Dec-2011 12:08:04 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 09-Dec-2011 12:08:04

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	86	38589	19.9	
2 Chloromethane	1	50	1.879	1.879	0.0	88	44501	16.6	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	44020	0	
3 Vinyl chloride	1	62	1.962	1.962	0.0	84	42873	19.4	
5 Bromomethane	1	94	2.261	2.261	0.0	90	32346	22.3	
6 Chloroethane	1	64	2.386	2.386	0.0	92	21837	18.5	
7 Trichlorofluoromethane	1	101	2.524	2.524	0.0	95	71246	23.3	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	72	69475	0	
9 Ethyl ether	1	59	2.809	2.809	0.0	89	38428	0	
10 Ethanol	1	45	2.934	2.934	0.0	96	28979	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	76	43533	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	88	47495	21.2	
13 Carbon disulfide	1	76	3.066	3.066	0.0	98	120842	18.8	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	19	38690	23.8	
15 Iodomethane	1	142	3.184	3.184	0.0	97	74472	0	
16 Acrolein	1	56	3.392	3.392	0.0	94	651825	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	59	27202	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	93	260167	0	
19 Methylene Chloride	1	84	3.677	3.677	0.0	76	66679	22.8	
20 Acetone	1	43	3.732	3.732	0.0	100	220499	207.6	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	33	78231	19.9	
22 Methyl acetate	1	43	3.878	3.878	0.0	97	538237	187.0	
23 Hexane	1	57	3.961	3.961	0.0	57	102099	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	88	170947	22.3	
25 2-Methyl-2-propanol	1	59	4.086	4.086	0.0	13	100717	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	99	39167	0	
27 Isopropyl ether	1	45	4.447	4.447	0.0	93	150262	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	85	97581	19.8	
29 Acrylonitrile	1	53	4.663	4.663	0.0	72	28141	20.8	
30 Halothane	1	117	4.663	4.663	0.0	86	51907	0	

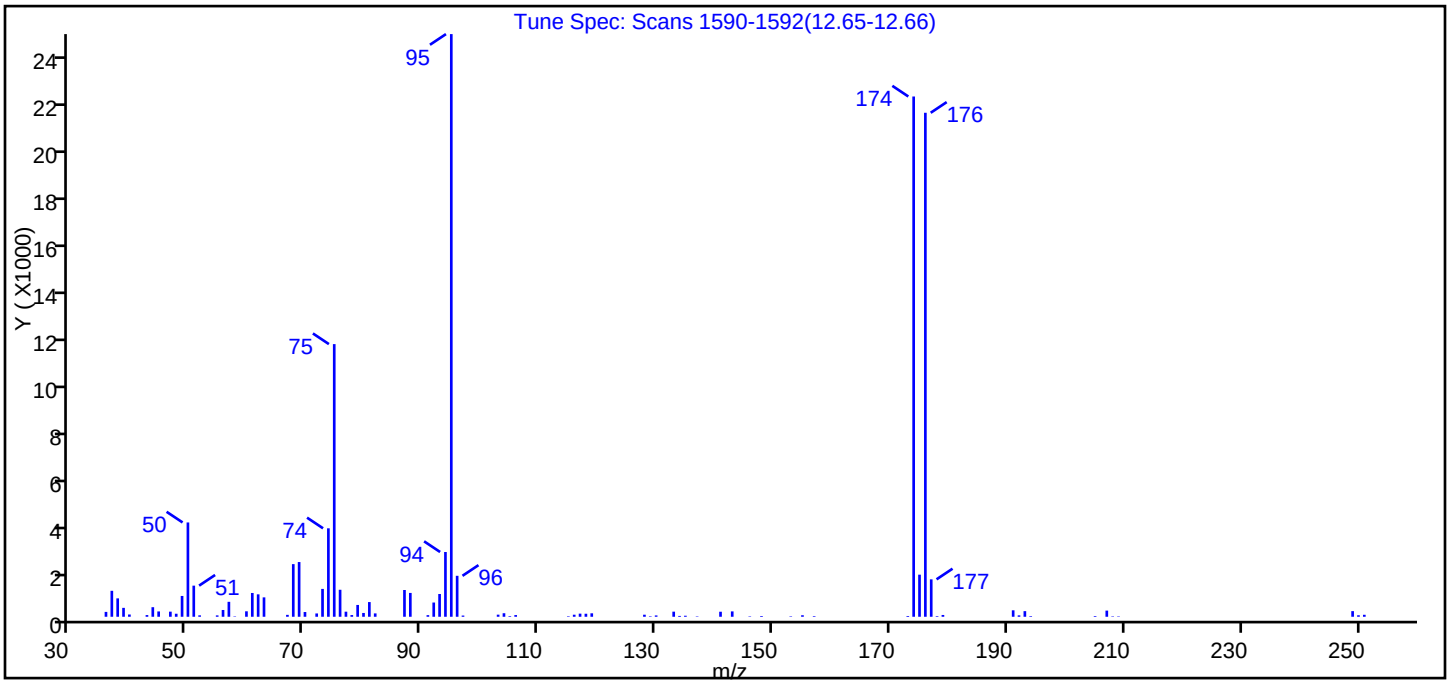
Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		39.7	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	38	158881	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	1116150	0	
34 cis-1,2-Dichloroethene	1	61	5.246	5.246	0.0	66	77860	19.8	
35 2,2-Dichloropropane	1	77	5.378	5.378	0.0	81	56350	22.5	
36 Chlorobromomethane	1	130	5.482	5.482	0.0	82	50845	0	
37 Cyclohexane	1	56	5.489	5.489	0.0	86	72474	0	
38 Chloroform	1	83	5.572	5.572	0.0	65	110401	21.2	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	729384	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	24	80698	27.2	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	72	279003	192.1	
42 sec-Butyl Alcohol	1	59	5.773	5.773	0.0	69	90229	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	58	87232	21.8	
44 1,1,1-Trichloroethane	1	97	5.822	5.822	0.0	34	86043	23.6	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	99	341421	185.1	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	92	78039	21.2	
47 n-Heptane	1	43	6.232	6.232	0.0	89	62340	0	
48 Benzene	1	78	6.266	6.266	0.0	95	225904	20.6	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	98	163226	0	
50 Propionitrile	1	54	6.433	6.433	0.0	1	276	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	16041	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	72	66701	22.2	
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	230246	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	45	30486	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	870368	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	84	74416	21.6	
56 Trichloroethene	1	95	6.975	6.975	0.0	94	53420	21.3	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	64	81738	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	86	37576	22.2	
S 61 1,3-Dichloropropene, Total	1	1				0		45.4	
60 1,2-Dichloropropane	1	63	7.663	7.663	0.0	61	46959	19.4	
62 Dichlorobromomethane	1	83	7.746	7.746	0.0	78	65419	22.5	
63 Methyl methacrylate	1	69	8.011	8.011	0.0	87	38925	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	72	6107	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	7736	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	666222	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	89	327844	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	75	76086	22.3	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	92	240670	20.9	
70 Toluene	1	92	9.192	9.192	0.0	92	111797	21.3	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	98	970070	0	
72 2-Nitropropane	1	39	9.588	9.588	0.0	65	53733	0	
74 Tetrachloroethene	1	166	9.811	9.811	0.0	50	60433	24.2	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.838	9.838	0.0	96	532723	182.3	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	72	71979	23.1	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	996921	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.110	0.0	82	42055	20.8	
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	88	61178	24.3	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	89	69444	20.8	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	99	55705	22.9	
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	733799	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43	10.992	10.992	0.0	95	393841	181.0	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	83	183007	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	96	137597	20.3	
87 Ethylbenzene	1	91	11.381	11.381	0.0	51	219066	19.3	
88 1,1,1,2-Tetrachloroethane	1	131	11.416	11.416	0.0	88	49899	22.3	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	347671	39.5	
S 71 Xylenes, Total	1	1				0		59.4	
90 o-Xylene	1	91	12.042	12.042	0.0	96	179528	19.9	
91 Styrene	1	104	12.097	12.097	0.0	75	143978	20.1	
92 Bromoform	1	173	12.111	12.111	0.0	65	52374	21.1	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	227134	21.0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	98	88472	19.3	
$ 94 BFB	1	95	12.667	12.667	0.0	98	88472	0	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	22003	0	
97 Bromobenzene	1	77	12.764	12.764	0.0	86	93136	18.3	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	74	261961	19.8	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	86	77635	17.3	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	96	155505	19.5	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	67	191867	20.7	
102 1,2,3-Trichloropropane	1	110	13.022	13.022	0.0	43	19921	19.9	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	6	19711	20.6	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	92	166871	19.7	
105 tert-Butylbenzene	1	119	13.327	13.327	0.0	85	164065	21.5	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	85	194081	20.7	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	93	240969	20.8	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	96	202165	21.9	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	90	124545	22.0	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	109894	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	88	128343	19.8	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	96	190981	18.9	
113 Hexachloroethane	1	117	14.148	14.148	0.0	84	30094	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.175	0.0	99	118033	20.0	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	89	18794	20.4	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	81830	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	71	4446	0	
118 Hexachlorobutadiene	1	225	15.461	15.461	0.0	78	41446	22.7	
119 1,2,4-Trichlorobenzene	1	180	15.489	15.489	0.0	92	77105	20.5	
120 Naphthalene	1	128	15.781	15.781	0.0	96	210154	18.4	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	95	72210	20.5	

MS Tune Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22916.D
Injection Date: 08-Dec-2011 13:24:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 1
Operator ID: tph
Tune Method: BFB Method 8260

$ 94 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.19
75	30.00 - 60.00% of mass 95	46.79
96	5.00 - 9.00% of mass 95	7.03
173	Less than 2.00% of mass 174	0.13 (0.15)
174	Greater than 50.00% of mass 95	89.29
175	5.00 - 9.00% of mass 174	7.22 (8.09)
176	95.00 - 101.00% of mass 174	86.50 (96.87)
177	5.00 - 9.00% of mass 176	6.42 (7.43)

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22916.D\WES2UNPR.rslt\spectra.d
Injection Date: 08-Dec-2011 13:24:30
Spectrum: Tune Spec: Scans 1590-1592(12.65-12.66)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 87

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	201	67.00	79	96.00	1691	153.00	19
37.00	1072	68.00	2173	97.00	50	155.00	63
38.00	760	69.00	2259	103.00	87	157.00	26
39.00	368	70.00	196	104.00	146	173.00	32
40.00	94	72.00	137	105.00	26	174.00	21480
43.00	70	73.00	1150	106.00	70	175.00	1738
44.00	395	74.00	3652	115.00	21	176.00	20808
45.00	220	75.00	11257	116.00	85	177.00	1545
47.00	211	76.00	1115	117.00	129	178.00	26
48.00	125	77.00	210	118.00	125	179.00	74
49.00	859	78.00	70	119.00	143	191.00	267
50.00	3894	79.00	488	128.00	85	192.00	58
51.00	1285	80.00	157	129.00	20	193.00	232
52.00	59	81.00	607	130.00	55	194.00	26
55.00	57	82.00	139	133.00	211	205.00	29
56.00	280	87.00	1105	134.00	35	207.00	254
57.00	617	88.00	984	135.00	43	208.00	18
58.00	17	91.00	67	137.00	17	209.00	17
60.00	226	92.00	588	141.00	208	249.00	233
61.00	982	93.00	940	143.00	222	250.00	62
62.00	926	94.00	2674	146.00	18	251.00	82
63.00	801	95.00	24056	148.00	30		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22987.D
Lims ID: BFB Client ID:
Inject. Date: 13-Dec-2011 14:42:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 84762 Lims Sample ID: 1
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\WES2UNPR.m
Last Update: 15-Dec-2011 08:53:18 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 15-Dec-2011 08:53:18

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	85	46105	23.1	
2 Chloromethane	1	50	1.886	1.886	0.0	88	42704	15.5	
4 Vinyl chloride (SIM)	2	62	1.974	1.974	0.0	0	41534	0	
3 Vinyl chloride	1	62	1.969	1.969	0.0	83	40629	17.9	
5 Bromomethane	1	94	2.260	2.260	0.0	90	31815	21.3	
6 Chloroethane	1	64	2.392	2.392	0.0	94	21534	17.7	
7 Trichlorofluoromethane	1	101	2.510	2.510	0.0	84	70445	22.3	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	71	70256	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	90	36503	0	
10 Ethanol	1	45	2.934	2.934	0.0	96	15895	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	72	45620	0	
12 1,1-Dichloroethene	1	96	3.017	3.017	0.0	88	46022	19.9	
13 Carbon disulfide	1	76	3.059	3.059	0.0	98	130284	19.6	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	48	39704	23.6	
15 Iodomethane	1	142	3.177	3.177	0.0	97	85540	0	
16 Acrolein	1	56	3.385	3.385	0.0	95	512181	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	69	28150	0	
18 Isopropyl alcohol	1	45	3.559	3.559	0.0	92	207076	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	75	60707	20.1	
20 Acetone	1	43	3.725	3.725	0.0	99	194484	177.3	
21 trans-1,2-Dichloroethene	1	61	3.857	3.857	0.0	44	75038	18.5	
22 Methyl acetate	1	43	3.871	3.871	0.0	97	513427	172.9	
23 Hexane	1	57	3.954	3.954	0.0	53	86863	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	61	157148	19.8	
25 2-Methyl-2-propanol	1	59	4.093	4.093	0.0	12	78075	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	100	32684	0	
27 Isopropyl ether	1	45	4.440	4.440	0.0	93	137382	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	85	92501	18.2	
29 Acrylonitrile	1	53	4.656	4.656	0.0	66	23984	17.2	
30 Halothane	1	117	4.663	4.663	0.0	82	52293	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		36.5	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	36	148332	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	1008890	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	65	72862	18.0	
35 2,2-Dichloropropane	1	77	5.378	5.378	0.0	85	56251	21.7	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	80	48711	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	78	61003	0	
38 Chloroform	1	83	5.565	5.565	0.0	65	103340	19.3	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	664500	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	26	74261	24.3	
40 Tetrahydrofuran	1	42	5.752	5.752	0.0	71	241005	160.9	
42 sec-Butyl Alcohol	1	59	5.766	5.766	0.0	68	74809	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	69	87670	21.3	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	46	82310	21.9	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	98	304536	159.9	
46 1,1-Dichloropropene	1	75	5.961	5.961	0.0	75	73718	19.5	
47 n-Heptane	1	43	6.231	6.231	0.0	91	50106	0	
48 Benzene	1	78	6.266	6.266	0.0	95	212543	18.8	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	97	147297	0	
50 Propionitrile	1	54	6.433	6.433	0.0	1	258	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.426	0.0	0	16567	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	72	61003	19.6	
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	237512	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	45	27181	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	98	789228	0	
57 Methylcyclohexane	1	83	6.961	6.961	0.0	85	62027	17.4	
56 Trichloroethene	1	95	6.975	6.975	0.0	95	51492	19.9	
58 2,4,4-Trimethyl-2-pentene	1	55	7.037	7.037	0.0	66	71270	0	
59 Dibromomethane	1	93	7.510	7.510	0.0	89	34379	19.7	
S 61 1,3-Dichloropropene, Total	1	1				0		39.2	
60 1,2-Dichloropropane	1	63	7.656	7.656	0.0	64	41321	16.6	
62 Dichlorobromomethane	1	83	7.753	7.753	0.0	78	57837	19.3	
63 Methyl methacrylate	1	69	8.003	8.003	0.0	82	35108	0	
65 1,4-Dioxane	1	88	8.059	8.059	0.0	44	5361	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	5758	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	612899	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	90	302351	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	81	67933	19.3	
$ 69 Toluene-d8 (Surr)	1	98	9.095	9.095	0.0	93	241448	20.3	
70 Toluene	1	92	9.192	9.192	0.0	93	104748	19.3	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	98	868279	0	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	50977	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	82	57889	22.4	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.838	9.838	0.0	95	466121	154.5	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	67	64011	19.9	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	96	907271	0	
78 1,1,2-Trichloroethane	1	83	10.109	10.109	0.0	71	38595	18.5	
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	85	55241	21.3	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	88	64357	18.7	
82 Ethylene Dibromide	1	107	10.651	10.651	0.0	97	52096	20.7	
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	693553	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43	10.992	10.992	0.0	95	350842	156.1	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	179272	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	96	131213	19.8	
87 Ethylbenzene	1	91	11.374	11.374	0.0	51	204236	18.4	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	87	44458	20.3	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	324660	37.7	
S 71 Xylenes, Total	1	1				0		56.4	
90 o-Xylene	1	91	12.035	12.035	0.0	96	165013	18.7	
91 Styrene	1	104	12.097	12.097	0.0	76	136579	19.5	
92 Bromoform	1	173	12.104	12.104	0.0	49	46418	20.2	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	203735	19.2	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	85906	19.1	
$ 94 BFB	1	95	12.667	12.667	0.0	97	85906	0	
96 cis-1,4-Dichloro-2-butene	1	88	12.750	12.750	0.0	0	17632	0	
97 Bromobenzene	1	77	12.764	12.764	0.0	86	85970	17.3	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	74	239335	18.4	
99 1,1,2,2-Tetrachloroethane	1	83	12.889	12.889	0.0	95	65867	15.9	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	97	141439	18.1	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	68	173396	19.1	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	53	18531	18.9	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	8	14046	15.0	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	92	152685	18.4	
105 tert-Butylbenzene	1	119	13.327	13.327	0.0	90	145742	19.5	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	95	175823	19.2	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	93	210296	18.5	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	96	177576	19.7	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	96	112004	20.2	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	101660	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	88	114238	19.1	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	93	162038	17.3	
113 Hexachloroethane	1	117	14.147	14.147	0.0	82	26982	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.175	0.0	98	103751	19.0	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	87	15718	18.5	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	96	75205	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	73	3773	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	81	36711	21.7	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	91	67473	19.4	
120 Naphthalene	1	128	15.774	15.774	0.0	96	177104	16.7	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	93	62938	19.3	

Report Date: 15-Dec-2011 08:53:19 Chrom Revision: 2.0 29-Sep-2011 09:38:02

MS Tune Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22987.D

Injection Date: 13-Dec-2011 14:42:30 Limit Group: VMS - 8260B VOA Calibration RCP

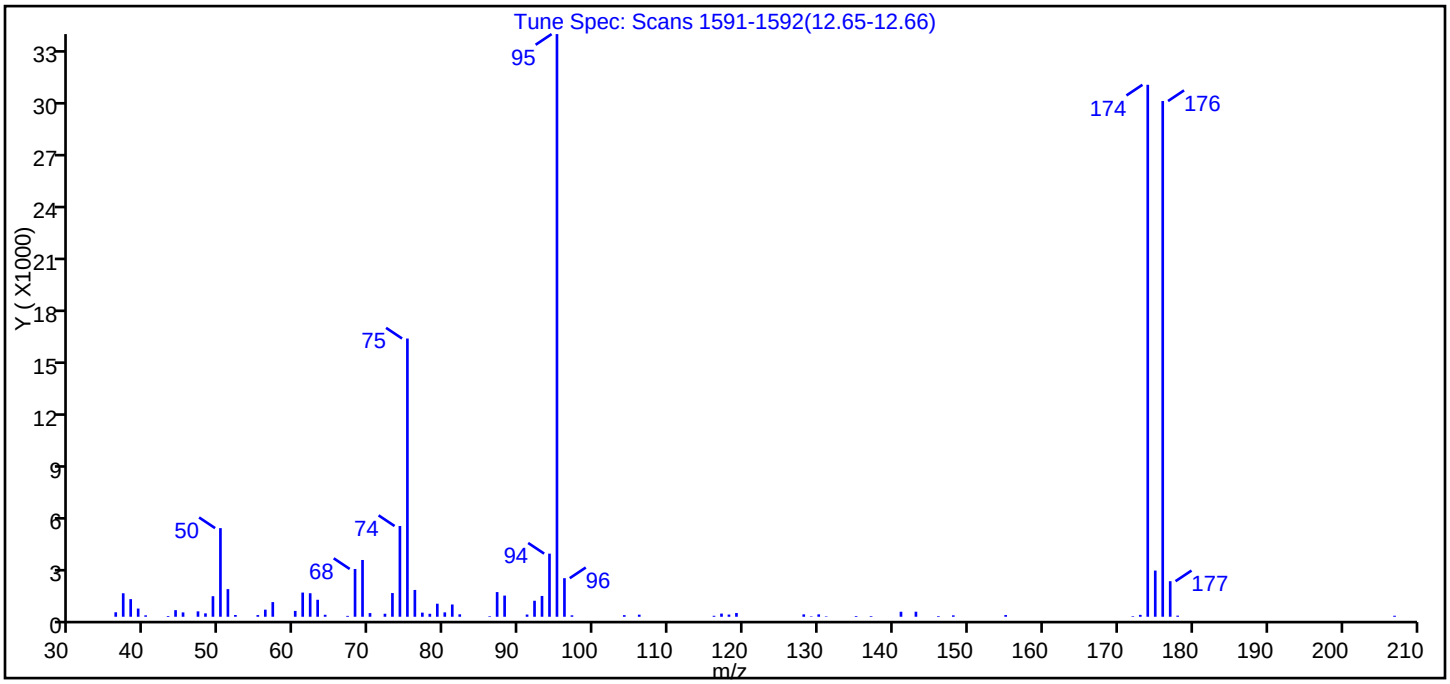
Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84762 Lims Sample ID: 1

Operator ID: tph

Tune Method: BFB Method 8260

$ 94 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.21
75	30.00 - 60.00% of mass 95	47.76
96	5.00 - 9.00% of mass 95	6.62
173	Less than 2.00% of mass 174	0.33 (0.36)
174	Greater than 50.00% of mass 95	91.30
175	5.00 - 9.00% of mass 174	7.93 (8.69)
176	95.00 - 101.00% of mass 174	88.51 (96.95)
177	5.00 - 9.00% of mass 176	6.10 (6.90)

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22987.D\WES2UNPR.rslt\spectra.d
Injection Date: 13-Dec-2011 14:42:30
Spectrum: Tune Spec: Scans 1591-1592(12.65-12.66)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	257	61.00	1383	82.00	140	129.00	26
37.00	1343	62.00	1344	86.00	33	130.00	137
38.00	1007	63.00	972	87.00	1410	131.00	27
39.00	469	64.00	114	88.00	1210	135.00	43
40.00	82	67.00	51	91.00	127	137.00	38
43.00	44	68.00	2730	92.00	915	141.00	287
44.00	378	69.00	3244	93.00	1190	143.00	289
45.00	250	70.00	211	94.00	3607	146.00	38
47.00	309	72.00	173	95.00	33288	148.00	81
48.00	195	73.00	1355	96.00	2205	155.00	98
49.00	1175	74.00	5184	97.00	82	172.00	33
50.00	5064	75.00	15897	104.00	92	173.00	109
51.00	1579	76.00	1532	106.00	120	174.00	30392
52.00	101	77.00	237	116.00	57	175.00	2640
55.00	96	78.00	170	117.00	182	176.00	29464
56.00	406	79.00	746	118.00	126	177.00	2032
57.00	838	80.00	251	119.00	216	178.00	65
60.00	335	81.00	702	128.00	137	207.00	59

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: MB 360-84486/6

Matrix: Water Lab File ID: V22921.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 15:13

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.20
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.20
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
75-34-3	1,1-Dichloroethane	ND		1.0	0.20
75-35-4	1,1-Dichloroethene	ND		1.0	0.20
563-58-6	1,1-Dichloropropene	ND		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.20
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.20
78-87-5	1,2-Dichloropropane	ND		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.20
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.20
142-28-9	1,3-Dichloropropane	ND		1.0	0.20
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.20
594-20-7	2,2-Dichloropropane	ND		1.0	0.20
78-93-3	2-Butanone (MEK)	ND		10	1.3
95-49-8	2-Chlorotoluene	ND		1.0	0.20
591-78-6	2-Hexanone	ND		10	2.0
106-43-4	4-Chlorotoluene	ND		1.0	0.20
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.0
67-64-1	Acetone	ND		50	20
107-13-1	Acrylonitrile	ND		0.50	0.20
71-43-2	Benzene	ND		1.0	0.20
108-86-1	Bromobenzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.20
74-83-9	Bromomethane	ND		2.0	0.20
75-15-0	Carbon disulfide	ND		10	0.20
56-23-5	Carbon tetrachloride	ND		1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: MB 360-84486/6

Matrix: Water Lab File ID: V22921.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 15:13

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		0.50	0.20
75-00-3	Chloroethane	ND		2.0	0.21
67-66-3	Chloroform	ND		1.0	0.20
74-87-3	Chloromethane	ND		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.20
74-95-3	Dibromomethane	ND		1.0	0.20
75-27-4	Dichlorobromomethane	ND		0.50	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.20
106-93-4	Ethylene Dibromide	ND		1.0	0.20
87-68-3	Hexachlorobutadiene	ND		0.40	0.20
98-82-8	Isopropylbenzene	ND		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		2.0	1.0
104-51-8	n-Butylbenzene	ND		1.0	0.20
103-65-1	N-Propylbenzene	ND		1.0	0.20
91-20-3	Naphthalene	ND		5.0	2.0
95-47-6	o-Xylene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
98-06-6	tert-Butylbenzene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		10	0.44
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.33
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		0.50	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: MB 360-84486/6

Matrix: Water Lab File ID: V22921.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 15:13

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.: 84486 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane	108		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130

Report Date: 13-Dec-2011 09:40:04 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22921.D
Lims ID: MB Client ID:
Inject. Date: 08-Dec-2011 15:13:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 84486 Lims Sample ID: 6
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m
Last Update: 09-Dec-2011 12:18:17 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 13-Dec-2011 09:40:03

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.872					
3 Vinyl chloride	1	62		1.955					
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	35	0	
5 Bromomethane	1	94		2.260					
6 Chloroethane	1	64		2.385					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.566					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45		2.934					
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96		3.024					
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.073					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.385					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	92	9949	0	
19 Methylene Chloride	1	84		3.670					
20 Acetone	1	43	3.726	3.725	0.001	96	10397	10.3	
21 trans-1,2-Dichloroethene	1	61		3.864					
22 Methyl acetate	1	43		3.871					
23 Hexane	1	57		3.961					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.079					
26 Acetonitrile	1	40		4.281					
27 Isopropyl ether	1	45		4.440					
28 1,1-Dichloroethane	1	63		4.593					
29 Acrylonitrile	1	53		4.656					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1		4.749					7
33 Tert-butyl ethyl ether	1	59		4.885					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61		5.239					
35 2,2-Dichloropropane	1	77		5.371					
36 Chlorobromomethane	1	130		5.475					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83		5.565					
39 Ethyl acetate	1	43	5.725	5.718	0.007	60	1059	0	
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.766					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	55	83975	21.5	
44 1,1,1-Trichloroethane	1	97		5.815					
45 2-Butanone (MEK)	1	43		5.940					
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.232					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.426					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	15207	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	224854	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.822					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.968					
56 Trichloroethene	1	95		6.975					
58 2,4,4-Trimethyl-2-pentene	1	55		7.037					
59 Dibromomethane	1	93		7.517					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.746					
63 Methyl methacrylate	1	69		8.004					
65 1,4-Dioxane	1	88		8.045					
64 1,4-Dioxane (SIM)	2	88		8.050					
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	92	227739	20.3	
70 Toluene	1	92		9.192					
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166		9.804					
75 4-Methyl-2-pentanone (MIBK)	1	43		9.831					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.109					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43		10.895					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43		10.992					
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	82	179760	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.381					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.104					
93 Isopropylbenzene	1	105		12.382					
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	88386	19.6	
$ 94 BFB	1	95	12.667	12.667	0.0	97	88386	0	
96 cis-1,4-Dichloro-2-butene	1	88		12.751					
97 Bromobenzene	1	77		12.764					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
101 1,3,5-Trimethylbenzene	1	105		13.015					
102 1,2,3-Trichloropropane	1	110		13.015					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119		13.327					
106 1,2,4-Trimethylbenzene	1	105		13.397					
107 sec-Butylbenzene	1	105		13.501					
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146		13.696					
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	101420	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.147					
114 1,2-Dichlorobenzene	1	146		14.175					
115 1,2-Dibromo-3-Chloropropane	1	157		14.898					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128		15.774					
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 13-Dec-2011 09:40:04 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22921.D

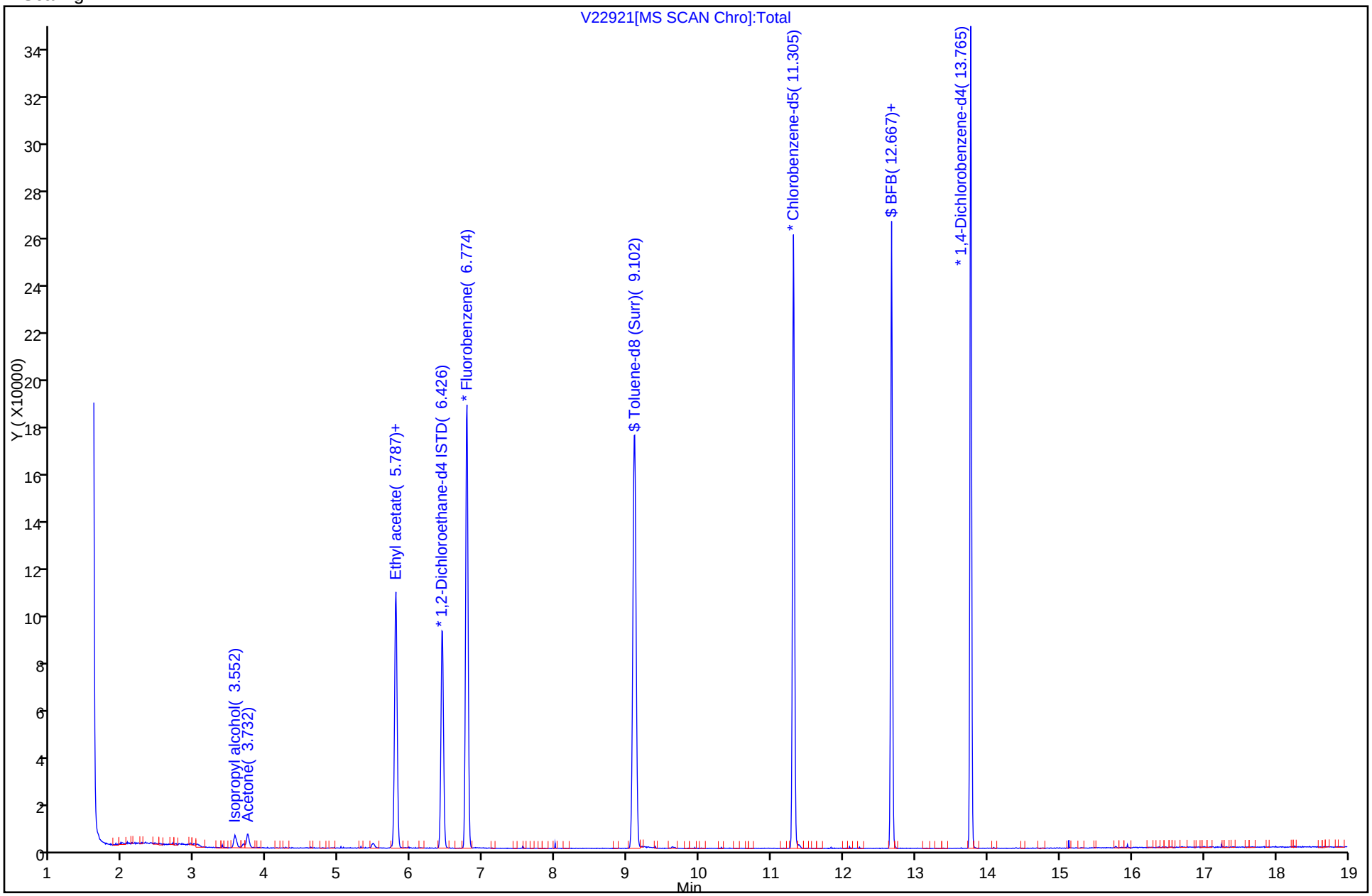
Injection Date: 08-Dec-2011 15:13:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84486 Lims Sample ID: 6

Operator ID: tph

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: MB 360-84762/6

Matrix: Water Lab File ID: V22992.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/13/2011 16:31

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.: 84762 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.20
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.20
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
75-34-3	1,1-Dichloroethane	ND		1.0	0.20
75-35-4	1,1-Dichloroethene	ND		1.0	0.20
563-58-6	1,1-Dichloropropene	ND		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.20
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.20
78-87-5	1,2-Dichloropropane	ND		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.20
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.20
142-28-9	1,3-Dichloropropane	ND		1.0	0.20
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.20
594-20-7	2,2-Dichloropropane	ND		1.0	0.20
78-93-3	2-Butanone (MEK)	ND		10	1.3
95-49-8	2-Chlorotoluene	ND		1.0	0.20
591-78-6	2-Hexanone	ND		10	2.0
106-43-4	4-Chlorotoluene	ND		1.0	0.20
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.0
67-64-1	Acetone	ND		50	20
107-13-1	Acrylonitrile	ND		0.50	0.20
71-43-2	Benzene	ND		1.0	0.20
108-86-1	Bromobenzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.20
74-83-9	Bromomethane	ND		2.0	0.20
75-15-0	Carbon disulfide	ND		10	0.20
56-23-5	Carbon tetrachloride	ND		1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: MB 360-84762/6

Matrix: Water Lab File ID: V22992.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/13/2011 16:31

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.: 84762 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		0.50	0.20
75-00-3	Chloroethane	ND		2.0	0.21
67-66-3	Chloroform	ND		1.0	0.20
74-87-3	Chloromethane	ND		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.20
74-95-3	Dibromomethane	ND		1.0	0.20
75-27-4	Dichlorobromomethane	ND		0.50	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.20
106-93-4	Ethylene Dibromide	ND		1.0	0.20
87-68-3	Hexachlorobutadiene	ND		0.40	0.20
98-82-8	Isopropylbenzene	ND		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		2.0	1.0
104-51-8	n-Butylbenzene	ND		1.0	0.20
103-65-1	N-Propylbenzene	ND		1.0	0.20
91-20-3	Naphthalene	ND		5.0	2.0
95-47-6	o-Xylene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
98-06-6	tert-Butylbenzene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		10	0.44
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.33
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		0.50	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: MB 360-84762/6

Matrix: Water Lab File ID: V22992.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/13/2011 16:31

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.: 84762 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	97		70-130
1868-53-7	Dibromofluoromethane	109		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22992.D
Lims ID: MB Client ID:
Inject. Date: 13-Dec-2011 16:31:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 7
Lims Batch ID: 84762 Lims Sample ID: 6
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\WES2UNPR.m
Last Update: 15-Dec-2011 09:02:54 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 15-Dec-2011 09:16:26

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.886					
4 Vinyl chloride (SIM)	2	62	1.953	1.967	-0.014	0	22	0	
3 Vinyl chloride	1	62		1.969					
5 Bromomethane	1	94		2.267					
6 Chloroethane	1	64		2.392					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.573					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45		2.934					
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96		3.024					
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.073					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.392					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45		3.552					
19 Methylene Chloride	1	84		3.670					
20 Acetone	1	43	3.732	3.725	0.007	67	680	0.6724	
21 trans-1,2-Dichloroethene	1	61		3.864					
22 Methyl acetate	1	43		3.871					
23 Hexane	1	57		3.961					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.093					
26 Acetonitrile	1	40		4.288					
27 Isopropyl ether	1	45		4.447					
28 1,1-Dichloroethane	1	63		4.600					
29 Acrylonitrile	1	53		4.663					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1		4.749					7
33 Tert-butyl ethyl ether	1	59		4.885					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61		5.239					
35 2,2-Dichloropropane	1	77		5.378					
36 Chlorobromomethane	1	130		5.482					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83		5.565					
39 Ethyl acetate	1	43		5.718					
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.766					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	60	83691	21.7	
44 1,1,1-Trichloroethane	1	97		5.815					
45 2-Butanone (MEK)	1	43		5.940					
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.225					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.419					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	15269	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	222467	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.822					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.968					
56 Trichloroethene	1	95		6.975					
58 2,4,4-Trimethyl-2-pentene	1	55		7.038					
59 Dibromomethane	1	93		7.510					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.753					
63 Methyl methacrylate	1	69		8.004					
65 1,4-Dioxane	1	88		8.045					
64 1,4-Dioxane (SIM)	2	88	9.100	8.050	1.050	0	690	0	
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.095	9.102	-0.007	92	224135	20.1	
70 Toluene	1	92		9.192					
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166		9.804					
75 4-Methyl-2-pentanone (MIBK)	1	43		9.838					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.110					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43		10.895					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43		10.992					
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	82	167914	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.374					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.111					
93 Isopropylbenzene	1	105		12.382					
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	96	81653	19.4	
$ 94 BFB	1	95	12.667	12.667	0.0	96	81653	0	
96 cis-1,4-Dichloro-2-butene	1	88		12.751					
97 Bromobenzene	1	77		12.764					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
101 1,3,5-Trimethylbenzene	1	105		13.015					
102 1,2,3-Trichloropropane	1	110		13.022					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119		13.327					
106 1,2,4-Trimethylbenzene	1	105		13.397					
107 sec-Butylbenzene	1	105		13.501					
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146		13.696					
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	94677	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.148					
114 1,2-Dichlorobenzene	1	146		14.168					
115 1,2-Dibromo-3-Chloropropane	1	157		14.898					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128		15.774					
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 15-Dec-2011 09:16:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22992.D

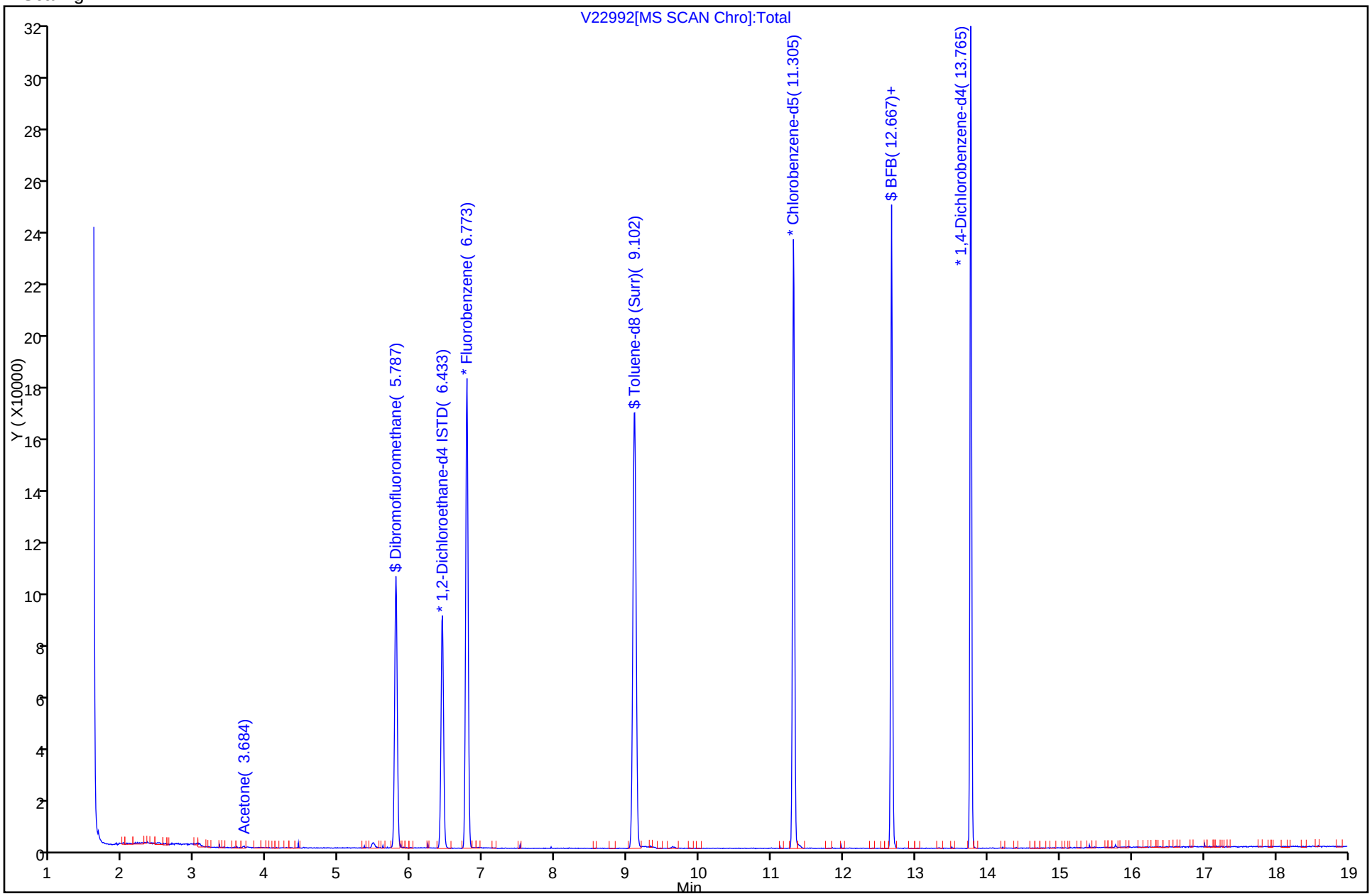
Injection Date: 13-Dec-2011 16:31:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84762 Lims Sample ID: 6

Operator ID: tph

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: | Lab Sample ID: LCS 360-84486/3

Matrix: Water | Lab File ID: V22918.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2011 14:07

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.: 84486 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	22.0		1.0	0.20
71-55-6	1,1,1-Trichloroethane	24.9		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	15.8		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.7		1.0	0.20
79-00-5	1,1,2-Trichloroethane	19.9		1.0	0.20
75-34-3	1,1-Dichloroethane	21.3		1.0	0.20
75-35-4	1,1-Dichloroethene	23.0		1.0	0.20
563-58-6	1,1-Dichloropropene	21.9		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	19.1		1.0	0.20
96-18-4	1,2,3-Trichloropropane	18.9		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	20.6		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	20.7		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	18.3		5.0	0.20
95-50-1	1,2-Dichlorobenzene	19.1		1.0	0.20
107-06-2	1,2-Dichloroethane	21.9		1.0	0.20
78-87-5	1,2-Dichloropropane	19.1		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	20.8		1.0	0.20
541-73-1	1,3-Dichlorobenzene	21.5		1.0	0.20
142-28-9	1,3-Dichloropropane	19.9		1.0	0.20
106-46-7	1,4-Dichlorobenzene	19.4		1.0	0.20
594-20-7	2,2-Dichloropropane	25.4		1.0	0.20
78-93-3	2-Butanone (MEK)	188		10	1.3
95-49-8	2-Chlorotoluene	19.6		1.0	0.20
591-78-6	2-Hexanone	188		10	2.0
106-43-4	4-Chlorotoluene	19.4		1.0	0.20
99-87-6	4-Isopropyltoluene	22.2		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	184		10	2.0
67-64-1	Acetone	195		50	20
107-13-1	Acrylonitrile	20.5		0.50	0.20
71-43-2	Benzene	21.2		1.0	0.20
108-86-1	Bromobenzene	18.0		1.0	0.20
75-25-2	Bromoform	20.2		1.0	0.20
74-83-9	Bromomethane	21.4		2.0	0.20
75-15-0	Carbon disulfide	27.1		10	0.20
56-23-5	Carbon tetrachloride	27.8		1.0	0.20
108-90-7	Chlorobenzene	20.6		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: LCS 360-84486/3

Matrix: Water Lab File ID: V22918.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 14:07

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	23.2		0.50	0.20
75-00-3	Chloroethane	18.8		2.0	0.21
67-66-3	Chloroform	21.4		1.0	0.20
74-87-3	Chloromethane	17.2		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	20.3		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	21.4		0.40	0.20
74-95-3	Dibromomethane	21.6		1.0	0.20
75-27-4	Dichlorobromomethane	21.9		0.50	0.20
75-71-8	Dichlorodifluoromethane	23.8		1.0	0.20
100-41-4	Ethylbenzene	19.5		1.0	0.20
106-93-4	Ethylene Dibromide	21.8		1.0	0.20
87-68-3	Hexachlorobutadiene	21.9		0.40	0.20
98-82-8	Isopropylbenzene	20.4		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	40.1		2.0	0.50
1634-04-4	Methyl tert-butyl ether	22.0		1.0	0.20
75-09-2	Methylene Chloride	23.4		2.0	1.0
104-51-8	n-Butylbenzene	18.9		1.0	0.20
103-65-1	N-Propylbenzene	20.0		1.0	0.20
91-20-3	Naphthalene	16.9		5.0	2.0
95-47-6	o-Xylene	19.9		1.0	0.20
135-98-8	sec-Butylbenzene	20.5		1.0	0.20
100-42-5	Styrene	20.0		1.0	0.20
98-06-6	tert-Butylbenzene	21.2		1.0	0.20
127-18-4	Tetrachloroethene	24.7		1.0	0.20
109-99-9	Tetrahydrofuran	181		10	0.44
108-88-3	Toluene	21.5		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	20.9		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	22.0		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	19.2		5.0	0.20
79-01-6	Trichloroethene	22.5		1.0	0.33
75-69-4	Trichlorofluoromethane	23.8		1.0	0.20
75-01-4	Vinyl chloride	19.3		0.50	0.20
1330-20-7	Xylenes, Total	60.0		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: LCS 360-84486/3

Matrix: Water Lab File ID: V22918.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 14:07

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.: 84486 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	99		70-130
1868-53-7	Dibromofluoromethane	109		70-130
2037-26-5	Toluene-d8 (Surr)	104		70-130

Report Date: 09-Dec-2011 12:16:04 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22918.D
Lims ID: LCS Client ID:
Inject. Date: 08-Dec-2011 14:07:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 84486 Lims Sample ID: 3
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m
Last Update: 09-Dec-2011 12:10:26 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 09-Dec-2011 12:16:04

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	87	46446	23.8	
2 Chloromethane	1	50	1.879	1.872	0.007	88	46182	17.2	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	44706	0	
3 Vinyl chloride	1	62	1.962	1.955	0.007	83	42842	19.3	
5 Bromomethane	1	94	2.261	2.260	0.001	90	31189	21.4	
6 Chloroethane	1	64	2.392	2.385	0.007	89	22376	18.8	
7 Trichlorofluoromethane	1	101	2.517	2.517	0.0	85	73460	23.8	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	74	74566	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	90	40445	0	
10 Ethanol	1	45	2.934	2.934	0.0	97	26816	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	76	49186	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	88	51924	23.0	
13 Carbon disulfide	1	76	3.059	3.059	0.0	98	175704	27.1	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	1	37157	22.7	
15 Iodomethane	1	142	3.184	3.177	0.007	97	101768	0	
16 Acrolein	1	56	3.385	3.385	0.0	93	351897	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	69	33730	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	90	234504	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	80	68869	23.4	
20 Acetone	1	43	3.725	3.725	0.0	100	207319	195.0	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	39	82353	20.9	
22 Methyl acetate	1	43	3.871	3.871	0.0	97	531785	183.7	
23 Hexane	1	57	3.961	3.961	0.0	57	110277	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	62	169510	22.0	
25 2-Methyl-2-propanol	1	59	4.086	4.079	0.007	15	89831	0	
26 Acetonitrile	1	40	4.281	4.281	0.0	99	38024	0	
27 Isopropyl ether	1	45	4.441	4.440	0.0	92	151260	0	
28 1,1-Dichloroethane	1	63	4.600	4.593	0.007	84	105489	21.3	
29 Acrylonitrile	1	53	4.656	4.656	0.0	70	27928	20.5	
30 Halothane	1	117	4.663	4.663	0.0	84	56728	0	

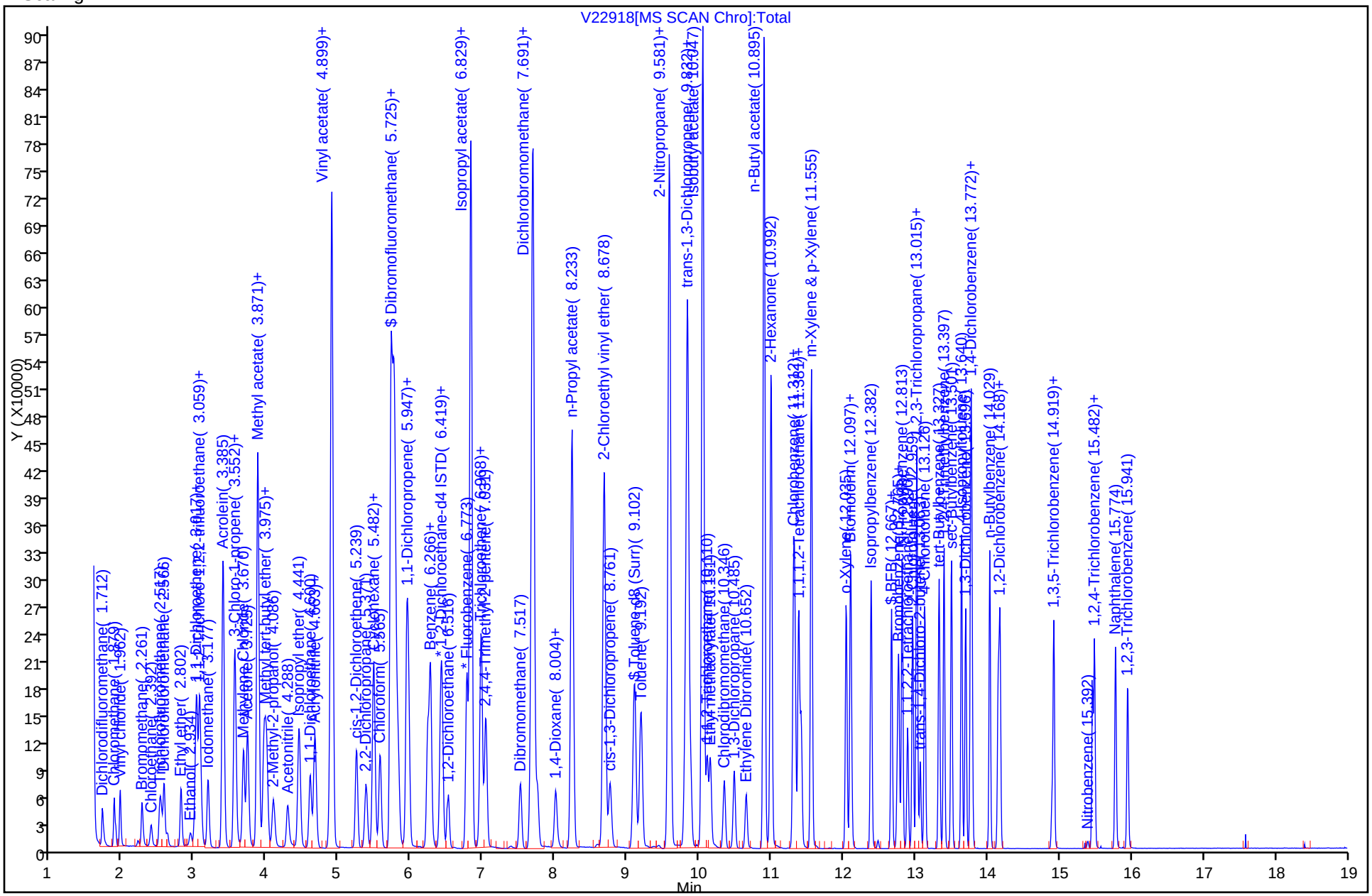
Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		41.2	
33 Tert-butyl ethyl ether	1	59	4.878	4.885	-0.007	40	163540	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	1205287	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	67	80381	20.3	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	86	64041	25.4	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	82	50152	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	83	80250	0	
38 Chloroform	1	83	5.565	5.565	0.0	63	111864	21.4	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	727127	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	25	82886	27.8	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	71	264933	181.4	
42 sec-Butyl Alcohol	1	59	5.767	5.766	0.0	89	86303	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	70	87011	21.7	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	35	91247	24.9	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	99	346096	187.6	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	94	80839	21.9	
47 n-Heptane	1	43	6.232	6.232	0.0	90	66456	0	
48 Benzene	1	78	6.266	6.266	0.0	95	233615	21.2	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	98	160028	0	
50 Propionitrile	1	54	6.398	6.426	-0.028	34	841	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	16050	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	78	66209	21.9	
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	231567	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.815	6.822	-0.007	48	33157	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	875172	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	84	81046	23.4	
56 Trichloroethene	1	95	6.975	6.975	0.0	92	56772	22.5	
58 2,4,4-Trimethyl-2-pentene	1	55	7.031	7.037	-0.006	66	86240	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	84	36774	21.6	
S 61 1,3-Dichloropropene, Total	1	1				0		43.4	
60 1,2-Dichloropropane	1	63	7.663	7.663	0.0	58	46514	19.1	
62 Dichlorobromomethane	1	83	7.753	7.746	0.007	84	64232	21.9	
63 Methyl methacrylate	1	69	8.004	8.004	0.0	85	39005	0	
65 1,4-Dioxane	1	88	8.059	8.045	0.014	55	6358	0	M
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	6877	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	666635	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	89	334720	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	58	73342	21.4	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	239369	20.7	
70 Toluene	1	92	9.192	9.192	0.0	89	113521	21.5	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	98	973664	0	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	56344	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	75	62093	24.7	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.832	9.831	0.001	96	536664	183.6	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	66	69081	22.0	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	96	1012306	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.109	0.001	73	40512	19.9	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	74	67791	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	87	58798	23.2	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	89	66816	19.9	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	97	53522	21.8	
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	748745	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43	10.992	10.992	0.0	95	409251	187.9	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	182785	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	96	139205	20.6	
87 Ethylbenzene	1	91	11.374	11.381	-0.007	50	220569	19.5	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	89	49058	22.0	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	352147	40.1	
S 71 Xylenes, Total	1	1				0		60.0	
90 o-Xylene	1	91	12.035	12.035	0.0	96	179481	19.9	
91 Styrene	1	104	12.097	12.097	0.0	75	142742	20.0	
92 Bromoform	1	173	12.104	12.104	0.0	48	49135	20.2	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	219996	20.4	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	90301	19.7	
$ 94 BFB	1	95	12.667	12.667	0.0	97	90301	0	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.001	0	20194	0	
97 Bromobenzene	1	77	12.765	12.764	0.0	86	91401	18.0	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	74	265362	20.0	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	95	69205	15.8	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	96	155718	19.6	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	69	192180	20.8	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	45	18886	18.9	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	17	18304	19.2	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	92	163522	19.4	
105 tert-Butylbenzene	1	119	13.327	13.327	0.0	89	161748	21.2	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	94	193506	20.7	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	237205	20.5	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	94	204197	22.2	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	95	121815	21.5	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	107561	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	89	123064	19.4	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	96	187131	18.9	
113 Hexachloroethane	1	117	14.148	14.147	0.001	88	33908	0	
114 1,2-Dichlorobenzene	1	146	14.168	14.175	-0.007	98	110086	19.1	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	86	16454	18.3	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	94	86557	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	75	4455	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	80	39158	21.9	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	86	75857	20.6	
120 Naphthalene	1	128	15.774	15.774	0.0	96	188727	16.9	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	95	65997	19.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:16:04 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22918.D
Injection Date: 08-Dec-2011 14:07:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84486 Lims Sample ID: 3
Operator ID: tph
Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: | Lab Sample ID: LCS 360-84762/3

Matrix: Water | Lab File ID: V22989.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/13/2011 15:26

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.: 84762 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	21.1		1.0	0.20
71-55-6	1,1,1-Trichloroethane	23.0		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	15.6		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20.5		1.0	0.20
79-00-5	1,1,2-Trichloroethane	18.5		1.0	0.20
75-34-3	1,1-Dichloroethane	19.3		1.0	0.20
75-35-4	1,1-Dichloroethene	23.0		1.0	0.20
563-58-6	1,1-Dichloropropene	20.1		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	19.0		1.0	0.20
96-18-4	1,2,3-Trichloropropane	18.4		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	20.2		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	19.8		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		5.0	0.20
95-50-1	1,2-Dichlorobenzene	19.1		1.0	0.20
107-06-2	1,2-Dichloroethane	20.3		1.0	0.20
78-87-5	1,2-Dichloropropane	17.2		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	19.7		1.0	0.20
541-73-1	1,3-Dichlorobenzene	21.0		1.0	0.20
142-28-9	1,3-Dichloropropane	18.5		1.0	0.20
106-46-7	1,4-Dichlorobenzene	19.5		1.0	0.20
594-20-7	2,2-Dichloropropane	22.5		1.0	0.20
78-93-3	2-Butanone (MEK)	156		10	1.3
95-49-8	2-Chlorotoluene	18.5		1.0	0.20
591-78-6	2-Hexanone	162		10	2.0
106-43-4	4-Chlorotoluene	18.8		1.0	0.20
99-87-6	4-Isopropyltoluene	20.8		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	156		10	2.0
67-64-1	Acetone	165		50	20
107-13-1	Acrylonitrile	16.9		0.50	0.20
71-43-2	Benzene	19.4		1.0	0.20
108-86-1	Bromobenzene	17.2		1.0	0.20
75-25-2	Bromoform	20.3		1.0	0.20
74-83-9	Bromomethane	20.6		2.0	0.20
75-15-0	Carbon disulfide	26.4		10	0.20
56-23-5	Carbon tetrachloride	25.9		1.0	0.20
108-90-7	Chlorobenzene	20.3		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: | Lab Sample ID: LCS 360-84762/3

Matrix: Water | Lab File ID: V22989.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/13/2011 15:26

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.: 84762 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	21.6		0.50	0.20
75-00-3	Chloroethane	18.1		2.0	0.21
67-66-3	Chloroform	19.9		1.0	0.20
74-87-3	Chloromethane	15.5		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	18.3		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	19.2		0.40	0.20
74-95-3	Dibromomethane	20.1		1.0	0.20
75-27-4	Dichlorobromomethane	20.4		0.50	0.20
75-71-8	Dichlorodifluoromethane	22.4		1.0	0.20
100-41-4	Ethylbenzene	19.0		1.0	0.20
106-93-4	Ethylene Dibromide	20.4		1.0	0.20
87-68-3	Hexachlorobutadiene	20.7		0.40	0.20
98-82-8	Isopropylbenzene	19.9		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	38.7		2.0	0.50
1634-04-4	Methyl tert-butyl ether	20.4		1.0	0.20
75-09-2	Methylene Chloride	20.4		2.0	1.0
104-51-8	n-Butylbenzene	17.7		1.0	0.20
103-65-1	N-Propylbenzene	19.1		1.0	0.20
91-20-3	Naphthalene	16.7		5.0	2.0
95-47-6	o-Xylene	19.4		1.0	0.20
135-98-8	sec-Butylbenzene	19.0		1.0	0.20
100-42-5	Styrene	19.8		1.0	0.20
98-06-6	tert-Butylbenzene	20.1		1.0	0.20
127-18-4	Tetrachloroethene	23.4		1.0	0.20
109-99-9	Tetrahydrofuran	159		10	0.44
108-88-3	Toluene	19.8		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	18.9		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	20.0		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	16.4		5.0	0.20
79-01-6	Trichloroethene	20.8		1.0	0.33
75-69-4	Trichlorofluoromethane	22.2		1.0	0.20
75-01-4	Vinyl chloride	17.4		0.50	0.20
1330-20-7	Xylenes, Total	58.1		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: LCS 360-84762/3

Matrix: Water Lab File ID: V22989.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/13/2011 15:26

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.: 84762 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	97		70-130
1868-53-7	Dibromofluoromethane	107		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130

Report Date: 15-Dec-2011 09:02:55 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22989.D
Lims ID: LCS Client ID:
Inject. Date: 13-Dec-2011 15:26:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 84762 Lims Sample ID: 3
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\WES2UNPR.m
Last Update: 15-Dec-2011 09:02:54 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 15-Dec-2011 09:02:54

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	86	44055	22.4	
2 Chloromethane	1	50	1.879	1.886	-0.007	88	42158	15.5	
4 Vinyl chloride (SIM)	2	62	1.967	1.967	0.0	0	40329	0	
3 Vinyl chloride	1	62	1.969	1.969	0.0	84	38924	17.4	
5 Bromomethane	1	94	2.267	2.267	0.0	90	30419	20.6	
6 Chloroethane	1	64	2.392	2.392	0.0	93	21656	18.1	
7 Trichlorofluoromethane	1	101	2.517	2.517	0.0	83	69140	22.2	
8 Dichlorofluoromethane	1	67	2.573	2.573	0.0	74	70354	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	89	37907	0	
10 Ethanol	1	45	2.934	2.934	0.0	89	15817	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	73	47133	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	87	52495	23.0	
13 Carbon disulfide	1	76	3.059	3.059	0.0	98	172971	26.4	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.080	3.073	0.007	46	33931	20.5	
15 Iodomethane	1	142	3.177	3.177	0.0	97	91897	0	
16 Acrolein	1	56	3.392	3.392	0.0	94	298577	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	71	29423	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	89	199975	0	
19 Methylene Chloride	1	84	3.677	3.670	0.007	71	60693	20.4	
20 Acetone	1	43	3.725	3.725	0.0	100	175820	164.8	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	41	75432	18.9	
22 Methyl acetate	1	43	3.871	3.871	0.0	97	465024	159.1	
23 Hexane	1	57	3.954	3.961	-0.007	57	98822	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	62	159410	20.4	
25 2-Methyl-2-propanol	1	59	4.086	4.093	-0.007	13	78448	0	
26 Acetonitrile	1	40	4.281	4.288	-0.007	99	28787	0	
27 Isopropyl ether	1	45	4.440	4.447	-0.007	92	136419	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	85	96411	19.3	
29 Acrylonitrile	1	53	4.663	4.663	0.0	60	23246	16.9	
30 Halothane	1	117	4.663	4.663	0.0	85	52074	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		37.3	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	36	150928	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	1069804	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	64	73186	18.3	
35 2,2-Dichloropropane	1	77	5.371	5.378	-0.007	84	57428	22.5	
36 Chlorobromomethane	1	130	5.482	5.482	0.0	78	47668	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	86	75589	0	
38 Chloroform	1	83	5.565	5.565	0.0	65	105238	19.9	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	643381	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	27	77832	25.9	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	70	234711	159.1	
42 sec-Butyl Alcohol	1	59	5.766	5.766	0.0	89	77209	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	69	86998	21.4	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	46	85432	23.0	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	98	288799	155.9	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	94	75170	20.1	
47 n-Heptane	1	43	6.225	6.225	0.0	91	57343	0	
48 Benzene	1	78	6.266	6.266	0.0	94	215721	19.4	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	98	150214	0	
50 Propionitrile	1	54	6.412	6.419	-0.007	15	825	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	16110	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	76	61959	20.3	
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	233817	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	45	26314	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	98	776713	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	83	73960	21.1	
56 Trichloroethene	1	95	6.975	6.975	0.0	92	53024	20.8	
58 2,4,4-Trimethyl-2-pentene	1	55	7.031	7.038	-0.007	64	69859	0	
59 Dibromomethane	1	93	7.510	7.510	0.0	88	34544	20.1	
S 61 1,3-Dichloropropene, Total	1	1				0		39.1	
60 1,2-Dichloropropane	1	63	7.663	7.663	0.0	56	42254	17.2	
62 Dichlorobromomethane	1	83	7.753	7.753	0.0	79	60342	20.4	
63 Methyl methacrylate	1	69	8.004	8.004	0.0	83	33498	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	68	5646	0	M
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	5602	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	599890	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	90	288059	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	54	66466	19.2	
$ 69 Toluene-d8 (Surr)	1	98	9.095	9.102	-0.007	92	235555	20.1	
70 Toluene	1	92	9.192	9.192	0.0	93	105534	19.8	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	98	865684	0	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	52046	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	76	59515	23.4	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.838	9.838	0.0	95	457123	155.8	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	77	63143	20.0	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	96	911513	0	
78 1,1,2-Trichloroethane	1	83	10.109	10.110	-0.001	71	37912	18.5	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	73	60897	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	86	55143	21.6	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	88	62856	18.5	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	98	50455	20.4	
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	680999	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43	10.992	10.992	0.0	95	353993	162.0	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	82	177509	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	96	133187	20.3	
87 Ethylbenzene	1	91	11.374	11.374	0.0	51	209033	19.0	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	87	45786	21.1	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	330268	38.7	
S 71 Xylenes, Total	1	1				0		58.1	
90 o-Xylene	1	91	12.035	12.035	0.0	96	169541	19.4	
91 Styrene	1	104	12.097	12.097	0.0	76	137320	19.8	
92 Bromoform	1	173	12.104	12.111	-0.007	40	46883	20.3	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	208431	19.9	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	86169	19.4	
$ 94 BFB	1	95	12.667	12.667	0.0	97	86169	0	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	16597	0	
97 Bromobenzene	1	77	12.764	12.764	0.0	85	84598	17.2	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	76	246035	19.1	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	88	65247	15.6	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	96	143146	18.5	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	68	176656	19.7	
102 1,2,3-Trichloropropane	1	110	13.015	13.022	-0.007	45	17889	18.4	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	6	15205	16.4	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	92	154269	18.8	
105 tert-Butylbenzene	1	119	13.327	13.327	0.0	89	149010	20.1	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	85	179563	19.8	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	213223	19.0	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	96	186386	20.8	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	95	115630	21.0	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	102268	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	89	117318	19.5	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	93	166435	17.7	
113 Hexachloroethane	1	117	14.148	14.148	0.0	82	28641	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.168	0.007	98	104654	19.1	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	87	15478	18.1	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	94	83910	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	64	3855	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	80	35234	20.7	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	93	70842	20.2	
120 Naphthalene	1	128	15.774	15.774	0.0	96	177425	16.7	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	94	62513	19.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 15-Dec-2011 09:02:55 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22989.D

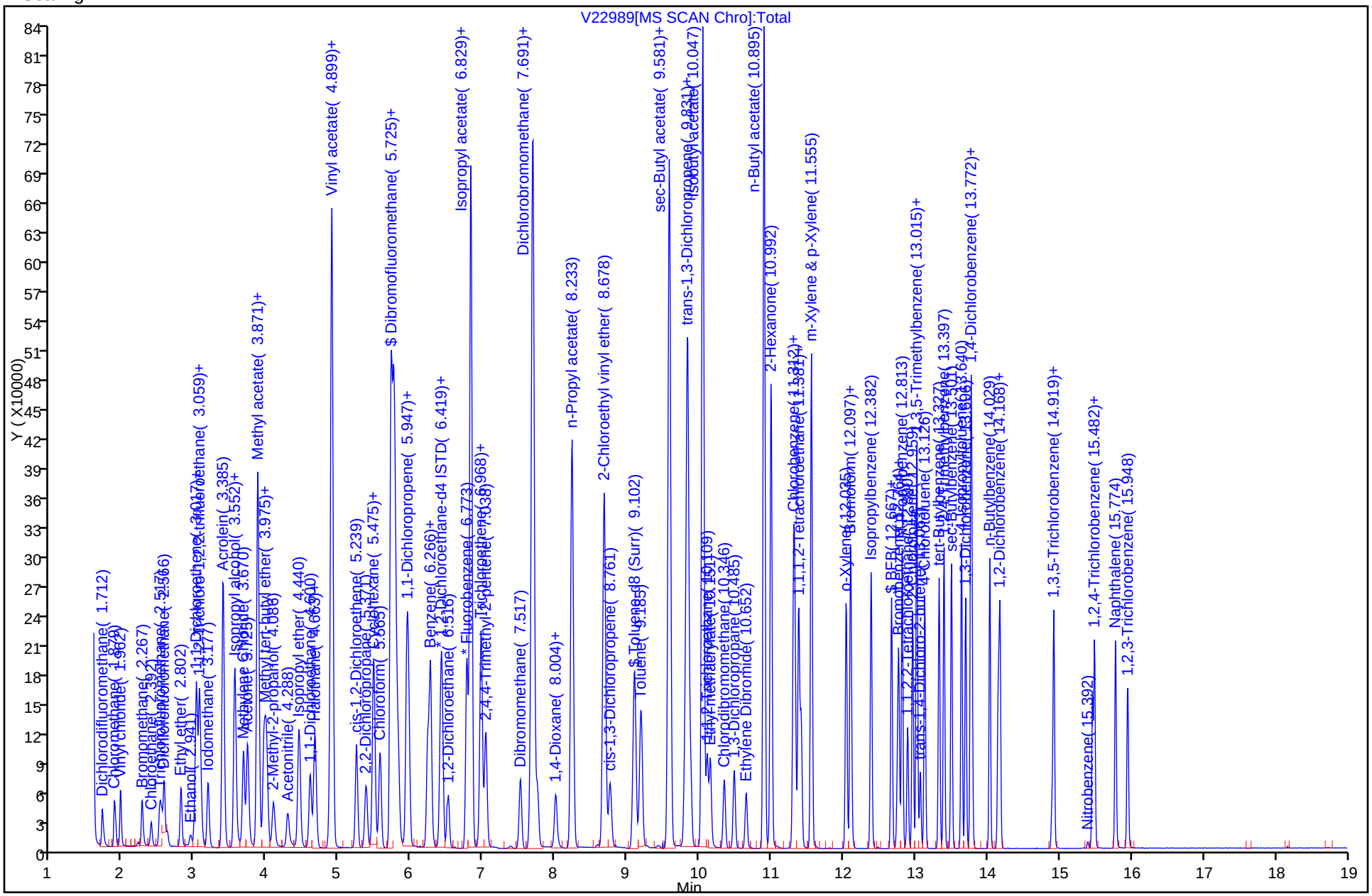
Injection Date: 13-Dec-2011 15:26:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84762 Lims Sample ID: 3

Operator ID: tph

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: | Lab Sample ID: LCSD 360-84486/4

Matrix: Water | Lab File ID: V22919.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2011 14:29

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.: 84486 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	21.0		1.0	0.20
71-55-6	1,1,1-Trichloroethane	23.3		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	15.8		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.0		1.0	0.20
79-00-5	1,1,2-Trichloroethane	20.4		1.0	0.20
75-34-3	1,1-Dichloroethane	20.1		1.0	0.20
75-35-4	1,1-Dichloroethene	21.3		1.0	0.20
563-58-6	1,1-Dichloropropene	20.4		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	19.3		1.0	0.20
96-18-4	1,2,3-Trichloropropane	18.7		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	20.4		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	20.0		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		5.0	0.20
95-50-1	1,2-Dichlorobenzene	18.8		1.0	0.20
107-06-2	1,2-Dichloroethane	21.3		1.0	0.20
78-87-5	1,2-Dichloropropane	18.5		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	19.9		1.0	0.20
541-73-1	1,3-Dichlorobenzene	21.0		1.0	0.20
142-28-9	1,3-Dichloropropane	19.7		1.0	0.20
106-46-7	1,4-Dichlorobenzene	19.0		1.0	0.20
594-20-7	2,2-Dichloropropane	24.0		1.0	0.20
78-93-3	2-Butanone (MEK)	181		10	1.3
95-49-8	2-Chlorotoluene	18.7		1.0	0.20
591-78-6	2-Hexanone	184		10	2.0
106-43-4	4-Chlorotoluene	18.8		1.0	0.20
99-87-6	4-Isopropyltoluene	21.1		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	177		10	2.0
67-64-1	Acetone	190		50	20
107-13-1	Acrylonitrile	19.1		0.50	0.20
71-43-2	Benzene	20.1		1.0	0.20
108-86-1	Bromobenzene	17.7		1.0	0.20
75-25-2	Bromoform	19.8		1.0	0.20
74-83-9	Bromomethane	21.9		2.0	0.20
75-15-0	Carbon disulfide	26.7		10	0.20
56-23-5	Carbon tetrachloride	26.1		1.0	0.20
108-90-7	Chlorobenzene	19.8		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: LCSD 360-84486/4

Matrix: Water Lab File ID: V22919.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 14:29

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	22.6		0.50	0.20
75-00-3	Chloroethane	18.7		2.0	0.21
67-66-3	Chloroform	20.5		1.0	0.20
74-87-3	Chloromethane	16.5		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	19.3		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	20.9		0.40	0.20
74-95-3	Dibromomethane	21.4		1.0	0.20
75-27-4	Dichlorobromomethane	21.0		0.50	0.20
75-71-8	Dichlorodifluoromethane	22.2		1.0	0.20
100-41-4	Ethylbenzene	18.7		1.0	0.20
106-93-4	Ethylene Dibromide	21.6		1.0	0.20
87-68-3	Hexachlorobutadiene	20.9		0.40	0.20
98-82-8	Isopropylbenzene	19.8		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	38.3		2.0	0.50
1634-04-4	Methyl tert-butyl ether	21.6		1.0	0.20
75-09-2	Methylene Chloride	22.5		2.0	1.0
104-51-8	n-Butylbenzene	17.8		1.0	0.20
103-65-1	N-Propylbenzene	19.0		1.0	0.20
91-20-3	Naphthalene	17.1		5.0	2.0
95-47-6	o-Xylene	19.3		1.0	0.20
135-98-8	sec-Butylbenzene	19.7		1.0	0.20
100-42-5	Styrene	19.5		1.0	0.20
98-06-6	tert-Butylbenzene	20.1		1.0	0.20
127-18-4	Tetrachloroethene	23.0		1.0	0.20
109-99-9	Tetrahydrofuran	178		10	0.44
108-88-3	Toluene	20.3		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	19.6		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	21.8		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	19.0		5.0	0.20
79-01-6	Trichloroethene	21.2		1.0	0.33
75-69-4	Trichlorofluoromethane	22.2		1.0	0.20
75-01-4	Vinyl chloride	18.1		0.50	0.20
1330-20-7	Xylenes, Total	57.6		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: LCSD 360-84486/4

Matrix: Water Lab File ID: V22919.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 14:29

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.: 84486 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane	109		70-130
2037-26-5	Toluene-d8 (Surr)	103		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22919.D
Lims ID: LCSD Client ID:
Inject. Date: 08-Dec-2011 14:29:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 84486 Lims Sample ID: 4
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m
Last Update: 09-Dec-2011 12:18:17 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 09-Dec-2011 12:18:16

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	85	42029	22.2	
2 Chloromethane	1	50	1.879	1.872	0.007	88	43193	16.5	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	40562	0	
3 Vinyl chloride	1	62	1.955	1.955	0.0	81	39118	18.1	
5 Bromomethane	1	94	2.261	2.260	0.001	89	31032	21.9	
6 Chloroethane	1	64	2.386	2.385	0.001	95	21548	18.7	
7 Trichlorofluoromethane	1	101	2.518	2.517	0.001	83	66629	22.2	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	72	70754	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	90	38423	0	
10 Ethanol	1	45	2.934	2.934	0.0	95	21600	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.011	3.010	0.0	76	43250	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	88	46699	21.3	
13 Carbon disulfide	1	76	3.059	3.059	0.0	97	168124	26.7	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	1	34985	22.0	
15 Iodomethane	1	142	3.184	3.177	0.007	97	93240	0	
16 Acrolein	1	56	3.392	3.385	0.007	95	331013	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	68	30829	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	90	223032	0	
19 Methylene Chloride	1	84	3.677	3.670	0.007	80	64453	22.5	
20 Acetone	1	43	3.726	3.725	0.001	100	197391	189.9	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	39	75136	19.6	
22 Methyl acetate	1	43	3.871	3.871	0.0	97	511092	181.6	
23 Hexane	1	57	3.962	3.961	0.001	57	99844	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	62	161848	21.6	
25 2-Methyl-2-propanol	1	59	4.087	4.079	0.008	58	84138	0	
26 Acetonitrile	1	40	4.288	4.281	0.007	100	38981	0	M
27 Isopropyl ether	1	45	4.448	4.440	0.008	93	142835	0	
28 1,1-Dichloroethane	1	63	4.593	4.593	0.0	85	96467	20.1	
29 Acrylonitrile	1	53	4.656	4.656	0.0	72	25272	19.1	
30 Halothane	1	117	4.663	4.663	0.0	84	51347	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		38.9	
33 Tert-butyl ethyl ether	1	59	4.878	4.885	-0.007	43	151726	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	1126304	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	66	74230	19.3	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	85	58891	24.0	
36 Chlorobromomethane	1	130	5.482	5.475	0.007	82	46546	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	86	72572	0	
38 Chloroform	1	83	5.565	5.565	0.0	63	104184	20.5	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	686513	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	20	75658	26.1	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	72	252258	177.6	
42 sec-Butyl Alcohol	1	59	5.767	5.766	0.001	91	81329	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	71	84557	21.7	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	32	83219	23.3	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	99	325678	180.5	
46 1,1-Dichloropropene	1	75	5.961	5.968	-0.007	73	73428	20.4	
47 n-Heptane	1	43	6.232	6.232	0.0	84	59299	0	
48 Benzene	1	78	6.267	6.266	0.0	94	215137	20.1	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	98	152084	0	
50 Propionitrile	1	54	6.426	6.426	0.0	1	716	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	15699	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	72	62712	21.3	
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	225114	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	43	29330	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	98	830112	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	84	71955	21.3	
56 Trichloroethene	1	95	6.975	6.975	0.0	92	51942	21.2	
58 2,4,4-Trimethyl-2-pentene	1	55	7.031	7.037	-0.006	64	75409	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	86	35442	21.4	
S 61 1,3-Dichloropropene, Total	1	1				0		42.7	
60 1,2-Dichloropropane	1	63	7.663	7.663	0.0	58	43760	18.5	
62 Dichlorobromomethane	1	83	7.754	7.746	0.008	78	59819	21.0	
63 Methyl methacrylate	1	69	8.004	8.004	0.0	84	36293	0	
65 1,4-Dioxane	1	88	8.052	8.045	0.007	58	5817	0	M
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	6362	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	631852	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	89	320176	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	83	69743	20.9	
$ 69 Toluene-d8 (Surr)	1	98	9.095	9.102	-0.007	93	231279	20.5	
70 Toluene	1	92	9.192	9.192	0.0	93	104416	20.3	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	98	931488	0	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	53225	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	74	56288	23.0	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.832	9.831	0.001	95	506906	177.3	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	65	66428	21.8	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	96	963056	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.109	0.001	71	40182	20.4	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	74	66157	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	87	55528	22.6	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	88	64342	19.7	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	98	51353	21.6	
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	709995	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43	10.992	10.992	0.0	95	392572	184.3	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	82	179609	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	96	131469	19.8	
87 Ethylbenzene	1	91	11.375	11.381	-0.006	51	207673	18.7	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	89	46053	21.0	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	330784	38.3	
S 71 Xylenes, Total	1	1				0		57.6	
90 o-Xylene	1	91	12.035	12.035	0.0	96	171050	19.3	
91 Styrene	1	104	12.097	12.097	0.0	76	136735	19.5	
92 Bromoform	1	173	12.104	12.104	0.0	48	47636	19.8	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	209746	19.8	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	88101	19.6	
$ 94 BFB	1	95	12.667	12.667	0.0	97	88101	0	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.001	0	20063	0	
97 Bromobenzene	1	77	12.765	12.764	0.001	86	88321	17.7	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	75	247726	19.0	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	86	68654	15.8	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	96	146121	18.7	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	68	180292	19.9	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	53	18391	18.7	
103 trans-1,4-Dichloro-2-butene	1	53	13.064	13.063	0.001	22	17838	19.0	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	92	156158	18.8	
105 tert-Butylbenzene	1	119	13.328	13.327	0.001	90	150926	20.1	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	69	183754	20.0	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	93	224272	19.7	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	96	191129	21.1	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	95	117081	21.0	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	106636	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	89	119370	19.0	
112 n-Butylbenzene	1	91	14.030	14.029	0.001	94	174555	17.8	
113 Hexachloroethane	1	117	14.148	14.147	0.001	82	31934	0	
114 1,2-Dichlorobenzene	1	146	14.169	14.175	-0.006	98	107395	18.8	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	88	16850	18.9	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	83500	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	73	4406	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	82	36983	20.9	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	89	74524	20.4	
120 Naphthalene	1	128	15.774	15.774	0.0	96	189295	17.1	
121 1,2,3-Trichlorobenzene	1	180	15.941	15.948	-0.007	94	66080	19.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Dec-2011 12:18:17 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22919.D

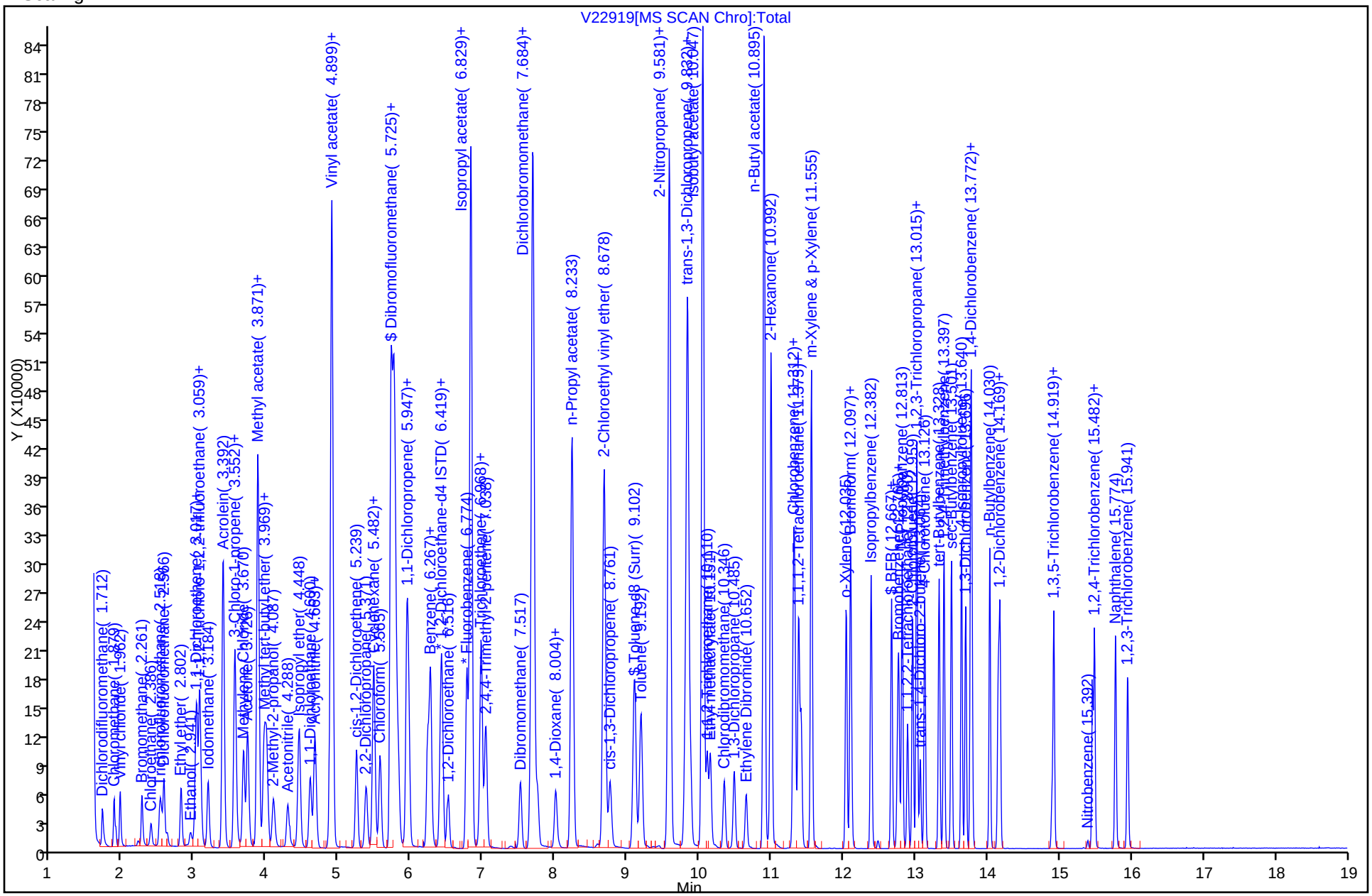
Injection Date: 08-Dec-2011 14:29:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84486 Lims Sample ID: 4

Operator ID: tph

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: LCSD 360-84762/4

Matrix: Water Lab File ID: V22990.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/13/2011 15:47

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.: 84762 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	20.3		1.0	0.20
71-55-6	1,1,1-Trichloroethane	22.0		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	15.6		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17.7		1.0	0.20
79-00-5	1,1,2-Trichloroethane	17.7		1.0	0.20
75-34-3	1,1-Dichloroethane	18.3		1.0	0.20
75-35-4	1,1-Dichloroethene	20.0		1.0	0.20
563-58-6	1,1-Dichloropropene	19.1		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	19.1		1.0	0.20
96-18-4	1,2,3-Trichloropropane	19.2		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	19.9		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	19.6		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		5.0	0.20
95-50-1	1,2-Dichlorobenzene	18.9		1.0	0.20
107-06-2	1,2-Dichloroethane	19.5		1.0	0.20
78-87-5	1,2-Dichloropropane	16.8		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	19.2		1.0	0.20
541-73-1	1,3-Dichlorobenzene	20.7		1.0	0.20
142-28-9	1,3-Dichloropropane	18.4		1.0	0.20
106-46-7	1,4-Dichlorobenzene	19.0		1.0	0.20
594-20-7	2,2-Dichloropropane	21.7		1.0	0.20
78-93-3	2-Butanone (MEK)	152		10	1.3
95-49-8	2-Chlorotoluene	18.2		1.0	0.20
591-78-6	2-Hexanone	163		10	2.0
106-43-4	4-Chlorotoluene	18.1		1.0	0.20
99-87-6	4-Isopropyltoluene	20.4		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	155		10	2.0
67-64-1	Acetone	163		50	20
107-13-1	Acrylonitrile	16.3		0.50	0.20
71-43-2	Benzene	18.4		1.0	0.20
108-86-1	Bromobenzene	16.8		1.0	0.20
75-25-2	Bromoform	19.6		1.0	0.20
74-83-9	Bromomethane	21.1		2.0	0.20
75-15-0	Carbon disulfide	22.6		10	0.20
56-23-5	Carbon tetrachloride	24.6		1.0	0.20
108-90-7	Chlorobenzene	19.2		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: | Lab Sample ID: LCSD 360-84762/4

Matrix: Water | Lab File ID: V22990.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/13/2011 15:47

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.: 84762 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	21.3		0.50	0.20
75-00-3	Chloroethane	17.9		2.0	0.21
67-66-3	Chloroform	18.8		1.0	0.20
74-87-3	Chloromethane	15.0		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	17.6		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	18.9		0.40	0.20
74-95-3	Dibromomethane	19.9		1.0	0.20
75-27-4	Dichlorobromomethane	19.9		0.50	0.20
75-71-8	Dichlorodifluoromethane	20.5		1.0	0.20
100-41-4	Ethylbenzene	18.1		1.0	0.20
106-93-4	Ethylene Dibromide	20.5		1.0	0.20
87-68-3	Hexachlorobutadiene	19.7		0.40	0.20
98-82-8	Isopropylbenzene	19.2		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	37.0		2.0	0.50
1634-04-4	Methyl tert-butyl ether	20.0		1.0	0.20
75-09-2	Methylene Chloride	19.4		2.0	1.0
104-51-8	n-Butylbenzene	16.7		1.0	0.20
103-65-1	N-Propylbenzene	18.2		1.0	0.20
91-20-3	Naphthalene	16.9		5.0	2.0
95-47-6	o-Xylene	18.7		1.0	0.20
135-98-8	sec-Butylbenzene	18.6		1.0	0.20
100-42-5	Styrene	19.1		1.0	0.20
98-06-6	tert-Butylbenzene	19.8		1.0	0.20
127-18-4	Tetrachloroethene	22.0		1.0	0.20
109-99-9	Tetrahydrofuran	156		10	0.44
108-88-3	Toluene	19.0		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	17.9		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	19.9		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	15.7		5.0	0.20
79-01-6	Trichloroethene	19.3		1.0	0.33
75-69-4	Trichlorofluoromethane	21.5		1.0	0.20
75-01-4	Vinyl chloride	16.3		0.50	0.20
1330-20-7	Xylenes, Total	55.7		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: LCSD 360-84762/4

Matrix: Water Lab File ID: V22990.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/13/2011 15:47

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.: 84762 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane	107		70-130
2037-26-5	Toluene-d8 (Surr)	100		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22990.D
Lims ID: LCSD Client ID:
Inject. Date: 13-Dec-2011 15:47:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 84762 Lims Sample ID: 4
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\WES2UNPR.m
Last Update: 15-Dec-2011 09:02:54 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 15-Dec-2011 09:07:01

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	84	39601	20.5	
2 Chloromethane	1	50	1.879	1.886	-0.007	88	40048	15.0	
4 Vinyl chloride (SIM)	2	62	1.967	1.967	0.0	0	37373	0	
3 Vinyl chloride	1	62	1.962	1.969	-0.007	84	35855	16.3	
5 Bromomethane	1	94	2.261	2.267	-0.006	90	30584	21.1	
6 Chloroethane	1	64	2.386	2.392	-0.006	94	21093	17.9	
7 Trichlorofluoromethane	1	101	2.518	2.517	0.001	84	65618	21.5	
8 Dichlorofluoromethane	1	67	2.566	2.573	-0.007	71	66898	0	
9 Ethyl ether	1	59	2.809	2.802	0.007	88	35902	0	
10 Ethanol	1	45	2.934	2.934	0.0	95	16737	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	74	41449	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	87	44700	20.0	
13 Carbon disulfide	1	76	3.066	3.059	0.007	98	145355	22.6	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	42	28713	17.7	
15 Iodomethane	1	142	3.184	3.177	0.007	98	85478	0	
16 Acrolein	1	56	3.392	3.392	0.0	91	280436	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	70	28340	0	
18 Isopropyl alcohol	1	45	3.559	3.552	0.007	91	186220	0	
19 Methylene Chloride	1	84	3.677	3.670	0.007	75	56633	19.4	
20 Acetone	1	43	3.732	3.725	0.007	100	170298	163.3	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	39	70015	17.9	
22 Methyl acetate	1	43	3.878	3.871	0.007	97	440844	153.7	
23 Hexane	1	57	3.962	3.961	0.001	57	90268	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	87	152738	20.0	
25 2-Methyl-2-propanol	1	59	4.094	4.093	0.0	12	80861	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	99	31514	0	
27 Isopropyl ether	1	45	4.448	4.447	0.001	91	129461	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	84	89951	18.3	
29 Acrylonitrile	1	53	4.663	4.663	0.0	60	21952	16.3	
30 Halothane	1	117	4.670	4.663	0.007	82	48820	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		35.5	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	38	145076	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	1021945	0	
34 cis-1,2-Dichloroethene	1	61	5.246	5.239	0.007	66	69084	17.6	
35 2,2-Dichloropropane	1	77	5.378	5.378	0.0	85	54362	21.7	
36 Chlorobromomethane	1	130	5.475	5.482	-0.007	81	45322	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	84	67696	0	
38 Chloroform	1	83	5.572	5.565	0.007	65	97757	18.8	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	611562	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	26	72756	24.6	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	71	225555	155.8	
42 sec-Butyl Alcohol	1	59	5.774	5.766	0.008	67	73441	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	68	84826	21.3	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	46	80169	22.0	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	98	274623	151.7	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	93	69924	19.1	
47 n-Heptane	1	43	6.232	6.225	0.007	90	50439	0	
48 Benzene	1	78	6.266	6.266	0.0	95	200614	18.4	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	98	147055	0	
50 Propionitrile	1	54	6.412	6.419	-0.007	0	943	0	M
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	15751	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	71	58573	19.5	
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	229519	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	44	23068	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	729785	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	81	65677	19.1	
56 Trichloroethene	1	95	6.975	6.975	0.0	92	48313	19.3	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	65	62520	0	
59 Dibromomethane	1	93	7.517	7.510	0.007	86	33535	19.9	
S 61 1,3-Dichloropropene, Total	1	1				0		38.7	
60 1,2-Dichloropropane	1	63	7.663	7.663	0.0	58	40478	16.8	
62 Dichlorobromomethane	1	83	7.754	7.753	0.001	87	57647	19.9	
63 Methyl methacrylate	1	69	8.011	8.004	0.007	85	30776	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	63	6003	0	M
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	6369	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	559464	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	89	275598	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	82	64277	18.9	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	92	229773	20.0	
70 Toluene	1	92	9.185	9.192	-0.007	90	99463	19.0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	97	836127	0	
72 2-Nitropropane	1	39	9.588	9.581	0.007	65	49300	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	75	54790	22.0	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.839	9.838	0.001	95	444236	154.8	
76 trans-1,3-Dichloropropene	1	75	9.873	9.880	-0.007	78	61683	19.9	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	96	859043	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.110	0.0	65	35684	17.7	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	73	59668	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	84	53437	21.3	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	88	61318	18.4	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	98	49679	20.5	
83 n-Butyl acetate	1	43	10.895	10.895	0.0	97	648664	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43	10.992	10.992	0.0	95	348027	162.9	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	81	175505	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	96	124828	19.2	
87 Ethylbenzene	1	91	11.375	11.374	0.001	51	197128	18.1	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	93	43657	20.3	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	311947	37.0	
S 71 Xylenes, Total	1	1				0		55.7	
90 o-Xylene	1	91	12.035	12.035	0.0	96	161517	18.7	
91 Styrene	1	104	12.097	12.097	0.0	74	131349	19.1	
92 Bromoform	1	173	12.111	12.111	0.0	67	45377	19.6	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	199079	19.2	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	86164	19.6	
$ 94 BFB	1	95	12.667	12.667	0.0	97	86164	0	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	17125	0	
97 Bromobenzene	1	77	12.765	12.764	0.001	84	82027	16.8	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	75	231687	18.2	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	93	65223	15.6	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	96	138674	18.2	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	71	170648	19.2	
102 1,2,3-Trichloropropane	1	110	13.015	13.022	-0.007	43	18412	19.2	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	3	14362	15.7	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	92	146907	18.1	
105 tert-Butylbenzene	1	119	13.328	13.327	0.001	90	144968	19.8	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	95	175701	19.6	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	206506	18.6	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	96	179987	20.4	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	90	112711	20.7	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	102619	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	88	114955	19.0	
112 n-Butylbenzene	1	91	14.030	14.029	0.001	94	157541	16.7	
113 Hexachloroethane	1	117	14.148	14.148	0.0	86	28227	0	
114 1,2-Dichlorobenzene	1	146	14.176	14.168	0.008	97	104010	18.9	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	89	16152	18.8	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	79489	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	65	3823	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	82	33629	19.7	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	92	69739	19.9	
120 Naphthalene	1	128	15.774	15.774	0.0	96	180103	16.9	
121 1,2,3-Trichlorobenzene	1	180	15.941	15.948	-0.007	95	63106	19.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 15-Dec-2011 09:07:02 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111213-7400.b\V22990.D

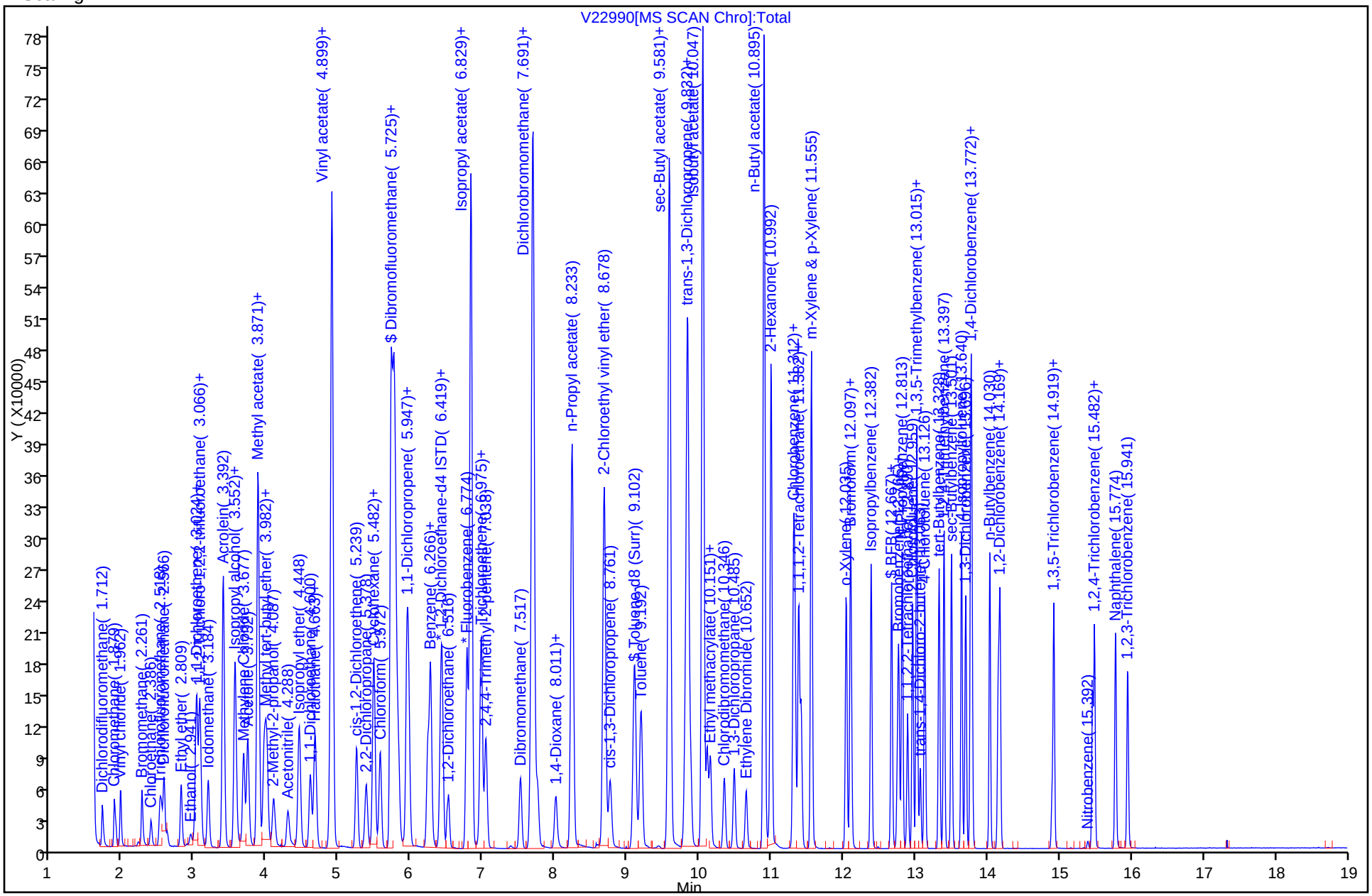
Injection Date: 13-Dec-2011 15:47:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84762 Lims Sample ID: 4

Operator ID: tph

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 MS Lab Sample ID: 360-37900-4 MS

Matrix: Water Lab File ID: V22940.D

Analysis Method: 8260B Date Collected: 12/01/2011 10:45

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 22:31

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	22.8		1.0	0.20
71-55-6	1,1,1-Trichloroethane	46.0		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	16.3		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20.2		1.0	0.20
79-00-5	1,1,2-Trichloroethane	22.0		1.0	0.20
75-34-3	1,1-Dichloroethane	39.4		1.0	0.20
75-35-4	1,1-Dichloroethene	26.6		1.0	0.20
563-58-6	1,1-Dichloropropene	22.0		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	19.6		1.0	0.20
96-18-4	1,2,3-Trichloropropane	20.5		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	20.9		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	20.6		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		5.0	0.20
95-50-1	1,2-Dichlorobenzene	21.9		1.0	0.20
107-06-2	1,2-Dichloroethane	22.8		1.0	0.20
78-87-5	1,2-Dichloropropane	19.2		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	20.5		1.0	0.20
541-73-1	1,3-Dichlorobenzene	22.4		1.0	0.20
142-28-9	1,3-Dichloropropane	20.4		1.0	0.20
106-46-7	1,4-Dichlorobenzene	20.4		1.0	0.20
594-20-7	2,2-Dichloropropane	27.2		1.0	0.20
78-93-3	2-Butanone (MEK)	171		10	1.3
95-49-8	2-Chlorotoluene	19.9		1.0	0.20
591-78-6	2-Hexanone	178		10	2.0
106-43-4	4-Chlorotoluene	20.0		1.0	0.20
99-87-6	4-Isopropyltoluene	22.6		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	178		10	2.0
67-64-1	Acetone	185		50	20
107-13-1	Acrylonitrile	19.4		0.50	0.20
71-43-2	Benzene	21.5		1.0	0.20
108-86-1	Bromobenzene	18.2		1.0	0.20
75-25-2	Bromoform	18.1		1.0	0.20
74-83-9	Bromomethane	22.6		2.0	0.20
75-15-0	Carbon disulfide	24.6		10	0.20
56-23-5	Carbon tetrachloride	29.1		1.0	0.20
108-90-7	Chlorobenzene	20.5		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 MS Lab Sample ID: 360-37900-4 MS

Matrix: Water Lab File ID: V22940.D

Analysis Method: 8260B Date Collected: 12/01/2011 10:45

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 22:31

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	22.2		0.50	0.20
75-00-3	Chloroethane	21.0		2.0	0.21
67-66-3	Chloroform	21.7		1.0	0.20
74-87-3	Chloromethane	17.0		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	54.0		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	19.8		0.40	0.20
74-95-3	Dibromomethane	22.8		1.0	0.20
75-27-4	Dichlorobromomethane	22.4		0.50	0.20
75-71-8	Dichlorodifluoromethane	22.8		1.0	0.20
100-41-4	Ethylbenzene	19.6		1.0	0.20
106-93-4	Ethylene Dibromide	22.0		1.0	0.20
87-68-3	Hexachlorobutadiene	21.6		0.40	0.20
98-82-8	Isopropylbenzene	22.9		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	40.1		2.0	0.50
1634-04-4	Methyl tert-butyl ether	23.5		1.0	0.20
75-09-2	Methylene Chloride	23.9		2.0	1.0
104-51-8	n-Butylbenzene	18.7		1.0	0.20
103-65-1	N-Propylbenzene	20.6		1.0	0.20
91-20-3	Naphthalene	17.4		5.0	2.0
95-47-6	o-Xylene	20.7		1.0	0.20
135-98-8	sec-Butylbenzene	26.2		1.0	0.20
100-42-5	Styrene	19.0		1.0	0.20
98-06-6	tert-Butylbenzene	23.7		1.0	0.20
127-18-4	Tetrachloroethene	27.4		1.0	0.20
109-99-9	Tetrahydrofuran	182		10	0.44
108-88-3	Toluene	21.3		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	22.1		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	21.2		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	14.7		5.0	0.20
79-01-6	Trichloroethene	56.8		1.0	0.33
75-69-4	Trichlorofluoromethane	25.5		1.0	0.20
75-01-4	Vinyl chloride	21.7		0.50	0.20
1330-20-7	Xylenes, Total	60.8		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 MS Lab Sample ID: 360-37900-4 MS

Matrix: Water Lab File ID: V22940.D

Analysis Method: 8260B Date Collected: 12/01/2011 10:45

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 22:31

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.: 84486 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	103		70-130
1868-53-7	Dibromofluoromethane	111		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130

Report Date: 13-Dec-2011 10:16:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22940.D
Lims ID: 360-37900-D-4 MS Client ID: BC-GW-MW06-120111 MS
Inject. Date: 08-Dec-2011 22:31:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 360-37900-D-4 MS
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 25
Lims Batch ID: 84486 Lims Sample ID: 25
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m
Last Update: 09-Dec-2011 12:18:17 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 13-Dec-2011 10:16:42

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	86	39953	22.8	
2 Chloromethane	1	50	1.879	1.872	0.007	89	41230	17.0	
3 Vinyl chloride	1	62	1.955	1.955	0.0	83	43353	21.7	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	45708	0	
5 Bromomethane	1	94	2.261	2.260	0.001	88	29652	22.6	
6 Chloroethane	1	64	2.386	2.385	0.001	94	22405	21.0	
7 Trichlorofluoromethane	1	101	2.517	2.517	0.0	84	70799	25.5	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	63	73873	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	89	38133	0	
10 Ethanol	1	45	2.934	2.934	0.0	97	25645	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	77	44361	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	88	54147	26.6	
13 Carbon disulfide	1	76	3.066	3.059	0.007	97	143222	24.6	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	3	29785	20.2	
15 Iodomethane	1	142	3.184	3.177	0.007	98	93192	0	
16 Acrolein	1	56	3.385	3.385	0.0	93	262172	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	65	29288	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	91	221843	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	81	63152	23.9	
20 Acetone	1	43	3.725	3.725	0.0	100	181758	184.6	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	44	78533	22.1	
22 Methyl acetate	1	43	3.871	3.871	0.0	97	415384	159.4	
23 Hexane	1	57	3.962	3.961	0.001	58	91921	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	62	163381	23.5	
25 2-Methyl-2-propanol	1	59	4.086	4.079	0.007	51	92107	0	
26 Acetonitrile	1	40	4.288	4.281	0.007	99	36991	0	
27 Isopropyl ether	1	45	4.441	4.440	0.001	92	140933	0	
28 1,1-Dichloroethane	1	63	4.600	4.593	0.007	84	175565	39.4	
29 Acrylonitrile	1	53	4.663	4.656	0.007	55	23776	19.4	
30 Halothane	1	117	4.663	4.663	0.0	74	53521	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		76.2	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	37	153955	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	974109	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	65	192520	54.0	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	85	61787	27.2	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	82	47381	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	81	71008	0	
38 Chloroform	1	83	5.565	5.565	0.0	74	102419	21.7	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	603472	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	28	78148	29.1	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	71	239925	182.4	
42 sec-Butyl Alcohol	1	59	5.767	5.766	0.001	91	81046	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	70	79864	22.1	
44 1,1,1-Trichloroethane	1	97	5.822	5.815	0.007	28	152025	46.0	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	98	292005	170.9	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	89	73124	22.0	
47 n-Heptane	1	43	6.232	6.232	0.0	91	54361	0	
48 Benzene	1	78	6.266	6.266	0.0	95	213022	21.5	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	97	156101	0	
50 Propionitrile	1	54	6.426	6.426	0.0	1	108	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	14864	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	71	62071	22.8	
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	208462	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.815	6.822	-0.007	45	22993	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	751410	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	61	70871	22.7	
56 Trichloroethene	1	95	6.975	6.975	0.0	93	128853	56.8	
58 2,4,4-Trimethyl-2-pentene	1	55	7.031	7.037	-0.006	50	53142	0	
59 Dibromomethane	1	93	7.510	7.517	-0.007	84	34893	22.8	
S 61 1,3-Dichloropropene, Total	1	1				0		41.0	
60 1,2-Dichloropropane	1	63	7.656	7.663	-0.007	64	41906	19.2	
62 Dichlorobromomethane	1	83	7.747	7.746	0.0	78	59096	22.4	
63 Methyl methacrylate	1	69	8.004	8.004	0.0	84	31015	0	
65 1,4-Dioxane	1	88	8.059	8.045	0.014	41	5398	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	5946	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	533196	0	
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	91	61306	19.8	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	92	210282	20.2	
70 Toluene	1	92	9.185	9.192	-0.007	89	101163	21.3	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	97	847186	0	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	50785	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	75	61909	27.4	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.832	9.831	0.001	95	481751	177.9	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	72	59692	21.2	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	96	838409	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.109	0.001	82	40214	22.0	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	67	58491	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	85	50611	22.2	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	88	61708	20.4	
82 Ethylene Dibromide	1	107	10.645	10.652	-0.007	97	48446	22.0	
83 n-Butyl acetate	1	43	10.895	10.895	0.0	97	618348	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43	10.992	10.992	0.0	95	358943	178.0	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	82	167968	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	95	127699	20.5	
87 Ethylbenzene	1	91	11.375	11.381	-0.007	50	204149	19.6	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	88	46746	22.8	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	323893	40.1	
S 71 Xylenes, Total	1	1				0		60.8	
90 o-Xylene	1	91	12.035	12.035	0.0	96	171089	20.7	
91 Styrene	1	104	12.097	12.097	0.0	75	125035	19.0	
92 Bromoform	1	173	12.104	12.104	0.0	45	40591	18.1	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	227308	22.9	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	96	86129	20.5	
$ 94 BFB	1	95	12.667	12.667	0.0	96	86129	0	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.001	0	13747	0	
97 Bromobenzene	1	77	12.765	12.764	0.001	83	84661	18.2	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	75	250514	20.6	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	86	66381	16.3	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	97	145221	19.9	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	67	173803	20.5	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	44	18887	20.5	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	7	12916	14.7	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	92	154944	20.0	
105 tert-Butylbenzene	1	119	13.327	13.327	0.0	91	166068	23.7	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	70	176821	20.6	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	278762	26.2	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	97	191187	22.6	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	90	116662	22.4	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	99662	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	90	119617	20.4	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	93	171780	18.7	
113 Hexachloroethane	1	117	14.148	14.147	0.001	82	30023	0	
114 1,2-Dichlorobenzene	1	146	14.168	14.175	-0.007	98	117450	21.9	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	79	16533	19.8	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	79937	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	70	4042	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	75	35717	21.6	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	85	71309	20.9	
120 Naphthalene	1	128	15.774	15.774	0.0	96	181016	17.4	
121 1,2,3-Trichlorobenzene	1	180	15.941	15.948	-0.007	95	62638	19.6	

Report Date: 13-Dec-2011 10:16:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22940.D

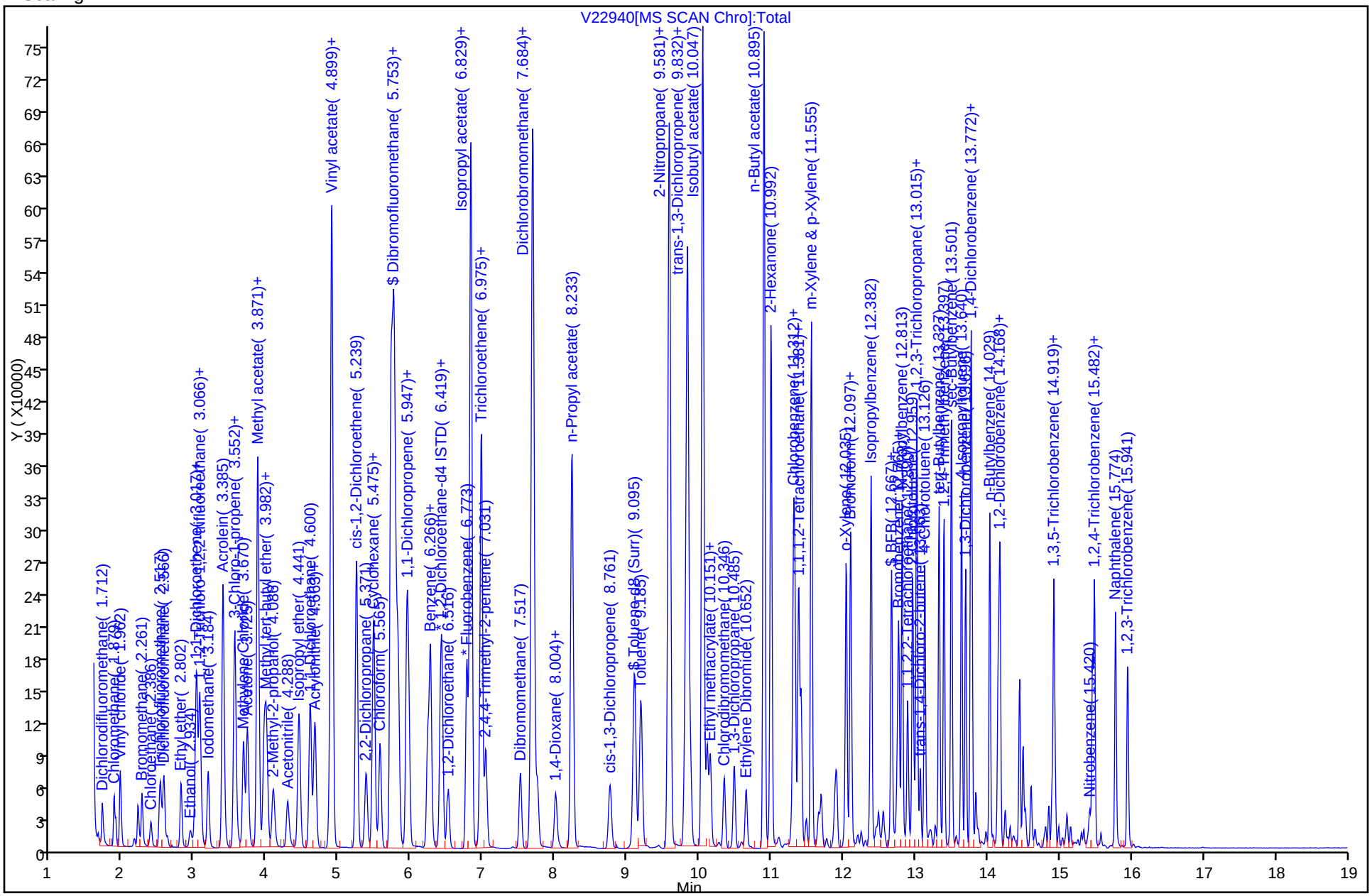
Injection Date: 08-Dec-2011 22:31:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-GW-MW06-120111 MS Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84486 Lims Sample ID: 25

Operator ID: tph

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 MSD | Lab Sample ID: 360-37900-4 MSD

Matrix: Water | Lab File ID: V22941.D

Analysis Method: 8260B | Date Collected: 12/01/2011 10:45

Sample wt/vol: 5(mL) | Date Analyzed: 12/08/2011 22:52

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.: 84486 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	22.0		1.0	0.20
71-55-6	1,1,1-Trichloroethane	43.8		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	16.3		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19.6		1.0	0.20
79-00-5	1,1,2-Trichloroethane	20.6		1.0	0.20
75-34-3	1,1-Dichloroethane	37.7		1.0	0.20
75-35-4	1,1-Dichloroethene	24.9		1.0	0.20
563-58-6	1,1-Dichloropropene	20.9		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	19.5		1.0	0.20
96-18-4	1,2,3-Trichloropropane	20.7		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	20.6		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	19.9		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	19.3		5.0	0.20
95-50-1	1,2-Dichlorobenzene	21.3		1.0	0.20
107-06-2	1,2-Dichloroethane	22.1		1.0	0.20
78-87-5	1,2-Dichloropropane	18.4		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	19.8		1.0	0.20
541-73-1	1,3-Dichlorobenzene	21.7		1.0	0.20
142-28-9	1,3-Dichloropropane	20.2		1.0	0.20
106-46-7	1,4-Dichlorobenzene	19.4		1.0	0.20
594-20-7	2,2-Dichloropropane	26.3		1.0	0.20
78-93-3	2-Butanone (MEK)	173		10	1.3
95-49-8	2-Chlorotoluene	19.5		1.0	0.20
591-78-6	2-Hexanone	177		10	2.0
106-43-4	4-Chlorotoluene	19.3		1.0	0.20
99-87-6	4-Isopropyltoluene	21.8		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	181		10	2.0
67-64-1	Acetone	185		50	20
107-13-1	Acrylonitrile	19.0		0.50	0.20
71-43-2	Benzene	20.6		1.0	0.20
108-86-1	Bromobenzene	17.9		1.0	0.20
75-25-2	Bromoform	18.1		1.0	0.20
74-83-9	Bromomethane	22.2		2.0	0.20
75-15-0	Carbon disulfide	23.4		10	0.20
56-23-5	Carbon tetrachloride	27.6		1.0	0.20
108-90-7	Chlorobenzene	20.3		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 MSD Lab Sample ID: 360-37900-4 MSD

Matrix: Water Lab File ID: V22941.D

Analysis Method: 8260B Date Collected: 12/01/2011 10:45

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 22:52

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.: 84486 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	21.9		0.50	0.20
75-00-3	Chloroethane	19.8		2.0	0.21
67-66-3	Chloroform	21.4		1.0	0.20
74-87-3	Chloromethane	16.5		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	52.0		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	19.7		0.40	0.20
74-95-3	Dibromomethane	21.7		1.0	0.20
75-27-4	Dichlorobromomethane	21.6		0.50	0.20
75-71-8	Dichlorodifluoromethane	21.4		1.0	0.20
100-41-4	Ethylbenzene	18.8		1.0	0.20
106-93-4	Ethylene Dibromide	21.9		1.0	0.20
87-68-3	Hexachlorobutadiene	20.5		0.40	0.20
98-82-8	Isopropylbenzene	21.9		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	38.6		2.0	0.50
1634-04-4	Methyl tert-butyl ether	23.5		1.0	0.20
75-09-2	Methylene Chloride	22.8		2.0	1.0
104-51-8	n-Butylbenzene	17.8		1.0	0.20
103-65-1	N-Propylbenzene	19.8		1.0	0.20
91-20-3	Naphthalene	17.6		5.0	2.0
95-47-6	o-Xylene	19.9		1.0	0.20
135-98-8	sec-Butylbenzene	25.5		1.0	0.20
100-42-5	Styrene	18.6		1.0	0.20
98-06-6	tert-Butylbenzene	22.8		1.0	0.20
127-18-4	Tetrachloroethene	25.4		1.0	0.20
109-99-9	Tetrahydrofuran	180		10	0.44
108-88-3	Toluene	20.3		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	20.6		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	20.1		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	15.2		5.0	0.20
79-01-6	Trichloroethene	54.3		1.0	0.33
75-69-4	Trichlorofluoromethane	24.4		1.0	0.20
75-01-4	Vinyl chloride	21.1		0.50	0.20
1330-20-7	Xylenes, Total	58.5		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 MSD Lab Sample ID: 360-37900-4 MSD

Matrix: Water Lab File ID: V22941.D

Analysis Method: 8260B Date Collected: 12/01/2011 10:45

Sample wt/vol: 5(mL) Date Analyzed: 12/08/2011 22:52

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.: 84486 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	105		70-130
1868-53-7	Dibromofluoromethane	110		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130

Report Date: 13-Dec-2011 10:18:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22941.D
Lims ID: 360-37900-F-4 MSD Client ID: BC-GW-MW06-120111 MSD
Inject. Date: 08-Dec-2011 22:52:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 360-37900-F-4 MSD
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 26
Lims Batch ID: 84486 Lims Sample ID: 26
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\WES2UNPR.m
Last Update: 09-Dec-2011 12:18:17 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 13-Dec-2011 10:18:14

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	85	38532	21.4	
2 Chloromethane	1	50	1.872	1.872	0.0	89	41072	16.5	
3 Vinyl chloride	1	62	1.955	1.955	0.0	83	43300	21.1	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	44699	0	
5 Bromomethane	1	94	2.261	2.260	0.001	89	29860	22.2	
6 Chloroethane	1	64	2.386	2.385	0.001	90	21734	19.8	
7 Trichlorofluoromethane	1	101	2.517	2.517	0.0	86	69374	24.4	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	70	74811	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	89	38305	0	
10 Ethanol	1	45	2.934	2.934	0.0	96	30741	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	70	44180	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	87	51901	24.9	
13 Carbon disulfide	1	76	3.059	3.059	0.0	98	140103	23.4	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	34	29686	19.6	
15 Iodomethane	1	142	3.184	3.177	0.007	98	93289	0	
16 Acrolein	1	56	3.385	3.385	0.0	94	267021	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	65	28227	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	91	235563	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	81	62009	22.8	
20 Acetone	1	43	3.725	3.725	0.0	100	182310	184.8	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	41	75240	20.6	
22 Methyl acetate	1	43	3.871	3.871	0.0	97	415529	155.4	
23 Hexane	1	57	3.961	3.961	0.0	58	90576	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	62	167517	23.5	
25 2-Methyl-2-propanol	1	59	4.086	4.079	0.007	13	94864	0	
26 Acetonitrile	1	40	4.288	4.281	0.007	99	38482	0	
27 Isopropyl ether	1	45	4.441	4.440	0.0	92	139933	0	
28 1,1-Dichloroethane	1	63	4.600	4.593	0.007	85	172458	37.7	
29 Acrylonitrile	1	53	4.656	4.656	0.0	61	23919	19.0	
30 Halothane	1	117	4.663	4.663	0.0	70	51294	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		72.6	
33 Tert-butyl ethyl ether	1	59	4.878	4.885	-0.007	45	158287	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	977784	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	65	190028	52.0	
35 2,2-Dichloropropane	1	77	5.378	5.371	0.007	82	61282	26.3	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	80	48178	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	82	69680	0	
38 Chloroform	1	83	5.565	5.565	0.0	75	103514	21.4	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	600016	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	28	76036	27.6	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	73	242649	179.8	
42 sec-Butyl Alcohol	1	59	5.767	5.766	0.0	67	82641	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	75	81648	22.0	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	34	148386	43.8	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	98	296716	173.3	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	94	71231	20.9	
47 n-Heptane	1	43	6.225	6.232	-0.007	92	50360	0	
48 Benzene	1	78	6.266	6.266	0.0	95	209521	20.6	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	97	156938	0	
50 Propionitrile	1	54	6.426	6.426	0.0	1	475	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	14897	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	75	61929	22.1	
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	213929	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.815	6.822	-0.007	43	21475	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	763546	0	
57 Methylcyclohexane	1	83	6.961	6.968	-0.007	71	67208	21.0	
56 Trichloroethene	1	95	6.975	6.975	0.0	98	126494	54.3	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.001	45	50343	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	85	34185	21.7	
S 61 1,3-Dichloropropene, Total	1	1				0		39.8	
60 1,2-Dichloropropane	1	63	7.656	7.663	-0.007	62	41382	18.4	
62 Dichlorobromomethane	1	83	7.753	7.746	0.007	78	58307	21.6	
63 Methyl methacrylate	1	69	8.004	8.004	0.0	86	31238	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	59	7021	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	7318	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	540501	0	
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	92	62480	19.7	
$ 69 Toluene-d8 (Surr)	1	98	9.095	9.102	-0.007	93	215734	20.2	
70 Toluene	1	92	9.192	9.192	0.0	93	99225	20.3	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	97	861824	0	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	51740	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	67	59073	25.4	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.832	9.831	0.001	96	490476	180.8	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	64	58329	20.1	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	96	850998	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.109	0.001	77	38569	20.6	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	68	60544	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	86	51123	21.9	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	88	62681	20.2	
82 Ethylene Dibromide	1	107	10.645	10.652	-0.007	99	49663	21.9	
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	631034	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43	10.992	10.992	0.0	95	357101	176.7	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	83	171061	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	96	128229	20.3	
87 Ethylbenzene	1	91	11.374	11.381	-0.007	50	199238	18.8	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	94	45920	22.0	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	317392	38.6	
S 71 Xylenes, Total	1	1				0		58.5	
90 o-Xylene	1	91	12.035	12.035	0.0	96	167421	19.9	
91 Styrene	1	104	12.097	12.097	0.0	74	124475	18.6	
92 Bromoform	1	173	12.104	12.104	0.0	49	41924	18.1	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	221308	21.9	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	89667	20.9	
$ 94 BFB	1	95	12.667	12.667	0.0	97	89667	0	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.001	0	14614	0	
97 Bromobenzene	1	77	12.765	12.764	0.0	82	85098	17.9	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	74	245416	19.8	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	94	68121	16.3	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	97	144944	19.5	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	68	171583	19.8	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	48	19423	20.7	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	2	13567	15.2	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	96	152543	19.3	
105 tert-Butylbenzene	1	119	13.327	13.327	0.0	91	163185	22.8	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	94	174386	19.9	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	275939	25.5	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	96	187708	21.8	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	95	114956	21.7	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	102454	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	90	117049	19.4	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	94	167877	17.8	
113 Hexachloroethane	1	117	14.148	14.147	0.001	88	29716	0	
114 1,2-Dichlorobenzene	1	146	14.168	14.175	-0.007	98	117151	21.3	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	78	16585	19.3	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	78209	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	66	4078	0	
118 Hexachlorobutadiene	1	225	15.461	15.454	0.007	72	34945	20.5	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	88	72193	20.6	
120 Naphthalene	1	128	15.774	15.774	0.0	96	188299	17.6	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	96	64050	19.5	

Report Date: 13-Dec-2011 10:18:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111208-7362.b\V22941.D

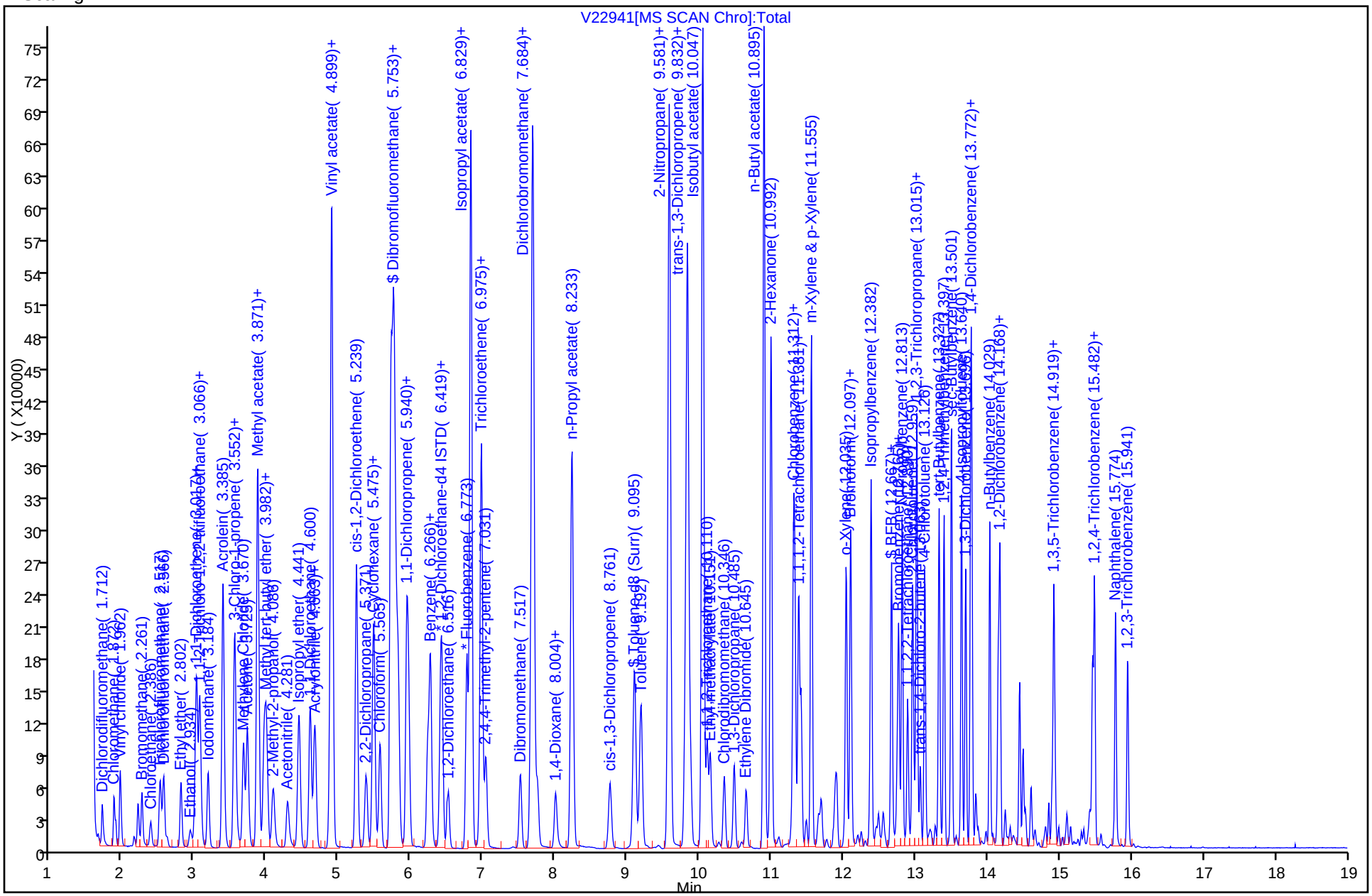
Injection Date: 08-Dec-2011 22:52:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-GW-MW06-120111 MSD Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84486 Lims Sample ID: 26

Operator ID: tph

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Instrument ID: Agilent#2 GC/MS Start Date: 11/29/2011 19:15

Analysis Batch Number: 84017 End Date: 11/29/2011 22:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-84017/1		11/29/2011 19:15	1	V22677.D	RTX-VMS 0.25(um)
STD03 360-84017/2 IC		11/29/2011 19:37	1	V22678.D	RTX-VMS 0.25(um)
STD05 360-84017/3 IC		11/29/2011 19:59	1	V22679.D	RTX-VMS 0.25(um)
STD1 360-84017/4 IC		11/29/2011 20:21	1	V22680.D	RTX-VMS 0.25(um)
STD5 360-84017/5 IC		11/29/2011 20:42	1	V22681.D	RTX-VMS 0.25(um)
STD10 360-84017/6 IC		11/29/2011 21:04	1	V22682.D	RTX-VMS 0.25(um)
STD20 360-84017/7 ICIS		11/29/2011 21:26	1	V22683.D	RTX-VMS 0.25(um)
STD40 360-84017/8 IC		11/29/2011 21:48	1	V22684.D	RTX-VMS 0.25(um)
STD80 360-84017/9 IC		11/29/2011 22:10	1	V22685.D	RTX-VMS 0.25(um)
STD160 360-84017/10 IC		11/29/2011 22:31	1	V22686.D	RTX-VMS 0.25(um)
ICV 360-84017/11		11/29/2011 22:53	1		RTX-VMS 0.25(um)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Instrument ID: Agilent#2 GC/MS Start Date: 12/08/2011 13:24

Analysis Batch Number: 84486 End Date: 12/08/2011 22:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-84486/1		12/08/2011 13:24	1	V22916.D	RTX-VMS 0.25(um)
CCVIS 360-84486/2		12/08/2011 13:46	1	V22917.D	RTX-VMS 0.25(um)
LCS 360-84486/3		12/08/2011 14:07	1	V22918.D	RTX-VMS 0.25(um)
LCSD 360-84486/4		12/08/2011 14:29	1	V22919.D	RTX-VMS 0.25(um)
MB 360-84486/6		12/08/2011 15:13	1	V22921.D	RTX-VMS 0.25(um)
ZZZZZ		12/08/2011 15:13	1		RTX-VMS 0.25(um)
ZZZZZ		12/08/2011 16:01	1		RTX-VMS 0.25(um)
ZZZZZ		12/08/2011 16:01	1		RTX-VMS 0.25(um)
360-37900-1	BC-TB-GW-120111	12/08/2011 19:16	1	V22931.D	RTX-VMS 0.25(um)
ZZZZZ		12/08/2011 19:38	5		RTX-VMS 0.25(um)
ZZZZZ		12/08/2011 19:38	5		RTX-VMS 0.25(um)
360-37900-3	BC-GW-MW25-120111	12/08/2011 19:59	1	V22933.D	RTX-VMS 0.25(um)
ZZZZZ		12/08/2011 19:59	1		RTX-VMS 0.25(um)
360-37900-4	BC-GW-MW06-120111	12/08/2011 20:21	1	V22934.D	RTX-VMS 0.25(um)
360-37900-5	BC-GW-MW301-120111	12/08/2011 20:43	1	V22935.D	RTX-VMS 0.25(um)
ZZZZZ		12/08/2011 20:43	1		RTX-VMS 0.25(um)
360-37900-6	BC-GW-MW200A-120111	12/08/2011 21:04	1	V22936.D	RTX-VMS 0.25(um)
ZZZZZ		12/08/2011 21:04	1		RTX-VMS 0.25(um)
360-37900-7	BC-GW-MW302-120111	12/08/2011 21:26	1	V22937.D	RTX-VMS 0.25(um)
ZZZZZ		12/08/2011 21:26	1		RTX-VMS 0.25(um)
360-37900-8	BC-GW-MW304-120111	12/08/2011 21:48	1	V22938.D	RTX-VMS 0.25(um)
ZZZZZ		12/08/2011 21:48	1		RTX-VMS 0.25(um)
360-37900-9	BC-GW-MW305-120111	12/08/2011 22:10	1	V22939.D	RTX-VMS 0.25(um)
ZZZZZ		12/08/2011 22:10	1		RTX-VMS 0.25(um)
360-37900-4 MS	BC-GW-MW06-120111 MS	12/08/2011 22:31	1	V22940.D	RTX-VMS 0.25(um)
360-37900-4 MSD	BC-GW-MW06-120111 MSD	12/08/2011 22:52	1	V22941.D	RTX-VMS 0.25(um)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Instrument ID: Agilent#2 GC/MS Start Date: 12/13/2011 14:42

Analysis Batch Number: 84762 End Date: 12/13/2011 16:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-84762/1		12/13/2011 14:42	1	V22987.D	RTX-VMS 0.25(um)
CCVIS 360-84762/2		12/13/2011 15:04	1	V22988.D	RTX-VMS 0.25(um)
LCS 360-84762/3		12/13/2011 15:26	1	V22989.D	RTX-VMS 0.25(um)
LCSD 360-84762/4		12/13/2011 15:47	1	V22990.D	RTX-VMS 0.25(um)
MB 360-84762/6		12/13/2011 16:31	1	V22992.D	RTX-VMS 0.25(um)
ZZZZZ		12/13/2011 16:31	1		RTX-VMS 0.25(um)
360-37900-2	BC-GW-MWDUP01-120111	12/13/2011 16:55	1	V22993.D	RTX-VMS 0.25(um)

Method MAEPH Low Level

Massachusetts - Extractable Petroleum Hydrocarbons (GC) by Method MAEPH Low Level

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low

GC Column (1): RTX-5 ID: 0.25 (mm) GC Column (2): RTX-5 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	FBP1 #	2BN1 #	OTPH1 #	1COD2 #
BC-GW-MWDUP01-120111	360-37900-2	85	86	80	72
BC-GW-MW25-120111	360-37900-3	81	81	83	78
BC-GW-MW06-120111	360-37900-4	78	79	79	77
BC-GW-MW301-120111	360-37900-5	81	81	89	93
BC-GW-MW200A-120111	360-37900-6	82	83	89	90
BC-GW-MW302-120111	360-37900-7	84	84	80	78
BC-GW-MW304-120111	360-37900-8	82	82	84	84
BC-GW-MW305-120111	360-37900-9	79	80	83	84
	MB 360-84516/1-A	74	74	73	78
	LCS 360-84516/2-A	76	76	91	83
	LCSD 360-84516/3-A	75	75	83	80
BC-GW-MW06-120111 MS	360-37900-4 MS	85	86	84	70
BC-GW-MW06-120111 MSD	360-37900-4 MSD	79	80	75	67

	QC LIMITS
FBP = 2-Fluorobiphenyl	40-140
2BN = 2-Bromonaphthalene	40-140
OTPH = o-Terphenyl	40-140
1COD = 1-Chlorooctadecane	40-140

Column to be used to flag recovery values

FORM II MA-EPH-LL

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: R402061.D

Lab ID: LCS 360-84516/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	100	80.4	80	40-140	
Acenaphthylene	100	81.4	81	40-140	
Anthracene	100	97.8	98	40-140	
Benzo[a]anthracene	100	106	106	40-140	
Benzo[a]pyrene	100	105	105	40-140	
Benzo[b]fluoranthene	100	117	117	40-140	
Benzo[g,h,i]perylene	100	118	118	40-140	
Benzo[k]fluoranthene	100	105	105	40-140	
Chrysene	100	103	103	40-140	
Dibenz(a,h)anthracene	100	110	110	40-140	
Fluoranthene	100	97.0	97	40-140	
Fluorene	100	89.0	89	40-140	
Indeno[1,2,3-cd]pyrene	100	124	124	40-140	
2-Methylnaphthalene	100	77.0	77	40-140	
Naphthalene	100	69.8	70	40-140	
Phenanthrene	100	93.2	93	40-140	
Pyrene	100	93.0	93	40-140	
C11-C22 Aromatics	1700	1670	98	40-140	
C19-C36 Aliphatics	800	751	94	40-140	
C9-C18 Aliphatics	600	317	53	40-140	
C19	100	88.0	88	40-140	
Dodecane	100	53.8	54	40-140	
Hexadecane	100	81.0	81	40-140	
icosane	100	82.0	82	40-140	
n-Decane	100	38.2	38	40-140	*
n-Docosane	100	84.0	84	40-140	
n-Hexacosane	100	92.2	92	40-140	
n-Hexatriacontane	100	109	109	40-140	
n-Nonane	100	33.4	33	30-140	
n-Octacosane	100	82.4	82	40-140	
n-Octadecane	100	85.6	86	40-140	
n-Tetracosane	100	84.0	84	40-140	
n-Tetradecane	100	68.6	69	40-140	
Triacontane	100	90.2	90	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH-LL

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: R402063.D

Lab ID: LCSD 360-84516/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	100	76.2	76	5	25	40-140	
Acenaphthylene	100	76.6	77	6	25	40-140	
Anthracene	100	90.0	90	8	25	40-140	
Benzo[a]anthracene	100	96.0	96	10	25	40-140	
Benzo[a]pyrene	100	97.2	97	8	25	40-140	
Benzo[b]fluoranthene	100	103	103	13	25	40-140	
Benzo[g,h,i]perylene	100	110	110	7	25	40-140	
Benzo[k]fluoranthene	100	99.0	99	6	25	40-140	
Chrysene	100	93.8	94	10	25	40-140	
Dibenz(a,h)anthracene	100	105	105	5	25	40-140	
Fluoranthene	100	88.2	88	10	25	40-140	
Fluorene	100	83.2	83	7	25	40-140	
Indeno[1,2,3-cd]pyrene	100	111	111	10	25	40-140	
2-Methylnaphthalene	100	72.4	72	6	25	40-140	
Naphthalene	100	65.0	65	7	25	40-140	
Phenanthrene	100	84.8	85	9	25	40-140	
Pyrene	100	84.8	85	9	25	40-140	
C11-C22 Aromatics	1700	1540	91	8	25	40-140	
C19-C36 Aliphatics	800	658	82	13	25	40-140	
C9-C18 Aliphatics	600	310	52	2	25	40-140	
C19	100	86.0	86	2	25	40-140	
Dodecane	100	49.6	50	8	25	40-140	
Hexadecane	100	79.6	80	2	25	40-140	
icosane	100	80.0	80	2	25	40-140	
n-Decane	100	32.4	32	16	25	40-140	
n-Docosane	100	82.0	82	2	25	40-140	
n-Hexacosane	100	90.0	90	2	25	40-140	
n-Hexatriacontane	100	105	105	4	25	40-140	
n-Nonane	100	28.0	28	18	25	30-140	
n-Octacosane	100	80.4	80	2	25	40-140	
n-Octadecane	100	84.0	84	2	25	40-140	
n-Tetracosane	100	82.6	83	2	25	40-140	
n-Tetradecane	100	66.6	67	3	25	40-140	
Triacontane	100	88.2	88	2	25	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH-LL

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: R402071.D

Lab ID: 360-37900-4 MS Client ID: BC-GW-MW06-120111 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acenaphthene	97.1	ND	73.0	75	40-140	
Acenaphthylene	97.1	ND	73.0	75	40-140	
Anthracene	97.1	ND	91.3	94	40-140	
Benzo[a]anthracene	97.1	ND	97.9	101	40-140	
Benzo[a]pyrene	97.1	ND	96.7	100	40-140	
Benzo[b]fluoranthene	97.1	ND	103	106	40-140	
Benzo[g,h,i]perylene	97.1	ND	105	108	40-140	
Benzo[k]fluoranthene	97.1	ND	99.4	102	40-140	
Chrysene	97.1	ND	95.1	98	40-140	
Dibenz(a,h)anthracene	97.1	ND	100	103	40-140	
Fluoranthene	97.1	ND	90.5	93	40-140	
Fluorene	97.1	ND	82.1	85	40-140	
Indeno[1,2,3-cd]pyrene	97.1	ND	109	112	40-140	
2-Methylnaphthalene	97.1	ND	64.5	66	40-140	
Naphthalene	97.1	1.8	56.9	57	40-140	
Phenanthrene	97.1	ND	86.0	89	40-140	
Pyrene	97.1	ND	86.8	89	40-140	
C11-C22 Aromatics	1650	ND	1520	92	40-140	
C19-C36 Aliphatics	777	ND	597	77	40-140	
C9-C18 Aliphatics	583	ND	286	49	40-140	
C19	97.1	ND	78.6	81	40-140	
Dodecane	97.1	ND	31.7	33	40-140	F
Hexadecane	97.1	ND	70.3	72	40-140	
icosane	97.1	ND	79.6	82	40-140	
n-Decane	97.1	2.4	11.1	9	40-140	F
n-Docosane	97.1	ND	75.7	78	40-140	
n-Hexacosane	97.1	ND	83.3	86	40-140	
n-Hexatriacontane	97.1	ND	84.9	87	40-140	
n-Nonane	97.1	ND	7.77	8	30-140	F
n-Octacosane	97.1	ND	74.4	77	40-140	
n-Octadecane	97.1	ND	76.1	78	40-140	
n-Tetracosane	97.1	ND	76.5	79	40-140	
n-Tetradecane	97.1	ND	55.9	58	40-140	
Triacontane	97.1	ND	81.0	83	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH-LL

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Matrix: Water Level: Low Lab File ID: R402073.D

Lab ID: 360-37900-4 MSD Client ID: BC-GW-MW06-120111 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	95.7	64.5	67	12	50	40-140	
Acenaphthylene	95.7	65.5	68	11	50	40-140	
Anthracene	95.7	80.8	84	12	50	40-140	
Benzo[a]anthracene	95.7	85.6	89	13	50	40-140	
Benzo[a]pyrene	95.7	84.6	88	13	50	40-140	
Benzo[b]fluoranthene	95.7	91.3	95	12	50	40-140	
Benzo[g,h,i]perylene	95.7	92.2	96	13	50	40-140	
Benzo[k]fluoranthene	95.7	85.4	89	15	50	40-140	
Chrysene	95.7	83.1	87	14	50	40-140	
Dibenz(a,h)anthracene	95.7	87.3	91	14	50	40-140	
Fluoranthene	95.7	79.8	83	13	50	40-140	
Fluorene	95.7	73.9	77	11	50	40-140	
Indeno[1,2,3-cd]pyrene	95.7	95.7	100	13	50	40-140	
2-Methylnaphthalene	95.7	56.1	59	14	50	40-140	
Naphthalene	95.7	52.1	53	9	50	40-140	
Phenanthrene	95.7	76.6	80	12	50	40-140	
Pyrene	95.7	76.6	80	13	50	40-140	
C11-C22 Aromatics	1630	1350	83	12	50	40-140	
C19-C36 Aliphatics	766	571	75	4	50	40-140	
C9-C18 Aliphatics	574	305	53	6	50	40-140	
C19	95.7	74.6	78	5	50	40-140	
Dodecane	95.7	31.2	33	1	50	40-140	F
Hexadecane	95.7	67.2	70	5	50	40-140	
icosane	95.7	75.6	79	5	50	40-140	
n-Decane	95.7	14.8	13	29	50	40-140	F
n-Docosane	95.7	71.8	75	5	50	40-140	
n-Hexacosane	95.7	78.7	82	6	50	40-140	
n-Hexatriacontane	95.7	84.4	88	1	50	40-140	
n-Nonane	95.7	11.6	12	40	50	30-140	F
n-Octacosane	95.7	70.2	73	6	50	40-140	
n-Octadecane	95.7	72.7	76	5	50	40-140	
n-Tetracosane	95.7	72.3	76	6	50	40-140	
n-Tetradecane	95.7	53.2	56	5	50	40-140	
Triacontane	95.7	76.9	80	5	50	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH-LL

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: MB 360-84516/1-A

Matrix: Water Date Extracted: 12/08/2011 13:30

Lab File ID:(1) R402095.D Lab File ID:(2) R402095.D

Date Analyzed:(1) 12/14/2011 08:02 Date Analyzed:(2) 12/14/2011 08:02

Instrument ID:(1) INST R Instrument ID:(2) INST R

GC Column:(1) RTX-5 ID: 0.25(mm) GC Column:(2) RTX-5 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 360-84516/2-A	12/13/2011 16:34	12/13/2011 16:34
	LCSD 360-84516/3-A	12/13/2011 17:08	12/13/2011 17:08
BC-GW-MWDUP01-120111	360-37900-2	12/13/2011 17:43	12/13/2011 17:43
BC-GW-MW25-120111	360-37900-3	12/13/2011 18:17	12/13/2011 18:17
BC-GW-MW06-120111	360-37900-4	12/13/2011 18:51	12/13/2011 18:51
BC-GW-MW06-120111 MS	360-37900-4 MS	12/13/2011 19:25	12/13/2011 19:25
BC-GW-MW06-120111 MSD	360-37900-4 MSD	12/13/2011 19:59	12/13/2011 19:59
BC-GW-MW301-120111	360-37900-5	12/13/2011 20:33	12/13/2011 20:33
BC-GW-MW200A-120111	360-37900-6	12/13/2011 21:08	12/13/2011 21:08
BC-GW-MW302-120111	360-37900-7	12/13/2011 21:41	12/13/2011 21:41
BC-GW-MW304-120111	360-37900-8	12/13/2011 22:16	12/13/2011 22:16
BC-GW-MW305-120111	360-37900-9	12/13/2011 22:50	12/13/2011 22:50

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Sample No.: CCVRT 360-84720/1 Date Analyzed: 12/13/2011 12:56

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R402051.D Heated Purge: (Y/N) N

Calibration ID: 16336

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				FBP	2BN	OTPH
				RT #	RT #	RT #
CONTINUING CALIBRATION SURROGATE				5.94	6.81	10.41
UPPER LIMIT				6.04	6.91	10.51
LOWER LIMIT				5.84	6.71	10.31
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-84720/1		12/13/2011 12:56	R402051.D	5.94	6.81	10.41
LCS 360-84516/2-A		12/13/2011 16:34	R402061.D	5.94	6.80	10.42
LCSD 360-84516/3-A		12/13/2011 17:08	R402063.D	5.94	6.80	10.42
360-37900-2	BC-GW-MWDUP01-120111	12/13/2011 17:43	R402065.D	5.94	6.80	10.42
360-37900-3	BC-GW-MW25-120111	12/13/2011 18:17	R402067.D	5.94	6.80	10.42
360-37900-4	BC-GW-MW06-120111	12/13/2011 18:51	R402069.D	5.94	6.80	10.42
360-37900-4 MS	BC-GW-MW06-120111 MS	12/13/2011 19:25	R402071.D	5.94	6.80	10.42
360-37900-4 MSD	BC-GW-MW06-120111 MSD	12/13/2011 19:59	R402073.D	5.94	6.80	10.42
360-37900-5	BC-GW-MW301-120111	12/13/2011 20:33	R402075.D	5.94	6.80	10.42
360-37900-6	BC-GW-MW200A-120111	12/13/2011 21:08	R402077.D	5.94	6.80	10.42
360-37900-7	BC-GW-MW302-120111	12/13/2011 21:41	R402079.D	5.94	6.80	10.42
360-37900-8	BC-GW-MW304-120111	12/13/2011 22:16	R402081.D	5.94	6.80	10.42
360-37900-9	BC-GW-MW305-120111	12/13/2011 22:50	R402083.D	5.94	6.80	10.42
CCV 360-84720/22		12/14/2011 01:41	R402093.D	5.94	6.80	10.41
MB 360-84516/1-A		12/14/2011 08:02	R402095.D	5.94	6.80	10.42
CCV 360-84720/30		12/14/2011 12:36	R402111.D	5.94	6.80	10.41

FBP = 2-Fluorobiphenyl
2BN = 2-Bromonaphthalene
OTPH = o-Terphenyl

FBP RT Limit = ± 0.1 minutes of surrogate RT
2BN RT Limit = ± 0.1 minutes of surrogate RT
OTPH RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII MA-EPH-LL

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Sample No.: CCVRT 360-84720/1 Date Analyzed: 12/13/2011 12:56

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R402051.D Heated Purge: (Y/N) N

Calibration ID: 16337

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1COD RT #		
CONTINUING CALIBRATION SURROGATE				13.98		
UPPER LIMIT				14.08		
LOWER LIMIT				13.88		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-84720/1		12/13/2011 12:56	R402051.D	13.98		
LCS 360-84516/2-A		12/13/2011 16:34	R402061.D	13.99		
LCSD 360-84516/3-A		12/13/2011 17:08	R402063.D	13.99		
360-37900-2	BC-GW-MWDUP01-120111	12/13/2011 17:43	R402065.D	13.99		
360-37900-3	BC-GW-MW25-120111	12/13/2011 18:17	R402067.D	13.99		
360-37900-4	BC-GW-MW06-120111	12/13/2011 18:51	R402069.D	13.99		
360-37900-4 MS	BC-GW-MW06-120111 MS	12/13/2011 19:25	R402071.D	13.99		
360-37900-4 MSD	BC-GW-MW06-120111 MSD	12/13/2011 19:59	R402073.D	13.99		
360-37900-5	BC-GW-MW301-120111	12/13/2011 20:33	R402075.D	13.99		
360-37900-6	BC-GW-MW200A-120111	12/13/2011 21:08	R402077.D	13.99		
360-37900-7	BC-GW-MW302-120111	12/13/2011 21:41	R402079.D	13.99		
360-37900-8	BC-GW-MW304-120111	12/13/2011 22:16	R402081.D	13.99		
360-37900-9	BC-GW-MW305-120111	12/13/2011 22:50	R402083.D	13.99		
CCV 360-84720/22		12/14/2011 01:41	R402093.D	13.98		
MB 360-84516/1-A		12/14/2011 08:02	R402095.D	13.98		
CCV 360-84720/30		12/14/2011 12:36	R402111.D	13.98		

1COD = 1-Chlorooctadecane

1COD RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII MA-EPH-LL

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MWDUP01-120111 | Lab Sample ID: 360-37900-2

Matrix: Water | Lab File ID: R402065.D

Analysis Method: MA-EPH-LL | Date Collected: 12/01/2011 12:00

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1025(mL) | Date Analyzed: 12/13/2011 17:43

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.98	0.98
208-96-8	Acenaphthylene	ND		0.29	0.29
120-12-7	Anthracene	ND		0.98	0.98
56-55-3	Benzo[a]anthracene	ND		0.29	0.29
50-32-8	Benzo[a]pyrene	ND		0.20	0.20
205-99-2	Benzo[b]fluoranthene	ND		0.29	0.29
191-24-2	Benzo[g,h,i]perylene	ND		0.49	0.49
207-08-9	Benzo[k]fluoranthene	ND		0.29	0.29
218-01-9	Chrysene	ND		0.98	0.98
53-70-3	Dibenz(a,h)anthracene	ND		0.44	0.44
206-44-0	Fluoranthene	ND		0.98	0.98
86-73-7	Fluorene	ND		0.98	0.98
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.44	0.44
91-57-6	2-Methylnaphthalene	ND		0.98	0.98
91-20-3	Naphthalene	1.5		0.98	0.98
85-01-8	Phenanthrene	ND		0.20	0.20
129-00-0	Pyrene	ND		0.98	0.98
STL00058	C11-C22 Aromatics	ND		98	98

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	86		40-140
321-60-8	2-Fluorobiphenyl	85		40-140
84-15-1	o-Terphenyl	80		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402065.D		
Lims ID:	360-37900-B-2-A	Client ID:	BC-GW-MWDUP01-120111
Inject. Date:	13-Dec-2011 17:43:21	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-B-2-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	84720	Lims Sample ID:	8
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:30:57

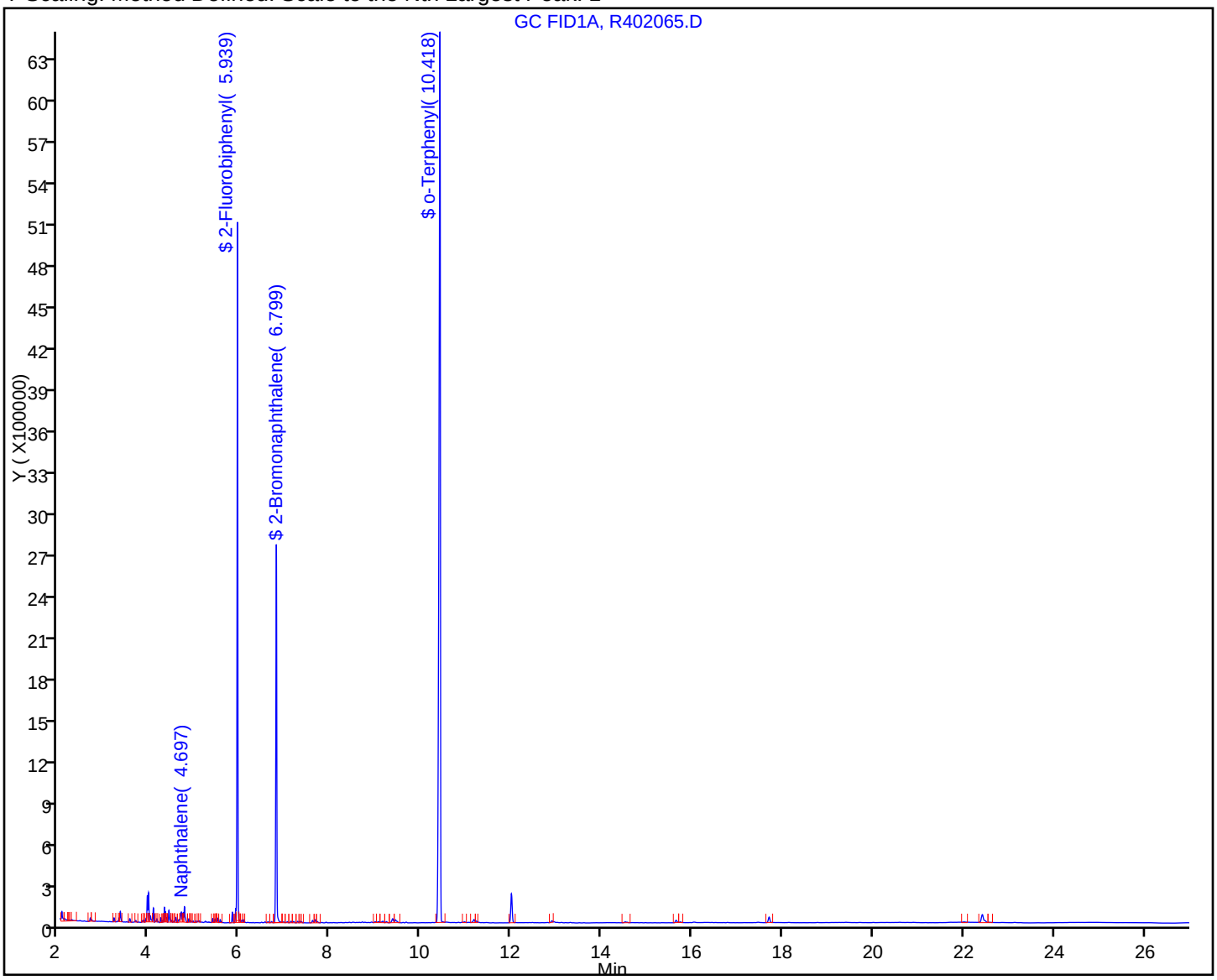
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.944	-0.005	6028046	42.4	
$ 2 2-Bromonaphthalene						
1	6.799	6.805	-0.006	4051876	43.0	
$ 3 o-Terphenyl						
1	10.418	10.414	0.004	14214679	79.5	
$ 4 1-Chlorooctadecane						
2	13.987	13.979	0.008	11089163	72.3	
6 n-Decane						
2	4.148	4.116	0.032	221224	1.11	
7 Naphthalene						
1	4.697	4.699	-0.002	137983	0.7792	
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		8482641	6.24	
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		4762306	30.5	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		3671197	17.7	
S 43 Total EPH						
2					53.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					29.8	
S 44 EPH Adjustment 1						
1					0.7792	

Report Date: 14-Dec-2011 11:30:57 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402065.D

Injection Date:	13-Dec-2011 17:43:21	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MWDUP01-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	8
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MWDUP01-120111 Lab Sample ID: 360-37900-2

Matrix: Water Lab File ID: R402065.D

Analysis Method: MA-EPH-LL Date Collected: 12/01/2011 12:00

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1025(mL) Date Analyzed: 12/13/2011 17:43

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		98	98
STL00087	C19-C36 Aliphatics	ND		98	98
STL00306	C9-C18 Aliphatics	ND		98	98
STL00362	Total EPH	ND		98	98

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	72		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402065.D		
Lims ID:	360-37900-B-2-A	Client ID:	BC-GW-MWDUP01-120111
Inject. Date:	13-Dec-2011 17:43:21	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-B-2-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	84720	Lims Sample ID:	8
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

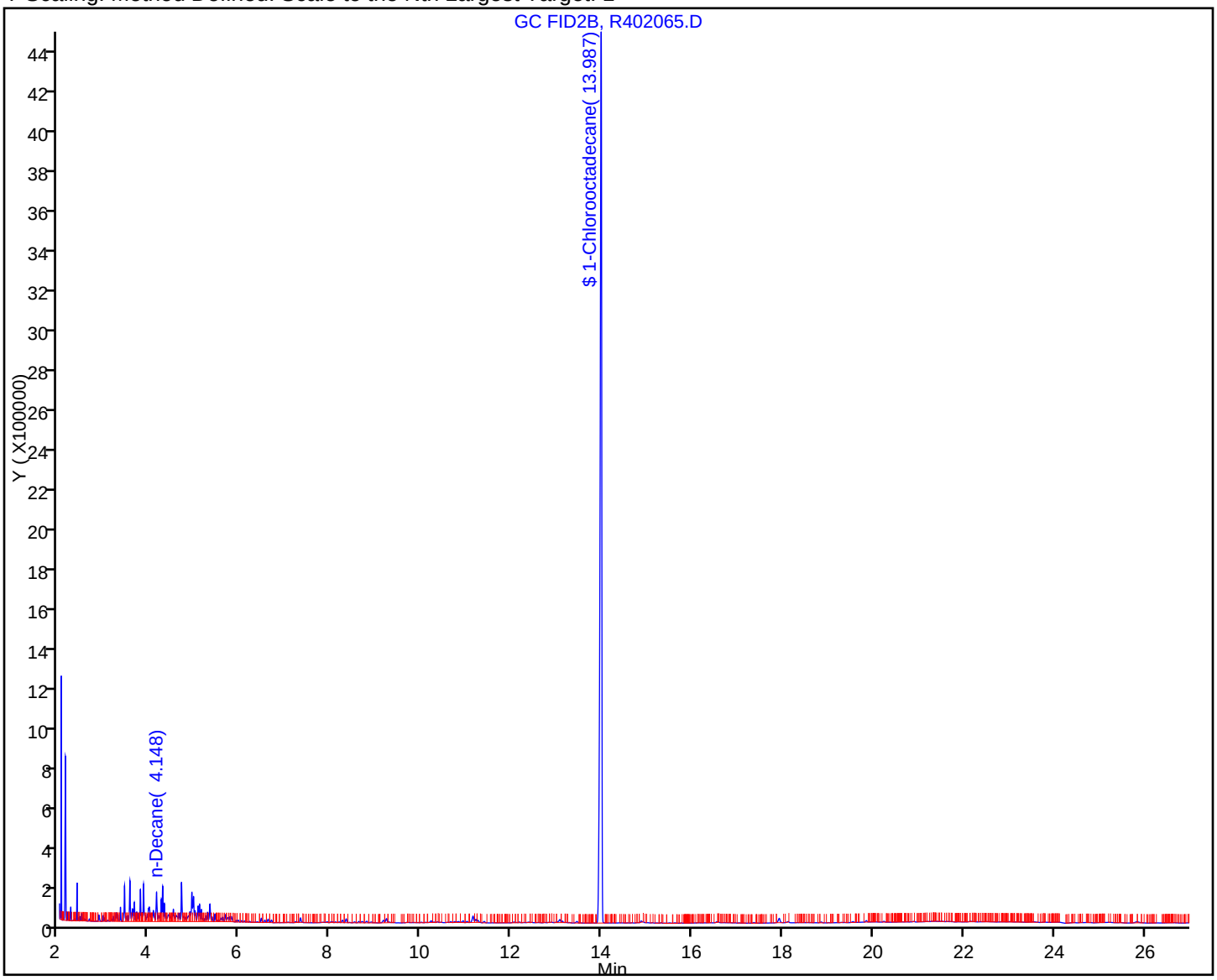
First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:30:57

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.944	-0.005	6028046	42.4	
$ 2 2-Bromonaphthalene						
1	6.799	6.805	-0.006	4051876	43.0	
$ 3 o-Terphenyl						
1	10.418	10.414	0.004	14214679	79.5	
$ 4 1-Chlorooctadecane						
2	13.987	13.979	0.008	11089163	72.3	
6 n-Decane						
2	4.148	4.116	0.032	221224	1.11	
7 Naphthalene						
1	4.697	4.699	-0.002	137983	0.7792	
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		8482641	6.24	
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		4762306	30.5	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		3671197	17.7	
S 43 Total EPH						
2					53.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					29.8	
S 44 EPH Adjustment 1						
1					0.7792	

Report Date: 14-Dec-2011 11:30:57 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402065.D		
Injection Date:	13-Dec-2011 17:43:21	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MWDUP01-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	8
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW25-120111 | Lab Sample ID: 360-37900-3

Matrix: Water | Lab File ID: R402067.D

Analysis Method: MA-EPH-LL | Date Collected: 12/01/2011 12:20

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1025(mL) | Date Analyzed: 12/13/2011 18:17

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.98	0.98
208-96-8	Acenaphthylene	ND		0.29	0.29
120-12-7	Anthracene	ND		0.98	0.98
56-55-3	Benzo[a]anthracene	ND		0.29	0.29
50-32-8	Benzo[a]pyrene	ND		0.20	0.20
205-99-2	Benzo[b]fluoranthene	ND		0.29	0.29
191-24-2	Benzo[g,h,i]perylene	ND		0.49	0.49
207-08-9	Benzo[k]fluoranthene	ND		0.29	0.29
218-01-9	Chrysene	ND		0.98	0.98
53-70-3	Dibenz(a,h)anthracene	ND		0.44	0.44
206-44-0	Fluoranthene	ND		0.98	0.98
86-73-7	Fluorene	ND		0.98	0.98
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.44	0.44
91-57-6	2-Methylnaphthalene	ND		0.98	0.98
91-20-3	Naphthalene	ND		0.98	0.98
85-01-8	Phenanthrene	ND		0.20	0.20
129-00-0	Pyrene	ND		0.98	0.98
STL00058	C11-C22 Aromatics	ND		98	98

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	81		40-140
321-60-8	2-Fluorobiphenyl	81		40-140
84-15-1	o-Terphenyl	83		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402067.D		
Lims ID:	360-37900-B-3-A	Client ID:	BC-GW-MW25-120111
Inject. Date:	13-Dec-2011 18:17:16	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-B-3-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	84720	Lims Sample ID:	9
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:02

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.944	-0.006	5755362	40.5	
$ 2 2-Bromonaphthalene						
1	6.798	6.805	-0.007	3825242	40.6	
$ 3 o-Terphenyl						
1	10.418	10.414	0.004	14893105	83.3	
$ 4 1-Chlorooctadecane						
2	13.988	13.979	0.009	12006776	78.3	
A 40 C11-C22 Aromatics						
1	12.800	4.599	- 21.002	3539124	22.7	
A 41 C19-C36 Aliphatics						
2	18.552	11.323	-25.780	3423052	16.5	
S 43 Total EPH						
2					39.2	
S 42 C11-C22 Aromatics (Adjusted)						
2					22.7	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

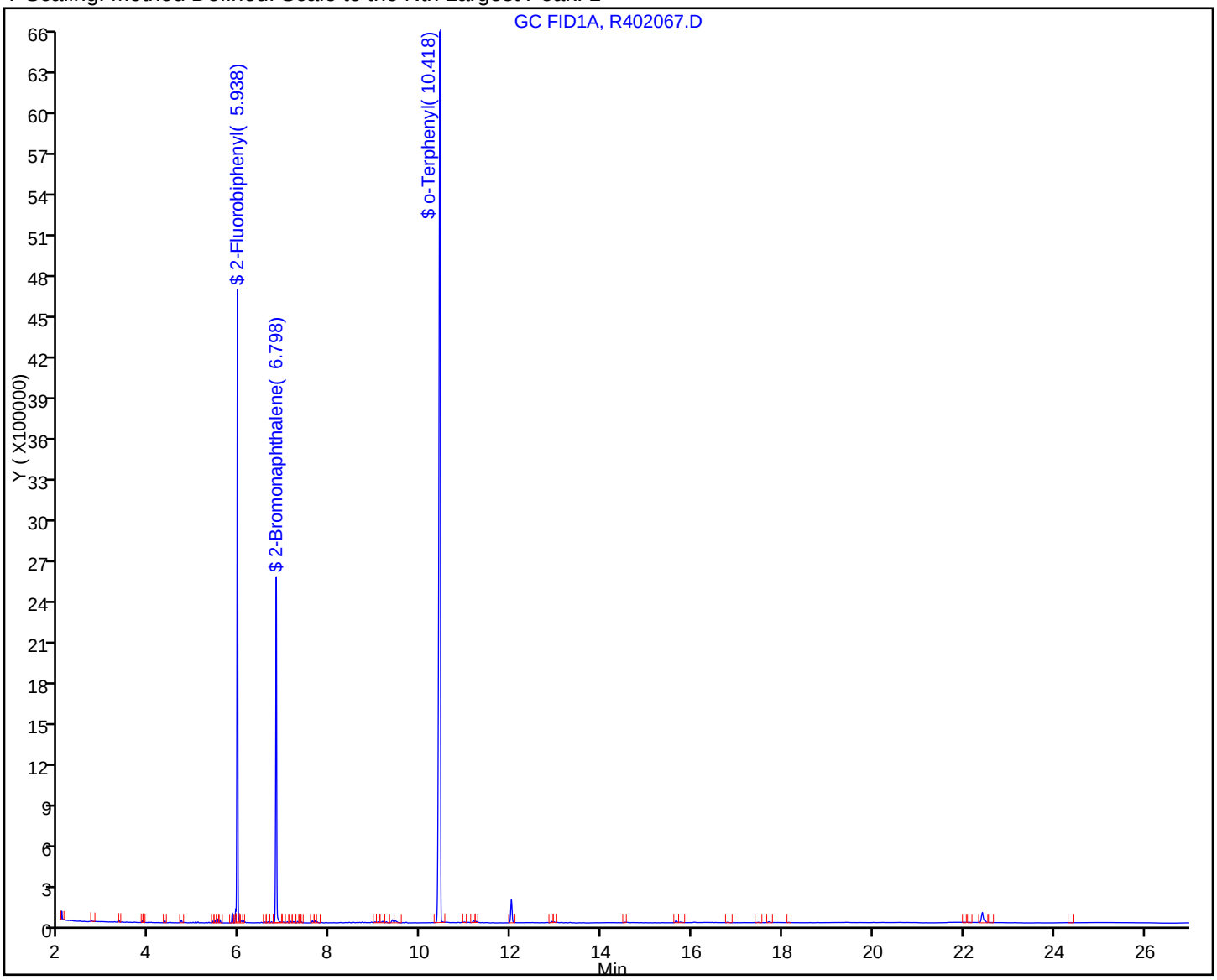
Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:31:03 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402067.D

Injection Date:	13-Dec-2011 18:17:16	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW25-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	9
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW25-120111 Lab Sample ID: 360-37900-3

Matrix: Water Lab File ID: R402067.D

Analysis Method: MA-EPH-LL Date Collected: 12/01/2011 12:20

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1025(mL) Date Analyzed: 12/13/2011 18:17

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		98	98
STL00087	C19-C36 Aliphatics	ND		98	98
STL00306	C9-C18 Aliphatics	ND		98	98
STL00362	Total EPH	ND		98	98

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	78		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402067.D		
Lims ID:	360-37900-B-3-A	Client ID:	BC-GW-MW25-120111
Inject. Date:	13-Dec-2011 18:17:16	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-B-3-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	84720	Lims Sample ID:	9
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:02

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.944	-0.006	5755362	40.5	
$ 2 2-Bromonaphthalene						
1	6.798	6.805	-0.007	3825242	40.6	
$ 3 o-Terphenyl						
1	10.418	10.414	0.004	14893105	83.3	
$ 4 1-Chlorooctadecane						
2	13.988	13.979	0.009	12006776	78.3	
A 40 C11-C22 Aromatics						
1	12.800	4.599 -	21.002	3539124	22.7	
A 41 C19-C36 Aliphatics						
2	18.552	11.323	-25.780	3423052	16.5	
S 43 Total EPH						
2					39.2	
S 42 C11-C22 Aromatics (Adjusted)						
2					22.7	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

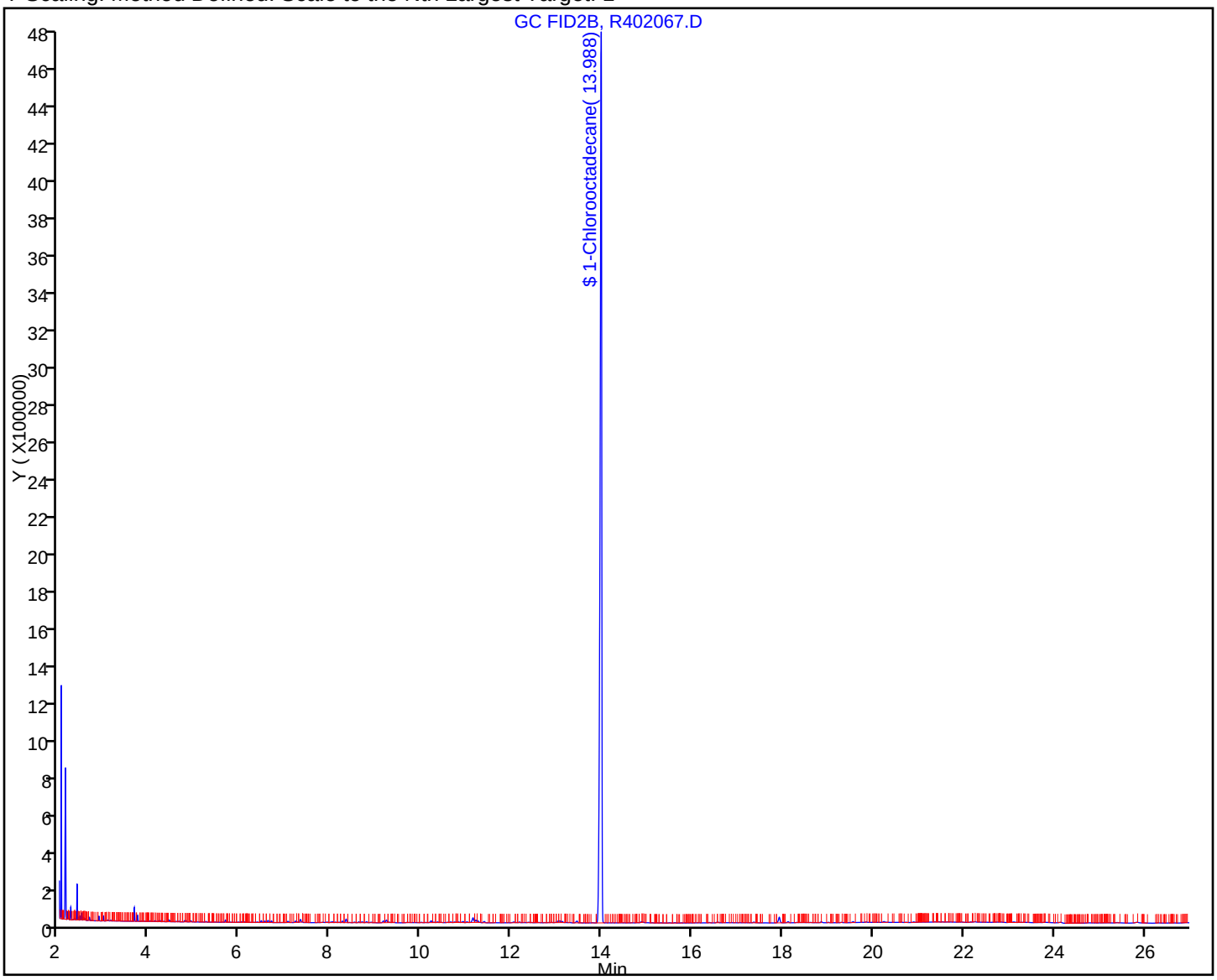
Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:31:03 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402067.D

Injection Date:	13-Dec-2011 18:17:16	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW25-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	9
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 | Lab Sample ID: 360-37900-4

Matrix: Water | Lab File ID: R402069.D

Analysis Method: MA-EPH-LL | Date Collected: 12/01/2011 10:45

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1020(mL) | Date Analyzed: 12/13/2011 18:51

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.98	0.98
208-96-8	Acenaphthylene	ND		0.29	0.29
120-12-7	Anthracene	ND		0.98	0.98
56-55-3	Benzo[a]anthracene	ND		0.29	0.29
50-32-8	Benzo[a]pyrene	ND		0.20	0.20
205-99-2	Benzo[b]fluoranthene	ND		0.29	0.29
191-24-2	Benzo[g,h,i]perylene	ND		0.49	0.49
207-08-9	Benzo[k]fluoranthene	ND		0.29	0.29
218-01-9	Chrysene	ND		0.98	0.98
53-70-3	Dibenz(a,h)anthracene	ND		0.44	0.44
206-44-0	Fluoranthene	ND		0.98	0.98
86-73-7	Fluorene	ND		0.98	0.98
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.44	0.44
91-57-6	2-Methylnaphthalene	ND		0.98	0.98
91-20-3	Naphthalene	1.8		0.98	0.98
85-01-8	Phenanthrene	ND		0.20	0.20
129-00-0	Pyrene	ND		0.98	0.98
STL00058	C11-C22 Aromatics	ND		98	98

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	79		40-140
321-60-8	2-Fluorobiphenyl	78		40-140
84-15-1	o-Terphenyl	79		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402069.D		
Lims ID:	360-37900-A-4-A	Client ID:	BC-GW-MW06-120111
Inject. Date:	13-Dec-2011 18:51:40	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-A-4-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	84720	Lims Sample ID:	10
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:09

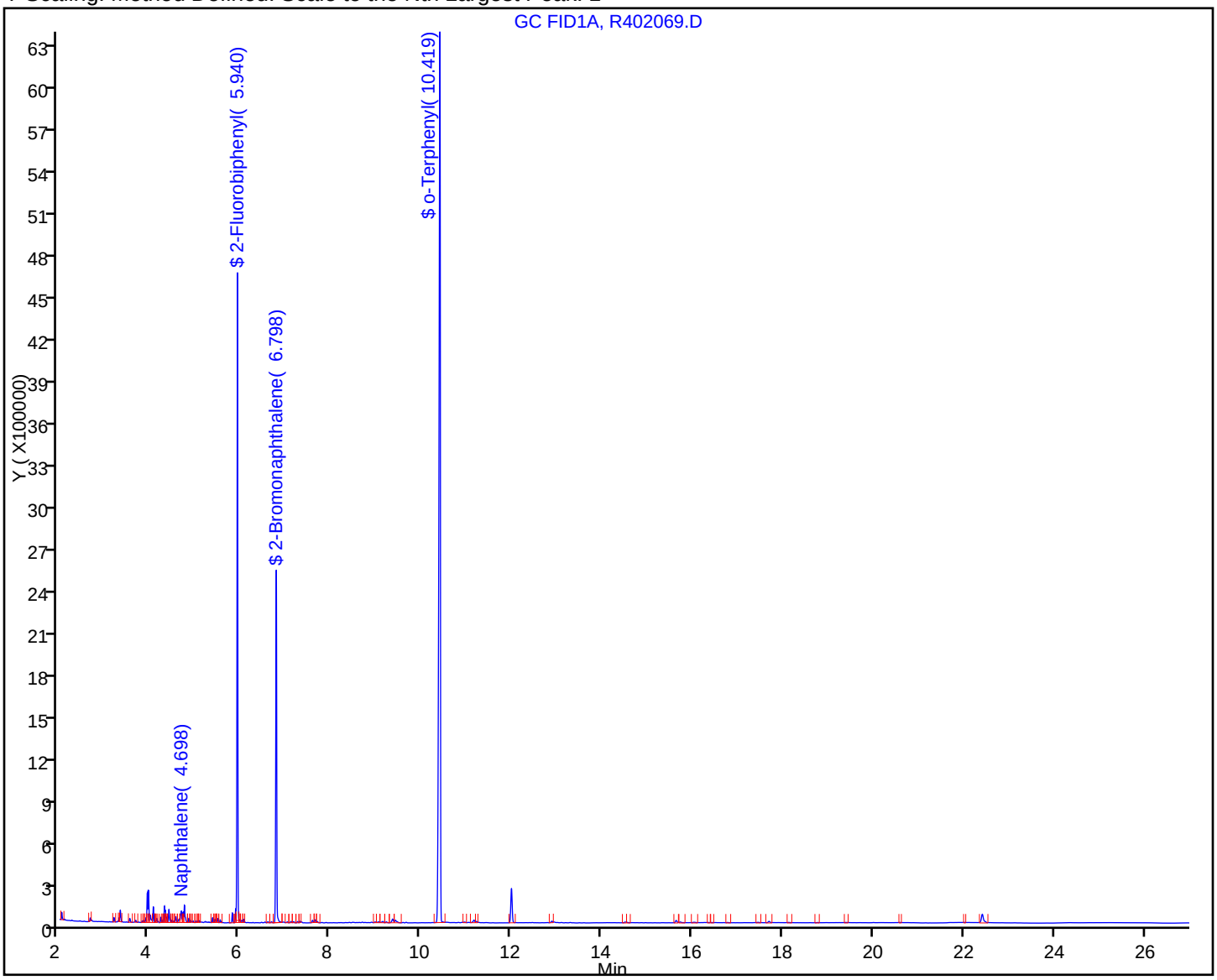
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.940	5.944	-0.004	5560068	39.1	
$ 2 2-Bromonaphthalene						
1	6.798	6.805	-0.007	3733749	39.7	
$ 3 o-Terphenyl						
1	10.419	10.414	0.005	14036678	78.5	
$ 4 1-Chlorooctadecane						
2	13.989	13.979	0.010	11735448	76.5	
6 n-Decane						
2	4.148	4.116	0.032	243217	1.22	
7 Naphthalene						
1	4.698	4.699	-0.001	159372	0.9000	
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		9953966	14.2	
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		4325222	27.7	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		4547015	21.9	
S 43 Total EPH						
2					62.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					26.8	
S 44 EPH Adjustment 1						
1					0.9000	

Report Date: 14-Dec-2011 11:31:09 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402069.D

Injection Date:	13-Dec-2011 18:51:40	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW06-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	10
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 Lab Sample ID: 360-37900-4

Matrix: Water Lab File ID: R402069.D

Analysis Method: MA-EPH-LL Date Collected: 12/01/2011 10:45

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1020(mL) Date Analyzed: 12/13/2011 18:51

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		98	98
STL00087	C19-C36 Aliphatics	ND		98	98
STL00306	C9-C18 Aliphatics	ND		98	98
STL00362	Total EPH	ND		98	98

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	77		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402069.D		
Lims ID:	360-37900-A-4-A	Client ID:	BC-GW-MW06-120111
Inject. Date:	13-Dec-2011 18:51:40	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-A-4-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	84720	Lims Sample ID:	10
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:09

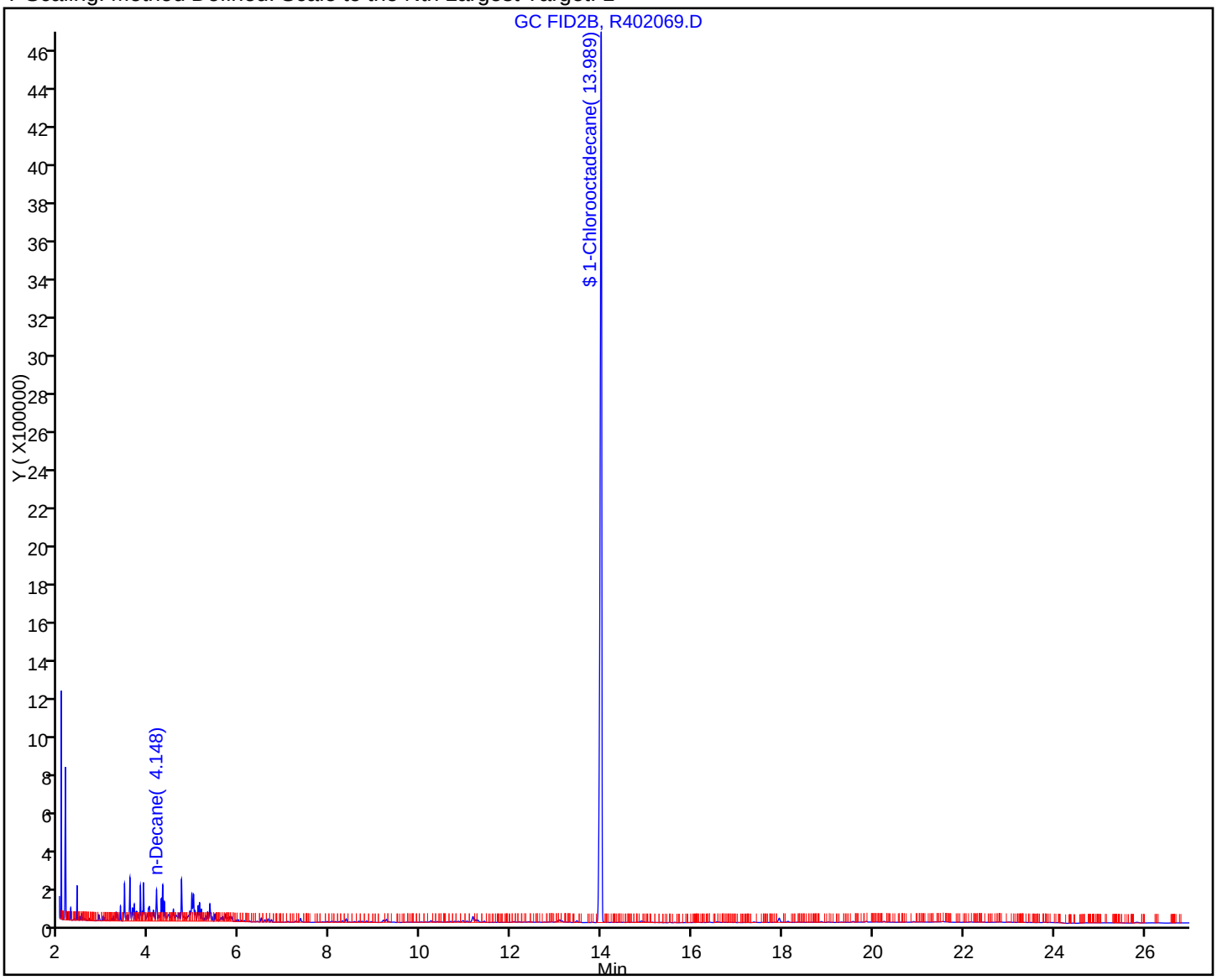
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.940	5.944	-0.004	5560068	39.1	
$ 2 2-Bromonaphthalene						
1	6.798	6.805	-0.007	3733749	39.7	
$ 3 o-Terphenyl						
1	10.419	10.414	0.005	14036678	78.5	
$ 4 1-Chlorooctadecane						
2	13.989	13.979	0.010	11735448	76.5	
6 n-Decane						
2	4.148	4.116	0.032	243217	1.22	
7 Naphthalene						
1	4.698	4.699	-0.001	159372	0.9000	
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		9953966	14.2	
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		4325222	27.7	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		4547015	21.9	
S 43 Total EPH						
2					62.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					26.8	
S 44 EPH Adjustment 1						
1					0.9000	

Report Date: 14-Dec-2011 11:31:09 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402069.D

Injection Date:	13-Dec-2011 18:51:40	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW06-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	10
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW301-120111 | Lab Sample ID: 360-37900-5

Matrix: Water | Lab File ID: R402075.D

Analysis Method: MA-EPH-LL | Date Collected: 12/01/2011 12:15

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1010(mL) | Date Analyzed: 12/13/2011 20:33

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.99	0.99
208-96-8	Acenaphthylene	ND		0.30	0.30
120-12-7	Anthracene	ND		0.99	0.99
56-55-3	Benzo[a]anthracene	ND		0.30	0.30
50-32-8	Benzo[a]pyrene	ND		0.20	0.20
205-99-2	Benzo[b]fluoranthene	ND		0.30	0.30
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.50
207-08-9	Benzo[k]fluoranthene	ND		0.30	0.30
218-01-9	Chrysene	ND		0.99	0.99
53-70-3	Dibenz(a,h)anthracene	ND		0.45	0.45
206-44-0	Fluoranthene	ND		0.99	0.99
86-73-7	Fluorene	ND		0.99	0.99
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.45	0.45
91-57-6	2-Methylnaphthalene	ND		0.99	0.99
91-20-3	Naphthalene	ND		0.99	0.99
85-01-8	Phenanthrene	ND		0.20	0.20
129-00-0	Pyrene	ND		0.99	0.99
STL00058	C11-C22 Aromatics	ND		99	99

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	81		40-140
321-60-8	2-Fluorobiphenyl	81		40-140
84-15-1	o-Terphenyl	89		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402075.D		
Lims ID:	360-37900-A-5-A	Client ID:	BC-GW-MW301-120111
Inject. Date:	13-Dec-2011 20:33:47	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-A-5-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	26
Lims Batch ID:	84720	Lims Sample ID:	13
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:28

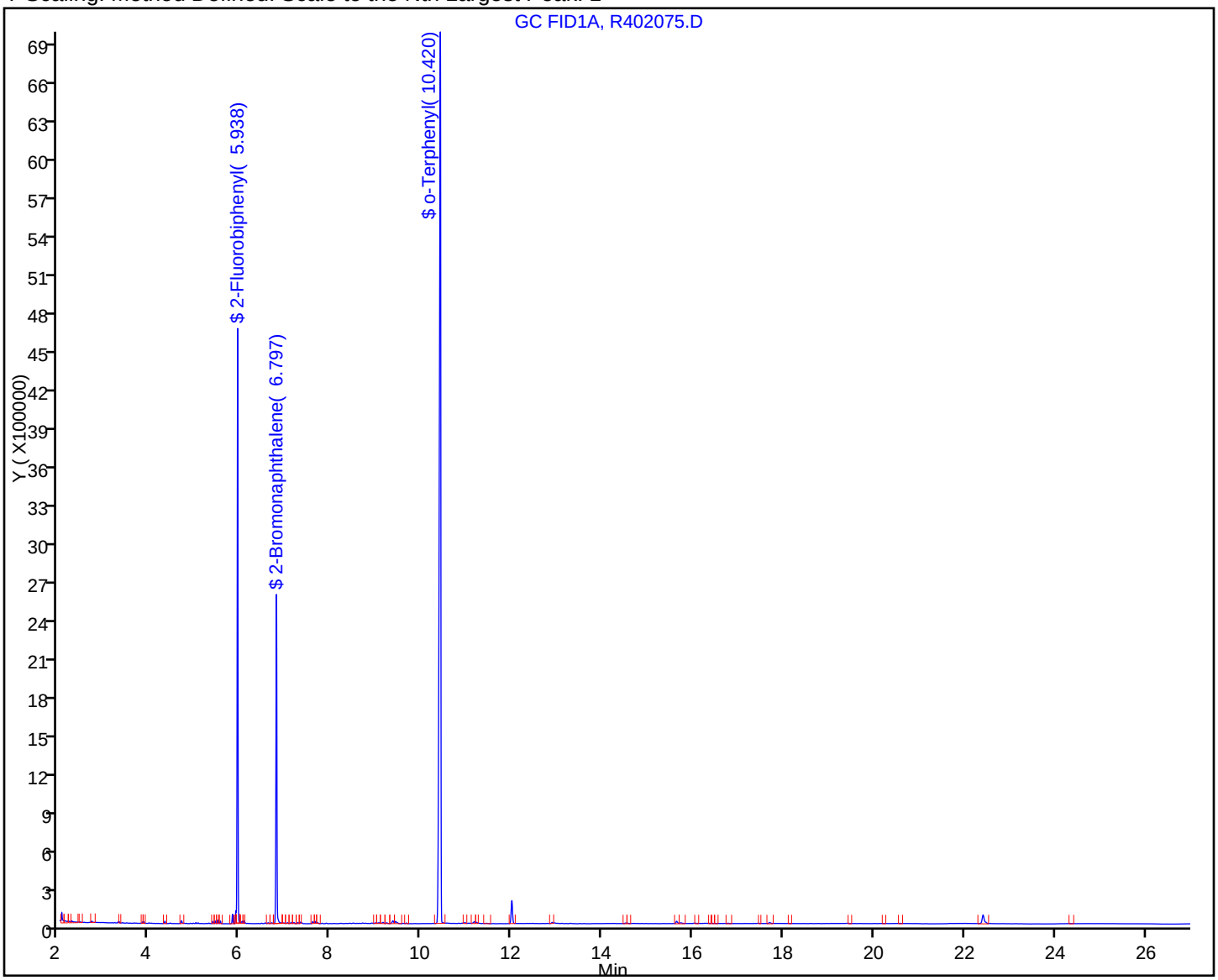
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.944	-0.006	5757440	40.5	
$ 2 2-Bromonaphthalene						
1	6.797	6.805	-0.008	3792072	40.3	
$ 3 o-Terphenyl						
1	10.420	10.414	0.006	15857947	88.7	
$ 4 1-Chlorooctadecane						
2	13.992	13.979	0.013	14228695	92.8	
A 40 C11-C22 Aromatics						
1	12.800	4.599 -	21.002	3218155	20.6	
A 41 C19-C36 Aliphatics						
2	18.552	11.323	-25.780	5020018	24.2	
S 43 Total EPH						
2					44.8	
S 42 C11-C22 Aromatics (Adjusted)						
2					20.6	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:31:28 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402075.D
Injection Date: 13-Dec-2011 20:33:47 Limit Group: GC MA EPH LL
Client ID: BC-GW-MW301-120111 Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 13
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW301-120111 | Lab Sample ID: 360-37900-5

Matrix: Water | Lab File ID: R402075.D

Analysis Method: MA-EPH-LL | Date Collected: 12/01/2011 12:15

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1010(mL) | Date Analyzed: 12/13/2011 20:33

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		99	99
STL00087	C19-C36 Aliphatics	ND		99	99
STL00306	C9-C18 Aliphatics	ND		99	99
STL00362	Total EPH	ND		99	99

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	93		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402075.D		
Lims ID:	360-37900-A-5-A	Client ID:	BC-GW-MW301-120111
Inject. Date:	13-Dec-2011 20:33:47	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-A-5-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	26
Lims Batch ID:	84720	Lims Sample ID:	13
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:28

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.944	-0.006	5757440	40.5	
$ 2 2-Bromonaphthalene						
1	6.797	6.805	-0.008	3792072	40.3	
$ 3 o-Terphenyl						
1	10.420	10.414	0.006	15857947	88.7	
$ 4 1-Chlorooctadecane						
2	13.992	13.979	0.013	14228695	92.8	
A 40 C11-C22 Aromatics						
1	12.800	4.599 -	21.002	3218155	20.6	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 -	25.780	5020018	24.2	
S 43 Total EPH						
2					44.8	
S 42 C11-C22 Aromatics (Adjusted)						
2					20.6	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

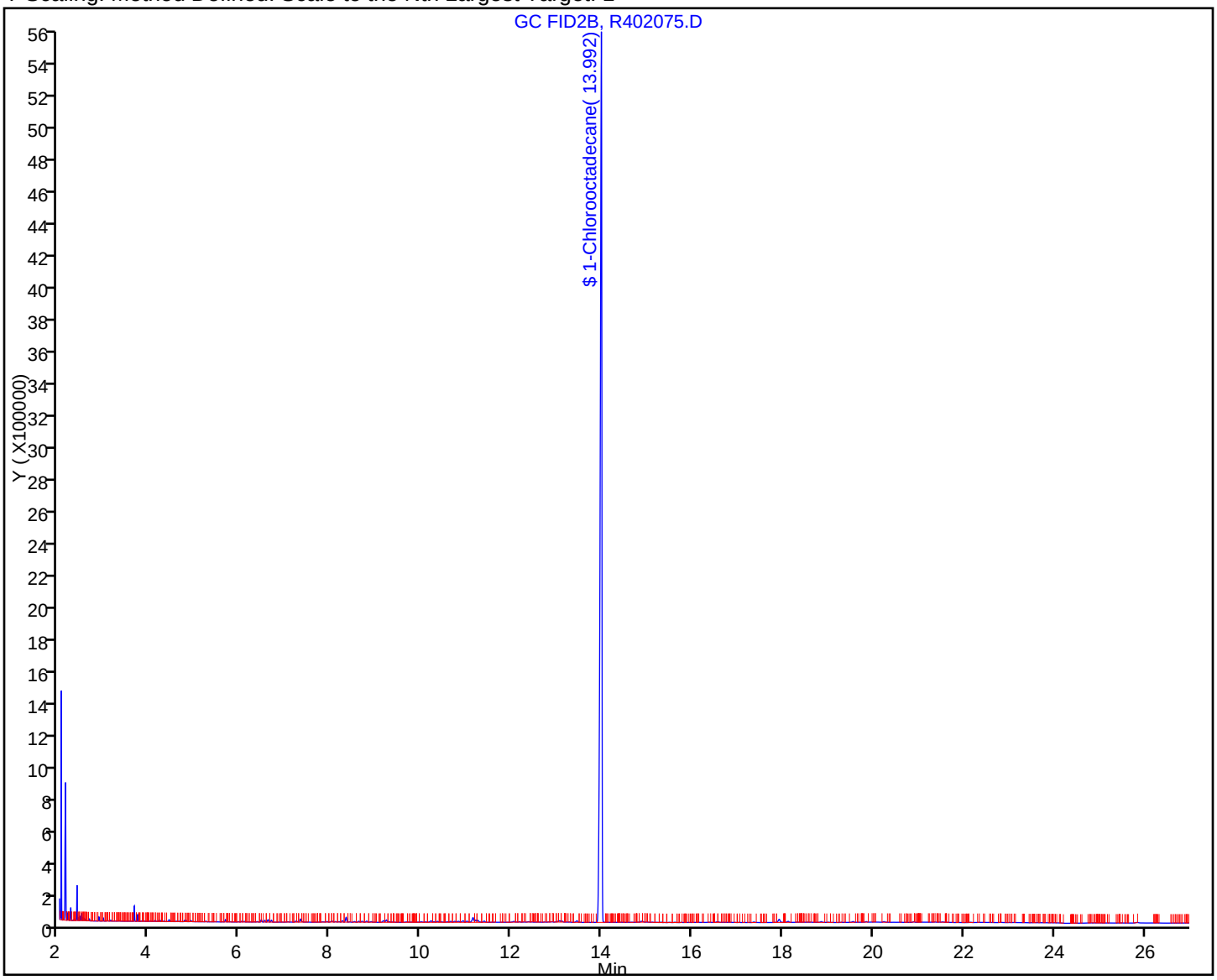
Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:31:29 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402075.D

Injection Date:	13-Dec-2011 20:33:47	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW301-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	13
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW200A-120111 | Lab Sample ID: 360-37900-6

Matrix: Water | Lab File ID: R402077.D

Analysis Method: MA-EPH-LL | Date Collected: 12/01/2011 08:45

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1040(mL) | Date Analyzed: 12/13/2011 21:08

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.96	0.96
208-96-8	Acenaphthylene	ND		0.29	0.29
120-12-7	Anthracene	ND		0.96	0.96
56-55-3	Benzo[a]anthracene	ND		0.29	0.29
50-32-8	Benzo[a]pyrene	ND		0.19	0.19
205-99-2	Benzo[b]fluoranthene	ND		0.29	0.29
191-24-2	Benzo[g,h,i]perylene	ND		0.48	0.48
207-08-9	Benzo[k]fluoranthene	ND		0.29	0.29
218-01-9	Chrysene	ND		0.96	0.96
53-70-3	Dibenz(a,h)anthracene	ND		0.43	0.43
206-44-0	Fluoranthene	ND		0.96	0.96
86-73-7	Fluorene	ND		0.96	0.96
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.43	0.43
91-57-6	2-Methylnaphthalene	ND		0.96	0.96
91-20-3	Naphthalene	ND		0.96	0.96
85-01-8	Phenanthrene	ND		0.19	0.19
129-00-0	Pyrene	ND		0.96	0.96
STL00058	C11-C22 Aromatics	ND		96	96

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	83		40-140
321-60-8	2-Fluorobiphenyl	82		40-140
84-15-1	o-Terphenyl	89		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402077.D		
Lims ID:	360-37900-B-6-A	Client ID:	BC-GW-MW200A-120111
Inject. Date:	13-Dec-2011 21:08:01	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-B-6-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	28
Lims Batch ID:	84720	Lims Sample ID:	14
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.944	-0.006	5848222	41.1	
$ 2 2-Bromonaphthalene						
1	6.798	6.805	-0.007	3907424	41.5	
$ 3 o-Terphenyl						
1	10.420	10.414	0.006	15818705	88.5	
$ 4 1-Chlorooctadecane						
2	13.990	13.979	0.011	13753883	89.7	
A 40 C11-C22 Aromatics						
1	12.800	4.599	- 21.002	3414317	21.9	
A 41 C19-C36 Aliphatics						
2	18.552	11.323	-25.780	5026570	24.2	
S 43 Total EPH						
2					46.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					21.9	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

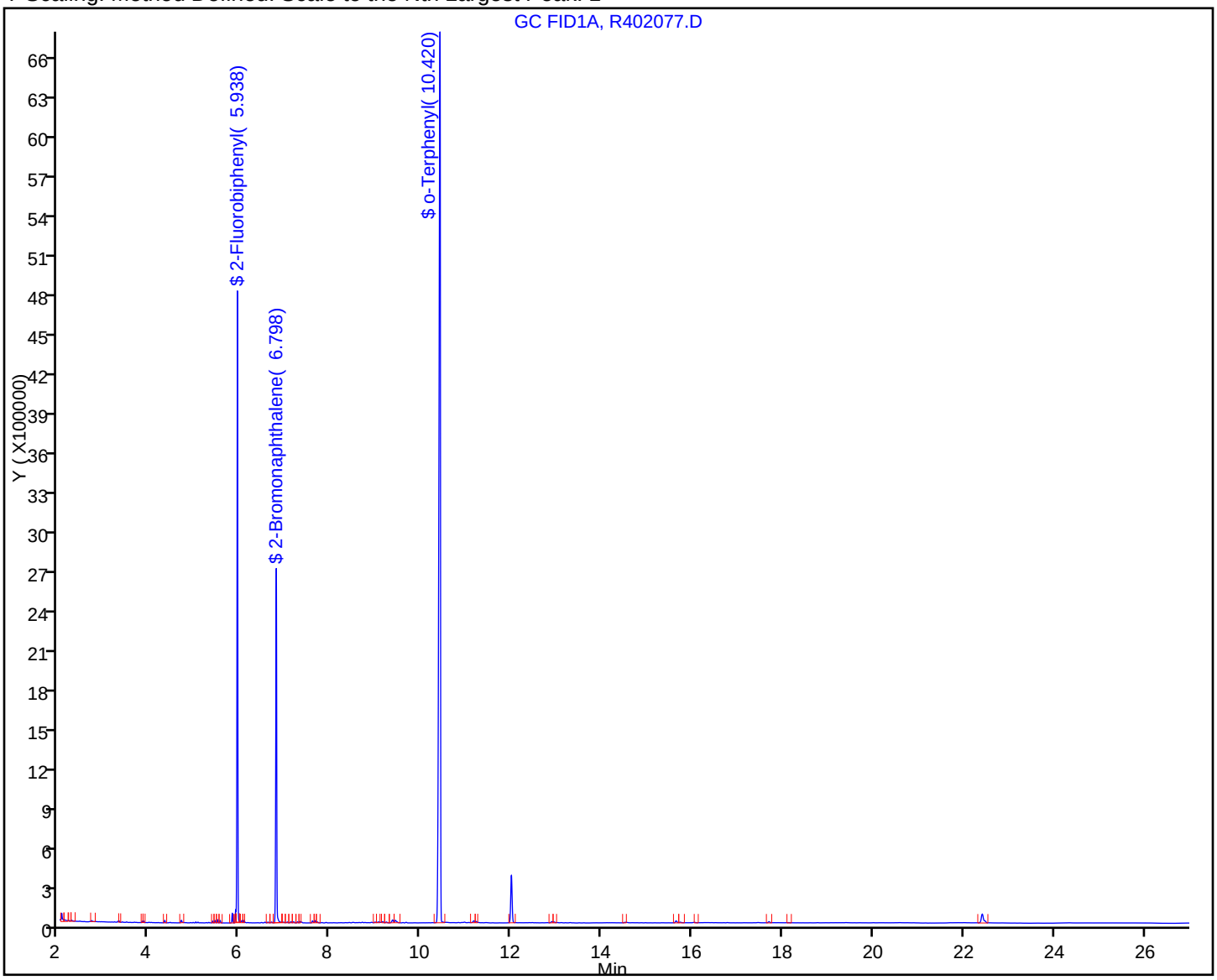
Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:31:33 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402077.D

Injection Date:	13-Dec-2011 21:08:01	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW200A-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	14
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW200A-120111 Lab Sample ID: 360-37900-6

Matrix: Water Lab File ID: R402077.D

Analysis Method: MA-EPH-LL Date Collected: 12/01/2011 08:45

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1040(mL) Date Analyzed: 12/13/2011 21:08

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		96	96
STL00087	C19-C36 Aliphatics	ND		96	96
STL00306	C9-C18 Aliphatics	ND		96	96
STL00362	Total EPH	ND		96	96

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	90		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402077.D		
Lims ID:	360-37900-B-6-A	Client ID:	BC-GW-MW200A-120111
Inject. Date:	13-Dec-2011 21:08:01	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-B-6-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	28
Lims Batch ID:	84720	Lims Sample ID:	14
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.944	-0.006	5848222	41.1	
$ 2 2-Bromonaphthalene						
1	6.798	6.805	-0.007	3907424	41.5	
$ 3 o-Terphenyl						
1	10.420	10.414	0.006	15818705	88.5	
$ 4 1-Chlorooctadecane						
2	13.990	13.979	0.011	13753883	89.7	
A 40 C11-C22 Aromatics						
1	12.800	4.599	- 21.002	3414317	21.9	
A 41 C19-C36 Aliphatics						
2	18.552	11.323	-25.780	5026570	24.2	
S 43 Total EPH						
2					46.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					21.9	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

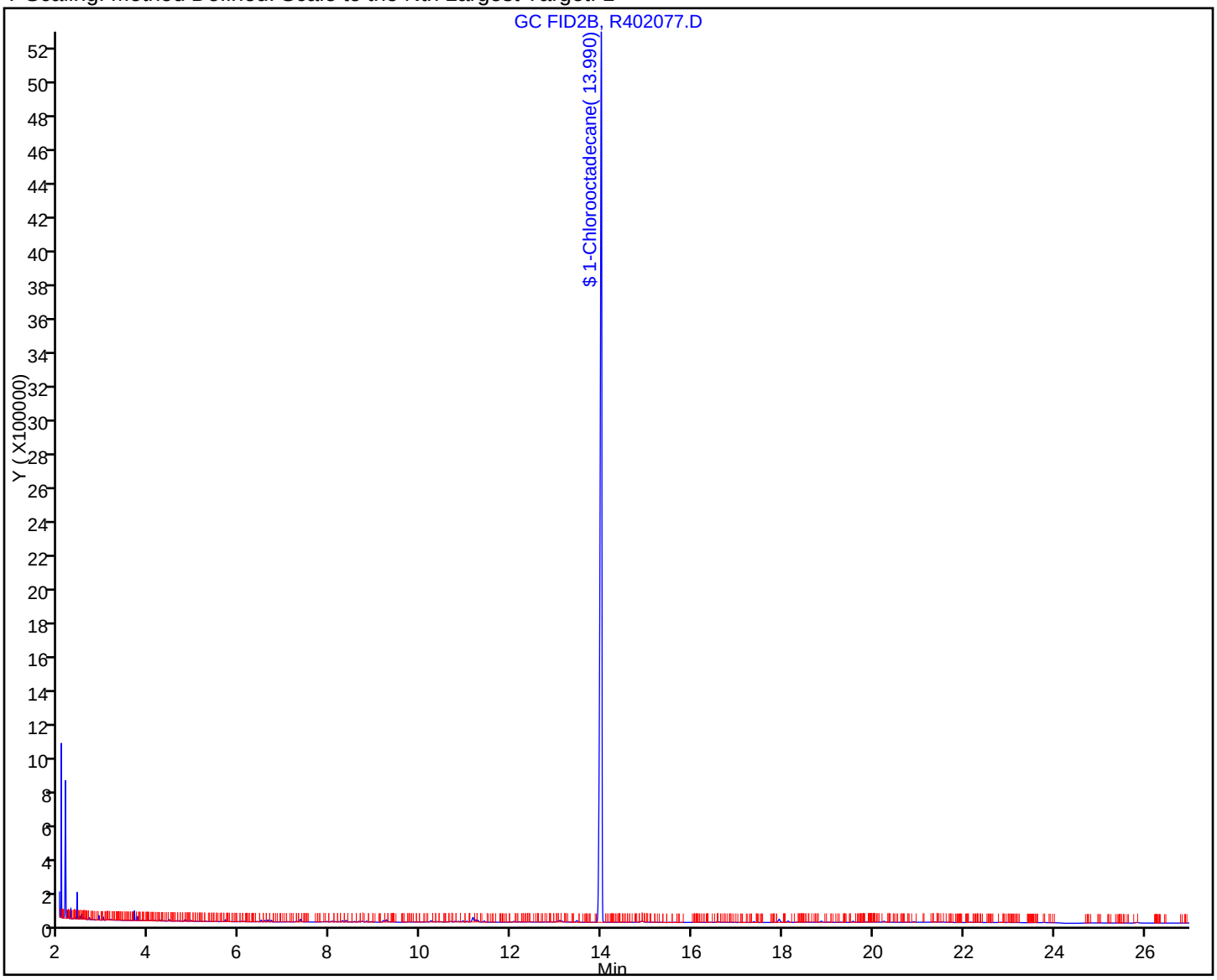
Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:31:33 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402077.D

Injection Date:	13-Dec-2011 21:08:01	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW200A-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	14
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW302-120111 | Lab Sample ID: 360-37900-7

Matrix: Water | Lab File ID: R402079.D

Analysis Method: MA-EPH-LL | Date Collected: 12/01/2011 10:31

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1015(mL) | Date Analyzed: 12/13/2011 21:41

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.99	0.99
208-96-8	Acenaphthylene	ND		0.30	0.30
120-12-7	Anthracene	ND		0.99	0.99
56-55-3	Benzo[a]anthracene	ND		0.30	0.30
50-32-8	Benzo[a]pyrene	ND		0.20	0.20
205-99-2	Benzo[b]fluoranthene	ND		0.30	0.30
191-24-2	Benzo[g,h,i]perylene	ND		0.49	0.49
207-08-9	Benzo[k]fluoranthene	ND		0.30	0.30
218-01-9	Chrysene	ND		0.99	0.99
53-70-3	Dibenz(a,h)anthracene	ND		0.44	0.44
206-44-0	Fluoranthene	ND		0.99	0.99
86-73-7	Fluorene	ND		0.99	0.99
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.44	0.44
91-57-6	2-Methylnaphthalene	ND		0.99	0.99
91-20-3	Naphthalene	ND		0.99	0.99
85-01-8	Phenanthrene	ND		0.20	0.20
129-00-0	Pyrene	ND		0.99	0.99
STL00058	C11-C22 Aromatics	ND		99	99

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	84		40-140
321-60-8	2-Fluorobiphenyl	84		40-140
84-15-1	o-Terphenyl	80		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402079.D		
Lims ID:	360-37900-B-7-A	Client ID:	BC-GW-MW302-120111
Inject. Date:	13-Dec-2011 21:41:52	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-B-7-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	30
Lims Batch ID:	84720	Lims Sample ID:	15
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:36

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.944	-0.007	5968548	42.0	
$ 2 2-Bromonaphthalene						
1	6.796	6.805	-0.009	3958131	42.0	
$ 3 o-Terphenyl						
1	10.417	10.414	0.003	14232425	79.6	
$ 4 1-Chlorooctadecane						
2	13.986	13.979	0.007	11985319	78.2	
A 40 C11-C22 Aromatics						
1	12.800	4.599	- 21.002	3598763	23.1	
A 41 C19-C36 Aliphatics						
2	18.552	11.323	-25.780	5452779	26.2	
S 43 Total EPH						
2					49.3	
S 42 C11-C22 Aromatics (Adjusted)						
2					23.1	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

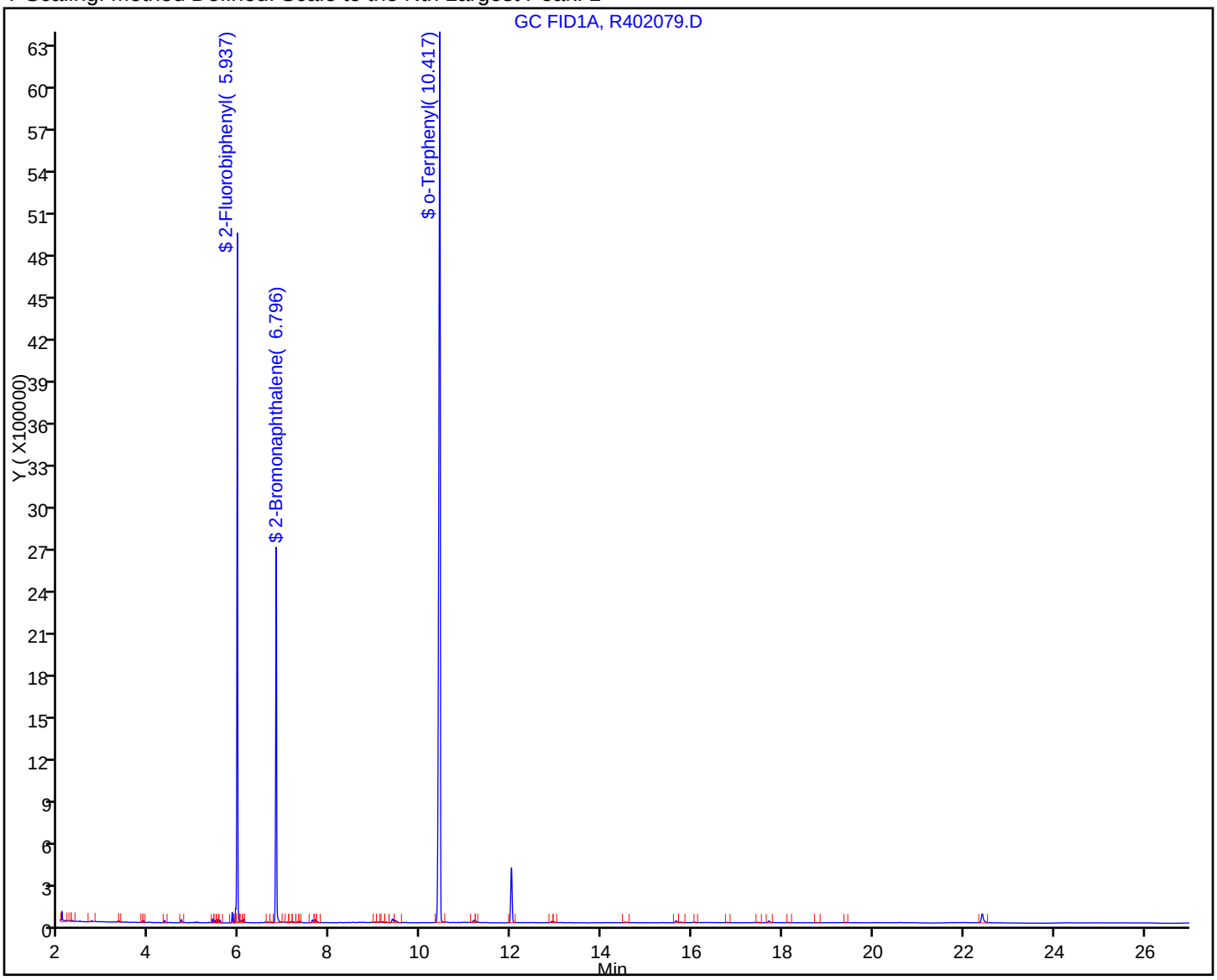
Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:31:37 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402079.D

Injection Date:	13-Dec-2011 21:41:52	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW302-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	15
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW302-120111 Lab Sample ID: 360-37900-7

Matrix: Water Lab File ID: R402079.D

Analysis Method: MA-EPH-LL Date Collected: 12/01/2011 10:31

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1015(mL) Date Analyzed: 12/13/2011 21:41

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		99	99
STL00087	C19-C36 Aliphatics	ND		99	99
STL00306	C9-C18 Aliphatics	ND		99	99
STL00362	Total EPH	ND		99	99

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	78		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402079.D		
Lims ID:	360-37900-B-7-A	Client ID:	BC-GW-MW302-120111
Inject. Date:	13-Dec-2011 21:41:52	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-B-7-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	30
Lims Batch ID:	84720	Lims Sample ID:	15
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:36

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.944	-0.007	5968548	42.0	
$ 2 2-Bromonaphthalene						
1	6.796	6.805	-0.009	3958131	42.0	
$ 3 o-Terphenyl						
1	10.417	10.414	0.003	14232425	79.6	
$ 4 1-Chlorooctadecane						
2	13.986	13.979	0.007	11985319	78.2	
A 40 C11-C22 Aromatics						
1	12.800	4.599	- 21.002	3598763	23.1	
A 41 C19-C36 Aliphatics						
2	18.552	11.323	-25.780	5452779	26.2	
S 43 Total EPH						
2					49.3	
S 42 C11-C22 Aromatics (Adjusted)						
2					23.1	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

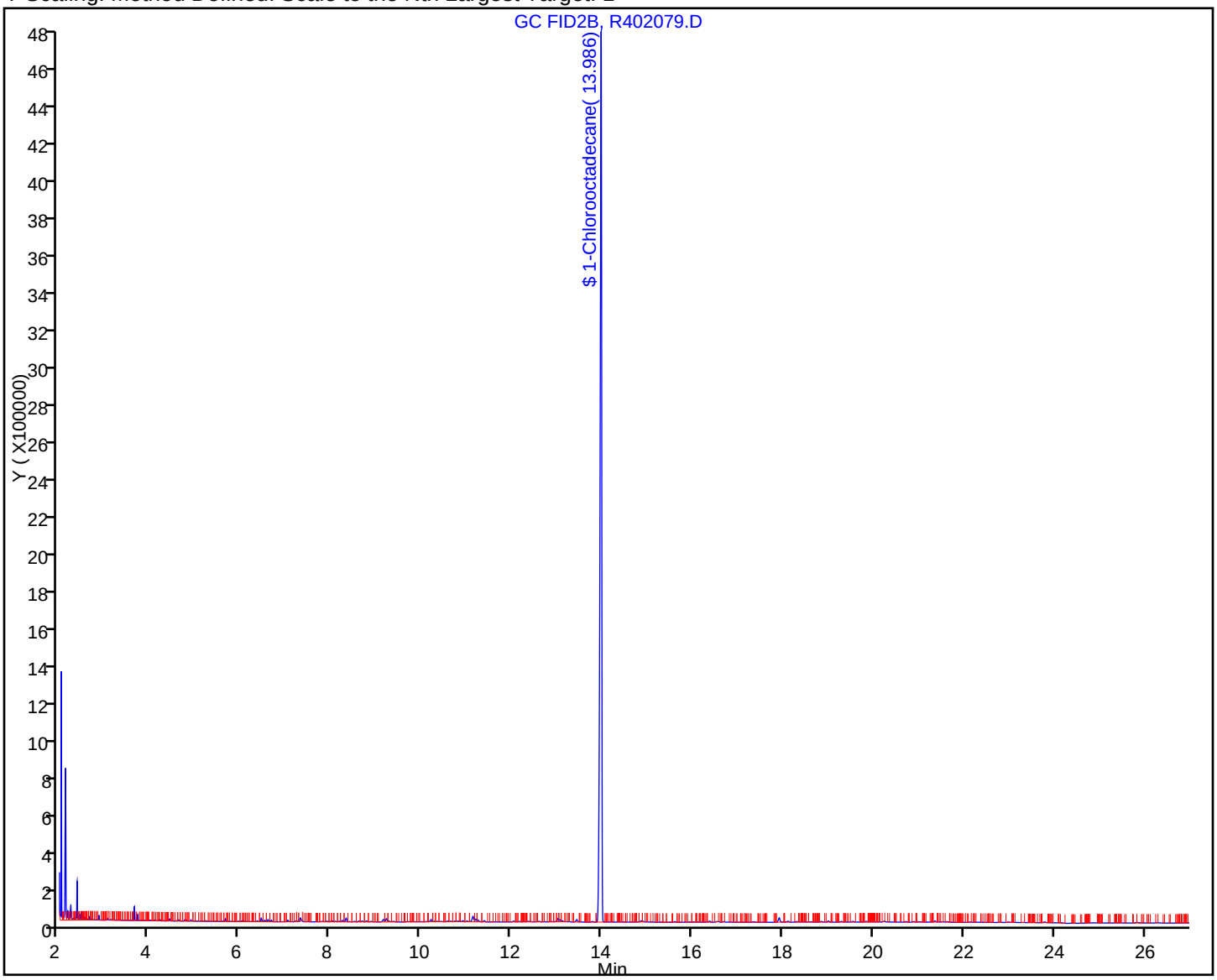
Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:31:37 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402079.D

Injection Date:	13-Dec-2011 21:41:52	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW302-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	15
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW304-120111 | Lab Sample ID: 360-37900-8

Matrix: Water | Lab File ID: R402081.D

Analysis Method: MA-EPH-LL | Date Collected: 12/01/2011 14:10

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 12/13/2011 22:16

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		1.0	1.0
208-96-8	Acenaphthylene	ND		0.30	0.30
120-12-7	Anthracene	ND		1.0	1.0
56-55-3	Benzo[a]anthracene	ND		0.30	0.30
50-32-8	Benzo[a]pyrene	ND		0.20	0.20
205-99-2	Benzo[b]fluoranthene	ND		0.30	0.30
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.50
207-08-9	Benzo[k]fluoranthene	ND		0.30	0.30
218-01-9	Chrysene	ND		1.0	1.0
53-70-3	Dibenz(a,h)anthracene	ND		0.45	0.45
206-44-0	Fluoranthene	ND		1.0	1.0
86-73-7	Fluorene	ND		1.0	1.0
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.45	0.45
91-57-6	2-Methylnaphthalene	ND		1.0	1.0
91-20-3	Naphthalene	ND		1.0	1.0
85-01-8	Phenanthrene	ND		0.20	0.20
129-00-0	Pyrene	ND		1.0	1.0
STL00058	C11-C22 Aromatics	ND		100	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	82		40-140
321-60-8	2-Fluorobiphenyl	82		40-140
84-15-1	o-Terphenyl	84		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402081.D		
Lims ID:	360-37900-B-8-A	Client ID:	BC-GW-MW304-120111
Inject. Date:	13-Dec-2011 22:16:11	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-B-8-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	32
Lims Batch ID:	84720	Lims Sample ID:	16
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:42

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.944	-0.006	5807016	40.8	
$ 2 2-Bromonaphthalene						
1	6.797	6.805	-0.008	3864263	41.0	
$ 3 o-Terphenyl						
1	10.419	10.414	0.005	15011640	84.0	
$ 4 1-Chlorooctadecane						
2	13.988	13.979	0.009	12854407	83.8	
A 40 C11-C22 Aromatics						
1	12.800	4.599 -	21.002	3258999	20.9	
A 41 C19-C36 Aliphatics						
2	18.552	11.323	-25.780	5030103	24.2	
S 43 Total EPH						
2					45.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					20.9	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

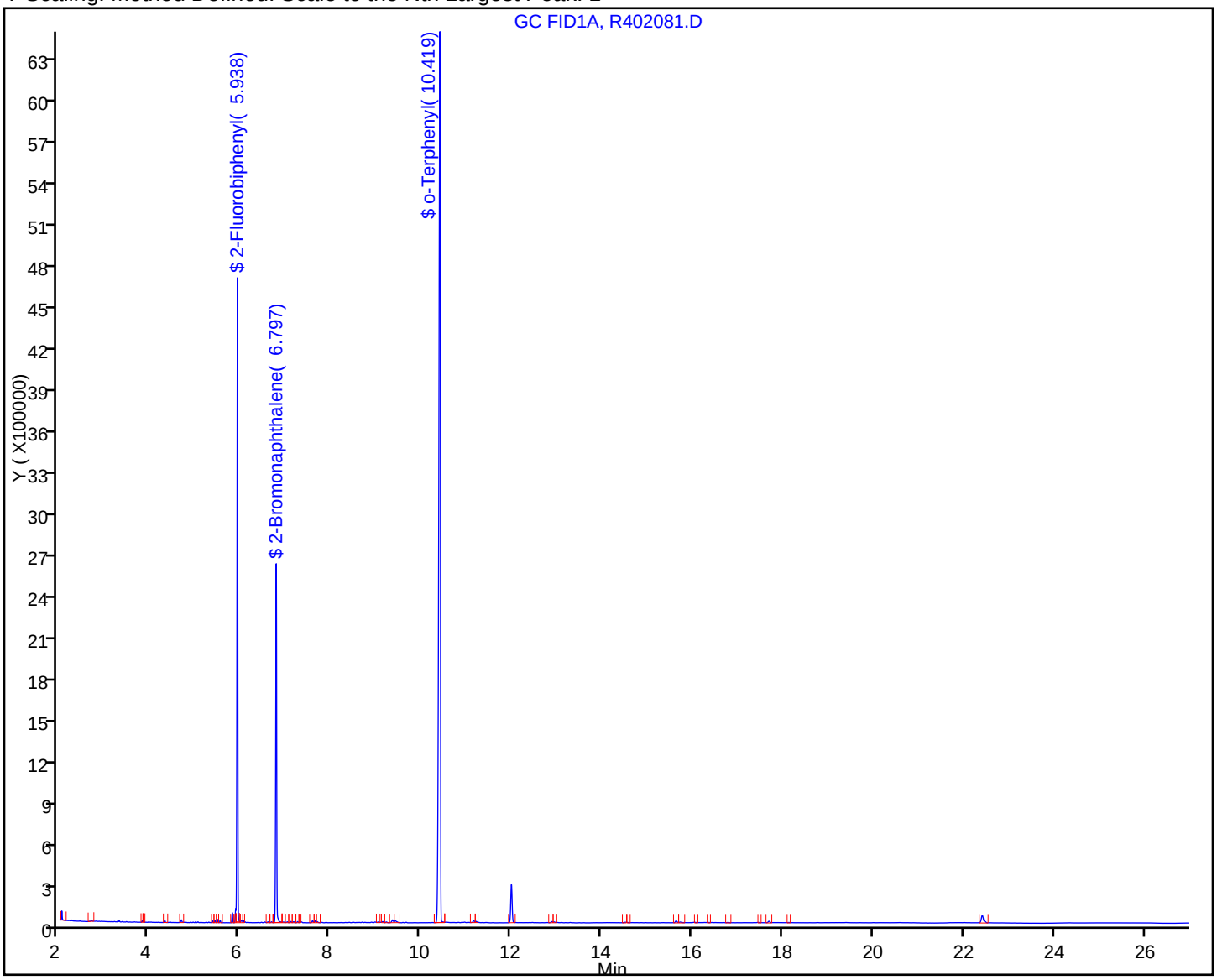
Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:31:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402081.D

Injection Date:	13-Dec-2011 22:16:11	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW304-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	16
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW304-120111 Lab Sample ID: 360-37900-8

Matrix: Water Lab File ID: R402081.D

Analysis Method: MA-EPH-LL Date Collected: 12/01/2011 14:10

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 12/13/2011 22:16

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		100	100
STL00087	C19-C36 Aliphatics	ND		100	100
STL00306	C9-C18 Aliphatics	ND		100	100
STL00362	Total EPH	ND		100	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	84		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402081.D		
Lims ID:	360-37900-B-8-A	Client ID:	BC-GW-MW304-120111
Inject. Date:	13-Dec-2011 22:16:11	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-B-8-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	32
Lims Batch ID:	84720	Lims Sample ID:	16
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:42

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.944	-0.006	5807016	40.8	
$ 2 2-Bromonaphthalene						
1	6.797	6.805	-0.008	3864263	41.0	
$ 3 o-Terphenyl						
1	10.419	10.414	0.005	15011640	84.0	
$ 4 1-Chlorooctadecane						
2	13.988	13.979	0.009	12854407	83.8	
A 40 C11-C22 Aromatics						
1	12.800	4.599 -	21.002	3258999	20.9	
A 41 C19-C36 Aliphatics						
2	18.552	11.323	-25.780	5030103	24.2	
S 43 Total EPH						
2					45.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					20.9	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

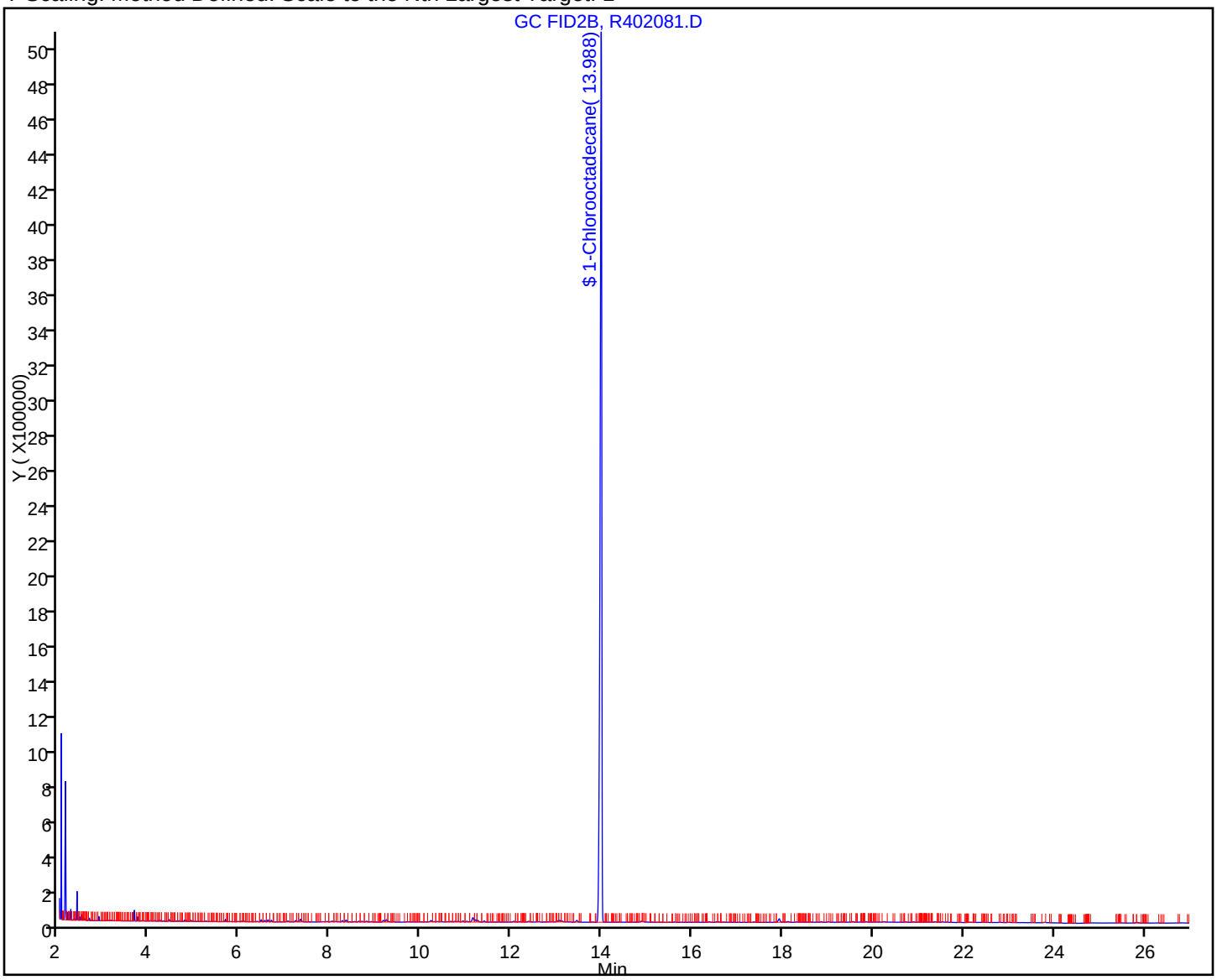
Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:31:43 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402081.D

Injection Date:	13-Dec-2011 22:16:11	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW304-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	16
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW305-120111 | Lab Sample ID: 360-37900-9

Matrix: Water | Lab File ID: R402083.D

Analysis Method: MA-EPH-LL | Date Collected: 12/01/2011 14:50

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1030(mL) | Date Analyzed: 12/13/2011 22:50

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.97	0.97
208-96-8	Acenaphthylene	ND		0.29	0.29
120-12-7	Anthracene	ND		0.97	0.97
56-55-3	Benzo[a]anthracene	ND		0.29	0.29
50-32-8	Benzo[a]pyrene	ND		0.19	0.19
205-99-2	Benzo[b]fluoranthene	ND		0.29	0.29
191-24-2	Benzo[g,h,i]perylene	ND		0.49	0.49
207-08-9	Benzo[k]fluoranthene	ND		0.29	0.29
218-01-9	Chrysene	ND		0.97	0.97
53-70-3	Dibenz(a,h)anthracene	ND		0.44	0.44
206-44-0	Fluoranthene	ND		0.97	0.97
86-73-7	Fluorene	ND		0.97	0.97
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.44	0.44
91-57-6	2-Methylnaphthalene	ND		0.97	0.97
91-20-3	Naphthalene	ND		0.97	0.97
85-01-8	Phenanthrene	ND		0.19	0.19
129-00-0	Pyrene	ND		0.97	0.97
STL00058	C11-C22 Aromatics	ND		97	97

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	80		40-140
321-60-8	2-Fluorobiphenyl	79		40-140
84-15-1	o-Terphenyl	83		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402083.D		
Lims ID:	360-37900-A-9-A	Client ID:	BC-GW-MW305-120111
Inject. Date:	13-Dec-2011 22:50:12	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-A-9-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	34
Lims Batch ID:	84720	Lims Sample ID:	17
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.944	-0.005	5643240	39.7	
$ 2 2-Bromonaphthalene						
1	6.799	6.805	-0.006	3784982	40.2	
$ 3 o-Terphenyl						
1	10.419	10.414	0.005	14923946	83.5	
$ 4 1-Chlorooctadecane						
2	13.988	13.979	0.009	12953537	84.5	
A 40 C11-C22 Aromatics						
1	12.800	4.599	- 21.002	3386263	21.7	
A 41 C19-C36 Aliphatics						
2	18.552	11.323	-25.780	5481050	26.4	
S 43 Total EPH						
2					48.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					21.7	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

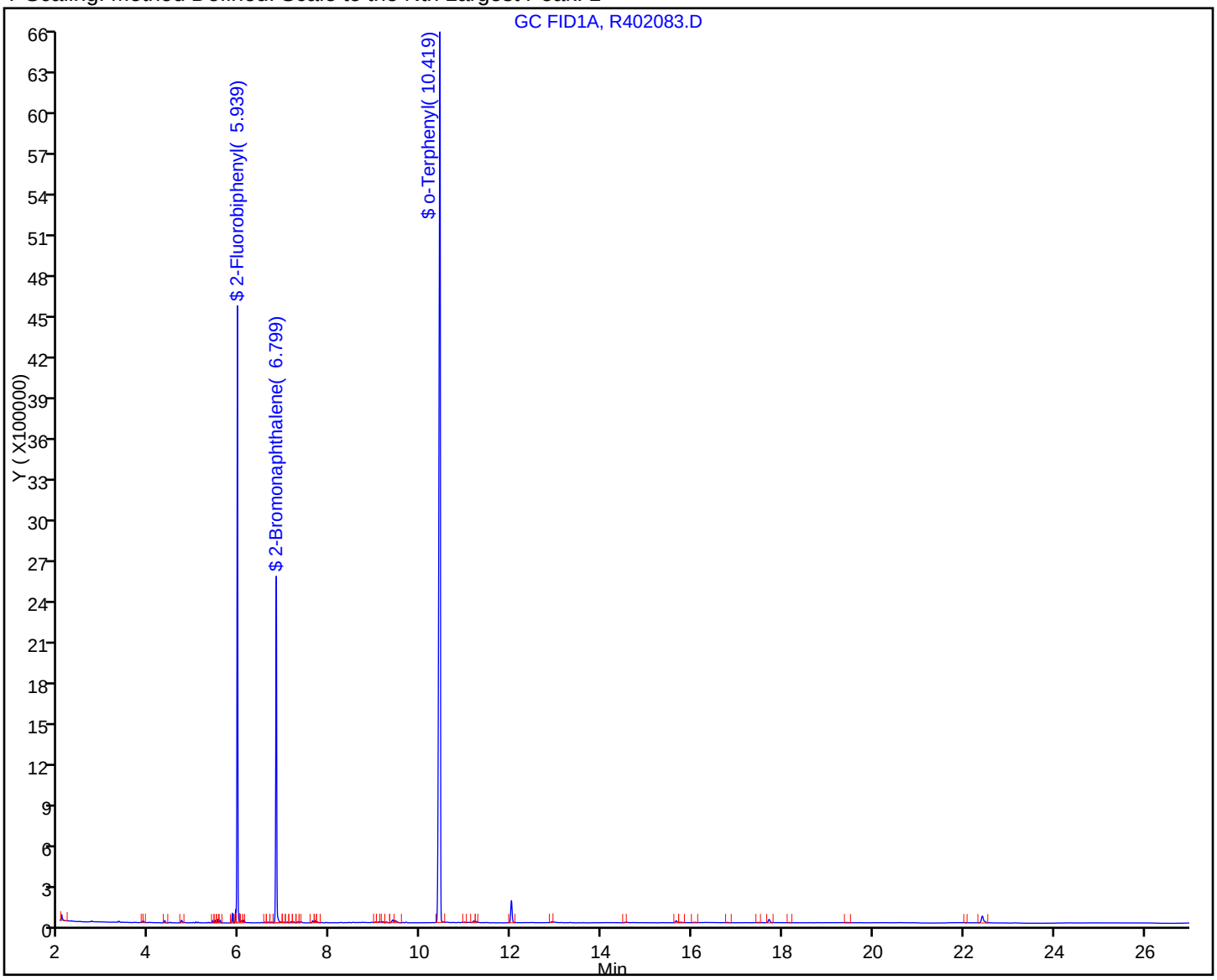
Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:31:47 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402083.D

Injection Date:	13-Dec-2011 22:50:12	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW305-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	17
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW305-120111 Lab Sample ID: 360-37900-9

Matrix: Water Lab File ID: R402083.D

Analysis Method: MA-EPH-LL Date Collected: 12/01/2011 14:50

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1030(mL) Date Analyzed: 12/13/2011 22:50

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		97	97
STL00087	C19-C36 Aliphatics	ND		97	97
STL00306	C9-C18 Aliphatics	ND		97	97
STL00362	Total EPH	ND		97	97

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	84		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402083.D		
Lims ID:	360-37900-A-9-A	Client ID:	BC-GW-MW305-120111
Inject. Date:	13-Dec-2011 22:50:12	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37900-A-9-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	34
Lims Batch ID:	84720	Lims Sample ID:	17
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.944	-0.005	5643240	39.7	
$ 2 2-Bromonaphthalene						
1	6.799	6.805	-0.006	3784982	40.2	
$ 3 o-Terphenyl						
1	10.419	10.414	0.005	14923946	83.5	
$ 4 1-Chlorooctadecane						
2	13.988	13.979	0.009	12953537	84.5	
A 40 C11-C22 Aromatics						
1	12.800	4.599 -	21.002	3386263	21.7	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 -	25.780	5481050	26.4	
S 43 Total EPH						
2					48.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					21.7	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

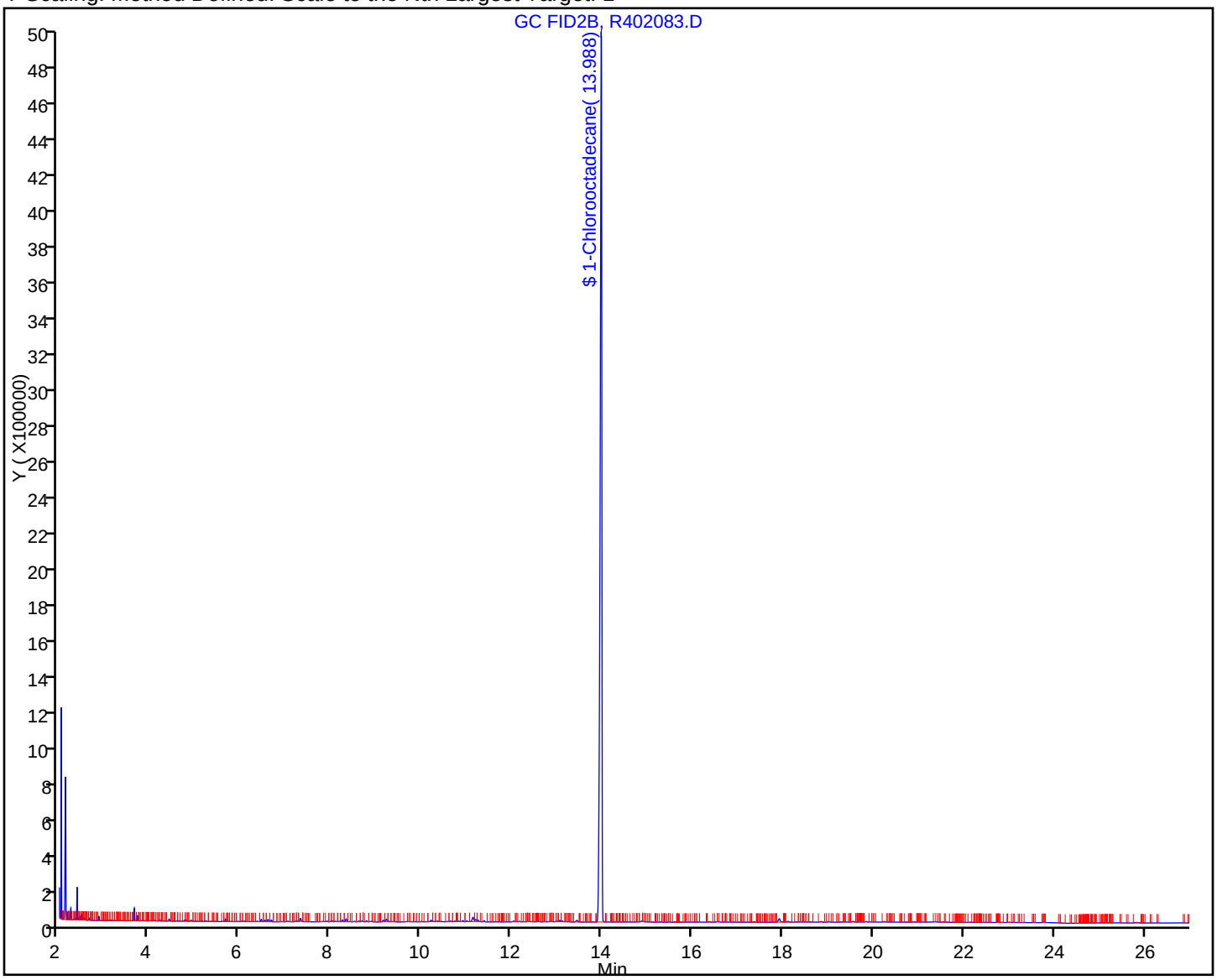
Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:31:47 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402083.D

Injection Date:	13-Dec-2011 22:50:12	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW305-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	17
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 82884

SDG No.: 360-37900

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16336

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82884/2	R400713.D
Level 2	STD05 360-82884/3	R400715.D
Level 3	STD1 360-82884/4	R400717.D
Level 4	STD5 360-82884/5	R400719.D
Level 5	STD10 360-82884/6	R400721.D
Level 6	STD25 360-82884/7	R400723.D
Level 7	STD50 360-82884/1	R400725.D
Level 8	STD100 360-82884/8	R400727.D
Level 9	STD200 360-82884/9	R400729.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8	LVL 9		RT WINDOW	AVG RT
Naphthalene	4.694	4.694	4.694	4.693	4.694	4.695	4.700	4.707	4.718		4.593 - 4.793	4.699
2-Methylnaphthalene	5.462	5.462	5.461	5.462	5.462	5.465	5.470	5.478	5.490		5.362 - 5.562	5.468
Acenaphthylene	6.604	6.605	6.604	6.606	6.606	6.611	6.618	6.630	6.646		6.506 - 6.706	6.614
Acenaphthene	6.881	6.882	6.881	6.882	6.885	6.889	6.897	6.913	6.934		6.782 - 6.982	6.894
Fluorene	7.695	7.693	7.693	7.693	7.695	7.702	7.711	7.727	7.746		7.593 - 7.793	7.706
Phenanthrene	9.440	9.439	9.438	9.440	9.443	9.450	9.462	9.481	9.505		9.340 - 9.540	9.455
Anthracene	9.531	9.527	9.526	9.527	9.530	9.539	9.554	9.577	9.607		9.427 - 9.627	9.546
Fluoranthene	11.927	11.928	11.926	11.930	11.934	11.943	11.957	11.980	12.010		11.830 - 12.030	11.948
Pyrene	12.388	12.389	12.386	12.390	12.392	12.402	12.420	12.443	12.480		12.290 - 12.490	12.410
C11-C22 Aromatics				12.793	12.727	12.727	12.771	12.727	12.727		4.593 - 20.861	12.745
Benzo[a]anthracene	15.116	15.114	15.113	15.112	15.120	15.131	15.147	15.174	15.204		15.012 - 15.212	15.137
Chrysene	15.203	15.204	15.198	15.202	15.207	15.224	15.245	15.278	15.322		15.102 - 15.302	15.231
Benzo[b]fluoranthene	17.434	17.430	17.426	17.427	17.439	17.452	17.472	17.499	17.556		17.327 - 17.527	17.459
Benzo[k]fluoranthene	17.473	17.479	17.476	17.477	17.487	17.507	17.534	17.574	17.629		17.377 - 17.577	17.515
Benzo[a]pyrene	18.044	18.044	18.041	18.042	18.049	18.068	18.090	18.131	18.175		17.942 - 18.142	18.076
Indeno[1,2,3-cd]pyrene	20.073	20.072	20.070	20.073	20.083	20.103	20.126	20.184			19.973 - 20.173	20.098
Dibenz(a,h)anthracene	20.141	20.145	20.140	20.145	20.147	20.167	20.196	20.237			20.045 - 20.245	20.165
Benzo[g,h,i]perylene	20.473	20.478	20.476	20.482	20.492	20.513	20.545	20.589	20.655		20.382 - 20.582	20.523
2-Fluorobiphenyl	5.938	5.938	5.936	5.937	5.938	5.939	5.944	5.952	5.963		5.837 - 6.037	5.943
2-Bromonaphthalene	6.797	6.795	6.794	6.795	6.795	6.799	6.805	6.817	6.832		6.695 - 6.895	6.803
o-Terphenyl	10.393	10.392	10.393	10.396	10.397	10.403	10.413	10.429	10.450		10.296 - 10.496	10.407

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 82884

SDG No.: 360-37900

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16336

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82884/2	R400713.D
Level 2	STD05 360-82884/3	R400715.D
Level 3	STD1 360-82884/4	R400717.D
Level 4	STD5 360-82884/5	R400719.D
Level 5	STD10 360-82884/6	R400721.D
Level 6	STD25 360-82884/7	R400723.D
Level 7	STD50 360-82884/1	R400725.D
Level 8	STD100 360-82884/8	R400727.D
Level 9	STD200 360-82884/9	R400729.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
Naphthalene	195320 178010 170096	192268 167988	174008 183379	154389 178245	Ave		177078.309				7.1		25.0			
2-Methylnaphthalene	180000 172361 164497	193712 162502	172711 177539	148988 172230	Ave		171615.598				7.3		25.0			
Acenaphthylene	248370 171571 162370	194922 161615	173931 175708	151274 169985	Ave		178860.637				16.0		25.0			
Acenaphthene	230430 173054 163217	194850 162229	182766 176407	152055 169417	Ave		178269.326				13.0		25.0			
Fluorene	189750 171048 160518	203972 160003	178603 174126	151092 167642	Ave		172972.642				9.4		25.0			
Phenanthrene	214890 162613 156584	172316 151994	160147 166131	142399 162113	Ave		165465.123				12.0		25.0			
Anthracene	320840 164641 150185	187396 150586	169140 163219	145949 159418	Lin1	16645.5480	154304.267							0.9990		0.9900
Fluoranthene	198500 154814 147628	167790 146598	153338 159441	136174 155415	Ave		157744.202				11.0		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 82884

SDG No.: 360-37900

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16336

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
Pyrene	204130 165507 154096	185812 155442	172200 167381	147244 162466	Ave		168253.133				10.0		25.0			
C11-C22 Aromatics	 165354 149103	150530	161143	153323 155865	Ave		155886.469				4.0		25.0			
Benzo[a]anthracene	273830 142780 137552	155216 135955	143301 146717	125667 143481	Lin1	10844.6969	139939.031							0.9990		0.9900
Chrysene	289630 150851 140830	184152 142240	166003 153091	135525 149043	Lin1	15720.3555	144567.259							0.9990		0.9900
Benzo[b]fluoranthene	296250 140117 133227	155652 134327	137895 143539	123388 150912	Lin1	12298.1384	138979.905							0.9970		0.9900
Benzo[k]fluoranthene	805610 143817 129480	193640 135339	170315 148406	129038 135318	Lin1	59282.0875	133118.374							0.9970		0.9900
Benzo[a]pyrene	287350 143262 138566	174510 136360	150008 147937	127088 146508	Lin1	13362.8056	141429.024							0.9990		0.9900
Indeno[1,2,3-cd]pyrene	406980 122976	128954 120585	119076 135963	106423 128581	Lin1	18412.1469	127920.871							0.9970		0.9900
Dibenz(a,h)anthracene	389710 125732	142210 118254	127477 125160	112801 127700	Lin1	20339.9206	124637.399							0.9990		0.9900
Benzo[g,h,i]perylene	410020 121148 125807	129396 117448	119837 127849	106634 125554	Lin1	19530.9232	124718.577							0.9990		0.9900
2-Fluorobiphenyl	182820 138392 136097	149624 130886	136417 143400	120671 142154	Ave		142273.417				12.0		25.0			
2-Bromonaphthalene	117060 94778 90024	95650 88768	90928 95593	82085 92336	Ave		94135.8078				10.0		25.0			
o-Terphenyl	253540 171542 157009	192914 160782	178742 174351	152185 167414	Ave		178719.907				17.0		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 82884

SDG No.: 360-37900

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16336

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82884/2	R400713.D
Level 2	STD05 360-82884/3	R400715.D
Level 3	STD1 360-82884/4	R400717.D
Level 4	STD5 360-82884/5	R400719.D
Level 5	STD10 360-82884/6	R400721.D
Level 6	STD25 360-82884/7	R400723.D
Level 7	STD50 360-82884/1	R400725.D
Level 8	STD100 360-82884/8	R400727.D
Level 9	STD200 360-82884/9	R400729.D

ANALYTE	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
Naphthalene	Ave	19532 4199707	96134 9168968	174008 17824535	771947 34019279	1780100	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Methylnaphthalene	Ave	18000 4062551	96856 8876927	172711 17223002	744942 32899396	1723614	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Acenaphthylene	Ave	24837 4040368	97461 8785393	173931 16998474	756372 32474003	1715710	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Acenaphthene	Ave	23043 4055729	97425 8820338	182766 16941685	760273 32643392	1730536	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Fluorene	Ave	18975 4000063	101986 8706313	178603 16764188	755459 32103683	1710479	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Phenanthrene	Ave	21489 3799841	86158 8306539	160147 16211326	711995 31316706	1626129	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Anthracene	Lin1	32084 3764648	93698 8160943	169140 15941768	729745 30036930	1646405	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Fluoranthene	Ave	19850 3664943	83895 7972047	153338 15541500	680868 29525692	1548141	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Pyrene	Ave	20413 3886049	92906 8369046	172200 16246645	736222 30819194	1655065	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C11-C22 Aromatics	Ave	 63975201	 136971940	 264970279	13032461 506951589	28110201	 425	 850	 1700	85.0 3400	170
Benzo[a]anthracene	Lin1	27383 3398887	77608 7335836	143301 14348101	628333 27510479	1427799	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Chrysene	Lin1	28963 3556001	92076 7654542	166003 14904263	677626 28166036	1508512	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Benzo[b]fluoranthene	Lin1	29625 3358183	77826 7176927	137895 15091168	616939 26645481	1401170	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Benzo[k]fluoranthene	Lin1	80561 3383480	96820 7420303	170315 13531770	645189 25896085	1438171	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 82884

SDG No.: 360-37900

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16336

ANALYTE	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]pyrene	Lin1	28735 3408988	87255 7396842	150008 14650836	635440 27713144	1432623	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Indeno[1,2,3-cd]pyrene	Lin1	40698 3014627	64477 6798127	119076 12858055	532116	1229760	0.100 25.0	0.500 50.0	1.00 100	5.00	10.0
Dibenz(a,h)anthracene	Lin1	38971 2956340	71105 6258006	127477 12770021	564005	1257320	0.100 25.0	0.500 50.0	1.00 100	5.00	10.0
Benzo[g,h,i]perylene	Lin1	41002 2936197	64698 6392453	119837 12555380	533172 25161350	1211484	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Fluorobiphenyl	Ave	18282 3272150	74812 7170019	136417 14215423	603355 27219328	1383915	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Bromonaphthalene	Ave	11706 2219193	47825 4779655	90928 9233617	410427 18004776	947780	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
o-Terphenyl	Ave	25354 4019543	96457 8717574	178742 16741411	760924 31401850	1715418	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D		
Lims ID:	std50	Client ID:	
Inject. Date:	04-Nov-2011 18:55:49	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	7
Sample ID:	std50		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	82884	Lims Sample ID:	1
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:40:24	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.944	5.944	0.000	7170019	53.5	
$ 2 2-Bromonaphthalene						
1	6.805	6.805	0.000	4779655	53.9	
$ 3 o-Terphenyl						
1	10.413	10.413	0.000	8717574	48.8	
$ 4 1-Chlorooctadecane						
2	13.993	13.993	0.000	7669384	50.0	
5 n-Nonane						
2	3.322	3.322	0.000	9295434	51.7	
6 n-Decane						
2	4.127	4.127	0.000	9560336	48.1	
7 Naphthalene						
1	4.700	4.700	0.000	9168968	51.8	
8 2-Methylnaphthalene						
1	5.470	5.470	0.000	8876927	51.7	
9 Dodecane						
2	5.687	5.687	0.000	9558276	50.6	
11 Acenaphthylene						
1	6.618	6.618	0.000	8785393	49.1	
12 Acenaphthene						
1	6.897	6.897	0.000	8820338	49.5	
15 n-Tetradecane						
2	7.350	7.350	0.000	9323243	47.7	
14 Fluorene						
1	7.711	7.711	0.000	8706313	50.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.255	9.255	0.000	9268169	50.4	
16 Phenanthrene						
1	9.462	9.462	0.000	8306539	50.2	
17 Anthracene						
1	9.554	9.554	0.000	8160943	52.8	
20 n-Octadecane						
2	11.235	11.235	0.000	9137355	50.1	
19 Fluoranthene						
1	11.957	11.957	0.000	7972047	50.5	
22 C19						
2	12.205	12.205	0.000	9005170	50.8	
21 Pyrene						
1	12.420	12.420	0.000	8369046	49.7	
23 icosane						
2	13.148	13.148	0.000	8914211	50.7	
27 n-Docosane						
2	14.942	14.942	0.000	8687987	49.5	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	7335836	52.3	
25 Chrysene						
1	15.245	15.245	0.000	7654542	52.8	
28 n-Tetracosane						
2	16.607	16.607	0.000	8722666	48.9	
29 Benzo[b]fluoranthene						
1	17.472	17.472	0.000	7176927	51.6	
30 Benzo[k]fluoranthene						
1	17.534	17.534	0.000	7420303	55.3	
31 Benzo[a]pyrene						
1	18.090	18.090	0.000	7396842	52.2	
32 n-Hexacosane						
2	18.155	18.155	0.000	8918317	52.7	
35 n-Octacosane						
2	19.592	19.592	0.000	8891374	46.9	
33 Indeno[1,2,3-cd]pyrene						
1	20.126	20.126	0.000	6798127	53.0	
34 Dibenz(a,h)anthracene						
1	20.196	20.196	0.000	6258006	50.0	
36 Benzo[g,h,i]perylene						
1	20.545	20.545	0.000	6392453	51.1	
37 Triacontane						
2	20.937	20.937	0.000	8886731	48.8	
38 n-Hexatriacontane						M
2	25.541	25.541	0.000	6932405	45.5	M
A 39 C9-C18 Aliphatics						
2	7.278	3.222 - 11.335		68546958	330.5	
A 40 C11-C22 Aromatics						
1	12.771	4.600 - 20.986		136971940	379.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.564	11.335	-25.742	75594611	363.8	
S 44 EPH Adjustment 1						
1					771.0	
S 42 C11-C22 Aromatics (Adjusted)						
2					107.6	
S 43 Total EPH						
2					801.9	

QC Flag Legend

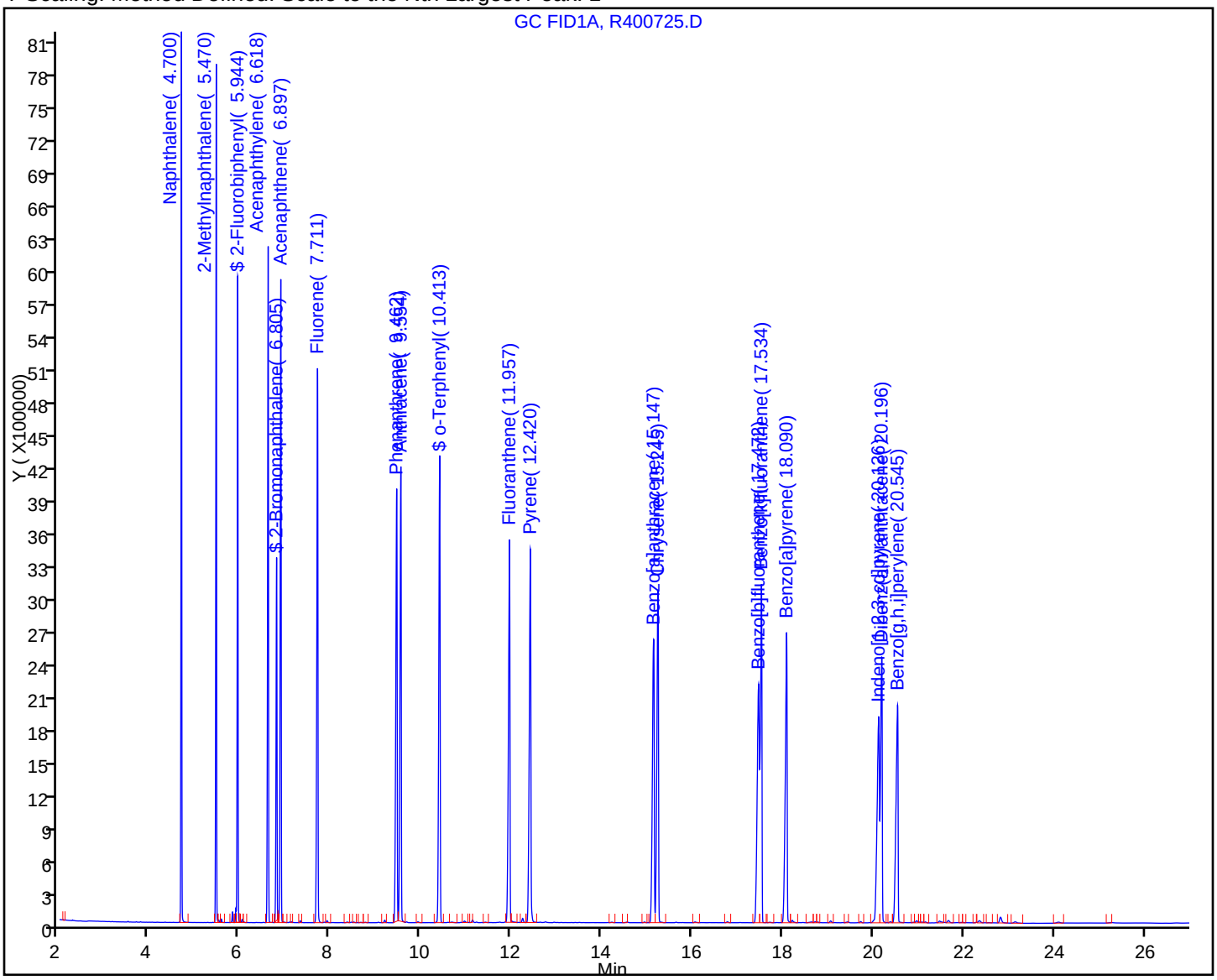
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:40:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D

Injection Date:	04-Nov-2011 18:55:49	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	1
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Lims ID:	std01	Client ID:	
Inject. Date:	04-Nov-2011 15:33:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	std01		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	82884	Lims Sample ID:	2
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:38:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	18282	0.1781	
$ 2 2-Bromonaphthalene						
1	6.797	6.807	-0.010	11706	0.1714	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	25354	0.1419	
$ 4 1-Chlorooctadecane						
2	13.977	13.989	-0.012	19177	0.1251	
5 n-Nonane						
2	3.315	3.320	-0.005	45689	0.1185	
6 n-Decane						
2	4.118	4.125	-0.007	27503	0.1384	
7 Naphthalene						
1	4.694	4.701	-0.007	19532	0.1103	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	18000	0.1049	
9 Dodecane						M
2	5.681	5.685	-0.004	21402	0.1132	M
11 Acenaphthylene						
1	6.604	6.620	-0.016	24837	0.1389	
12 Acenaphthene						
1	6.881	6.900	-0.019	23043	0.1293	
15 n-Tetradecane						
2	7.340	7.345	-0.005	28868	0.1478	
14 Fluorene						
1	7.695	7.711	-0.016	18975	0.1097	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	21924	0.1192	
16 Phenanthrene						
1	9.440	9.463	-0.023	21489	0.1299	
17 Anthracene						
1	9.531	9.555	-0.024	32084	0.1001	
20 n-Octadecane						
2	11.223	11.231	-0.008	22544	0.1236	
19 Fluoranthene						
1	11.927	11.959	-0.032	19850	0.1258	
22 C19						
2	12.189	12.202	-0.013	20605	0.1162	
21 Pyrene						
1	12.388	12.421	-0.033	20413	0.1213	
23 icosane						
2	13.133	13.145	-0.012	22148	0.1260	
27 n-Docosane						
2	14.928	14.940	-0.012	21473	0.1223	
24 Benzo[a]anthracene						
1	15.116	15.147	-0.031	27383	0.1182	
25 Chrysene						
1	15.203	15.245	-0.042	28963	0.0916	
28 n-Tetracosane						
2	16.593	16.605	-0.012	23228	0.1303	
29 Benzo[b]fluoranthene						
1	17.434	17.471	-0.037	29625	0.1247	
30 Benzo[k]fluoranthene						
1	17.473	17.537	-0.064	80561	0.1598	
31 Benzo[a]pyrene						
1	18.044	18.091	-0.047	28735	0.1087	
32 n-Hexacosane						
2	18.139	18.150	-0.011	32897	0.0964	
35 n-Octacosane						
2	19.577	19.586	-0.009	29834	0.1573	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.124	-0.051	40698	0.1742	
34 Dibenz(a,h)anthracene						
1	20.141	20.237	-0.096	38971	0.1495	
36 Benzo[g,h,i]perylene						
1	20.473	20.473	0.000	41002	0.1722	
37 Triacontane						
2	20.919	20.932	-0.013	24973	0.1370	
38 n-Hexatriacontane						M
2	25.486	25.525	-0.039	18444	0.1210	M
S 43 Total EPH						
2					-1.85	
S 42 C11-C22 Aromatics (Adjusted)						
2					1.85	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					1.85	

QC Flag Legend

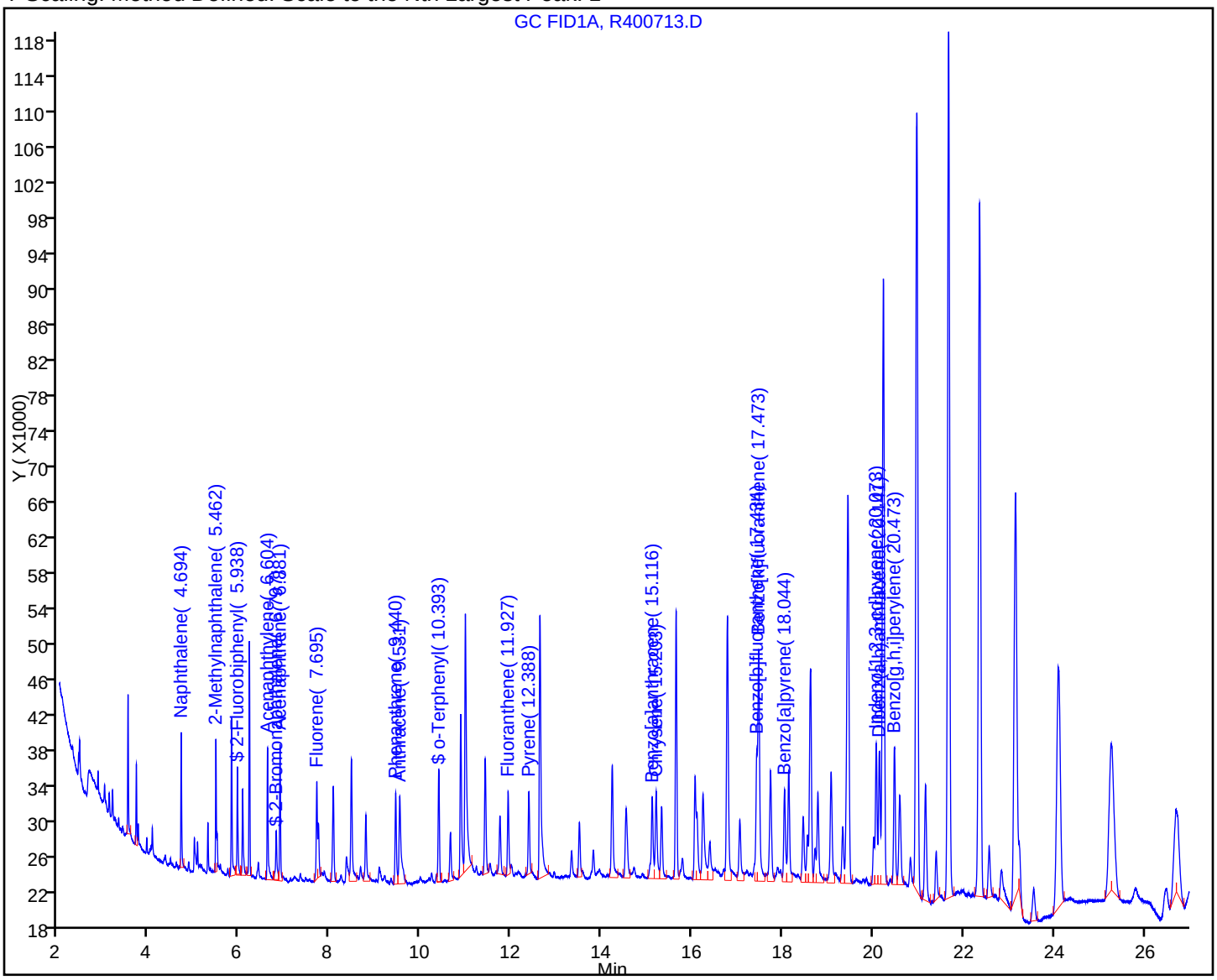
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:38:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D

Injection Date:	04-Nov-2011 15:33:45	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Lims ID:	std05	Client ID:	
Inject. Date:	04-Nov-2011 16:07:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	std05		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	82884	Lims Sample ID:	3
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:21	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:21

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	74812	0.6280	
$ 2 2-Bromonaphthalene						
1	6.795	6.807	-0.012	47825	0.6068	
$ 3 o-Terphenyl						
1	10.392	10.414	-0.022	96457	0.5397	
$ 4 1-Chlorooctadecane						
2	13.980	13.989	-0.009	66681	0.4348	
5 n-Nonane						
2	3.316	3.320	-0.004	94503	0.3909	
6 n-Decane						
2	4.119	4.125	-0.006	88951	0.4476	
7 Naphthalene						
1	4.694	4.701	-0.007	96134	0.5429	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	96856	0.5644	
9 Dodecane						M
2	5.681	5.685	-0.004	81949	0.4335	M
11 Acenaphthylene						
1	6.605	6.620	-0.015	97461	0.5449	
12 Acenaphthene						
1	6.882	6.900	-0.018	97425	0.5465	
15 n-Tetradecane						
2	7.344	7.345	-0.001	86676	0.4438	
14 Fluorene						
1	7.693	7.711	-0.018	101986	0.5896	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	79421	0.4318	
16 Phenanthrene						
1	9.439	9.463	-0.024	86158	0.5207	
17 Anthracene						
1	9.527	9.555	-0.028	93698	0.4994	
20 n-Octadecane						
2	11.225	11.231	-0.006	79063	0.4335	
19 Fluoranthene						
1	11.928	11.959	-0.031	83895	0.5318	
22 C19						
2	12.192	12.202	-0.010	76763	0.4328	
21 Pyrene						
1	12.389	12.421	-0.032	92906	0.5522	
23 icosane						
2	13.135	13.145	-0.010	76021	0.4324	
27 n-Docosane						
2	14.930	14.940	-0.010	77725	0.4427	
24 Benzo[a]anthracene						
1	15.114	15.147	-0.033	77608	0.4771	
25 Chrysene						
1	15.204	15.245	-0.041	92076	0.5282	
28 n-Tetracosane						
2	16.593	16.605	-0.012	77831	0.4365	
29 Benzo[b]fluoranthene						
1	17.430	17.471	-0.041	77826	0.4715	
30 Benzo[k]fluoranthene						
1	17.479	17.537	-0.058	96820	0.2820	
31 Benzo[a]pyrene						M
1	18.044	18.091	-0.047	87255	0.5225	M
32 n-Hexacosane						
2	18.139	18.150	-0.011	84479	0.4019	
35 n-Octacosane						
2	19.575	19.586	-0.011	82434	0.4347	
33 Indeno[1,2,3-cd]pyrene						
1	20.072	20.124	-0.052	64477	0.3601	
34 Dibenz(a,h)anthracene						M
1	20.145	20.237	-0.092	71105	0.4073	M
36 Benzo[g,h,i]perylene						
1	20.478	20.473	0.005	64698	0.3622	
37 Triacontane						
2	20.916	20.932	-0.016	77925	0.4275	
38 n-Hexatriacontane						
2	25.515	25.525	-0.010	80420	0.5274	
S 44 EPH Adjustment 1						
1					7.54	
S 42 C11-C22 Aromatics (Adjusted)						
2					7.54	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 43 Total EPH						
2					-7.54	

QC Flag Legend

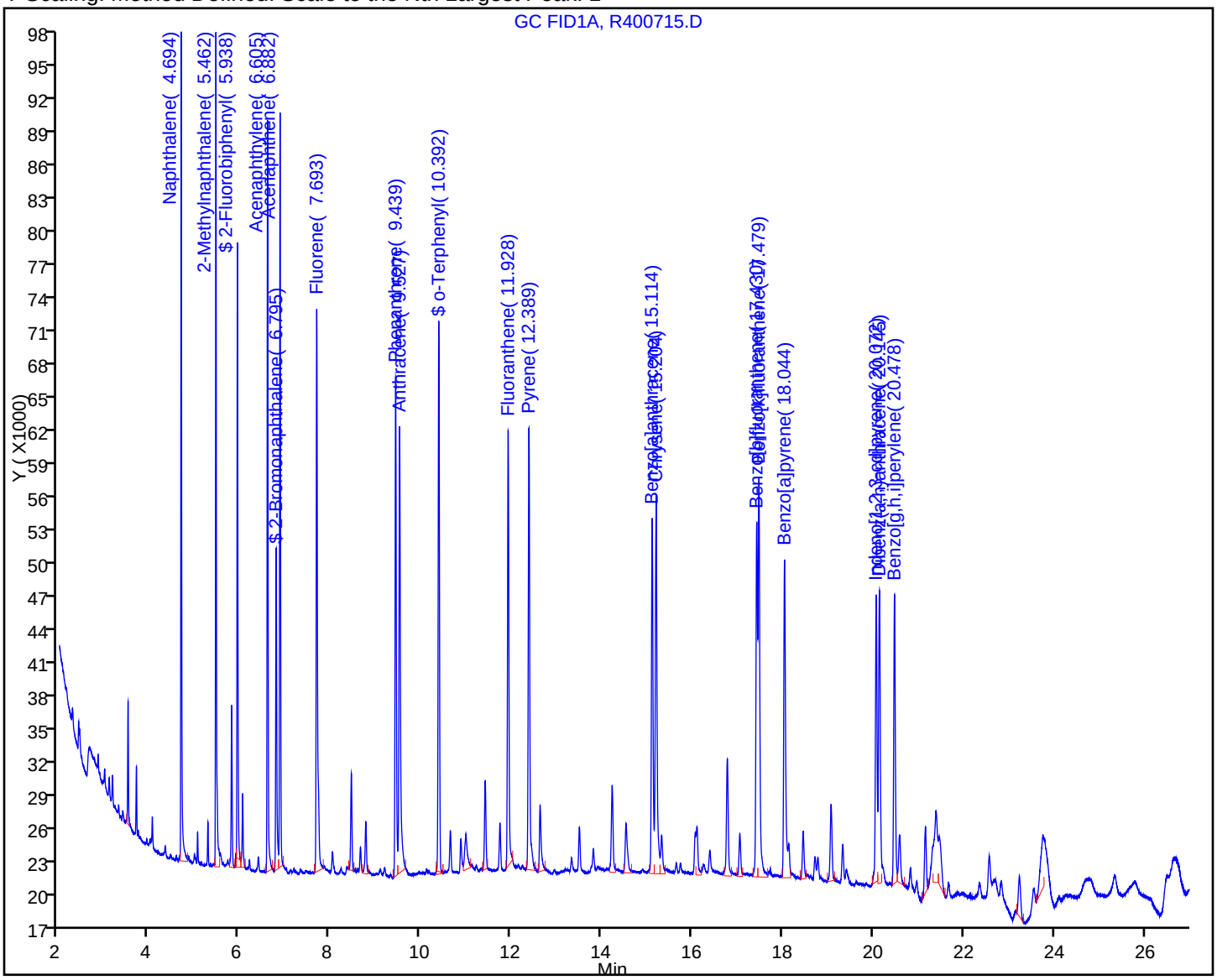
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D

Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Report Date: 08-Nov-2011 10:39:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

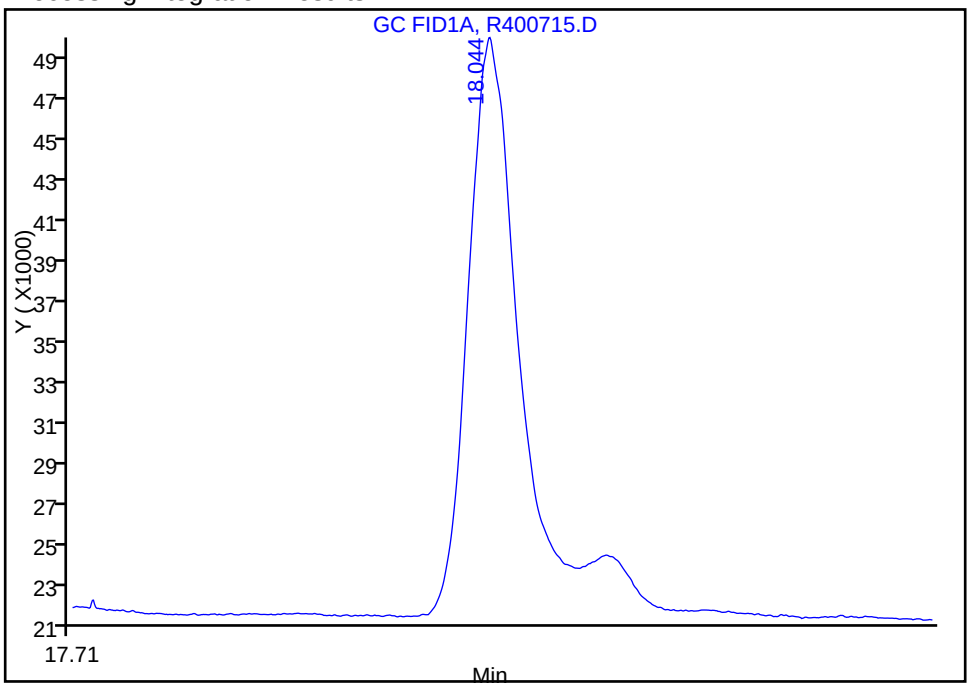
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 18.09, Det: GC FID1A

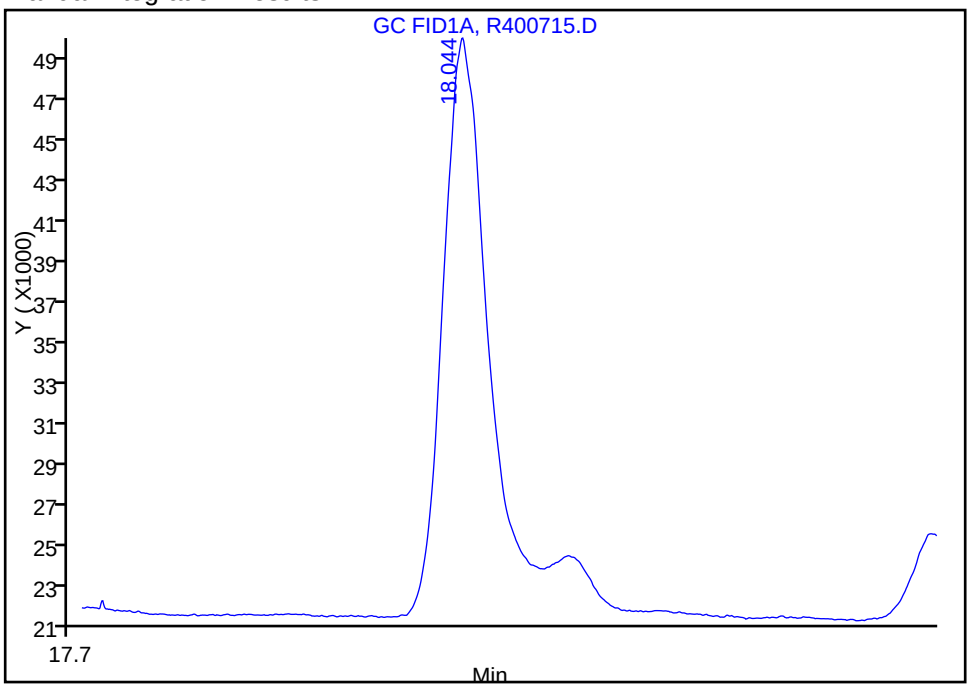
Processing Integration Results

RT: 18.04
Response: 79261
Amount: 0.470187



Manual Integration Results

RT: 18.04
Response: 87255
Amount: 0.522468



Reviewer: malanowskiv, 06-Nov-2011 12:18:05
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:39:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

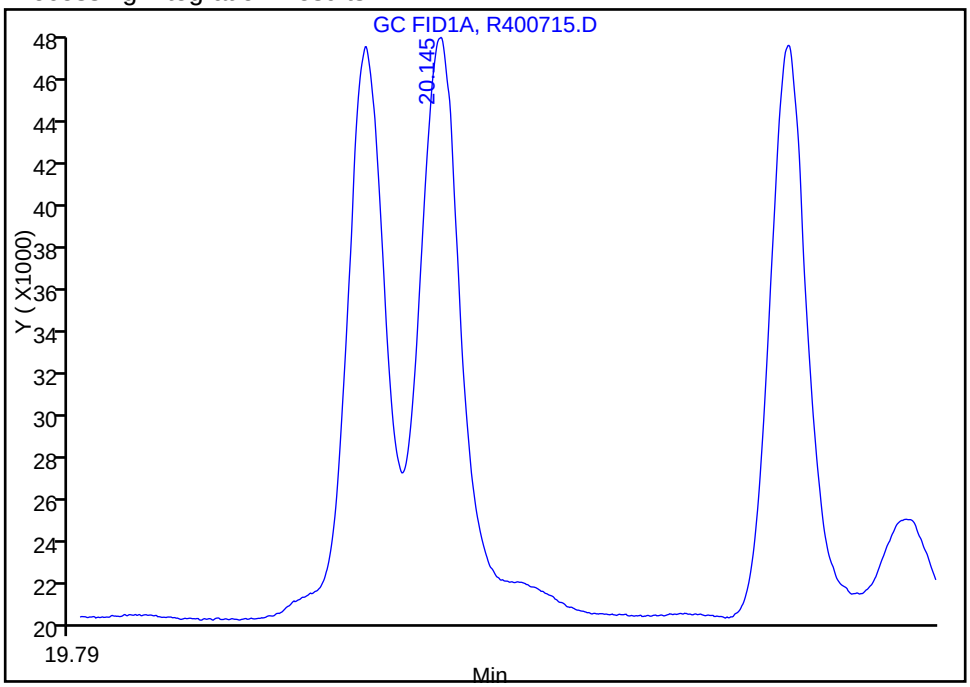
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 20.24, Det: GC FID1A

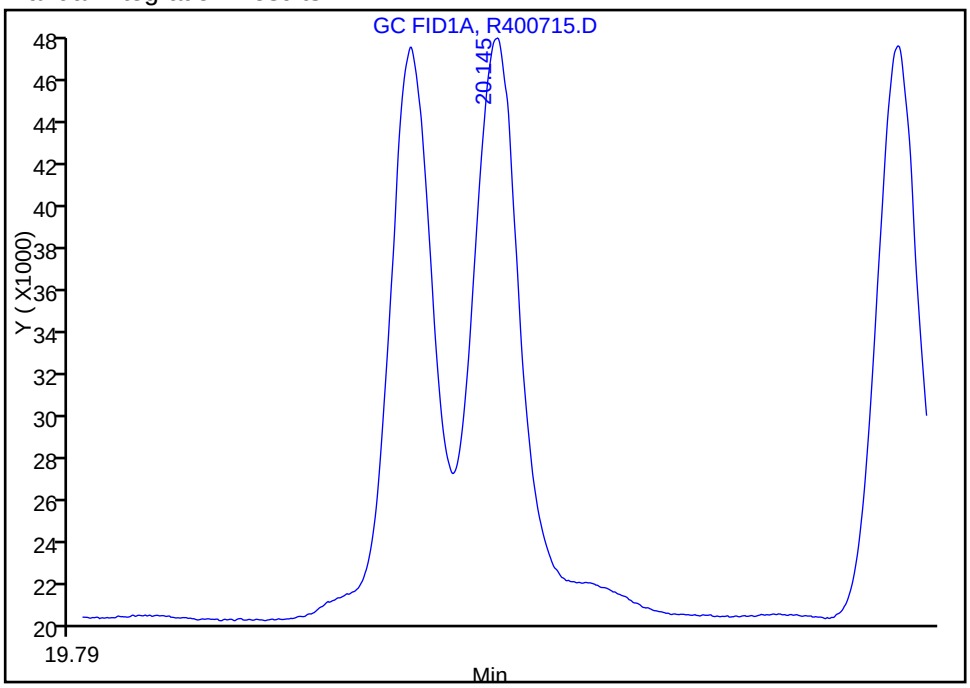
Processing Integration Results

RT: 20.14
Response: 75585
Amount: 1.160028



Manual Integration Results

RT: 20.14
Response: 71105
Amount: 0.407302



Reviewer: malanowskiv, 08-Nov-2011 10:07:06
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Lims ID:	std1	Client ID:	
Inject. Date:	04-Nov-2011 16:41:15	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	std1		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	82884	Lims Sample ID:	4
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:43	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:30

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.936	5.946	-0.010	136417	1.02	
$ 2 2-Bromonaphthalene						
1	6.794	6.807	-0.013	90928	1.02	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	178742	1.00	
$ 4 1-Chlorooctadecane						
2	13.979	13.989	-0.010	157720	1.03	
5 n-Nonane						
2	3.316	3.320	-0.004	191340	0.9313	
6 n-Decane						
2	4.120	4.125	-0.005	198910	1.00	
7 Naphthalene						
1	4.694	4.701	-0.007	174008	0.9827	
8 2-Methylnaphthalene						
1	5.461	5.471	-0.010	172711	1.01	
9 Dodecane						
2	5.681	5.685	-0.004	193561	1.02	
11 Acenaphthylene						
1	6.604	6.620	-0.016	173931	0.9724	
12 Acenaphthene						
1	6.881	6.900	-0.019	182766	1.03	
15 n-Tetradecane						
2	7.341	7.345	-0.004	195113	1.00	
14 Fluorene						
1	7.693	7.711	-0.018	178603	1.03	

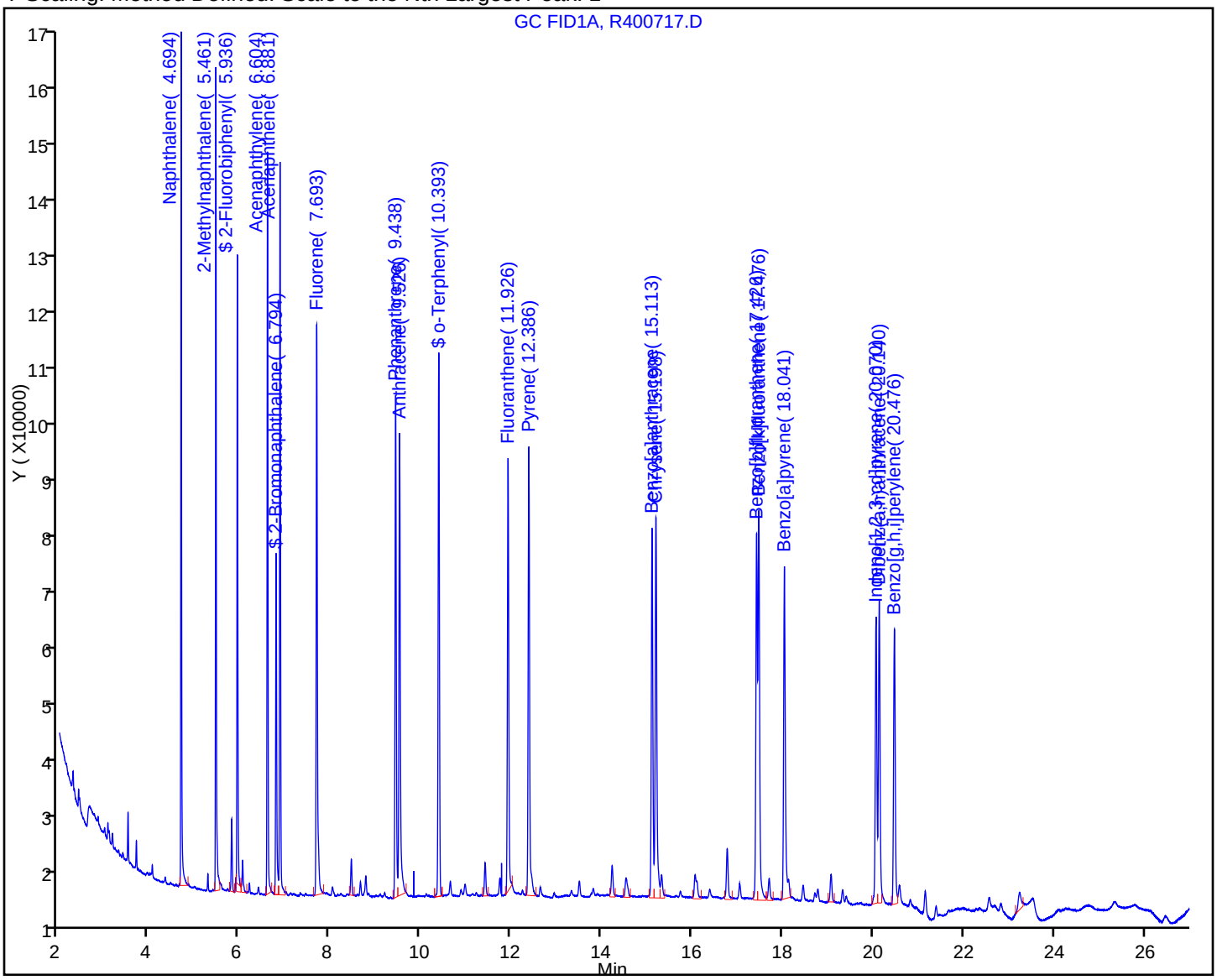
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.245	9.253	-0.008	188032	1.02	
16 Phenanthrene						
1	9.438	9.463	-0.025	160147	0.9679	
17 Anthracene						
1	9.526	9.555	-0.029	169140	0.9883	
20 n-Octadecane						
2	11.221	11.231	-0.010	186018	1.02	
19 Fluoranthene						
1	11.926	11.959	-0.033	153338	0.9721	
22 C19						
2	12.191	12.202	-0.011	181606	1.02	
21 Pyrene						
1	12.386	12.421	-0.035	172200	1.02	
23 icosane						
2	13.133	13.145	-0.012	179530	1.02	
27 n-Docosane						
2	14.925	14.940	-0.015	181581	1.03	
24 Benzo[a]anthracene						
1	15.113	15.147	-0.034	143301	0.9465	
25 Chrysene						
1	15.198	15.245	-0.047	166003	1.04	
28 n-Tetracosane						
2	16.591	16.605	-0.014	185952	1.04	
29 Benzo[b]fluoranthene						
1	17.426	17.471	-0.045	137895	0.9037	
30 Benzo[k]fluoranthene						
1	17.476	17.537	-0.061	170315	0.8341	
31 Benzo[a]pyrene						M
1	18.041	18.091	-0.050	150008	0.9662	M
32 n-Hexacosane						
2	18.134	18.150	-0.016	196881	1.07	
35 n-Octacosane						
2	19.576	19.586	-0.010	195174	1.03	
33 Indeno[1,2,3-cd]pyrene						
1	20.070	20.124	-0.054	119076	0.7869	
34 Dibenz(a,h)anthracene						M
1	20.140	20.237	-0.097	127477	0.8596	M
36 Benzo[g,h,i]perylene						
1	20.476	20.473	0.003	119837	0.8043	
37 Triacontane						
2	20.914	20.932	-0.018	186927	1.03	
38 n-Hexatriacontane						
2	25.510	25.525	-0.015	158822	1.04	
S 43 Total EPH						
2					-14.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					14.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					14.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:43 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D
Injection Date: 04-Nov-2011 16:41:15 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 82884 Lims Sample ID: 4
Operator ID: CT Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Report Date: 08-Nov-2011 10:39:43 Chrom Revision: 2.0 29-Sep-2011 09:38:02

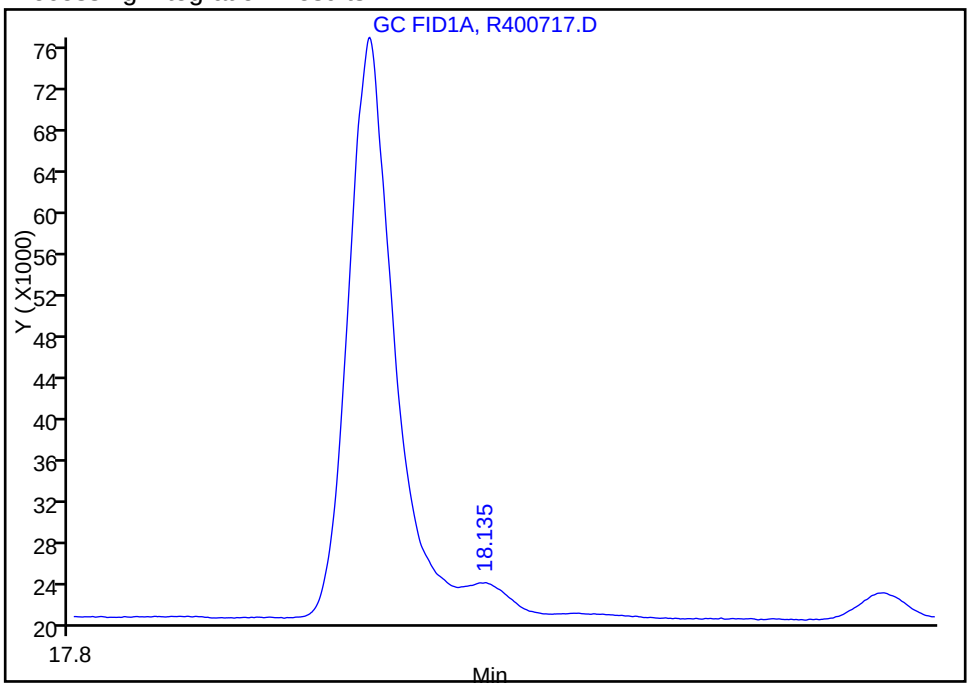
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 18.09, Det: GC FID1A

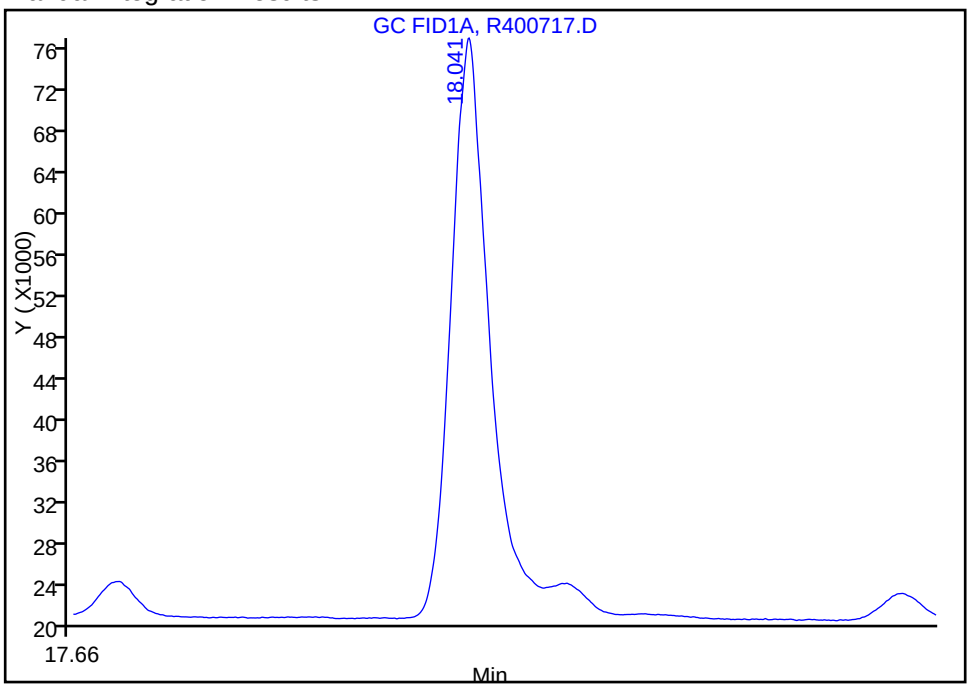
Processing Integration Results

RT: 18.13
Response: 10022
Amount: 0.315085



Manual Integration Results

RT: 18.04
Response: 150008
Amount: 0.966175



Reviewer: malanowskiv, 06-Nov-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:39:43 Chrom Revision: 2.0 29-Sep-2011 09:38:02

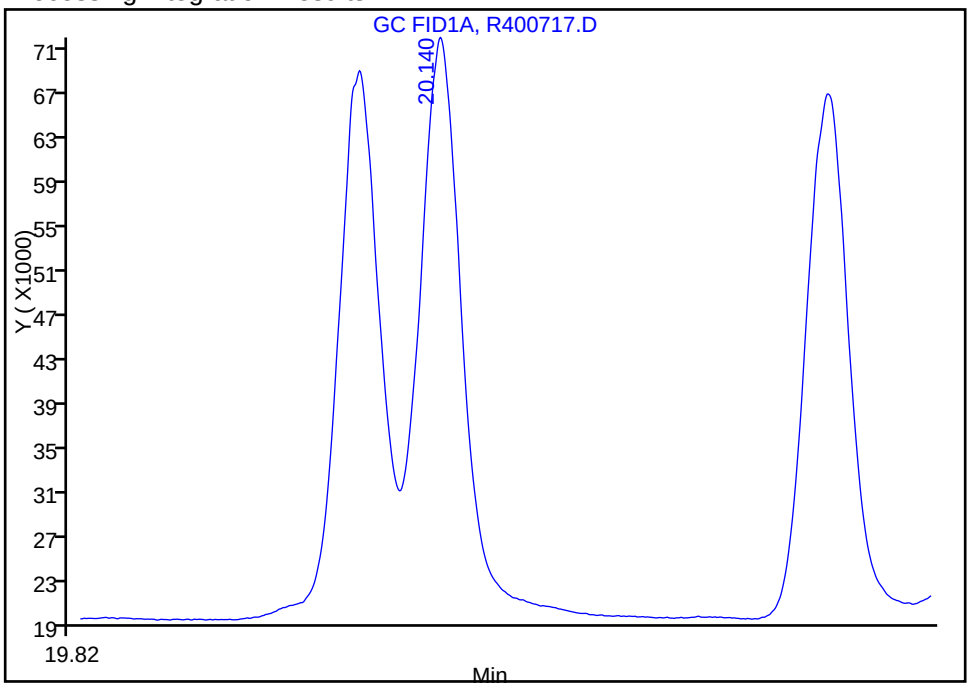
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 20.24, Det: GC FID1A

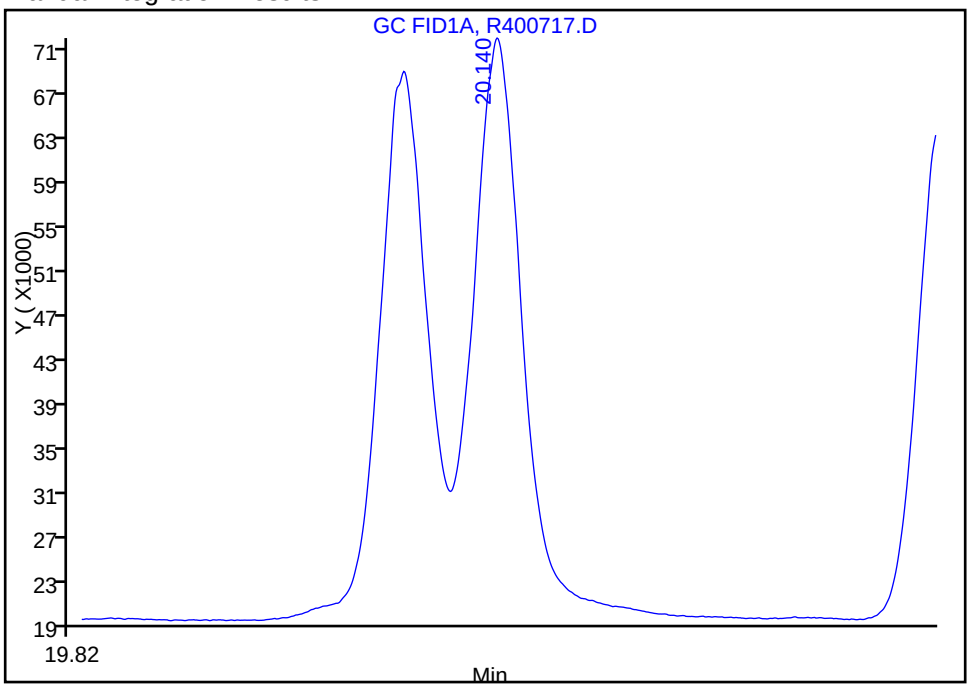
Processing Integration Results

RT: 20.14
Response: 131847
Amount: 1.534784



Manual Integration Results

RT: 20.14
Response: 127477
Amount: 0.859590



Reviewer: malanowskiv, 08-Nov-2011 10:07:54
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D		
Lims ID:	std5	Client ID:	
Inject. Date:	04-Nov-2011 17:14:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	std5		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	82884	Lims Sample ID:	5
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:42:28	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:37

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.937	0.000	603355	4.50	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	410427	4.63	
$ 3 o-Terphenyl						
1	10.396	10.396	0.000	760924	4.26	
$ 4 1-Chlorooctadecane						
2	13.980	13.980	0.000	835953	5.45	
5 n-Nonane						
2	3.317	3.317	0.000	1008687	5.49	
6 n-Decane						
2	4.119	4.119	0.000	1040458	5.24	
7 Naphthalene						
1	4.693	4.693	0.000	771947	4.36	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	744942	4.34	
9 Dodecane						
2	5.681	5.681	0.000	1032141	5.46	
11 Acenaphthylene						
1	6.606	6.606	0.000	756372	4.23	
12 Acenaphthene						
1	6.882	6.882	0.000	760273	4.26	
15 n-Tetradecane						
2	7.342	7.342	0.000	1009032	5.17	
14 Fluorene						
1	7.693	7.693	0.000	755459	4.37	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	997130	5.42	
16 Phenanthrene						
1	9.440	9.440	0.000	711995	4.30	
17 Anthracene						
1	9.527	9.527	0.000	729745	4.62	
20 n-Octadecane						
2	11.222	11.222	0.000	981231	5.38	
19 Fluoranthene						
1	11.930	11.930	0.000	680868	4.32	
22 C19						
2	12.192	12.192	0.000	962882	5.43	
21 Pyrene						
1	12.390	12.390	0.000	736222	4.38	
23 icosane						
2	13.135	13.135	0.000	950809	5.41	
27 n-Docosane						
2	14.927	14.927	0.000	957825	5.46	
24 Benzo[a]anthracene						
1	15.112	15.112	0.000	628333	4.41	
25 Chrysene						
1	15.202	15.202	0.000	677626	4.58	
28 n-Tetracosane						
2	16.592	16.592	0.000	954740	5.35	
29 Benzo[b]fluoranthene						
1	17.427	17.427	0.000	616939	4.35	
30 Benzo[k]fluoranthene						
1	17.477	17.477	0.000	645189	4.40	
31 Benzo[a]pyrene						
1	18.042	18.042	0.000	635440	4.40	
32 n-Hexacosane						
2	18.139	18.139	0.000	969840	5.65	
35 n-Octacosane						
2	19.577	19.577	0.000	964729	5.09	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.073	0.000	532116	4.02	
34 Dibenz(a,h)anthracene						
1	20.145	20.145	0.000	564005	4.36	
36 Benzo[g,h,i]perylene						
1	20.482	20.482	0.000	533172	4.12	
37 Triacontane						
2	20.918	20.918	0.000	957852	5.25	
38 n-Hexatriacontane						
2	25.512	25.512	0.000	816525	5.35	
A 39 C9-C18 Aliphatics						
2	7.278	3.217 - 11.322		13287798	32.2	
A 40 C11-C22 Aromatics						
1	12.793	4.593 - 20.861		13032461	83.6	

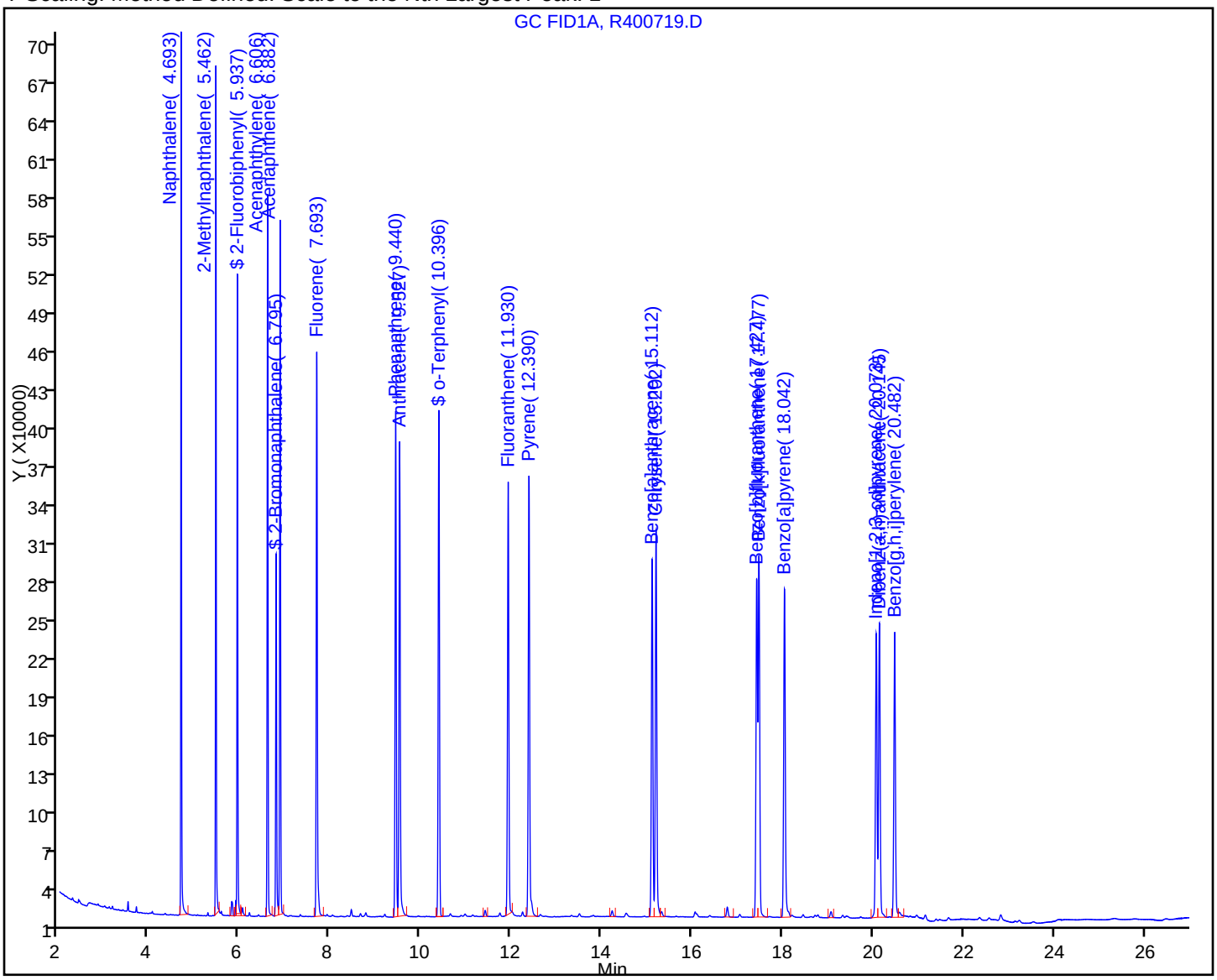
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.538	11.322	-25.765	11820018	56.9	
S 43 Total EPH						
2					107.2	
S 42 C11-C22 Aromatics (Adjusted)						
2					18.2	
S 44 EPH Adjustment 1						
1					65.4	

Report Date: 08-Nov-2011 10:42:28 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D

Injection Date:	04-Nov-2011 17:14:54	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	5
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Lims ID:	std10	Client ID:	
Inject. Date:	04-Nov-2011 17:48:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	std10		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	82884	Lims Sample ID:	6
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:13	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.937	0.001	1383915	10.3	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	947780	10.7	
$ 3 o-Terphenyl						
1	10.397	10.396	0.001	1715418	9.60	
$ 4 1-Chlorooctadecane						
2	13.981	13.980	0.001	1493643	9.74	
5 n-Nonane						
2	3.317	3.317	0.000	1809092	9.96	
6 n-Decane						
2	4.121	4.119	0.002	1866122	9.39	
7 Naphthalene						
1	4.694	4.693	0.001	1780100	10.1	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	1723614	10.0	
9 Dodecane						
2	5.682	5.681	0.001	1852722	9.80	
11 Acenaphthylene						
1	6.606	6.606	0.000	1715710	9.59	
12 Acenaphthene						
1	6.885	6.882	0.003	1730536	9.71	
15 n-Tetradecane						
2	7.343	7.342	0.001	1804162	9.24	
14 Fluorene						
1	7.695	7.693	0.002	1710479	9.89	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	1783806	9.70	
16 Phenanthrene						
1	9.443	9.440	0.003	1626129	9.83	
17 Anthracene						
1	9.530	9.527	0.003	1646405	10.6	
20 n-Octadecane						
2	11.223	11.222	0.001	1751948	9.60	
19 Fluoranthene						
1	11.934	11.930	0.004	1548141	9.81	
22 C19						
2	12.194	12.192	0.002	1723266	9.72	
21 Pyrene						
1	12.392	12.390	0.002	1655065	9.84	
23 icosane						M
2	13.136	13.135	0.001	1718339	9.77	M
27 n-Docosane						
2	14.928	14.927	0.001	1707750	9.73	
24 Benzo[a]anthracene						
1	15.120	15.112	0.008	1427799	10.1	
25 Chrysene						
1	15.207	15.202	0.005	1508512	10.3	
28 n-Tetracosane						
2	16.594	16.592	0.002	1695943	9.51	
29 Benzo[b]fluoranthene						
1	17.439	17.427	0.012	1401170	10.0	
30 Benzo[k]fluoranthene						
1	17.487	17.477	0.010	1438171	10.4	
31 Benzo[a]pyrene						
1	18.049	18.042	0.007	1432623	10.0	
32 n-Hexacosane						
2	18.138	18.139	-0.001	1707752	10.0	
35 n-Octacosane						
2	19.579	19.577	0.002	1703640	8.98	
33 Indeno[1,2,3-cd]pyrene						
1	20.083	20.073	0.010	1229760	9.47	
34 Dibenz(a,h)anthracene						
1	20.147	20.145	0.002	1257320	9.92	
36 Benzo[g,h,i]perylene						
1	20.492	20.482	0.010	1211484	9.56	
37 Triacontane						
2	20.920	20.918	0.002	1700410	9.33	
38 n-Hexatriacontane						M
2	25.519	25.512	0.007	1476363	9.68	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		16605628	50.1	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		28110201	100.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	17408993	83.8	
S 44 EPH Adjustment 1						
1					149.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					30.6	
S 43 Total EPH						
2					164.5	

QC Flag Legend

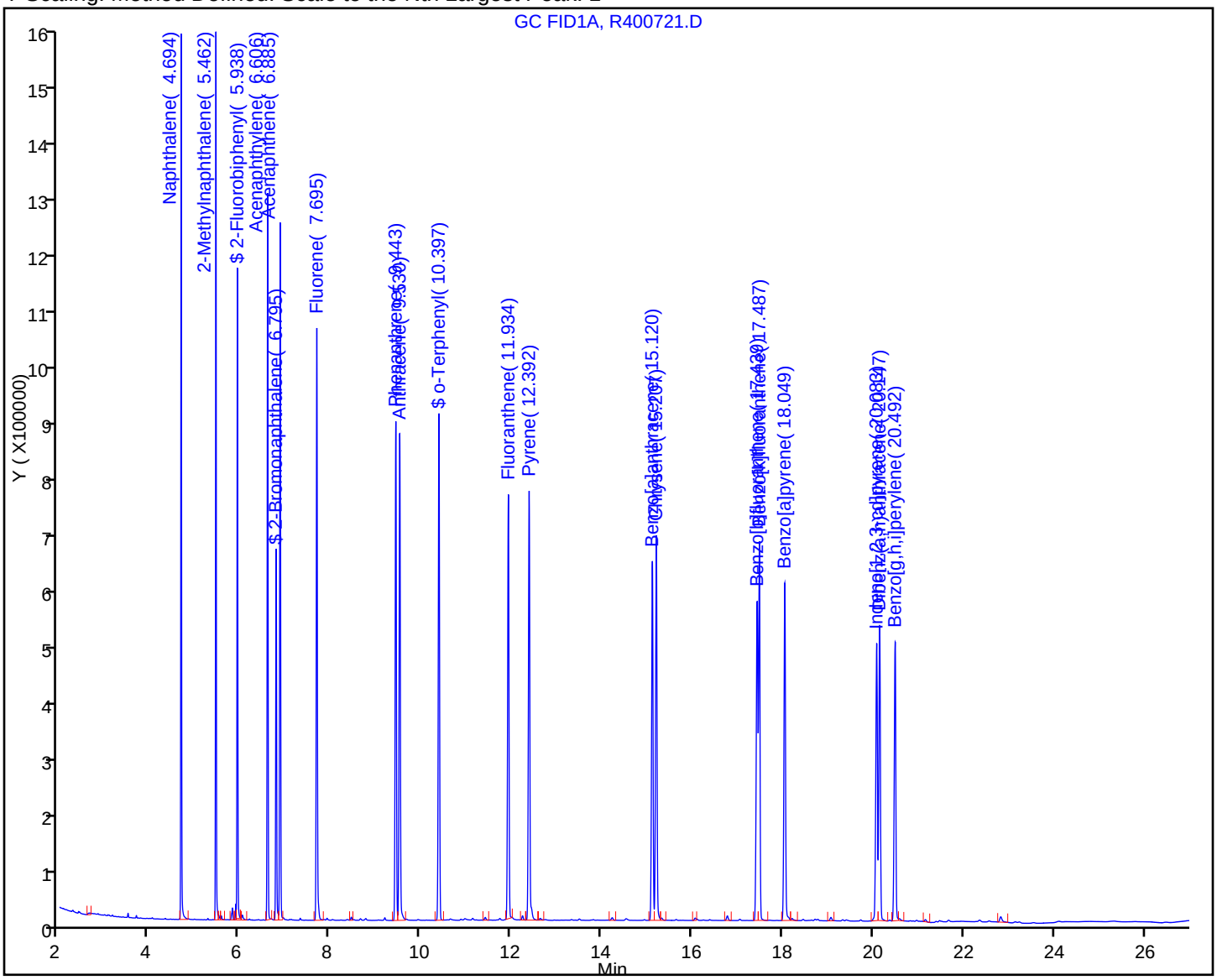
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:46:13 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D

Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D		
Lims ID:	std25	Client ID:	
Inject. Date:	04-Nov-2011 18:22:16	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	std25		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	82884	Lims Sample ID:	7
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:35	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:26

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.937	0.002	3272150	24.4	
$ 2 2-Bromonaphthalene						
1	6.799	6.795	0.004	2219193	25.0	
$ 3 o-Terphenyl						
1	10.403	10.396	0.007	4019543	22.5	
$ 4 1-Chlorooctadecane						
2	13.984	13.980	0.004	3641764	23.7	
5 n-Nonane						
2	3.318	3.317	0.001	4377354	24.3	
6 n-Decane						
2	4.122	4.119	0.003	4503826	22.7	
7 Naphthalene						
1	4.695	4.693	0.002	4199707	23.7	
8 2-Methylnaphthalene						
1	5.465	5.462	0.003	4062551	23.7	
9 Dodecane						
2	5.683	5.681	0.002	4478288	23.7	
11 Acenaphthylene						
1	6.611	6.606	0.005	4040368	22.6	
12 Acenaphthene						
1	6.889	6.882	0.007	4055729	22.8	
15 n-Tetradecane						
2	7.345	7.342	0.003	4377639	22.4	
14 Fluorene						
1	7.702	7.693	0.009	4000063	23.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.246	0.005	4324561	23.5	
16 Phenanthrene						
1	9.450	9.440	0.010	3799841	23.0	
17 Anthracene						
1	9.539	9.527	0.012	3764648	24.3	
20 n-Octadecane						
2	11.230	11.222	0.008	4270937	23.4	
19 Fluoranthene						
1	11.943	11.930	0.013	3664943	23.2	
22 C19						
2	12.198	12.192	0.006	4203875	23.7	
21 Pyrene						
1	12.402	12.390	0.012	3886049	23.1	
23 icosane						
2	13.142	13.135	0.007	4135090	23.5	
27 n-Docosane						
2	14.935	14.927	0.008	4155128	23.7	
24 Benzo[a]anthracene						
1	15.131	15.112	0.019	3398887	24.2	
25 Chrysene						
1	15.224	15.202	0.022	3556001	24.5	
28 n-Tetracosane						
2	16.600	16.592	0.008	4156516	23.3	
29 Benzo[b]fluoranthene						
1	17.452	17.427	0.025	3358183	24.1	
30 Benzo[k]fluoranthene						
1	17.507	17.477	0.030	3383480	25.0	
31 Benzo[a]pyrene						
1	18.068	18.042	0.026	3408988	24.0	
32 n-Hexacosane						
2	18.147	18.139	0.008	4203409	24.8	
35 n-Octacosane						
2	19.583	19.577	0.006	4221496	22.3	
33 Indeno[1,2,3-cd]pyrene						
1	20.103	20.073	0.030	3014627	23.4	
34 Dibenz(a,h)anthracene						
1	20.167	20.145	0.022	2956340	23.6	
36 Benzo[g,h,i]perylene						
1	20.513	20.482	0.031	2936197	23.4	
37 Triacontane						
2	20.926	20.918	0.008	4185801	23.0	
38 n-Hexatriacontane						
2	25.527	25.512	0.015	3536636	23.2	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		35718196	153.3	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		63975201	410.4	

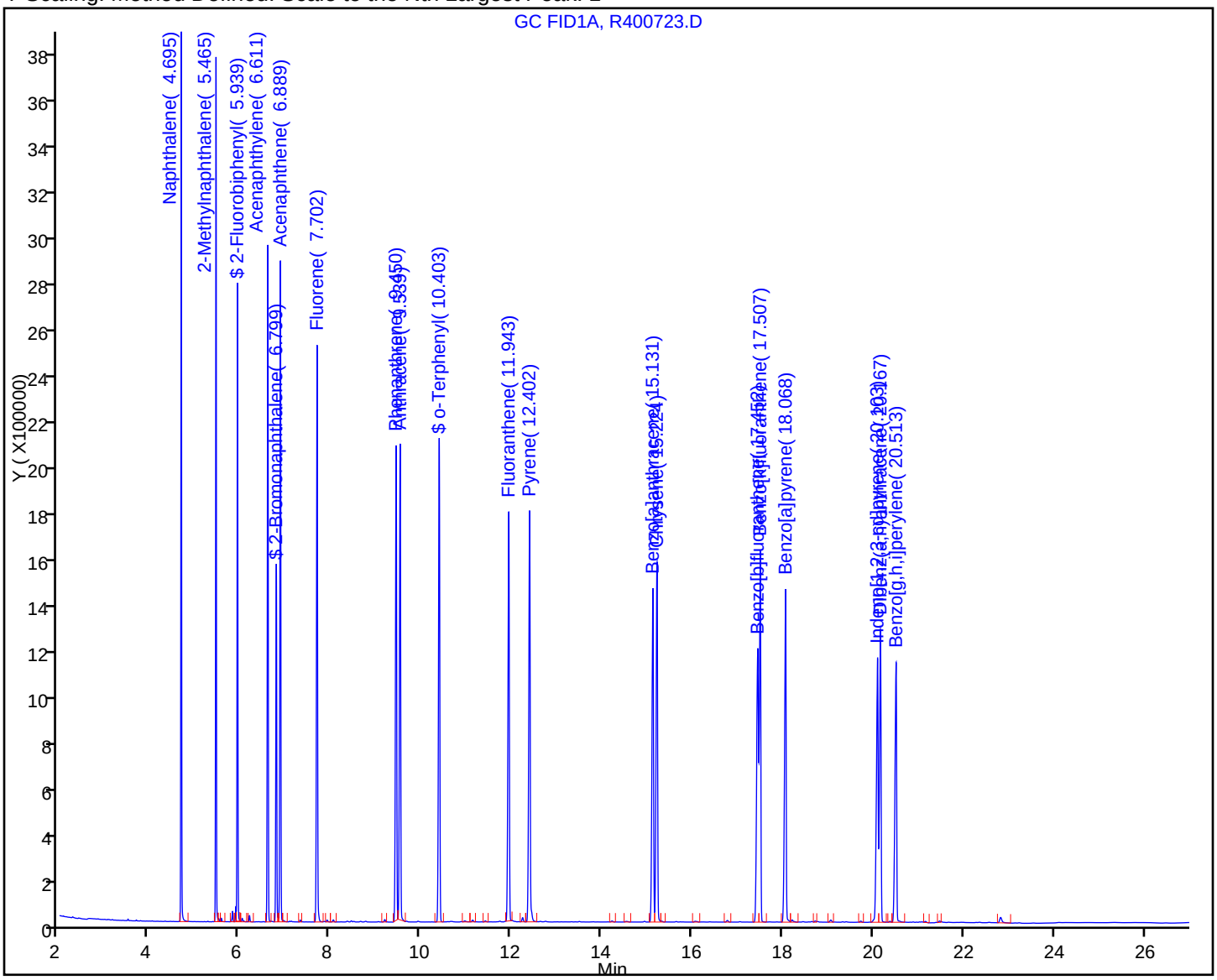
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	40071233	192.8	
S 43 Total EPH						
2					401.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					55.8	
S 44 EPH Adjustment 1						
1					354.6	

Report Date: 08-Nov-2011 10:46:35 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D

Injection Date:	04-Nov-2011 18:22:16	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Lims ID:	std100	Client ID:	
Inject. Date:	04-Nov-2011 19:29:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	std100		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	82884	Lims Sample ID:	8
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:26	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.952	5.937	0.015	14215423	102.1	
$ 2 2-Bromonaphthalene						
1	6.817	6.795	0.022	9233617	100.2	
$ 3 o-Terphenyl						
1	10.429	10.396	0.033	16741411	93.7	
$ 4 1-Chlorooctadecane						
2	14.007	13.980	0.027	14226897	92.8	
5 n-Nonane						
2	3.327	3.317	0.010	18211050	101.5	
6 n-Decane						
2	4.132	4.119	0.013	18796584	94.6	
7 Naphthalene						
1	4.707	4.693	0.014	17824535	100.7	
8 2-Methylnaphthalene						
1	5.478	5.462	0.016	17223002	100.4	
9 Dodecane						
2	5.692	5.681	0.011	18661498	98.7	
11 Acenaphthylene						
1	6.630	6.606	0.024	16998474	95.0	
12 Acenaphthene						
1	6.913	6.882	0.031	16941685	95.0	
15 n-Tetradecane						
2	7.355	7.342	0.013	18072917	92.5	
14 Fluorene						
1	7.727	7.693	0.034	16764188	96.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.266	9.246	0.020	17883375	97.2	
16 Phenanthrene						
1	9.481	9.440	0.041	16211326	98.0	
17 Anthracene						
1	9.577	9.527	0.050	15941768	103.2	
20 n-Octadecane						
2	11.246	11.222	0.024	17579906	96.4	
19 Fluoranthene						
1	11.980	11.930	0.050	15541500	98.5	
22 C19						
2	12.217	12.192	0.025	17308446	97.6	
21 Pyrene						
1	12.443	12.390	0.053	16246645	96.6	
23 icosane						
2	13.163	13.135	0.028	16639428	94.6	
27 n-Docosane						
2	14.959	14.927	0.032	16360413	93.2	
24 Benzo[a]anthracene						
1	15.174	15.112	0.062	14348101	102.5	
25 Chrysene						
1	15.278	15.202	0.076	14904263	103.0	
28 n-Tetracosane						
2	16.623	16.592	0.031	16666913	93.5	
29 Benzo[b]fluoranthene						
1	17.499	17.427	0.072	15091168	108.5	
30 Benzo[k]fluoranthene						
1	17.574	17.477	0.097	13531770	101.2	
31 Benzo[a]pyrene						M
1	18.131	18.042	0.089	14650836	103.5	M
32 n-Hexacosane						
2	18.171	18.139	0.032	16975846	100.5	
35 n-Octacosane						
2	19.607	19.577	0.030	17077930	90.1	
33 Indeno[1,2,3-cd]pyrene						
1	20.184	20.073	0.111	12858055	100.4	
34 Dibenz(a,h)anthracene						M
1	20.237	20.145	0.092	12770021	102.3	M
36 Benzo[g,h,i]perylene						
1	20.589	20.482	0.107	12555380	100.5	
37 Triacontane						
2	20.954	20.918	0.036	17192252	94.3	
38 n-Hexatriacontane						
2	25.568	25.512	0.056	13851517	90.8	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		116436741	589.0	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		264970279	1698.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	140145386	674.4	
S 44 EPH Adjustment 1						
1					1503.4	
S 42 C11-C22 Aromatics (Adjusted)						
2					196.3	
S 43 Total EPH						
2					1459.8	

QC Flag Legend

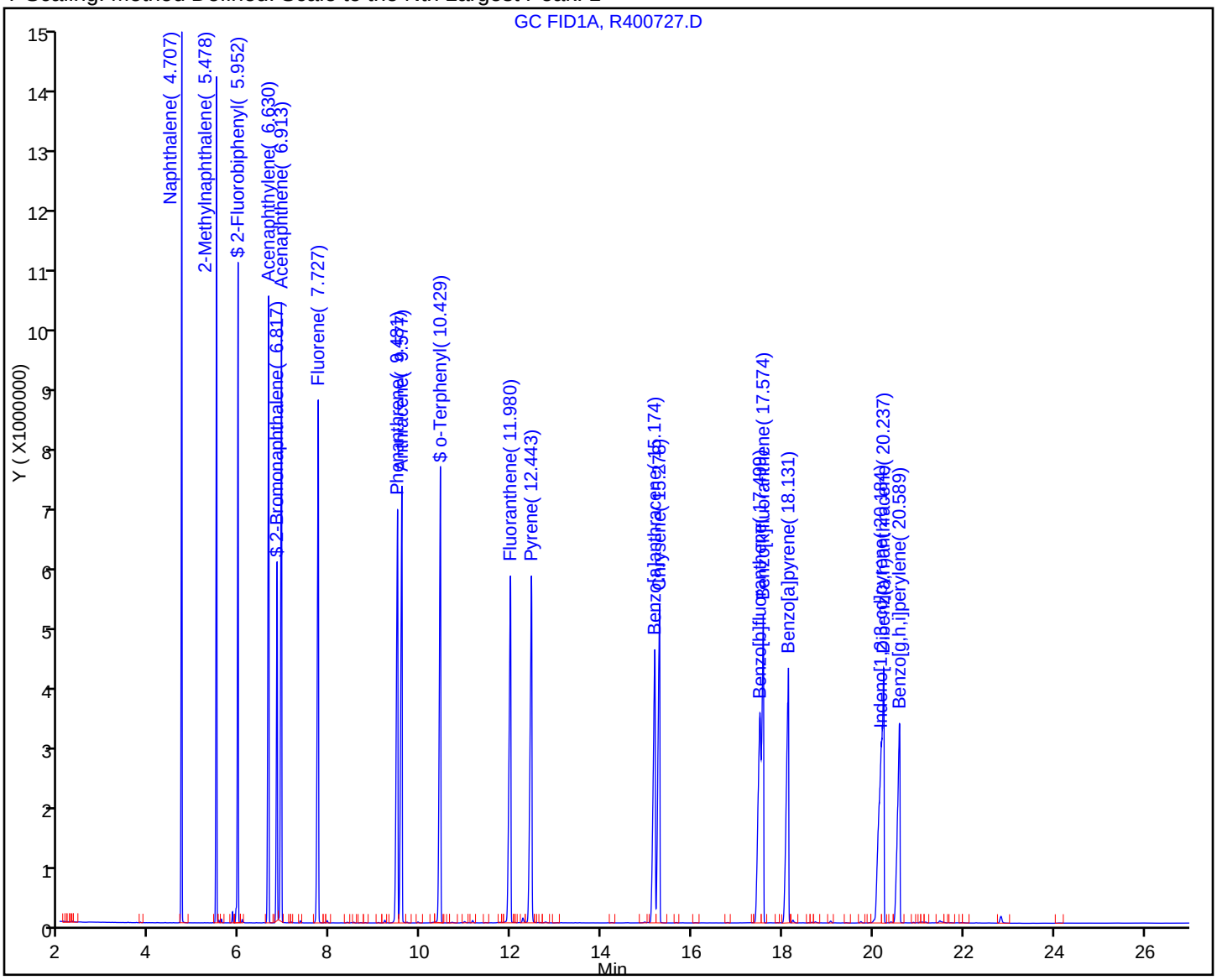
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:26 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D

Injection Date:	04-Nov-2011 19:29:41	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Report Date: 08-Nov-2011 10:47:26 Chrom Revision: 2.0 29-Sep-2011 09:38:02

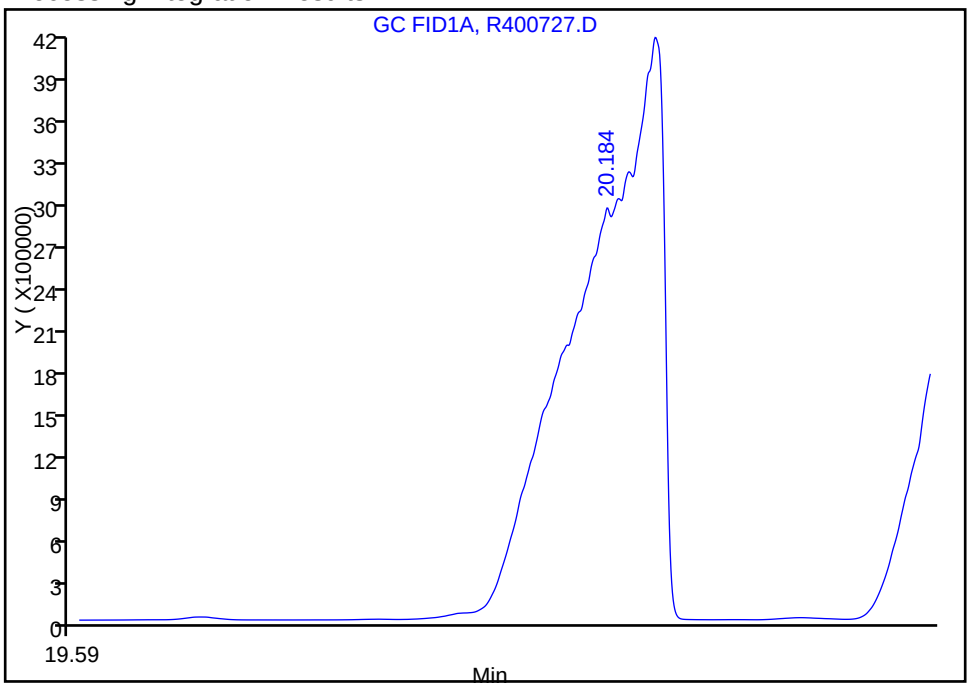
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Injection Date:	04-Nov-2011 19:29:41	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 20.14, Det: GC FID1A

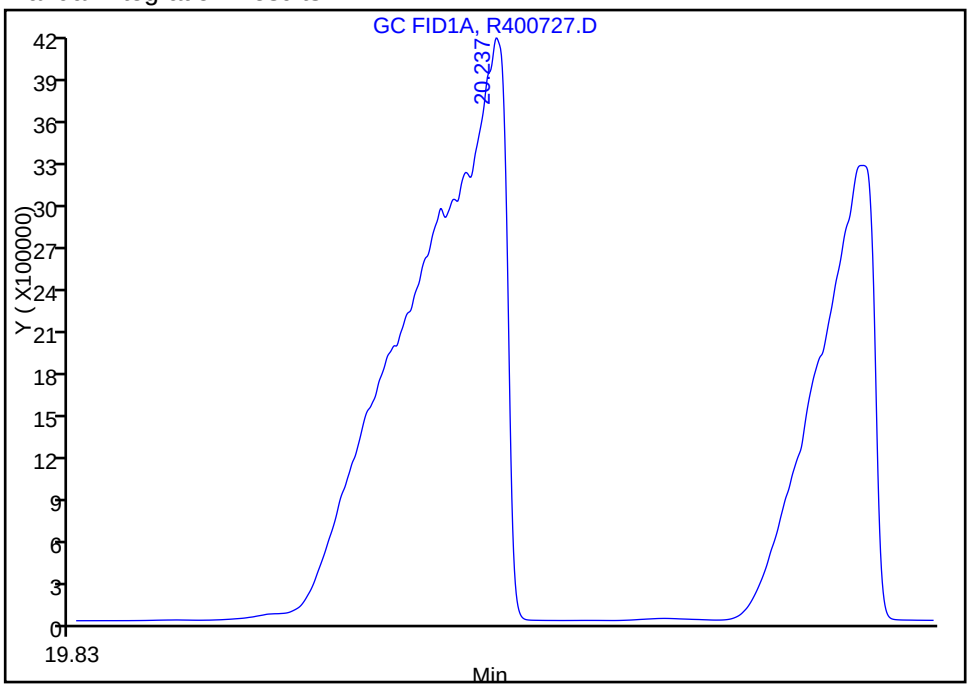
Processing Integration Results

RT: 20.18
Response: 12858055
Amount: 102.6048



Manual Integration Results

RT: 20.24
Response: 12770021
Amount: 102.2942



Reviewer: malanowskiv, 08-Nov-2011 10:09:42
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

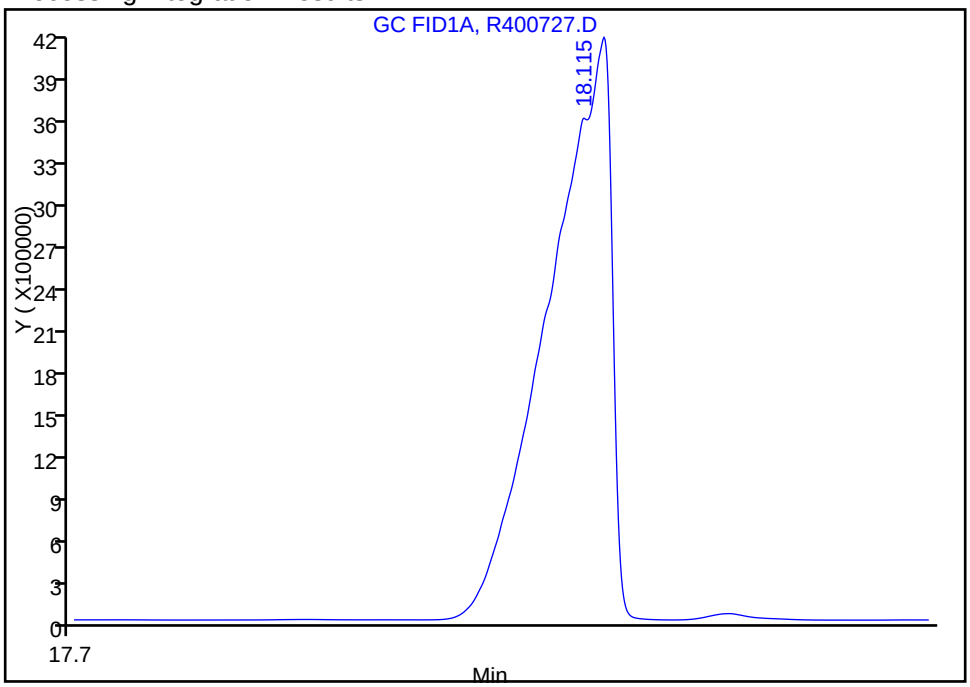
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Injection Date:	04-Nov-2011 19:29:41	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 18.04, Det: GC FID1A

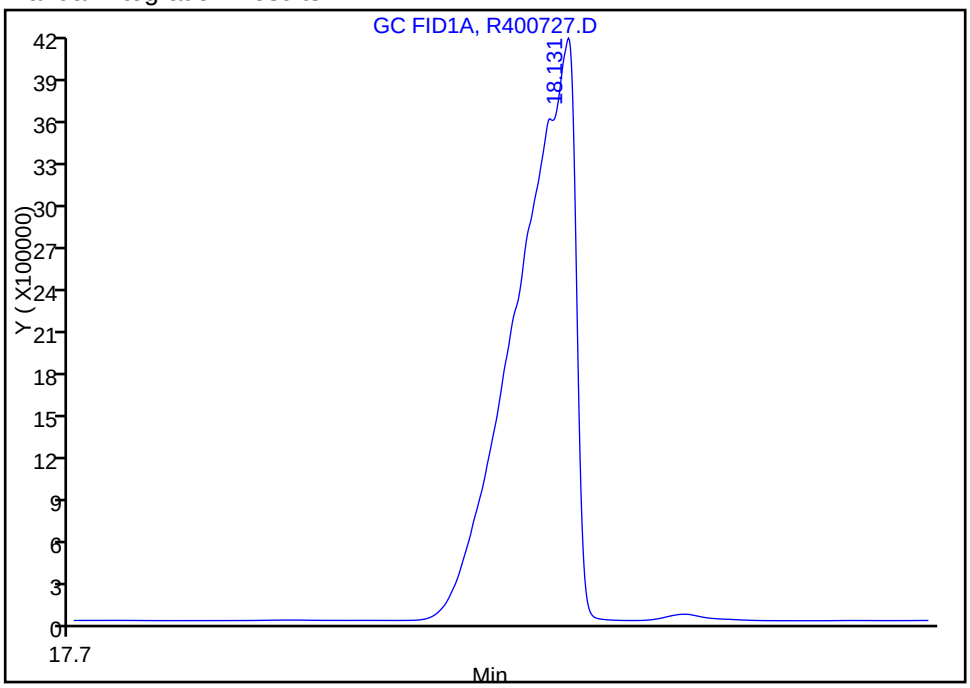
Processing Integration Results

RT: 18.11
Response: 9262129
Amount: 91.625759



Manual Integration Results

RT: 18.13
Response: 14650836
Amount: 103.4970



Reviewer: malanowskiv, 06-Nov-2011 12:29:30
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Lims ID:	std200	Client ID:	
Inject. Date:	04-Nov-2011 20:03:23	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	std200		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	82884	Lims Sample ID:	9
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:49	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.963	5.937	0.026	27219328	191.3	
$ 2 2-Bromonaphthalene						
1	6.832	6.795	0.037	18004776	191.3	
$ 3 o-Terphenyl						
1	10.450	10.396	0.054	31401850	175.7	
$ 4 1-Chlorooctadecane						
2	14.026	13.980	0.046	27871700	181.8	
5 n-Nonane						
2	3.332	3.317	0.015	35355401	197.2	
6 n-Decane						
2	4.142	4.119	0.023	36501217	183.7	
7 Naphthalene						
1	4.718	4.693	0.025	34019279	192.1	
8 2-Methylnaphthalene						
1	5.490	5.462	0.028	32899396	191.7	
9 Dodecane						
2	5.700	5.681	0.019	36255572	191.8	
11 Acenaphthylene						
1	6.646	6.606	0.040	32474003	181.6	
12 Acenaphthene						
1	6.934	6.882	0.052	32643392	183.1	
15 n-Tetradecane						
2	7.367	7.342	0.025	35180388	180.1	
14 Fluorene						
1	7.746	7.693	0.053	32103683	185.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.280	9.246	0.034	34884004	189.6	
16 Phenanthrene						
1	9.505	9.440	0.065	31316706	189.3	
17 Anthracene						
1	9.607	9.527	0.080	30036930	194.6	
20 n-Octadecane						
2	11.265	11.222	0.043	34238156	187.7	
19 Fluoranthene						
1	12.010	11.930	0.080	29525692	187.2	
22 C19						
2	12.239	12.192	0.047	33765177	190.4	
21 Pyrene						
1	12.480	12.390	0.090	30819194	183.2	
23 icosane						
2	13.185	13.135	0.050	31423185	178.7	
27 n-Docosane						
2	14.979	14.927	0.052	32476339	185.0	
24 Benzo[a]anthracene						
1	15.204	15.112	0.092	27510479	196.5	
25 Chrysene						
1	15.322	15.202	0.120	28166036	194.7	
28 n-Tetracosane						
2	16.645	16.592	0.053	32590752	182.8	
29 Benzo[b]fluoranthene						M
1	17.556	17.427	0.129	26645481	191.6	M
30 Benzo[k]fluoranthene						M
1	17.629	17.477	0.152	25896085	194.1	M
31 Benzo[a]pyrene						
1	18.175	18.042	0.133	27713144	195.9	
32 n-Hexacosane						
2	18.191	18.139	0.052	33162196	196.4	
35 n-Octacosane						
2	19.630	19.577	0.053	33519195	176.8	
36 Benzo[g,h,i]perylene						M
1	20.655	20.482	0.173	25161350	201.6	M
37 Triacontane						
2	20.977	20.918	0.059	33854159	185.7	
38 n-Hexatriacontane						M
2	25.616	25.512	0.104	27729888	181.9	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		226814494	1184.9	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		506951589	3252.1	
A 41 C19-C36 Aliphatics						
2	18.544	11.322 - 25.765		270729533	1302.8	
S 43 Total EPH						
2					2877.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 42 C11-C22 Aromatics (Adjusted)						
2					389.4	
S 44 EPH Adjustment 1						
1					2862.7	

QC Flag Legend

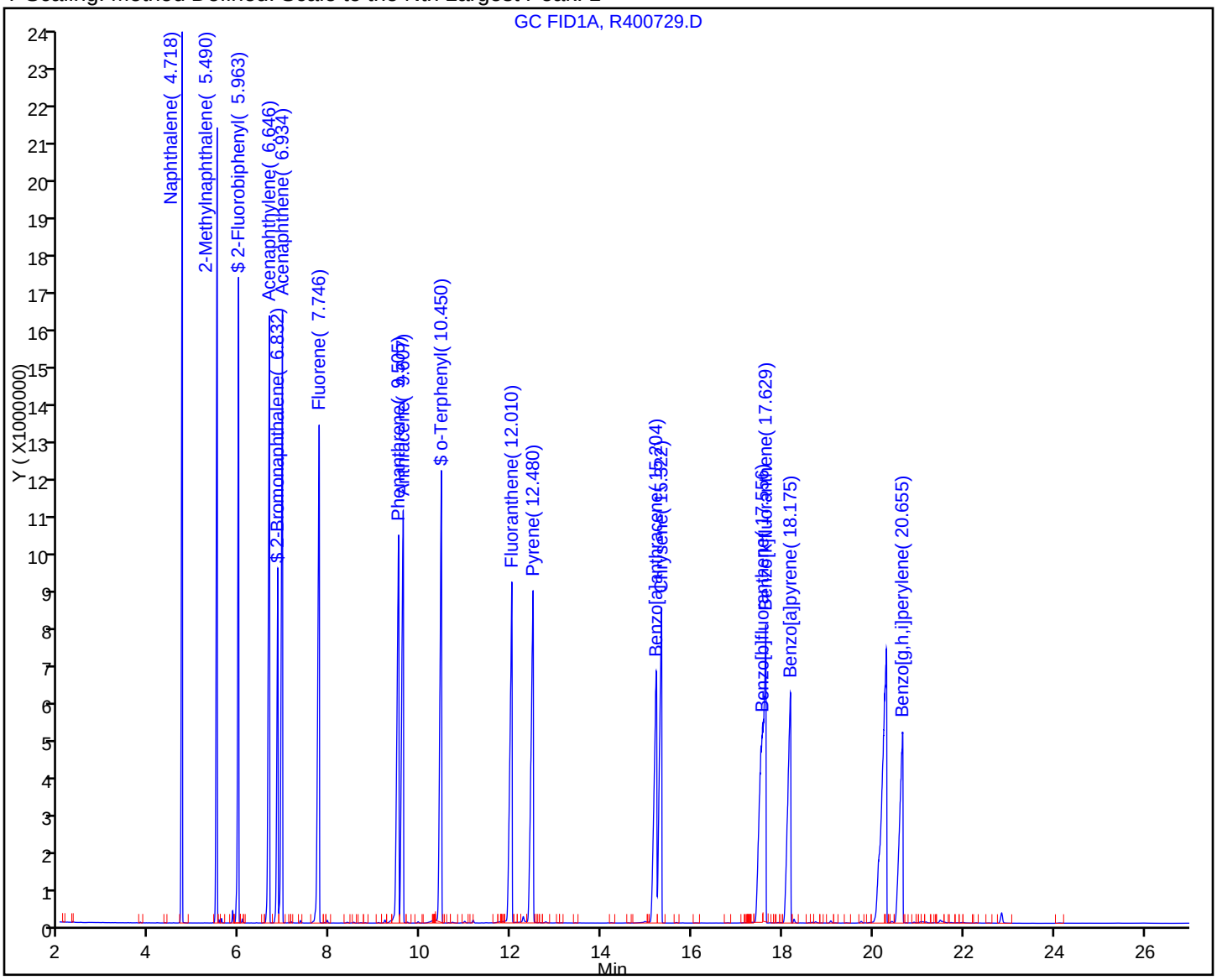
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:50 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D

Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Report Date: 08-Nov-2011 10:47:50 Chrom Revision: 2.0 29-Sep-2011 09:38:02

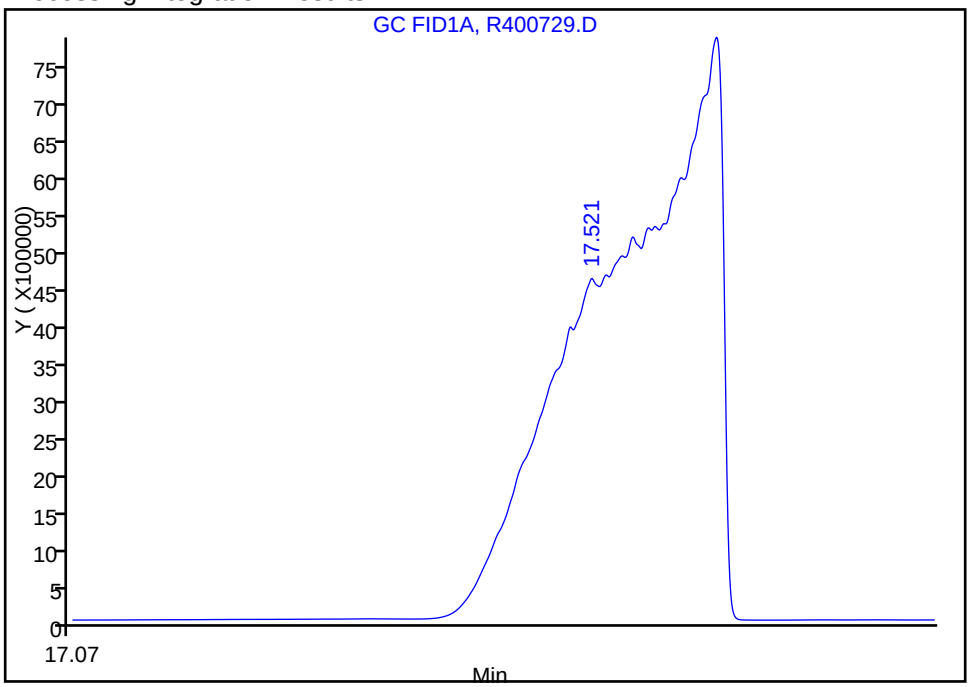
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

29 Benzo[b]fluoranthene, Signal: 1, Type: quant, RT: 17.43, Det: GC FID1A

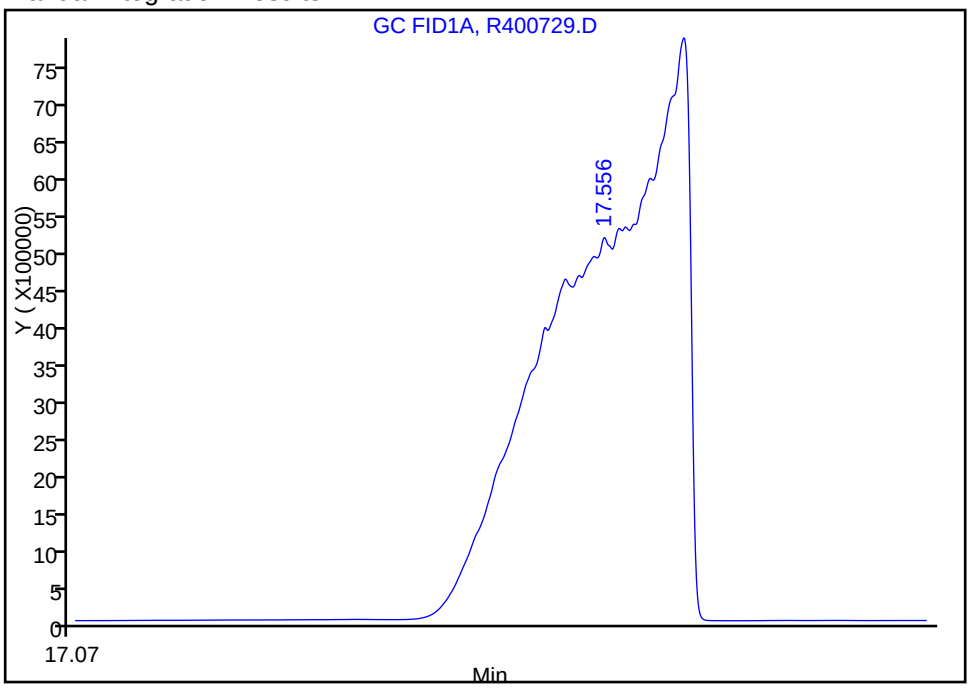
Processing Integration Results

RT: 17.52
Response: 16960952
Amount: 150.4847



Manual Integration Results

RT: 17.56
Response: 26645481
Amount: 191.6333



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 08-Nov-2011 10:47:50 Chrom Revision: 2.0 29-Sep-2011 09:38:02

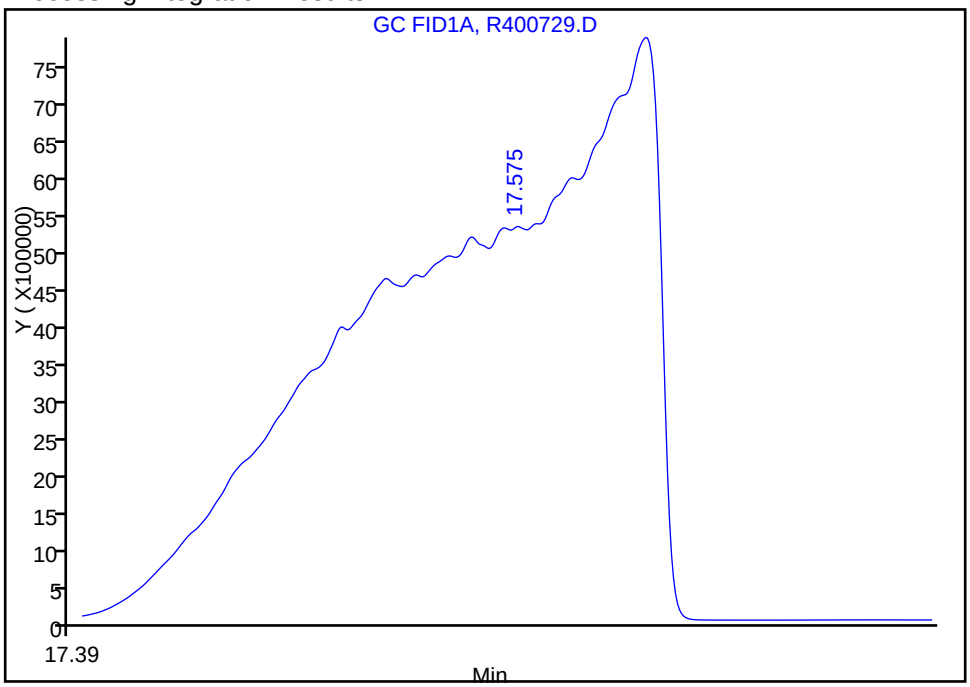
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

30 Benzo[k]fluoranthene, Signal: 1, Type: quant, RT: 17.48, Det: GC FID1A

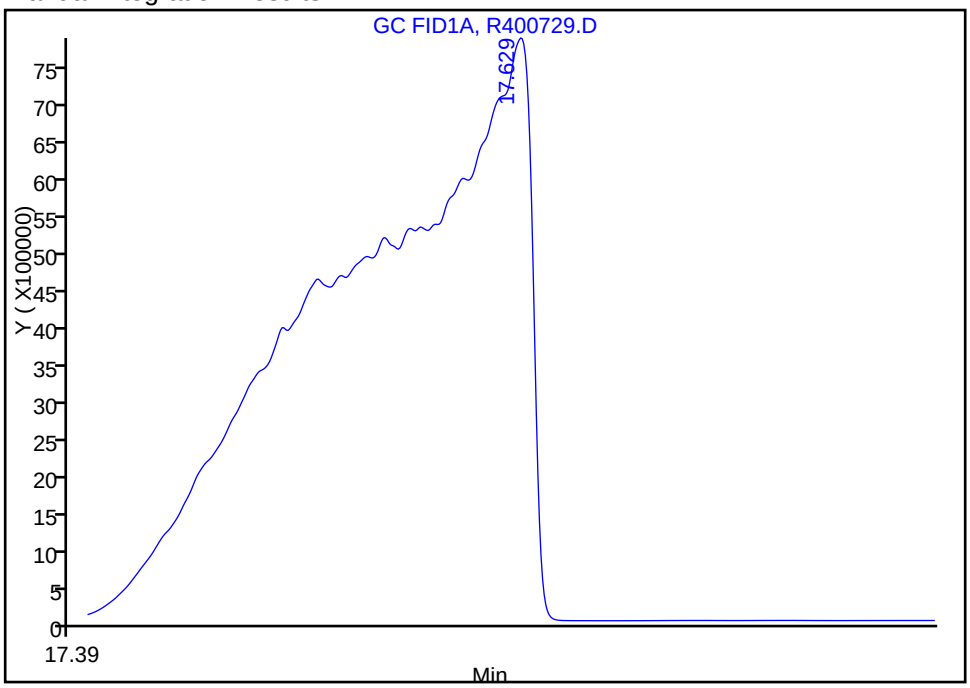
Processing Integration Results

RT: 17.57
Response: 4923532
Amount: 23.493863



Manual Integration Results

RT: 17.63
Response: 25896085
Amount: 194.0889



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Split Peak

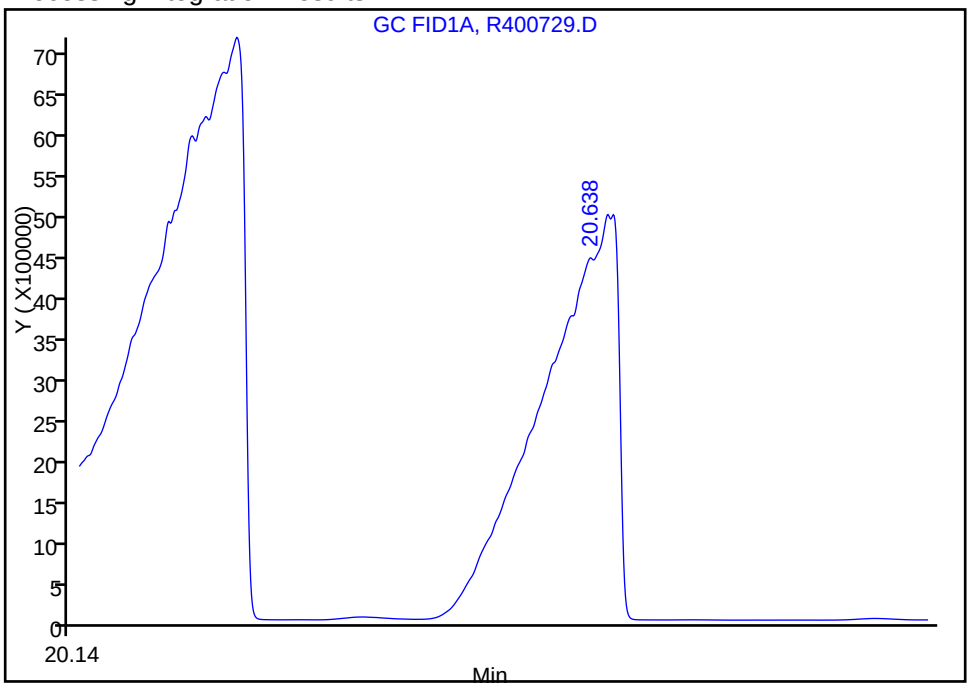
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

36 Benzo[g,h,i]perylene, Signal: 1, Type: quant, RT: 20.48, Det: GC FID1A

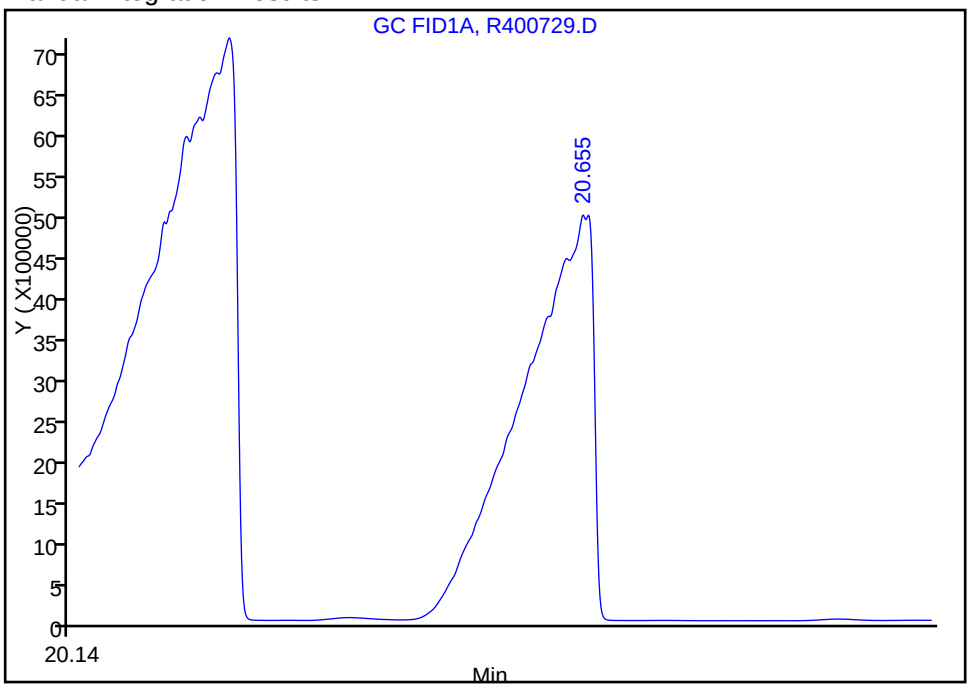
Processing Integration Results

RT: 20.64
Response: 17526649
Amount: 195.8829



Manual Integration Results

RT: 20.65
Response: 25161350
Amount: 201.5884



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 82884

SDG No.: 360-37900

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16337

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82884/2	R400713.D
Level 2	STD05 360-82884/3	R400715.D
Level 3	STD1 360-82884/4	R400717.D
Level 4	STD5 360-82884/5	R400719.D
Level 5	STD10 360-82884/6	R400721.D
Level 6	STD25 360-82884/7	R400723.D
Level 7	STD50 360-82884/1	R400725.D
Level 8	STD100 360-82884/8	R400727.D
Level 9	STD200 360-82884/9	R400729.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8	LVL 9		RT WINDOW	AVG RT
n-Nonane	3.315	3.316	3.316	3.317	3.317	3.318	3.322	3.327	3.332		3.217 - 3.417	3.320
n-Decane	4.118	4.119	4.120	4.119	4.121	4.122	4.127	4.132	4.142		4.019 - 4.219	4.124
Dodecane	5.681	5.681	5.681	5.681	5.682	5.683	5.687	5.692	5.700		5.581 - 5.781	5.685
C9-C18 Aliphatics				7.278	7.269	7.269	7.278	7.269	7.269		3.217 - 11.322	7.272
n-Tetradecane	7.340	7.344	7.341	7.342	7.343	7.345	7.350	7.355	7.367		7.242 - 7.442	7.347
Hexadecane	9.246	9.246	9.245	9.246	9.246	9.251	9.255	9.266	9.280		9.146 - 9.346	9.253
n-Octadecane	11.223	11.225	11.221	11.222	11.223	11.230	11.235	11.246	11.265		11.122 - 11.322	11.232
C19	12.189	12.192	12.191	12.192	12.194	12.198	12.205	12.217	12.239		12.092 - 12.292	12.202
icosane	13.133	13.135	13.133	13.135	13.136	13.142	13.148	13.163	13.185		13.035 - 13.235	13.146
n-Docosane	14.928	14.930	14.925	14.927	14.928	14.935	14.942	14.959	14.979		14.827 - 15.027	14.939
n-Tetracosane	16.593	16.593	16.591	16.592	16.594	16.600	16.607	16.623	16.645		16.492 - 16.692	16.604
n-Hexacosane	18.139	18.139	18.134	18.139	18.138	18.147	18.155	18.171	18.191		18.039 - 18.239	18.150
C19-C36 Aliphatics				18.538	18.544	18.544	18.564	18.544	18.544		11.322 - 25.765	18.546
n-Octacosane	19.577	19.575	19.576	19.577	19.579	19.583	19.592	19.607	19.630		19.477 - 19.677	19.588
Triacontane	20.919	20.916	20.914	20.918	20.920	20.926	20.937	20.954	20.977		20.818 - 21.018	20.931
n-Hexatriacontane	25.486	25.515	25.510	25.512	25.519	25.527	25.541	25.568	25.616		25.412 - 25.612	25.533
1-Chlorooctadecane	13.977	13.980	13.979	13.980	13.981	13.984	13.993	14.007	14.026		13.880 - 14.080	13.990

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 82884

SDG No.: 360-37900

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16337

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82884/2	R400713.D
Level 2	STD05 360-82884/3	R400715.D
Level 3	STD1 360-82884/4	R400717.D
Level 4	STD5 360-82884/5	R400719.D
Level 5	STD10 360-82884/6	R400721.D
Level 6	STD25 360-82884/7	R400723.D
Level 7	STD50 360-82884/1	R400725.D
Level 8	STD100 360-82884/8	R400727.D
Level 9	STD200 360-82884/9	R400729.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
n-Nonane	456890 180909 176777	189006 175094	191340 185909	201737 182111	Lin1	24457.3774	179183.947							0.9990		0.9900
n-Decane	275030 186612 182506	177902 180153	198910 191207	208092 187966	Ave		198708.609				15.0		25.0			
Dodecane	214020 185272 181278	163898 179132	193561 191166	206428 186615	Ave		189041.031				7.9		25.0			
C9-C18 Aliphatics	 276760 189012	238121	228490	442927 194061	Lin1	7327623.85	185232.509							0.9970		0.9900
n-Tetradecane	288680 180416 175902	173352 175106	195113 186465	201806 180729	Ave		195285.459				19.0		25.0			
Hexadecane	219240 178381 174420	158842 172982	188032 185363	199426 178834	Ave		183946.688				9.4		25.0			
n-Octadecane	225440 175195 171191	158126 170837	186018 182747	196246 175799	Ave		182399.936				11.0		25.0			
C19	206050 172327 168826	153526 168155	181606 180103	192576 173084	Ave		177361.527				8.6		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 82884

SDG No.: 360-37900

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16337

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
icosane	221480 171834 157116	152042 165404	179530 178284	190162 166394	Ave		175805.081				12.0		25.0			
n-Docosane	214730 170775 162382	155450 166205	181581 173760	191565 163604	Ave		175561.298				10.0		25.0			
n-Tetracosane	232280 169594 162954	155662 166261	185952 174453	190948 166669	Ave		178308.128				13.0		25.0			
n-Hexacosane	328970 170775 165811	168958 168136	196881 178366	193968 169758	Lin1	16630.0871	168799.658							0.9990		0.9900
C19-C36 Aliphatics	217612 169206	200356	188987	295500 175182	Ave		207807.208				22.0		25.0			
n-Octacosane	298340 170364 167596	164868 168860	195174 177827	192946 170779	Ave		189639.377				22.0		25.0			
Triacontane	249730 170041 169271	155850 167432	186927 177735	191570 171923	Ave		182275.375				15.0		25.0			
n-Hexatriacontane	184440 147636 138649	160840 141465	158822 138648	163305 138515	Ave		152480.161				10.0		25.0			
1-Chlorooctadecane	191770 149364 139359	133362 145671	157720 153388	167191 142269	Ave		153343.623				11.0		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 82884

SDG No.: 360-37900

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16337

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82884/2	R400713.D
Level 2	STD05 360-82884/3	R400715.D
Level 3	STD1 360-82884/4	R400717.D
Level 4	STD5 360-82884/5	R400719.D
Level 5	STD10 360-82884/6	R400721.D
Level 6	STD25 360-82884/7	R400723.D
Level 7	STD50 360-82884/1	R400725.D
Level 8	STD100 360-82884/8	R400727.D
Level 9	STD200 360-82884/9	R400729.D

ANALYTE	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-Nonane	Lin1	45689 4377354	94503 9295434	191340 18211050	1008687 35355401	1809092	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Decane	Ave	27503 4503826	88951 9560336	198910 18796584	1040458 36501217	1866122	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Dodecane	Ave	21402 4478288	81949 9558276	193561 18661498	1032141 36255572	1852722	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C9-C18 Aliphatics	Lin1	 35718196	 68546958	 116436741	13287798 226814494	16605628	 150	 300	 600	30.0 1200	60.0
n-Tetradecane	Ave	28868 4377639	86676 9323243	195113 18072917	1009032 35180388	1804162	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Hexadecane	Ave	21924 4324561	79421 9268169	188032 17883375	997130 34884004	1783806	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Octadecane	Ave	22544 4270937	79063 9137355	186018 17579906	981231 34238156	1751948	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C19	Ave	20605 4203875	76763 9005170	181606 17308446	962882 33765177	1723266	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
icosane	Ave	22148 4135090	76021 8914211	179530 16639428	950809 31423185	1718339	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Docosane	Ave	21473 4155128	77725 8687987	181581 16360413	957825 32476339	1707750	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Tetracosane	Ave	23228 4156516	77831 8722666	185952 16666913	954740 32590752	1695943	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Hexacosane	Lin1	32897 4203409	84479 8918317	196881 16975846	969840 33162196	1707752	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C19-C36 Aliphatics	Ave	 40071233	 75594611	 140145386	11820018 270729533	17408993	 200	 400	 800	40.0 1600	80.0
n-Octacosane	Ave	29834 4221496	82434 8891374	195174 17077930	964729 33519195	1703640	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37900-1 Analy Batch No.: 82884

SDG No.: 360-37900

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16337

ANALYTE	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
Triacontane	Ave	24973 4185801	77925 8886731	186927 17192252	957852 33854159	1700410	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Hexatriacontane	Ave	18444 3536636	80420 6932405	158822 13851517	816525 27729888	1476363	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
1-Chlorooctadecane	Ave	19177 3641764	66681 7669384	157720 14226897	835953 27871700	1493643	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D		
Lims ID:	std50	Client ID:	
Inject. Date:	04-Nov-2011 18:55:49	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	7
Sample ID:	std50		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	82884	Lims Sample ID:	1
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:40:24	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.944	5.944	0.000	7170019	53.5	
$ 2 2-Bromonaphthalene						
1	6.805	6.805	0.000	4779655	53.9	
$ 3 o-Terphenyl						
1	10.413	10.413	0.000	8717574	48.8	
$ 4 1-Chlorooctadecane						
2	13.993	13.993	0.000	7669384	50.0	
5 n-Nonane						
2	3.322	3.322	0.000	9295434	51.7	
6 n-Decane						
2	4.127	4.127	0.000	9560336	48.1	
7 Naphthalene						
1	4.700	4.700	0.000	9168968	51.8	
8 2-Methylnaphthalene						
1	5.470	5.470	0.000	8876927	51.7	
9 Dodecane						
2	5.687	5.687	0.000	9558276	50.6	
11 Acenaphthylene						
1	6.618	6.618	0.000	8785393	49.1	
12 Acenaphthene						
1	6.897	6.897	0.000	8820338	49.5	
15 n-Tetradecane						
2	7.350	7.350	0.000	9323243	47.7	
14 Fluorene						
1	7.711	7.711	0.000	8706313	50.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.255	9.255	0.000	9268169	50.4	
16 Phenanthrene						
1	9.462	9.462	0.000	8306539	50.2	
17 Anthracene						
1	9.554	9.554	0.000	8160943	52.8	
20 n-Octadecane						
2	11.235	11.235	0.000	9137355	50.1	
19 Fluoranthene						
1	11.957	11.957	0.000	7972047	50.5	
22 C19						
2	12.205	12.205	0.000	9005170	50.8	
21 Pyrene						
1	12.420	12.420	0.000	8369046	49.7	
23 icosane						
2	13.148	13.148	0.000	8914211	50.7	
27 n-Docosane						
2	14.942	14.942	0.000	8687987	49.5	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	7335836	52.3	
25 Chrysene						
1	15.245	15.245	0.000	7654542	52.8	
28 n-Tetracosane						
2	16.607	16.607	0.000	8722666	48.9	
29 Benzo[b]fluoranthene						
1	17.472	17.472	0.000	7176927	51.6	
30 Benzo[k]fluoranthene						
1	17.534	17.534	0.000	7420303	55.3	
31 Benzo[a]pyrene						
1	18.090	18.090	0.000	7396842	52.2	
32 n-Hexacosane						
2	18.155	18.155	0.000	8918317	52.7	
35 n-Octacosane						
2	19.592	19.592	0.000	8891374	46.9	
33 Indeno[1,2,3-cd]pyrene						
1	20.126	20.126	0.000	6798127	53.0	
34 Dibenz(a,h)anthracene						
1	20.196	20.196	0.000	6258006	50.0	
36 Benzo[g,h,i]perylene						
1	20.545	20.545	0.000	6392453	51.1	
37 Triacontane						
2	20.937	20.937	0.000	8886731	48.8	
38 n-Hexatriacontane						M
2	25.541	25.541	0.000	6932405	45.5	M
A 39 C9-C18 Aliphatics						
2	7.278	3.222 - 11.335		68546958	330.5	
A 40 C11-C22 Aromatics						
1	12.771	4.600 - 20.986		136971940	379.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.564	11.335	-25.742	75594611	363.8	
S 44 EPH Adjustment 1						
1					771.0	
S 42 C11-C22 Aromatics (Adjusted)						
2					107.6	
S 43 Total EPH						
2					801.9	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:40:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D

Injection Date:	04-Nov-2011 18:55:49	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	1
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Nov-2011 10:40:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02

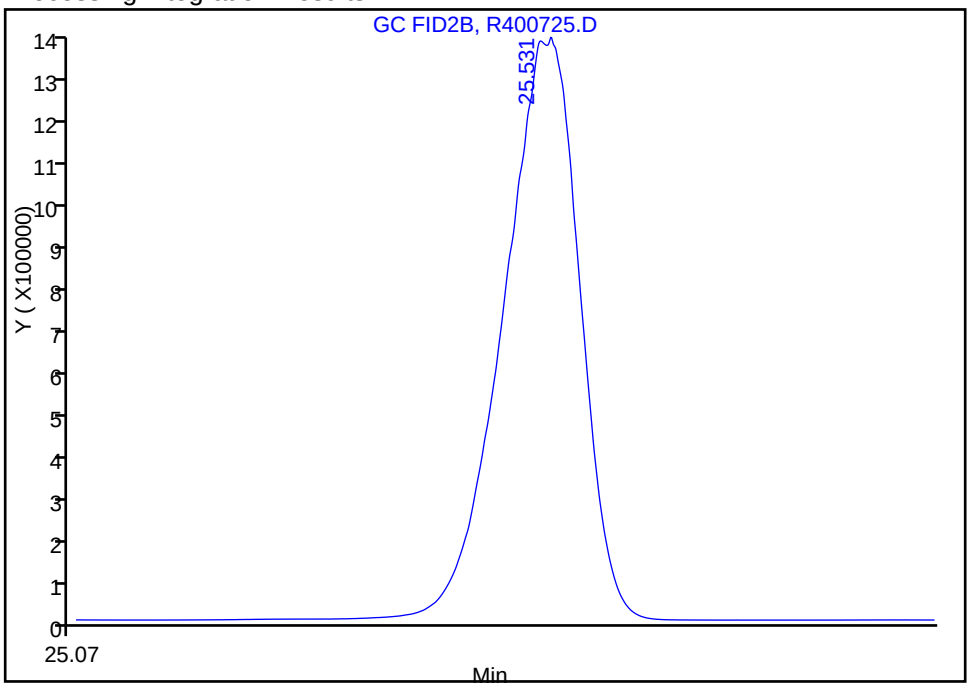
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D		
Injection Date:	04-Nov-2011 18:55:49	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	1
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.54, Det: GC FID2B

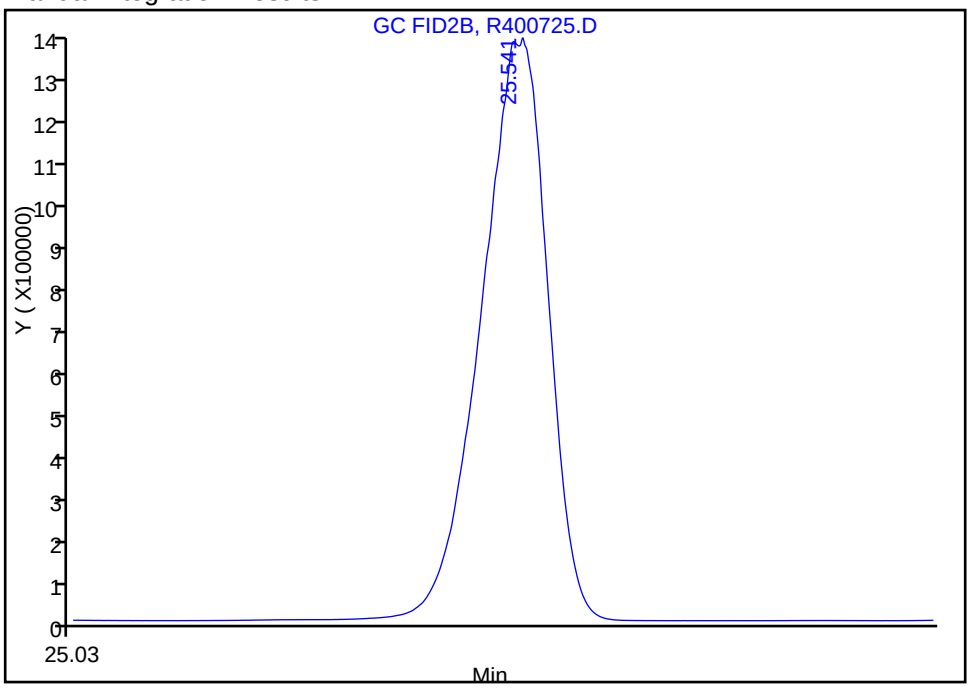
Processing Integration Results

RT: 25.53
Response: 1015796
Amount: 10.444685



Manual Integration Results

RT: 25.54
Response: 6932405
Amount: 45.464308



Reviewer: malanowskiv, 06-Nov-2011 11:58:13
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Lims ID:	std01	Client ID:	
Inject. Date:	04-Nov-2011 15:33:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	std01		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	82884	Lims Sample ID:	2
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:38:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	18282	0.1781	
$ 2 2-Bromonaphthalene						
1	6.797	6.807	-0.010	11706	0.1714	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	25354	0.1419	
$ 4 1-Chlorooctadecane						
2	13.977	13.989	-0.012	19177	0.1251	
5 n-Nonane						
2	3.315	3.320	-0.005	45689	0.1185	
6 n-Decane						
2	4.118	4.125	-0.007	27503	0.1384	
7 Naphthalene						
1	4.694	4.701	-0.007	19532	0.1103	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	18000	0.1049	
9 Dodecane						M
2	5.681	5.685	-0.004	21402	0.1132	M
11 Acenaphthylene						
1	6.604	6.620	-0.016	24837	0.1389	
12 Acenaphthene						
1	6.881	6.900	-0.019	23043	0.1293	
15 n-Tetradecane						
2	7.340	7.345	-0.005	28868	0.1478	
14 Fluorene						
1	7.695	7.711	-0.016	18975	0.1097	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	21924	0.1192	
16 Phenanthrene						
1	9.440	9.463	-0.023	21489	0.1299	
17 Anthracene						
1	9.531	9.555	-0.024	32084	0.1001	
20 n-Octadecane						
2	11.223	11.231	-0.008	22544	0.1236	
19 Fluoranthene						
1	11.927	11.959	-0.032	19850	0.1258	
22 C19						
2	12.189	12.202	-0.013	20605	0.1162	
21 Pyrene						
1	12.388	12.421	-0.033	20413	0.1213	
23 icosane						
2	13.133	13.145	-0.012	22148	0.1260	
27 n-Docosane						
2	14.928	14.940	-0.012	21473	0.1223	
24 Benzo[a]anthracene						
1	15.116	15.147	-0.031	27383	0.1182	
25 Chrysene						
1	15.203	15.245	-0.042	28963	0.0916	
28 n-Tetracosane						
2	16.593	16.605	-0.012	23228	0.1303	
29 Benzo[b]fluoranthene						
1	17.434	17.471	-0.037	29625	0.1247	
30 Benzo[k]fluoranthene						
1	17.473	17.537	-0.064	80561	0.1598	
31 Benzo[a]pyrene						
1	18.044	18.091	-0.047	28735	0.1087	
32 n-Hexacosane						
2	18.139	18.150	-0.011	32897	0.0964	
35 n-Octacosane						
2	19.577	19.586	-0.009	29834	0.1573	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.124	-0.051	40698	0.1742	
34 Dibenz(a,h)anthracene						
1	20.141	20.237	-0.096	38971	0.1495	
36 Benzo[g,h,i]perylene						
1	20.473	20.473	0.000	41002	0.1722	
37 Triacontane						
2	20.919	20.932	-0.013	24973	0.1370	
38 n-Hexatriacontane						M
2	25.486	25.525	-0.039	18444	0.1210	M
S 43 Total EPH						
2					-1.85	
S 42 C11-C22 Aromatics (Adjusted)						
2					1.85	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					1.85	

QC Flag Legend

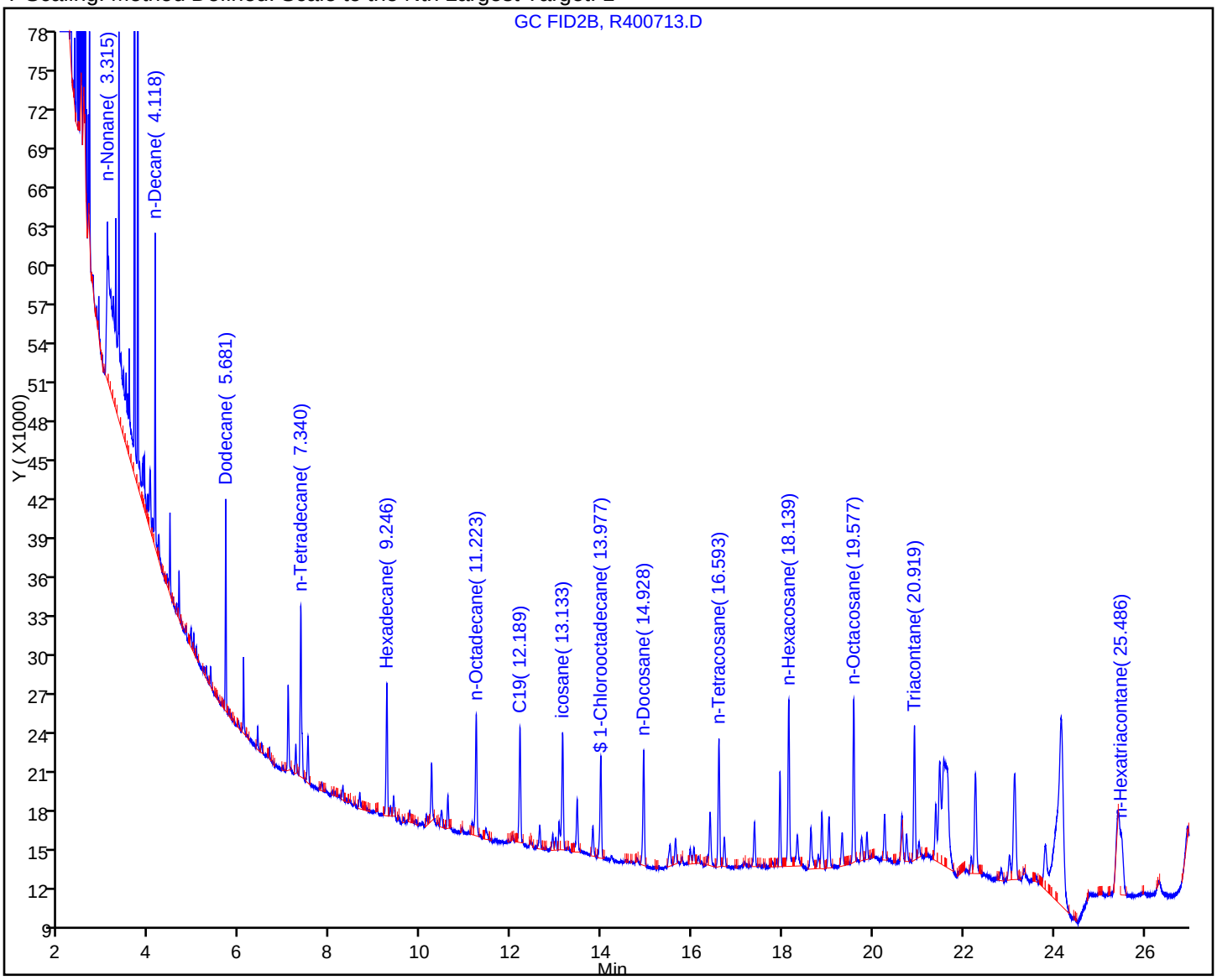
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:38:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D

Injection Date:	04-Nov-2011 15:33:45	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Nov-2011 10:38:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02

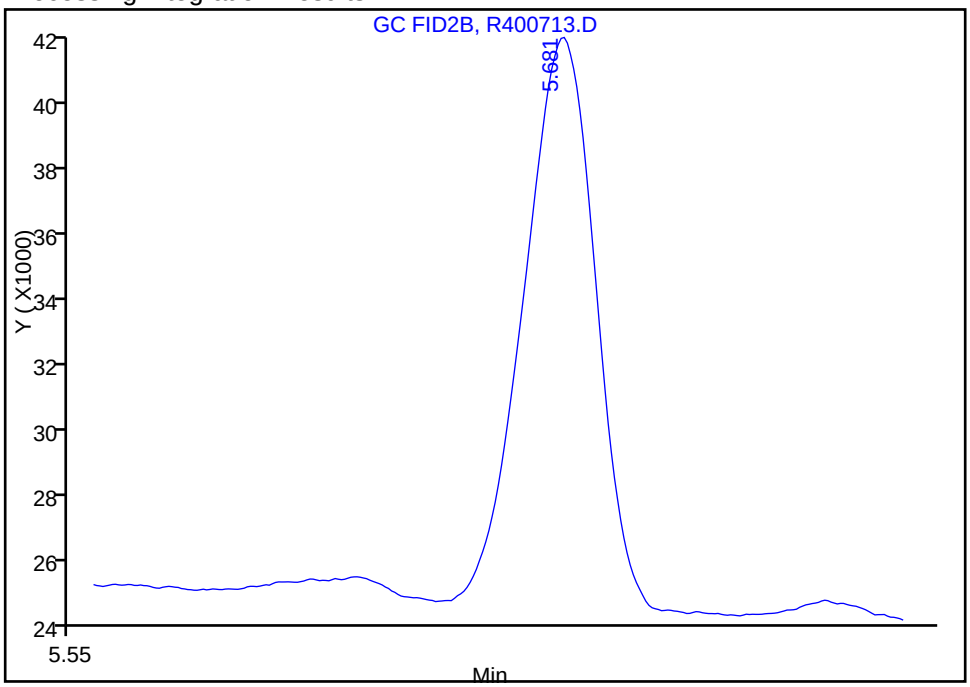
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Injection Date:	04-Nov-2011 15:33:45	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	1.00 ul

9 Dodecane, Signal: 1, Type: quant, RT: 5.68, Det: GC FID2B

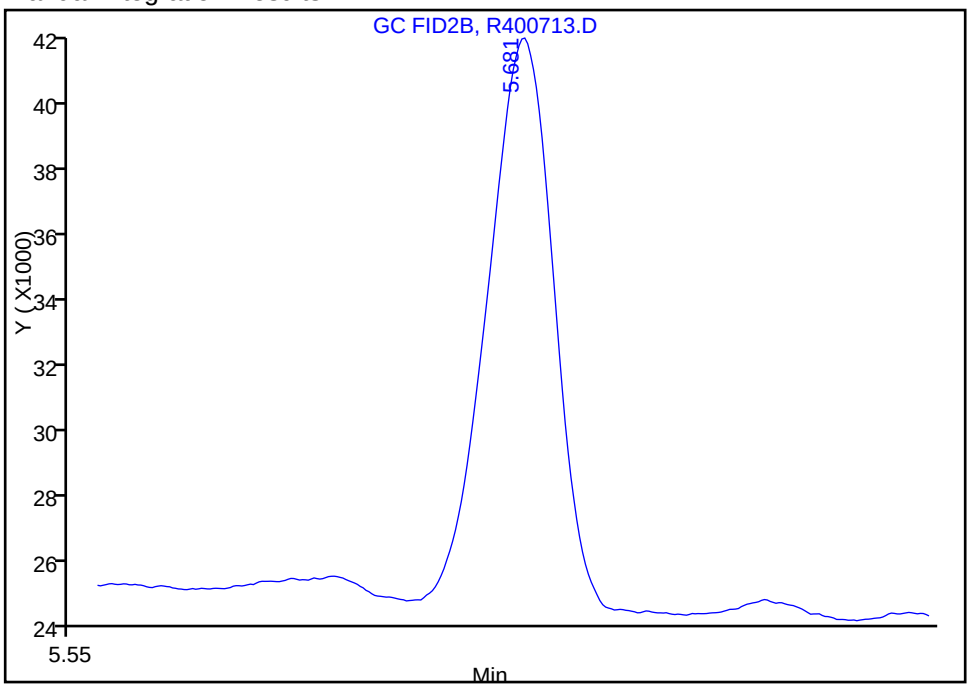
Processing Integration Results

RT: 5.68
Response: 12195
Amount: 0.100000



Manual Integration Results

RT: 5.68
Response: 21402
Amount: 0.113214



Reviewer: malanowskiv, 06-Nov-2011 12:03:33
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:38:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02

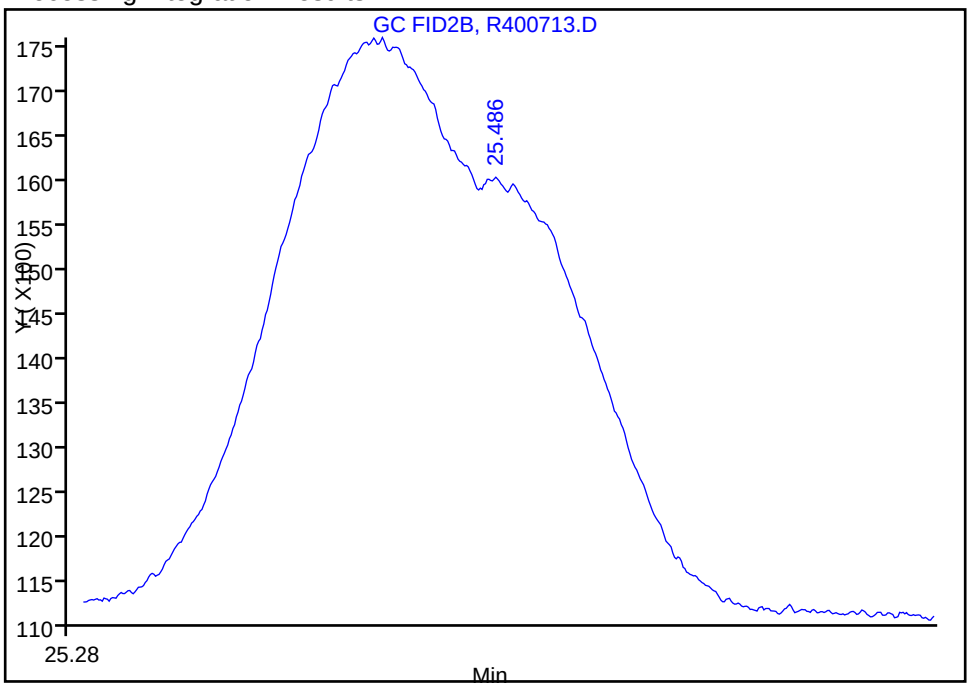
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Injection Date:	04-Nov-2011 15:33:45	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

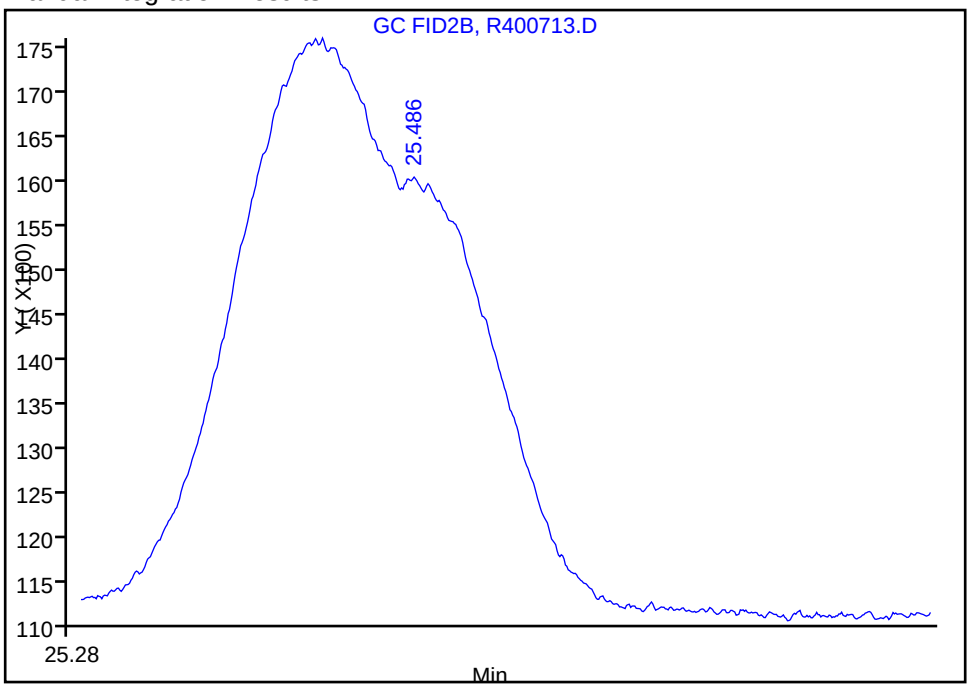
Processing Integration Results

RT: 25.49
Response: 265
Amount: 0.046840



Manual Integration Results

RT: 25.49
Response: 18444
Amount: 0.120960



Reviewer: malanowskiv, 06-Nov-2011 12:03:50
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Lims ID:	std05	Client ID:	
Inject. Date:	04-Nov-2011 16:07:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	std05		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	82884	Lims Sample ID:	3
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:21	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:21

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	74812	0.6280	
$ 2 2-Bromonaphthalene						
1	6.795	6.807	-0.012	47825	0.6068	
$ 3 o-Terphenyl						
1	10.392	10.414	-0.022	96457	0.5397	
$ 4 1-Chlorooctadecane						
2	13.980	13.989	-0.009	66681	0.4348	
5 n-Nonane						
2	3.316	3.320	-0.004	94503	0.3909	
6 n-Decane						
2	4.119	4.125	-0.006	88951	0.4476	
7 Naphthalene						
1	4.694	4.701	-0.007	96134	0.5429	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	96856	0.5644	
9 Dodecane						M
2	5.681	5.685	-0.004	81949	0.4335	M
11 Acenaphthylene						
1	6.605	6.620	-0.015	97461	0.5449	
12 Acenaphthene						
1	6.882	6.900	-0.018	97425	0.5465	
15 n-Tetradecane						
2	7.344	7.345	-0.001	86676	0.4438	
14 Fluorene						
1	7.693	7.711	-0.018	101986	0.5896	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	79421	0.4318	
16 Phenanthrene						
1	9.439	9.463	-0.024	86158	0.5207	
17 Anthracene						
1	9.527	9.555	-0.028	93698	0.4994	
20 n-Octadecane						
2	11.225	11.231	-0.006	79063	0.4335	
19 Fluoranthene						
1	11.928	11.959	-0.031	83895	0.5318	
22 C19						
2	12.192	12.202	-0.010	76763	0.4328	
21 Pyrene						
1	12.389	12.421	-0.032	92906	0.5522	
23 icosane						
2	13.135	13.145	-0.010	76021	0.4324	
27 n-Docosane						
2	14.930	14.940	-0.010	77725	0.4427	
24 Benzo[a]anthracene						
1	15.114	15.147	-0.033	77608	0.4771	
25 Chrysene						
1	15.204	15.245	-0.041	92076	0.5282	
28 n-Tetracosane						
2	16.593	16.605	-0.012	77831	0.4365	
29 Benzo[b]fluoranthene						
1	17.430	17.471	-0.041	77826	0.4715	
30 Benzo[k]fluoranthene						
1	17.479	17.537	-0.058	96820	0.2820	
31 Benzo[a]pyrene						M
1	18.044	18.091	-0.047	87255	0.5225	M
32 n-Hexacosane						
2	18.139	18.150	-0.011	84479	0.4019	
35 n-Octacosane						
2	19.575	19.586	-0.011	82434	0.4347	
33 Indeno[1,2,3-cd]pyrene						
1	20.072	20.124	-0.052	64477	0.3601	
34 Dibenz(a,h)anthracene						M
1	20.145	20.237	-0.092	71105	0.4073	M
36 Benzo[g,h,i]perylene						
1	20.478	20.473	0.005	64698	0.3622	
37 Triacontane						
2	20.916	20.932	-0.016	77925	0.4275	
38 n-Hexatriacontane						
2	25.515	25.525	-0.010	80420	0.5274	
S 44 EPH Adjustment 1						
1					7.54	
S 42 C11-C22 Aromatics (Adjusted)						
2					7.54	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 43 Total EPH						
2					-7.54	

QC Flag Legend

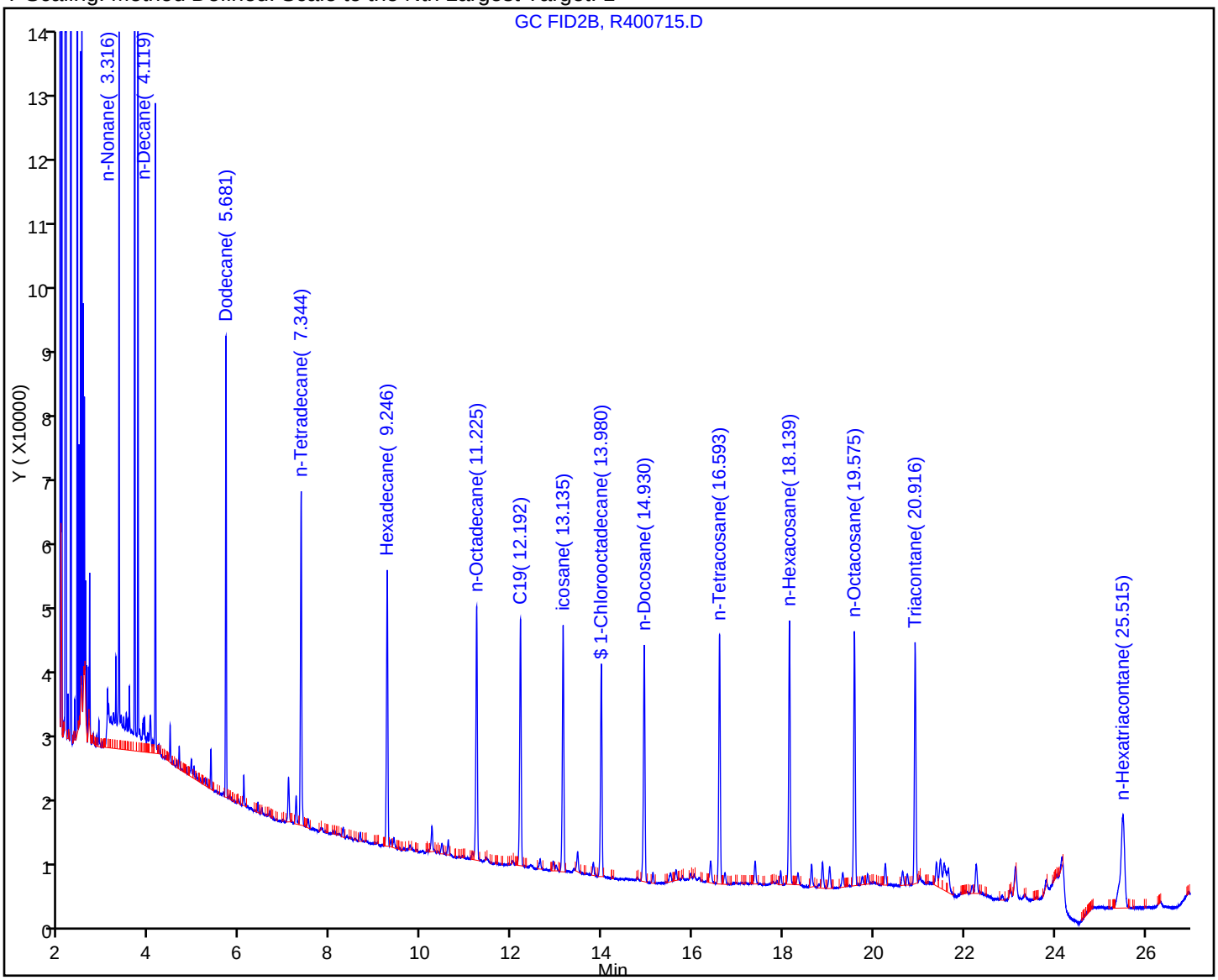
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D

Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Nov-2011 10:39:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

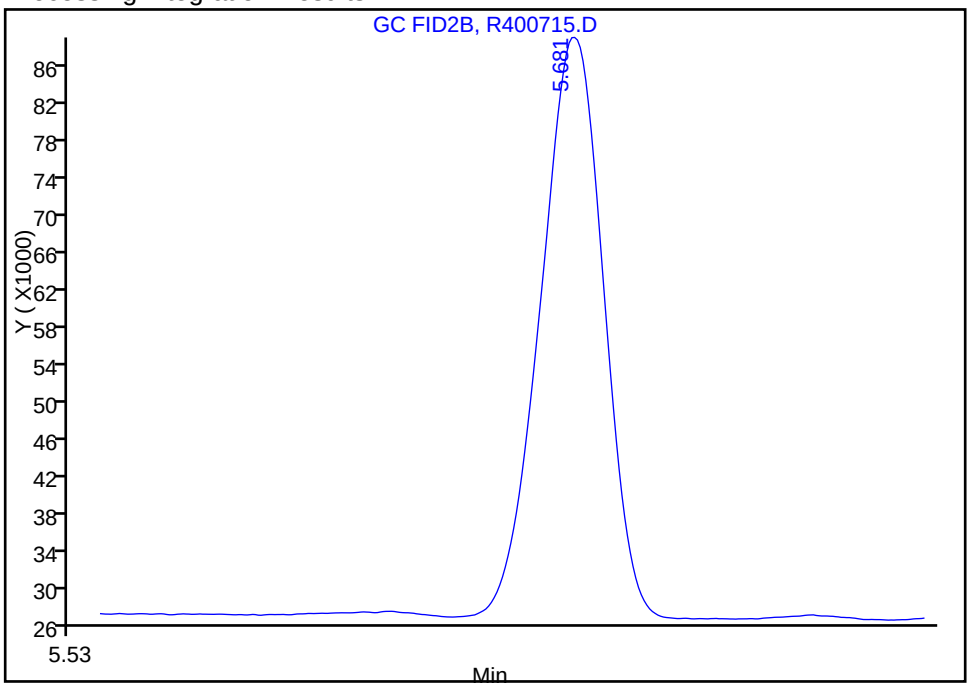
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

9 Dodecane, Signal: 1, Type: quant, RT: 5.68, Det: GC FID2B

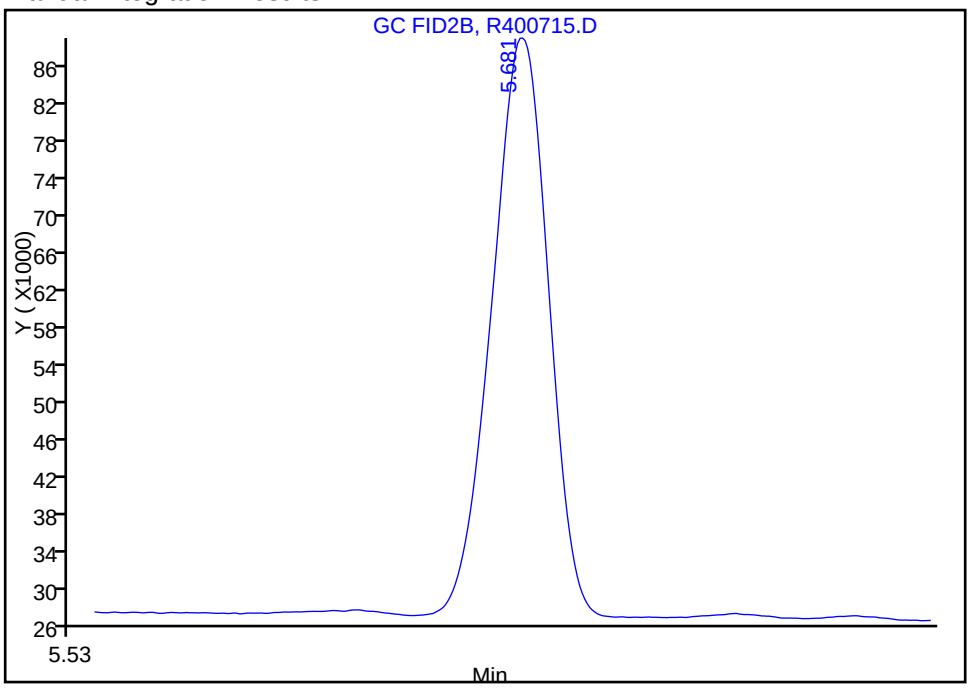
Processing Integration Results

RT: 5.68
Response: 44071
Amount: 0.265476



Manual Integration Results

RT: 5.68
Response: 81949
Amount: 0.433498



Reviewer: malanowskiv, 06-Nov-2011 12:05:21
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Lims ID:	std1	Client ID:	
Inject. Date:	04-Nov-2011 16:41:15	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	std1		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	82884	Lims Sample ID:	4
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:43	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:30

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.936	5.946	-0.010	136417	1.02	
$ 2 2-Bromonaphthalene						
1	6.794	6.807	-0.013	90928	1.02	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	178742	1.00	
$ 4 1-Chlorooctadecane						
2	13.979	13.989	-0.010	157720	1.03	
5 n-Nonane						
2	3.316	3.320	-0.004	191340	0.9313	
6 n-Decane						
2	4.120	4.125	-0.005	198910	1.00	
7 Naphthalene						
1	4.694	4.701	-0.007	174008	0.9827	
8 2-Methylnaphthalene						
1	5.461	5.471	-0.010	172711	1.01	
9 Dodecane						
2	5.681	5.685	-0.004	193561	1.02	
11 Acenaphthylene						
1	6.604	6.620	-0.016	173931	0.9724	
12 Acenaphthene						
1	6.881	6.900	-0.019	182766	1.03	
15 n-Tetradecane						
2	7.341	7.345	-0.004	195113	1.00	
14 Fluorene						
1	7.693	7.711	-0.018	178603	1.03	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.245	9.253	-0.008	188032	1.02	
16 Phenanthrene						
1	9.438	9.463	-0.025	160147	0.9679	
17 Anthracene						
1	9.526	9.555	-0.029	169140	0.9883	
20 n-Octadecane						
2	11.221	11.231	-0.010	186018	1.02	
19 Fluoranthene						
1	11.926	11.959	-0.033	153338	0.9721	
22 C19						
2	12.191	12.202	-0.011	181606	1.02	
21 Pyrene						
1	12.386	12.421	-0.035	172200	1.02	
23 icosane						
2	13.133	13.145	-0.012	179530	1.02	
27 n-Docosane						
2	14.925	14.940	-0.015	181581	1.03	
24 Benzo[a]anthracene						
1	15.113	15.147	-0.034	143301	0.9465	
25 Chrysene						
1	15.198	15.245	-0.047	166003	1.04	
28 n-Tetracosane						
2	16.591	16.605	-0.014	185952	1.04	
29 Benzo[b]fluoranthene						
1	17.426	17.471	-0.045	137895	0.9037	
30 Benzo[k]fluoranthene						
1	17.476	17.537	-0.061	170315	0.8341	
31 Benzo[a]pyrene						M
1	18.041	18.091	-0.050	150008	0.9662	M
32 n-Hexacosane						
2	18.134	18.150	-0.016	196881	1.07	
35 n-Octacosane						
2	19.576	19.586	-0.010	195174	1.03	
33 Indeno[1,2,3-cd]pyrene						
1	20.070	20.124	-0.054	119076	0.7869	
34 Dibenz(a,h)anthracene						M
1	20.140	20.237	-0.097	127477	0.8596	M
36 Benzo[g,h,i]perylene						
1	20.476	20.473	0.003	119837	0.8043	
37 Triacontane						
2	20.914	20.932	-0.018	186927	1.03	
38 n-Hexatriacontane						
2	25.510	25.525	-0.015	158822	1.04	
S 43 Total EPH						
2					-14.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					14.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					14.5	

QC Flag Legend

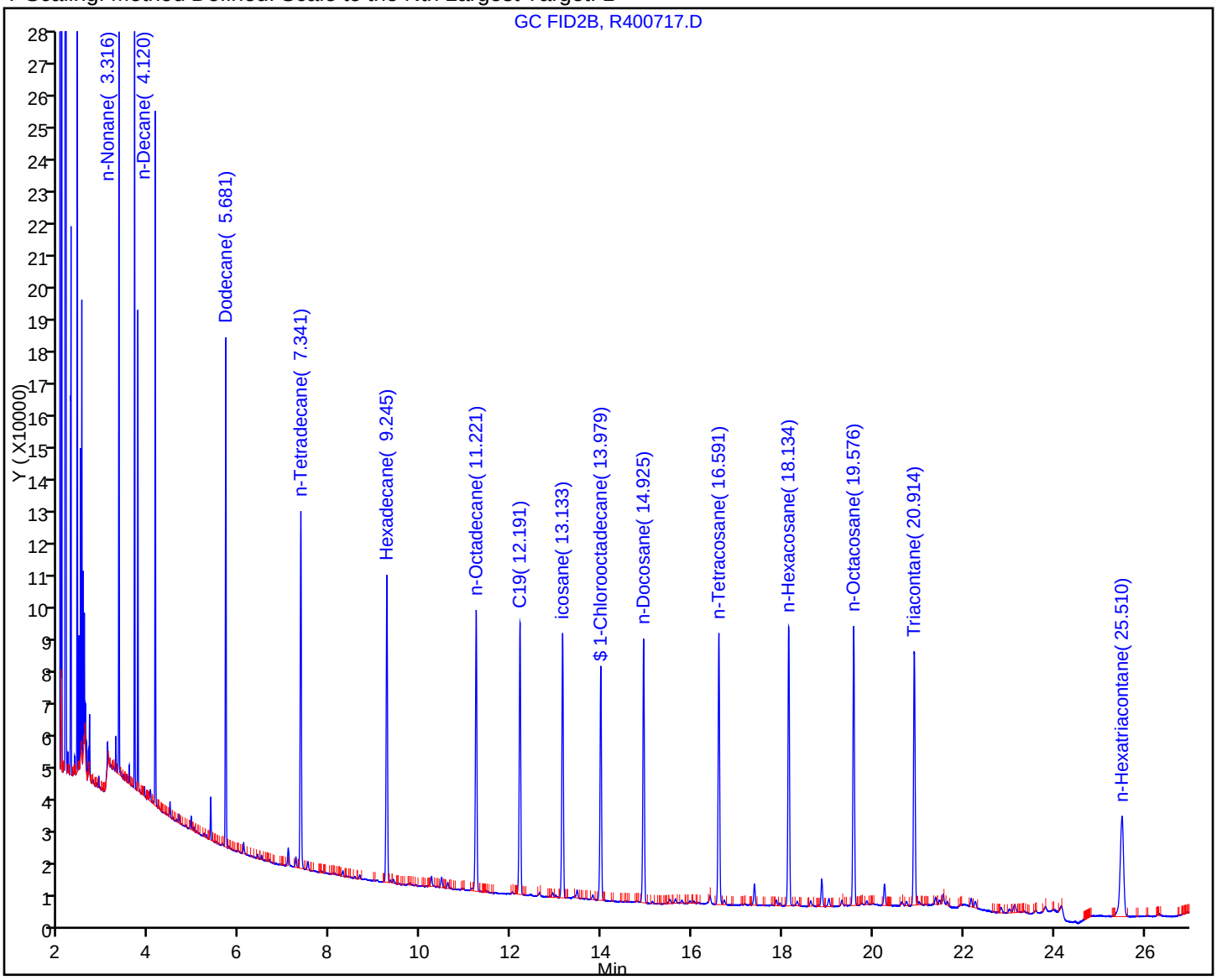
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D

Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D		
Lims ID:	std5	Client ID:	
Inject. Date:	04-Nov-2011 17:14:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	std5		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	82884	Lims Sample ID:	5
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:42:28	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:37

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.937	0.000	603355	4.50	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	410427	4.63	
$ 3 o-Terphenyl						
1	10.396	10.396	0.000	760924	4.26	
$ 4 1-Chlorooctadecane						
2	13.980	13.980	0.000	835953	5.45	
5 n-Nonane						
2	3.317	3.317	0.000	1008687	5.49	
6 n-Decane						
2	4.119	4.119	0.000	1040458	5.24	
7 Naphthalene						
1	4.693	4.693	0.000	771947	4.36	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	744942	4.34	
9 Dodecane						
2	5.681	5.681	0.000	1032141	5.46	
11 Acenaphthylene						
1	6.606	6.606	0.000	756372	4.23	
12 Acenaphthene						
1	6.882	6.882	0.000	760273	4.26	
15 n-Tetradecane						
2	7.342	7.342	0.000	1009032	5.17	
14 Fluorene						
1	7.693	7.693	0.000	755459	4.37	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	997130	5.42	
16 Phenanthrene						
1	9.440	9.440	0.000	711995	4.30	
17 Anthracene						
1	9.527	9.527	0.000	729745	4.62	
20 n-Octadecane						
2	11.222	11.222	0.000	981231	5.38	
19 Fluoranthene						
1	11.930	11.930	0.000	680868	4.32	
22 C19						
2	12.192	12.192	0.000	962882	5.43	
21 Pyrene						
1	12.390	12.390	0.000	736222	4.38	
23 icosane						
2	13.135	13.135	0.000	950809	5.41	
27 n-Docosane						
2	14.927	14.927	0.000	957825	5.46	
24 Benzo[a]anthracene						
1	15.112	15.112	0.000	628333	4.41	
25 Chrysene						
1	15.202	15.202	0.000	677626	4.58	
28 n-Tetracosane						
2	16.592	16.592	0.000	954740	5.35	
29 Benzo[b]fluoranthene						
1	17.427	17.427	0.000	616939	4.35	
30 Benzo[k]fluoranthene						
1	17.477	17.477	0.000	645189	4.40	
31 Benzo[a]pyrene						
1	18.042	18.042	0.000	635440	4.40	
32 n-Hexacosane						
2	18.139	18.139	0.000	969840	5.65	
35 n-Octacosane						
2	19.577	19.577	0.000	964729	5.09	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.073	0.000	532116	4.02	
34 Dibenz(a,h)anthracene						
1	20.145	20.145	0.000	564005	4.36	
36 Benzo[g,h,i]perylene						
1	20.482	20.482	0.000	533172	4.12	
37 Triacontane						
2	20.918	20.918	0.000	957852	5.25	
38 n-Hexatriacontane						
2	25.512	25.512	0.000	816525	5.35	
A 39 C9-C18 Aliphatics						
2	7.278	3.217 - 11.322		13287798	32.2	
A 40 C11-C22 Aromatics						
1	12.793	4.593 - 20.861		13032461	83.6	

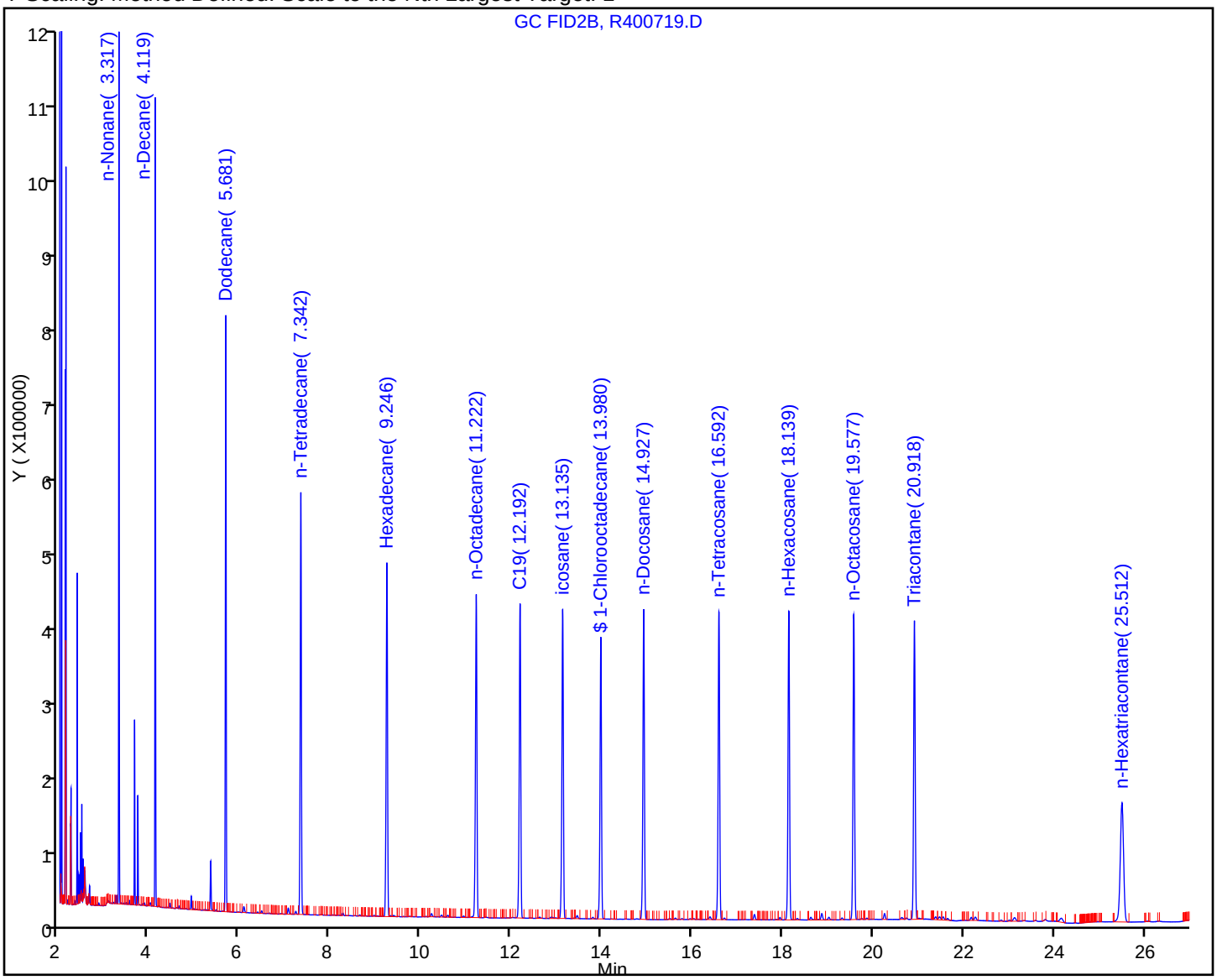
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.538	11.322	-25.765	11820018	56.9	
S 43 Total EPH						
2					107.2	
S 42 C11-C22 Aromatics (Adjusted)						
2					18.2	
S 44 EPH Adjustment 1						
1					65.4	

Report Date: 08-Nov-2011 10:42:29 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D

Injection Date:	04-Nov-2011 17:14:54	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	5
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Lims ID:	std10	Client ID:	
Inject. Date:	04-Nov-2011 17:48:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	std10		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	82884	Lims Sample ID:	6
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:13	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.937	0.001	1383915	10.3	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	947780	10.7	
$ 3 o-Terphenyl						
1	10.397	10.396	0.001	1715418	9.60	
$ 4 1-Chlorooctadecane						
2	13.981	13.980	0.001	1493643	9.74	
5 n-Nonane						
2	3.317	3.317	0.000	1809092	9.96	
6 n-Decane						
2	4.121	4.119	0.002	1866122	9.39	
7 Naphthalene						
1	4.694	4.693	0.001	1780100	10.1	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	1723614	10.0	
9 Dodecane						
2	5.682	5.681	0.001	1852722	9.80	
11 Acenaphthylene						
1	6.606	6.606	0.000	1715710	9.59	
12 Acenaphthene						
1	6.885	6.882	0.003	1730536	9.71	
15 n-Tetradecane						
2	7.343	7.342	0.001	1804162	9.24	
14 Fluorene						
1	7.695	7.693	0.002	1710479	9.89	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	1783806	9.70	
16 Phenanthrene						
1	9.443	9.440	0.003	1626129	9.83	
17 Anthracene						
1	9.530	9.527	0.003	1646405	10.6	
20 n-Octadecane						
2	11.223	11.222	0.001	1751948	9.60	
19 Fluoranthene						
1	11.934	11.930	0.004	1548141	9.81	
22 C19						
2	12.194	12.192	0.002	1723266	9.72	
21 Pyrene						
1	12.392	12.390	0.002	1655065	9.84	
23 icosane						M
2	13.136	13.135	0.001	1718339	9.77	M
27 n-Docosane						
2	14.928	14.927	0.001	1707750	9.73	
24 Benzo[a]anthracene						
1	15.120	15.112	0.008	1427799	10.1	
25 Chrysene						
1	15.207	15.202	0.005	1508512	10.3	
28 n-Tetracosane						
2	16.594	16.592	0.002	1695943	9.51	
29 Benzo[b]fluoranthene						
1	17.439	17.427	0.012	1401170	10.0	
30 Benzo[k]fluoranthene						
1	17.487	17.477	0.010	1438171	10.4	
31 Benzo[a]pyrene						
1	18.049	18.042	0.007	1432623	10.0	
32 n-Hexacosane						
2	18.138	18.139	-0.001	1707752	10.0	
35 n-Octacosane						
2	19.579	19.577	0.002	1703640	8.98	
33 Indeno[1,2,3-cd]pyrene						
1	20.083	20.073	0.010	1229760	9.47	
34 Dibenz(a,h)anthracene						
1	20.147	20.145	0.002	1257320	9.92	
36 Benzo[g,h,i]perylene						
1	20.492	20.482	0.010	1211484	9.56	
37 Triacontane						
2	20.920	20.918	0.002	1700410	9.33	
38 n-Hexatriacontane						M
2	25.519	25.512	0.007	1476363	9.68	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		16605628	50.1	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		28110201	100.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	17408993	83.8	
S 44 EPH Adjustment 1						
1					149.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					30.6	
S 43 Total EPH						
2					164.5	

QC Flag Legend

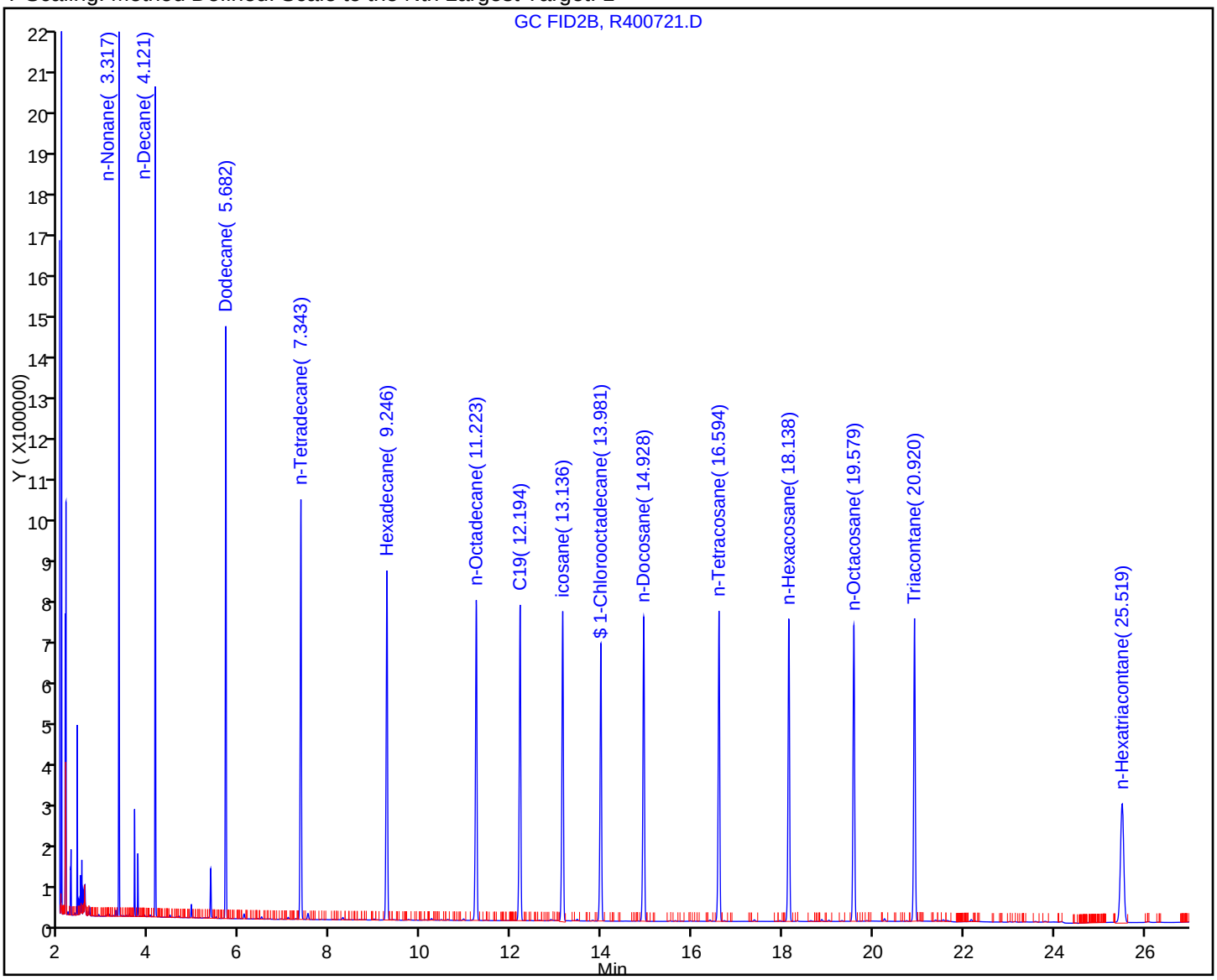
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:46:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D

Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Nov-2011 10:46:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02

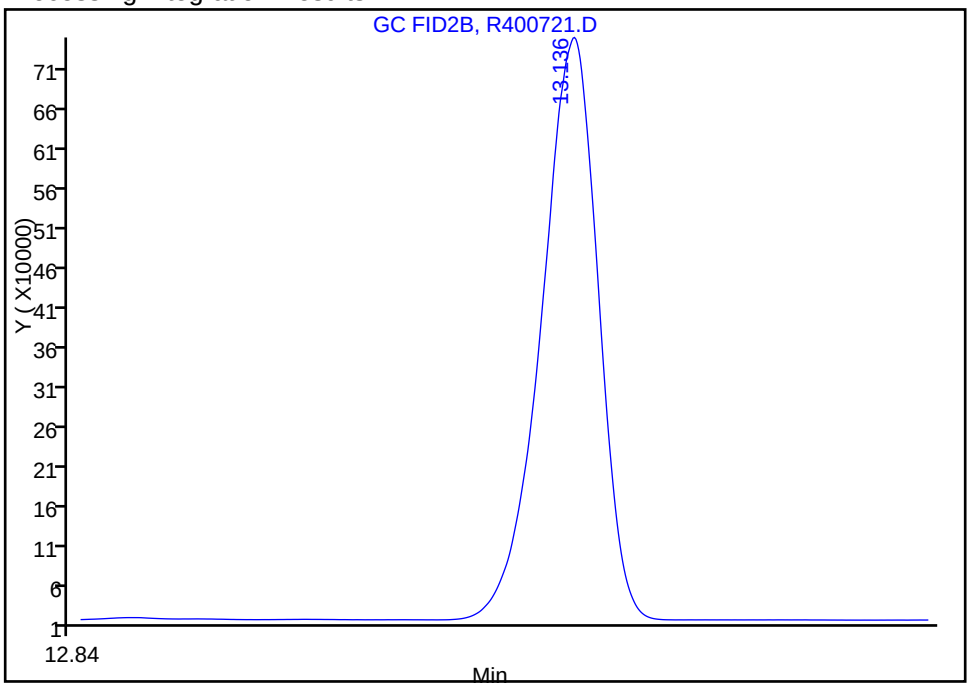
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

23 icosane, Signal: 1, Type: quant, RT: 13.13, Det: GC FID2B

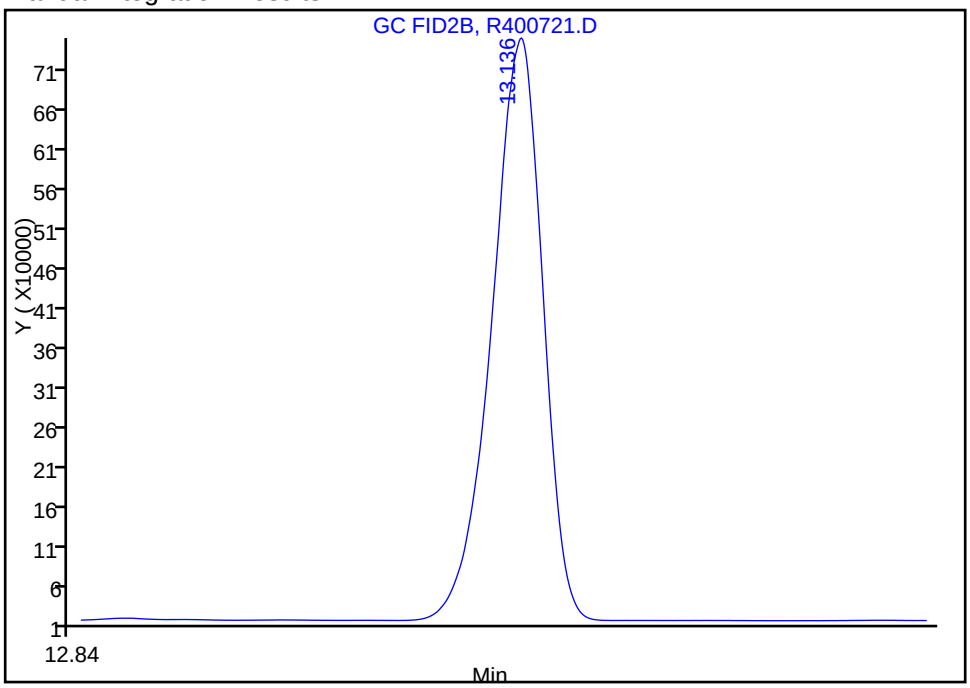
Processing Integration Results

RT: 13.14
Response: 972574
Amount: 5.728013



Manual Integration Results

RT: 13.14
Response: 1718339
Amount: 9.774115



Reviewer: malanowskiv, 06-Nov-2011 12:25:37
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:46:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02

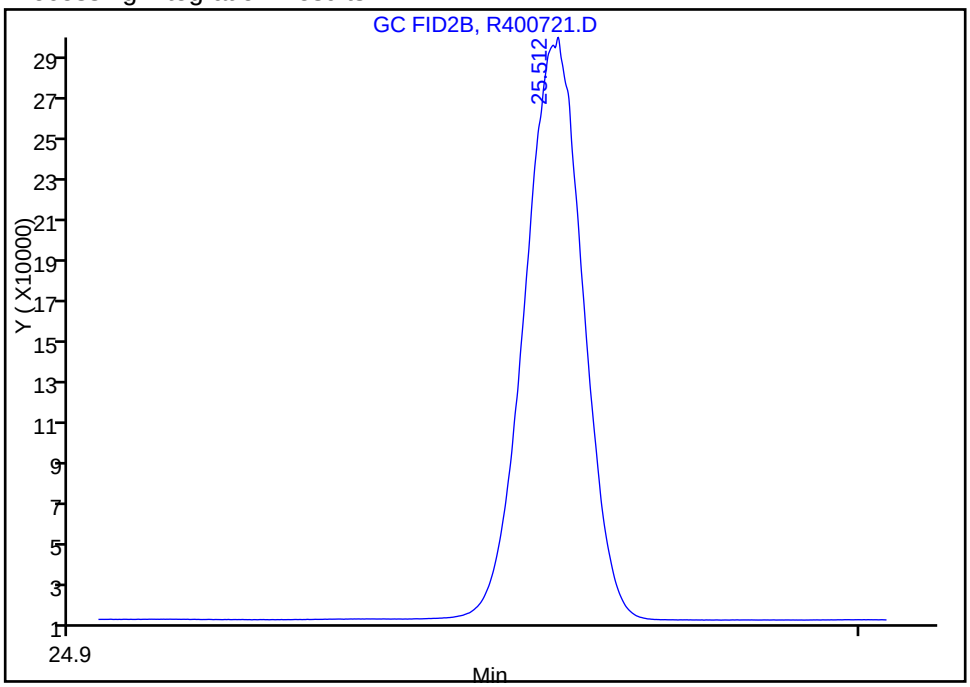
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.51, Det: GC FID2B

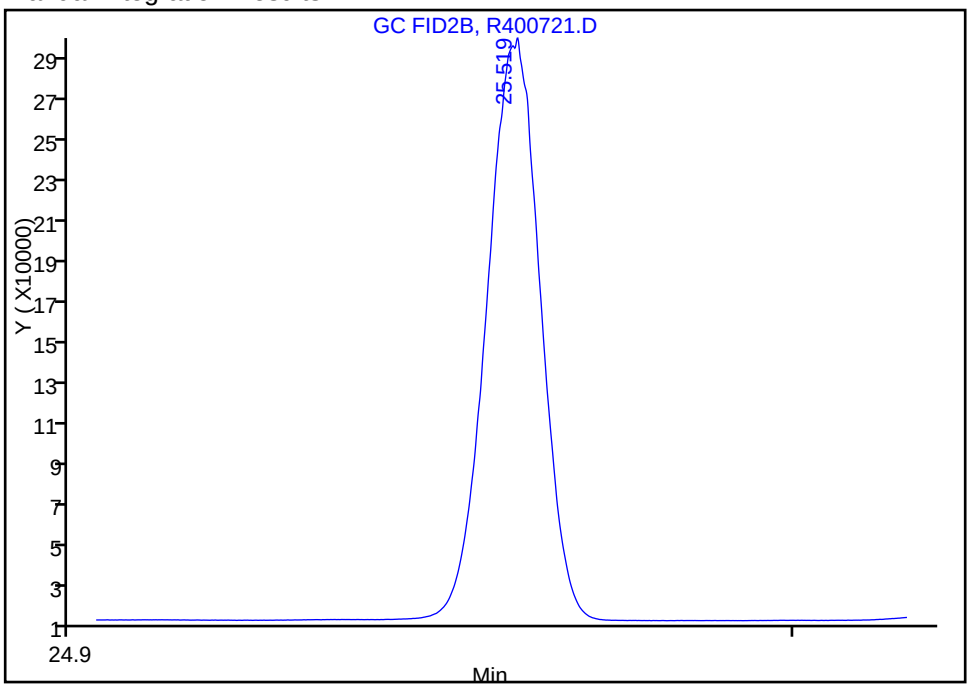
Processing Integration Results

RT: 25.51
Response: 743146
Amount: 8.037837



Manual Integration Results

RT: 25.52
Response: 1476363
Amount: 9.682328



Reviewer: malanowskiv, 06-Nov-2011 12:25:37
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D		
Lims ID:	std25	Client ID:	
Inject. Date:	04-Nov-2011 18:22:16	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	std25		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	82884	Lims Sample ID:	7
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:35	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:26

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.937	0.002	3272150	24.4	
$ 2 2-Bromonaphthalene						
1	6.799	6.795	0.004	2219193	25.0	
$ 3 o-Terphenyl						
1	10.403	10.396	0.007	4019543	22.5	
$ 4 1-Chlorooctadecane						
2	13.984	13.980	0.004	3641764	23.7	
5 n-Nonane						
2	3.318	3.317	0.001	4377354	24.3	
6 n-Decane						
2	4.122	4.119	0.003	4503826	22.7	
7 Naphthalene						
1	4.695	4.693	0.002	4199707	23.7	
8 2-Methylnaphthalene						
1	5.465	5.462	0.003	4062551	23.7	
9 Dodecane						
2	5.683	5.681	0.002	4478288	23.7	
11 Acenaphthylene						
1	6.611	6.606	0.005	4040368	22.6	
12 Acenaphthene						
1	6.889	6.882	0.007	4055729	22.8	
15 n-Tetradecane						
2	7.345	7.342	0.003	4377639	22.4	
14 Fluorene						
1	7.702	7.693	0.009	4000063	23.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.246	0.005	4324561	23.5	
16 Phenanthrene						
1	9.450	9.440	0.010	3799841	23.0	
17 Anthracene						
1	9.539	9.527	0.012	3764648	24.3	
20 n-Octadecane						
2	11.230	11.222	0.008	4270937	23.4	
19 Fluoranthene						
1	11.943	11.930	0.013	3664943	23.2	
22 C19						
2	12.198	12.192	0.006	4203875	23.7	
21 Pyrene						
1	12.402	12.390	0.012	3886049	23.1	
23 icosane						
2	13.142	13.135	0.007	4135090	23.5	
27 n-Docosane						
2	14.935	14.927	0.008	4155128	23.7	
24 Benzo[a]anthracene						
1	15.131	15.112	0.019	3398887	24.2	
25 Chrysene						
1	15.224	15.202	0.022	3556001	24.5	
28 n-Tetracosane						
2	16.600	16.592	0.008	4156516	23.3	
29 Benzo[b]fluoranthene						
1	17.452	17.427	0.025	3358183	24.1	
30 Benzo[k]fluoranthene						
1	17.507	17.477	0.030	3383480	25.0	
31 Benzo[a]pyrene						
1	18.068	18.042	0.026	3408988	24.0	
32 n-Hexacosane						
2	18.147	18.139	0.008	4203409	24.8	
35 n-Octacosane						
2	19.583	19.577	0.006	4221496	22.3	
33 Indeno[1,2,3-cd]pyrene						
1	20.103	20.073	0.030	3014627	23.4	
34 Dibenz(a,h)anthracene						
1	20.167	20.145	0.022	2956340	23.6	
36 Benzo[g,h,i]perylene						
1	20.513	20.482	0.031	2936197	23.4	
37 Triacontane						
2	20.926	20.918	0.008	4185801	23.0	
38 n-Hexatriacontane						
2	25.527	25.512	0.015	3536636	23.2	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		35718196	153.3	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		63975201	410.4	

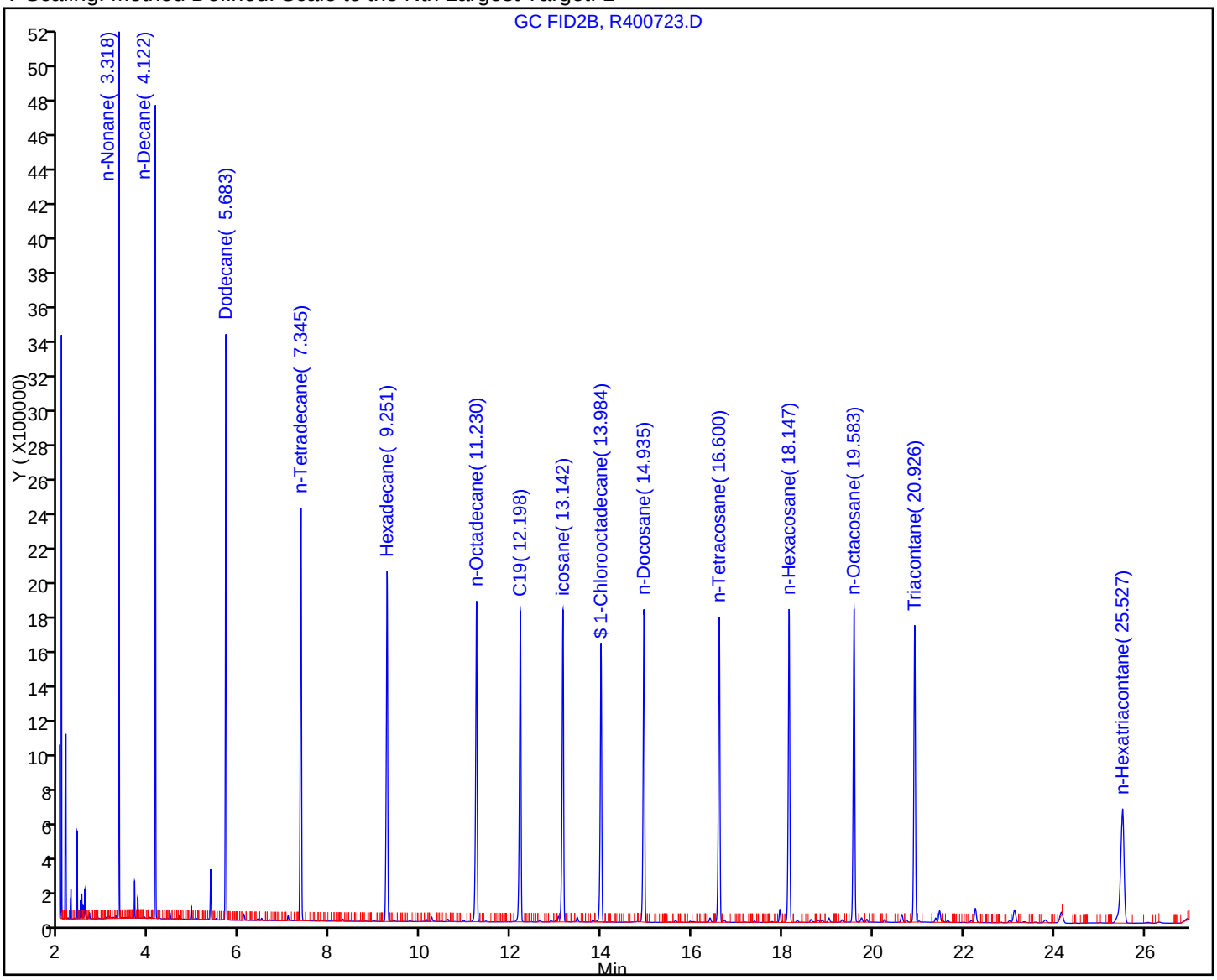
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	40071233	192.8	
S 43 Total EPH						
2					401.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					55.8	
S 44 EPH Adjustment 1						
1					354.6	

Report Date: 08-Nov-2011 10:46:35 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D

Injection Date:	04-Nov-2011 18:22:16	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Lims ID:	std100	Client ID:	
Inject. Date:	04-Nov-2011 19:29:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	std100		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	82884	Lims Sample ID:	8
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:26	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		
First Level Reviewer: malanowskiv		Date:	07-Nov-2011 07:52:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.952	5.937	0.015	14215423	102.1	
$ 2 2-Bromonaphthalene						
1	6.817	6.795	0.022	9233617	100.2	
$ 3 o-Terphenyl						
1	10.429	10.396	0.033	16741411	93.7	
$ 4 1-Chlorooctadecane						
2	14.007	13.980	0.027	14226897	92.8	
5 n-Nonane						
2	3.327	3.317	0.010	18211050	101.5	
6 n-Decane						
2	4.132	4.119	0.013	18796584	94.6	
7 Naphthalene						
1	4.707	4.693	0.014	17824535	100.7	
8 2-Methylnaphthalene						
1	5.478	5.462	0.016	17223002	100.4	
9 Dodecane						
2	5.692	5.681	0.011	18661498	98.7	
11 Acenaphthylene						
1	6.630	6.606	0.024	16998474	95.0	
12 Acenaphthene						
1	6.913	6.882	0.031	16941685	95.0	
15 n-Tetradecane						
2	7.355	7.342	0.013	18072917	92.5	
14 Fluorene						
1	7.727	7.693	0.034	16764188	96.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.266	9.246	0.020	17883375	97.2	
16 Phenanthrene						
1	9.481	9.440	0.041	16211326	98.0	
17 Anthracene						
1	9.577	9.527	0.050	15941768	103.2	
20 n-Octadecane						
2	11.246	11.222	0.024	17579906	96.4	
19 Fluoranthene						
1	11.980	11.930	0.050	15541500	98.5	
22 C19						
2	12.217	12.192	0.025	17308446	97.6	
21 Pyrene						
1	12.443	12.390	0.053	16246645	96.6	
23 icosane						
2	13.163	13.135	0.028	16639428	94.6	
27 n-Docosane						
2	14.959	14.927	0.032	16360413	93.2	
24 Benzo[a]anthracene						
1	15.174	15.112	0.062	14348101	102.5	
25 Chrysene						
1	15.278	15.202	0.076	14904263	103.0	
28 n-Tetracosane						
2	16.623	16.592	0.031	16666913	93.5	
29 Benzo[b]fluoranthene						
1	17.499	17.427	0.072	15091168	108.5	
30 Benzo[k]fluoranthene						
1	17.574	17.477	0.097	13531770	101.2	
31 Benzo[a]pyrene						M
1	18.131	18.042	0.089	14650836	103.5	M
32 n-Hexacosane						
2	18.171	18.139	0.032	16975846	100.5	
35 n-Octacosane						
2	19.607	19.577	0.030	17077930	90.1	
33 Indeno[1,2,3-cd]pyrene						
1	20.184	20.073	0.111	12858055	100.4	
34 Dibenz(a,h)anthracene						M
1	20.237	20.145	0.092	12770021	102.3	M
36 Benzo[g,h,i]perylene						
1	20.589	20.482	0.107	12555380	100.5	
37 Triacontane						
2	20.954	20.918	0.036	17192252	94.3	
38 n-Hexatriacontane						
2	25.568	25.512	0.056	13851517	90.8	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		116436741	589.0	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		264970279	1698.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	140145386	674.4	
S 44 EPH Adjustment 1						
1					1503.4	
S 42 C11-C22 Aromatics (Adjusted)						
2					196.3	
S 43 Total EPH						
2					1459.8	

QC Flag Legend

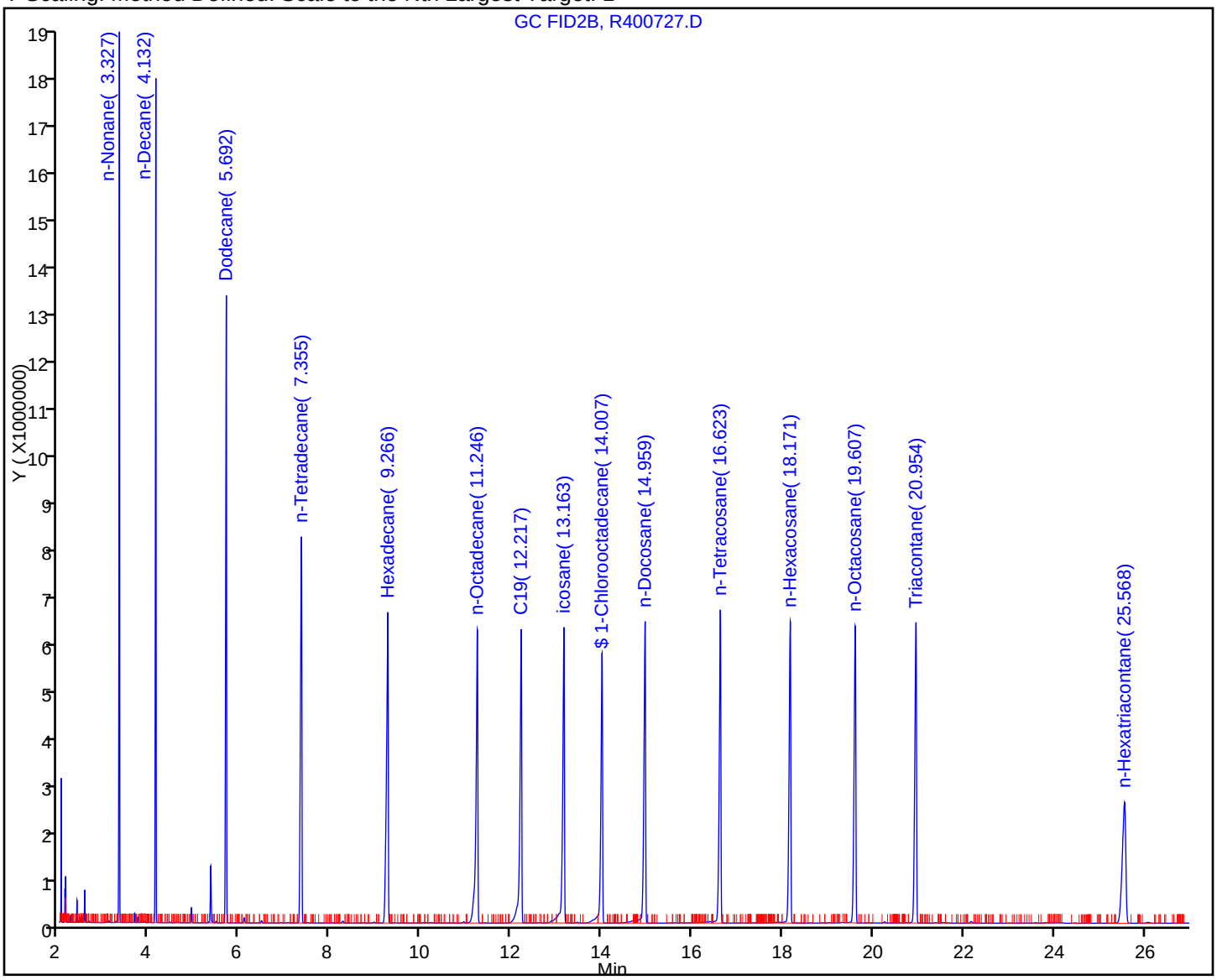
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D

Injection Date:	04-Nov-2011 19:29:41	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Lims ID:	std200	Client ID:	
Inject. Date:	04-Nov-2011 20:03:23	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	std200		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	82884	Lims Sample ID:	9
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:49	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.963	5.937	0.026	27219328	191.3	
$ 2 2-Bromonaphthalene						
1	6.832	6.795	0.037	18004776	191.3	
$ 3 o-Terphenyl						
1	10.450	10.396	0.054	31401850	175.7	
$ 4 1-Chlorooctadecane						
2	14.026	13.980	0.046	27871700	181.8	
5 n-Nonane						
2	3.332	3.317	0.015	35355401	197.2	
6 n-Decane						
2	4.142	4.119	0.023	36501217	183.7	
7 Naphthalene						
1	4.718	4.693	0.025	34019279	192.1	
8 2-Methylnaphthalene						
1	5.490	5.462	0.028	32899396	191.7	
9 Dodecane						
2	5.700	5.681	0.019	36255572	191.8	
11 Acenaphthylene						
1	6.646	6.606	0.040	32474003	181.6	
12 Acenaphthene						
1	6.934	6.882	0.052	32643392	183.1	
15 n-Tetradecane						
2	7.367	7.342	0.025	35180388	180.1	
14 Fluorene						
1	7.746	7.693	0.053	32103683	185.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.280	9.246	0.034	34884004	189.6	
16 Phenanthrene						
1	9.505	9.440	0.065	31316706	189.3	
17 Anthracene						
1	9.607	9.527	0.080	30036930	194.6	
20 n-Octadecane						
2	11.265	11.222	0.043	34238156	187.7	
19 Fluoranthene						
1	12.010	11.930	0.080	29525692	187.2	
22 C19						
2	12.239	12.192	0.047	33765177	190.4	
21 Pyrene						
1	12.480	12.390	0.090	30819194	183.2	
23 icosane						
2	13.185	13.135	0.050	31423185	178.7	
27 n-Docosane						
2	14.979	14.927	0.052	32476339	185.0	
24 Benzo[a]anthracene						
1	15.204	15.112	0.092	27510479	196.5	
25 Chrysene						
1	15.322	15.202	0.120	28166036	194.7	
28 n-Tetracosane						
2	16.645	16.592	0.053	32590752	182.8	
29 Benzo[b]fluoranthene						M
1	17.556	17.427	0.129	26645481	191.6	M
30 Benzo[k]fluoranthene						M
1	17.629	17.477	0.152	25896085	194.1	M
31 Benzo[a]pyrene						
1	18.175	18.042	0.133	27713144	195.9	
32 n-Hexacosane						
2	18.191	18.139	0.052	33162196	196.4	
35 n-Octacosane						
2	19.630	19.577	0.053	33519195	176.8	
36 Benzo[g,h,i]perylene						M
1	20.655	20.482	0.173	25161350	201.6	M
37 Triacontane						
2	20.977	20.918	0.059	33854159	185.7	
38 n-Hexatriacontane						M
2	25.616	25.512	0.104	27729888	181.9	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		226814494	1184.9	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		506951589	3252.1	
A 41 C19-C36 Aliphatics						
2	18.544	11.322 - 25.765		270729533	1302.8	
S 43 Total EPH						
2					2877.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 42 C11-C22 Aromatics (Adjusted)						
2					389.4	
S 44 EPH Adjustment 1						
1					2862.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:50 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D
Injection Date: 04-Nov-2011 20:03:23 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 82884 Lims Sample ID: 9
Operator ID: CT Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



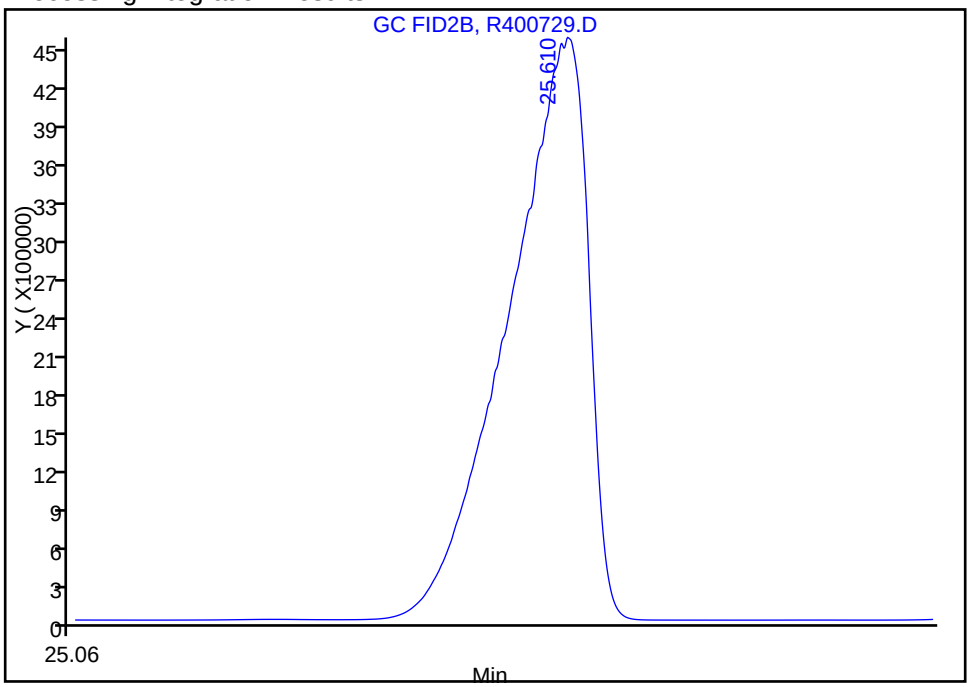
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.51, Det: GC FID2B

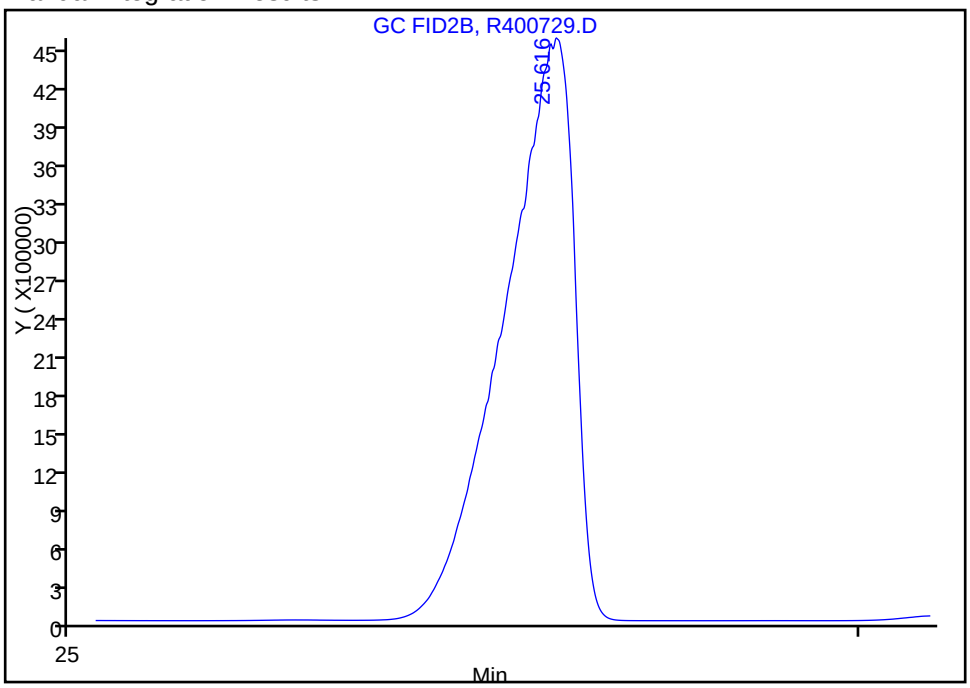
Processing Integration Results

RT: 25.61
Response: 3013059
Amount: 21.715961



Manual Integration Results

RT: 25.62
Response: 27729888
Amount: 181.8590



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCVRT 360-84720/1 Calibration Date: 12/13/2011 12:56

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402051.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	175483		49.5	50.0	-0.9	25.0
2-Methylnaphthalene	Ave	171616	168916		49.2	50.0	-1.6	25.0
Acenaphthylene	Ave	178861	167224		46.7	50.0	-6.5	25.0
Acenaphthene	Ave	178269	168391		47.2	50.0	-5.5	25.0
Fluorene	Ave	172973	165173		47.7	50.0	-4.5	25.0
Phenanthrene	Ave	165465	157405		47.6	50.0	-4.9	25.0
Anthracene	Lin1		155638		50.3	50.0	0.6	25.0
Fluoranthene	Ave	157744	151119		47.9	50.0	-4.2	25.0
Pyrene	Ave	168253	159531		47.4	50.0	-5.2	25.0
C11-C22 Aromatics	Ave	155886	155632		849	850	-0.2	25.0
Benzo[a]anthracene	Lin1		141159		50.4	50.0	0.8	25.0
Chrysene	Lin1		147571		50.9	50.0	1.8	25.0
Benzo[b]fluoranthene	Lin1		143472		51.5	50.0	3.0	25.0
Benzo[k]fluoranthene	Lin1		141001		52.5	50.0	5.0	25.0
Benzo[a]pyrene	Lin1		145811		51.5	50.0	3.0	25.0
Indeno[1,2,3-cd]pyrene	Lin1		140806		54.9	50.0	9.8	25.0
Dibenz(a,h)anthracene	Lin1		128852		51.5	50.0	3.0	25.0
Benzo[g,h,i]perylene	Lin1		136238		54.5	50.0	9.0	25.0
2-Fluorobiphenyl	Ave	142273	136160		47.9	50.0	-4.3	25.0
2-Bromonaphthalene	Ave	94136	91924		48.8	50.0	-2.3	25.0
o-Terphenyl	Ave	178720	165230		46.2	50.0	-7.5	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCVRT 360-84720/1 Calibration Date: 12/13/2011 12:56

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402051.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.62	6.52	6.72
Acenaphthene	6.90	6.80	7.00
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.56	9.46	9.66
Fluoranthene	11.96	11.86	12.06
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics	12.80	4.60	21.00
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.25	15.15	15.35
Benzo[b]fluoranthene	17.47	17.37	17.57
Benzo[k]fluoranthene	17.54	17.44	17.64
Benzo[a]pyrene	18.10	18.00	18.20
Indeno[1,2,3-cd]pyrene	20.15	20.05	20.25
Dibenz(a,h)anthracene	20.21	20.11	20.31
Benzo[g,h,i]perylene	20.56	20.46	20.66
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.81	6.71	6.91
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402051.D
Lims ID: CCVRT Client ID:
Inject. Date: 13-Dec-2011 12:56:43 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84720 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m
Last Update: 14-Dec-2011 13:08:19 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH LL
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:30:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.944	5.944	0.000	6807985	47.9	
$ 2 2-Bromonaphthalene						
1	6.805	6.805	0.000	4596185	48.8	
$ 3 o-Terphenyl						
1	10.414	10.414	0.000	8261522	46.2	
$ 4 1-Chlorooctadecane						
2	13.979	13.979	0.000	6708750	43.7	
5 n-Nonane						
2	3.311	3.311	0.000	8460315	47.1	
6 n-Decane						
2	4.116	4.116	0.000	8699679	43.8	
7 Naphthalene						
1	4.699	4.699	0.000	8774171	49.5	
8 2-Methylnaphthalene						
1	5.470	5.470	0.000	8445797	49.2	
9 Dodecane						
2	5.675	5.675	0.000	8642340	45.7	
11 Acenaphthylene						
1	6.619	6.619	0.000	8361186	46.7	
12 Acenaphthene						
1	6.899	6.899	0.000	8419569	47.2	
15 n-Tetradecane						
2	7.335	7.335	0.000	8401536	43.0	
14 Fluorene						
1	7.712	7.712	0.000	8258659	47.7	

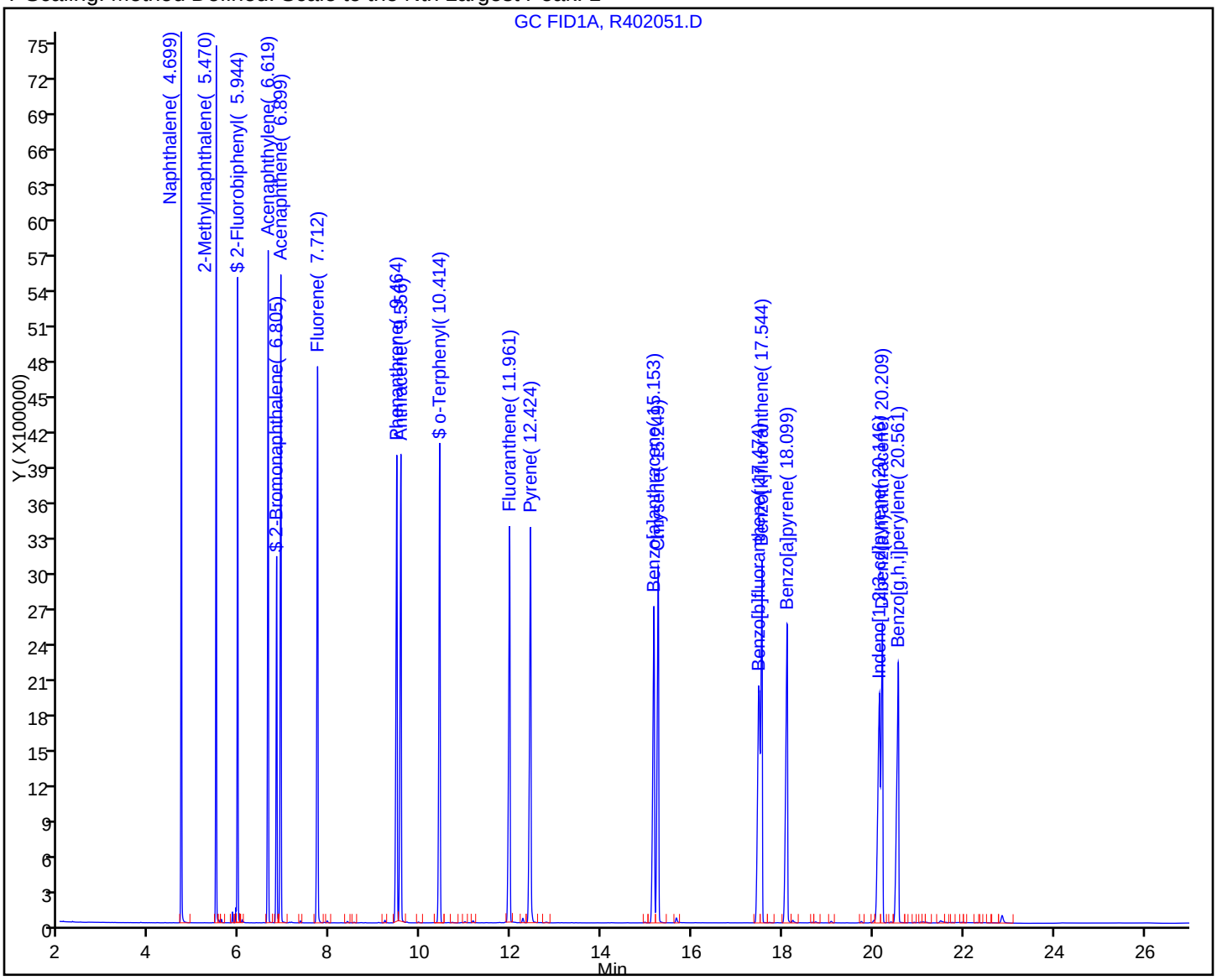
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.241	9.241	0.000	8346716	45.4	
16 Phenanthrene						
1	9.464	9.464	0.000	7870240	47.6	
17 Anthracene						
1	9.556	9.556	0.000	7781917	50.3	
20 n-Octadecane						
2	11.223	11.223	0.000	8255726	45.3	
19 Fluoranthene						
1	11.961	11.961	0.000	7555955	47.9	
22 C19						
2	12.193	12.193	0.000	8149553	45.9	
21 Pyrene						
1	12.424	12.424	0.000	7976537	47.4	
23 icosane						
2	13.138	13.138	0.000	8072069	45.9	
27 n-Docosane						
2	14.930	14.930	0.000	7744728	44.1	
24 Benzo[a]anthracene						
1	15.153	15.153	0.000	7057944	50.4	
25 Chrysene						
1	15.249	15.249	0.000	7378531	50.9	
28 n-Tetracosane						
2	16.597	16.597	0.000	7778919	43.6	
29 Benzo[b]fluoranthene						
1	17.474	17.474	0.000	7173593	51.5	
30 Benzo[k]fluoranthene						
1	17.544	17.544	0.000	7050036	52.5	
31 Benzo[a]pyrene						
1	18.099	18.099	0.000	7290549	51.5	
32 n-Hexacosane						
2	18.144	18.144	0.000	8051040	47.6	
35 n-Octacosane						
2	19.584	19.584	0.000	8183933	43.2	
33 Indeno[1,2,3-cd]pyrene						
1	20.146	20.146	0.000	7040281	54.9	
34 Dibenz(a,h)anthracene						
1	20.209	20.209	0.000	6442604	51.5	
36 Benzo[g,h,i]perylene						
1	20.561	20.561	0.000	6811899	54.5	
37 Triacontane						
2	20.923	20.923	0.000	8363633	45.9	
38 n-Hexatriacontane						M
2	25.518	25.518	0.000	7560513	49.6	M
A 39 C9-C18 Aliphatics						
2	7.268	3.211 - 11.323		59151528	279.8	
A 40 C11-C22 Aromatics						
1	12.798	4.599 - 21.002		132286881	348.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.548	11.323	-25.780	70916303	341.3	
S 44 EPH Adjustment 1						
1					744.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					103.7	
S 43 Total EPH						
2					724.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Dec-2011 13:08:21 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402051.D
Injection Date: 13-Dec-2011 12:56:43 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 1
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCVRT 360-84720/1 Calibration Date: 12/13/2011 12:56

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402051.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		169206		47.1	50.0	-5.8	25.0
n-Decane	Ave	198709	173994		43.8	50.0	-12.4	25.0
Dodecane	Ave	189041	172847		45.7	50.0	-8.6	25.0
C9-C18 Aliphatics	Lin1		197172		280	300	-6.7	25.0
n-Tetradecane	Ave	195285	168031		43.0	50.0	-14.0	25.0
Hexadecane	Ave	183947	166934		45.4	50.0	-9.2	25.0
n-Octadecane	Ave	182400	165115		45.3	50.0	-9.5	25.0
C19	Ave	177362	162991		45.9	50.0	-8.1	25.0
icosane	Ave	175805	161441		45.9	50.0	-8.2	25.0
n-Docosane	Ave	175561	154895		44.1	50.0	-11.8	25.0
n-Tetracosane	Ave	178308	155578		43.6	50.0	-12.7	25.0
n-Hexacosane	Lin1		161021		47.6	50.0	-4.8	25.0
C19-C36 Aliphatics	Ave	207807	177291		341	400	-14.7	25.0
n-Octacosane	Ave	189639	163679		43.2	50.0	-13.7	25.0
Triacontane	Ave	182275	167273		45.9	50.0	-8.2	25.0
n-Hexatriacontane	Ave	152480	151210		49.6	50.0	-0.8	25.0
1-Chlorooctadecane	Ave	153344	134175		43.7	50.0	-12.5	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCVRT 360-84720/1 Calibration Date: 12/13/2011 12:56

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402051.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.31	3.21	3.41
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.21	11.32
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.24	9.14	9.34
n-Octadecane	11.22	11.12	11.32
C19	12.19	12.09	12.29
icosane	13.14	13.04	13.24
n-Docosane	14.93	14.83	15.03
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.14	18.04	18.24
C19-C36 Aliphatics	18.55	11.32	25.78
n-Octacosane	19.58	19.48	19.68
Triacontane	20.92	20.82	21.02
n-Hexatriacontane	25.52	25.42	25.62
1-Chlorooctadecane	13.98	13.88	14.08

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402051.D
Lims ID: CCVRT Client ID:
Inject. Date: 13-Dec-2011 12:56:43 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84720 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m
Last Update: 14-Dec-2011 13:08:19 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH LL
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:30:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.944	5.944	0.000	6807985	47.9	
$ 2 2-Bromonaphthalene						
1	6.805	6.805	0.000	4596185	48.8	
$ 3 o-Terphenyl						
1	10.414	10.414	0.000	8261522	46.2	
$ 4 1-Chlorooctadecane						
2	13.979	13.979	0.000	6708750	43.7	
5 n-Nonane						
2	3.311	3.311	0.000	8460315	47.1	
6 n-Decane						
2	4.116	4.116	0.000	8699679	43.8	
7 Naphthalene						
1	4.699	4.699	0.000	8774171	49.5	
8 2-Methylnaphthalene						
1	5.470	5.470	0.000	8445797	49.2	
9 Dodecane						
2	5.675	5.675	0.000	8642340	45.7	
11 Acenaphthylene						
1	6.619	6.619	0.000	8361186	46.7	
12 Acenaphthene						
1	6.899	6.899	0.000	8419569	47.2	
15 n-Tetradecane						
2	7.335	7.335	0.000	8401536	43.0	
14 Fluorene						
1	7.712	7.712	0.000	8258659	47.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.241	9.241	0.000	8346716	45.4	
16 Phenanthrene						
1	9.464	9.464	0.000	7870240	47.6	
17 Anthracene						
1	9.556	9.556	0.000	7781917	50.3	
20 n-Octadecane						
2	11.223	11.223	0.000	8255726	45.3	
19 Fluoranthene						
1	11.961	11.961	0.000	7555955	47.9	
22 C19						
2	12.193	12.193	0.000	8149553	45.9	
21 Pyrene						
1	12.424	12.424	0.000	7976537	47.4	
23 icosane						
2	13.138	13.138	0.000	8072069	45.9	
27 n-Docosane						
2	14.930	14.930	0.000	7744728	44.1	
24 Benzo[a]anthracene						
1	15.153	15.153	0.000	7057944	50.4	
25 Chrysene						
1	15.249	15.249	0.000	7378531	50.9	
28 n-Tetracosane						
2	16.597	16.597	0.000	7778919	43.6	
29 Benzo[b]fluoranthene						
1	17.474	17.474	0.000	7173593	51.5	
30 Benzo[k]fluoranthene						
1	17.544	17.544	0.000	7050036	52.5	
31 Benzo[a]pyrene						
1	18.099	18.099	0.000	7290549	51.5	
32 n-Hexacosane						
2	18.144	18.144	0.000	8051040	47.6	
35 n-Octacosane						
2	19.584	19.584	0.000	8183933	43.2	
33 Indeno[1,2,3-cd]pyrene						
1	20.146	20.146	0.000	7040281	54.9	
34 Dibenz(a,h)anthracene						
1	20.209	20.209	0.000	6442604	51.5	
36 Benzo[g,h,i]perylene						
1	20.561	20.561	0.000	6811899	54.5	
37 Triacontane						
2	20.923	20.923	0.000	8363633	45.9	
38 n-Hexatriacontane						M
2	25.518	25.518	0.000	7560513	49.6	M
A 39 C9-C18 Aliphatics						
2	7.268	3.211 - 11.323		59151528	279.8	
A 40 C11-C22 Aromatics						
1	12.798	4.599 - 21.002		132286881	348.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.548	11.323	-25.780	70916303	341.3	
S 44 EPH Adjustment 1						
1					744.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					103.7	
S 43 Total EPH						
2					724.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Dec-2011 13:08:21 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402051.D
Injection Date: 13-Dec-2011 12:56:43 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 1
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 14-Dec-2011 13:08:21 Chrom Revision: 2.0 29-Sep-2011 09:38:02

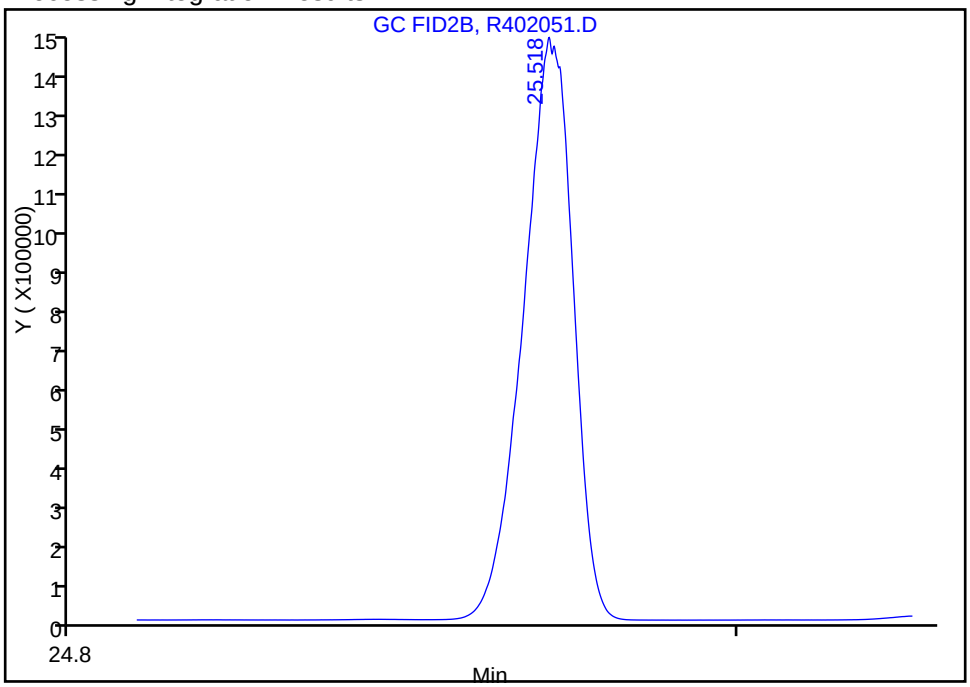
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402051.D		
Injection Date:	13-Dec-2011 12:56:43	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	1
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

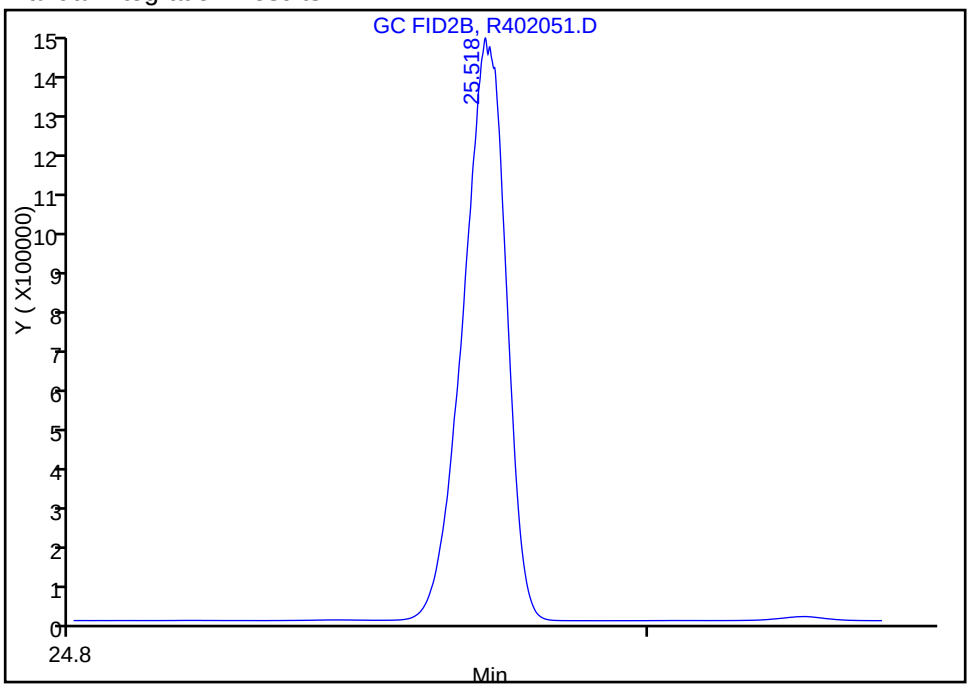
Processing Integration Results

RT: 25.52
Response: 1176846
Amount: 7.718027



Manual Integration Results

RT: 25.52
Response: 7560513
Amount: 49.583585



Reviewer: malanowskiv, 13-Dec-2011 13:41:35
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCV 360-84720/22 Calibration Date: 12/14/2011 01:41

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402093.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	190766		53.9	50.0	7.7	25.0
2-Methylnaphthalene	Ave	171616	183639		53.5	50.0	7.0	25.0
Acenaphthylene	Ave	178861	181819		50.8	50.0	1.7	25.0
Acenaphthene	Ave	178269	183265		51.4	50.0	2.8	25.0
Fluorene	Ave	172973	179957		52.0	50.0	4.0	25.0
Phenanthrene	Ave	165465	170722		51.6	50.0	3.2	25.0
Anthracene	Lin1		168014		54.3	50.0	8.6	25.0
Fluoranthene	Ave	157744	164053		52.0	50.0	4.0	25.0
Pyrene	Ave	168253	172429		51.2	50.0	2.5	25.0
C11-C22 Aromatics	Ave	155886	168366		918	850	8.0	25.0
Benzo[a]anthracene	Lin1		153256		54.7	50.0	9.4	25.0
Chrysene	Lin1		160124		55.3	50.0	10.6	25.0
Benzo[b]fluoranthene	Lin1		159204		57.2	50.0	14.4	25.0
Benzo[k]fluoranthene	Lin1		150230		56.0	50.0	12.0	25.0
Benzo[a]pyrene	Lin1		158302		55.9	50.0	11.8	25.0
Indeno[1,2,3-cd]pyrene	Lin1		150509		58.7	50.0	17.4	25.0
Dibenz(a,h)anthracene	Lin1		136281		54.5	50.0	9.0	25.0
Benzo[g,h,i]perylene	Lin1		141773		56.7	50.0	13.4	25.0
2-Fluorobiphenyl	Ave	142273	148219		52.1	50.0	4.2	25.0
2-Bromonaphthalene	Ave	94136	99961		53.1	50.0	6.2	25.0
o-Terphenyl	Ave	178720	179508		50.2	50.0	0.4	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCV 360-84720/22 Calibration Date: 12/14/2011 01:41

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402093.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.62	6.52	6.72
Acenaphthene	6.90	6.80	7.00
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.55	9.45	9.65
Fluoranthene	11.96	11.86	12.06
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics	12.80	4.60	21.00
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.25	15.15	15.35
Benzo[b]fluoranthene	17.48	17.38	17.58
Benzo[k]fluoranthene	17.54	17.44	17.64
Benzo[a]pyrene	18.10	18.00	18.20
Indeno[1,2,3-cd]pyrene	20.14	20.04	20.24
Dibenz(a,h)anthracene	20.21	20.11	20.31
Benzo[g,h,i]perylene	20.56	20.46	20.66
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.80	6.70	6.90
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402093.D
Lims ID: ccv Client ID:
Inject. Date: 14-Dec-2011 01:41:04 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84720 Lims Sample ID: 22
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m
Last Update: 14-Dec-2011 13:07:41 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH LL
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:32:12

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.942	5.942	0.000	7410973	52.1	
$ 2 2-Bromonaphthalene						
1	6.803	6.803	0.000	4998049	53.1	
$ 3 o-Terphenyl						
1	10.409	10.409	0.000	8975414	50.2	
$ 4 1-Chlorooctadecane						
2	13.979	13.979	0.000	6978621	45.5	
5 n-Nonane						
2	3.316	3.316	0.000	8648851	48.1	
6 n-Decane						
2	4.119	4.119	0.000	8943671	45.0	
7 Naphthalene						
1	4.697	4.697	0.000	9538277	53.9	
8 2-Methylnaphthalene						
1	5.468	5.468	0.000	9181939	53.5	
9 Dodecane						
2	5.678	5.678	0.000	8885346	47.0	
11 Acenaphthylene						
1	6.615	6.615	0.000	9090933	50.8	
12 Acenaphthene						
1	6.896	6.896	0.000	9163270	51.4	
15 n-Tetradecane						
2	7.338	7.338	0.000	8635741	44.2	
14 Fluorene						
1	7.709	7.709	0.000	8997856	52.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.248	9.248	0.000	8608174	46.8	
16 Phenanthrene						
1	9.460	9.460	0.000	8536109	51.6	
17 Anthracene						
1	9.551	9.551	0.000	8400701	54.3	
20 n-Octadecane						
2	11.224	11.224	0.000	8549956	46.9	
19 Fluoranthene						
1	11.955	11.955	0.000	8202634	52.0	
22 C19						
2	12.193	12.193	0.000	8459745	47.7	
21 Pyrene						
1	12.420	12.420	0.000	8621436	51.2	
23 icosane						
2	13.137	13.137	0.000	7778165	44.2	
27 n-Docosane						
2	14.932	14.932	0.000	7963211	45.4	
24 Benzo[a]anthracene						
1	15.150	15.150	0.000	7662780	54.7	
25 Chrysene						
1	15.247	15.247	0.000	8006187	55.3	
28 n-Tetracosane						
2	16.596	16.596	0.000	8072381	45.3	
29 Benzo[b]fluoranthene						
1	17.476	17.476	0.000	7960209	57.2	
30 Benzo[k]fluoranthene						
1	17.543	17.543	0.000	7511522	56.0	
31 Benzo[a]pyrene						
1	18.099	18.099	0.000	7915089	55.9	
32 n-Hexacosane						
2	18.142	18.142	0.000	8458261	50.0	
35 n-Octacosane						
2	19.580	19.580	0.000	8632483	45.5	
33 Indeno[1,2,3-cd]pyrene						
1	20.139	20.139	0.000	7525432	58.7	
34 Dibenz(a,h)anthracene						
1	20.207	20.207	0.000	6814062	54.5	
36 Benzo[g,h,i]perylene						
1	20.559	20.559	0.000	7088658	56.7	
37 Triacontane						
2	20.922	20.922	0.000	8870352	48.7	
38 n-Hexatriacontane						M
2	25.524	25.524	0.000	7725521	50.7	M
A 39 C9-C18 Aliphatics						
2	7.267	3.216 - 11.324		62220650	296.3	
A 40 C11-C22 Aromatics						
1	12.800	4.597 - 20.997		143111090	918.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.552	11.324	-25.784	74628008	359.1	
S 44 EPH Adjustment 1						
1					806.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					111.6	
S 43 Total EPH						
2					767.1	

QC Flag Legend

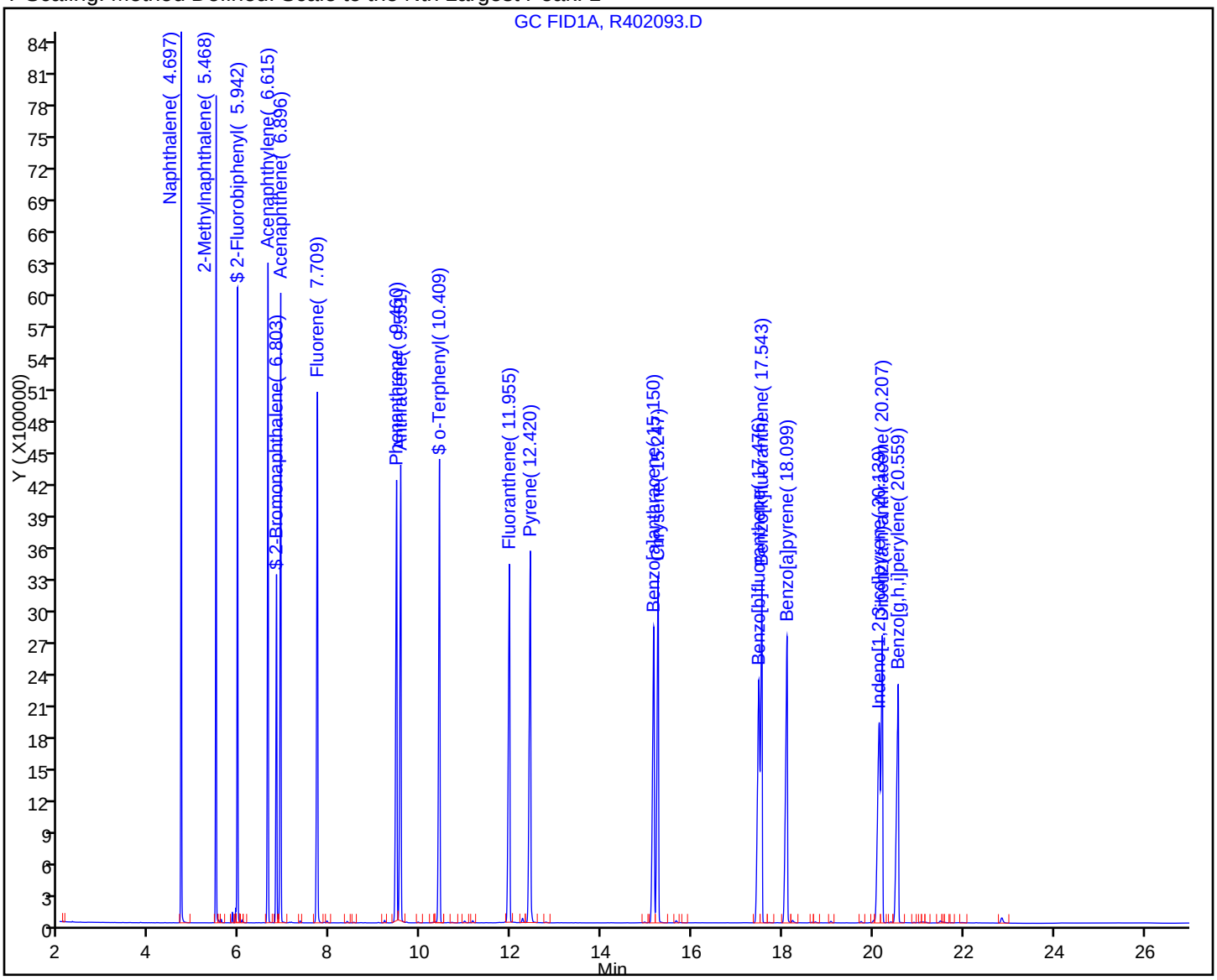
Review Flags
M - Manually Integrated

Report Date: 14-Dec-2011 13:07:41 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402093.D

Injection Date:	14-Dec-2011 01:41:04	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	22
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCV 360-84720/22 Calibration Date: 12/14/2011 01:41

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402093.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		172977		48.1	50.0	-3.8	25.0
n-Decane	Ave	198709	178873		45.0	50.0	-10.0	25.0
Dodecane	Ave	189041	177707		47.0	50.0	-6.0	25.0
C9-C18 Aliphatics	Lin1		207402		296	300	-1.2	25.0
n-Tetradecane	Ave	195285	172715		44.2	50.0	-11.6	25.0
Hexadecane	Ave	183947	172163		46.8	50.0	-6.4	25.0
n-Octadecane	Ave	182400	170999		46.9	50.0	-6.3	25.0
C19	Ave	177362	169195		47.7	50.0	-4.6	25.0
icosane	Ave	175805	155563		44.2	50.0	-11.5	25.0
n-Docosane	Ave	175561	159264		45.4	50.0	-9.3	25.0
n-Tetracosane	Ave	178308	161448		45.3	50.0	-9.5	25.0
n-Hexacosane	Lin1		169165		50.0	50.0	0.0	25.0
C19-C36 Aliphatics	Ave	207807	186570		359	400	-10.2	25.0
n-Octacosane	Ave	189639	172650		45.5	50.0	-9.0	25.0
Triacontane	Ave	182275	177407		48.7	50.0	-2.7	25.0
n-Hexatriacontane	Ave	152480	154510		50.7	50.0	1.3	25.0
1-Chlorooctadecane	Ave	153344	139572		45.5	50.0	-9.0	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCV 360-84720/22 Calibration Date: 12/14/2011 01:41

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402093.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.32	3.22	3.42
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.22	11.32
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.25	9.15	9.35
n-Octadecane	11.22	11.12	11.32
C19	12.19	12.09	12.29
icosane	13.14	13.04	13.24
n-Docosane	14.93	14.83	15.03
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.14	18.04	18.24
C19-C36 Aliphatics	18.55	11.32	25.78
n-Octacosane	19.58	19.48	19.68
Triacontane	20.92	20.82	21.02
n-Hexatriacontane	25.52	25.42	25.62
1-Chlorooctadecane	13.98	13.88	14.08

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402093.D
Lims ID: ccv Client ID:
Inject. Date: 14-Dec-2011 01:41:04 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84720 Lims Sample ID: 22
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m
Last Update: 14-Dec-2011 13:07:41 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH LL
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:32:12

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.942	5.942	0.000	7410973	52.1	
$ 2 2-Bromonaphthalene						
1	6.803	6.803	0.000	4998049	53.1	
$ 3 o-Terphenyl						
1	10.409	10.409	0.000	8975414	50.2	
$ 4 1-Chlorooctadecane						
2	13.979	13.979	0.000	6978621	45.5	
5 n-Nonane						
2	3.316	3.316	0.000	8648851	48.1	
6 n-Decane						
2	4.119	4.119	0.000	8943671	45.0	
7 Naphthalene						
1	4.697	4.697	0.000	9538277	53.9	
8 2-Methylnaphthalene						
1	5.468	5.468	0.000	9181939	53.5	
9 Dodecane						
2	5.678	5.678	0.000	8885346	47.0	
11 Acenaphthylene						
1	6.615	6.615	0.000	9090933	50.8	
12 Acenaphthene						
1	6.896	6.896	0.000	9163270	51.4	
15 n-Tetradecane						
2	7.338	7.338	0.000	8635741	44.2	
14 Fluorene						
1	7.709	7.709	0.000	8997856	52.0	

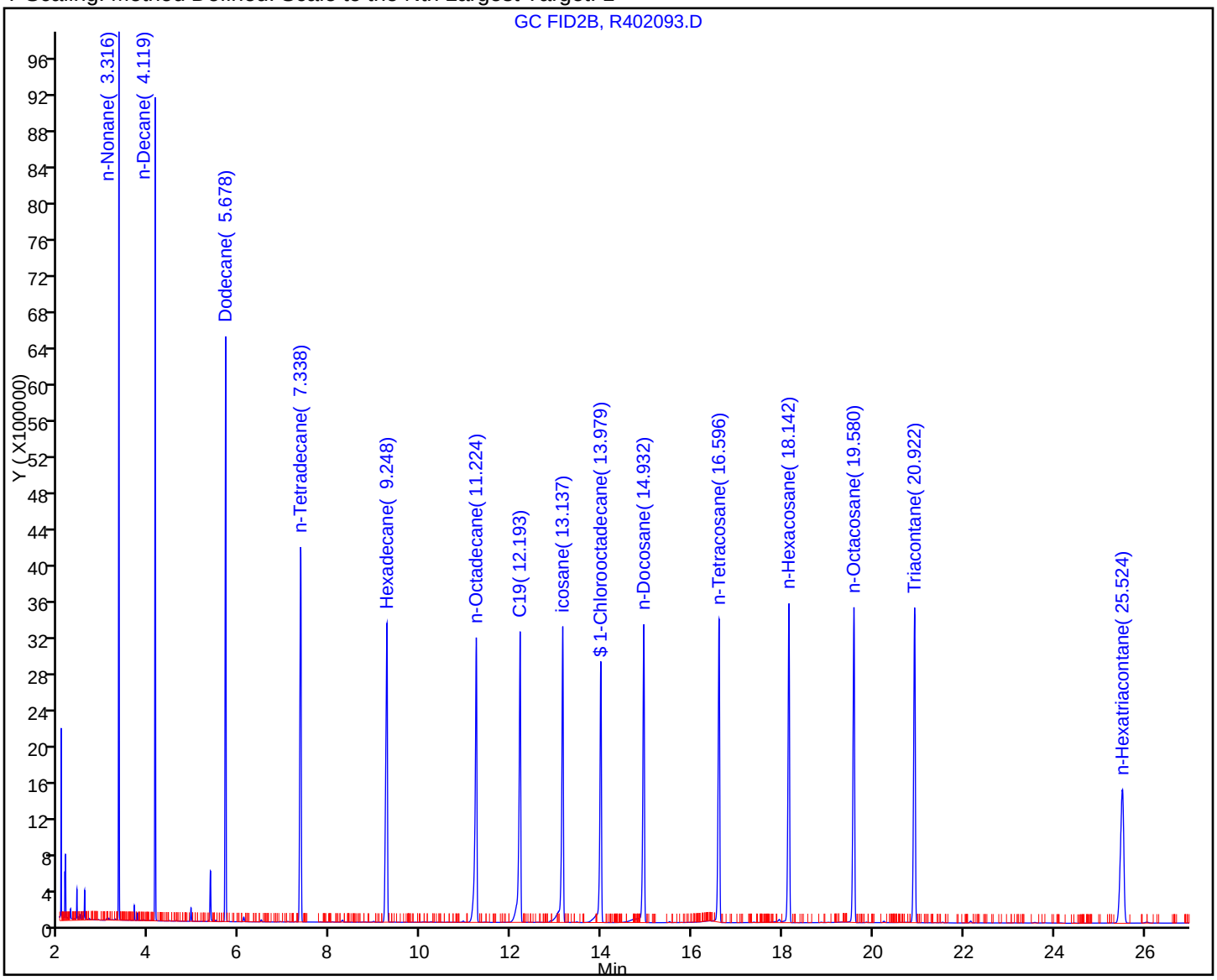
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.248	9.248	0.000	8608174	46.8	
16 Phenanthrene						
1	9.460	9.460	0.000	8536109	51.6	
17 Anthracene						
1	9.551	9.551	0.000	8400701	54.3	
20 n-Octadecane						
2	11.224	11.224	0.000	8549956	46.9	
19 Fluoranthene						
1	11.955	11.955	0.000	8202634	52.0	
22 C19						
2	12.193	12.193	0.000	8459745	47.7	
21 Pyrene						
1	12.420	12.420	0.000	8621436	51.2	
23 icosane						
2	13.137	13.137	0.000	7778165	44.2	
27 n-Docosane						
2	14.932	14.932	0.000	7963211	45.4	
24 Benzo[a]anthracene						
1	15.150	15.150	0.000	7662780	54.7	
25 Chrysene						
1	15.247	15.247	0.000	8006187	55.3	
28 n-Tetracosane						
2	16.596	16.596	0.000	8072381	45.3	
29 Benzo[b]fluoranthene						
1	17.476	17.476	0.000	7960209	57.2	
30 Benzo[k]fluoranthene						
1	17.543	17.543	0.000	7511522	56.0	
31 Benzo[a]pyrene						
1	18.099	18.099	0.000	7915089	55.9	
32 n-Hexacosane						
2	18.142	18.142	0.000	8458261	50.0	
35 n-Octacosane						
2	19.580	19.580	0.000	8632483	45.5	
33 Indeno[1,2,3-cd]pyrene						
1	20.139	20.139	0.000	7525432	58.7	
34 Dibenz(a,h)anthracene						
1	20.207	20.207	0.000	6814062	54.5	
36 Benzo[g,h,i]perylene						
1	20.559	20.559	0.000	7088658	56.7	
37 Triacontane						
2	20.922	20.922	0.000	8870352	48.7	
38 n-Hexatriacontane						M
2	25.524	25.524	0.000	7725521	50.7	M
A 39 C9-C18 Aliphatics						
2	7.267	3.216 - 11.324		62220650	296.3	
A 40 C11-C22 Aromatics						
1	12.800	4.597 - 20.997		143111090	918.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.552	11.324	-25.784	74628008	359.1	
S 44 EPH Adjustment 1						
1					806.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					111.6	
S 43 Total EPH						
2					767.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Dec-2011 13:07:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402093.D
Injection Date: 14-Dec-2011 01:41:04 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 22
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 14-Dec-2011 13:07:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02

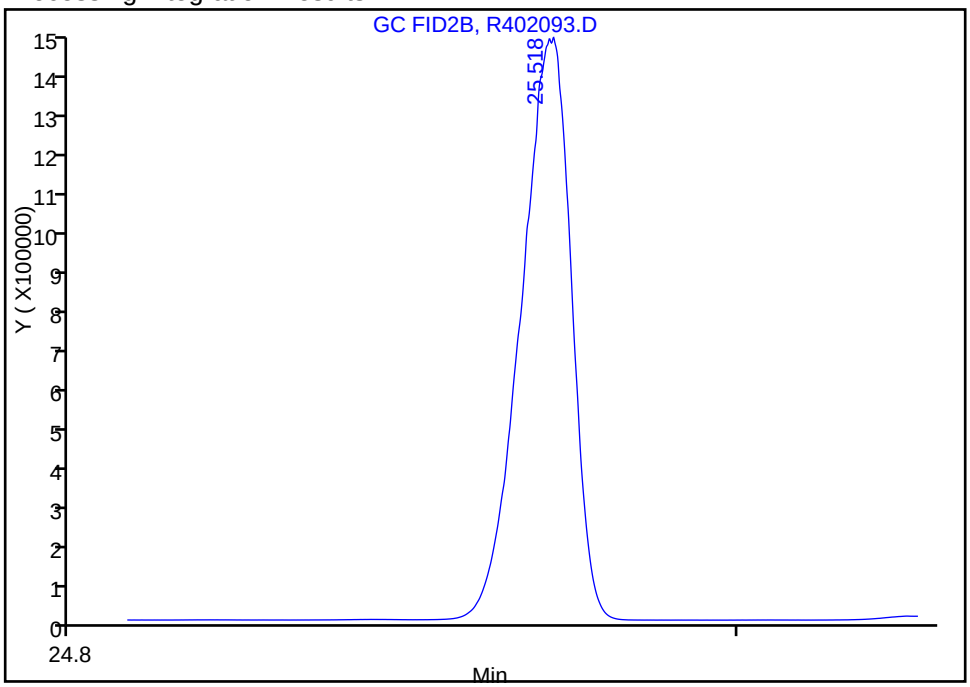
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402093.D		
Injection Date:	14-Dec-2011 01:41:04	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	22
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

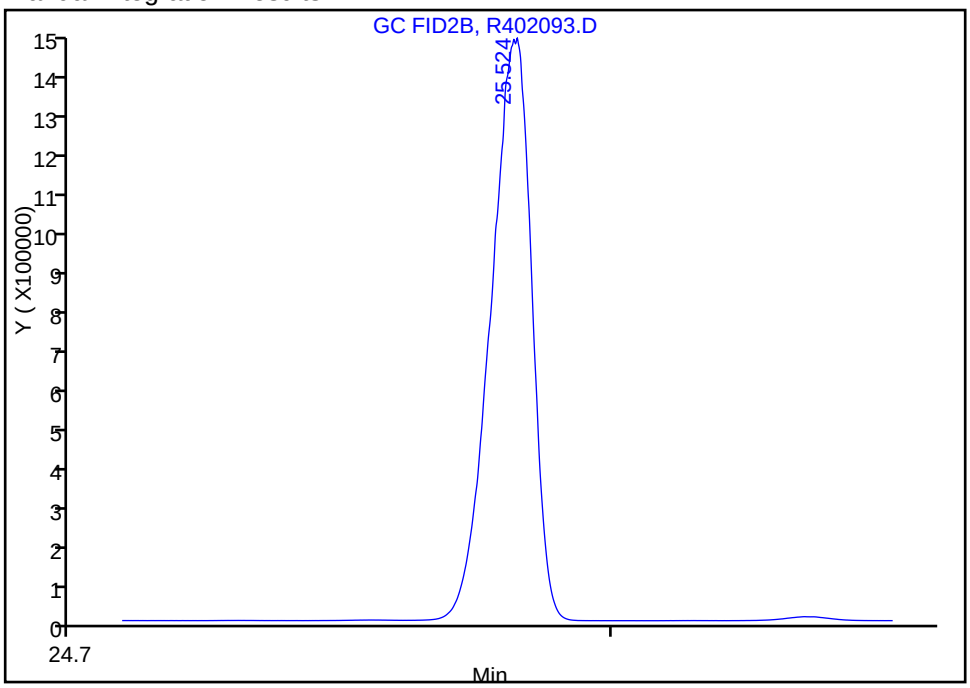
Processing Integration Results

RT: 25.52
Response: 1384086
Amount: 9.077155



Manual Integration Results

RT: 25.52
Response: 7725521
Amount: 50.665745



Reviewer: malanowskiv, 14-Dec-2011 07:06:44
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCV 360-84720/30 Calibration Date: 12/14/2011 12:36

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402111.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	174806		49.4	50.0	-1.3	25.0
2-Methylnaphthalene	Ave	171616	168475		49.1	50.0	-1.8	25.0
Acenaphthylene	Ave	178861	167500		46.8	50.0	-6.4	25.0
Acenaphthene	Ave	178269	168669		47.3	50.0	-5.4	25.0
Fluorene	Ave	172973	165799		47.9	50.0	-4.1	25.0
Phenanthrene	Ave	165465	158237		47.8	50.0	-4.4	25.0
Anthracene	Lin1		156212		50.5	50.0	1.0	25.0
Fluoranthene	Ave	157744	154234		48.9	50.0	-2.2	25.0
Pyrene	Ave	168253	162016		48.1	50.0	-3.7	25.0
C11-C22 Aromatics	Ave	155886	157005		856	850	0.7	25.0
Benzo[a]anthracene	Lin1		144906		51.7	50.0	3.4	25.0
Chrysene	Lin1		151591		52.3	50.0	4.6	25.0
Benzo[b]fluoranthene	Lin1		148349		53.3	50.0	6.6	25.0
Benzo[k]fluoranthene	Lin1		144260		53.7	50.0	7.4	25.0
Benzo[a]pyrene	Lin1		149561		52.8	50.0	5.6	25.0
Indeno[1,2,3-cd]pyrene	Lin1		138034		53.8	50.0	7.6	25.0
Dibenz(a,h)anthracene	Lin1		132577		53.0	50.0	6.0	25.0
Benzo[g,h,i]perylene	Lin1		133664		53.4	50.0	6.8	25.0
2-Fluorobiphenyl	Ave	142273	136027		47.8	50.0	-4.4	25.0
2-Bromonaphthalene	Ave	94136	91938		48.8	50.0	-2.3	25.0
o-Terphenyl	Ave	178720	167030		46.7	50.0	-6.5	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCV 360-84720/30 Calibration Date: 12/14/2011 12:36

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402111.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.62	6.52	6.72
Acenaphthene	6.90	6.80	7.00
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.55	9.45	9.65
Fluoranthene	11.95	11.85	12.05
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics	12.80	4.60	21.00
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.24	15.14	15.34
Benzo[b]fluoranthene	17.48	17.38	17.58
Benzo[k]fluoranthene	17.54	17.44	17.64
Benzo[a]pyrene	18.09	17.99	18.19
Indeno[1,2,3-cd]pyrene	20.14	20.04	20.24
Dibenz(a,h)anthracene	20.21	20.11	20.31
Benzo[g,h,i]perylene	20.55	20.45	20.65
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.80	6.70	6.90
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402111.D
Lims ID: ccv Client ID:
Inject. Date: 14-Dec-2011 12:36:28 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84720 Lims Sample ID: 30
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m
Last Update: 14-Dec-2011 13:07:24 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH LL
Integrator: Falcon
Process Host: CORPRDS01

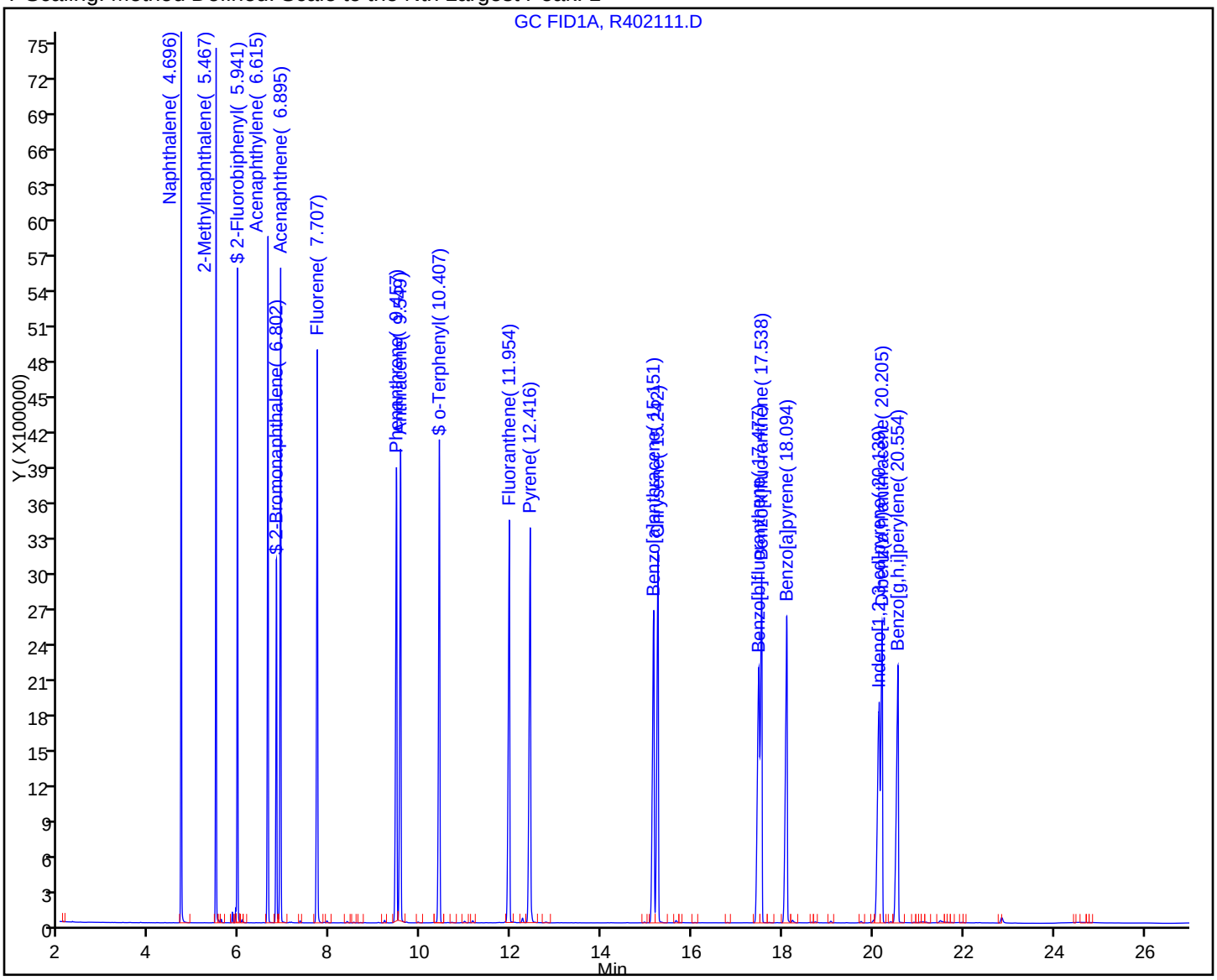
First Level Reviewer: malanowskiv Date: 14-Dec-2011 13:07:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.941	5.941	0.000	6801359	47.8	
$ 2 2-Bromonaphthalene						
1	6.802	6.802	0.000	4596884	48.8	
$ 3 o-Terphenyl						
1	10.407	10.407	0.000	8351484	46.7	
$ 4 1-Chlorooctadecane						
2	13.980	13.980	0.000	7302462	47.6	
5 n-Nonane						
2	3.317	3.317	0.000	8588964	47.8	
6 n-Decane						
2	4.120	4.120	0.000	8836602	44.5	
7 Naphthalene						
1	4.696	4.696	0.000	8740279	49.4	
8 2-Methylnaphthalene						
1	5.467	5.467	0.000	8423761	49.1	
9 Dodecane						
2	5.678	5.678	0.000	8764377	46.4	
11 Acenaphthylene						
1	6.615	6.615	0.000	8374985	46.8	
12 Acenaphthene						
1	6.895	6.895	0.000	8433446	47.3	
15 n-Tetradecane						
2	7.338	7.338	0.000	8508602	43.6	
14 Fluorene						
1	7.707	7.707	0.000	8289952	47.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.244	9.244	0.000	8481348	46.1	
16 Phenanthrene						
1	9.457	9.457	0.000	7911826	47.8	
17 Anthracene						
1	9.549	9.549	0.000	7810580	50.5	
20 n-Octadecane						
2	11.222	11.222	0.000	8413310	46.1	
19 Fluoranthene						
1	11.954	11.954	0.000	7711677	48.9	
22 C19						
2	12.192	12.192	0.000	8327832	47.0	
21 Pyrene						
1	12.416	12.416	0.000	8100800	48.1	
23 icosane						
2	13.136	13.136	0.000	7611776	43.3	
27 n-Docosane						
2	14.929	14.929	0.000	7872180	44.8	
24 Benzo[a]anthracene						
1	15.151	15.151	0.000	7245324	51.7	
25 Chrysene						
1	15.242	15.242	0.000	7579566	52.3	
28 n-Tetracosane						
2	16.595	16.595	0.000	8004909	44.9	
29 Benzo[b]fluoranthene						
1	17.477	17.477	0.000	7417453	53.3	
30 Benzo[k]fluoranthene						
1	17.538	17.538	0.000	7212983	53.7	
31 Benzo[a]pyrene						
1	18.094	18.094	0.000	7478057	52.8	
32 n-Hexacosane						
2	18.141	18.141	0.000	8352032	49.4	
35 n-Octacosane						
2	19.581	19.581	0.000	8585635	45.3	
33 Indeno[1,2,3-cd]pyrene						
1	20.139	20.139	0.000	6901712	53.8	
34 Dibenz(a,h)anthracene						
1	20.205	20.205	0.000	6628849	53.0	
36 Benzo[g,h,i]perylene						
1	20.554	20.554	0.000	6683182	53.4	
37 Triacontane						
2	20.922	20.922	0.000	8833870	48.5	
38 n-Hexatriacontane						
2	25.516	25.516	0.000	7551082	49.5	
A 39 C9-C18 Aliphatics						
2	7.270	3.217 - 11.322		58584117	276.7	
A 40 C11-C22 Aromatics						
1	12.797	4.596 - 20.995		133454454	856.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.554	11.322	-25.767	72899116	350.8	
S 44 EPH Adjustment 1						
1					753.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					103.0	
S 43 Total EPH						
2					730.5	

Report Date: 14-Dec-2011 13:07:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402111.D
Injection Date: 14-Dec-2011 12:36:28 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 30
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCV 360-84720/30 Calibration Date: 12/14/2011 12:36

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402111.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		171779		47.8	50.0	-4.4	25.0
n-Decane	Ave	198709	176732		44.5	50.0	-11.1	25.0
Dodecane	Ave	189041	175288		46.4	50.0	-7.3	25.0
C9-C18 Aliphatics	Lin1		195280		277	300	-7.8	25.0
n-Tetradecane	Ave	195285	170172		43.6	50.0	-12.9	25.0
Hexadecane	Ave	183947	169627		46.1	50.0	-7.8	25.0
n-Octadecane	Ave	182400	168266		46.1	50.0	-7.7	25.0
C19	Ave	177362	166557		47.0	50.0	-6.1	25.0
icosane	Ave	175805	152236		43.3	50.0	-13.4	25.0
n-Docosane	Ave	175561	157444		44.8	50.0	-10.3	25.0
n-Tetracosane	Ave	178308	160098		44.9	50.0	-10.2	25.0
n-Hexacosane	Lin1		167041		49.4	50.0	-1.2	25.0
C19-C36 Aliphatics	Ave	207807	182248		351	400	-12.3	25.0
n-Octacosane	Ave	189639	171713		45.3	50.0	-9.5	25.0
Triacontane	Ave	182275	176677		48.5	50.0	-3.1	25.0
n-Hexatriacontane	Ave	152480	151022		49.5	50.0	-1.0	25.0
1-Chlorooctadecane	Ave	153344	146049		47.6	50.0	-4.8	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: CCV 360-84720/30 Calibration Date: 12/14/2011 12:36

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402111.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.32	3.22	3.42
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.22	11.32
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.24	9.14	9.34
n-Octadecane	11.22	11.12	11.32
C19	12.19	12.09	12.29
icosane	13.14	13.04	13.24
n-Docosane	14.93	14.83	15.03
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.14	18.04	18.24
C19-C36 Aliphatics	18.55	11.32	25.77
n-Octacosane	19.58	19.48	19.68
Triacontane	20.92	20.82	21.02
n-Hexatriacontane	25.52	25.42	25.62
1-Chlorooctadecane	13.98	13.88	14.08

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402111.D
Lims ID: ccv Client ID:
Inject. Date: 14-Dec-2011 12:36:28 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84720 Lims Sample ID: 30
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m
Last Update: 14-Dec-2011 13:07:24 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH LL
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 14-Dec-2011 13:07:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.941	5.941	0.000	6801359	47.8	
$ 2 2-Bromonaphthalene						
1	6.802	6.802	0.000	4596884	48.8	
$ 3 o-Terphenyl						
1	10.407	10.407	0.000	8351484	46.7	
$ 4 1-Chlorooctadecane						
2	13.980	13.980	0.000	7302462	47.6	
5 n-Nonane						
2	3.317	3.317	0.000	8588964	47.8	
6 n-Decane						
2	4.120	4.120	0.000	8836602	44.5	
7 Naphthalene						
1	4.696	4.696	0.000	8740279	49.4	
8 2-Methylnaphthalene						
1	5.467	5.467	0.000	8423761	49.1	
9 Dodecane						
2	5.678	5.678	0.000	8764377	46.4	
11 Acenaphthylene						
1	6.615	6.615	0.000	8374985	46.8	
12 Acenaphthene						
1	6.895	6.895	0.000	8433446	47.3	
15 n-Tetradecane						
2	7.338	7.338	0.000	8508602	43.6	
14 Fluorene						
1	7.707	7.707	0.000	8289952	47.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.244	9.244	0.000	8481348	46.1	
16 Phenanthrene						
1	9.457	9.457	0.000	7911826	47.8	
17 Anthracene						
1	9.549	9.549	0.000	7810580	50.5	
20 n-Octadecane						
2	11.222	11.222	0.000	8413310	46.1	
19 Fluoranthene						
1	11.954	11.954	0.000	7711677	48.9	
22 C19						
2	12.192	12.192	0.000	8327832	47.0	
21 Pyrene						
1	12.416	12.416	0.000	8100800	48.1	
23 icosane						
2	13.136	13.136	0.000	7611776	43.3	
27 n-Docosane						
2	14.929	14.929	0.000	7872180	44.8	
24 Benzo[a]anthracene						
1	15.151	15.151	0.000	7245324	51.7	
25 Chrysene						
1	15.242	15.242	0.000	7579566	52.3	
28 n-Tetracosane						
2	16.595	16.595	0.000	8004909	44.9	
29 Benzo[b]fluoranthene						
1	17.477	17.477	0.000	7417453	53.3	
30 Benzo[k]fluoranthene						
1	17.538	17.538	0.000	7212983	53.7	
31 Benzo[a]pyrene						
1	18.094	18.094	0.000	7478057	52.8	
32 n-Hexacosane						
2	18.141	18.141	0.000	8352032	49.4	
35 n-Octacosane						
2	19.581	19.581	0.000	8585635	45.3	
33 Indeno[1,2,3-cd]pyrene						
1	20.139	20.139	0.000	6901712	53.8	
34 Dibenz(a,h)anthracene						
1	20.205	20.205	0.000	6628849	53.0	
36 Benzo[g,h,i]perylene						
1	20.554	20.554	0.000	6683182	53.4	
37 Triacontane						
2	20.922	20.922	0.000	8833870	48.5	
38 n-Hexatriacontane						
2	25.516	25.516	0.000	7551082	49.5	
A 39 C9-C18 Aliphatics						
2	7.270	3.217 - 11.322		58584117	276.7	
A 40 C11-C22 Aromatics						
1	12.797	4.596 - 20.995		133454454	856.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.554	11.322	-25.767	72899116	350.8	
S 44 EPH Adjustment 1						
1					753.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					103.0	
S 43 Total EPH						
2					730.5	

Report Date: 14-Dec-2011 13:07:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402111.D
Injection Date: 14-Dec-2011 12:36:28 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 30
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: | Lab Sample ID: MB 360-84516/1-A

Matrix: Water | Lab File ID: R402095.D

Analysis Method: MA-EPH-LL | Date Collected:

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 12/14/2011 08:02

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		1.0	1.0
208-96-8	Acenaphthylene	ND		0.30	0.30
120-12-7	Anthracene	ND		1.0	1.0
56-55-3	Benzo[a]anthracene	ND		0.30	0.30
50-32-8	Benzo[a]pyrene	ND		0.20	0.20
205-99-2	Benzo[b]fluoranthene	ND		0.30	0.30
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.50
207-08-9	Benzo[k]fluoranthene	ND		0.30	0.30
218-01-9	Chrysene	ND		1.0	1.0
53-70-3	Dibenz(a,h)anthracene	ND		0.45	0.45
206-44-0	Fluoranthene	ND		1.0	1.0
86-73-7	Fluorene	ND		1.0	1.0
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.45	0.45
91-57-6	2-Methylnaphthalene	ND		1.0	1.0
91-20-3	Naphthalene	ND		1.0	1.0
85-01-8	Phenanthrene	ND		0.20	0.20
129-00-0	Pyrene	ND		1.0	1.0
STL00058	C11-C22 Aromatics	ND		100	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	74		40-140
321-60-8	2-Fluorobiphenyl	74		40-140
84-15-1	o-Terphenyl	73		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402095.D		
Lims ID:	MB 360-84516/1-A	Client ID:	
Inject. Date:	14-Dec-2011 08:02:43	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 360-84516/1-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	84720	Lims Sample ID:	23
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:32:12	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:32:28

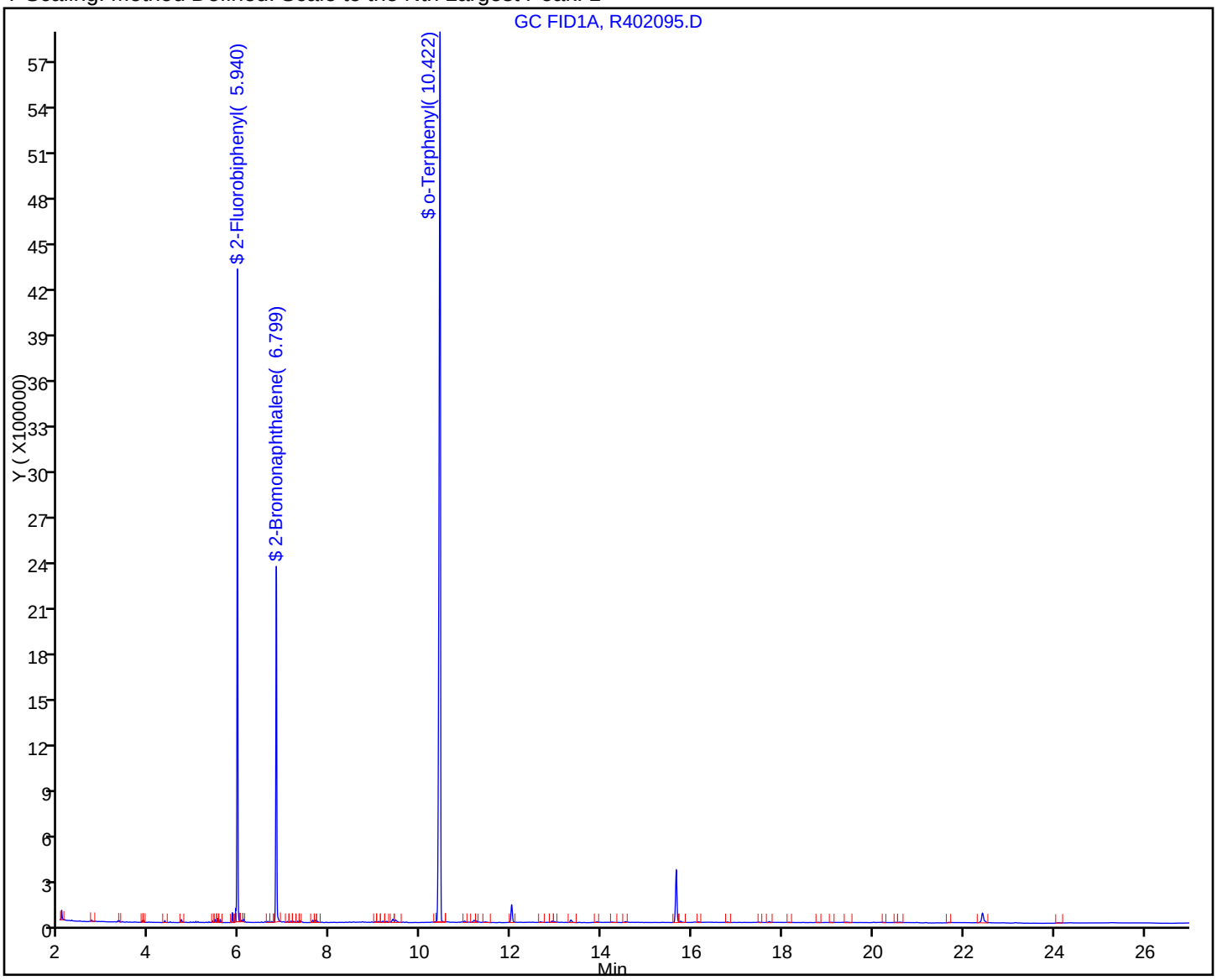
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.940	5.942	-0.002	5248692	36.9	
$ 2 2-Bromonaphthalene						
1	6.799	6.803	-0.004	3472099	36.9	
$ 3 o-Terphenyl						
1	10.422	10.409	0.013	13071267	73.1	
$ 4 1-Chlorooctadecane						
2	13.983	13.979	0.004	11901137	77.6	
A 39 C9-C18 Aliphatics						
2	7.267	3.216 - 11.324		7786734	2.48	
A 40 C11-C22 Aromatics						
1	12.800	4.597 - 20.997		3692029	23.7	
A 41 C19-C36 Aliphatics						
2	18.552	11.324 - 25.784		7584553	36.5	
S 43 Total EPH						
2					62.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					23.7	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:32:28 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402095.D
Injection Date: 14-Dec-2011 08:02:43 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 23
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: MB 360-84516/1-A

Matrix: Water Lab File ID: R402095.D

Analysis Method: MA-EPH-LL Date Collected:

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 12/14/2011 08:02

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		100	100
STL00087	C19-C36 Aliphatics	ND		100	100
STL00306	C9-C18 Aliphatics	ND		100	100
STL00362	Total EPH	ND		100	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	78		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402095.D		
Lims ID:	MB 360-84516/1-A	Client ID:	
Inject. Date:	14-Dec-2011 08:02:43	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 360-84516/1-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	84720	Lims Sample ID:	23
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:32:12	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:32:28

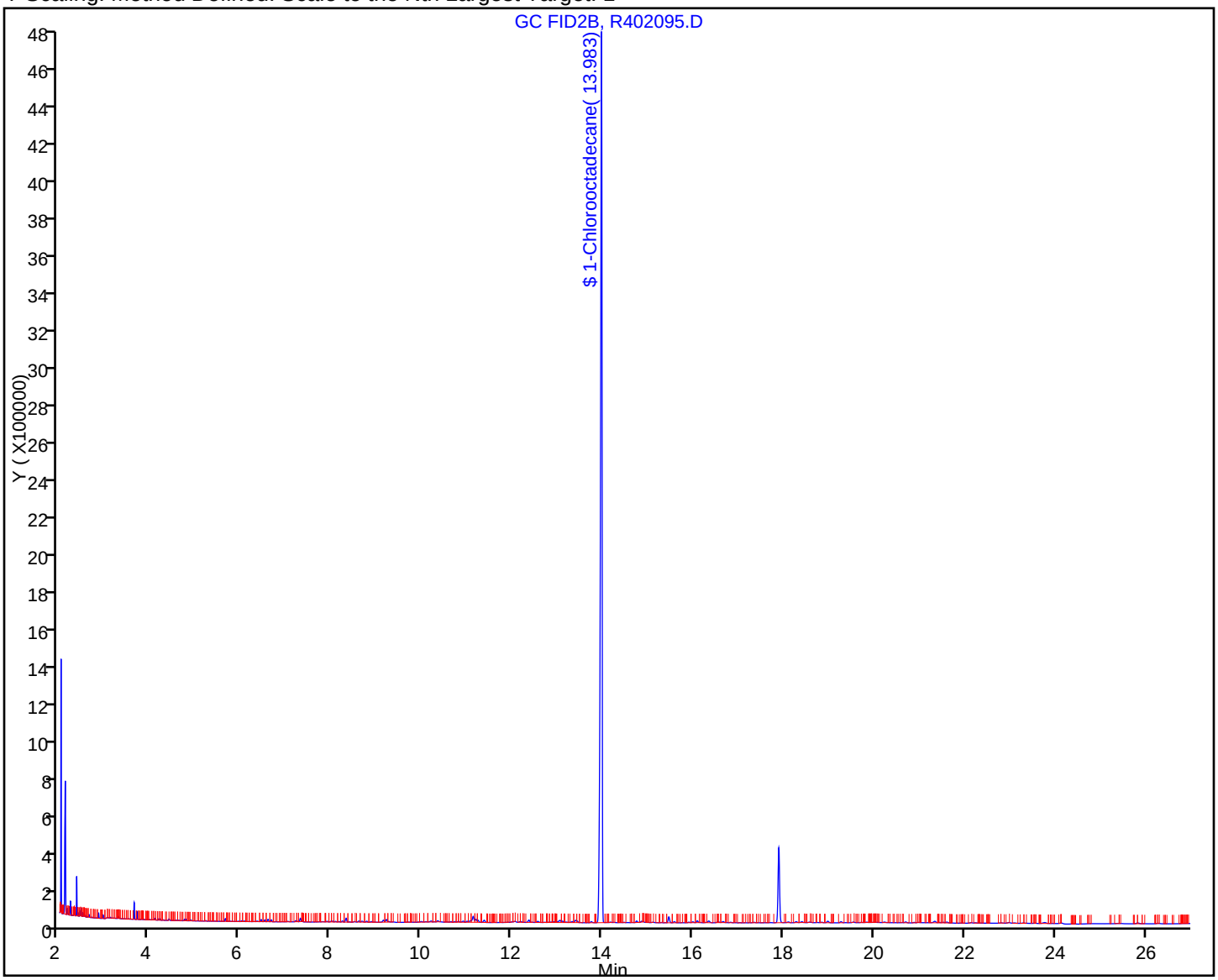
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.940	5.942	-0.002	5248692	36.9	
$ 2 2-Bromonaphthalene						
1	6.799	6.803	-0.004	3472099	36.9	
$ 3 o-Terphenyl						
1	10.422	10.409	0.013	13071267	73.1	
$ 4 1-Chlorooctadecane						
2	13.983	13.979	0.004	11901137	77.6	
A 39 C9-C18 Aliphatics						
2	7.267	3.216 - 11.324		7786734	2.48	
A 40 C11-C22 Aromatics						
1	12.800	4.597 - 20.997		3692029	23.7	
A 41 C19-C36 Aliphatics						
2	18.552	11.324 - 25.784		7584553	36.5	
S 43 Total EPH						
2					62.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					23.7	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:32:28 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402095.D
Injection Date: 14-Dec-2011 08:02:43 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 23
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: | Lab Sample ID: LCS 360-84516/2-A

Matrix: Water | Lab File ID: R402061.D

Analysis Method: MA-EPH-LL | Date Collected:

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 12/13/2011 16:34

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	80.4		1.0	1.0
208-96-8	Acenaphthylene	81.4		0.30	0.30
120-12-7	Anthracene	97.8		1.0	1.0
56-55-3	Benzo[a]anthracene	106		0.30	0.30
50-32-8	Benzo[a]pyrene	105		0.20	0.20
205-99-2	Benzo[b]fluoranthene	117		0.30	0.30
191-24-2	Benzo[g,h,i]perylene	118		0.50	0.50
207-08-9	Benzo[k]fluoranthene	105		0.30	0.30
218-01-9	Chrysene	103		1.0	1.0
53-70-3	Dibenz(a,h)anthracene	110		0.45	0.45
206-44-0	Fluoranthene	97.0		1.0	1.0
86-73-7	Fluorene	89.0		1.0	1.0
193-39-5	Indeno[1,2,3-cd]pyrene	124		0.45	0.45
91-57-6	2-Methylnaphthalene	77.0		1.0	1.0
91-20-3	Naphthalene	69.8		1.0	1.0
85-01-8	Phenanthrene	93.2		0.20	0.20
129-00-0	Pyrene	93.0		1.0	1.0
STL00058	C11-C22 Aromatics	1670		100	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	76		40-140
321-60-8	2-Fluorobiphenyl	76		40-140
84-15-1	o-Terphenyl	91		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402061.D		
Lims ID:	LCS 360-84516/2-A	Client ID:	
Inject. Date:	13-Dec-2011 16:34:34	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 360-84516/2-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	84720	Lims Sample ID:	6
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:30:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.944	-0.005	5427737	38.2	
$ 2 2-Bromonaphthalene						
1	6.799	6.805	-0.006	3571490	37.9	
$ 3 o-Terphenyl						
1	10.422	10.414	0.008	16302164	91.2	
$ 4 1-Chlorooctadecane						
2	13.994	13.979	0.015	12679930	82.7	
5 n-Nonane						
2	3.314	3.311	0.003	3009972	16.7	
6 n-Decane						
2	4.117	4.116	0.001	3800264	19.1	
7 Naphthalene						
1	4.690	4.699	-0.009	6178719	34.9	
8 2-Methylnaphthalene						
1	5.464	5.470	-0.006	6606724	38.5	
9 Dodecane						
2	5.676	5.675	0.001	5094598	26.9	
10 Naphthalene_B						
2	5.741	5.750	-0.009	304488	1.46	
11 Acenaphthylene						
1	6.612	6.619	-0.007	7271400	40.7	
13 2-Methylnaphthalene_B						
2	6.646	6.654	-0.008	370112	1.80	
12 Acenaphthene						
1	6.892	6.899	-0.007	7171360	40.2	
15 n-Tetradecane						
2	7.339	7.335	0.004	6701962	34.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
14 Fluorene						
1	7.705	7.712	-0.007	7690349	44.5	
18 Hexadecane						
2	9.247	9.241	0.006	7456410	40.5	
16 Phenanthrene						
1	9.459	9.464	-0.005	7716890	46.6	
17 Anthracene						
1	9.549	9.556	-0.007	7566338	48.9	
20 n-Octadecane						
2	11.224	11.223	0.001	7805454	42.8	
19 Fluoranthene						
1	11.954	11.961	-0.007	7652476	48.5	
22 C19						
2	12.196	12.193	0.003	7804313	44.0	
21 Pyrene						
1	12.418	12.424	-0.006	7825410	46.5	
23 icosane						
2	13.140	13.138	0.002	7209502	41.0	
27 n-Docosane						
2	14.934	14.930	0.004	7370848	42.0	
24 Benzo[a]anthracene						
1	15.149	15.153	-0.004	7425963	53.0	
25 Chrysene						
1	15.247	15.249	-0.002	7477501	51.6	
28 n-Tetracosane						
2	16.597	16.597	0.000	7489072	42.0	
29 Benzo[b]fluoranthene						
1	17.481	17.474	0.007	8113675	58.3	
30 Benzo[k]fluoranthene						
1	17.543	17.544	-0.001	7066656	52.6	
31 Benzo[a]pyrene						
1	18.100	18.099	0.001	7435151	52.5	
32 n-Hexacosane						
2	18.144	18.144	0.000	7790983	46.1	
35 n-Octacosane						
2	19.581	19.584	-0.003	7822100	41.2	
33 Indeno[1,2,3-cd]pyrene						
1	20.149	20.146	0.003	7924024	61.8	
34 Dibenz(a,h)anthracene						
1	20.210	20.209	0.001	6873041	55.0	
36 Benzo[g,h,i]perylene						
1	20.563	20.561	0.002	7359486	58.9	
37 Triacontane						
2	20.925	20.923	0.002	8226737	45.1	
38 n-Hexatriacontane						
2	25.527	25.518	0.009	8285137	54.3	
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		36652915	159.3	

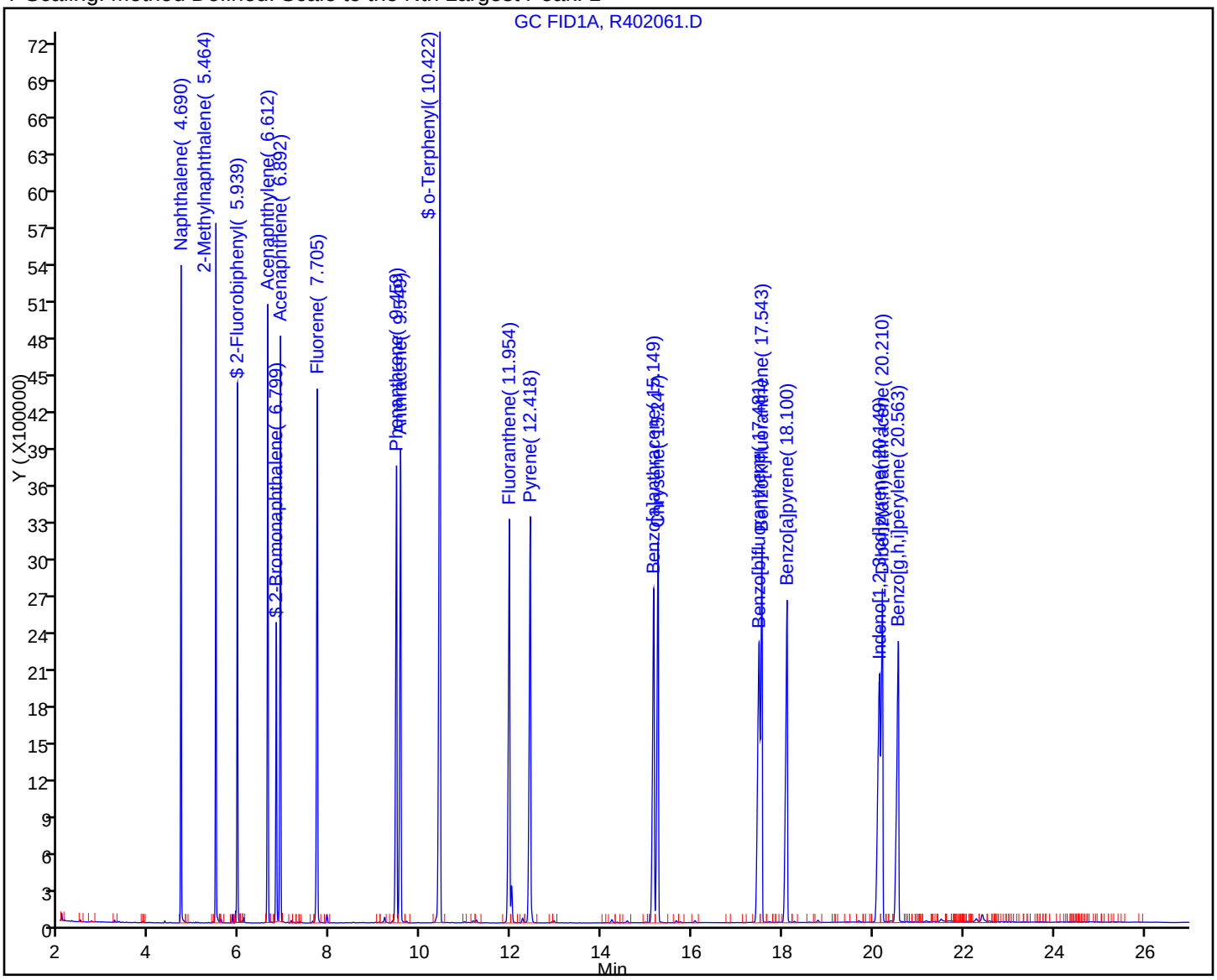
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		130202066	835.2	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		78051510	375.6	

Report Date: 14-Dec-2011 11:30:47 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402061.D

Injection Date:	13-Dec-2011 16:34:34	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	6
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: LCS 360-84516/2-A

Matrix: Water Lab File ID: R402061.D

Analysis Method: MA-EPH-LL Date Collected:

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 12/13/2011 16:34

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	751		100	100
STL00306	C9-C18 Aliphatics	317		100	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	83		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402061.D		
Lims ID:	LCS 360-84516/2-A	Client ID:	
Inject. Date:	13-Dec-2011 16:34:34	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 360-84516/2-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	84720	Lims Sample ID:	6
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:30:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.944	-0.005	5427737	38.2	
$ 2 2-Bromonaphthalene						
1	6.799	6.805	-0.006	3571490	37.9	
$ 3 o-Terphenyl						
1	10.422	10.414	0.008	16302164	91.2	
$ 4 1-Chlorooctadecane						
2	13.994	13.979	0.015	12679930	82.7	
5 n-Nonane						
2	3.314	3.311	0.003	3009972	16.7	
6 n-Decane						
2	4.117	4.116	0.001	3800264	19.1	
7 Naphthalene						
1	4.690	4.699	-0.009	6178719	34.9	
8 2-Methylnaphthalene						
1	5.464	5.470	-0.006	6606724	38.5	
9 Dodecane						
2	5.676	5.675	0.001	5094598	26.9	
10 Naphthalene_B						
2	5.741	5.750	-0.009	304488	1.46	
11 Acenaphthylene						
1	6.612	6.619	-0.007	7271400	40.7	
13 2-Methylnaphthalene_B						
2	6.646	6.654	-0.008	370112	1.80	
12 Acenaphthene						
1	6.892	6.899	-0.007	7171360	40.2	
15 n-Tetradecane						
2	7.339	7.335	0.004	6701962	34.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
14 Fluorene						
1	7.705	7.712	-0.007	7690349	44.5	
18 Hexadecane						
2	9.247	9.241	0.006	7456410	40.5	
16 Phenanthrene						
1	9.459	9.464	-0.005	7716890	46.6	
17 Anthracene						
1	9.549	9.556	-0.007	7566338	48.9	
20 n-Octadecane						
2	11.224	11.223	0.001	7805454	42.8	
19 Fluoranthene						
1	11.954	11.961	-0.007	7652476	48.5	
22 C19						
2	12.196	12.193	0.003	7804313	44.0	
21 Pyrene						
1	12.418	12.424	-0.006	7825410	46.5	
23 icosane						
2	13.140	13.138	0.002	7209502	41.0	
27 n-Docosane						
2	14.934	14.930	0.004	7370848	42.0	
24 Benzo[a]anthracene						
1	15.149	15.153	-0.004	7425963	53.0	
25 Chrysene						
1	15.247	15.249	-0.002	7477501	51.6	
28 n-Tetracosane						
2	16.597	16.597	0.000	7489072	42.0	
29 Benzo[b]fluoranthene						
1	17.481	17.474	0.007	8113675	58.3	
30 Benzo[k]fluoranthene						
1	17.543	17.544	-0.001	7066656	52.6	
31 Benzo[a]pyrene						
1	18.100	18.099	0.001	7435151	52.5	
32 n-Hexacosane						
2	18.144	18.144	0.000	7790983	46.1	
35 n-Octacosane						
2	19.581	19.584	-0.003	7822100	41.2	
33 Indeno[1,2,3-cd]pyrene						
1	20.149	20.146	0.003	7924024	61.8	
34 Dibenz(a,h)anthracene						
1	20.210	20.209	0.001	6873041	55.0	
36 Benzo[g,h,i]perylene						
1	20.563	20.561	0.002	7359486	58.9	
37 Triacontane						
2	20.925	20.923	0.002	8226737	45.1	
38 n-Hexatriacontane						
2	25.527	25.518	0.009	8285137	54.3	
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		36652915	159.3	

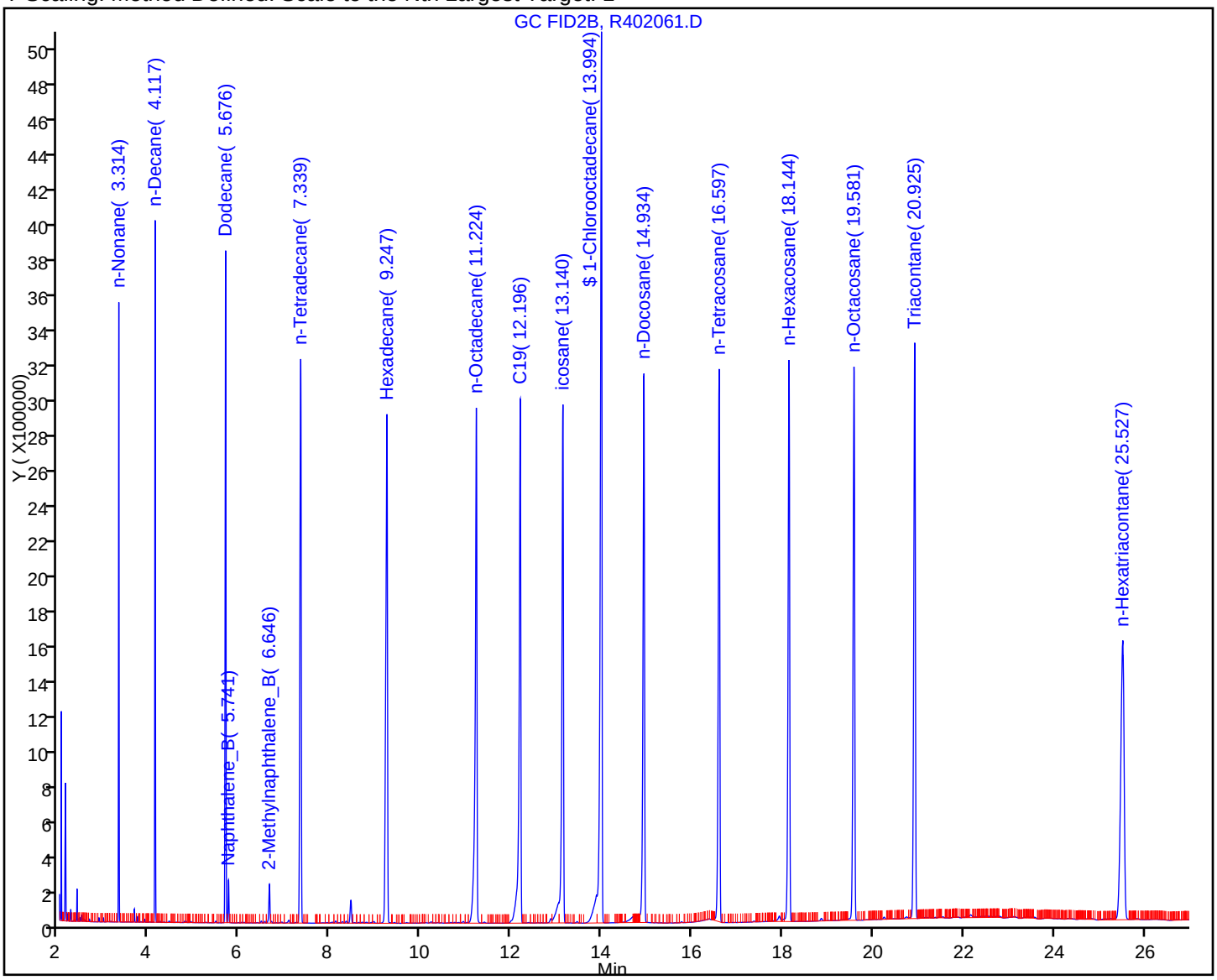
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		130202066	835.2	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		78051510	375.6	

Report Date: 14-Dec-2011 11:30:48 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402061.D

Injection Date:	13-Dec-2011 16:34:34	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	6
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: | Lab Sample ID: LCSD 360-84516/3-A

Matrix: Water | Lab File ID: R402063.D

Analysis Method: MA-EPH-LL | Date Collected:

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 12/13/2011 17:08

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	76.2		1.0	1.0
208-96-8	Acenaphthylene	76.6		0.30	0.30
120-12-7	Anthracene	90.0		1.0	1.0
56-55-3	Benzo[a]anthracene	96.0		0.30	0.30
50-32-8	Benzo[a]pyrene	97.2		0.20	0.20
205-99-2	Benzo[b]fluoranthene	103		0.30	0.30
191-24-2	Benzo[g,h,i]perylene	110		0.50	0.50
207-08-9	Benzo[k]fluoranthene	99.0		0.30	0.30
218-01-9	Chrysene	93.8		1.0	1.0
53-70-3	Dibenz(a,h)anthracene	105		0.45	0.45
206-44-0	Fluoranthene	88.2		1.0	1.0
86-73-7	Fluorene	83.2		1.0	1.0
193-39-5	Indeno[1,2,3-cd]pyrene	111		0.45	0.45
91-57-6	2-Methylnaphthalene	72.4		1.0	1.0
91-20-3	Naphthalene	65.0		1.0	1.0
85-01-8	Phenanthrene	84.8		0.20	0.20
129-00-0	Pyrene	84.8		1.0	1.0
STL00058	C11-C22 Aromatics	1540		100	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	75		40-140
321-60-8	2-Fluorobiphenyl	75		40-140
84-15-1	o-Terphenyl	83		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402063.D		
Lims ID:	LCSD 360-84516/3-A	Client ID:	
Inject. Date:	13-Dec-2011 17:08:39	Dil. Factor:	1.0000
Sample Type:	LCSD		
Sample ID:	LCSD 360-84516/3-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	84720	Lims Sample ID:	7
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:30:52

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.944	-0.006	5368241	37.7	
$ 2 2-Bromonaphthalene						
1	6.798	6.805	-0.007	3530651	37.5	
$ 3 o-Terphenyl						
1	10.420	10.414	0.006	14780302	82.7	
$ 4 1-Chlorooctadecane						
2	13.989	13.979	0.010	12218659	79.7	
5 n-Nonane						
2	3.313	3.311	0.002	2530523	14.0	
6 n-Decane						
2	4.116	4.116	0.000	3226945	16.2	
7 Naphthalene						
1	4.690	4.699	-0.009	5759120	32.5	
8 2-Methylnaphthalene						
1	5.462	5.470	-0.008	6219231	36.2	
9 Dodecane						
2	5.676	5.675	0.001	4685378	24.8	
10 Naphthalene_B						
2	5.741	5.750	-0.009	202215	0.9676	
11 Acenaphthylene						
1	6.611	6.619	-0.008	6849040	38.3	
13 2-Methylnaphthalene_B						
2	6.646	6.654	-0.008	264239	1.29	
12 Acenaphthene						
1	6.891	6.899	-0.008	6792419	38.1	
15 n-Tetradecane						
2	7.339	7.335	0.004	6499751	33.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
14 Fluorene						
1	7.705	7.712	-0.007	7187343	41.6	
18 Hexadecane						
2	9.245	9.241	0.004	7315613	39.8	
16 Phenanthrene						
1	9.456	9.464	-0.008	7009807	42.4	
17 Anthracene						
1	9.547	9.556	-0.009	6963490	45.0	
20 n-Octadecane						
2	11.226	11.223	0.003	7658648	42.0	
19 Fluoranthene						
1	11.952	11.961	-0.009	6963197	44.1	
22 C19						
2	12.195	12.193	0.002	7627021	43.0	
21 Pyrene						
1	12.416	12.424	-0.008	7133267	42.4	
23 icosane						
2	13.137	13.138	-0.001	7027939	40.0	
27 n-Docosane						
2	14.930	14.930	0.000	7193835	41.0	
24 Benzo[a]anthracene						
1	15.145	15.153	-0.008	6730387	48.0	
25 Chrysene						
1	15.242	15.249	-0.007	6796207	46.9	
28 n-Tetracosane						
2	16.597	16.597	0.000	7372749	41.3	
29 Benzo[b]fluoranthene						
1	17.472	17.474	-0.002	7150379	51.4	
30 Benzo[k]fluoranthene						
1	17.537	17.544	-0.007	6652460	49.5	
31 Benzo[a]pyrene						
1	18.096	18.099	-0.003	6884667	48.6	
32 n-Hexacosane						
2	18.143	18.144	-0.001	7616879	45.0	
35 n-Octacosane						
2	19.580	19.584	-0.004	7616342	40.2	
33 Indeno[1,2,3-cd]pyrene						
1	20.140	20.146	-0.006	7142421	55.7	
34 Dibenz(a,h)anthracene						
1	20.206	20.209	-0.003	6558154	52.5	
36 Benzo[g,h,i]perylene						
1	20.557	20.561	-0.004	6877594	55.0	
37 Triacontane						
2	20.925	20.923	0.002	8041607	44.1	
38 n-Hexatriacontane						M
2	25.527	25.518	0.009	7971781	52.3	M
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		36007011	154.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		120016171	769.9	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		68358929	329.0	

QC Flag Legend

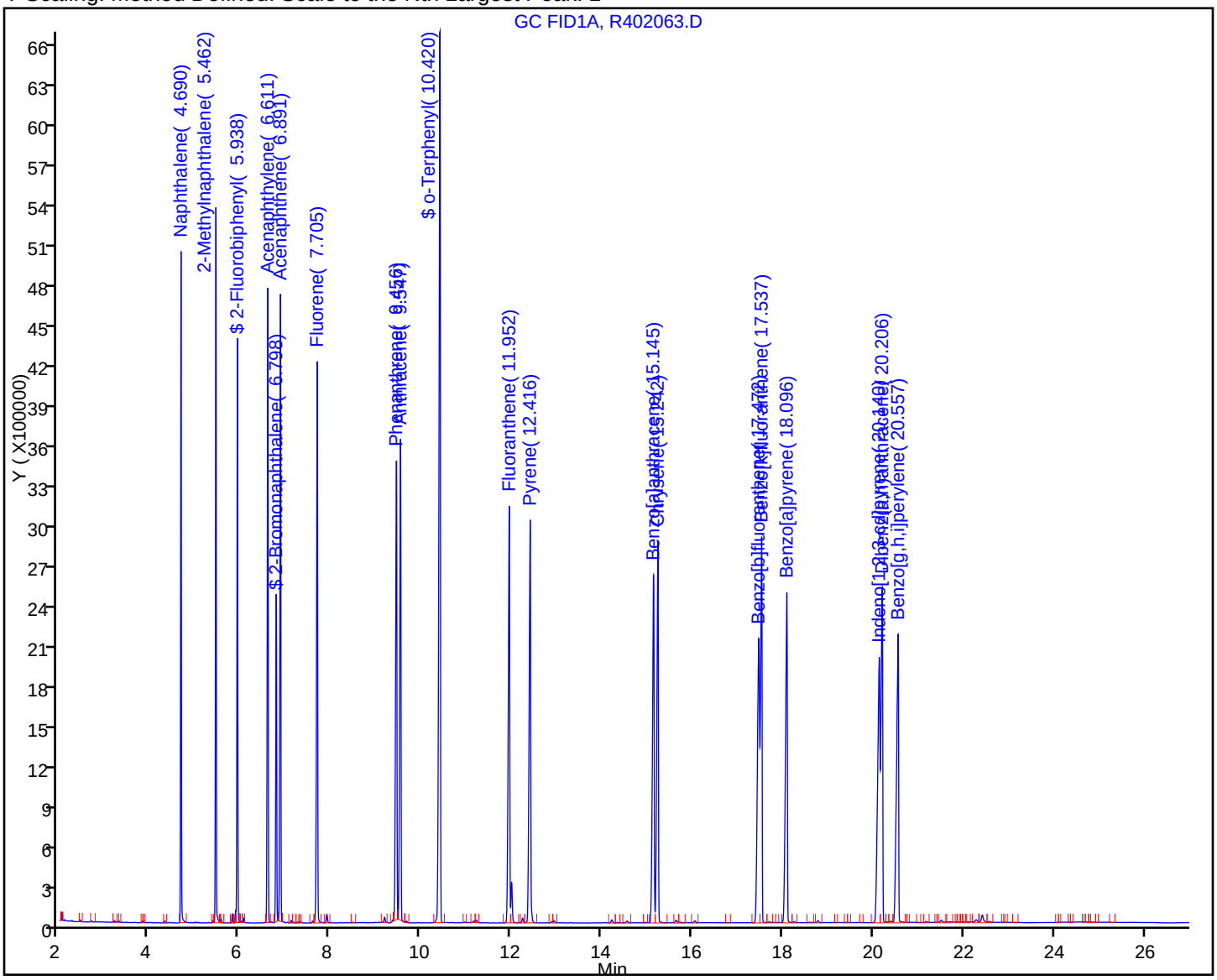
Review Flags
M - Manually Integrated

Report Date: 14-Dec-2011 11:30:52 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402063.D

Injection Date:	13-Dec-2011 17:08:39	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	7
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: Lab Sample ID: LCSD 360-84516/3-A

Matrix: Water Lab File ID: R402063.D

Analysis Method: MA-EPH-LL Date Collected:

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 12/13/2011 17:08

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	658		100	100
STL00306	C9-C18 Aliphatics	310		100	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	80		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402063.D		
Lims ID:	LCSD 360-84516/3-A	Client ID:	
Inject. Date:	13-Dec-2011 17:08:39	Dil. Factor:	1.0000
Sample Type:	LCSD		
Sample ID:	LCSD 360-84516/3-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	84720	Lims Sample ID:	7
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:30:52

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.944	-0.006	5368241	37.7	
$ 2 2-Bromonaphthalene						
1	6.798	6.805	-0.007	3530651	37.5	
$ 3 o-Terphenyl						
1	10.420	10.414	0.006	14780302	82.7	
$ 4 1-Chlorooctadecane						
2	13.989	13.979	0.010	12218659	79.7	
5 n-Nonane						
2	3.313	3.311	0.002	2530523	14.0	
6 n-Decane						
2	4.116	4.116	0.000	3226945	16.2	
7 Naphthalene						
1	4.690	4.699	-0.009	5759120	32.5	
8 2-Methylnaphthalene						
1	5.462	5.470	-0.008	6219231	36.2	
9 Dodecane						
2	5.676	5.675	0.001	4685378	24.8	
10 Naphthalene_B						
2	5.741	5.750	-0.009	202215	0.9676	
11 Acenaphthylene						
1	6.611	6.619	-0.008	6849040	38.3	
13 2-Methylnaphthalene_B						
2	6.646	6.654	-0.008	264239	1.29	
12 Acenaphthene						
1	6.891	6.899	-0.008	6792419	38.1	
15 n-Tetradecane						
2	7.339	7.335	0.004	6499751	33.3	

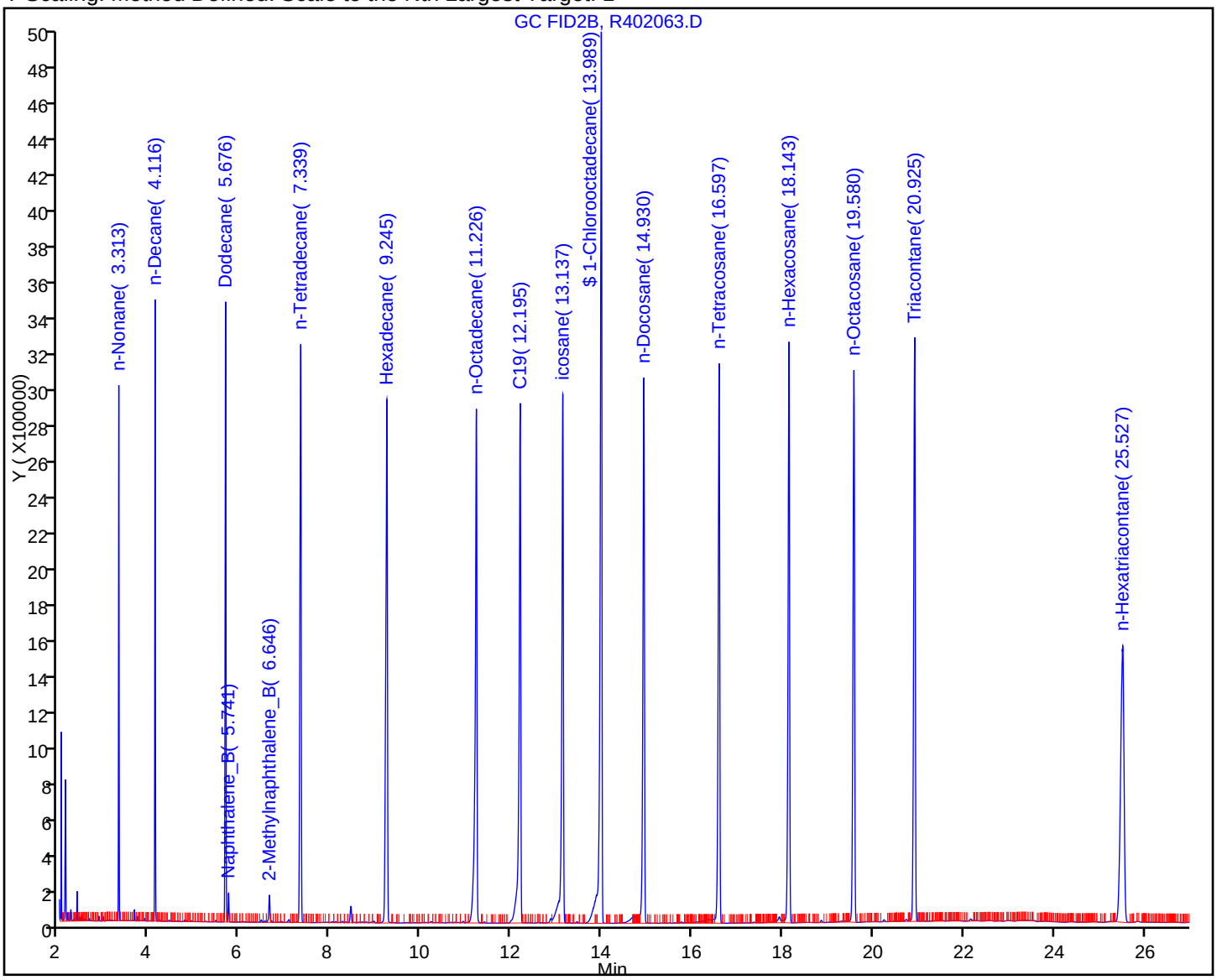
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
14 Fluorene						
1	7.705	7.712	-0.007	7187343	41.6	
18 Hexadecane						
2	9.245	9.241	0.004	7315613	39.8	
16 Phenanthrene						
1	9.456	9.464	-0.008	7009807	42.4	
17 Anthracene						
1	9.547	9.556	-0.009	6963490	45.0	
20 n-Octadecane						
2	11.226	11.223	0.003	7658648	42.0	
19 Fluoranthene						
1	11.952	11.961	-0.009	6963197	44.1	
22 C19						
2	12.195	12.193	0.002	7627021	43.0	
21 Pyrene						
1	12.416	12.424	-0.008	7133267	42.4	
23 icosane						
2	13.137	13.138	-0.001	7027939	40.0	
27 n-Docosane						
2	14.930	14.930	0.000	7193835	41.0	
24 Benzo[a]anthracene						
1	15.145	15.153	-0.008	6730387	48.0	
25 Chrysene						
1	15.242	15.249	-0.007	6796207	46.9	
28 n-Tetracosane						
2	16.597	16.597	0.000	7372749	41.3	
29 Benzo[b]fluoranthene						
1	17.472	17.474	-0.002	7150379	51.4	
30 Benzo[k]fluoranthene						
1	17.537	17.544	-0.007	6652460	49.5	
31 Benzo[a]pyrene						
1	18.096	18.099	-0.003	6884667	48.6	
32 n-Hexacosane						
2	18.143	18.144	-0.001	7616879	45.0	
35 n-Octacosane						
2	19.580	19.584	-0.004	7616342	40.2	
33 Indeno[1,2,3-cd]pyrene						
1	20.140	20.146	-0.006	7142421	55.7	
34 Dibenz(a,h)anthracene						
1	20.206	20.209	-0.003	6558154	52.5	
36 Benzo[g,h,i]perylene						
1	20.557	20.561	-0.004	6877594	55.0	
37 Triacontane						
2	20.925	20.923	0.002	8041607	44.1	
38 n-Hexatriacontane						M
2	25.527	25.518	0.009	7971781	52.3	M
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		36007011	154.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		120016171	769.9	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		68358929	329.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Dec-2011 11:30:53 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402063.D
Injection Date: 13-Dec-2011 17:08:39 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 7
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 14-Dec-2011 11:30:53 Chrom Revision: 2.0 29-Sep-2011 09:38:02

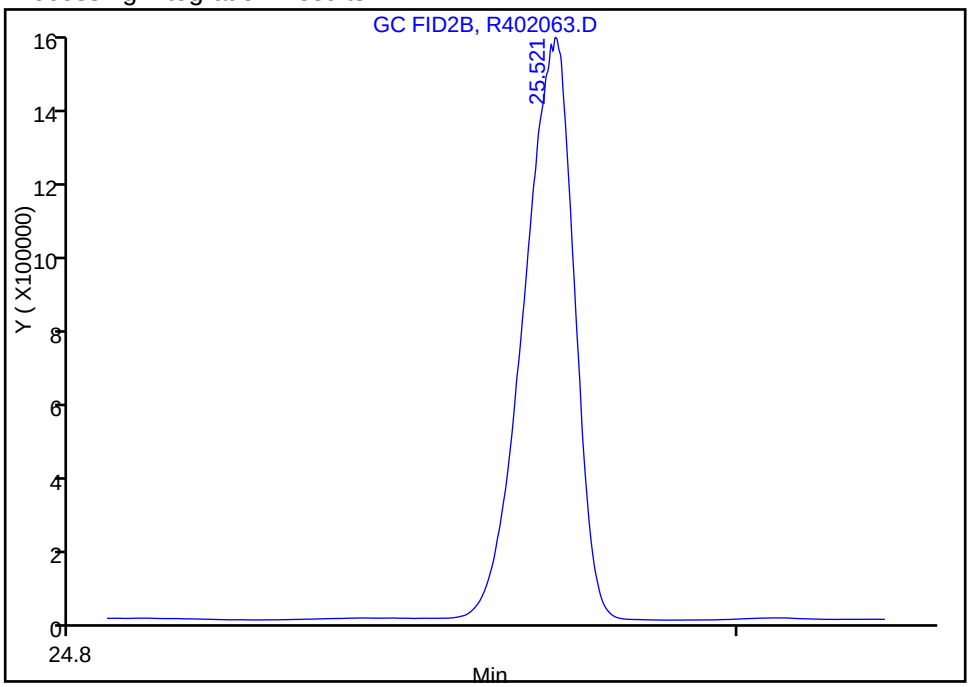
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402063.D		
Injection Date:	13-Dec-2011 17:08:39	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	7
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

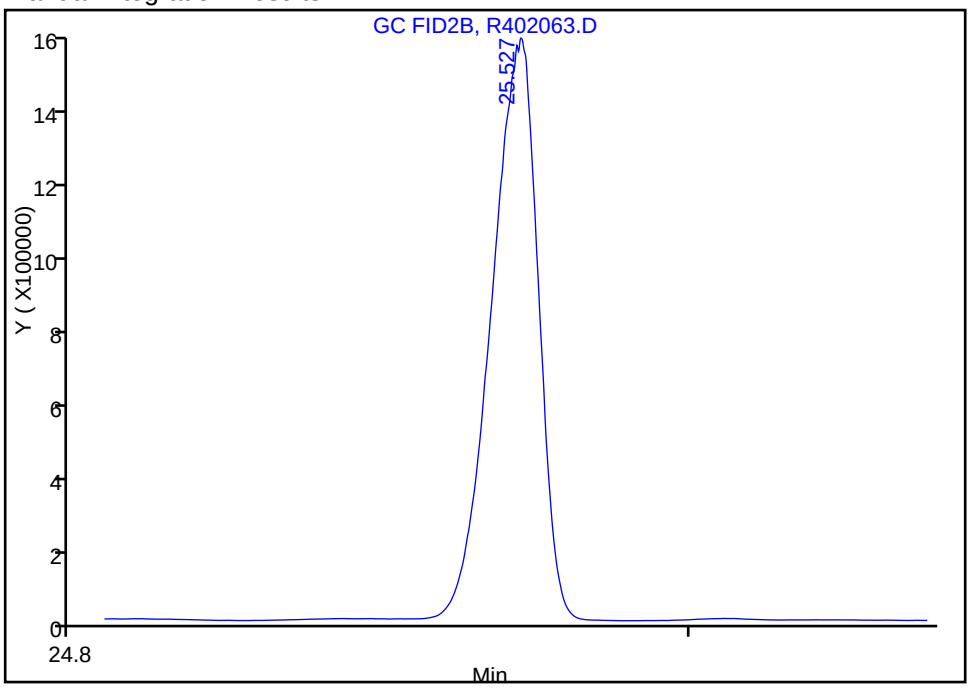
Processing Integration Results

RT: 25.52
Response: 4528275
Amount: 29.697470



Manual Integration Results

RT: 25.53
Response: 7971781
Amount: 52.280775



Reviewer: malanowskiv, 14-Dec-2011 07:35:32
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 MS | Lab Sample ID: 360-37900-4 MS

Matrix: Water | Lab File ID: R402071.D

Analysis Method: MA-EPH-LL | Date Collected: 12/01/2011 10:45

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1030(mL) | Date Analyzed: 12/13/2011 19:25

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	73.0		0.97	0.97
208-96-8	Acenaphthylene	73.0		0.29	0.29
120-12-7	Anthracene	91.3		0.97	0.97
56-55-3	Benzo[a]anthracene	97.9		0.29	0.29
50-32-8	Benzo[a]pyrene	96.7		0.19	0.19
205-99-2	Benzo[b]fluoranthene	103		0.29	0.29
191-24-2	Benzo[g,h,i]perylene	105		0.49	0.49
207-08-9	Benzo[k]fluoranthene	99.4		0.29	0.29
218-01-9	Chrysene	95.1		0.97	0.97
53-70-3	Dibenz(a,h)anthracene	100		0.44	0.44
206-44-0	Fluoranthene	90.5		0.97	0.97
86-73-7	Fluorene	82.1		0.97	0.97
193-39-5	Indeno[1,2,3-cd]pyrene	109		0.44	0.44
91-57-6	2-Methylnaphthalene	64.5		0.97	0.97
91-20-3	Naphthalene	56.9		0.97	0.97
85-01-8	Phenanthrene	86.0		0.19	0.19
129-00-0	Pyrene	86.8		0.97	0.97
STL00058	C11-C22 Aromatics	1520		97	97

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	86		40-140
321-60-8	2-Fluorobiphenyl	85		40-140
84-15-1	o-Terphenyl	84		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402071.D		
Lims ID:	360-37900-B-4-A MS	Client ID:	BC-GW-MW06-120111 MS
Inject. Date:	13-Dec-2011 19:25:31	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	360-37900-B-4-A MS		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	22
Lims Batch ID:	84720	Lims Sample ID:	11
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:17

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.944	-0.005	6081548	42.7	
$ 2 2-Bromonaphthalene						
1	6.801	6.805	-0.004	4044170	43.0	
$ 3 o-Terphenyl						
1	10.419	10.414	0.005	14967946	83.8	
$ 4 1-Chlorooctadecane						
2	13.987	13.979	0.008	10810111	70.5	
5 n-Nonane						
2	3.312	3.311	0.001	741011	4.00	
6 n-Decane						
2	4.114	4.116	-0.002	1132848	5.70	
7 Naphthalene						
1	4.691	4.699	-0.008	5186554	29.3	
8 2-Methylnaphthalene						
1	5.462	5.470	-0.008	5695493	33.2	
9 Dodecane						
2	5.675	5.675	0.000	3085037	16.3	
10 Naphthalene_B						
2	5.740	5.750	-0.010	198025	0.9475	
11 Acenaphthylene						
1	6.612	6.619	-0.007	6721677	37.6	
13 2-Methylnaphthalene_B						
2	6.647	6.654	-0.007	204535	1.00	
12 Acenaphthene						
1	6.892	6.899	-0.007	6701315	37.6	
15 n-Tetradecane						
2	7.337	7.335	0.002	5627181	28.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
14 Fluorene						
1	7.706	7.712	-0.006	7312690	42.3	
18 Hexadecane						
2	9.245	9.241	0.004	6658304	36.2	
16 Phenanthrene						
1	9.457	9.464	-0.007	7326854	44.3	
17 Anthracene						
1	9.548	9.556	-0.008	7264422	47.0	
20 n-Octadecane						
2	11.225	11.223	0.002	7157948	39.2	
19 Fluoranthene						
1	11.955	11.961	-0.006	7352151	46.6	
22 C19						
2	12.191	12.193	-0.002	7175506	40.5	
21 Pyrene						
1	12.417	12.424	-0.007	7527862	44.7	
23 icosane						
2	13.136	13.138	-0.002	7206034	41.0	
27 n-Docosane						
2	14.929	14.930	-0.001	6850738	39.0	
24 Benzo[a]anthracene						
1	15.148	15.153	-0.005	7061461	50.4	
25 Chrysene						
1	15.246	15.249	-0.003	7105452	49.0	
28 n-Tetracosane						
2	16.596	16.597	-0.001	7033293	39.4	
29 Benzo[b]fluoranthene						
1	17.472	17.474	-0.002	7362686	52.9	
30 Benzo[k]fluoranthene						
1	17.537	17.544	-0.007	6874789	51.2	
31 Benzo[a]pyrene						
1	18.097	18.099	-0.002	7057154	49.8	
32 n-Hexacosane						
2	18.139	18.144	-0.005	7256047	42.9	
35 n-Octacosane						
2	19.577	19.584	-0.007	7262185	38.3	
33 Indeno[1,2,3-cd]pyrene						
1	20.142	20.146	-0.004	7194784	56.1	
34 Dibenz(a,h)anthracene						
1	20.206	20.209	-0.003	6437115	51.5	
36 Benzo[g,h,i]perylene						
1	20.557	20.561	-0.004	6760232	54.0	
37 Triacontane						
2	20.922	20.923	-0.001	7600248	41.7	
38 n-Hexatriacontane						M
2	25.519	25.518	0.001	6664093	43.7	M
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		34617101	147.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		121757439	781.1	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		63846610	307.2	
S 43 Total EPH						
2					565.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					111.2	
S 44 EPH Adjustment 1						
1					669.9	

QC Flag Legend

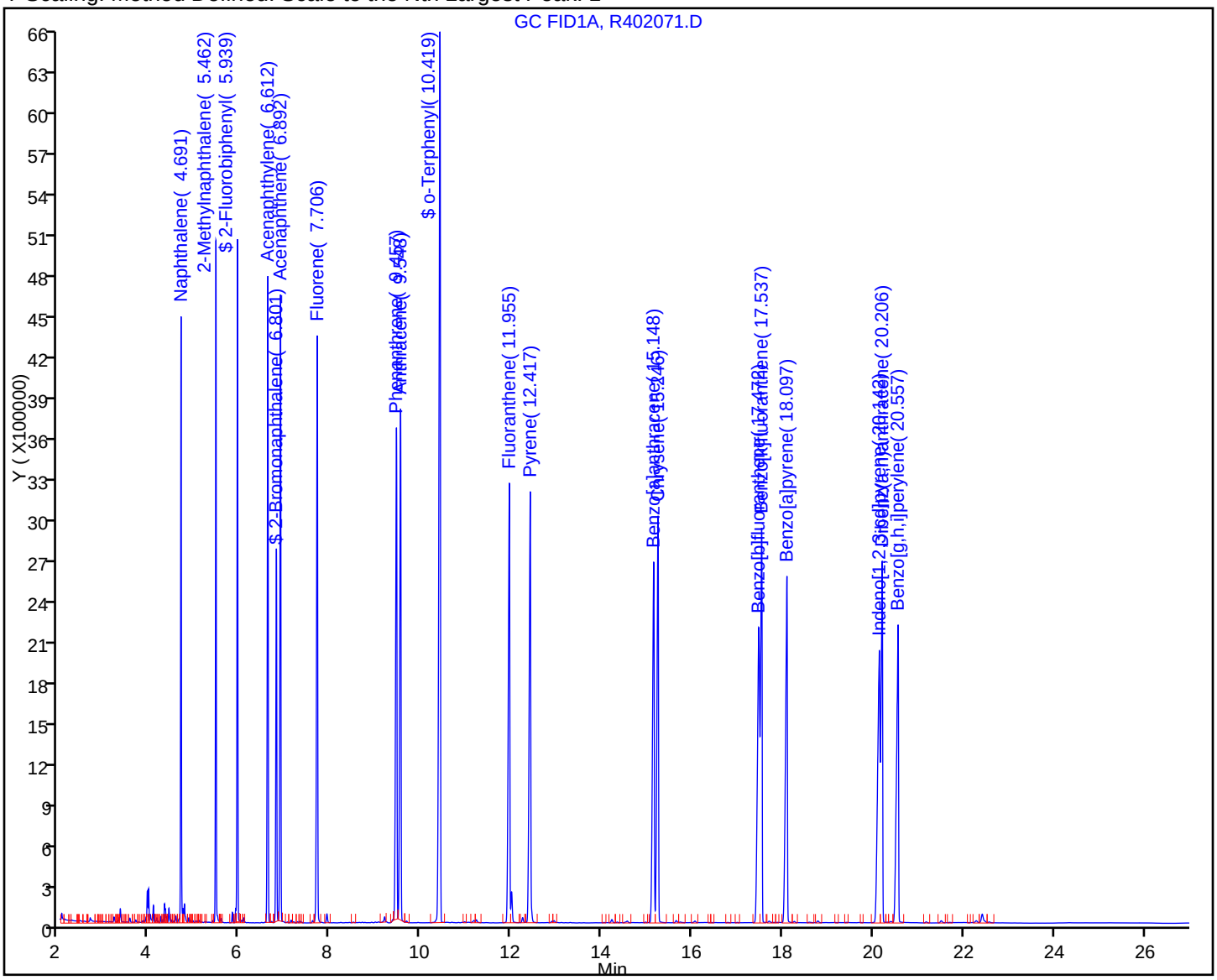
Review Flags
M - Manually Integrated

Report Date: 14-Dec-2011 11:31:17 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402071.D

Injection Date:	13-Dec-2011 19:25:31	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW06-120111 MS	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	11
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 MS Lab Sample ID: 360-37900-4 MS

Matrix: Water Lab File ID: R402071.D

Analysis Method: MA-EPH-LL Date Collected: 12/01/2011 10:45

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1030(mL) Date Analyzed: 12/13/2011 19:25

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	216		97	97
STL00087	C19-C36 Aliphatics	597		97	97
STL00306	C9-C18 Aliphatics	286		97	97
STL00362	Total EPH	1100		97	97

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	70		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402071.D		
Lims ID:	360-37900-B-4-A MS	Client ID:	BC-GW-MW06-120111 MS
Inject. Date:	13-Dec-2011 19:25:31	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	360-37900-B-4-A MS		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	22
Lims Batch ID:	84720	Lims Sample ID:	11
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:17

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.944	-0.005	6081548	42.7	
$ 2 2-Bromonaphthalene						
1	6.801	6.805	-0.004	4044170	43.0	
$ 3 o-Terphenyl						
1	10.419	10.414	0.005	14967946	83.8	
$ 4 1-Chlorooctadecane						
2	13.987	13.979	0.008	10810111	70.5	
5 n-Nonane						
2	3.312	3.311	0.001	741011	4.00	
6 n-Decane						
2	4.114	4.116	-0.002	1132848	5.70	
7 Naphthalene						
1	4.691	4.699	-0.008	5186554	29.3	
8 2-Methylnaphthalene						
1	5.462	5.470	-0.008	5695493	33.2	
9 Dodecane						
2	5.675	5.675	0.000	3085037	16.3	
10 Naphthalene_B						
2	5.740	5.750	-0.010	198025	0.9475	
11 Acenaphthylene						
1	6.612	6.619	-0.007	6721677	37.6	
13 2-Methylnaphthalene_B						
2	6.647	6.654	-0.007	204535	1.00	
12 Acenaphthene						
1	6.892	6.899	-0.007	6701315	37.6	
15 n-Tetradecane						
2	7.337	7.335	0.002	5627181	28.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
14 Fluorene						
1	7.706	7.712	-0.006	7312690	42.3	
18 Hexadecane						
2	9.245	9.241	0.004	6658304	36.2	
16 Phenanthrene						
1	9.457	9.464	-0.007	7326854	44.3	
17 Anthracene						
1	9.548	9.556	-0.008	7264422	47.0	
20 n-Octadecane						
2	11.225	11.223	0.002	7157948	39.2	
19 Fluoranthene						
1	11.955	11.961	-0.006	7352151	46.6	
22 C19						
2	12.191	12.193	-0.002	7175506	40.5	
21 Pyrene						
1	12.417	12.424	-0.007	7527862	44.7	
23 icosane						
2	13.136	13.138	-0.002	7206034	41.0	
27 n-Docosane						
2	14.929	14.930	-0.001	6850738	39.0	
24 Benzo[a]anthracene						
1	15.148	15.153	-0.005	7061461	50.4	
25 Chrysene						
1	15.246	15.249	-0.003	7105452	49.0	
28 n-Tetracosane						
2	16.596	16.597	-0.001	7033293	39.4	
29 Benzo[b]fluoranthene						
1	17.472	17.474	-0.002	7362686	52.9	
30 Benzo[k]fluoranthene						
1	17.537	17.544	-0.007	6874789	51.2	
31 Benzo[a]pyrene						
1	18.097	18.099	-0.002	7057154	49.8	
32 n-Hexacosane						
2	18.139	18.144	-0.005	7256047	42.9	
35 n-Octacosane						
2	19.577	19.584	-0.007	7262185	38.3	
33 Indeno[1,2,3-cd]pyrene						
1	20.142	20.146	-0.004	7194784	56.1	
34 Dibenz(a,h)anthracene						
1	20.206	20.209	-0.003	6437115	51.5	
36 Benzo[g,h,i]perylene						
1	20.557	20.561	-0.004	6760232	54.0	
37 Triacontane						
2	20.922	20.923	-0.001	7600248	41.7	
38 n-Hexatriacontane						M
2	25.519	25.518	0.001	6664093	43.7	M
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		34617101	147.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		121757439	781.1	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		63846610	307.2	
S 43 Total EPH						
2					565.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					111.2	
S 44 EPH Adjustment 1						
1					669.9	

QC Flag Legend

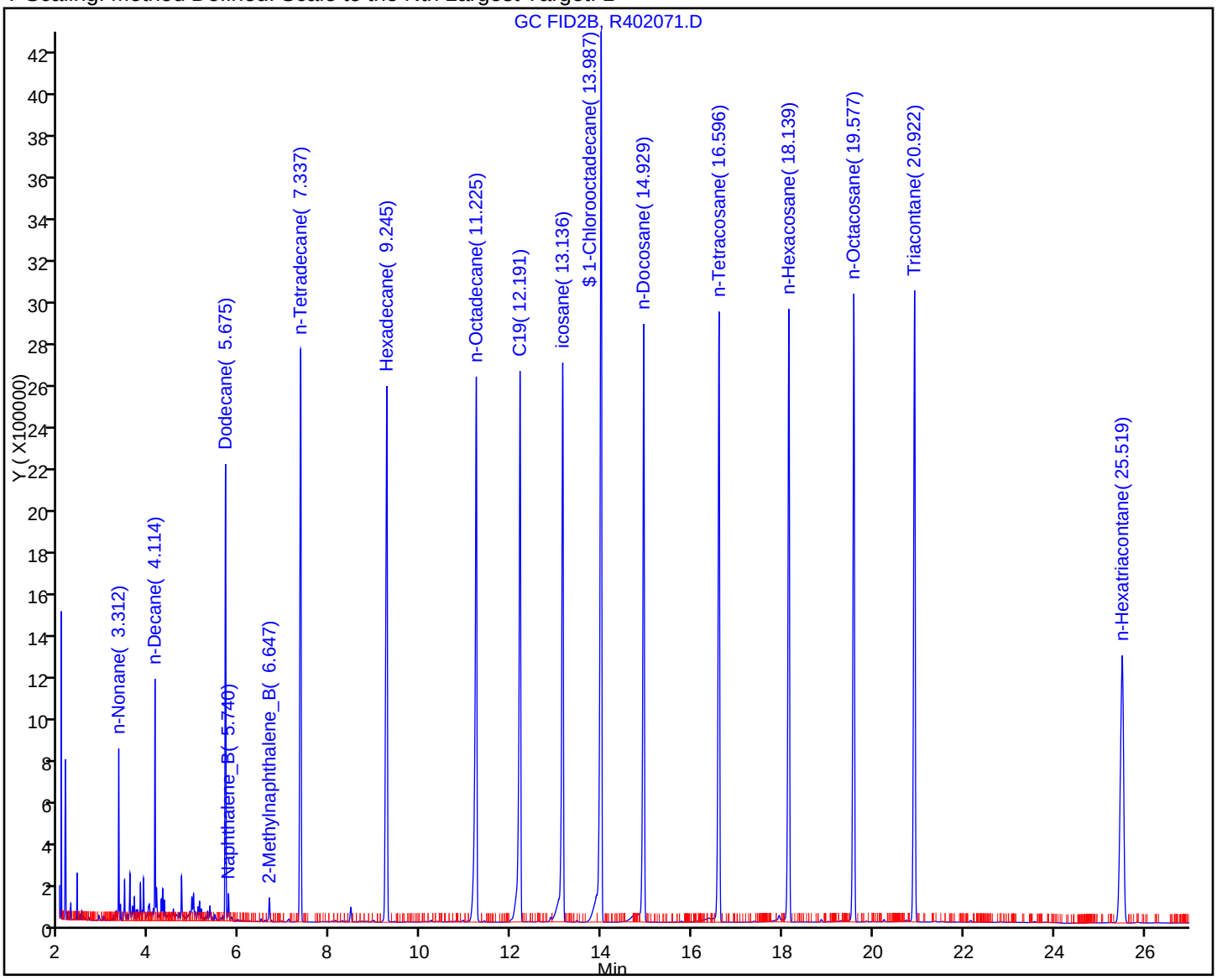
Review Flags
M - Manually Integrated

Report Date: 14-Dec-2011 11:31:18 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402071.D

Injection Date:	13-Dec-2011 19:25:31	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW06-120111 MS	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	11
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 14-Dec-2011 11:31:18 Chrom Revision: 2.0 29-Sep-2011 09:38:02

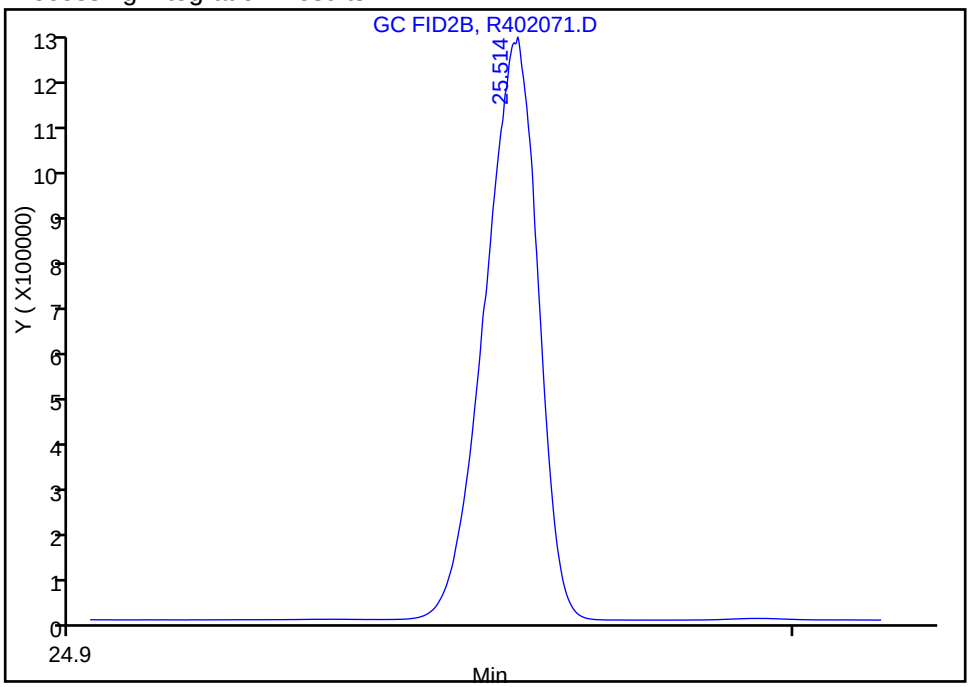
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402071.D		
Injection Date:	13-Dec-2011 19:25:31	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW06-120111 MS	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	11
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

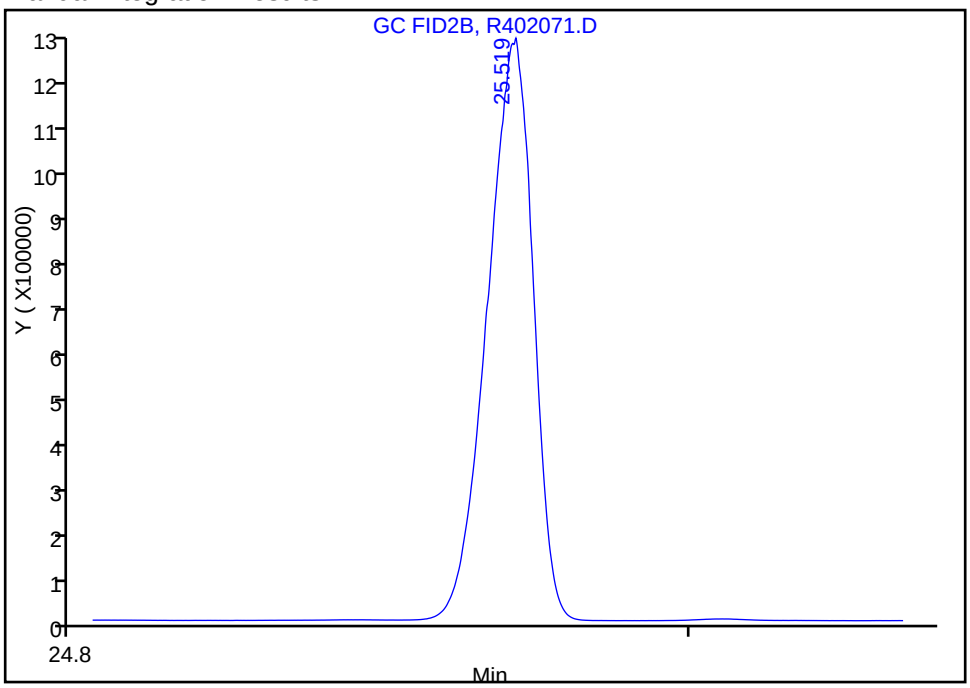
Processing Integration Results

RT: 25.51
Response: 1011059
Amount: 6.630758



Manual Integration Results

RT: 25.52
Response: 6664093
Amount: 43.704656



Reviewer: malanowskiv, 14-Dec-2011 07:37:19
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 MSD | Lab Sample ID: 360-37900-4 MSD

Matrix: Water | Lab File ID: R402073.D

Analysis Method: MA-EPH-LL | Date Collected: 12/01/2011 10:45

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1045(mL) | Date Analyzed: 12/13/2011 19:59

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	64.5		0.96	0.96
208-96-8	Acenaphthylene	65.5		0.29	0.29
120-12-7	Anthracene	80.8		0.96	0.96
56-55-3	Benzo[a]anthracene	85.6		0.29	0.29
50-32-8	Benzo[a]pyrene	84.6		0.19	0.19
205-99-2	Benzo[b]fluoranthene	91.3		0.29	0.29
191-24-2	Benzo[g,h,i]perylene	92.2		0.48	0.48
207-08-9	Benzo[k]fluoranthene	85.4		0.29	0.29
218-01-9	Chrysene	83.1		0.96	0.96
53-70-3	Dibenz(a,h)anthracene	87.3		0.43	0.43
206-44-0	Fluoranthene	79.8		0.96	0.96
86-73-7	Fluorene	73.9		0.96	0.96
193-39-5	Indeno[1,2,3-cd]pyrene	95.7		0.43	0.43
91-57-6	2-Methylnaphthalene	56.1		0.96	0.96
91-20-3	Naphthalene	52.1		0.96	0.96
85-01-8	Phenanthrene	76.6		0.19	0.19
129-00-0	Pyrene	76.6		0.96	0.96
STL00058	C11-C22 Aromatics	1350		96	96

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	80		40-140
321-60-8	2-Fluorobiphenyl	79		40-140
84-15-1	o-Terphenyl	75		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402073.D		
Lims ID:	360-37900-A-4-B MSD	Client ID:	BC-GW-MW06-120111 MSD
Inject. Date:	13-Dec-2011 19:59:30	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	360-37900-A-4-B MSD		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	24
Lims Batch ID:	84720	Lims Sample ID:	12
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.944	-0.006	5637283	39.6	
$ 2 2-Bromonaphthalene						
1	6.799	6.805	-0.006	3743545	39.8	
$ 3 o-Terphenyl						
1	10.415	10.414	0.001	13384197	74.9	
$ 4 1-Chlorooctadecane						
2	13.986	13.979	0.007	10259275	66.9	
5 n-Nonane						
2	3.312	3.311	0.001	1110934	6.06	
6 n-Decane						
2	4.114	4.116	-0.002	1536778	7.73	
7 Naphthalene						
1	4.689	4.699	-0.010	4820026	27.2	
8 2-Methylnaphthalene						
1	5.462	5.470	-0.008	5032887	29.3	
9 Dodecane						
2	5.675	5.675	0.000	3072214	16.3	
10 Naphthalene_B						
2	5.740	5.750	-0.010	296461	1.42	
11 Acenaphthylene						
1	6.610	6.619	-0.009	6109261	34.2	
13 2-Methylnaphthalene_B						
2	6.645	6.654	-0.009	303227	1.48	
12 Acenaphthene						
1	6.889	6.899	-0.010	6010296	33.7	
15 n-Tetradecane						
2	7.338	7.335	0.003	5437819	27.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
14 Fluorene						
1	7.703	7.712	-0.009	6679013	38.6	
18 Hexadecane						
2	9.244	9.241	0.003	6461305	35.1	
16 Phenanthrene						
1	9.454	9.464	-0.010	6620542	40.0	
17 Anthracene						
1	9.546	9.556	-0.010	6535461	42.2	
20 n-Octadecane						
2	11.223	11.223	0.000	6923460	38.0	
19 Fluoranthene						
1	11.952	11.961	-0.009	6574875	41.7	
22 C19						
2	12.193	12.193	0.000	6913616	39.0	
21 Pyrene						
1	12.412	12.424	-0.012	6725847	40.0	
23 icosane						
2	13.135	13.138	-0.003	6944220	39.5	
27 n-Docosane						
2	14.928	14.930	-0.002	6579598	37.5	
24 Benzo[a]anthracene						
1	15.144	15.153	-0.009	6270094	44.7	
25 Chrysene						
1	15.238	15.249	-0.011	6288348	43.4	
28 n-Tetracosane						
2	16.594	16.597	-0.003	6745190	37.8	
29 Benzo[b]fluoranthene						
1	17.468	17.474	-0.006	6642960	47.7	
30 Benzo[k]fluoranthene						
1	17.533	17.544	-0.011	6002966	44.6	
31 Benzo[a]pyrene						
1	18.090	18.099	-0.009	6262195	44.2	
32 n-Hexacosane						
2	18.141	18.144	-0.003	6952649	41.1	
35 n-Octacosane						
2	19.579	19.584	-0.005	6963251	36.7	
33 Indeno[1,2,3-cd]pyrene						
1	20.131	20.146	-0.015	6419711	50.0	
34 Dibenz(a,h)anthracene						
1	20.199	20.209	-0.010	5707472	45.6	
36 Benzo[g,h,i]perylene						
1	20.552	20.561	-0.009	6031411	48.2	
37 Triacontane						
2	20.920	20.923	-0.003	7323719	40.2	
38 n-Hexatriacontane						
2	25.521	25.518	0.003	6722179	44.1	
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		36851404	159.4	

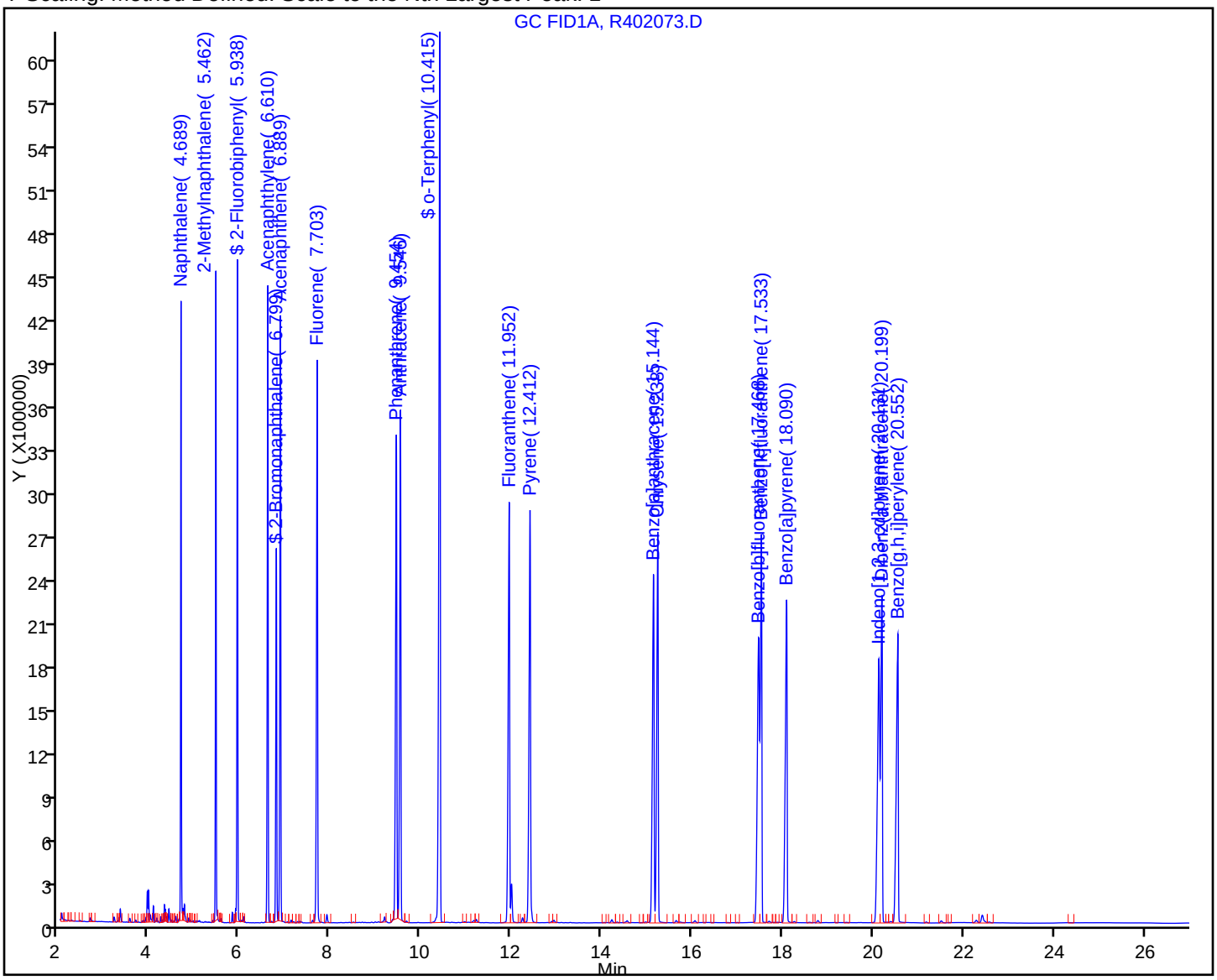
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		109635108	703.3	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		61980570	298.3	
S 43 Total EPH						
2					561.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					103.5	
S 44 EPH Adjustment 1						
1					599.8	

Report Date: 14-Dec-2011 11:31:23 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402073.D

Injection Date:	13-Dec-2011 19:59:30	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW06-120111 MSD	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	12
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Client Sample ID: BC-GW-MW06-120111 MSD Lab Sample ID: 360-37900-4 MSD

Matrix: Water Lab File ID: R402073.D

Analysis Method: MA-EPH-LL Date Collected: 12/01/2011 10:45

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1045(mL) Date Analyzed: 12/13/2011 19:59

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	198		96	96
STL00087	C19-C36 Aliphatics	571		96	96
STL00306	C9-C18 Aliphatics	305		96	96
STL00362	Total EPH	1070		96	96

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	67		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402073.D		
Lims ID:	360-37900-A-4-B MSD	Client ID:	BC-GW-MW06-120111 MSD
Inject. Date:	13-Dec-2011 19:59:30	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	360-37900-A-4-B MSD		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	24
Lims Batch ID:	84720	Lims Sample ID:	12
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:31:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
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$ 3 o-Terphenyl						
1	10.415	10.414	0.001	13384197	74.9	
$ 4 1-Chlorooctadecane						
2	13.986	13.979	0.007	10259275	66.9	
5 n-Nonane						
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6 n-Decane						
2	4.114	4.116	-0.002	1536778	7.73	
7 Naphthalene						
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8 2-Methylnaphthalene						
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9 Dodecane						
2	5.675	5.675	0.000	3072214	16.3	
10 Naphthalene_B						
2	5.740	5.750	-0.010	296461	1.42	
11 Acenaphthylene						
1	6.610	6.619	-0.009	6109261	34.2	
13 2-Methylnaphthalene_B						
2	6.645	6.654	-0.009	303227	1.48	
12 Acenaphthene						
1	6.889	6.899	-0.010	6010296	33.7	
15 n-Tetradecane						
2	7.338	7.335	0.003	5437819	27.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
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35 n-Octacosane						
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33 Indeno[1,2,3-cd]pyrene						
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34 Dibenz(a,h)anthracene						
1	20.199	20.209	-0.010	5707472	45.6	
36 Benzo[g,h,i]perylene						
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37 Triacontane						
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Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
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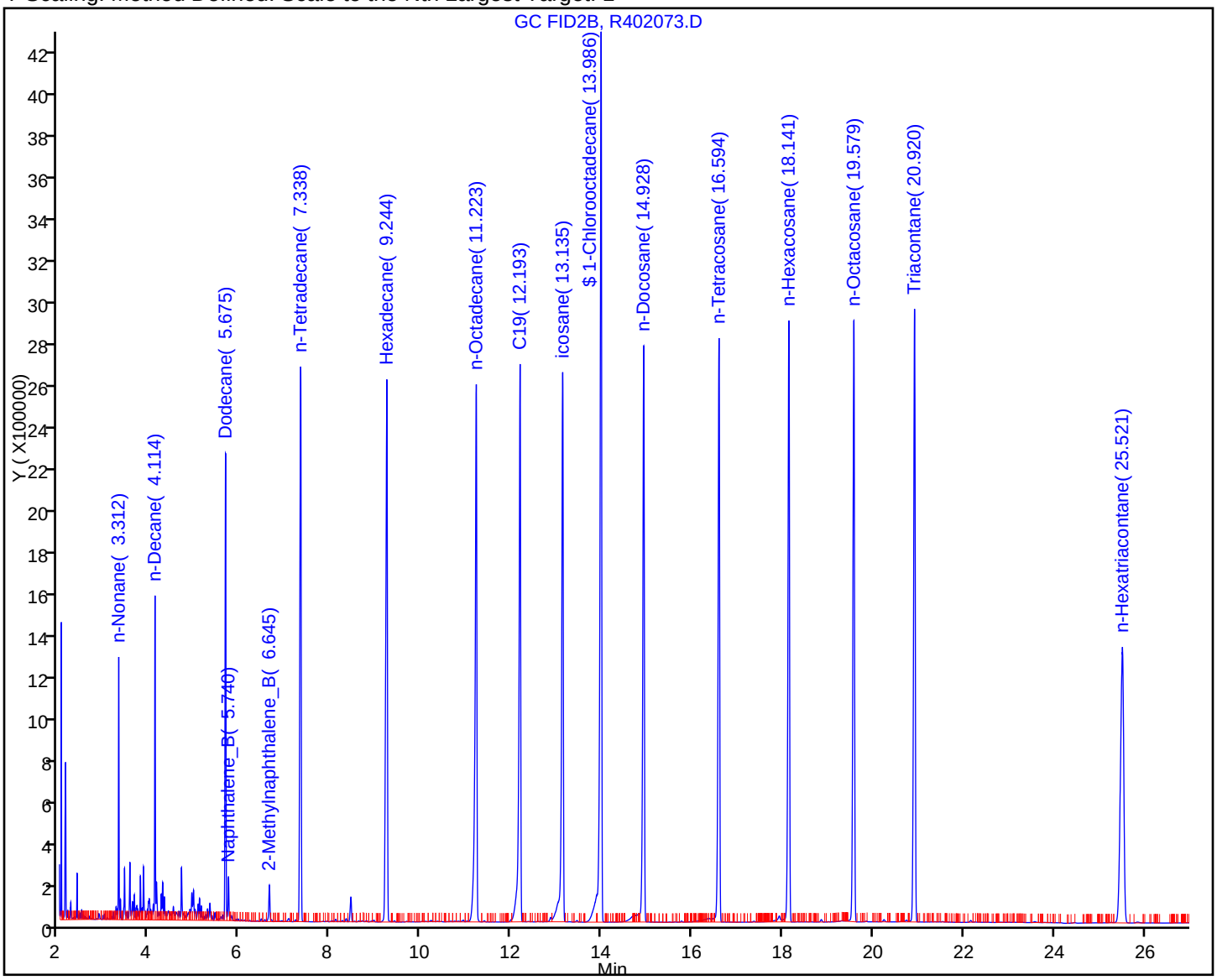
1	12.800	4.599 - 21.002		109635108	703.3	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		61980570	298.3	
S 43 Total EPH						
2					561.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					103.5	
S 44 EPH Adjustment 1						
1					599.8	

Report Date: 14-Dec-2011 11:31:23 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402073.D		
Injection Date:	13-Dec-2011 19:59:30	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW06-120111 MSD	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	12
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Instrument ID: INST R Start Date: 11/04/2011 15:33

Analysis Batch Number: 82884 End Date: 11/06/2011 11:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD01 360-82884/2 IC		11/04/2011 15:33	1	R400713.D	RTX-5 0.25(mm)
STD01 360-82884/2 IC		11/04/2011 15:33	1	R400713.D	RTX-5 0.25(mm)
STD05 360-82884/3 IC		11/04/2011 16:07	1	R400715.D	RTX-5 0.25(mm)
STD05 360-82884/3 IC		11/04/2011 16:07	1	R400715.D	RTX-5 0.25(mm)
STD1 360-82884/4 IC		11/04/2011 16:41	1	R400717.D	RTX-5 0.25(mm)
STD1 360-82884/4 IC		11/04/2011 16:41	1	R400717.D	RTX-5 0.25(mm)
STD5 360-82884/5 IC		11/04/2011 17:14	1	R400719.D	RTX-5 0.25(mm)
STD5 360-82884/5 IC		11/04/2011 17:14	1	R400719.D	RTX-5 0.25(mm)
STD10 360-82884/6 IC		11/04/2011 17:48	1	R400721.D	RTX-5 0.25(mm)
STD10 360-82884/6 IC		11/04/2011 17:48	1	R400721.D	RTX-5 0.25(mm)
STD25 360-82884/7 IC		11/04/2011 18:22	1	R400723.D	RTX-5 0.25(mm)
STD25 360-82884/7 IC		11/04/2011 18:22	1	R400723.D	RTX-5 0.25(mm)
STD50 360-82884/1 ICIS		11/04/2011 18:55	1	R400725.D	RTX-5 0.25(mm)
STD50 360-82884/1 ICIS		11/04/2011 18:55	1	R400725.D	RTX-5 0.25(mm)
STD100 360-82884/8 IC		11/04/2011 19:29	1	R400727.D	RTX-5 0.25(mm)
STD100 360-82884/8 IC		11/04/2011 19:29	1	R400727.D	RTX-5 0.25(mm)
STD200 360-82884/9 IC		11/04/2011 20:03	1	R400729.D	RTX-5 0.25(mm)
STD200 360-82884/9 IC		11/04/2011 20:03	1	R400729.D	RTX-5 0.25(mm)
STD1 360-82884/10 IC		11/04/2011 20:37	1		RTX-5 0.25(mm)
STD5 360-82884/11 IC		11/04/2011 21:11	1		RTX-5 0.25(mm)
STD10 360-82884/12 IC		11/04/2011 21:45	1		RTX-5 0.25(mm)
ICV 360-82884/13		11/06/2011 11:19	1		RTX-5 0.25(mm)
ICV 360-82884/13		11/06/2011 11:19	1		RTX-5 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Instrument ID: INST R Start Date: 12/13/2011 12:56

Analysis Batch Number: 84720 End Date: 12/14/2011 12:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-84720/1		12/13/2011 12:56	1	R402051.D	RTX-5 0.25(mm)
CCVRT 360-84720/1		12/13/2011 12:56	1	R402051.D	RTX-5 0.25(mm)
LCS 360-84516/2-A		12/13/2011 16:34	1	R402061.D	RTX-5 0.25(mm)
LCS 360-84516/2-A		12/13/2011 16:34	1	R402061.D	RTX-5 0.25(mm)
LCSD 360-84516/3-A		12/13/2011 17:08	1	R402063.D	RTX-5 0.25(mm)
LCSD 360-84516/3-A		12/13/2011 17:08	1	R402063.D	RTX-5 0.25(mm)
360-37900-2	BC-GW-MWDUP01-120111	12/13/2011 17:43	1	R402065.D	RTX-5 0.25(mm)
360-37900-2	BC-GW-MWDUP01-120111	12/13/2011 17:43	1	R402065.D	RTX-5 0.25(mm)
360-37900-3	BC-GW-MW25-120111	12/13/2011 18:17	1	R402067.D	RTX-5 0.25(mm)
360-37900-3	BC-GW-MW25-120111	12/13/2011 18:17	1	R402067.D	RTX-5 0.25(mm)
360-37900-4	BC-GW-MW06-120111	12/13/2011 18:51	1	R402069.D	RTX-5 0.25(mm)
360-37900-4	BC-GW-MW06-120111	12/13/2011 18:51	1	R402069.D	RTX-5 0.25(mm)
360-37900-4 MS	BC-GW-MW06-120111 MS	12/13/2011 19:25	1	R402071.D	RTX-5 0.25(mm)
360-37900-4 MS	BC-GW-MW06-120111 MS	12/13/2011 19:25	1	R402071.D	RTX-5 0.25(mm)
360-37900-4 MSD	BC-GW-MW06-120111 MSD	12/13/2011 19:59	1	R402073.D	RTX-5 0.25(mm)
360-37900-4 MSD	BC-GW-MW06-120111 MSD	12/13/2011 19:59	1	R402073.D	RTX-5 0.25(mm)
360-37900-5	BC-GW-MW301-120111	12/13/2011 20:33	1	R402075.D	RTX-5 0.25(mm)
360-37900-5	BC-GW-MW301-120111	12/13/2011 20:33	1	R402075.D	RTX-5 0.25(mm)
360-37900-6	BC-GW-MW200A-120111	12/13/2011 21:08	1	R402077.D	RTX-5 0.25(mm)
360-37900-6	BC-GW-MW200A-120111	12/13/2011 21:08	1	R402077.D	RTX-5 0.25(mm)
360-37900-7	BC-GW-MW302-120111	12/13/2011 21:41	1	R402079.D	RTX-5 0.25(mm)
360-37900-7	BC-GW-MW302-120111	12/13/2011 21:41	1	R402079.D	RTX-5 0.25(mm)
360-37900-8	BC-GW-MW304-120111	12/13/2011 22:16	1	R402081.D	RTX-5 0.25(mm)
360-37900-8	BC-GW-MW304-120111	12/13/2011 22:16	1	R402081.D	RTX-5 0.25(mm)
360-37900-9	BC-GW-MW305-120111	12/13/2011 22:50	1	R402083.D	RTX-5 0.25(mm)
360-37900-9	BC-GW-MW305-120111	12/13/2011 22:50	1	R402083.D	RTX-5 0.25(mm)
ZZZZZ		12/13/2011 23:24	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 23:24	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 23:58	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 23:58	1		RTX-5 0.25(mm)
ZZZZZ		12/14/2011 00:32	1		RTX-5 0.25(mm)
ZZZZZ		12/14/2011 00:32	1		RTX-5 0.25(mm)
ZZZZZ		12/14/2011 01:06	1		RTX-5 0.25(mm)
ZZZZZ		12/14/2011 01:06	1		RTX-5 0.25(mm)
CCV 360-84720/22		12/14/2011 01:41	1	R402093.D	RTX-5 0.25(mm)
CCV 360-84720/22		12/14/2011 01:41	1	R402093.D	RTX-5 0.25(mm)
MB 360-84516/1-A		12/14/2011 08:02	1	R402095.D	RTX-5 0.25(mm)
MB 360-84516/1-A		12/14/2011 08:02	1	R402095.D	RTX-5 0.25(mm)
ZZZZZ		12/14/2011 08:37	1		RTX-5 0.25(mm)
ZZZZZ		12/14/2011 08:37	1		RTX-5 0.25(mm)
ZZZZZ		12/14/2011 11:28	1		RTX-5 0.25(mm)
ZZZZZ		12/14/2011 11:28	1		RTX-5 0.25(mm)
ZZZZZ		12/14/2011 12:02	1		RTX-5 0.25(mm)
ZZZZZ		12/14/2011 12:02	1		RTX-5 0.25(mm)
CCV 360-84720/30		12/14/2011 12:36	1	R402111.D	RTX-5 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Instrument ID: INST R Start Date: 12/13/2011 12:56

Analysis Batch Number: 84720 End Date: 12/14/2011 12:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 360-84720/30		12/14/2011 12:36	1	R402111.D	RTX-5 0.25(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Batch Number: 84516 Batch Start Date: 12/08/11 13:30 Batch Analyst: Voudren, Timothy L

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	OP-cod/otp 00111	OP-EPH Mat 00218
MB 360-84516/1		3510C, MA-EPH-LL		7	1000 mL	2.0 mL	<2	1 mL	
LCS 360-84516/2		3510C, MA-EPH-LL		7	1000 mL	2.0 mL	<2	1 mL	500 uL
LCSD 360-84516/3		3510C, MA-EPH-LL		7	1000 mL	2.0 mL	<2	1 mL	500 uL
360-37900-B-2	BC-GW-MWDUP01-120111	3510C, MA-EPH-LL	T	<2	1025 mL	2.0 mL	<2	1 mL	
360-37900-B-3	BC-GW-MW25-120111	3510C, MA-EPH-LL	T	<2	1025 mL	2.0 mL	<2	1 mL	
360-37900-A-4	BC-GW-MW06-120111	3510C, MA-EPH-LL	T	<2	1020 mL	2.0 mL	<2	1 mL	
360-37900-B-4 MS	BC-GW-MW06-120111	3510C, MA-EPH-LL	T	<2	1030 mL	2.0 mL	<2	1 mL	500 uL
360-37900-A-4 MSD	BC-GW-MW06-120111	3510C, MA-EPH-LL	T	<2	1045 mL	2.0 mL	<2	1 mL	500 uL
360-37900-A-5	BC-GW-MW301-120111	3510C, MA-EPH-LL	T	<2	1010 mL	2.0 mL	<2	1 mL	
360-37900-B-6	BC-GW-MW200A-120111	3510C, MA-EPH-LL	T	<2	1040 mL	2.0 mL	<2	1 mL	
360-37900-B-7	BC-GW-MW302-120111	3510C, MA-EPH-LL	T	<2	1015 mL	2.0 mL	<2	1 mL	
360-37900-B-8	BC-GW-MW304-120111	3510C, MA-EPH-LL	T	<2	1000 mL	2.0 mL	<2	1 mL	
360-37900-A-9	BC-GW-MW305-120111	3510C, MA-EPH-LL	T	<2	1030 mL	2.0 mL	<2	1 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 360-84516/1		3510C, MA-EPH-LL							
LCS 360-84516/2		3510C, MA-EPH-LL							
LCSD 360-84516/3		3510C, MA-EPH-LL							
360-37900-B-2	BC-GW-MWDUP01-120111	3510C, MA-EPH-LL	T						
360-37900-B-3	BC-GW-MW25-120111	3510C, MA-EPH-LL	T						
360-37900-A-4	BC-GW-MW06-120111	3510C, MA-EPH-LL	T						
360-37900-B-4 MS	BC-GW-MW06-120111	3510C, MA-EPH-LL	T	possible x2 spike					
360-37900-A-4 MSD	BC-GW-MW06-120111	3510C, MA-EPH-LL	T						

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Batch Number: 84516 Batch Start Date: 12/08/11 13:30 Batch Analyst: Voudren, Timothy L

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
360-37900-A-5	BC-GW-MW301-120111	3510C, MA-EPH-LL	T						
360-37900-B-6	BC-GW-MW200A-120111	3510C, MA-EPH-LL	T						
360-37900-B-7	BC-GW-MW302-120111	3510C, MA-EPH-LL	T						
360-37900-B-8	BC-GW-MW304-120111	3510C, MA-EPH-LL	T						
360-37900-A-9	BC-GW-MW305-120111	3510C, MA-EPH-LL	T						

Batch Notes	
Person's name who did the concentration	TV
Person's name who did the prep	TV

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37900-1

SDG No.: 360-37900

Project: Beaton & Corbin Factory Site

Client Sample ID	Lab Sample ID
BC-GW-MWDUP01-120111	360-37900-2
BC-GW-MW25-120111	360-37900-3
BC-GW-MW06-120111	360-37900-4
BC-GW-MW301-120111	360-37900-5
BC-GW-MW200A-120111	360-37900-6
BC-GW-MW302-120111	360-37900-7
BC-GW-MW304-120111	360-37900-8
BC-GW-MW305-120111	360-37900-9

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-GW-MWDUP01-120111 Lab Sample ID: 360-37900-2

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG ID.: 360-37900

Matrix: Water Date Sampled: 12/01/2011 12:00

Reporting Basis: WET Date Received: 12/01/2011 17:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	ND	12	1.4	ug/L			1	6010B
7440-38-2	Arsenic	ND	10	2.8	ug/L			1	6010B
7440-39-3	Barium	88	10	1.4	ug/L			1	6010B
7440-43-9	Cadmium	2.3	1.0	0.13	ug/L			1	6010B
7440-47-3	Chromium	8.5	5.0	0.65	ug/L			1	6010B
7439-92-1	Lead	ND	5.0	1.4	ug/L			1	6010B
7782-49-2	Selenium	ND	10	4.0	ug/L			1	6010B
7439-97-6	Mercury	ND	0.20	0.15	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-GW-MW25-120111 Lab Sample ID: 360-37900-3

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG ID.: 360-37900

Matrix: Water Date Sampled: 12/01/2011 12:20

Reporting Basis: WET Date Received: 12/01/2011 17:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	ND	12	1.4	ug/L			1	6010B
7440-38-2	Arsenic	ND	10	2.8	ug/L			1	6010B
7440-39-3	Barium	190	10	1.4	ug/L			1	6010B
7440-43-9	Cadmium	ND	1.0	0.13	ug/L			1	6010B
7440-47-3	Chromium	ND	5.0	0.65	ug/L			1	6010B
7439-92-1	Lead	ND	5.0	1.4	ug/L			1	6010B
7782-49-2	Selenium	ND	10	4.0	ug/L			1	6010B
7439-97-6	Mercury	ND	0.20	0.15	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-GW-MW06-120111 Lab Sample ID: 360-37900-4

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG ID.: 360-37900

Matrix: Water Date Sampled: 12/01/2011 10:45

Reporting Basis: WET Date Received: 12/01/2011 17:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	ND	12	1.4	ug/L			1	6010B
7440-38-2	Arsenic	ND	10	2.8	ug/L			1	6010B
7440-39-3	Barium	88	10	1.4	ug/L			1	6010B
7440-43-9	Cadmium	2.3	1.0	0.13	ug/L			1	6010B
7440-47-3	Chromium	8.9	5.0	0.65	ug/L			1	6010B
7439-92-1	Lead	ND	5.0	1.4	ug/L			1	6010B
7782-49-2	Selenium	ND	10	4.0	ug/L			1	6010B
7439-97-6	Mercury	ND	0.20	0.15	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-GW-MW301-120111 Lab Sample ID: 360-37900-5

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG ID.: 360-37900

Matrix: Water Date Sampled: 12/01/2011 12:15

Reporting Basis: WET Date Received: 12/01/2011 17:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	ND	12	1.4	ug/L			1	6010B
7440-38-2	Arsenic	ND	10	2.8	ug/L			1	6010B
7440-39-3	Barium	150	10	1.4	ug/L			1	6010B
7440-43-9	Cadmium	ND	1.0	0.13	ug/L			1	6010B
7440-47-3	Chromium	24	5.0	0.65	ug/L			1	6010B
7439-92-1	Lead	ND	5.0	1.4	ug/L			1	6010B
7782-49-2	Selenium	ND	10	4.0	ug/L			1	6010B
7439-97-6	Mercury	ND	0.20	0.15	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-GW-MW200A-120111 Lab Sample ID: 360-37900-6

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG ID.: 360-37900

Matrix: Water Date Sampled: 12/01/2011 08:45

Reporting Basis: WET Date Received: 12/01/2011 17:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	ND	12	1.4	ug/L			1	6010B
7440-38-2	Arsenic	ND	10	2.8	ug/L			1	6010B
7440-39-3	Barium	120	10	1.4	ug/L			1	6010B
7440-43-9	Cadmium	ND	1.0	0.13	ug/L			1	6010B
7440-47-3	Chromium	ND	5.0	0.65	ug/L			1	6010B
7439-92-1	Lead	ND	5.0	1.4	ug/L			1	6010B
7782-49-2	Selenium	ND	10	4.0	ug/L			1	6010B
7439-97-6	Mercury	ND	0.20	0.15	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-GW-MW302-120111 Lab Sample ID: 360-37900-7

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG ID.: 360-37900

Matrix: Water Date Sampled: 12/01/2011 10:31

Reporting Basis: WET Date Received: 12/01/2011 17:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	ND	12	1.4	ug/L			1	6010B
7440-38-2	Arsenic	ND	10	2.8	ug/L			1	6010B
7440-39-3	Barium	100	10	1.4	ug/L			1	6010B
7440-43-9	Cadmium	ND	1.0	0.13	ug/L			1	6010B
7440-47-3	Chromium	510	5.0	0.65	ug/L			1	6010B
7439-92-1	Lead	ND	5.0	1.4	ug/L			1	6010B
7782-49-2	Selenium	ND	10	4.0	ug/L			1	6010B
7439-97-6	Mercury	ND	0.20	0.15	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-GW-MW304-120111 Lab Sample ID: 360-37900-8

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG ID.: 360-37900

Matrix: Water Date Sampled: 12/01/2011 14:10

Reporting Basis: WET Date Received: 12/01/2011 17:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	ND	12	1.4	ug/L			1	6010B
7440-38-2	Arsenic	ND	10	2.8	ug/L			1	6010B
7440-39-3	Barium	170	10	1.4	ug/L			1	6010B
7440-43-9	Cadmium	ND	1.0	0.13	ug/L			1	6010B
7440-47-3	Chromium	ND	5.0	0.65	ug/L			1	6010B
7439-92-1	Lead	ND	5.0	1.4	ug/L			1	6010B
7782-49-2	Selenium	ND	10	4.0	ug/L			1	6010B
7439-97-6	Mercury	ND	0.20	0.15	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-GW-MW305-120111 Lab Sample ID: 360-37900-9

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG ID.: 360-37900

Matrix: Water Date Sampled: 12/01/2011 14:50

Reporting Basis: WET Date Received: 12/01/2011 17:05

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	ND	12	1.4	ug/L			1	6010B
7440-38-2	Arsenic	ND	10	2.8	ug/L			1	6010B
7440-39-3	Barium	150	10	1.4	ug/L			1	6010B
7440-43-9	Cadmium	ND	1.0	0.13	ug/L			1	6010B
7440-47-3	Chromium	2100	5.0	0.65	ug/L			1	6010B
7439-92-1	Lead	ND	5.0	1.4	ug/L			1	6010B
7782-49-2	Selenium	ND	10	4.0	ug/L			1	6010B
7439-97-6	Mercury	ND	0.20	0.15	ug/L			1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

ICV Source: VARICV wk_00017 Concentration Units: ug/L

CCV Source: MEVARCCV_00040

Analyte	ICV 360-84305/10 12/02/2011 11:39				CCV 360-84305/17 12/02/2011 12:00				CCV 360-84305/24 12/02/2011 15:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1010		1000	101	1010		1000	101	1050		1000	105
Barium	1010		1000	101	1000		1000	100	1040		1000	104
Cadmium	1000		1000	100	1010		1000	101	1050		1000	105
Chromium	1000		1000	100	1010		1000	101	1040		1000	104
Lead	1010		1000	101	1010		1000	101	1040		1000	104
Selenium	1010		1000	101	1000		1000	100	1040		1000	104
Silver	1000		1000	100	1000		1000	100	1040		1000	104

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

ICV Source: VARICV wk_00017 Concentration Units: ug/L

CCV Source: MEVARCCV_00040

Analyte	CCV 360-84305/28 12/02/2011 15:47				CCV 360-84305/40 12/02/2011 16:22				CCV 360-84305/52 12/02/2011 16:57			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1040		1000	104	1050		1000	105	1030		1000	103
Barium	1030		1000	103	1040		1000	104	1020		1000	102
Cadmium	1040		1000	104	1040		1000	104	1040		1000	104
Chromium	1040		1000	104	1030		1000	103	1030		1000	103
Lead	1040		1000	104	1040		1000	104	1040		1000	104
Selenium	1030		1000	103	1040		1000	104	1030		1000	103
Silver	1030		1000	103	1040		1000	104	1030		1000	103

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.: 360-37900-1

SDG No.: 360-37900

ICV Source: VARICV wk_00017 Concentration Units: ug/L

CCV Source: MEVARCCV_00040

Analyte	CCV 360-84305/63 12/02/2011 17:36				CCV 360-84305/65 12/02/2011 19:13							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	981		1000	98	993		1000	99				
Barium	966		1000	97	988		1000	99				
Cadmium	986		1000	99	999		1000	100				
Chromium	977		1000	98	989		1000	99				
Lead	986		1000	99	1010		1000	101				
Selenium	968		1000	97	984		1000	98				
Silver	968		1000	97	989		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.: 360-37900-1

SDG No.: 360-37900

ICV Source: METHG1mg/L_00788 Concentration Units: ug/L

CCV Source: METHG1mg/L_00788

Analyte	ICV 360-84448/13 12/07/2011 11:05				CCV 360-84448/18 12/07/2011 12:32				CCV 360-84448/30 12/07/2011 13:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.06		5.00	101	5.05		5.00	101	5.08		5.00	102

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

ICV Source: METHG1mg/L_00788 Concentration Units: ug/L

CCV Source: METHG1mg/L_00788

Analyte	CCV 360-84448/42 12/07/2011 13:49											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.91		5.00	98								

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.: 360-37900-1

SDG No.: 360-37900

Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-84305/12 Concentration Units: ug/L

CRQL Check Standard Source: CRIRL wk_00013

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	5.00	ND		78	70-130
Arsenic	10.0	ND		93	70-130
Barium	10.0	11.3		113	70-130
Cadmium	1.00	1.05		105	70-130
Chromium	5.00	ND		99	70-130
Lead	5.00	5.41		108	70-130
Selenium	10.0	10.9		109	70-130

Lab Sample ID: CRI 360-84305/13 Concentration Units: ug/L

CRQL Check Standard Source: CRIMCP wk_00014

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	50.0	50.9		102	70-130
Barium	2000	2300		115	70-130
Cadmium	5.00	5.31		106	70-130
Chromium	100	109		109	70-130
Lead	15.0	17.0		113	70-130
Selenium	50.0	52.0		104	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.: 360-37900-1

SDG No.: 360-37900

Concentration Units: ug/L

Analyte	RL	ICB 360-84305/11 12/02/2011 11:42		CCB 360-84305/18 12/02/2011 12:03		CCB 360-84305/25 12/02/2011 15:09		CCB 360-84305/29 12/02/2011 15:50	
		Found	C	Found	C	Found	C	Found	C
Arsenic	10	ND		ND		ND		ND	
Barium	10	ND		ND		ND		ND	
Cadmium	1.0	ND		ND		ND		ND	
Chromium	5.0	ND		ND		ND		ND	
Lead	5.0	ND		ND		ND		ND	
Selenium	10	ND		ND		ND		ND	
Silver	5.0	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Concentration Units: ug/L

Analyte	RL	CCB 360-84305/41 12/02/2011 16:25		CCB 360-84305/53 12/02/2011 17:00		CCB 360-84305/64 12/02/2011 17:39		CCB 360-84305/66 12/02/2011 19:16	
		Found	C	Found	C	Found	C	Found	C
Arsenic	10	ND		ND		ND		ND	
Barium	10	ND		ND		ND		ND	
Cadmium	1.0	ND		ND		ND		ND	
Chromium	5.0	ND		ND		ND		ND	
Lead	5.0	ND		ND		ND		ND	
Selenium	10	ND		ND		ND		ND	
Silver	5.0	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Concentration Units: ug/L

Analyte	RL	ICB 360-84448/15 12/07/2011 11:09		CCB 360-84448/19 12/07/2011 12:34		CCB 360-84448/31 12/07/2011 13:28		CCB 360-84448/43 12/07/2011 13:51	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Concentration Units: ug/L Lab Sample ID: MB 360-84196/1-A

Instrument Code: Varian ICP Batch No.: 84305

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	ND			6010RCP
7440-38-2	Arsenic	ND			6010RCP
7440-39-3	Barium	ND			6010RCP
7440-43-9	Cadmium	ND			6010RCP
7440-47-3	Chromium	ND			6010RCP
7439-92-1	Lead	ND			6010RCP
7782-49-2	Selenium	ND			6010RCP

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Concentration Units: ug/L Lab Sample ID: MB 360-84431/1-A

Instrument Code: Hg Analyzer Batch No.: 84448

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470RCP

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: ICSA 360-84305/14 Instrument ID: Varian ICP

Lab File ID: 120211c.csv ICS Source: ICSA wk_00033

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-0.256**	
Barium		**1.14**	
Cadmium		**-0.882**	
Chromium		**0.271**	
Lead		**-0.0126**	
Selenium		**-2.63**	
Silver		**-0.0874**	
Aluminum	*100000*	*116113*	*116*
Antimony		*-2.21*	
B		*4.20*	
Beryllium		*0.0168*	
Calcium	*100000*	*103426*	*103*
Cobalt		*-0.867*	
Copper		*0.612*	
Iron	*100000*	*116439*	*116*
Li		*1.55*	
Magnesium	*100000*	*108266*	*108*
Manganese		*-2.65*	
Mo		*0.917*	
Nickel		*-5.31*	
Potassium		*1236*	
Si		*0.404*	
Si		*3.00*	
Sn		*0.214*	
Sodium		*46.1*	
Sr		*-2.04*	
Thallium		*0.126*	
Ti		*0.196*	
Vanadium		*-2.58*	
Zinc		*0.760*	
Zr		*0.842*	

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.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: ICSAB 360-84305/15 Instrument ID: Varian ICP

Lab File ID: 120211c.csv ICS Source: ICSAB_00044

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Arsenic	**2000**	**1796**	**90**
Barium	**600**	**530**	**88**
Cadmium	**600**	**519**	**87**
Chromium	**600**	**529**	**88**
Lead	**2000**	**1717**	**86**
Selenium	**1000**	**892**	**89**
Silver	**600**	**549**	**92**
Aluminum	*100000*	*118860*	*119*
Antimony	*1000*	*978*	*98*
B		*2.30*	
Beryllium	*200*	*183*	*91*
Calcium	*100000*	*106206*	*106*
Cobalt	*600*	*521*	*87*
Copper	*600*	*555*	*93*
Iron	*100000*	*119436*	*119*
Li		*1.43*	
Magnesium	*100000*	*110047*	*110*
Manganese	*400*	*346*	*86*
Mo		*0.496*	
Nickel	*600*	*514*	*86*
Potassium	*40000*	*38850*	*97*
Si		*-25.4*	
Si		*-23.2*	
Sn		*3.68*	
Sodium		*-273*	
Sr		*-2.16*	
Thallium	*2000*	*1684*	*84*
Ti		*0.0557*	
Vanadium	*600*	*530*	*88*
Zinc	*600*	*518*	*86*
Zr		*3.25*	

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.: 360-37900-1

SDG No.: 360-37900

Lab Sample ID: ICSA 360-84305/67 Instrument ID: Varian ICP

Lab File ID: 120211c.csv ICS Source: ICSA wk_00033

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**0.689**	
Barium		**1.03**	
Cadmium		**-0.914**	
Chromium		**0.189**	
Lead		**-2.98**	
Selenium		**-3.53**	
Silver		**0.310**	
Aluminum	*100000*	*115085*	*115*
Antimony		*-1.51*	
B		*8.91*	
Beryllium		*0.0222*	
Calcium	*100000*	*103255*	*103*
Cobalt		*-1.15*	
Copper		*0.834*	
Iron	*100000*	*115833*	*116*
Li		*1.46*	
Magnesium	*100000*	*108262*	*108*
Manganese		*-2.59*	
Mo		*2.66*	
Nickel		*-5.20*	
Potassium		*1252*	
Si		*5.21*	
Si		*6.94*	
Sn		*-0.606*	
Sodium		*103*	
Sr		*-2.03*	
Thallium		*-0.462*	
Ti		*0.361*	
Vanadium		*-2.85*	
Zinc		*1.45*	
Zr		*1.64*	

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: BC-GW-MW06-120111 MS
Lab ID: 360-37900-4 MS
Lab Name: TestAmerica Westfield
Job No.: 360-37900-1
SDG No.: 360-37900
Matrix: Water
Concentration Units: ug/L
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	1070		ND		1000	107	75-125		6010B
Arsenic	1100		ND		1000	110	75-125		6010B
Barium	1140		88		1000	105	75-125		6010B
Cadmium	1080		2.3		1000	108	75-125		6010B
Chromium	1080		8.9		1000	107	75-125		6010B
Lead	1070		ND		1000	107	75-125		6010B
Selenium	1090		ND		1000	109	75-125		6010B
Mercury	4.61		ND		5.00	92	75-125		7470A

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: BC-GW-MW06-120111 MSD
Lab ID: 360-37900-4 MSD
Lab Name: TestAmerica Westfield
Job No.: 360-37900-1
SDG No.: 360-37900
Matrix: Water
Concentration Units: ug/L
% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Silver	1070		1000	107	75-125	0	20		6010B
Arsenic	1100		1000	110	75-125	0	20		6010B
Barium	1140		1000	105	75-125	0	20		6010B
Cadmium	1080		1000	107	75-125	0	20		6010B
Chromium	1070		1000	106	75-125	0	20		6010B
Lead	1060		1000	106	75-125	0	20		6010B
Selenium	1090		1000	109	75-125	0	20		6010B
Mercury	4.67		5.00	93	75-125	1	20		7470A

SDR = Sample Duplicate Result

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

FORM VD - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-84196/2-A

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

Sample Matrix: Water LCS Source: stlma-3_00060

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Silver	1000	1030		103	80	120		6010B
Arsenic	1000	1040		104	80	120		6010B
Barium	1000	1030		103	80	120		6010B
Cadmium	1000	1030		103	80	120		6010B
Chromium	1000	1020		102	80	120		6010B
Lead	1000	1030		103	80	120		6010B
Selenium	1000	1030		103	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 360-84196/3-A

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

Sample Matrix: Water LCS Source: stlma-3_00060

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Silver	1080		1000	108	80-120	5	20		6010B
Arsenic	1090		1000	109	80-120	5	20		6010B
Barium	1080		1000	108	80-120	4	20		6010B
Cadmium	1080		1000	108	80-120	5	20		6010B
Chromium	1080		1000	108	80-120	5	20		6010B
Lead	1080		1000	108	80-120	4	20		6010B
Selenium	1080		1000	108	80-120	5	20		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 360-84431/2-A

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

Sample Matrix: Water LCS Source: METHG1mg/L_00788

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	4.74		95	80	120		7470A

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 360-84431/3-A

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

Sample Matrix: Water LCS Source: METHG1mg/L_00788

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	4.77		5.00	95	80-120	1	20		7470A

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

FORM VIID - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37900-1

SDG Number: 360-37900

Matrix: Water Instrument ID: Varian ICP

Method: 6010B MDL Date: 10/07/2010 00:00

Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic	188.980	10	2.84
Barium	493.408	10	1.36
Cadmium	214.439	1	0.13
Chromium	267.716	5	0.65
Lead	220.353	5	1.36
Selenium	196.026	10	4
Silver	338.289	12	1.36

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37900-1

SDG Number: 360-37900

Matrix: Water Instrument ID: Varian ICP

Method: 6010B XMDL Date: 10/19/2010 15:56

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	188.980	10	2.84
Barium	493.408	10	1.36
Cadmium	214.439	1	0.13
Chromium	267.716	5	0.65
Lead	220.353	5	1.36
Selenium	196.026	10	4
Silver	338.289	5	1.36

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37900-1

SDG Number: 360-37900

Matrix: Water Instrument ID: Hg Analyzer

Method: 7470A MDL Date: 04/08/2011 13:52

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury	253.7	0.2	0.154

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37900-1

SDG Number: 360-37900

Matrix: Water Instrument ID: Hg Analyzer

Method: 7470A XMDL Date: 04/08/2011 13:52

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.154

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Westfield Job No: 360-37900-1

SDG No.: 360-37900

Instrument ID: Varian ICP Date: 08/19/2011 16:31

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Silver		25000	6010B
Arsenic		50000	6010B
Barium		12500	6010B
Cadmium		20000	6010B
Chromium		50000	6010B
Lead		100000	6010B
Selenium		50000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 360-84196/1-A	12/02/2011 08:30	84196		50	50
LCS 360-84196/2-A	12/02/2011 08:30	84196		50	50
LCSD 360-84196/3-A	12/02/2011 08:30	84196		50	50
360-37900-4	12/02/2011 08:30	84196		50	50
360-37900-4 MS	12/02/2011 08:30	84196		50	50
360-37900-4 MSD	12/02/2011 08:30	84196		50	50
360-37900-2	12/02/2011 08:30	84196		50	50
360-37900-3	12/02/2011 08:30	84196		50	50
360-37900-5	12/02/2011 08:30	84196		50	50
360-37900-6	12/02/2011 08:30	84196		50	50
360-37900-7	12/02/2011 08:30	84196		50	50
360-37900-8	12/02/2011 08:30	84196		50	50
360-37900-9	12/02/2011 08:30	84196		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 360-84431/1-A	12/07/2011 10:00	84431		10	10
LCS 360-84431/2-A	12/07/2011 10:00	84431		10	10
LCSD 360-84431/3-A	12/07/2011 10:00	84431		10	10
360-37900-4	12/07/2011 10:00	84431		10	10
360-37900-4 MS	12/07/2011 10:00	84431		10	10
360-37900-4 MSD	12/07/2011 10:00	84431		10	10
360-37900-2	12/07/2011 10:00	84431		10	10
360-37900-3	12/07/2011 10:00	84431		10	10
360-37900-5	12/07/2011 10:00	84431		10	10
360-37900-6	12/07/2011 10:00	84431		10	10
360-37900-7	12/07/2011 10:00	84431		10	10
360-37900-8	12/07/2011 10:00	84431		10	10
360-37900-9	12/07/2011 10:00	84431		10	10

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Instrument ID: Varian ICP Method: 6010B

Start Date: 12/02/2011 11:12 End Date: 12/02/2011 19:22

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			11:12																				
ZZZZZZ			11:15																				
ZZZZZZ			11:18																				
ZZZZZZ			11:21																				
ZZZZZZ			11:24																				
ZZZZZZ			11:27																				
ZZZZZZ			11:30																				
ZZZZZZ			11:33																				
ZZZZZZ			11:36																				
ICV 360-84305/10	1		11:39	X	X	X	X	X	X	X													
ICB 360-84305/11	1		11:42	X	X	X	X	X	X	X													
CRI 360-84305/12	1		11:45	X	X	X	X	X	X	X													
CRI 360-84305/13	1		11:48		X	X	X	X	X	X													
ICSA 360-84305/14	1		11:51	X	X	X	X	X	X	X													
ICSAB 360-84305/15	1		11:54	X	X	X	X	X	X	X													
ZZZZZZ			11:57																				
CCV 360-84305/17	1		12:00	X	X	X	X	X	X	X													
CCB 360-84305/18	1		12:03	X	X	X	X	X	X	X													
ICV 360-84305/19			12:06																				
ICV 360-84305/20			12:09																				
ICB 360-84305/21			12:22																				
CRI 360-84305/22			12:25																				
CRI 360-84305/23			12:28																				
CCV 360-84305/24	1		15:06	X	X	X	X	X	X	X													
CCB 360-84305/25	1		15:09	X	X	X	X	X	X	X													
MB 360-84196/1-A	1	T	15:41	X	X	X	X	X	X	X													
LCS 360-84196/2-A	1	T	15:44	X	X	X	X	X	X	X													
CCV 360-84305/28	1		15:47	X	X	X	X	X	X	X													
CCB 360-84305/29	1		15:50	X	X	X	X	X	X	X													
LCSD 360-84196/3-A	1	T	15:53	X	X	X	X	X	X	X													
360-37900-4	1	T	15:56	X	X	X	X	X	X	X													
360-37900-4 MS	1	T	15:58	X	X	X	X	X	X	X													
360-37900-4 MSD	1	T	16:01	X	X	X	X	X	X	X													
ZZZZZZ			16:04																				
ZZZZZZ			16:07																				
360-37900-2	1	T	16:10	X	X	X	X	X	X	X													
360-37900-3	1	T	16:13	X	X	X	X	X	X	X													
360-37900-5	1	T	16:16	X	X	X	X	X	X	X													
360-37900-6	1	T	16:19	X	X	X	X	X	X	X													
CCV 360-84305/40	1		16:22	X	X	X	X	X	X	X													
CCB 360-84305/41	1		16:25	X	X	X	X	X	X	X													
360-37900-7	1	T	16:28	X	X	X	X	X	X	X													

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Instrument ID: Varian ICP Method: 6010B

Start Date: 12/02/2011 11:12 End Date: 12/02/2011 19:22

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
360-37900-8	1	T	16:31	X	X	X	X	X	X	X													
360-37900-9	1	T	16:34	X	X	X	X	X	X	X													
ZZZZZZ			16:37																				
ZZZZZZ			16:40																				
ZZZZZZ			16:43																				
ZZZZZZ			16:45																				
ZZZZZZ			16:48																				
ZZZZZZ			16:51																				
ZZZZZZ			16:54																				
CCV 360-84305/52	1		16:57	X	X	X	X	X	X	X													
CCB 360-84305/53	1		17:00	X	X	X	X	X	X	X													
ZZZZZZ			17:03																				
ZZZZZZ			17:06																				
ZZZZZZ			17:13																				
ZZZZZZ			17:16																				
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
ZZZZZZ			17:25																				
ZZZZZZ			17:28																				
ZZZZZZ			17:31																				
CCV 360-84305/63	1		17:36	X	X	X	X	X	X	X													
CCB 360-84305/64	1		17:39	X	X	X	X	X	X	X													
CCV 360-84305/65	1		19:13	X	X	X	X	X	X	X													
CCB 360-84305/66	1		19:16	X	X	X	X	X	X	X													
ICSA 360-84305/67	1		19:19	X	X	X	X	X	X	X													
ICSAB 360-84305/68			19:22																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Instrument ID: Hg Analyzer Method: 7470A

Start Date: 12/07/2011 10:40 End Date: 12/07/2011 14:08

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD01REP1 360-84448/1 IC			10:40	X																			
STD01REP2 360-84448/2 IC			10:41	X																			
STD02REP1 360-84448/3 IC			10:43	X																			
STD02REP2 360-84448/4 IC			10:45	X																			
STD03REP1 360-84448/5 IC			10:47	X																			
STD03REP2 360-84448/6 IC			10:49	X																			
STD04REP1 360-84448/7 IC			10:50	X																			
STD04REP2 360-84448/8 IC			10:53	X																			
STD05REP1 360-84448/9 IC			10:54	X																			
STD05REP2 360-84448/10 IC			10:57	X																			
STD06REP1 360-84448/11 IC			10:58	X																			
STD06REP2 360-84448/12 IC			11:00	X																			
ICV 360-84448/13	1		11:05	X																			
ZZZZZZ			11:07																				
ICB 360-84448/15	1		11:09	X																			
CCV 360-84448/16			12:16																				
CCB 360-84448/17			12:17																				
CCV 360-84448/18	1		12:32	X																			
CCB 360-84448/19	1		12:34	X																			
MB 360-84431/1-A	1	T	12:59	X																			
ZZZZZZ			13:01																				
LCS 360-84431/2-A	1	T	13:06	X																			
LCSD 360-84431/3-A	1	T	13:08	X																			
360-37900-4	1	T	13:10	X																			
ZZZZZZ			13:12																				
360-37900-4 MS	1	T	13:16	X																			
360-37900-4 MSD	1	T	13:20	X																			
360-37900-2	1	T	13:22	X																			
360-37900-3	1	T	13:24	X																			
CCV 360-84448/30	1		13:26	X																			
CCB 360-84448/31	1		13:28	X																			
360-37900-5	1	T	13:30	X																			
360-37900-6	1	T	13:32	X																			
360-37900-7	1	T	13:33	X																			
360-37900-8	1	T	13:35	X																			
360-37900-9	1	T	13:37	X																			
ZZZZZZ			13:39																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Instrument ID: Hg Analyzer Method: 7470A

Start Date: 12/07/2011 10:40 End Date: 12/07/2011 14:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			13:41																				
ZZZZZZ			13:43																				
ZZZZZZ			13:45																				
ZZZZZZ			13:47																				
CCV 360-84448/42	1		13:49	X																			
CCB 360-84448/43	1		13:51	X																			
ZZZZZZ			13:53																				
ZZZZZZ			13:54																				
ZZZZZZ			13:57																				
ZZZZZZ			14:00																				
ZZZZZZ			14:02																				
ZZZZZZ			14:04																				
CCV 360-84448/50			14:06																				
CCB 360-84448/51			14:08																				

Prep Types

D = Dissolved

T = Total/NA

Method Parameters

Analysis Lines

Label	El	Wavelen.	Type	I/S	Bkg	Mode	PPP	OBCL	OBCR
Ag 338.289	Ag	338.289	Analyte	-		Fitted	2		
Al 237.312	Al	237.312	Analyte	-		Fitted	2		
As 188.980	As	188.980	Analyte	-		Fitted	2		
B 249.678	B	249.678	Analyte	-		Fitted	2		
Ba 493.408	Ba	493.408	Analyte	-		Fitted	2		
Be 313.042	Be	313.042	Analyte	-		Fitted	2		
Ca 373.690	Ca	373.690	Analyte	-		Fitted	2		
Cd 214.439	Cd	214.439	Analyte	-		Fitted	2		
Co 228.615	Co	228.615	Analyte	-		Fitted	2		
Cr 267.716	Cr	267.716	Analyte	-		Fitted	2		
Cu 327.395	Cu	327.395	Analyte	-		Fitted	2		
Fe 273.955	Fe	273.955	Analyte	-		Fitted	2		
K 404.721	K	404.721	Analyte	-		Fitted	2		
Li 610.365	Li	610.365	Analyte	-		Fitted	2		
Mg 279.078	Mg	279.078	Analyte	-		Fitted	2		
Mn 257.610	Mn	257.610	Analyte	-		Fitted	2		
Mo 202.032	Mo	202.032	Analyte	-		Fitted	2		
Na 330.237	Na	330.237	Analyte	-		Fitted	2		
Ni 216.555	Ni	216.555	Analyte	-		Fitted	2		
Pb 220.353	Pb	220.353	Analyte	-		Fitted	2		
Sb 217.582	Sb	217.582	Analyte	-		Fitted	2		
Se 196.026	Se	196.026	Analyte	-		Fitted	2		
Si 251.611	Si	251.611	Analyte	-		Fitted	2		
Si 288.158	Si	288.158	Analyte	-		Fitted	2		
Sn 189.925	Sn	189.925	Analyte	-		Fitted	2		
Sr 421.552	Sr	421.552	Analyte	-		Fitted	2		
Ti 336.122	Ti	336.122	Analyte	-		Fitted	2		
Tl 190.794	Tl	190.794	Analyte	-		Fitted	2		
V 292.401	V	292.401	Analyte	-		Fitted	2		
Zn 202.548	Zn	202.548	Analyte	-		Fitted	2		
Zr 339.198	Zr	339.198	Analyte	-		Fitted	2		

Conditions Sets (All lines share a single condition set)

Pwr(kW)	PlasFlow(L/min)	AuxFlow(L/min)	NebFlow(L/min)	Replicate Time(s)	Stab Time(s)
1.20	15.0	1.50	0.75	30.000	20

Sample Introduction

Sample Uptake(s)	Rinse Time(s)	Pump Rate(rpm)	Fast Pump
30	45	13	On

General Settings

Replicates
2

Calibration Settings

Calib. Mode	No. Standards	Corr Coeff Limit	Reslopes
Quantitative	6	0.998000	Off

Standard Concentration

El	Units	Standard 1	Standard 2	Standard 3	Standard 4
Ag	ug/L	1000.00000			
Al	ug/L	5000.00000	10000.00000	12500.00000	15000.00000
As	ug/L	1000.00000			
B	ug/L	1000.00000			
Ba	ug/L	1000.00000			
Be	ug/L	1000.00000			
Ca	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Cd	ug/L	1000.00000			
Co	ug/L	1000.00000			
Cr	ug/L	1000.00000			
Cu	ug/L	1000.00000			
Fe	ug/L	5000.00000	10000.00000	12500.00000	15000.00000
K	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Li	ug/L	5000.00000			
Mg	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Mn	ug/L	1000.00000			
Mo	ug/L	1000.00000			
Na	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Ni	ug/L	1000.00000			
Pb	ug/L	1000.00000			
Sb	ug/L	1000.00000			
Se	ug/L	1000.00000			
Si	ug/L	1000.00000			
Sn	ug/L	1000.00000			
Sr	ug/L	1000.00000			
Ti	ug/L	1000.00000			
Tl	ug/L	1000.00000			
V	ug/L	1000.00000			
Zn	ug/L	1000.00000			
Zr	ug/L	1000.00000			

El	Units	Standard 5	Standard 6
Ag	ug/L		
Al	ug/L	20000.00000	25000.00000
As	ug/L		
B	ug/L		
Ba	ug/L		
Be	ug/L		
Ca	ug/L	80000.00000	100000.00000
Cd	ug/L		
Co	ug/L		
Cr	ug/L		
Cu	ug/L		
Fe	ug/L	20000.00000	25000.00000
K	ug/L	80000.00000	100000.00000
Li	ug/L		
Mg	ug/L	80000.00000	100000.00000
Mn	ug/L		
Mo	ug/L		
Na	ug/L	80000.00000	100000.00000
Ni	ug/L		
Pb	ug/L		
Sb	ug/L		
Se	ug/L		
Si	ug/L		

El	Units	Standard 5	Standard 6
Sn	ug/L		
Sr	ug/L		
Ti	ug/L		
Tl	ug/L		
V	ug/L		
Zn	ug/L		
Zr	ug/L		

Calibration Parameters

Label	Thru. Blk	W/Fit	Curve Type	Max Error	Min Conc	Max Conc	E/Curve %	U/Curve %
Ag 338.289	Off	On	Linear	20.0	0.00000	25000.00000	25	400
Al 237.312	Off	On	Quadratic	20.0	0.00000	600000.00000	25	400
As 188.980	Off	On	Linear	20.0	0.00000	50000.00000	25	400
B 249.678	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Ba 493.408	Off	On	Linear	20.0	0.00000	12500.00000	25	400
Be 313.042	Off	On	Linear	20.0	0.00000	10000.00000	25	400
Ca 373.690	Off	On	Quadratic	20.0	0.00000	500000.00000	25	400
Cd 214.439	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Co 228.615	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Cr 267.716	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Cu 327.395	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Fe 273.955	Off	On	Quadratic	20.0	0.00000	750000.00000	25	400
K 404.721	Off	Off	Quadratic	20.0	0.00000	400000.00000	25	400
Li 610.365	Off	On	Linear	20.0	0.00000	100000.00000	25	400
Mg 279.078	Off	On	Quadratic	20.0	0.00000	300000.00000	25	400
Mn 257.610	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Mo 202.032	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Na 330.237	Off	On	Linear	20.0	0.00000	400000.00000	25	400
Ni 216.555	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Pb 220.353	Off	On	Linear	20.0	0.00000	100000.00000	25	400
Sb 217.582	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Se 196.026	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Si 251.611	Off	Off	Linear	20.0	0.00000	25000.00000	25	400
Si 288.158	Off	On	Linear	20.0	0.00000	25000.00000	25	400
Sn 189.925	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Sr 421.552	Off	On	Linear	20.0	0.00000	10000.00000	25	400
Ti 336.122	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Tl 190.794	Off	On	Linear	20.0	0.00000	75000.00000	25	400
V 292.401	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Zn 202.548	Off	On	Linear	20.0	0.00000	25000.00000	25	400
Zr 339.198	Off	On	Linear	20.0	0.00000	20000.00000	25	400

Detection Limits

El	Units	MDL	CRDL
Ag	ug/L	0.00000	5.00000
Al	ug/L	0.00000	100.00000
As	ug/L	0.00000	10.00000
B	ug/L	0.00000	50.00000
Ba	ug/L	0.00000	10.00000
Be	ug/L	0.00000	1.00000
Ca	ug/L	0.00000	400.00000
Cd	ug/L	0.00000	1.00000
Co	ug/L	0.00000	10.00000
Cr	ug/L	0.00000	5.00000

El	Units	MDL	CRDL
Cu	ug/L	0.00000	10.00000
Fe	ug/L	0.00000	100.00000
K	ug/L	0.00000	4000.00000
Li	ug/L	0.00000	100.00000
Mg	ug/L	0.00000	400.00000
Mn	ug/L	0.00000	10.00000
Mo	ug/L	0.00000	40.00000
Na	ug/L	0.00000	2000.00000
Ni	ug/L	0.00000	10.00000
Pb	ug/L	0.00000	5.00000
Sb	ug/L	0.00000	6.00000
Se	ug/L	0.00000	10.00000
Si	ug/L	0.00000	75.00000
Sn	ug/L	0.00000	50.00000
Sr	ug/L	0.00000	20.00000
Ti	ug/L	0.00000	10.00000
Tl	ug/L	0.00000	10.00000
V	ug/L	0.00000	10.00000
Zn	ug/L	0.00000	50.00000
Zr	ug/L	0.00000	10.00000

QCP Tests

QC Test Name	Failure Flag	Count As Sample	Subtract PBlk	No. Solutions
Cont Calib Verif	Q	Off	Off	1
Initial Calib Verif	Q	Off	Off	2
CRI	R	Off	Off	2
Lab Control Sample	L	On	Off	2
Interf Check A	K	Off	Off	1
Interf Check AB	G	Off	Off	1
Cont Calib Blank	Z	Off	Off	1
Initial Calib Blank	Z	Off	Off	1
Duplicate	*	On	Off	1
Matrix Spike	N	On	Off	1
Matrix Spike Dup	M	On	Off	1
Prep Blank	Z	Off	Off	1

Cont Calib Verif

Report Equation: (MeasuredConc / CCVDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(CCV)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	90.0	110.0
Al	ug/L	5000.00000	90.0	110.0
As	ug/L	1000.00000	90.0	110.0
B	ug/L	1000.00000	90.0	110.0
Ba	ug/L	1000.00000	90.0	110.0
Be	ug/L	1000.00000	90.0	110.0
Ca	ug/L	20000.00000	90.0	110.0
Cd	ug/L	1000.00000	90.0	110.0
Co	ug/L	1000.00000	90.0	110.0
Cr	ug/L	1000.00000	90.0	110.0
Cu	ug/L	1000.00000	90.0	110.0
Fe	ug/L	5000.00000	90.0	110.0
K	ug/L	20000.00000	90.0	110.0

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Li	ug/L	5000.00000	90.0	110.0
Mg	ug/L	20000.00000	90.0	110.0
Mn	ug/L	1000.00000	90.0	110.0
Mo	ug/L	1000.00000	90.0	110.0
Na	ug/L	20000.00000	90.0	110.0
Ni	ug/L	1000.00000	90.0	110.0
Pb	ug/L	1000.00000	90.0	110.0
Sb	ug/L	1000.00000	90.0	110.0
Se	ug/L	1000.00000	90.0	110.0
Si	ug/L	1000.00000	90.0	110.0
Sn	ug/L	1000.00000	90.0	110.0
Sr	ug/L	1000.00000	90.0	110.0
Ti	ug/L	1000.00000	90.0	110.0
Tl	ug/L	1000.00000	90.0	110.0
V	ug/L	1000.00000	90.0	110.0
Zn	ug/L	1000.00000	90.0	110.0
Zr	ug/L	1000.00000	90.0	110.0

Initial Calib Verif

Report Equation: (MeasuredConc / ICVDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(ICV)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	90.0	110.0
Al	ug/L	1000.00000	90.0	110.0
As	ug/L	1000.00000	90.0	110.0
B	ug/L	1000.00000	90.0	110.0
Ba	ug/L	1000.00000	90.0	110.0
Be	ug/L	1000.00000	90.0	110.0
Ca	ug/L	10000.00000	90.0	110.0
Cd	ug/L	1000.00000	90.0	110.0
Co	ug/L	1000.00000	90.0	110.0
Cr	ug/L	1000.00000	90.0	110.0
Cu	ug/L	1000.00000	90.0	110.0
Fe	ug/L	1000.00000	90.0	110.0
K	ug/L	10000.00000	90.0	110.0
Li	ug/L	10000.00000	90.0	110.0
Mg	ug/L	10000.00000	90.0	110.0
Mn	ug/L	1000.00000	90.0	110.0
Mo	ug/L	1000.00000	90.0	110.0
Na	ug/L	10000.00000	90.0	110.0
Ni	ug/L	1000.00000	90.0	110.0
Pb	ug/L	1000.00000	90.0	110.0
Sb	ug/L	1000.00000	90.0	110.0
Se	ug/L	1000.00000	90.0	110.0
Si	ug/L	500.00000	90.0	110.0
Sn	ug/L	1000.00000	90.0	110.0
Sr	ug/L	1000.00000	90.0	110.0
Ti	ug/L	1000.00000	90.0	110.0
Tl	ug/L	1000.00000	90.0	110.0
V	ug/L	1000.00000	90.0	110.0
Zn	ug/L	1000.00000	90.0	110.0
Zr	ug/L	1000.00000	90.0	110.0

(IPC)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	95.0	105.0
Al	ug/L	5000.00000	95.0	105.0
As	ug/L	1000.00000	95.0	105.0
B	ug/L	1000.00000	95.0	105.0
Ba	ug/L	1000.00000	95.0	105.0
Be	ug/L	1000.00000	95.0	105.0
Ca	ug/L	20000.00000	95.0	105.0
Cd	ug/L	1000.00000	95.0	105.0
Co	ug/L	1000.00000	95.0	105.0
Cr	ug/L	1000.00000	95.0	105.0
Cu	ug/L	1000.00000	95.0	105.0
Fe	ug/L	5000.00000	95.0	105.0
K	ug/L	20000.00000	95.0	105.0
Li	ug/L	5000.00000	95.0	105.0
Mg	ug/L	20000.00000	95.0	105.0
Mn	ug/L	1000.00000	95.0	105.0
Mo	ug/L	1000.00000	95.0	105.0
Na	ug/L	20000.00000	95.0	105.0
Ni	ug/L	1000.00000	95.0	105.0
Pb	ug/L	1000.00000	95.0	105.0
Sb	ug/L	1000.00000	95.0	105.0
Se	ug/L	1000.00000	95.0	105.0
Si	ug/L	1000.00000	95.0	105.0
Sn	ug/L	1000.00000	95.0	105.0
Sr	ug/L	1000.00000	95.0	105.0
Ti	ug/L	1000.00000	95.0	105.0
Tl	ug/L	1000.00000	95.0	105.0
V	ug/L	1000.00000	95.0	105.0
Zn	ug/L	1000.00000	95.0	105.0
Zr	ug/L	1000.00000	95.0	105.0

CRI

Report Equation: (MeasuredConc/CRIDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(CRI-RL)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	5.00000	70.0	130.0
Al	ug/L	100.00000	70.0	130.0
As	ug/L	10.00000	70.0	130.0
B	ug/L	10.00000	70.0	130.0
Ba	ug/L	10.00000	70.0	130.0
Be	ug/L	1.00000	70.0	130.0
Ca	ug/L	400.00000	70.0	130.0
Cd	ug/L	1.00000	70.0	130.0
Co	ug/L	10.00000	70.0	130.0
Cr	ug/L	5.00000	70.0	130.0
Cu	ug/L	10.00000	70.0	130.0
Fe	ug/L	100.00000	70.0	130.0
K	ug/L	4000.00000	70.0	130.0
Li	ug/L	100.00000	70.0	130.0
Mg	ug/L	400.00000	70.0	130.0
Mn	ug/L	10.00000	70.0	130.0
Mo	ug/L	10.00000	70.0	130.0

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Na	ug/L	2000.00000	70.0	130.0
Ni	ug/L	10.00000	70.0	130.0
Pb	ug/L	5.00000	70.0	130.0
Sb	ug/L	10.00000	70.0	130.0
Se	ug/L	10.00000	70.0	130.0
Si	ug/L	100.00000	70.0	130.0
Sn	ug/L	50.00000	70.0	130.0
Sr	ug/L	20.00000	70.0	130.0
Ti	ug/L	10.00000	70.0	130.0
Tl	ug/L	10.00000	70.0	130.0
V	ug/L	10.00000	70.0	130.0
Zn	ug/L	50.00000	70.0	130.0
Zr	ug/L	10.00000	70.0	130.0

(CRI-MCP)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	7.00000	70.0	130.0
As	ug/L	50.00000	70.0	130.0
Ba	ug/L	2000.00000	70.0	130.0
Be	ug/L	4.00000	70.0	130.0
Cd	ug/L	5.00000	70.0	130.0
Cr	ug/L	100.00000	70.0	130.0
Ni	ug/L	100.00000	70.0	130.0
Pb	ug/L	15.00000	70.0	130.0
Sb	ug/L	6.00000	70.0	130.0
Se	ug/L	50.00000	70.0	130.0
Tl	ug/L	2.00000	70.0	130.0
V	ug/L	50.00000	70.0	130.0
Zn	ug/L	900.00000	70.0	130.0

Lab Control Sample

Report Equation: (MeasuredConc / LCSDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(LCS)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	85.0	115.0
Al	ug/L	5000.00000	85.0	115.0
As	ug/L	1000.00000	85.0	115.0
B	ug/L	1000.00000	85.0	115.0
Ba	ug/L	1000.00000	85.0	115.0
Be	ug/L	1000.00000	85.0	115.0
Ca	ug/L	20000.00000	85.0	115.0
Cd	ug/L	1000.00000	85.0	115.0
Co	ug/L	1000.00000	85.0	115.0
Cr	ug/L	1000.00000	85.0	115.0
Cu	ug/L	1000.00000	85.0	115.0
Fe	ug/L	5000.00000	85.0	115.0
K	ug/L	20000.00000	85.0	115.0
Li	ug/L	5000.00000	85.0	115.0
Mg	ug/L	20000.00000	85.0	115.0
Mn	ug/L	1000.00000	85.0	115.0
Mo	ug/L	1000.00000	85.0	115.0
Na	ug/L	20000.00000	85.0	115.0
Ni	ug/L	1000.00000	85.0	115.0

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Pb	ug/L	1000.00000	85.0	115.0
Sb	ug/L	1000.00000	85.0	115.0
Se	ug/L	1000.00000	85.0	115.0
Si	ug/L	1000.00000	85.0	115.0
Sn	ug/L	1000.00000	85.0	115.0
Sr	ug/L	1000.00000	85.0	115.0
Ti	ug/L	1000.00000	85.0	115.0
Tl	ug/L	1000.00000	85.0	115.0
V	ug/L	1000.00000	85.0	115.0
Zn	ug/L	1000.00000	85.0	115.0
Zr	ug/L	1000.00000	85.0	115.0

(LCSD)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	85.0	115.0
Al	ug/L	5000.00000	85.0	115.0
As	ug/L	1000.00000	85.0	115.0
B	ug/L	1000.00000	85.0	115.0
Ba	ug/L	1000.00000	85.0	115.0
Be	ug/L	1000.00000	85.0	115.0
Ca	ug/L	20000.00000	85.0	115.0
Cd	ug/L	1000.00000	85.0	115.0
Co	ug/L	1000.00000	85.0	115.0
Cr	ug/L	1000.00000	85.0	115.0
Cu	ug/L	1000.00000	85.0	115.0
Fe	ug/L	5000.00000	85.0	115.0
K	ug/L	20000.00000	85.0	115.0
Li	ug/L	5000.00000	85.0	115.0
Mg	ug/L	20000.00000	85.0	115.0
Mn	ug/L	1000.00000	85.0	115.0
Mo	ug/L	1000.00000	85.0	115.0
Na	ug/L	20000.00000	85.0	115.0
Ni	ug/L	1000.00000	85.0	115.0
Pb	ug/L	1000.00000	85.0	115.0
Sb	ug/L	1000.00000	85.0	115.0
Se	ug/L	1000.00000	85.0	115.0
Si	ug/L	1000.00000	85.0	115.0
Sn	ug/L	1000.00000	85.0	115.0
Sr	ug/L	1000.00000	85.0	115.0
Ti	ug/L	1000.00000	85.0	115.0
Tl	ug/L	1000.00000	85.0	115.0
V	ug/L	1000.00000	85.0	115.0
Zn	ug/L	1000.00000	85.0	115.0
Zr	ug/L	1000.00000	85.0	115.0

Interf Check A

Report Equation: MeasuredConc

Pass Test Equation: ABS(ReportValue) < CRDL

(ICSA)

El
Ag
Al
As
B

El
Ba
Be
Ca
Cd
Co
Cr
Cu
Fe
K
Li
Mg
Mn
Mo
Na
Ni
Pb
Sb
Se
Si
Sn
Sr
Ti
Tl
V
Zn
Zr

Interf Check AB
Report Equation: (MeasuredConc / ICSABDefined) * 100
Pass Test Equation: ((ReportValue >= LowLimit) AND (ReportValue <= HighLimit)) OR (MDL > CRDL)
(ICSAB)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	600.00000	80.0	120.0
Al	ug/L	100000.00000	80.0	120.0
As	ug/L	2000.00000	80.0	120.0
Ba	ug/L	600.00000	80.0	120.0
Be	ug/L	200.00000	80.0	120.0
Ca	ug/L	100000.00000	80.0	120.0
Cd	ug/L	600.00000	80.0	120.0
Co	ug/L	600.00000	80.0	120.0
Cr	ug/L	600.00000	80.0	120.0
Cu	ug/L	600.00000	80.0	120.0
Fe	ug/L	100000.00000	80.0	120.0
K	ug/L	40000.00000	80.0	120.0
Mg	ug/L	100000.00000	80.0	120.0
Mn	ug/L	400.00000	80.0	120.0
Ni	ug/L	600.00000	80.0	120.0
Pb	ug/L	2000.00000	80.0	120.0
Sb	ug/L	1000.00000	80.0	120.0
Se	ug/L	1000.00000	80.0	120.0
Tl	ug/L	2000.00000	80.0	120.0
V	ug/L	600.00000	80.0	120.0
Zn	ug/L	600.00000	80.0	120.0

Cont Calib Blank
Report Equation: MeasuredConc
Pass Test Equation: ABS(ReportValue) <= CRDL
(CCB)
El
Ag
Al
As
B
Ba
Be
Ca
Cd
Co
Cr
Cu
Fe
K
Li
Mg
Mn
Mo
Na
Ni
Pb
Sb
Se
Si
Sn
Sr
Ti
Tl
V
Zn
Zr

Initial Calib Blank
Report Equation: MeasuredConc
Pass Test Equation: ABS(ReportValue) <= CRDL
(ICB)
El
Ag
Al
As
B
Ba
Be
Ca
Cd
Co
Cr
Cu
Fe
K

El
Li
Mg
Mn
Mo
Na
Ni
Pb
Sb
Se
Si
Sn
Sr
Ti
Tl
V
Zn
Zr

Duplicate
Report Equation: 100 * ABS(PrevSampleConc - MeasuredConc) / ((PrevSampleConc + MeasuredConc)/2)
Pass Test Equation: (ReportValue <= Difference)
(Duplicate)

El	Units	Difference(%)
Ag	ug/L	20
Al	ug/L	20
As	ug/L	20
B	ug/L	20
Ba	ug/L	20
Be	ug/L	20
Ca	ug/L	20
Cd	ug/L	20
Co	ug/L	20
Cr	ug/L	20
Cu	ug/L	20
Fe	ug/L	20
K	ug/L	20
Li	ug/L	20
Mg	ug/L	20
Mn	ug/L	20
Mo	ug/L	20
Na	ug/L	20
Ni	ug/L	20
Pb	ug/L	20
Sb	ug/L	20
Se	ug/L	20
Si	ug/L	20
Sn	ug/L	20
Sr	ug/L	20
Ti	ug/L	20
Tl	ug/L	20
V	ug/L	20
Zn	ug/L	20
Zr	ug/L	20

Matrix Spike
Report Equation: 100 * (MeasuredConc - PrevSampleConc) / MSPKDefined
Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)
(Matrix Spike)

El	Units	Spike Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	75.0	125.0
Al	ug/L	5000.00000	75.0	125.0
As	ug/L	1000.00000	75.0	125.0
B	ug/L	1000.00000	75.0	125.0
Ba	ug/L	1000.00000	75.0	125.0
Be	ug/L	1000.00000	75.0	125.0
Ca	ug/L	20000.00000	75.0	125.0
Cd	ug/L	1000.00000	75.0	125.0
Co	ug/L	1000.00000	75.0	125.0
Cr	ug/L	1000.00000	75.0	125.0
Cu	ug/L	1000.00000	75.0	125.0
Fe	ug/L	5000.00000	75.0	125.0
K	ug/L	20000.00000	75.0	125.0
Li	ug/L	5000.00000	75.0	125.0
Mg	ug/L	20000.00000	75.0	125.0
Mn	ug/L	1000.00000	75.0	125.0
Mo	ug/L	1000.00000	75.0	125.0
Na	ug/L	20000.00000	75.0	125.0
Ni	ug/L	1000.00000	75.0	125.0
Pb	ug/L	1000.00000	75.0	125.0
Sb	ug/L	1000.00000	75.0	125.0
Se	ug/L	1000.00000	75.0	125.0
Si	ug/L	1000.00000	75.0	125.0
Sn	ug/L	1000.00000	75.0	125.0
Sr	ug/L	1000.00000	75.0	125.0
Ti	ug/L	1000.00000	75.0	125.0
Tl	ug/L	1000.00000	75.0	125.0
V	ug/L	1000.00000	75.0	125.0
Zn	ug/L	1000.00000	75.0	125.0
Zr	ug/L	1000.00000	75.0	125.0

Matrix Spike Dup
Report Equation: 100 * (MeasuredConc - PrevSampleConc) / MSDDefined and 100 * ABS(PrevSolutionConc - MeasuredConc) / ((PrevSolutionConc + MeasuredConc)/2)
Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit) and (ReportValue <= Difference)
(Matrix Spike Dup)

El	Units	Spike Conc	Low Limit(%)	High Limit(%)	Difference(%)
Ag	ug/L	1000.00000	75.0	125.0	20
Al	ug/L	5000.00000	75.0	125.0	20
As	ug/L	1000.00000	75.0	125.0	20
B	ug/L	1000.00000	75.0	125.0	20
Ba	ug/L	1000.00000	75.0	125.0	20
Be	ug/L	1000.00000	75.0	125.0	20
Ca	ug/L	20000.00000	75.0	125.0	20
Cd	ug/L	1000.00000	75.0	125.0	20
Co	ug/L	1000.00000	75.0	125.0	20
Cr	ug/L	1000.00000	75.0	125.0	20
Cu	ug/L	1000.00000	75.0	125.0	20
Fe	ug/L	5000.00000	75.0	125.0	20

El	Units	Spike Conc	Low Limit(%)	High Limit(%)	Difference(%)
K	ug/L	20000.00000	75.0	125.0	20
Li	ug/L	5000.00000	75.0	125.0	20
Mg	ug/L	20000.00000	75.0	125.0	20
Mn	ug/L	1000.00000	75.0	125.0	20
Mo	ug/L	1000.00000	75.0	125.0	20
Na	ug/L	20000.00000	75.0	125.0	20
Ni	ug/L	1000.00000	75.0	125.0	20
Pb	ug/L	1000.00000	75.0	125.0	20
Sb	ug/L	1000.00000	75.0	125.0	20
Se	ug/L	1000.00000	75.0	125.0	20
Si	ug/L	1000.00000	75.0	125.0	20
Sn	ug/L	1000.00000	75.0	125.0	20
Sr	ug/L	1000.00000	75.0	125.0	20
Ti	ug/L	1000.00000	75.0	125.0	20
Tl	ug/L	1000.00000	75.0	125.0	20
V	ug/L	1000.00000	75.0	125.0	20
Zn	ug/L	1000.00000	75.0	125.0	20
Zr	ug/L	1000.00000	75.0	125.0	20

Prep Blank
Report Equation: MeasuredConc
Pass Test Equation: ABS(ReportValue) <= CRDL
(RB)

El

IEC Factor Matrix

Analyte	As 188.980	Co 228.615	Cu 327.395	Ni 216.555
Ca 373.690	0.000000	0.000000	0.000000	0.000000
Ba 493.408	0.000000	0.000000	0.000000	0.000000
Be 313.042	0.000001	-0.000000	-0.000000	0.000000
Li 610.365	0.000000	0.000000	0.000000	0.000000
Mg 279.078	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Se 196.026	0.000000	0.000000	0.000000	0.000000
Na 330.237	0.000000	0.000000	0.000000	0.000000
Sr 421.552	0.000000	0.000000	0.000000	0.000000
B 249.678	0.000000	0.001516	0.000000	0.000000
Si 251.611	0.000000	0.000000	0.000000	0.000000
Ti 336.122	0.000000	0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000000	0.000000	0.000000
Cr 267.716	0.000000	0.000000	0.000000	-0.000000
Co 228.615	0.000000		0.000000	0.000112
Pb 220.353	0.000000	0.000000	0.000000	0.000000
Mn 257.610	0.000000	0.000000	0.000000	0.000000
Ni 216.555	0.003743	0.000000	0.000000	
Tl 190.794	0.000000	0.002522	0.000000	0.000000
Zn 202.548	0.000000	0.000000	0.007636	0.000000
Ag 338.289	0.000000	0.000000	0.000000	0.000254
Al 237.312	0.000000	0.001020	0.000000	0.000000
Cu 327.395	0.000000	0.000287		0.000000
Si 288.158	0.000000	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000	-0.000000	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
As 188.980		0.000000	0.000000	0.000000

Analyte	As 188.980	Co 228.615	Cu 327.395	Ni 216.555
V 292.401	0.000000	0.000001	0.000000	0.000000
Cd 214.439	0.000000	-0.000000	0.000000	0.000000
Sb 217.582	0.000000	0.000000	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000
Analyte	**V 292.401**	**Cd 214.439**	**Cr 267.716**	**Mn 257.610**
Ca 373.690	0.000000	0.000000	0.000000	0.000000
Ba 493.408	0.000000	-0.000000	-0.000000	0.000000
Be 313.042	0.000097	0.000000	-0.000000	0.000000
Li 610.365	0.000000	0.000000	0.000000	0.000000
Mg 279.078	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Se 196.026	0.000000	0.000000	0.000000	0.000778
Na 330.237	0.000000	0.000000	0.000000	0.000000
Sr 421.552	0.000000	-0.000000	0.000000	0.000000
B 249.678	0.000000	0.000000	0.000431	0.000000
Si 251.611	0.000000	0.000000	0.000000	0.000000
Ti 336.122	0.000000	0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000000	0.000000	0.000000
Cr 267.716	0.000000	0.000000		0.000000
Co 228.615	0.000000	0.000000	0.000000	0.000000
Pb 220.353	0.000000	0.000000	0.000000	0.000000
Mn 257.610	0.000000	0.000000	0.000000	
Ni 216.555	0.000000	0.000000	0.000000	0.000000
Tl 190.794	0.001320	0.000000	0.000232	0.000000
Zn 202.548	0.000000	0.000000	0.000000	0.000000
Ag 338.289	-0.000218	0.000000	0.019322	0.000000
Al 237.312	0.000084	0.000000	0.000000	0.000000
Cu 327.395	0.000000	0.000000	0.000000	0.000000
Si 288.158	0.000000	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000	0.000952	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
As 188.980	0.000000	0.000000	0.000270	0.000000
V 292.401		0.000000	0.000000	0.000000
Cd 214.439	0.000000		0.000000	0.000000
Sb 217.582	0.000000	0.000895	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000
Analyte	**Be 313.042**	**Sb 217.582**	**Si 251.611**	**Ti 336.122**
Ca 373.690	0.000000	0.000000	0.000000	0.000000
Ba 493.408	0.000000	0.000000	0.000000	-0.000000
Be 313.042		0.000000	0.000000	0.000000
Li 610.365	0.000000	-0.000000	0.000000	0.000006
Mg 279.078	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Se 196.026	0.000000	0.000000	0.000001	0.000000
Na 330.237	0.000000	0.000000	0.000000	0.000000
Sr 421.552	-0.000000	-0.000000	0.000000	0.000000
B 249.678	0.000000	0.000000	0.001157	0.000000
Si 251.611	0.000000	0.019093		0.032562
Ti 336.122	0.000000	0.000000	0.000000	
Zr 339.198	0.000000	0.000000	0.000000	0.000000
Cr 267.716	0.000000	0.000000	0.000000	0.000000
Co 228.615	0.000000	0.000000	0.000000	0.001848
Pb 220.353	0.000000	0.000000	0.000000	0.000000
Mn 257.610	0.000000	0.000001	0.000000	0.000000

Analyte	Be 313.042	Sb 217.582	Si 251.611	Ti 336.122
Ni 216.555	0.000000	0.000000	0.000000	0.000000
Tl 190.794	0.000000	0.000000	0.000000	0.000000
Zn 202.548	0.000000	0.000000	0.000000	-0.000000
Ag 338.289	0.000000	0.000000	0.000000	0.000000
Al 237.312	0.000000	0.000000	0.000000	0.000000
Cu 327.395	0.000000	0.000000	0.000000	0.000000
Si 288.158	0.000000	0.020256		0.000000
Fe 273.955	0.000000	-0.000000	0.000000	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
As 188.980	0.000000	0.000000	0.000000	0.000000
V 292.401	0.000000	0.000000	0.000000	0.000626
Cd 214.439	0.000000	0.000000	-0.000000	0.000000
Sb 217.582	0.000000		0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000

Analyte	Zn 202.548	Ca 373.690	Fe 273.955	Mg 279.078
Ca 373.690	0.000000		0.011925	0.000000
Ba 493.408	0.000000	0.000000	0.000000	0.000000
Be 313.042	0.000000	0.000000	0.000000	0.000000
Li 610.365	0.000000	0.000000	0.000000	0.000000
Mg 279.078	0.000000	0.000000	0.000120	
K 404.721	0.000000	0.000000	0.001838	0.000000
Se 196.026	0.000000	0.000000	-0.000008	0.000000
Na 330.237	-0.081530	0.000000	0.000000	0.000000
Sr 421.552	0.000000	0.000020	0.000000	0.000000
B 249.678	0.000000	0.000000	0.000000	0.000000
Si 251.611	0.000000	0.000000	0.000000	0.000000
Ti 336.122	0.000000	0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000000	0.000000	-0.000000
Cr 267.716	0.000000	0.000000	0.000000	0.000000
Co 228.615	0.000000	0.000000	0.000032	0.000000
Pb 220.353	0.000000	0.000000	-0.000005	0.000000
Mn 257.610	0.000000	0.000000	0.000000	0.000029
Ni 216.555	0.000000	0.000000	0.000099	0.000000
Tl 190.794	0.000000	0.000002	0.000000	0.000000
Zn 202.548		0.000000	0.000019	0.000000
Ag 338.289	0.000000	0.000000	0.000001	0.000000
Al 237.312	0.000000	0.000000	0.000000	0.000000
Cu 327.395	0.000000	0.000000	0.000000	0.000000
Si 288.158	0.000000	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000		0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000004
As 188.980	0.000000	0.000000	0.000000	0.000000
V 292.401	0.000000	0.000019	0.000009	0.000000
Cd 214.439	0.000000	0.000000	0.000017	0.000000
Sb 217.582	0.000000	0.000000	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000

Analyte	Ba 493.408
Ca 373.690	0.000000
Ba 493.408	
Be 313.042	0.000000
Li 610.365	0.000000
Mg 279.078	0.000000
K 404.721	0.061139
Se 196.026	0.000000

Analyte	Ba 493.408
Na 330.237	0.000000
Sr 421.552	0.000000
B 249.678	0.000000
Si 251.611	0.000000
Ti 336.122	0.000000
Zr 339.198	0.000000
Cr 267.716	0.000000
Co 228.615	0.000000
Pb 220.353	0.000000
Mn 257.610	0.000000
Ni 216.555	0.000000
Tl 190.794	0.000000
Zn 202.548	0.000000
Ag 338.289	0.000000
Al 237.312	0.000000
Cu 327.395	0.000000
Si 288.158	0.000000
Fe 273.955	0.000000
Sn 189.925	0.000000
As 188.980	0.000000
V 292.401	0.000000
Cd 214.439	-0.000001
Sb 217.582	0.000000
Mo 202.032	0.000000

e - Locked factor.

i - Factor not calculated due to Interferent error.

a - Factor not calculated due to Analyte error.

Units

Unit Name	Multiplier	Divider
ppb	1	1E9
ug/L	1	1E9

Columns

Column
Ag 338.289
Al 237.312
As 188.980
B 249.678
Ba 493.408
Be 313.042
Ca 373.690
Cd 214.439
Co 228.615
Cr 267.716
Cu 327.395
Fe 273.955
K 404.721
Li 610.365
Mg 279.078
Mn 257.610

Column
Mo 202.032
Na 330.237
Ni 216.555
Pb 220.353
Sb 217.582
Se 196.026
Si 251.611
Si 288.158
Sn 189.925
Sr 421.552
Ti 336.122
Tl 190.794
V 292.401
Zn 202.548
Zr 339.198

Display Column Flags

Column	o	QC	S	e	uncal	I	n	a	u	v	x	b	p	m	d
Ag 338.289	x	x	x	x	x	x	x	x	x	x	x	x	x		
Al 237.312	x	x	x	x	x	x	x	x	x	x	x	x	x		
As 188.980	x	x	x	x	x	x	x	x	x	x	x	x	x		
B 249.678	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ba 493.408	x	x	x	x	x	x	x	x	x	x	x	x	x		
Be 313.042	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ca 373.690	x	x	x	x	x	x	x	x	x	x	x	x	x		
Cd 214.439	x	x	x	x	x	x	x	x	x	x	x	x	x		
Co 228.615	x	x	x	x	x	x	x	x	x	x	x	x	x		
Cr 267.716	x	x	x	x	x	x	x	x	x	x	x	x	x		
Cu 327.395	x	x	x	x	x	x	x	x	x	x	x	x	x		
Fe 273.955	x	x	x	x	x	x	x	x	x	x	x	x	x		
K 404.721	x	x	x	x	x	x	x	x	x	x	x	x	x		
Li 610.365	x	x	x	x	x	x	x	x	x	x	x	x	x		
Mg 279.078	x	x	x	x	x	x	x	x	x	x	x	x	x		
Mn 257.610	x	x	x	x	x	x	x	x	x	x	x	x	x		
Mo 202.032	x	x	x	x	x	x	x	x	x	x	x	x	x		
Na 330.237	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ni 216.555	x	x	x	x	x	x	x	x	x	x	x	x	x		
Pb 220.353	x	x	x	x	x	x	x	x	x	x	x	x	x		
Sb 217.582	x	x	x	x	x	x	x	x	x	x	x	x	x		
Se 196.026	x	x	x	x	x	x	x	x	x	x	x	x	x		
Si 251.611	x	x	x	x	x	x	x	x	x	x	x	x	x		
Si 288.158	x	x	x	x	x	x	x	x	x	x	x	x	x		
Sn 189.925	x	x	x	x	x	x	x	x	x	x	x	x	x		
Sr 421.552	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ti 336.122	x	x	x	x	x	x	x	x	x	x	x	x	x		
Tl 190.794	x	x	x	x	x	x	x	x	x	x	x	x	x		
V 292.401	x	x	x	x	x	x	x	x	x	x	x	x	x		
Zn 202.548	x	x	x	x	x	x	x	x	x	x	x	x	x		
Zr 339.198	x	x	x	x	x	x	x	x	x	x	x	x	x		

Blank (Blk) **12/2/2011, 11:12:51 AM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	3.170	171.3	-1.85034
Al 237.312	0.000000	ug/L	5.632	37.4	15.0768
As 188.980	0.000000	ug/L	1.905	46.6	4.08736
B 249.678	0.000000	ug/L	13.355	12.8	104.580
Ba 493.408	0.000000	ug/L	29.919	13.2	227.266
Be 313.042	0.000000	ug/L	4.763	3.4	141.239
Ca 373.690	0.000000	ug/L	4.743	7.7	61.2437
Cd 214.439	0.000000	ug/L	2.598	37.0	7.01932
Co 228.615	0.000000	ug/L	1.588	5.5	28.7709
Cr 267.716	0.000000	ug/L	5.259	7.3	71.7166
Cu 327.395	0.000000	ug/L	6.124	3.1	196.743
Fe 273.955	0.000000	ug/L	10.657	17.9	59.6104
K 404.721	0.000000	ug/L	6.053	29.7	20.3877
Li 610.365	0.000000	ug/L	15.888	24.5	64.9766
Mg 279.078	0.000000	ug/L	3.885	16.2	23.9243
Mn 257.610	0.000000	ug/L	7.560	14.1	53.5973
Mo 202.032	0.000000	ug/L	1.435	8.4	17.0730
Na 330.237	0.000000	ug/L	4.650	44.6	10.4150
Ni 216.555	0.000000	ug/L	1.422	12.5	11.3680
Pb 220.353	0.000000	ug/L	0.321	1.9	16.7608
Sb 217.582	0.000000	ug/L	2.143	19.9	10.7925
Se 196.026	0.000000	ug/L	1.127	24.2	4.65436
Si 251.611	0.000000	ug/L	3.242	6.3	51.6676
Si 288.158	0.000000	ug/L	9.090	1.9	485.233
Sn 189.925	0.000000	ug/L	3.388	51.2	6.61875
Sr 421.552	0.000000	ug/L	7.524	13.8	54.5586
Ti 336.122	0.000000	ug/L	25.481	46.0	55.4238
Tl 190.794	0.000000	ug/L	1.123	42.8	2.62108
V 292.401	0.000000	ug/L	1.425	3.6	39.2141
Zn 202.548	0.000000	ug/L	1.629	5.1	32.2457
Zr 339.198	0.000000	ug/L	6.208	326.6	1.90063

Standard 1 (Std) **12/2/2011, 11:15:47 AM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	24.023	0.2	11342.2
Al 237.312	5000.00	ug/L	91.987	0.4	24471.9
As 188.980	1000.00	ug/L	4.628	0.3	1834.80
B 249.678	1000.00	ug/L	329.628	1.0	34218.3
Ba 493.408	1000.00	ug/L	11399.445	0.4	2641497
Be 313.042	1000.00	ug/L	75678.813	1.7	4368333
Ca 373.690	20000.0	ug/L	726.177	0.4	176807
Cd 214.439	1000.00	ug/L	205.354	0.3	69273.9
Co 228.615	1000.00	ug/L	64.548	0.5	14310.8
Cr 267.716	1000.00	ug/L	370.684	0.5	70244.6
Cu 327.395	1000.00	ug/L	220.844	0.3	75344.3
Fe 273.955	5000.00	ug/L	623.652	0.5	121379
K 404.721	20000.0	ug/L	15.945	2.9	556.875
Li 610.365	5000.00	ug/L	2561.715	0.4	644400
Mg 279.078	20000.0	ug/L	759.698	0.5	160206
Mn 257.610	1000.00	ug/L	2011.741	0.5	423550
Mo 202.032	1000.00	ug/L	229.167	1.9	12173.0
Na 330.237	20000.0	ug/L	18.495	0.3	5624.88

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	9.557	0.1	13966.2
Pb 220.353	1000.00	ug/L	30.442	0.4	8361.88
Sb 217.582	1000.00	ug/L	18.311	0.8	2376.28
Se 196.026	1000.00	ug/L	3.037	0.3	952.757
Si 251.611	1000.00	ug/L	61.230	0.9	6647.23
Si 288.158	1000.00	ug/L	184.921	1.1	16219.6
Sn 189.925	1000.00	ug/L	13.932	0.5	2837.94
Sr 421.552	1000.00	ug/L	5006.139	0.2	3172491
Ti 336.122	1000.00	ug/L	1781.511	0.5	334137
Tl 190.794	1000.00	ug/L	2.128	0.1	1648.26
V 292.401	1000.00	ug/L	247.327	0.4	56358.7
Zn 202.548	1000.00	ug/L	223.089	0.4	51650.4
Zr 339.198	1000.00	ug/L	40.405	0.1	72979.8

Standard 2 (Std) **12/2/2011, 11:18:43 AM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	10000.0	ug/L	386.097	0.9	45219.0
Ca 373.690	40000.0	ug/L	2326.845	0.7	329104
Fe 273.955	10000.0	ug/L	2068.542	0.9	224467
K 404.721	40000.0	ug/L	1.508	0.1	1103.56
Mg 279.078	40000.0	ug/L	1862.807	0.6	296995
Na 330.237	40000.0	ug/L	64.501	0.6	11054.7

Standard 3 (Std) **12/2/2011, 11:21:40 AM** **Rack 0, Tube 4**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	12500.0	ug/L	82.734	0.1	56990.3
Ca 373.690	50000.0	ug/L	262.801	0.1	413815
Fe 273.955	12500.0	ug/L	492.610	0.2	281841
K 404.721	50000.0	ug/L	3.079	0.2	1430.68
Mg 279.078	50000.0	ug/L	278.467	0.1	373671
Na 330.237	50000.0	ug/L	5.107	0.0	13866.9

Standard 4 (Std) **12/2/2011, 11:24:36 AM** **Rack 0, Tube 5**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	15000.0	ug/L	584.319	0.8	69128.3
Ca 373.690	60000.0	ug/L	2920.749	0.6	500932
Fe 273.955	15000.0	ug/L	2687.337	0.8	340650
K 404.721	60000.0	ug/L	13.224	0.7	1770.85
Mg 279.078	60000.0	ug/L	3113.369	0.7	452978
Na 330.237	60000.0	ug/L	96.299	0.6	16817.5

Standard 5 (Std) **12/2/2011, 11:27:33 AM** **Rack 0, Tube 6**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	20000.0	ug/L	155.923	0.2	88709.0
Ca 373.690	80000.0	ug/L	975.277	0.2	630364
Fe 273.955	20000.0	ug/L	2050.742	0.5	441252
K 404.721	80000.0	ug/L	6.195	0.3	2379.11
Mg 279.078	80000.0	ug/L	2065.150	0.4	573397
Na 330.237	80000.0	ug/L	46.216	0.2	21787.4

Standard 6 (Std) **12/2/2011, 11:30:31 AM** **Rack 0, Tube 7**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	477.076	0.4	108113
Ca 373.690	100000	ug/L	2878.720	0.4	765708
Fe 273.955	25000.0	ug/L	163.342	0.0	521462
K 404.721	100000	ug/L	14.812	0.5	2971.52
Mg 279.078	100000	ug/L	2375.834	0.3	696908
Na 330.237	100000	ug/L	55.357	0.2	26429.5

Ag 338.289 Calibration (ug/L) **12/2/2011, 11:15:47 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.85034	0.000000	0.000000	-	-
Standard 1		11342.2	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: $y = 11.3\ x + -1.9$

Al 237.312 Calibration (ug/L) **12/2/2011, 11:30:31 AM** **Correlation Coefficient: 0.999791**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		15.0768	0.000000	-0.228904	-	-
Standard 1		24471.9	5000.00	5144.39	144.386	2.9
Standard 2		45219.0	10000.0	9719.92	-280.080	-2.8
Standard 3		56990.3	12500.0	12413.4	-86.5537	-0.7
Standard 4		69128.3	15000.0	15272.9	272.920	1.8
Standard 5		88709.0	20000.0	20082.0	81.9531	0.4
Standard 6		108113	25000.0	25123.0	122.961	0.5

Curve Type: Quadratic Equation: $y = 0.0\ x^2 + 4.9\ x + 16.2$

As 188.980 Calibration (ug/L) **12/2/2011, 11:15:47 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.08736	0.000000	0.000000	-	-
Standard 1		1834.80	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 1.8\ x + 4.1$

B 249.678 Calibration (ug/L) **12/2/2011, 11:15:47 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		104.580	0.000000	0.000000	-	-
Standard 1		34218.3	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: $y = 34.1\ x + 104.6$

Ba 493.408 Calibration (ug/L) **12/2/2011, 11:15:47 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		227.266	0.000000	0.000000	-	-
Standard 1		2641497	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 2641.3 x + 227.3

Be 313.042 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		141.239	0.000000	0.000000	-	-
Standard 1		4368333	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 4368.2 x + 141.2

Ca 373.690 Calibration (ug/L) 12/2/2011, 11:30:31 AM Correlation Coefficient: 0.999761

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		61.2437	0.000000	-0.006550	-	-
Standard 1		176807	20000.0	20374.3	374.342	1.9
Standard 2		329104	40000.0	39050.3	-949.668	-2.4
Standard 3		413815	50000.0	49966.0	-33.9961	-0.1
Standard 4		500932	60000.0	61644.5	1644.54	2.7
Standard 5		630364	80000.0	79978.5	-21.5234	0.0
Standard 6		765708	100000	100673	672.844	0.7

Curve Type: Quadratic Equation: $y = 0.0 x^2 + 8.9 x + 61.3$

Cd 214.439 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		7.01932	0.000000	0.000000	-	-
Standard 1		69273.9	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 69.3 x + 7.0

Co 228.615 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		28.7709	0.000000	0.000000	-	-
Standard 1		14310.8	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 14.3 x + 28.8

Cr 267.716 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		71.7166	0.000000	0.000000	-	-
Standard 1		70244.6	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 70.2 x + 71.7

Cu 327.395 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		196.743	0.000000	0.000000	-	-
Standard 1		75344.3	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 75.1 x + 196.7

Fe 273.955 Calibration (ug/L) 12/2/2011, 11:30:31 AM Correlation Coefficient: 0.999641

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		59.6104	0.000000	-0.013124	-	-
Standard 1		121379	5000.00	5117.36	117.355	2.3
Standard 2		224467	10000.0	9737.81	-262.190	-2.6
Standard 3		281841	12500.0	12436.3	-63.6914	-0.5
Standard 4		340650	15000.0	15310.2	310.232	2.1
Standard 5		441252	20000.0	20521.8	521.795	2.6
Standard 6		521462	25000.0	24999.2	-0.753906	0.0

Curve Type: Quadratic Equation: $y = 0.0\ x^2 + 24.4\ x + 59.9$

K 404.721 Calibration (ug/L) 12/2/2011, 11:30:31 AM Correlation Coefficient: 0.999700

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		20.3877	0.000000	494.795	-	-
Standard 1		556.875	20000.0	19744.8	-255.225	-1.3
Standard 2		1103.56	40000.0	38717.2	-1282.79	-3.2
Standard 3		1430.68	50000.0	49784.1	-215.875	-0.4
Standard 4		1770.85	60000.0	61081.3	1081.30	1.8
Standard 5		2379.11	80000.0	80780.4	780.367	1.0
Standard 6		2971.52	100000	99394.4	-605.578	-0.6

Curve Type: Quadratic Equation: $y = 0.0\ x^2 + 0.0\ x + 6.8$

Li 610.365 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		64.9766	0.000000	0.000000	-	-
Standard 1		644400	5000.00	5000.00	0.000000	0.0

Curve Type: Linear Equation: y = 128.9 x + 65.0

Mg 279.078 Calibration (ug/L) 12/2/2011, 11:30:31 AM Correlation Coefficient: 0.999772

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		23.9243	0.000000	-0.005861	-	-
Standard 1		160206	20000.0	20547.2	547.156	2.7
Standard 2		296995	40000.0	39093.7	-906.309	-2.3
Standard 3		373671	50000.0	49955.5	-44.5234	-0.1
Standard 4		452978	60000.0	61588.7	1588.66	2.6
Standard 5		573397	80000.0	80135.1	135.148	0.2
Standard 6		696908	100000	100467	466.688	0.5

Curve Type: Quadratic Equation: $y = 0.0\ x^2 + 8.0\ x + 24.0$

Mn 257.610 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		53.5973	0.000000	0.000000	-	-
Standard 1		423550	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 423.5 x + 53.6

Mo 202.032 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		17.0730	0.000000	0.000000	-	-
Standard 1		12173.0	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 12.2 x + 17.1

Na 330.237 Calibration (ug/L) 12/2/2011, 11:30:31 AM Correlation Coefficient: 0.999274

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		10.4150	0.000000	-48.6908	-	-
Standard 1		5624.88	20000.0	20266.7	266.748	1.3
Standard 2		11054.7	40000.0	39914.0	-85.9805	-0.2
Standard 3		13866.9	50000.0	50090.0	89.9609	0.2
Standard 4		16817.5	60000.0	60766.2	766.160	1.3
Standard 5		21787.4	80000.0	78749.3	-1250.67	-1.6
Standard 6		26429.5	100000	95546.6	-4453.42	-4.5

Curve Type: Linear Equation: y = 0.3 x + 23.9

Ni 216.555 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		11.3680	0.000000	0.000000	-	-
Standard 1		13966.2	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 14.0 x + 11.4

Pb 220.353 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		16.7608	0.000000	0.000000	-	-
Standard 1		8361.88	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 8.3 x + 16.8

Sb 217.582 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		10.7925	0.000000	0.000000	-	-
Standard 1		2376.28	1000.00	1000.000	-0.000122	0.0

Curve Type: Linear Equation: y = 2.4 x + 10.8

Se 196.026 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.65436	0.000000	0.000000	-	-
Standard 1		952.757	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 0.9 x + 4.7

Si 251.611 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		51.6676	0.000000	0.000000	-	-
Standard 1		6647.23	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 6.6 x + 51.7

Si 288.158 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		485.233	0.000000	0.000000	-	-
Standard 1		16219.6	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 15.7 x + 485.2

Sn 189.925 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6.61875	0.000000	0.000000	-	-
Standard 1		2837.94	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 2.8 x + 6.6

Sr 421.552 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		54.5586	0.000000	0.000000	-	-
Standard 1		3172491	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 3172.4 x + 54.6

Ti 336.122 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		55.4238	0.000000	0.000000	-	-
Standard 1		334137	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 334.1 x + 55.4

Tl 190.794 Calibration (ug/L) 12/2/2011, 11:15:47 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.62108	0.000000	0.000000	-	-
Standard 1		1648.26	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 1.6 x + 2.6

V 292.401 Calibration (ug/L) **12/2/2011, 11:15:47 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		39.2141	0.000000	0.000000	-	-
Standard 1		56358.7	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 56.3 x + 39.2

Zn 202.548 Calibration (ug/L) **12/2/2011, 11:15:47 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		32.2457	0.000000	0.000000	-	-
Standard 1		51650.4	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 51.6 x + 32.2

Zr 339.198 Calibration (ug/L) **12/2/2011, 11:15:47 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.90063	0.000000	0.000000	-	-
Standard 1		72979.8	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 73.0 x + 1.9

RB (PBLK) **12/2/2011, 11:33:28 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	8.39831	ug/L	5.05574	60.2	93.6987	-
Al 237.312	4.25280	ug/L	0.705091	16.6	36.9128	-
As 188.980	4.72419	ug/L	1.63377	34.6	12.7366	-
B 249.678	0.936091	ug/L	0.129873	13.9	136.727	-
Ba 493.408	0.567440	ug/L	0.079262	14.0	1726.03	-
Be 313.042	0.259299	ug/L	0.057123	22.0	1274.56	-
Ca 373.690	12.3914	ug/L	1.14618	9.2	173.889	-
Cd 214.439	0.283950	ug/L	0.104965	37.0	26.7076	-
Co 228.615	0.627594	ug/L	0.196723	31.3	37.7520	-
Cr 267.716	0.362654	ug/L	0.013334	3.7	97.1650	-
Cu 327.395	0.269736	ug/L	0.028973	10.7	217.056	-
Fe 273.955	8.57842	ug/L	0.221470	2.6	269.616	-
K 404.721	701.904	ug/L	267.081	38.1	26.0649	-
Li 610.365	-0.481336uv	ug/L	0.008274	1.7	2.94922	-
Mg 279.078	7.69827	ug/L	1.67383	21.7	85.7017	-
Mn 257.610	0.366024	ug/L	0.059931	16.4	208.767	-
Mo 202.032	0.397683	ug/L	0.102837	25.9	21.9073	-
Na 330.237	-39.4296uv	ug/L	10.4993	26.6	12.8965	-
Ni 216.555	0.371465	ug/L	0.251018	67.6	17.0369	-
Pb 220.353	-0.133763uv	ug/L	0.452130	338.0	15.6438	-
Sb 217.582	-2.37245uv	ug/L	0.051269	2.2	5.18158	-
Se 196.026	9.98897	ug/L	2.72913	27.3	14.1252	-
Si 251.611	3.43412	ug/L	0.864730	25.2	74.3862	-
Si 288.158	2.49986	ug/L	0.246162	9.8	524.557	-
Sn 189.925	2.52622	ug/L	0.000373	0.0	13.7714	-
Sr 421.552	0.342720	ug/L	0.076714	22.4	1143.18	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	0.242615	ug/L	0.046378	19.1	136.478	-
Tl 190.794	1.60026	ug/L	0.170285	10.6	5.26627	-
V 292.401	0.654716	ug/L	0.001631	0.2	76.1304	-
Zn 202.548	1.80522	ug/L	0.056413	3.1	126.155	-
Zr 339.198	0.143591	ug/L	0.072159	50.3	12.3794	-

IPC (ICV) **12/2/2011, 11:36:24 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	1005.00	ug/L	1.87877	0.2	11699.1	100.50014
Al 237.312	5191.56	ug/L	16.7057	0.3	24697.5	103.83120
As 188.980	1011.39	ug/L	2.40444	0.2	1856.33	101.13892
B 249.678	1003.74	ug/L	7.83191	0.8	34489.5	100.37448
Ba 493.408	1003.41	ug/L	2.59934	0.3	2650514	100.34146
Be 313.042	989.406	ug/L	10.9103	1.1	4322718	98.94060
Ca 373.690	20529.8	ug/L	68.6543	0.3	178958	102.64893
Cd 214.439	1006.70	ug/L	1.04547	0.1	69748.5	100.66959
Co 228.615	1006.56	ug/L	2.67392	0.3	14444.4	100.65571
Cr 267.716	1006.32	ug/L	3.98451	0.4	70688.0	100.63183
Cu 327.395	1001.79	ug/L	2.52494	0.3	75508.0	100.17899
Fe 273.955	5154.33	ug/L	23.1912	0.4	122258	103.08665
K 404.721	20019.1	ug/L	258.312	1.3	566.945	100.09573
Li 610.365	5037.09	ug/L	14.7467	0.3	649182	100.74183
Mg 279.078	20668.8	ug/L	50.7101	0.2	161135	103.34396
Mn 257.610	1006.17	ug/L	3.37831	0.3	426552	100.61729
Mo 202.032	1005.90	ug/L	20.2592	2.0	12244.8	100.59032
Na 330.237	20484.2	ug/L	3.31318	0.0	5646.91	102.42121
Ni 216.555	1008.98	ug/L	8.80698	0.9	14180.4	100.89806
Pb 220.353	1004.64	ug/L	2.64146	0.3	8400.25	100.46443
Sb 217.582	1009.02	ug/L	1.45983	0.1	2401.05	100.90184
Se 196.026	1009.96	ug/L	6.72489	0.7	963.160	100.99641
Si 251.611	1011.09	ug/L	11.5916	1.1	7160.52	101.10931
Si 288.158	1007.33	ug/L	9.18272	0.9	16752.8	100.73313
Sn 189.925	1008.64	ug/L	5.26640	0.5	2862.75	100.86395
Sr 421.552	1005.20	ug/L	2.05214	0.2	3190829	100.52048
Ti 336.122	1004.83	ug/L	0.187178	0.0	335750	100.48272
Tl 190.794	1009.09	ug/L	1.51892	0.2	1672.22	100.90881
V 292.401	1007.15	ug/L	2.90931	0.3	56841.9	100.71537
Zn 202.548	1005.39	ug/L	1.84856	0.2	52384.2	100.53944
Zr 339.198	1010.68	ug/L	7.35928	0.7	73758.5	101.06783

ICV (ICV) **12/2/2011, 11:39:22 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	1001.43	ug/L	1.88248	0.2	11657.7	100.14262
Al 237.312	1005.36	ug/L	6.86158	0.7	4896.66	100.53641
As 188.980	1005.51	ug/L	0.196845	0.0	1845.56	100.55106
B 249.678	973.367	ug/L	9.99561	1.0	33431.4	97.33672
Ba 493.408	1007.74	ug/L	2.05766	0.2	2661938	100.77396
Be 313.042	991.572	ug/L	4.90171	0.5	4332117	99.15720
Ca 373.690	9683.82	ug/L	24.0354	0.2	85624.2	96.83824

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	1002.31	ug/L	2.58920	0.3	69436.3	100.23107
Co 228.615	1001.61	ug/L	2.46490	0.2	14371.2	100.16112
Cr 267.716	1003.42	ug/L	3.86699	0.4	70484.4	100.34169
Cu 327.395	999.823	ug/L	0.578236	0.1	75360.1	99.98230
Fe 273.955	1018.93	ug/L	4.52779	0.4	24846.2	101.89338
K 404.721	9434.50	ug/L	306.038	3.2	269.166	94.34504
Li 610.365	10338.8	ug/L	16.8470	0.2	1332402	103.38840
Mg 279.078	9673.83	ug/L	38.9516	0.4	76572.3	96.73832
Mn 257.610	1014.96	ug/L	2.65463	0.3	430069	101.49571
Mo 202.032	1026.25	ug/L	18.2973	1.8	12492.1	102.62478
Na 330.237	8855.77	ug/L	4.00993	0.0	2432.87	88.55768Q
Ni 216.555	1016.78	ug/L	7.31254	0.7	14279.5	101.67777
Pb 220.353	1008.66	ug/L	2.67034	0.3	8434.05	100.86579
Sb 217.582	970.362	ug/L	20.6685	2.1	2309.59	97.03616
Se 196.026	1011.78	ug/L	3.50878	0.3	964.941	101.17816
Si 251.611	579.828	ug/L	38.2369	6.6	4313.10	115.96570Q
Si 288.158	577.340	ug/L	35.1166	6.1	9971.24	115.46806Q
Sn 189.925	965.347	ug/L	0.480655	0.0	2739.99	96.53474
Sr 421.552	966.566	ug/L	0.763213	0.1	3067296	96.65663
Ti 336.122	1016.88	ug/L	2.53089	0.2	339777	101.68813
Tl 190.794	1011.88	ug/L	1.45142	0.1	1676.73	101.18806
V 292.401	1000.66	ug/L	2.62472	0.3	56457.1	100.06586
Zn 202.548	1014.04	ug/L	0.385965	0.0	52823.0	101.40404
Zr 339.198	1039.90	ug/L	18.4865	1.8	75891.3	103.98991

ICB (ICB) **12/2/2011, 11:42:19 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	-0.269720uv	ug/L	0.296052	109.8	-4.77710	-0.26972
Al 237.312	0.272592uv	ug/L	0.758273	278.2	17.5270	0.27259
As 188.980	2.73023	ug/L	1.05582	38.7	9.08592	2.73023
B 249.678	24.3989	ug/L	3.88436	15.9	937.024	24.39893
Ba 493.408	0.094907	ug/L	0.017675	18.6	477.941	0.09491
Be 313.042	0.042855	ug/L	0.009941	23.2	328.785	0.04286
Ca 373.690	1.13990	ug/L	0.336302	29.5	71.8232	1.13990
Cd 214.439	0.045188	ug/L	0.008426	18.6	10.1534	0.04519
Co 228.615	0.277955uv	ug/L	0.421084	151.5	32.7659	0.27795
Cr 267.716	-0.125885uv	ug/L	0.047155	37.5	62.8828	-0.12589
Cu 327.395	0.063796	ug/L	0.089446	140.2	201.570	0.06380
Fe 273.955	0.753082	ug/L	0.124442	16.5	78.3513	0.75308
K 404.721	532.671	ug/L	92.2049	17.3	21.4258	532.67139
Li 610.365	-0.033133uv	ug/L	0.104384	315.0	60.7070	-0.03313
Mg 279.078	0.773117	ug/L	0.946938	122.5	30.1721	0.77312
Mn 257.610	0.047601	ug/L	0.004392	9.2	73.7886	0.04760
Mo 202.032	16.9582	ug/L	0.777382	4.6	223.216	16.95824
Na 330.237	-57.6162uv	ug/L	10.8566	18.8	7.93799	-57.61616
Ni 216.555	-0.169973uv	ug/L	0.191266	112.5	9.31592	-0.16997
Pb 220.353	-0.247470uv	ug/L	0.430791	174.1	14.6955	-0.24747
Sb 217.582	8.81478	ug/L	0.570814	6.5	31.6440	8.81478Z
Se 196.026	2.62252	ug/L	0.830140	31.7	7.14079	2.62252
Si 251.611	1.48540	ug/L	0.169360	11.4	63.4903	1.48540
Si 288.158	-0.947753uv	ug/L	1.54768	163.3	474.958	-0.94775
Sn 189.925	0.998946	ug/L	0.429706	43.0	9.44711	0.99895

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.052097	ug/L	0.014318	27.5	220.146	0.05210
Ti 336.122	0.684588	ug/L	0.045153	6.6	284.132	0.68459
Tl 190.794	0.614854uv	ug/L	2.63963	429.3	3.64113	0.61485
V 292.401	0.183462	ug/L	0.011274	6.1	49.5852	0.18346
Zn 202.548	-0.001881	ug/L	0.004406	234.2	32.7642	-0.00188
Zr 339.198	0.073506	ug/L	0.012561	17.1	7.26489	0.07351

CRI-RL (CRI) **12/2/2011, 11:45:16 AM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	3.91927	ug/L	0.743219	19.0	44.2639	78.38540
Al 237.312	108.318	ug/L	0.320877	0.3	543.523	108.31804
As 188.980	9.28567	ug/L	1.41387	15.2	21.0905	92.85668
B 249.678	20.0921	ug/L	0.088084	0.4	796.315	200.92055R
Ba 493.408	11.2558	ug/L	0.043807	0.4	29956.9	112.55798
Be 313.042	1.07782	ug/L	0.001467	0.1	4857.64	107.78162
Ca 373.690	423.394	ug/L	2.02063	0.5	3866.27	105.84853
Cd 214.439	1.05441	ug/L	0.058597	5.6	80.2863	105.44073
Co 228.615	10.9472	ug/L	0.019600	0.2	185.587	109.47250
Cr 267.716	4.95153	ug/L	0.077604	1.6	419.180	99.03055
Cu 327.395	11.2632	ug/L	0.060546	0.5	1043.48	112.63153
Fe 273.955	107.645	ug/L	0.054115	0.1	2689.41	107.64525
K 404.721	4092.54	ug/L	705.427	17.2	119.298	102.31354
Li 610.365	97.3616	ug/L	0.746721	0.8	12611.7	97.36158
Mg 279.078	435.208	ug/L	0.844609	0.2	3511.08	108.80188
Mn 257.610	10.7072	ug/L	0.030668	0.3	4596.48	107.07233
Mo 202.032	14.4492	ug/L	0.938964	6.5	192.718	144.49248R
Na 330.237	2245.01	ug/L	4.00527	0.2	642.303	112.25037
Ni 216.555	10.3935	ug/L	0.339154	3.3	157.466	103.93549
Pb 220.353	5.40914	ug/L	0.182633	3.4	61.8924	108.18285
Sb 217.582	12.1882	ug/L	0.521918	4.3	39.6271	121.88168
Se 196.026	10.8613	ug/L	0.378483	3.5	14.9617	108.61340
Si 251.611	109.490	ug/L	2.60895	2.4	779.113	109.49008
Si 288.158	103.648	ug/L	1.78151	1.7	2122.08	103.64817
Sn 189.925	51.5530	ug/L	0.888340	1.7	152.589	103.10591
Sr 421.552	22.2077	ug/L	0.121801	0.5	70546.2	111.03864
Ti 336.122	10.6595	ug/L	0.061930	0.6	3616.56	106.59469
Tl 190.794	10.4462	ug/L	0.413203	4.0	19.9117	104.46183
V 292.401	10.2882	ug/L	0.059931	0.6	619.871	102.88169
Zn 202.548	53.0836	ug/L	0.374960	0.7	2778.13	106.16714
Zr 339.198	9.79589	ug/L	0.081257	0.8	716.772	97.95892

CRI-MCP (CRI) **12/2/2011, 11:48:13 AM** **Rack 1, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	3.54730	ug/L	0.170990	4.8	71.1538	50.67566R
Al 237.312	1.28851uv	ug/L	1.99579	154.9	22.5045	-
As 188.980	50.8707	ug/L	1.18948	2.3	97.2904	101.74148
B 249.678	5.90994	ug/L	0.335189	5.7	308.510	-
Ba 493.408	2299.65	ug/L	15.4676	0.7	6074230	114.98263
Be 313.042	4.31987	ug/L	0.036503	0.8	19041.3	107.99677

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	8.60270	ug/L	0.278071	3.2	138.596	-
Cd 214.439	5.31120	ug/L	0.009520	0.2	374.811	106.22401
Co 228.615	0.691238	ug/L	0.014426	2.1	38.9140	-
Cr 267.716	108.692	ug/L	0.808437	0.7	7698.95	108.69196
Cu 327.395	0.142292	ug/L	0.058001	40.8	207.481	-
Fe 273.955	0.661905	ug/L	0.050305	7.6	79.5535	-
K 404.721	211.574	ug/L	379.549	179.4	16.7280	-
Li 610.365	-0.127921uv	ug/L	0.003772	2.9	48.4922	-
Mg 279.078	1.40575	ug/L	0.520910	37.1	35.2439	-
Mn 257.610	0.043824	ug/L	0.005508	12.6	72.2001	-
Mo 202.032	2.25283	ug/L	0.452446	20.1	44.4582	-
Na 330.237	32.5286uv	ug/L	21.7381	66.8	-3.57813	-
Ni 216.555	114.619	ug/L	1.10207	1.0	1614.82	114.61859
Pb 220.353	16.9814	ug/L	0.324327	1.9	158.473	113.20937
Sb 217.582	6.58415	ug/L	0.502578	7.6	26.3854	109.73579
Se 196.026	51.9765	ug/L	1.61977	3.1	53.9334	103.95296
Si 251.611	1.76067	ug/L	0.568032	32.3	64.7759	-
Si 288.158	-0.084138uv	ug/L	1.62588	1932.4	487.598	-
Sn 189.925	-0.912768uv	ug/L	0.339752	37.2	4.03445	-
Sr 421.552	0.015294	ug/L	0.005127	33.5	104.109	-
Ti 336.122	0.116986	ug/L	0.068576	58.6	94.5073	-
Tl 190.794	2.14135	ug/L	0.393731	18.4	6.35605	107.06734
V 292.401	52.2149	ug/L	0.444283	0.9	2979.96	104.42988
Zn 202.548	969.804	ug/L	16.5823	1.7	50092.4	107.75595
Zr 339.198	-0.003994uv	ug/L	0.054242	1358.2	1.60913	-

ICSA (ICSA) **12/2/2011, 11:51:09 AM** **Rack 4, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.087420uv	ug/L	0.382064	437.0	-0.862549	-0.08742
Al 237.312	116113	ug/L	262.729	0.2	4484996	112.53906K
As 188.980	-0.256281uv	ug/L	0.183198	71.5	3.61874	-0.25628
B 249.678	4.20432	ug/L	0.785515	18.7	248.535	4.20432
Ba 493.408	1.13793	ug/L	0.057975	5.1	3232.86	1.13793
Be 313.042	0.016806	ug/L	0.002180	13.0	739.134	0.01681
Ca 373.690	103426	ug/L	342.892	0.3	7938683	425.73438K
Cd 214.439	-0.881998	ug/L	0.043958	5.0	123.669	-0.88200
Co 228.615	-0.866594	ug/L	0.091816	10.6	82.1963	-0.86659
Cr 267.716	0.270825	ug/L	0.057975	21.4	90.7209	0.27082
Cu 327.395	0.612063	ug/L	0.369822	60.4	242.873	0.61206
Fe 273.955	116439	ug/L	340.704	0.3	21008246	438.86719K
K 404.721	1236.07	ug/L	20.9602	1.7	48.0239	1236.07141
Li 610.365	1.55096	ug/L	0.094996	6.1	271.258	1.55096
Mg 279.078	108266	ug/L	413.022	0.4	7427618	265.71094K
Mn 257.610	-2.65484	ug/L	0.006686	0.3	717.316	-2.65484
Mo 202.032	0.916507	ug/L	0.134379	14.7	28.4278	0.91651
Na 330.237	46.0765	ug/L	1.48169	3.2	36.4595	46.07652
Ni 216.555	-5.31120	ug/L	0.360457	6.8	137.495	-5.31120
Pb 220.353	-0.012590uv	ug/L	0.195842	1555.5	10.0468	-0.01259
Sb 217.582	-2.21472uv	ug/L	2.11931	95.7	5.55914	-2.21472
Se 196.026	-2.62855uv	ug/L	1.88948	71.9	1.11346	-2.62855
Si 251.611	0.403654uv	ug/L	1.32235	327.6	54.4227	0.40365
Si 288.158	2.99622	ug/L	1.14642	38.3	532.462	2.99622

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 189.925	0.213793	ug/L	0.705935	330.2	8.82915	0.21379
Sr 421.552	-2.03714	ug/L	0.006228	0.3	1803.80	-2.03714
Ti 336.122	0.195771	ug/L	0.056746	29.0	120.828	0.19577
Tl 190.794	0.125788	ug/L	0.201402	160.1	3.21077	0.12579
V 292.401	-2.58123	ug/L	0.120256	4.7	103.082	-2.58123
Zn 202.548	0.760182	ug/L	0.597170	78.6	214.623	0.76018
Zr 339.198	0.841759	ug/L	0.037158	4.4	60.8350	0.84176

ICSAB (ICSAB) **12/2/2011, 11:54:06 AM** **Rack 4, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	549.378	ug/L	3.92586	0.7	6389.77	91.56302
Al 237.312	118860	ug/L	916.626	0.8	458782	118.86038
As 188.980	1796.27	ug/L	26.5111	1.5	3292.90	89.81349
B 249.678	2.29956	ug/L	1.29621	56.4	230.177	-
Ba 493.408	530.282	ug/L	3.14672	0.6	1400845	88.38040
Be 313.042	182.912	ug/L	1.26071	0.7	799966	91.45605
Ca 373.690	106206	ug/L	994.209	0.9	811603	106.20608
Cd 214.439	519.102	ug/L	2.50677	0.5	36145.8	86.51706
Co 228.615	521.154	ug/L	2.39926	0.5	7540.55	86.85892
Cr 267.716	528.746	ug/L	4.11084	0.8	37175.4	88.12440
Cu 327.395	555.282	ug/L	4.27199	0.8	41940.1	92.54705
Fe 273.955	119436	ug/L	965.455	0.8	2152604	119.43609
K 404.721	38849.7	ug/L	343.878	0.9	1116.46	97.12430
Li 610.365	1.43195	ug/L	0.186090	13.0	256.051	-
Mg 279.078	110047	ug/L	842.711	0.8	753215	110.04744
Mn 257.610	345.906	ug/L	2.13811	0.6	148357	86.47649
Mo 202.032	0.496366	ug/L	0.096759	19.5	23.3253	-
Na 330.237	-273.242uv	ug/L	24.3242	8.9	-71.3696	-
Ni 216.555	514.065	ug/L	1.99016	0.4	7527.14	85.67743
Pb 220.353	1716.69	ug/L	6.02767	0.4	14336.0	85.83446
Sb 217.582	978.199	ug/L	1.16316	0.1	2326.49	97.81993
Se 196.026	892.366	ug/L	10.2031	1.1	849.986	89.23656
Si 251.611	-25.4280uv	ug/L	0.093075	0.4	43.9006	-
Si 288.158	-23.2125	ug/L	1.27645	5.5	524.744	-
Sn 189.925	3.67722	ug/L	0.923935	25.1	18.6578	-
Sr 421.552	-2.16008	ug/L	0.006040	0.3	1598.32	-
Ti 336.122	0.055650	ug/L	0.030111	54.1	74.2090	-
Tl 190.794	1683.86	ug/L	31.2757	1.9	2778.68	84.19305
V 292.401	530.406	ug/L	4.62079	0.9	30125.5	88.40104
Zn 202.548	518.185	ug/L	2.51160	0.5	27173.8	86.36414
Zr 339.198	3.25136	ug/L	0.204522	6.3	236.648	-

RB (PBLK) **12/2/2011, 11:57:29 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	0.315549uv	ug/L	0.719113	227.9	1.85767	-
Al 237.312	5.93140	ug/L	0.607792	10.2	45.0861	-
As 188.980	1.60895	ug/L	1.12291	69.8	7.03317	-
B 249.678	1.99430	ug/L	0.400075	20.1	172.810	-
Ba 493.408	33.5311	ug/L	0.007744	0.0	88791.8	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	0.158481	ug/L	0.003268	2.1	833.943	-
Ca 373.690	11.5050	ug/L	1.15799	10.1	166.558	-
Cd 214.439	0.114229	ug/L	0.053098	46.5	14.9569	-
Co 228.615	0.458180	ug/L	0.152840	33.4	35.3339	-
Cr 267.716	-0.141466uv	ug/L	0.011791	8.3	61.7894	-
Cu 327.395	0.171310	ug/L	0.051569	30.1	209.655	-
Fe 273.955	11.9025	ug/L	1.08658	9.1	350.835	-
K 404.721	954.637	ug/L	321.589	33.7	33.0518	-
Li 610.365	-0.176968uv	ug/L	0.049984	28.2	42.1719	-
Mg 279.078	6.35106	ug/L	1.95054	30.7	74.9070	-
Mn 257.610	0.250961	ug/L	0.023808	9.5	160.014	-
Mo 202.032	0.402066	ug/L	0.323871	80.6	21.9605	-
Na 330.237	-42.9823uv	ug/L	14.7045	34.2	11.9185	-
Ni 216.555	-0.001667uv	ug/L	0.066586	3995.3	11.5972	-
Pb 220.353	-0.178478uv	ug/L	0.747744	419.0	15.2704	-
Sb 217.582	0.804266	ug/L	0.489004	60.8	12.6955	-
Se 196.026	1.08801uv	ug/L	3.50462	322.1	5.68599	-
Si 251.611	3.43323	ug/L	0.105770	3.1	74.9286	-
Si 288.158	2.27888	ug/L	0.355573	15.6	522.469	-
Sn 189.925	3.27760	ug/L	0.641753	19.6	15.8988	-
Sr 421.552	0.179091	ug/L	0.001557	0.9	624.014	-
Ti 336.122	0.241041	ug/L	0.011734	4.9	135.952	-
Tl 190.794	3.30167	ug/L	1.39774	42.3	8.06396	-
V 292.401	0.263663	ug/L	0.008411	3.2	54.1079	-
Zn 202.548	1.71258	ug/L	0.003673	0.2	121.332	-
Zr 339.198	0.064616	ug/L	0.038412	59.4	6.61597	-

CCV (CCV) **12/2/2011, 12:00:26 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	999.870	ug/L	1.07879	0.1	11640.7	99.98695
Al 237.312	5194.55	ug/L	3.82556	0.1	24711.3	103.89093
As 188.980	1010.09	ug/L	1.19834	0.1	1853.94	101.00859
B 249.678	1002.48	ug/L	6.70470	0.7	34446.1	100.24822
Ba 493.408	1001.34	ug/L	1.20533	0.1	2645041	100.13422
Be 313.042	999.750	ug/L	7.70938	0.8	4367902	99.97501
Ca 373.690	20523.3	ug/L	10.3898	0.1	178904	102.61633
Cd 214.439	1007.42	ug/L	0.979997	0.1	69798.5	100.74168
Co 228.615	1006.11	ug/L	1.64196	0.2	14438.0	100.61076
Cr 267.716	1005.77	ug/L	0.035735	0.0	70649.7	100.57726
Cu 327.395	1003.80	ug/L	1.10395	0.1	75659.3	100.38038
Fe 273.955	5156.58	ug/L	13.4696	0.3	122310	103.13168
K 404.721	19652.3	ug/L	284.910	1.4	556.540	98.26138
Li 610.365	5028.56	ug/L	1.20326	0.0	648083	100.57124
Mg 279.078	20686.1	ug/L	14.3092	0.1	161266	103.43032
Mn 257.610	1003.12	ug/L	1.18901	0.1	425260	100.31207
Mo 202.032	1003.46	ug/L	18.0521	1.8	12215.1	100.34612
Na 330.237	20498.5	ug/L	87.4161	0.4	5650.69	102.49226
Ni 216.555	1006.76	ug/L	3.57813	0.4	14149.4	100.67623
Pb 220.353	1005.73	ug/L	0.088432	0.0	8409.30	100.57285
Sb 217.582	1010.99	ug/L	1.75983	0.2	2405.72	101.09922
Se 196.026	1004.61	ug/L	4.11653	0.4	958.090	100.46149
Si 251.611	1007.59	ug/L	5.71900	0.6	7137.50	100.75869

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	1002.88	ug/L	6.99917	0.7	16683.4	100.28764
Sn 189.925	1012.91	ug/L	1.74515	0.2	2874.85	101.29121
Sr 421.552	1001.39	ug/L	1.32949	0.1	3178730	100.13911
Ti 336.122	1004.01	ug/L	0.886559	0.1	335476	100.40067
Tl 190.794	1008.84	ug/L	1.10723	0.1	1671.80	100.88417
V 292.401	1005.14	ug/L	0.087957	0.0	56728.2	100.51353
Zn 202.548	1009.34	ug/L	0.858161	0.1	52588.5	100.93362
Zr 339.198	987.237	ug/L	18.5083	1.9	72047.8	98.72366

CCB (CCB) **12/2/2011, 12:03:24 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.112882uv	ug/L	0.857111	759.3	-3.04810	-0.11288
Al 237.312	2.92985	ug/L	0.169163	5.8	30.4685	2.92985
As 188.980	1.60807	ug/L	0.023645	1.5	7.03146	1.60807
B 249.678	15.2912	ug/L	2.75066	18.0	626.236	15.29124
Ba 493.408	0.086727	ug/L	0.020304	23.4	456.336	0.08673
Be 313.042	0.034193	ug/L	0.014427	42.2	290.835	0.03419
Ca 373.690	2.39569	ug/L	0.745279	31.1	83.3777	2.39569
Cd 214.439	-0.006310uv	ug/L	0.007387	117.1	6.58975	-0.00631
Co 228.615	0.411044	ug/L	0.039496	9.6	34.6667	0.41104
Cr 267.716	-0.295317uv	ug/L	0.111264	37.7	50.9933	-0.29532
Cu 327.395	0.120099	ug/L	0.158869	132.3	205.805	0.12010
Fe 273.955	2.52962	ug/L	0.133047	5.3	121.766	2.52962
K 404.721	1066.06	ug/L	476.546	44.7	36.0479	1066.05627
Li 610.365	-0.228408uv	ug/L	0.005101	2.2	35.5430	-0.22841
Mg 279.078	1.21108	ug/L	1.46268	120.8	33.6860	1.21108
Mn 257.610	0.044724	ug/L	0.018542	41.5	72.5735	0.04472
Mo 202.032	15.0218	ug/L	0.207805	1.4	199.677	15.02181
Na 330.237	-18.0617uv	ug/L	38.0742	210.8	18.8691	-18.06170
Ni 216.555	-0.043057uv	ug/L	0.047486	110.3	10.9809	-0.04306
Pb 220.353	-0.071080uv	ug/L	0.426520	600.1	16.1674	-0.07108
Sb 217.582	-0.242695uv	ug/L	0.012699	5.2	10.2185	-0.24269
Se 196.026	3.75177uv	ug/L	5.41071	144.2	8.21141	3.75177
Si 251.611	0.148312uv	ug/L	0.792895	534.6	53.1693	0.14831
Si 288.158	-0.268247uv	ug/L	1.01537	378.5	481.883	-0.26825
Sn 189.925	0.796894	ug/L	0.392870	49.3	8.87505	0.79689
Sr 421.552	7.71495	ug/L	0.010328	0.1	24530.2	7.71495
Ti 336.122	0.632547	ug/L	0.078522	12.4	266.747	0.63255
Tl 190.794	0.892029	ug/L	0.006727	0.8	4.09734	0.89203
V 292.401	-0.021475uv	ug/L	0.048149	224.2	38.0444	-0.02148
Zn 202.548	-0.007972uv	ug/L	0.044981	564.3	32.4794	-0.00797
Zr 339.198	0.579696	ug/L	0.243416	42.0	44.2056	0.57970

ICV K Na Ca Mg 75ppm (Samp) **12/2/2011, 12:06:20 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.207166uv	ug/L	0.016070	7.8	-4.02393
Al 237.312	7483.51	ug/L	1.83268	0.0	35196.5
As 188.980	-0.255752uv	ug/L	0.171659	67.1	3.61955
B 249.678	6.34781	ug/L	0.759535	12.0	321.606

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	0.342856	ug/L	0.004164	1.2	1132.84
Be 313.042	0.169262	ug/L	0.002207	1.3	1267.97
Ca 373.690	78629.9	ug/L	47.2436	0.1	621150
Cd 214.439	0.456463	ug/L	0.004003	0.9	40.9403
Co 228.615	1.21259	ug/L	0.084104	6.9	46.2157
Cr 267.716	0.029086uv	ug/L	0.158131	543.7	73.7576
Cu 327.395	0.524549	ug/L	0.076297	14.5	236.222
Fe 273.955	4.65751	ug/L	0.035106	0.8	173.781
K 404.721	78762.7	ug/L	149.967	0.2	2315.93
Li 610.365	1.23169	ug/L	0.054957	4.5	228.617
Mg 279.078	79487.0	ug/L	40.7139	0.1	569313
Mn 257.610	-0.573834	ug/L	0.010532	1.8	1181.05
Mo 202.032	3.81484	ug/L	0.707411	18.5	63.6129
Na 330.237	80775.0	ug/L	41.2608	0.1	22347.2
Ni 216.555	0.398663	ug/L	0.303081	76.0	17.0192
Pb 220.353	0.422436	ug/L	0.046773	11.1	20.2856
Sb 217.582	0.358710	ug/L	0.324908	90.6	11.6428
Se 196.026	-1.94730uv	ug/L	0.918268	47.2	2.81075
Si 251.611	3.56873	ug/L	2.52076	70.6	76.0856
Si 288.158	-1.16645uv	ug/L	0.074696	6.4	468.113
Sn 189.925	-0.214678uv	ug/L	0.475244	221.4	7.24117
Sr 421.552	-1.37412	ug/L	0.005585	0.4	1997.44
Ti 336.122	1.41229	ug/L	0.050785	3.6	527.244
Tl 190.794	2.12691	ug/L	0.996377	46.8	6.41333
V 292.401	-0.330359	ug/L	0.101619	30.8	127.981
Zn 202.548	0.385542	ug/L	0.051673	13.4	52.9987
Zr 339.198	0.546734	ug/L	0.075722	13.8	39.8875

ICV Sb 1 ppm (Samp) **12/2/2011, 12:09:16 PM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.098977	ug/L	0.149532	151.1	-0.646729
Al 237.312	1.08218	ug/L	0.733217	67.8	21.4692
As 188.980	0.667867	ug/L	0.103351	15.5	5.31021
B 249.678	3.06603	ug/L	0.041021	1.3	209.415
Ba 493.408	0.123774	ug/L	0.006745	5.4	554.371
Be 313.042	0.001385uv	ug/L	0.005396	389.7	147.691
Ca 373.690	6.09608	ug/L	0.719467	11.8	116.056
Cd 214.439	-0.007462uv	ug/L	0.051352	688.2	6.54010
Co 228.615	0.218484	ug/L	0.229607	105.1	31.9045
Cr 267.716	-0.305612uv	ug/L	0.038582	12.6	50.2709
Cu 327.395	0.049164uv	ug/L	0.133498	271.5	200.469
Fe 273.955	0.160857	ug/L	0.139457	86.7	63.8618
K 404.721	787.223	ug/L	602.911	76.6	28.4053
Li 610.365	-0.066496uv	ug/L	0.004244	6.4	56.3477
Mg 279.078	4.37176	ug/L	0.384688	8.8	59.0205
Mn 257.610	-0.006852uv	ug/L	0.012254	178.8	51.3359
Mo 202.032	1.84795	ug/L	0.373428	20.2	39.5366
Na 330.237	-61.7961uv	ug/L	1.57414	2.5	6.77051
Ni 216.555	0.407167	ug/L	0.162015	39.8	17.1880
Pb 220.353	-0.714796uv	ug/L	0.252296	35.3	10.7957
Sb 217.582	1048.40	ug/L	15.8515	1.5	2490.76
Se 196.026	0.247748uv	ug/L	0.537737	217.1	4.88922

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	-21.1840	ug/L	1.02744	4.9	83.2653
Si 288.158	-24.5117	ug/L	1.33103	5.4	532.918
Sn 189.925	-1.04254uv	ug/L	0.273402	26.2	3.66708
Sr 421.552	0.003554	ug/L	0.000145	4.1	66.2568
Ti 336.122	0.298417	ug/L	0.015608	5.2	155.120
Tl 190.794	1.20481	ug/L	0.830708	68.9	4.61176
V 292.401	0.292810	ug/L	0.027501	9.4	55.7334
Zn 202.548	0.327331	ug/L	0.027042	8.3	49.7502
Zr 339.198	25.6419	ug/L	1.20609	4.7	1873.19

ICB Sb (Samp) **12/2/2011, 12:22:25 PM** **Rack 1, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.020537uv	ug/L	0.276938	1348.5	-1.52271
Al 237.312	-1.53842uv	ug/L	0.460365	29.9	8.70862
As 188.980	0.931257	ug/L	0.116211	12.5	5.79243
B 249.678	0.508631	ug/L	0.300393	59.1	121.984
Ba 493.408	0.042361	ug/L	0.003729	8.8	339.152
Be 313.042	0.040565	ug/L	0.000514	1.3	318.672
Ca 373.690	0.885936	ug/L	0.833422	94.1	69.4514
Cd 214.439	0.067265	ug/L	0.033202	49.4	11.6813
Co 228.615	0.510325	ug/L	0.059624	11.7	36.0669
Cr 267.716	-0.259508uv	ug/L	0.009796	3.8	53.5061
Cu 327.395	0.065968uv	ug/L	0.257817	390.8	201.740
Fe 273.955	0.203797	ug/L	0.136166	66.8	64.9221
K 404.721	280.776	ug/L	9.83495	3.5	14.5264
Li 610.365	-0.057323uv	ug/L	0.240704	419.9	57.5898
Mg 279.078	0.967615	ug/L	0.272449	28.2	31.7305
Mn 257.610	0.053346	ug/L	0.010325	19.4	76.2203
Mo 202.032	0.309355	ug/L	0.135906	43.9	20.8335
Na 330.237	-41.7496uv	ug/L	7.51590	18.0	12.3242
Ni 216.555	0.125558uv	ug/L	0.248704	198.1	13.3154
Pb 220.353	-0.382994uv	ug/L	0.001862	0.5	13.5646
Sb 217.582	-0.528067uv	ug/L	0.179677	34.0	9.54370
Se 196.026	1.45468uv	ug/L	2.19588	151.0	6.03357
Si 251.611	0.511509	ug/L	0.769560	150.4	55.4077
Si 288.158	-0.124813uv	ug/L	0.211184	169.2	484.078
Sn 189.925	0.119667uv	ug/L	0.882657	737.6	6.95760
Sr 421.552	0.036461	ug/L	0.005682	15.6	170.518
Ti 336.122	0.150765	ug/L	0.020909	13.9	105.792
Tl 190.794	0.991213	ug/L	1.09347	110.3	4.26108
V 292.401	0.007664	ug/L	0.002789	36.4	39.6594
Zn 202.548	-0.044687uv	ug/L	0.004084	9.1	30.5588
Zr 339.198	-0.090155uv	ug/L	0.004050	4.5	-4.67871

CRI-RL B Mo (Samp) **12/2/2011, 12:25:21 PM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.86498	ug/L	0.796390	27.8	32.3105
Al 237.312	110.369	ug/L	0.595569	0.5	553.502
As 188.980	9.36558	ug/L	0.459080	4.9	21.2368

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	10.2302	ug/L	0.582194	5.7	459.994
Ba 493.408	11.4375	ug/L	0.046032	0.4	30436.9
Be 313.042	1.09760	ug/L	0.004131	0.4	4944.20
Ca 373.690	429.951	ug/L	2.40189	0.6	3925.15
Cd 214.439	1.06678	ug/L	0.025249	2.4	81.1465
Co 228.615	11.1299	ug/L	0.214860	1.9	188.196
Cr 267.716	4.97064	ug/L	0.050346	1.0	420.521
Cu 327.395	11.6957	ug/L	0.178727	1.5	1075.99
Fe 273.955	109.319	ug/L	0.285806	0.3	2730.26
K 404.721	4208.12	ug/L	263.247	6.3	122.480
Li 610.365	99.2285	ug/L	0.379810	0.4	12852.3
Mg 279.078	441.772	ug/L	1.76457	0.4	3563.64
Mn 257.610	10.8424	ug/L	0.056481	0.5	4653.84
Mo 202.032	10.3125	ug/L	0.451171	4.4	142.432
Na 330.237	2238.44	ug/L	31.7851	1.4	640.481
Ni 216.555	10.7778	ug/L	0.177429	1.6	162.834
Pb 220.353	5.55482	ug/L	0.507995	9.1	63.1080
Sb 217.582	8.88263	ug/L	0.480355	5.4	31.8080
Se 196.026	11.4469	ug/L	2.28036	19.9	15.5170
Si 251.611	111.102	ug/L	1.22949	1.1	789.181
Si 288.158	105.808	ug/L	1.50679	1.4	2154.70
Sn 189.925	52.4662	ug/L	0.869042	1.7	155.175
Sr 421.552	22.5699	ug/L	0.107965	0.5	71695.7
Ti 336.122	10.5783	ug/L	0.047453	0.4	3589.44
Tl 190.794	9.78353	ug/L	0.042748	0.4	18.8227
V 292.401	10.4500	ug/L	0.252626	2.4	628.994
Zn 202.548	53.4477	ug/L	0.498236	0.9	2797.11
Zr 339.198	11.0794	ug/L	0.416220	3.8	810.438

CRI-MCP Ag (Samp) **12/2/2011, 12:28:18 PM** **Rack 1, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	3.22141	ug/L	0.302930	9.4	67.6833
Al 237.312	2.26157	ug/L	0.846342	37.4	27.2430
As 188.980	51.4761	ug/L	1.21023	2.4	98.3991
B 249.678	0.129178	ug/L	0.184355	142.7	111.286
Ba 493.408	2320.99	ug/L	4.91608	0.2	6130579
Be 313.042	4.37168	ug/L	0.011017	0.3	19267.8
Ca 373.690	8.86507	ug/L	0.305164	3.4	140.869
Cd 214.439	5.35659	ug/L	0.035154	0.7	377.952
Co 228.615	0.720136	ug/L	0.052889	7.3	39.3250
Cr 267.716	109.454	ug/L	0.588330	0.5	7752.46
Cu 327.395	0.012913uv	ug/L	0.090365	699.8	197.757
Fe 273.955	0.255378	ug/L	0.423699	165.9	69.6414
K 404.721	517.062	ug/L	277.152	53.6	25.1338
Li 610.365	-0.079300uv	ug/L	0.005916	7.5	54.7578
Mg 279.078	1.16419	ug/L	0.730780	62.8	33.3066
Mn 257.610	0.061154	ug/L	0.025202	41.2	79.5334
Mo 202.032	0.104410	ug/L	0.082955	79.5	18.3423
Na 330.237	27.1930uv	ug/L	11.4113	42.0	-5.53467
Ni 216.555	115.560	ug/L	0.318137	0.3	1627.99
Pb 220.353	17.1856	ug/L	0.304509	1.8	160.177
Sb 217.582	5.35091	ug/L	0.848541	15.9	23.4684

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Se 196.026	50.2702	ug/L	0.143483	0.3	52.3157
Si 251.611	1.54131	ug/L	1.54734	100.4	63.0779
Si 288.158	0.265815uv	ug/L	0.910655	342.6	492.542
Sn 189.925	-0.746434uv	ug/L	0.398701	53.4	4.50539
Sr 421.552	0.032280	ug/L	0.000621	1.9	158.010
Ti 336.122	0.012897uv	ug/L	0.054905	425.7	59.7329
Tl 190.794	2.21364	ug/L	0.741225	33.5	6.47626
V 292.401	52.6728	ug/L	0.248198	0.5	3005.74
Zn 202.548	984.183	ug/L	0.569086	0.1	50834.6
Zr 339.198	0.051533uv	ug/L	0.115264	223.7	5.66138

CCV (CCV) **12/2/2011, 3:06:43 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1041.90	ug/L	3.78715	0.4	12126.0	104.18987
Al 237.312	5397.06	ug/L	1.77260	0.0	25649.4	107.94112
As 188.980	1053.98	ug/L	2.19529	0.2	1934.31	105.39757
B 249.678	1029.77	ug/L	19.1033	1.9	35382.7	102.97676
Ba 493.408	1039.06	ug/L	4.87474	0.5	2744666	103.90609
Be 313.042	1020.20	ug/L	10.9374	1.1	4457268	102.02029
Ca 373.690	21269.7	ug/L	100.271	0.5	185195	106.34853
Cd 214.439	1046.33	ug/L	4.54199	0.4	72494.0	104.63269
Co 228.615	1042.83	ug/L	5.33291	0.5	14964.1	104.28337
Cr 267.716	1035.01	ug/L	5.08777	0.5	72701.4	103.50105
Cu 327.395	1037.80	ug/L	7.12752	0.7	78215.1	103.77998
Fe 273.955	5352.78	ug/L	32.4599	0.6	126810	107.05551
K 404.721	20933.5	ug/L	173.870	0.8	592.983	104.66769
Li 610.365	5109.64	ug/L	17.8434	0.3	658531	102.19274
Mg 279.078	21419.4	ug/L	119.157	0.6	166813	107.09711
Mn 257.610	1037.96	ug/L	4.98522	0.5	440026	103.79567
Mo 202.032	1044.94	ug/L	19.9607	1.9	12719.3	104.49352
Na 330.237	20787.0	ug/L	153.286	0.7	5729.30	103.93477
Ni 216.555	1047.38	ug/L	8.27933	0.8	14719.7	104.73828
Pb 220.353	1042.26	ug/L	4.71963	0.5	8714.17	104.22624
Sb 217.582	1049.48	ug/L	7.82971	0.7	2496.90	104.94829
Se 196.026	1044.08	ug/L	7.77110	0.7	995.537	104.40797
Si 251.611	1055.87	ug/L	11.2454	1.1	7473.39	105.58665
Si 288.158	1052.85	ug/L	12.8624	1.2	17485.2	105.28514
Sn 189.925	1053.47	ug/L	6.14722	0.6	2989.68	105.34654
Sr 421.552	1039.91	ug/L	3.71680	0.4	3301006	103.99142
Ti 336.122	1045.29	ug/L	4.77090	0.5	349267	104.52861
Tl 190.794	1044.10	ug/L	3.08781	0.3	1730.15	104.40983
V 292.401	1043.50	ug/L	5.34991	0.5	58892.2	104.35048
Zn 202.548	1043.14	ug/L	9.73592	0.9	54348.1	104.31374
Zr 339.198	1090.98	ug/L	4.64591	0.4	79618.4	109.09751

CCB (CCB) **12/2/2011, 3:09:40 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.071856uv	ug/L	0.303661	422.6	-0.914307	0.07186
Al 237.312	3.57641	ug/L	1.23988	34.7	33.6165	3.57641

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	0.163456uv	ug/L	0.821339	502.5	4.38687	0.16346
B 249.678	16.3306	ug/L	2.90253	17.8	661.824	16.33061
Ba 493.408	0.131398	ug/L	0.016358	12.4	574.324	0.13140
Be 313.042	0.067741	ug/L	0.011360	16.8	437.406	0.06774
Ca 373.690	3.15270	ug/L	0.255296	8.1	90.1321	3.15270
Cd 214.439	0.078736	ug/L	0.012568	16.0	12.4803	0.07874
Co 228.615	0.295653	ug/L	0.040735	13.8	33.0207	0.29565
Cr 267.716	-0.168050uv	ug/L	0.014005	8.3	59.9240	-0.16805
Cu 327.395	-0.071702uv	ug/L	0.022899	31.9	191.389	-0.07170
Fe 273.955	2.43045	ug/L	0.210053	8.6	119.346	2.43045
K 404.721	766.293	ug/L	249.539	32.6	27.8281	766.29327
Li 610.365	-0.396915uv	ug/L	0.020234	5.1	13.8281	-0.39692
Mg 279.078	1.71356	ug/L	0.648478	37.8	37.7141	1.71356
Mn 257.610	0.107500	ug/L	0.038773	36.1	99.1683	0.10750
Mo 202.032	15.9559	ug/L	0.950607	6.0	211.031	15.95586
Na 330.237	-67.2760uv	ug/L	3.84290	5.7	5.26758	-67.27596
Ni 216.555	0.120732uv	ug/L	0.284469	235.6	13.1686	0.12073
Pb 220.353	0.072417uv	ug/L	0.410674	567.1	17.3649	0.07242
Sb 217.582	-1.04762uv	ug/L	0.858503	81.9	8.31476	-1.04762
Se 196.026	4.56618	ug/L	1.93133	42.3	8.98363	4.56618
Si 251.611	2.73983	ug/L	0.627120	22.9	70.1476	2.73983
Si 288.158	2.60984	ug/L	0.779258	29.9	526.843	2.60984
Sn 189.925	2.02728	ug/L	1.24502	61.4	12.3587	2.02728
Sr 421.552	0.085090	ug/L	0.017265	20.3	324.996	0.08509
Ti 336.122	0.686254	ug/L	0.197657	28.8	284.689	0.68625
Tl 190.794	1.20703	ug/L	0.277877	23.0	4.61534	1.20703
V 292.401	0.031556	ug/L	0.032927	104.3	41.0344	0.03156
Zn 202.548	0.032526	ug/L	0.010546	32.4	34.4926	0.03253
Zr 339.198	0.759378	ug/L	0.144337	19.0	57.3184	0.75938

MB 360-84196/1-A (Samp) **12/2/2011, 3:41:23 PM** **Rack 1, Tube 41**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.206160	ug/L	0.083364	40.4	0.833740
Al 237.312	-0.113643uv	ug/L	1.35306	1190.6	15.6458
As 188.980	-1.41793uv	ug/L	0.022089	1.6	1.49228
B 249.678	4.52561	ug/L	0.120410	2.7	259.539
Ba 493.408	0.005299	ug/L	0.002202	41.6	241.262
Be 313.042	-0.002185uv	ug/L	0.002007	91.9	132.174
Ca 373.690	-3.88519	ug/L	0.641244	16.5	150.549
Cd 214.439	-0.035720uv	ug/L	0.017052	47.7	5.94626
Co 228.615	0.224317	ug/L	0.042554	19.0	32.5107
Cr 267.716	0.541420	ug/L	0.046199	8.5	109.710
Cu 327.395	0.777559	ug/L	0.165513	21.3	255.207
Fe 273.955	690.402	ug/L	5.10529	0.7	16865.8
K 404.721	755.165	ug/L	227.824	30.2	27.5811
Li 610.365	-0.149201uv	ug/L	0.055643	37.3	45.7500
Mg 279.078	2.74253	ug/L	0.357037	13.0	47.0762
Mn 257.610	7.47491	ug/L	0.057719	0.8	3219.26
Mo 202.032	0.786177	ug/L	0.229846	29.2	26.6298
Na 330.237	-31.9759uv	ug/L	6.87375	21.5	14.9917
Ni 216.555	-0.165271uv	ug/L	0.240688	145.6	10.6610
Pb 220.353	-0.247101uv	ug/L	0.256330	103.7	14.6458

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Sb 217.582	0.053460uv	ug/L	0.494112	924.3	10.9190
Se 196.026	0.666940	ug/L	0.025127	3.8	5.28586
Si 251.611	10.9668	ug/L	2.63388	24.0	124.462
Si 288.158	9.69603	ug/L	2.20328	22.7	638.772
Sn 189.925	-0.941752uv	ug/L	0.401193	42.6	3.95241
Sr 421.552	0.003767	ug/L	0.003542	94.0	69.0986
Ti 336.122	0.255303	ug/L	0.004394	1.7	140.718
Tl 190.794	0.272756uv	ug/L	1.86109	682.3	3.07805
V 292.401	0.062108uv	ug/L	0.259725	418.2	43.3247
Zn 202.548	0.833267	ug/L	0.037009	4.4	77.3378
Zr 339.198	1.69390	ug/L	0.377231	22.3	125.518

LCS 360-84196/2-A (Samp) **12/2/2011, 3:44:20 PM** **Rack 1, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1025.86	ug/L	4.34518	0.4	11940.9
Al 237.312	5301.52	ug/L	40.2094	0.8	25207.1
As 188.980	1035.17	ug/L	6.06979	0.6	1899.88
B 249.678	1013.69	ug/L	13.0553	1.3	34832.7
Ba 493.408	1033.45	ug/L	6.69922	0.6	2729837
Be 313.042	1011.84	ug/L	8.27812	0.8	4420732
Ca 373.690	21167.8	ug/L	135.126	0.6	184354
Cd 214.439	1032.35	ug/L	6.56042	0.6	71526.4
Co 228.615	1033.67	ug/L	6.09060	0.6	14834.4
Cr 267.716	1024.16	ug/L	6.60871	0.6	71940.0
Cu 327.395	1027.76	ug/L	0.125677	0.0	77460.1
Fe 273.955	5430.59	ug/L	38.8412	0.7	128591
K 404.721	19000.8	ug/L	305.135	1.6	538.166
Li 610.365	4965.71	ug/L	24.9103	0.5	639984
Mg 279.078	21005.8	ug/L	113.908	0.5	163686
Mn 257.610	1033.01	ug/L	6.19064	0.6	437924
Mo 202.032	1100.01	ug/L	20.9987	1.9	13388.7
Na 330.237	19960.2	ug/L	67.8477	0.3	5500.98
Ni 216.555	1028.65	ug/L	10.5233	1.0	14457.3
Pb 220.353	1029.18	ug/L	4.86257	0.5	8605.01
Sb 217.582	1067.12	ug/L	9.24297	0.9	2538.56
Se 196.026	1028.36	ug/L	10.2338	1.0	980.631
Si 251.611	1041.12	ug/L	22.5092	2.2	7387.53
Si 288.158	1032.88	ug/L	20.2329	2.0	17178.7
Sn 189.925	1068.46	ug/L	5.80774	0.5	3032.14
Sr 421.552	1034.26	ug/L	6.62869	0.6	3283054
Ti 336.122	1076.01	ug/L	7.15644	0.7	359531
Tl 190.794	1001.88	ug/L	17.5547	1.8	1660.62
V 292.401	1044.17	ug/L	5.33351	0.5	58930.8
Zn 202.548	1036.22	ug/L	6.33815	0.6	53987.0
Zr 339.198	1128.24	ug/L	3.39035	0.3	82338.0

CCV (CCV) **12/2/2011, 3:47:16 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	1031.32	ug/L	1.61749	0.2	12006.5	103.13206
Al 237.312	5370.33	ug/L	26.4105	0.5	25525.7	107.40666
As 188.980	1042.83	ug/L	8.16971	0.8	1913.90	104.28259
B 249.678	1024.94	ug/L	7.31301	0.7	35217.0	102.49409
Ba 493.408	1029.08	ug/L	2.34341	0.2	2718315	102.90843
Be 313.042	1022.36	ug/L	7.60351	0.7	4466703	102.23635
Ca 373.690	21195.7	ug/L	65.7236	0.3	184570	105.97862
Cd 214.439	1041.93	ug/L	4.29063	0.4	72189.7	104.19336
Co 228.615	1037.50	ug/L	3.05648	0.3	14887.7	103.75014
Cr 267.716	1036.34	ug/L	2.98432	0.3	72794.9	103.63419
Cu 327.395	1029.24	ug/L	4.58946	0.4	77571.8	102.92415
Fe 273.955	5320.67	ug/L	28.5905	0.5	126074	106.41330
K 404.721	20327.7	ug/L	23.4326	0.1	575.760	101.63863
Li 610.365	5103.74	ug/L	10.0818	0.2	657771	102.07475
Mg 279.078	21366.8	ug/L	70.4207	0.3	166416	106.83401
Mn 257.610	1031.57	ug/L	4.15606	0.4	437322	103.15736
Mo 202.032	1048.53	ug/L	21.4047	2.0	12762.9	104.85265
Na 330.237	20916.3	ug/L	64.6616	0.3	5765.10	104.58155
Ni 216.555	1037.83	ug/L	5.46074	0.5	14585.6	103.78294
Pb 220.353	1038.29	ug/L	2.44898	0.2	8680.99	103.82866
Sb 217.582	1044.31	ug/L	5.61206	0.5	2484.64	104.43089
Se 196.026	1034.66	ug/L	9.45505	0.9	986.602	103.46590
Si 251.611	1044.06	ug/L	14.2581	1.4	7392.67	104.40587
Si 288.158	1039.63	ug/L	13.1050	1.3	17275.4	103.96324
Sn 189.925	1046.38	ug/L	2.61255	0.2	2969.62	104.63802
Sr 421.552	1032.89	ug/L	2.64060	0.3	3278726	103.28937
Ti 336.122	1037.65	ug/L	4.33301	0.4	346716	103.76495
Tl 190.794	1043.11	ug/L	1.60143	0.2	1728.49	104.31126
V 292.401	1038.57	ug/L	4.03643	0.4	58614.1	103.85747
Zn 202.548	1039.12	ug/L	2.60487	0.3	54137.3	103.91211
Zr 339.198	1043.33	ug/L	2.55739	0.2	76141.5	104.33327

CCB (CCB) **12/2/2011, 3:50:12 PM** **Rack 4, Tube 4**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.105034uv	ug/L	0.282386	268.9	-0.543945	0.10503
Al 237.312	2.09449	ug/L	1.60498	76.6	26.4009	2.09449
As 188.980	1.24644	ug/L	0.238162	19.1	6.36949	1.24644
B 249.678	22.7190	ug/L	3.13667	13.8	879.711	22.71896
Ba 493.408	0.173958	ug/L	0.033807	19.4	686.734	0.17396
Be 313.042	0.100042	ug/L	0.015528	15.5	578.552	0.10004
Ca 373.690	3.99381	ug/L	0.618734	15.5	97.6724	3.99381
Cd 214.439	0.104994	ug/L	0.028698	27.3	14.2994	0.10499
Co 228.615	0.489312	ug/L	0.068705	14.0	35.7870	0.48931
Cr 267.716	-0.186257uv	ug/L	0.018936	10.2	58.6464	-0.18626
Cu 327.395	0.131020	ug/L	0.105564	80.6	206.628	0.13102
Fe 273.955	2.52134	ug/L	0.071864	2.9	121.567	2.52134
K 404.721	543.157	ug/L	499.253	91.9	21.7163	543.15704
Li 610.365	-0.298614uv	ug/L	0.099754	33.4	26.4961	-0.29861
Mg 279.078	3.40123	ug/L	1.25032	36.8	51.2439	3.40123
Mn 257.610	0.136384	ug/L	0.025503	18.7	111.433	0.13638
Mo 202.032	16.9614	ug/L	0.796540	4.7	223.255	16.96144
Na 330.237	-57.4287uv	ug/L	20.0066	34.8	7.98584	-57.42867

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ni 216.555	-0.190769uv	ug/L	0.401250	210.3	8.90833	-0.19077
Pb 220.353	0.368520	ug/L	0.322600	87.5	19.8359	0.36852
Sb 217.582	-1.12514uv	ug/L	0.340161	30.2	8.13147	-1.12514
Se 196.026	5.70186	ug/L	0.244811	4.3	10.0604	5.70186
Si 251.611	1.75273	ug/L	0.831109	47.4	63.6461	1.75273
Si 288.158	0.834968	ug/L	0.464851	55.7	498.916	0.83497
Sn 189.925	0.920106	ug/L	0.124270	13.5	9.22394	0.92011
Sr 421.552	0.119769	ug/L	0.029626	24.7	435.102	0.11977
Ti 336.122	0.720023	ug/L	0.013592	1.9	295.971	0.72002
Tl 190.794	2.25116	ug/L	0.405677	18.0	6.33476	2.25116
V 292.401	0.103257uv	ug/L	0.335891	325.3	45.0757	0.10326
Zn 202.548	0.107102	ug/L	0.023938	22.4	38.4294	0.10710
Zr 339.198	0.730284	ug/L	0.235662	32.3	55.1951	0.73028

LCSD 360-84196/3-A (Samp) **12/2/2011, 3:53:08 PM** **Rack 1, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1077.54	ug/L	1.65452	0.2	12542.4
Al 237.312	5543.25	ug/L	14.0434	0.3	26325.5
As 188.980	1086.95	ug/L	7.88840	0.7	1994.71
B 249.678	1043.01	ug/L	15.7046	1.5	35839.6
Ba 493.408	1080.83	ug/L	5.83648	0.5	2855000
Be 313.042	1054.44	ug/L	2.71319	0.3	4606868
Ca 373.690	22201.9	ug/L	123.992	0.6	193157
Cd 214.439	1080.44	ug/L	3.41176	0.3	74858.6
Co 228.615	1082.29	ug/L	4.36815	0.4	15530.1
Cr 267.716	1075.41	ug/L	6.59158	0.6	75536.1
Cu 327.395	1085.61	ug/L	2.57673	0.2	81809.2
Fe 273.955	6406.94	ug/L	38.7314	0.6	150798
K 404.721	20864.7	ug/L	13.6132	0.1	591.190
Li 610.365	5183.35	ug/L	19.7962	0.4	668031
Mg 279.078	22009.6	ug/L	116.970	0.5	171270
Mn 257.610	1090.70	ug/L	4.85558	0.4	462373
Mo 202.032	1122.81	ug/L	14.6938	1.3	13665.9
Na 330.237	20887.1	ug/L	103.419	0.5	5755.47
Ni 216.555	1081.75	ug/L	12.3907	1.1	15204.3
Pb 220.353	1075.69	ug/L	5.47619	0.5	8993.03
Sb 217.582	1082.59	ug/L	3.54598	0.3	2575.32
Se 196.026	1081.10	ug/L	5.71615	0.5	1030.68
Si 251.611	1088.75	ug/L	13.6824	1.3	7708.92
Si 288.158	1081.51	ug/L	17.7288	1.6	17950.2
Sn 189.925	1081.67	ug/L	7.10456	0.7	3069.54
Sr 421.552	1085.46	ug/L	5.15233	0.5	3445590
Ti 336.122	1093.13	ug/L	6.79382	0.6	365251
Tl 190.794	1044.66	ug/L	13.2891	1.3	1731.46
V 292.401	1095.02	ug/L	6.20669	0.6	61797.9
Zn 202.548	1080.61	ug/L	6.08896	0.6	56305.5
Zr 339.198	1160.91	ug/L	8.13518	0.7	84722.2

360-37900-C-4-A (Samp) **12/2/2011, 3:56:03 PM** **Rack 1, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.876108uv	ug/L	0.378534	43.2	-4.60376
Al 237.312	78.4622	ug/L	1.89083	2.4	398.205
As 188.980	2.72134	ug/L	1.10725	40.7	9.07571
B 249.678	1136.93	ug/L	14.5850	1.3	39187.3
Ba 493.408	87.8166	ug/L	0.609299	0.7	232175
Be 313.042	0.051606	ug/L	0.030982	60.0	382.326
Ca 373.690	5252.80	ug/L	39.2120	0.7	46833.9
Cd 214.439	2.27081	ug/L	0.013744	0.6	165.969
Co 228.615	4.74988	ug/L	0.309668	6.5	99.8112
Cr 267.716	8.92761	ug/L	0.079218	0.9	698.172
Cu 327.395	88.9723	ug/L	0.685198	0.8	6882.96
Fe 273.955	831.866	ug/L	4.60970	0.6	20292.7
K 404.721	2332.94	ug/L	197.301	8.5	71.0522
Li 610.365	0.395433	ug/L	0.063873	16.2	116.000
Mg 279.078	867.987	ug/L	4.54691	0.5	6975.68
Mn 257.610	1916.97	ug/L	12.6026	0.7	811900
Mo 202.032	17.4866	ug/L	0.201628	1.2	229.651
Na 330.237	51097.6	ug/L	267.963	0.5	14145.0
Ni 216.555	1056.30	ug/L	14.8783	1.4	14754.1
Pb 220.353	0.041627uv	ug/L	0.065122	156.4	17.0444
Sb 217.582	1.68687	ug/L	0.034410	2.0	14.7907
Se 196.026	3.45797	ug/L	1.08000	31.2	9.87166
Si 251.611	5991.58	ug/L	30.5675	0.5	39571.3
Si 288.158	5752.91	ug/L	36.0051	0.6	91005.3
Sn 189.925	0.058624uv	ug/L	0.803556	1370.7	6.79977
Sr 421.552	31.6124	ug/L	0.219885	0.7	100821
Ti 336.122	3.96008	ug/L	0.107288	2.7	1378.78
Tl 190.794	5.70751	ug/L	0.358876	6.3	12.0750
V 292.401	0.655816	ug/L	0.085821	13.1	85.1067
Zn 202.548	10.6740	ug/L	0.060205	0.6	624.806
Zr 339.198	16.1092	ug/L	0.867427	5.4	1177.49

360-37900-C-4-B MS (Samp) **12/2/2011, 3:58:59 PM** **Rack 1, Tube 45**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1074.89	ug/L	4.81915	0.4	12516.2
Al 237.312	5558.90	ug/L	6.14541	0.1	26397.7
As 188.980	1098.68	ug/L	6.95583	0.6	2016.18
B 249.678	2147.06	ug/L	30.2485	1.4	73794.3
Ba 493.408	1137.23	ug/L	6.02638	0.5	3003966
Be 313.042	1060.74	ug/L	25.5195	2.4	4634376
Ca 373.690	27428.1	ug/L	189.745	0.7	236395
Cd 214.439	1079.49	ug/L	4.84858	0.4	74792.2
Co 228.615	1078.72	ug/L	6.62662	0.6	15481.1
Cr 267.716	1075.26	ug/L	8.76926	0.8	75526.0
Cu 327.395	1157.41	ug/L	6.48610	0.6	87204.9
Fe 273.955	6110.09	ug/L	42.4364	0.7	144076
K 404.721	23663.0	ug/L	241.241	1.0	670.951
Li 610.365	4806.16	ug/L	28.3730	0.6	619423
Mg 279.078	22648.9	ug/L	145.048	0.6	176088

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2847.38	ug/L	15.5215	0.5	1206334
Mo 202.032	1123.84	ug/L	19.8490	1.8	13678.4
Na 330.237	70055.1	ug/L	379.777	0.5	19343.3
Ni 216.555	2041.40	ug/L	15.5716	0.8	28596.3
Pb 220.353	1065.08	ug/L	4.37626	0.4	8904.57
Sb 217.582	1092.76	ug/L	3.75694	0.3	2599.38
Se 196.026	1087.94	ug/L	7.05562	0.6	1038.96
Si 251.611	6963.58	ug/L	23.7751	0.3	46457.9
Si 288.158	6697.48	ug/L	37.5941	0.6	106318
Sn 189.925	1085.10	ug/L	4.17074	0.4	3079.28
Sr 421.552	1091.97	ug/L	6.48748	0.6	3466670
Ti 336.122	1091.75	ug/L	8.43651	0.8	364790
Tl 190.794	1030.47	ug/L	13.5200	1.3	1708.10
V 292.401	1089.94	ug/L	7.49747	0.7	61518.9
Zn 202.548	1091.76	ug/L	5.77485	0.5	56912.5
Zr 339.198	1132.44	ug/L	7.09498	0.6	82644.2

360-37900-C-4-C MSD (Samp) **12/2/2011, 4:01:55 PM** **Rack 1, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1070.49	ug/L	5.57572	0.5	12465.3
Al 237.312	5515.96	ug/L	28.7939	0.5	26199.3
As 188.980	1096.70	ug/L	3.16282	0.3	2012.56
B 249.678	2241.77	ug/L	26.4409	1.2	77046.4
Ba 493.408	1138.36	ug/L	8.97383	0.8	3006949
Be 313.042	1067.51	ug/L	10.2646	1.0	4663940
Ca 373.690	27746.8	ug/L	194.333	0.7	239082
Cd 214.439	1075.22	ug/L	4.44704	0.4	74497.3
Co 228.615	1074.10	ug/L	6.18365	0.6	15415.4
Cr 267.716	1070.62	ug/L	7.48962	0.7	75200.4
Cu 327.395	1154.36	ug/L	11.7266	1.0	86975.6
Fe 273.955	6573.90	ug/L	38.1251	0.6	154568
K 404.721	23656.8	ug/L	970.780	4.1	670.825
Li 610.365	4769.45	ug/L	27.1725	0.6	614692
Mg 279.078	22618.5	ug/L	110.093	0.5	175860
Mn 257.610	2982.06	ug/L	18.9141	0.6	1263368
Mo 202.032	1129.75	ug/L	16.8492	1.5	13750.3
Na 330.237	74023.5	ug/L	309.343	0.4	20440.3
Ni 216.555	2113.74	ug/L	5.20783	0.2	29606.7
Pb 220.353	1060.63	ug/L	2.87374	0.3	8867.34
Sb 217.582	1084.33	ug/L	4.29995	0.4	2579.43
Se 196.026	1087.95	ug/L	4.04679	0.4	1039.10
Si 251.611	7408.10	ug/L	24.8357	0.3	49386.8
Si 288.158	7125.05	ug/L	31.3254	0.4	113042
Sn 189.925	1077.71	ug/L	5.91416	0.5	3058.34
Sr 421.552	1089.17	ug/L	5.79608	0.5	3457803
Ti 336.122	1086.01	ug/L	7.53416	0.7	362871
Tl 190.794	1023.95	ug/L	15.0915	1.5	1697.32
V 292.401	1085.34	ug/L	7.43524	0.7	61260.6
Zn 202.548	1084.74	ug/L	5.19359	0.5	56549.5
Zr 339.198	1125.40	ug/L	3.64447	0.3	82130.8

360-37900-C-4-A sd (Samp) **12/2/2011, 4:04:51 PM** **Rack 1, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.254157	ug/L	0.209674	82.5	2.61060
Al 237.312	18.2295	ug/L	1.19906	6.6	104.975
As 188.980	0.967419	ug/L	0.980515	101.4	5.85989
B 249.678	282.694	ug/L	3.36965	1.2	9810.69
Ba 493.408	19.1113	ug/L	0.053564	0.3	50705.5
Be 313.042	0.050942	ug/L	0.027708	54.4	367.344
Ca 373.690	1102.83	ug/L	4.48519	0.4	9942.84
Cd 214.439	0.523349	ug/L	0.045313	8.7	43.6214
Co 228.615	1.03776	ug/L	0.113362	10.9	44.2869
Cr 267.716	1.61942	ug/L	0.036998	2.3	185.351
Cu 327.395	19.0312	ug/L	0.300261	1.6	1626.95
Fe 273.955	174.565	ug/L	0.192022	0.1	4322.19
K 404.721	808.373	ug/L	231.707	28.7	29.0298
Li 610.365	-0.179017uv	ug/L	0.102369	57.2	41.9219
Mg 279.078	192.240	ug/L	0.360966	0.2	1565.01
Mn 257.610	414.160	ug/L	2.00971	0.5	175452
Mo 202.032	13.2917	ug/L	0.182012	1.4	178.648
Na 330.237	10908.2	ug/L	10.8918	0.1	3038.41
Ni 216.555	224.285	ug/L	0.391198	0.2	3141.80
Pb 220.353	-0.126669uv	ug/L	0.440411	347.7	15.6902
Sb 217.582	1.88417uv	ug/L	2.99252	158.8	15.2514
Se 196.026	4.12949	ug/L	0.862141	20.9	8.98860
Si 251.611	1255.74	ug/L	13.0440	1.0	8335.06
Si 288.158	1222.16	ug/L	16.1838	1.3	19716.9
Sn 189.925	-0.082862uv	ug/L	0.287517	347.0	6.38748
Sr 421.552	6.95259	ug/L	0.005785	0.1	22212.3
Ti 336.122	1.26294	ug/L	0.064938	5.1	477.428
Tl 190.794	6.77954	ug/L	0.424022	6.3	13.7959
V 292.401	0.198558	ug/L	0.083491	42.0	52.3123
Zn 202.548	2.26330	ug/L	0.024689	1.1	158.444
Zr 339.198	2.01661	ug/L	0.173216	8.6	149.063

360-37900-C-4-A pds (Samp) **12/2/2011, 4:07:47 PM** **Rack 1, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	914.863	ug/L	5.77256	0.6	10675.2
Al 237.312	5069.80	ug/L	40.9424	0.8	24132.6
As 188.980	990.129	ug/L	2.80516	0.3	1817.39
B 249.678	2053.02	ug/L	3.84938	0.2	70568.6
Ba 493.408	1043.30	ug/L	6.69257	0.6	2755855
Be 313.042	945.016	ug/L	7.06688	0.7	4128813
Ca 373.690	25416.0	ug/L	195.101	0.8	219771
Cd 214.439	975.758	ug/L	7.33856	0.8	67606.7
Co 228.615	982.415	ug/L	6.70405	0.7	14101.7
Cr 267.716	988.464	ug/L	7.95007	0.8	69435.1
Cu 327.395	1052.83	ug/L	2.72890	0.3	79342.6
Fe 273.955	5816.66	ug/L	53.0713	0.9	137403
K 404.721	21488.8	ug/L	460.880	2.1	608.814
Li 610.365	4368.47	ug/L	17.7809	0.4	563019
Mg 279.078	20524.2	ug/L	134.846	0.7	160041

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2759.01	ug/L	19.6837	0.7	1168868
Mo 202.032	1019.07	ug/L	21.3834	2.1	12404.9
Na 330.237	67166.4	ug/L	382.009	0.6	18548.5
Ni 216.555	1966.88	ug/L	15.4270	0.8	27547.5
Pb 220.353	963.053	ug/L	7.10620	0.7	8053.12
Sb 217.582	988.682	ug/L	7.94904	0.8	2352.83
Se 196.026	989.977	ug/L	11.6673	1.2	945.992
Si 251.611	6794.30	ug/L	47.3036	0.7	45295.5
Si 288.158	6525.60	ug/L	38.2155	0.6	103571
Sn 189.925	974.167	ug/L	8.96805	0.9	2765.15
Sr 421.552	985.803	ug/L	4.82360	0.5	3129695
Ti 336.122	985.892	ug/L	6.81216	0.7	329425
Tl 190.794	952.597	ug/L	7.56674	0.8	1579.08
V 292.401	990.407	ug/L	6.93119	0.7	55905.4
Zn 202.548	996.431	ug/L	7.13451	0.7	51945.3
Zr 339.198	1001.05	ug/L	4.10600	0.4	73055.6

360-37900-C-2-A (Samp) **12/2/2011, 4:10:42 PM** **Rack 1, Tube 49**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.658722uv	ug/L	0.351628	53.4	-2.19507
Al 237.312	57.7908	ug/L	2.64699	4.6	297.598
As 188.980	3.65811	ug/L	1.48192	40.5	10.7904
B 249.678	1145.44	ug/L	12.5281	1.1	39472.2
Ba 493.408	87.8268	ug/L	0.684335	0.8	232202
Be 313.042	0.045517	ug/L	0.022941	50.4	356.037
Ca 373.690	5363.01	ug/L	40.9787	0.8	47793.4
Cd 214.439	2.27686	ug/L	0.027784	1.2	166.270
Co 228.615	4.59309	ug/L	0.363820	7.9	97.5217
Cr 267.716	8.48149	ug/L	0.017872	0.2	666.866
Cu 327.395	84.5387	ug/L	0.582708	0.7	6549.78
Fe 273.955	770.053	ug/L	6.80038	0.9	18796.1
K 404.721	2605.16	ug/L	26.8196	1.0	78.5303
Li 610.365	0.243182	ug/L	0.021648	8.9	96.3789
Mg 279.078	870.678	ug/L	6.76326	0.8	6997.10
Mn 257.610	1935.92	ug/L	14.1214	0.7	819924
Mo 202.032	16.9821	ug/L	0.037034	0.2	223.519
Na 330.237	49741.7	ug/L	333.451	0.7	13770.1
Ni 216.555	1074.58	ug/L	13.6945	1.3	15009.1
Pb 220.353	0.478826	ug/L	0.426189	89.0	20.6976
Sb 217.582	-0.687444uv	ug/L	0.448171	65.2	9.17432
Se 196.026	3.19787	ug/L	0.782912	24.5	9.64664
Si 251.611	5892.55	ug/L	41.0692	0.7	38917.3
Si 288.158	5652.15	ug/L	33.4132	0.6	89418.7
Sn 189.925	-0.555671uv	ug/L	0.366850	66.0	5.06055
Sr 421.552	32.0639	ug/L	0.205490	0.6	102263
Ti 336.122	2.60300	ug/L	0.192616	7.4	925.409
Tl 190.794	4.70445	ug/L	1.08484	23.1	10.4240
V 292.401	0.789477	ug/L	0.045274	5.7	92.6873
Zn 202.548	14.0448	ug/L	0.113331	0.8	796.751
Zr 339.198	18.5248	ug/L	1.14495	6.2	1353.78

360-37900-C-3-A (Samp) **12/2/2011, 4:13:38 PM** **Rack 1, Tube 50**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.965155	ug/L	1.42310	147.4	9.81616
Al 237.312	47.4469	ug/L	1.15222	2.4	247.219
As 188.980	1.25469	ug/L	0.814385	64.9	6.38586
B 249.678	80.5116	ug/L	2.96537	3.7	3306.55
Ba 493.408	187.783	ug/L	0.849217	0.5	496212
Be 313.042	-0.029792	ug/L	0.001141	3.8	156.392
Ca 373.690	61241.2	ug/L	280.636	0.5	498300
Cd 214.439	-0.019021	ug/L	0.061757	324.7	11.6071
Co 228.615	0.266871	ug/L	0.254858	95.5	34.3586
Cr 267.716	1.71108	ug/L	0.040124	2.3	191.788
Cu 327.395	2.10197	ug/L	0.104838	5.0	354.738
Fe 273.955	2179.56	ug/L	7.79078	0.4	52649.6
K 404.721	2083.50	ug/L	373.533	17.9	64.4907
Li 610.365	0.323828	ug/L	0.166757	51.5	107.242
Mg 279.078	7779.56	ug/L	37.0306	0.5	61743.6
Mn 257.610	23.8344	ug/L	0.017448	0.1	10296.0
Mo 202.032	3.57179	ug/L	0.605578	17.0	60.6254
Na 330.237	45303.8	ug/L	219.557	0.5	12544.2
Ni 216.555	0.767204	ug/L	0.153616	20.0	27.2652
Pb 220.353	-0.255471uv	ug/L	0.445065	174.2	14.4633
Sb 217.582	-1.60446uv	ug/L	0.696924	43.4	6.99750
Se 196.026	-1.25999uv	ug/L	1.59437	126.5	3.46875
Si 251.611	9190.37	ug/L	20.4971	0.2	60668.1
Si 288.158	8785.72	ug/L	21.0240	0.2	138723
Sn 189.925	-0.556961uv	ug/L	0.136137	24.4	5.17520
Sr 421.552	130.330	ug/L	0.556937	0.4	418577
Ti 336.122	2.05222	ug/L	0.151477	7.4	741.037
Tl 190.794	0.675696	ug/L	0.097915	14.5	3.97090
V 292.401	1.37322	ug/L	0.137127	10.0	204.518
Zn 202.548	1.14515	ug/L	0.383051	33.4	96.4511
Zr 339.198	1.98311	ug/L	0.158100	8.0	146.416

360-37900-C-5-A (Samp) **12/2/2011, 4:16:35 PM** **Rack 1, Tube 51**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.252907	ug/L	0.557193	220.3	4.13647
Al 237.312	65.4730	ug/L	0.987194	1.5	334.967
As 188.980	0.642854	ug/L	0.321004	49.9	5.28047
B 249.678	205.298	ug/L	3.00446	1.5	7335.24
Ba 493.408	145.066	ug/L	1.71741	1.2	383386
Be 313.042	-0.027425	ug/L	0.003370	12.3	154.504
Ca 373.690	51683.1	ug/L	615.448	1.2	427160
Cd 214.439	0.201465	ug/L	0.017731	8.8	26.5390
Co 228.615	1.24687	ug/L	0.018911	1.5	49.2464
Cr 267.716	23.6558	ug/L	0.306643	1.3	1731.71
Cu 327.395	4.43685	ug/L	0.092083	2.1	530.228
Fe 273.955	2062.11	ug/L	24.4792	1.2	49851.1
K 404.721	2338.50	ug/L	49.9962	2.1	71.4102
Li 610.365	1.14626	ug/L	0.137649	12.0	213.309
Mg 279.078	8957.54	ug/L	95.4484	1.1	70975.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2663.51	ug/L	32.5457	1.2	1128211
Mo 202.032	3.75568	ug/L	0.469750	12.5	62.8416
Na 330.237	21780.3	ug/L	238.562	1.1	6043.10
Ni 216.555	396.760	ug/L	5.43517	1.4	5552.97
Pb 220.353	0.563156	ug/L	0.098045	17.4	21.3036
Sb 217.582	1.37701	ug/L	0.553007	40.2	14.0508
Se 196.026	-0.761936	ug/L	0.981132	128.8	6.60994
Si 251.611	4569.85	ug/L	44.7480	1.0	30194.2
Si 288.158	4360.37	ug/L	49.1284	1.1	69094.4
Sn 189.925	-0.962561uv	ug/L	0.199968	20.8	4.04677
Sr 421.552	176.660	ug/L	2.04801	1.2	564835
Ti 336.122	4.33785	ug/L	0.181316	4.2	1505.11
Tl 190.794	4.95184	ug/L	1.04419	21.1	10.9936
V 292.401	1.64048	ug/L	0.027655	1.7	207.295
Zn 202.548	1.14752	ug/L	0.080051	7.0	97.4222
Zr 339.198	4.03706	ug/L	0.566291	14.0	296.278

360-37900-C-6-A (Samp) **12/2/2011, 4:19:31 PM** **Rack 1, Tube 52**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.593896	ug/L	0.175099	29.5	5.25757
Al 237.312	22.4198	ug/L	1.69704	7.6	125.375
As 188.980	0.564099uv	ug/L	1.30042	230.5	5.12088
B 249.678	45.5332	ug/L	0.211309	0.5	2079.04
Ba 493.408	115.894	ug/L	0.645396	0.6	306335
Be 313.042	-0.012857	ug/L	0.000810	6.3	169.497
Ca 373.690	31268.8	ug/L	189.188	0.6	266862
Cd 214.439	0.010675	ug/L	0.026761	250.7	9.51215
Co 228.615	0.378763	ug/L	0.142584	37.6	34.6381
Cr 267.716	0.650319	ug/L	0.003400	0.5	117.351
Cu 327.395	1.06112	ug/L	0.191518	18.0	276.521
Fe 273.955	518.981	ug/L	2.48044	0.5	12705.8
K 404.721	1702.97	ug/L	356.415	20.9	53.7725
Li 610.365	0.694242	ug/L	0.015004	2.2	154.867
Mg 279.078	6188.14	ug/L	30.9963	0.5	49222.0
Mn 257.610	76.6315	ug/L	0.352545	0.5	32625.2
Mo 202.032	1.27070	ug/L	0.128269	10.1	32.5913
Na 330.237	40677.2	ug/L	164.126	0.4	11265.4
Ni 216.555	0.262749	ug/L	0.107089	40.8	16.3546
Pb 220.353	0.060956uv	ug/L	0.423272	694.4	17.2296
Sb 217.582	-2.05103uv	ug/L	0.280244	13.7	5.94104
Se 196.026	-2.45272uv	ug/L	1.65306	67.4	2.41045
Si 251.611	8490.89	ug/L	60.7684	0.7	56054.2
Si 288.158	8081.00	ug/L	34.5008	0.4	127635
Sn 189.925	-0.537224uv	ug/L	0.763737	142.2	5.20403
Sr 421.552	89.1099	ug/L	0.606256	0.7	285458
Ti 336.122	0.842644	ug/L	0.260379	30.9	336.950
Tl 190.794	1.19449	ug/L	1.68821	141.3	4.71724
V 292.401	0.447320	ug/L	0.097064	21.7	110.977
Zn 202.548	5.22624	ug/L	0.088723	1.7	303.938
Zr 339.198	0.919368	ug/L	0.019118	2.1	68.8289

CCV (CCV) **12/2/2011, 4:22:27 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1035.65	ug/L	4.63236	0.4	12054.6	103.56499
Al 237.312	5393.52	ug/L	32.8093	0.6	25633.0	107.87032
As 188.980	1047.50	ug/L	4.48372	0.4	1922.46	104.75032
B 249.678	1027.99	ug/L	16.6613	1.6	35322.3	102.79872
Ba 493.408	1035.43	ug/L	6.19702	0.6	2735066	103.54264
Be 313.042	1044.39	ug/L	17.1645	1.6	4562932	104.43923
Ca 373.690	21298.8	ug/L	113.083	0.5	185436	106.49379
Cd 214.439	1044.38	ug/L	4.24704	0.4	72359.2	104.43801
Co 228.615	1040.85	ug/L	5.47032	0.5	14935.7	104.08492
Cr 267.716	1032.89	ug/L	2.36637	0.2	72552.6	103.28904
Cu 327.395	1030.66	ug/L	7.57499	0.7	77678.2	103.06553
Fe 273.955	5337.69	ug/L	37.7681	0.7	126464	106.75379
K 404.721	20048.3	ug/L	307.329	1.5	567.848	100.24165
Li 610.365	5122.11	ug/L	21.6914	0.4	660138	102.44218
Mg 279.078	21430.7	ug/L	111.655	0.5	166899	107.15354
Mn 257.610	1035.80	ug/L	5.66385	0.5	439111	103.57957
Mo 202.032	1037.82	ug/L	22.0516	2.1	12632.7	103.78152
Na 330.237	20893.9	ug/L	74.0515	0.4	5758.87	104.46934
Ni 216.555	1045.01	ug/L	4.03859	0.4	14686.3	104.50090
Pb 220.353	1041.46	ug/L	3.12484	0.3	8707.47	104.14604
Sb 217.582	1044.58	ug/L	6.35041	0.6	2485.29	104.45787
Se 196.026	1036.73	ug/L	10.3258	1.0	988.572	103.67348
Si 251.611	1068.17	ug/L	15.4980	1.5	7552.88	106.81689
Si 288.158	1062.02	ug/L	19.1467	1.8	17627.9	106.20219
Sn 189.925	1050.45	ug/L	5.94705	0.6	2981.13	105.04459
Sr 421.552	1038.50	ug/L	2.80780	0.3	3296518	103.84988
Ti 336.122	1041.82	ug/L	7.59044	0.7	348109	104.18211
Tl 190.794	1040.61	ug/L	2.42550	0.2	1724.40	104.06108
V 292.401	1043.05	ug/L	6.80418	0.7	58866.2	104.30454
Zn 202.548	1039.61	ug/L	4.86559	0.5	54163.2	103.96101
Zr 339.198	1021.12	ug/L	11.4623	1.1	74520.7	102.11228

CCB (CCB) **12/2/2011, 4:25:23 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.805800	ug/L	0.740266	91.9	7.41309	0.80580
Al 237.312	1.95261	ug/L	0.209857	10.7	25.7097	1.95261
As 188.980	1.35780	ug/L	0.579876	42.7	6.57338	1.35780
B 249.678	33.9034	ug/L	2.64719	7.8	1261.28	33.90339
Ba 493.408	0.182983	ug/L	0.040979	22.4	710.574	0.18298
Be 313.042	0.107847	ug/L	0.012461	11.6	612.604	0.10785
Ca 373.690	4.23483	ug/L	1.39346	32.9	99.8555	4.23483
Cd 214.439	0.106574	ug/L	0.018181	17.1	14.4092	0.10657
Co 228.615	0.451130	ug/L	0.056152	12.4	35.2430	0.45113
Cr 267.716	-0.164752uv	ug/L	0.031669	19.2	60.1554	-0.16475
Cu 327.395	0.030050uv	ug/L	0.124631	414.7	199.040	0.03005
Fe 273.955	2.67077	ug/L	0.252194	9.4	125.219	2.67077
K 404.721	549.617	ug/L	177.699	32.3	21.8906	549.61707
Li 610.365	-0.363875uv	ug/L	0.018090	5.0	18.0859	-0.36388
Mg 279.078	3.76403	ug/L	0.048194	1.3	54.1526	3.76403

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	0.157385	ug/L	0.013208	8.4	120.331	0.15738
Mo 202.032	15.7664	ug/L	0.534179	3.4	208.728	15.76637
Na 330.237	-36.8594uv	ug/L	37.1622	100.8	13.6704	-36.85944
Ni 216.555	0.390985	ug/L	0.198621	50.8	17.0289	0.39099
Pb 220.353	-0.067561uv	ug/L	0.444879	658.5	16.1967	-0.06756
Sb 217.582	0.903261	ug/L	0.076009	8.4	12.9296	0.90326
Se 196.026	3.19711	ug/L	2.57937	80.7	7.68565	3.19711
Si 251.611	2.09568	ug/L	2.01341	96.1	66.2285	2.09568
Si 288.158	1.78374	ug/L	0.889063	49.8	514.659	1.78374
Sn 189.925	0.724108	ug/L	0.092656	12.8	8.66901	0.72411
Sr 421.552	0.128202	ug/L	0.024074	18.8	461.871	0.12820
Ti 336.122	0.713430	ug/L	0.122044	17.1	293.768	0.71343
Tl 190.794	1.20805	ug/L	0.114437	9.5	4.61784	1.20805
V 292.401	0.029484uv	ug/L	0.137593	466.7	40.9209	0.02948
Zn 202.548	0.101421	ug/L	0.017909	17.7	38.0850	0.10142
Zr 339.198	0.666744	ug/L	0.270062	40.5	50.5581	0.66674

360-37900-C-7-A (Samp) **12/2/2011, 4:28:19 PM** **Rack 1, Tube 53**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-3.32727	ug/L	0.556645	16.7	111.386
Al 237.312	45.4367	ug/L	0.305408	0.7	237.434
As 188.980	-0.052965uv	ug/L	0.727017	1372.6	4.33133
B 249.678	168.611	ug/L	3.82999	2.3	6254.52
Ba 493.408	101.903	ug/L	0.663948	0.7	269381
Be 313.042	-0.020071	ug/L	0.003658	18.2	168.230
Ca 373.690	47465.1	ug/L	376.007	0.8	394739
Cd 214.439	-0.029666uv	ug/L	0.019502	65.7	6.85385
Co 228.615	0.607047	ug/L	0.190673	31.4	37.8238
Cr 267.716	507.725	ug/L	3.65245	0.7	35700.3
Cu 327.395	0.750006	ug/L	0.088325	11.8	253.147
Fe 273.955	341.098	ug/L	1.86071	0.5	8396.00
K 404.721	1658.89	ug/L	229.966	13.9	52.5215
Li 610.365	1.05186	ug/L	0.021948	2.1	200.953
Mg 279.078	6185.41	ug/L	40.0316	0.6	49200.2
Mn 257.610	60.7323	ug/L	0.020373	0.0	25891.9
Mo 202.032	6.48300	ug/L	0.312105	4.8	95.9859
Na 330.237	20915.7	ug/L	131.671	0.6	5804.17
Ni 216.555	3.12864	ug/L	0.315557	10.1	55.9382
Pb 220.353	-0.202660uv	ug/L	0.144114	71.1	15.0433
Sb 217.582	-0.240011uv	ug/L	0.190770	79.5	10.2249
Se 196.026	-0.284596uv	ug/L	3.28278	1153.5	4.45129
Si 251.611	7821.56	ug/L	35.4258	0.5	51640.2
Si 288.158	7505.37	ug/L	31.2235	0.4	118578
Sn 189.925	-0.022198uv	ug/L	0.233472	1051.8	6.66219
Sr 421.552	126.436	ug/L	0.914278	0.7	405171
Ti 336.122	1.99279	ug/L	0.218017	10.9	721.189
Tl 190.794	0.564776uv	ug/L	1.49698	265.1	4.00385
V 292.401	0.961047	ug/L	0.058558	6.1	161.908
Zn 202.548	1.20861	ug/L	0.054574	4.5	96.1338
Zr 339.198	6.46780	ug/L	0.642898	9.9	473.742

360-37900-C-8-A (Samp) **12/2/2011, 4:31:15 PM** **Rack 1, Tube 54**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.195285uv	ug/L	0.336410	172.3	-3.03931
Al 237.312	32.1155	ug/L	1.07262	3.3	172.581
As 188.980	0.624147	ug/L	0.006884	1.1	5.23203
B 249.678	52.6324	ug/L	1.39328	2.6	2350.42
Ba 493.408	167.050	ug/L	1.23190	0.7	441452
Be 313.042	-0.023518	ug/L	0.002795	11.9	162.842
Ca 373.690	50826.3	ug/L	406.810	0.8	420365
Cd 214.439	0.005010	ug/L	0.028926	577.4	8.72995
Co 228.615	0.258653	ug/L	0.076030	29.4	32.6855
Cr 267.716	2.45690	ug/L	0.003016	0.1	244.124
Cu 327.395	0.340522	ug/L	0.010650	3.1	222.366
Fe 273.955	58.1315	ug/L	0.098811	0.2	1480.34
K 404.721	2019.16	ug/L	129.136	6.4	62.5063
Li 610.365	0.543523	ug/L	0.047198	8.7	135.512
Mg 279.078	7169.62	ug/L	48.2172	0.7	56948.6
Mn 257.610	8.94757	ug/L	0.048987	0.5	3979.91
Mo 202.032	1.99141	ug/L	0.515792	25.9	41.3934
Na 330.237	43727.0	ug/L	235.572	0.5	12108.2
Ni 216.555	32.3474	ug/L	0.434508	1.3	463.052
Pb 220.353	-0.140071uv	ug/L	0.072890	52.0	15.5873
Sb 217.582	-0.571691uv	ug/L	0.762242	133.3	9.44037
Se 196.026	-0.608310uv	ug/L	0.426052	70.0	4.09697
Si 251.611	9084.00	ug/L	63.2840	0.7	59966.4
Si 288.158	8640.55	ug/L	36.5852	0.4	136440
Sn 189.925	-0.416194uv	ug/L	0.010236	2.5	5.56340
Sr 421.552	112.555	ug/L	0.782558	0.7	361392
Ti 336.122	1.51018	ug/L	0.034564	2.3	559.950
Tl 190.794	0.138495	ug/L	0.039877	28.8	3.05144
V 292.401	1.42665	ug/L	0.154795	10.9	192.293
Zn 202.548	6.07494	ug/L	0.146384	2.4	346.673
Zr 339.198	2.59529	ug/L	0.312254	12.0	191.108

360-37900-C-9-A (Samp) **12/2/2011, 4:34:11 PM** **Rack 1, Tube 55**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-10.1921	ug/L	0.595696	5.8	519.693
Al 237.312	40.5202	ug/L	0.158585	0.4	213.507
As 188.980	-0.971147uv	ug/L	0.435671	44.9	3.74248
B 249.678	302.772	ug/L	5.75208	1.9	10768.2
Ba 493.408	149.378	ug/L	1.31599	0.9	394773
Be 313.042	-0.023728uv	ug/L	0.001842	7.8	145.597
Ca 373.690	43963.5	ug/L	398.413	0.9	367663
Cd 214.439	0.051864	ug/L	0.041494	80.0	12.2687
Co 228.615	1.73486	ug/L	0.259185	14.9	55.2930
Cr 267.716	2135.55	ug/L	20.7060	1.0	149929
Cu 327.395	0.826960	ug/L	0.220307	26.6	258.965
Fe 273.955	243.436	ug/L	2.61555	1.1	6068.43
K 404.721	2176.94	ug/L	80.4703	3.7	66.8252
Li 610.365	0.986337	ug/L	0.061473	6.2	192.523
Mg 279.078	6397.62	ug/L	55.0504	0.9	50872.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	118.272	ug/L	1.11583	0.9	50263.6
Mo 202.032	1.42087	ug/L	0.064383	4.5	34.4438
Na 330.237	20036.7	ug/L	167.909	0.8	5561.23
Ni 216.555	634.372	ug/L	2.53797	0.4	8864.57
Pb 220.353	-0.796796uv	ug/L	0.372103	46.7	10.0925
Sb 217.582	-1.48202uv	ug/L	0.903312	61.0	7.28717
Se 196.026	-4.49847uv	ug/L	0.930263	20.7	0.513306
Si 251.611	5895.86	ug/L	44.7179	0.8	38938.7
Si 288.158	5664.42	ug/L	43.1746	0.8	89611.7
Sn 189.925	-0.767155uv	ug/L	0.853466	111.3	4.55655
Sr 421.552	630.191	ug/L	5.11768	0.8	2003025
Ti 336.122	1.58581	ug/L	0.081812	5.2	585.238
Tl 190.794	-0.573981uv	ug/L	0.335719	58.5	2.96393
V 292.401	-0.479698	ug/L	0.083669	17.4	75.9795
Zn 202.548	1.14655	ug/L	0.025901	2.3	92.8046
Zr 339.198	5.31983	ug/L	0.450223	8.5	389.960

360-37877-C-2-A (Samp) **12/2/2011, 4:37:07 PM** **Rack 1, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-3.77022b	ug/L	0.161129	4.3	39.9282
Al 237.312	6477.81b	ug/L	43.1639	0.7	30615.7
As 188.980	1.21169b	ug/L	0.083513	6.9	6.49623
B 249.678	-11.3875b	ug/L	1.45657	12.8	1073.75
Ba 493.408	103.709b	ug/L	0.638663	0.6	274152
Be 313.042	0.127944b	ug/L	0.000344	0.3	739.170
Ca 373.690	7940.65b	ug/L	52.6477	0.7	71556.1
Cd 214.439	0.163527b	ug/L	0.000055	0.0	32.6937
Co 228.615	2.48813b	ug/L	0.427334	17.2	84.6877
Cr 267.716	283.603b	ug/L	2.40880	0.8	19973.0
Cu 327.395	142.511b	ug/L	0.827842	0.6	10906.3
Fe 273.955	7717.27b	ug/L	63.2174	0.8	180147
K 404.721	2981.27b	ug/L	211.041	7.1	89.4688
Li 610.365	-0.837491uvb	ug/L	0.079177	9.5	-42.3242
Mg 279.078	3277.71b	ug/L	23.2501	0.7	26197.0
Mn 257.610	92.0449b	ug/L	0.608269	0.7	39097.3
Mo 202.032	0.999501b	ug/L	0.451810	45.2	29.2421
Na 330.237	5104.60b	ug/L	72.3030	1.4	1422.62
Ni 216.555	9.40392b	ug/L	0.146707	1.6	159.968
Pb 220.353	1.57012b	ug/L	0.565700	36.0	29.2970
Sb 217.582	-2.17699uvb	ug/L	0.466635	21.4	5.64417
Se 196.026	-0.689223uvb	ug/L	0.501184	72.7	4.03629
Si 251.611	-xb	ug/L	310.668	1.1	179996
Si 288.158	-xb	ug/L	113.170	0.4	421216
Sn 189.925	0.029210uvb	ug/L	0.285535	977.5	6.75803
Sr 421.552	34.2123b	ug/L	0.180607	0.5	109330
Ti 336.122	437.540b	ug/L	4.42531	1.0	146230
Tl 190.794	-0.360631uvb	ug/L	0.618527	171.5	2.27843
V 292.401	15.2771b	ug/L	0.165267	1.1	937.800
Zn 202.548	317.079b	ug/L	2.58726	0.8	16475.6
Zr 339.198	4.36827b	ug/L	0.490603	11.2	320.599

360-37877-C-3-A (Samp) **12/2/2011, 4:40:04 PM** **Rack 1, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-1.49647uv	ug/L	0.363863	24.3	0.307373
Al 237.312	16199.7	ug/L	144.215	0.9	72982.7
As 188.980	2.75340	ug/L	0.402430	14.6	9.17064
B 249.678	-4.21627	ug/L	2.08358	49.4	828.718
Ba 493.408	124.666	ug/L	0.990576	0.8	329503
Be 313.042	0.464052	ug/L	0.038129	8.2	2215.33
Ca 373.690	6485.30	ug/L	58.3974	0.9	60171.4
Cd 214.439	0.255055	ug/L	0.065812	25.8	54.8756
Co 228.615	4.44863	ug/L	0.227897	5.1	121.534
Cr 267.716	62.9190	ug/L	0.471826	0.7	4486.92
Cu 327.395	106.179	ug/L	0.898854	0.8	8176.04
Fe 273.955	16642.9	ug/L	167.997	1.0	367115
K 404.721	3055.46	ug/L	554.029	18.1	92.2041
Li 610.365	-0.624545uv	ug/L	0.064988	10.4	-14.7500
Mg 279.078	4041.15	ug/L	29.3682	0.7	32269.5
Mn 257.610	255.586	ug/L	2.06322	0.8	108371
Mo 202.032	2.05569	ug/L	0.146589	7.1	42.0780
Na 330.237	3338.31	ug/L	85.3783	2.6	942.635
Ni 216.555	13.2006	ug/L	0.355465	2.7	230.861
Pb 220.353	25.4728	ug/L	0.530512	2.1	228.180
Sb 217.582	-1.76654uv	ug/L	0.568260	32.2	6.61615
Se 196.026	-1.47717uv	ug/L	3.50032	237.0	3.34973
Si 251.611	17457.7	ug/L	338.387	1.9	115339
Si 288.158	16984.0	ug/L	125.549	0.7	267717
Sn 189.925	0.785897	ug/L	1.06186	135.1	8.91357
Sr 421.552	58.9164	ug/L	0.478179	0.8	187601
Ti 336.122	526.410	ug/L	8.29737	1.6	175920
Tl 190.794	-0.045223uv	ug/L	0.971266	2147.7	2.72444
V 292.401	26.6525	ug/L	0.298869	1.1	1586.90
Zn 202.548	100.205	ug/L	1.28761	1.3	5277.39
Zr 339.198	5.95467	ug/L	0.570360	9.6	436.351

360-37877-C-4-A (Samp) **12/2/2011, 4:43:00 PM** **Rack 1, Tube 58**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-2.36832	ug/L	1.29752	54.8	38.4358
Al 237.312	7424.78	ug/L	50.9296	0.7	34930.2
As 188.980	0.940535	ug/L	0.499169	53.1	5.96060
B 249.678	2.76476	ug/L	1.08998	39.4	801.483
Ba 493.408	115.385	ug/L	0.803657	0.7	304991
Be 313.042	0.206837	ug/L	0.000677	0.3	1076.21
Ca 373.690	8460.71	ug/L	60.8844	0.7	75799.5
Cd 214.439	0.134924	ug/L	0.036076	26.7	27.8275
Co 228.615	2.48613	ug/L	0.261458	10.5	74.8459
Cr 267.716	225.121	ug/L	1.81958	0.8	15869.1
Cu 327.395	146.288	ug/L	1.08244	0.7	11190.1
Fe 273.955	5899.19	ug/L	53.4066	0.9	139259
K 404.721	2091.47	ug/L	460.388	22.0	64.8833
Li 610.365	-0.151036uv	ug/L	0.108370	71.8	45.8359
Mg 279.078	2233.22	ug/L	16.0408	0.7	17882.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	146.374	ug/L	1.02359	0.7	62085.4
Mo 202.032	0.812851	ug/L	0.275597	33.9	26.9744
Na 330.237	4135.52	ug/L	13.2779	0.3	1161.94
Ni 216.555	5.57498	ug/L	0.266661	4.8	102.613
Pb 220.353	2.01665	ug/L	0.236936	11.7	33.1519
Sb 217.582	-1.86063uv	ug/L	1.26059	67.8	6.39233
Se 196.026	-0.852389uv	ug/L	2.30415	270.3	3.93904
Si 251.611	12062.2	ug/L	137.951	1.1	79659.0
Si 288.158	11607.7	ug/L	63.3351	0.5	183125
Sn 189.925	-1.19179uv	ug/L	0.643872	54.0	3.28302
Sr 421.552	48.6717	ug/L	0.331669	0.7	155241
Ti 336.122	184.033	ug/L	4.31144	2.3	61537.5
Tl 190.794	-0.764104uv	ug/L	0.686281	89.8	1.55981
V 292.401	7.41508	ug/L	0.018104	0.2	482.958
Zn 202.548	127.158	ug/L	0.617359	0.5	6671.12
Zr 339.198	2.28557	ug/L	0.222585	9.7	168.637

360-37877-C-7-A (Samp) **12/2/2011, 4:45:56 PM** **Rack 1, Tube 59**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-1.74781uv	ug/L	0.010409	0.6	-3.42529
Al 237.312	15403.2	ug/L	88.7661	0.6	69672.6
As 188.980	2.93100	ug/L	1.67368	57.1	9.49384
B 249.678	-4.70108	ug/L	2.31305	49.2	751.221
Ba 493.408	118.885	ug/L	0.596233	0.5	314236
Be 313.042	0.393927	ug/L	0.000173	0.0	1905.57
Ca 373.690	6073.62	ug/L	39.0304	0.6	56313.8
Cd 214.439	0.169225	ug/L	0.008465	5.0	46.1154
Co 228.615	4.20717	ug/L	0.127752	3.0	115.439
Cr 267.716	60.0468	ug/L	0.476957	0.8	4285.38
Cu 327.395	99.2658	ug/L	0.462749	0.5	7656.54
Fe 273.955	14928.5	ug/L	109.455	0.7	332975
K 404.721	3022.89	ug/L	678.443	22.4	91.1802
Li 610.365	-0.740409uv	ug/L	0.077077	10.4	-29.7422
Mg 279.078	3766.97	ug/L	18.5716	0.5	30092.3
Mn 257.610	228.160	ug/L	1.09948	0.5	96750.7
Mo 202.032	0.984856	ug/L	0.425384	43.2	29.0600
Na 330.237	3275.94	ug/L	17.4130	0.5	926.338
Ni 216.555	11.8412	ug/L	0.068010	0.6	208.644
Pb 220.353	19.1937	ug/L	0.420344	2.2	175.887
Sb 217.582	-2.81231uv	ug/L	0.288491	10.3	4.14197
Se 196.026	0.713195uv	ug/L	3.25023	455.7	5.41428
Si 251.611	16237.2	ug/L	267.833	1.6	107277
Si 288.158	15865.5	ug/L	37.0817	0.2	250119
Sn 189.925	1.16803	ug/L	0.085118	7.3	9.99081
Sr 421.552	55.8825	ug/L	0.328651	0.6	177934
Ti 336.122	479.594	ug/L	2.82407	0.6	160279
Tl 190.794	-1.01414uv	ug/L	0.622618	61.4	1.11818
V 292.401	24.5048	ug/L	0.096954	0.4	1462.00
Zn 202.548	75.2705	ug/L	0.436229	0.6	3984.95
Zr 339.198	4.51056	ug/L	0.555594	12.3	330.971

360-37876-E-2-A (Samp) **12/2/2011, 4:48:51 PM** **Rack 1, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.019171uv	ug/L	0.042458	221.5	-1.73413
Al 237.312	658.833	ug/L	9.56195	1.5	3214.94
As 188.980	-1.09708uv	ug/L	1.20407	109.8	2.07965
B 249.678	6.73182	ug/L	0.048541	0.7	529.819
Ba 493.408	8.78665	ug/L	0.024180	0.3	23435.2
Be 313.042	0.014527	ug/L	0.003936	27.1	225.310
Ca 373.690	7150.27	ug/L	15.4086	0.2	63414.5
Cd 214.439	0.008373uv	ug/L	0.031549	376.8	8.45996
Co 228.615	0.944650	ug/L	0.069116	7.3	43.7523
Cr 267.716	0.515564	ug/L	0.041101	8.0	107.895
Cu 327.395	1.24846	ug/L	0.116186	9.3	290.618
Fe 273.955	372.101	ug/L	1.69550	0.5	9134.67
K 404.721	894.158	ug/L	14.2575	1.6	31.3789
Li 610.365	0.361650	ug/L	0.036824	10.2	111.715
Mg 279.078	1464.82	ug/L	3.11914	0.2	11744.7
Mn 257.610	95.9340	ug/L	0.105943	0.1	40709.5
Mo 202.032	0.161681	ug/L	0.024430	15.1	19.0555
Na 330.237	5530.76	ug/L	77.5000	1.4	1552.21
Ni 216.555	1.22184	ug/L	0.036129	3.0	29.2853
Pb 220.353	0.087555uv	ug/L	0.604932	690.9	17.4628
Sb 217.582	-1.03125uv	ug/L	0.008539	0.8	8.35327
Se 196.026	-1.82363uv	ug/L	1.88078	103.1	3.02261
Si 251.611	3944.07	ug/L	17.6316	0.4	26075.0
Si 288.158	3809.53	ug/L	17.6162	0.5	60426.3
Sn 189.925	-0.752299uv	ug/L	0.873416	116.1	4.51409
Sr 421.552	13.5273	ug/L	0.023208	0.2	43612.8
Ti 336.122	35.4941	ug/L	0.317414	0.9	11913.4
Tl 190.794	-0.730822uv	ug/L	0.645212	88.3	1.46118
V 292.401	0.631534	ug/L	0.072089	11.4	87.6375
Zn 202.548	4.17007	ug/L	0.101702	2.4	249.264
Zr 339.198	1.38719	ug/L	0.173448	12.5	103.095

360-37881-d-1-a (Samp) **12/2/2011, 4:51:47 PM** **Rack 2, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-1.29922b	ug/L	0.200969	15.5	17.9607
Al 237.312	45423.1b	ug/L	321.184	0.7	184055
As 188.980	8.93091b	ug/L	0.381378	4.3	20.5123
B 249.678	50.0202b	ug/L	2.76709	5.5	4043.11
Ba 493.408	291.650b	ug/L	1.43236	0.5	770553
Be 313.042	1.63542b	ug/L	0.009010	0.6	7580.26
Ca 373.690	89874.0b	ug/L	824.862	0.9	705011
Cd 214.439	3.14355b	ug/L	0.044090	1.4	357.535
Co 228.615	52.0832b	ug/L	0.328826	0.6	900.434
Cr 267.716	111.293b	ug/L	0.973658	0.9	7881.46
Cu 327.395	63.6037b	ug/L	0.369951	0.6	4978.26
Fe 273.955	86416.1b	ug/L	676.895	0.8	1582267
K 404.721	15794.1b	ug/L	471.586	3.0	451.467
Li 610.365	26.2641b	ug/L	0.088736	0.3	3453.09
Mg 279.078	21173.1b	ug/L	144.327	0.7	165042

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	5474.45b	ug/L	34.4856	0.6	2318858
Mo 202.032	3.20194b	ug/L	0.061227	1.9	56.1853
Na 330.237	75601.3b	ug/L	468.276	0.6	20905.4
Ni 216.555	62.4091b	ug/L	0.623574	1.0	1033.83
Pb 220.353	55.3374b	ug/L	0.171142	0.3	473.580
Sb 217.582	-3.92241uvb	ug/L	0.783625	20.0	1.53119
Se 196.026	-6.70423uvb	ug/L	0.252231	3.8	3.10269
Si 251.611	-xb	ug/L	103.622	0.2	296260
Si 288.158	-xb	ug/L	196.752	0.5	674672
Sn 189.925	1.95337b	ug/L	0.149642	7.7	12.5060
Sr 421.552	292.368b	ug/L	1.72185	0.6	934848
Ti 336.122	2321.72b	ug/L	13.3232	0.6	775702
Tl 190.794	4.73481b	ug/L	0.514973	10.9	11.3397
V 292.401	71.3950b	ug/L	0.623779	0.9	4340.48
Zn 202.548	314.730b	ug/L	0.957986	0.3	16414.1
Zr 339.198	9.81786b	ug/L	1.26924	12.9	717.833

360-37881-d-2-a (Samp) **12/2/2011, 4:54:43 PM** **Rack 2, Tube 2**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.721987b	ug/L	0.253928	35.2	5.07251
Al 237.312	16655.2b	ug/L	116.829	0.7	74863.2
As 188.980	0.623959uvb	ug/L	0.908660	145.6	5.26257
B 249.678	0.045726b	ug/L	0.831648	1818.8	1478.57
Ba 493.408	177.327b	ug/L	1.09228	0.6	468595
Be 313.042	0.572279b	ug/L	0.001721	0.3	2856.57
Ca 373.690	83550.1b	ug/L	404.316	0.5	657932
Cd 214.439	12.4820b	ug/L	0.081714	0.7	924.238
Co 228.615	11.7725b	ug/L	0.078508	0.7	260.399
Cr 267.716	48.5624b	ug/L	0.194310	0.4	3479.48
Cu 327.395	30.9221b	ug/L	0.160928	0.5	2521.00
Fe 273.955	30376.1b	ug/L	226.012	0.7	614333
K 404.721	8900.09b	ug/L	112.989	1.3	254.874
Li 610.365	6.74745b	ug/L	0.196121	2.9	936.402
Mg 279.078	10437.7b	ug/L	57.6354	0.6	82569.3
Mn 257.610	6229.25b	ug/L	38.4997	0.6	2638315
Mo 202.032	4.91415b	ug/L	0.001978	0.0	76.9860
Na 330.237	113879b	ug/L	736.446	0.6	31457.8
Ni 216.555	29.2284b	ug/L	0.040626	0.1	477.921
Pb 220.353	24.0649b	ug/L	0.220810	0.9	215.653
Sb 217.582	-1.43449uvb	ug/L	1.20140	83.8	7.44446
Se 196.026	-6.99255uvb	ug/L	1.33098	19.0	4.05338
Si 251.611	-xb	ug/L	17.7398	0.1	182437
Si 288.158	-xb	ug/L	70.0284	0.3	425302
Sn 189.925	1.29150b	ug/L	0.418708	32.4	10.4538
Sr 421.552	275.421b	ug/L	0.918281	0.3	880534
Ti 336.122	1312.25b	ug/L	7.05933	0.5	438456
Tl 190.794	4.32633b	ug/L	0.989139	22.9	10.2409
V 292.401	28.2325b	ug/L	0.027569	0.1	1822.89
Zn 202.548	1010.76b	ug/L	11.5314	1.1	52261.7
Zr 339.198	5.51316b	ug/L	0.694348	12.6	403.962

CCV (CCV) **12/2/2011, 4:57:40 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1026.82	ug/L	0.271121	0.0	11952.6	102.68182
Al 237.312	5333.39	ug/L	4.35658	0.1	25354.7	106.66773
As 188.980	1034.91	ug/L	2.01161	0.2	1899.40	103.49084
B 249.678	1005.30	ug/L	10.6211	1.1	34548.9	100.52951
Ba 493.408	1023.82	ug/L	0.558210	0.1	2704399	102.38157
Be 313.042	1028.79	ug/L	18.8347	1.8	4494782	102.87923
Ca 373.690	21107.7	ug/L	20.1967	0.1	183829	105.53829
Cd 214.439	1037.14	ug/L	1.82612	0.2	71857.5	103.71384
Co 228.615	1033.28	ug/L	0.794632	0.1	14827.3	103.32827
Cr 267.716	1026.60	ug/L	4.65826	0.5	72111.0	102.65967
Cu 327.395	1020.77	ug/L	0.181567	0.0	76934.8	102.07665
Fe 273.955	5301.36	ug/L	12.6437	0.2	125632	106.02724
K 404.721	20032.8	ug/L	50.3703	0.3	567.380	100.16381
Li 610.365	5105.43	ug/L	20.3939	0.4	657988	102.10855
Mg 279.078	21305.6	ug/L	19.7078	0.1	165953	106.52805
Mn 257.610	1026.50	ug/L	1.00913	0.1	435173	102.65018
Mo 202.032	1030.46	ug/L	17.7626	1.7	12543.3	103.04639
Na 330.237	20883.0	ug/L	60.2698	0.3	5755.94	104.41484
Ni 216.555	1028.99	ug/L	1.45073	0.1	14461.9	102.89929
Pb 220.353	1036.33	ug/L	1.26204	0.1	8664.65	103.63289
Sb 217.582	1034.54	ug/L	5.88266	0.6	2461.53	103.45412
Se 196.026	1028.44	ug/L	3.62988	0.4	980.697	102.84361
Si 251.611	1095.94	ug/L	21.8286	2.0	7732.40	109.59387
Si 288.158	1093.68	ug/L	16.9245	1.5	18122.3	109.36790
Sn 189.925	1043.90	ug/L	4.05507	0.4	2962.60	104.39032
Sr 421.552	1028.04	ug/L	0.523252	0.1	3263335	102.80444
Ti 336.122	1034.09	ug/L	0.776160	0.1	345527	103.40900
Tl 190.794	1031.11	ug/L	1.36087	0.1	1708.70	103.11113
V 292.401	1034.08	ug/L	1.01655	0.1	58360.4	103.40773
Zn 202.548	1033.89	ug/L	2.95799	0.3	53864.3	103.38926
Zr 339.198	1017.39	ug/L	12.6177	1.2	74248.5	101.73930

CCB (CCB) **12/2/2011, 5:00:37 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.116687uv	ug/L	0.052472	45.0	-3.05566	-0.11669
Al 237.312	2.50292	ug/L	0.892428	35.7	28.3910	2.50292
As 188.980	2.00661	ug/L	0.252944	12.6	7.76115	2.00661
B 249.678	24.1811	ug/L	2.68019	11.1	929.703	24.18114
Ba 493.408	0.161674	ug/L	0.030051	18.6	654.289	0.16167
Be 313.042	0.099907	ug/L	0.012348	12.4	577.919	0.09991
Ca 373.690	4.25443	ug/L	0.865772	20.3	100.134	4.25443
Cd 214.439	0.123231	ug/L	0.009695	7.9	15.5640	0.12323
Co 228.615	0.633726	ug/L	0.149709	23.6	37.8522	0.63373
Cr 267.716	-0.180989uv	ug/L	0.064398	35.6	59.0160	-0.18099
Cu 327.395	0.131552	ug/L	0.075938	57.7	206.673	0.13155
Fe 273.955	3.23733	ug/L	0.297120	9.2	139.066	3.23733
K 404.721	344.557	ug/L	16.0871	4.7	16.2734	344.55652
Li 610.365	-0.388186uv	ug/L	0.012089	3.1	14.9531	-0.38819
Mg 279.078	2.19645	ug/L	0.628323	28.6	41.5867	2.19645

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	0.169809	ug/L	0.029876	17.6	125.565	0.16981
Mo 202.032	14.6253	ug/L	0.673479	4.6	194.857	14.62533
Na 330.237	-44.6144uv	ug/L	36.8574	82.6	11.5269	-44.61436
Ni 216.555	0.248046	ug/L	0.151018	60.9	15.0925	0.24805
Pb 220.353	-0.017938uv	ug/L	1.24533	6942.4	16.6108	-0.01794
Sb 217.582	-1.14806uv	ug/L	0.025653	2.2	8.07733	-1.14806
Se 196.026	0.921359	ug/L	0.698243	75.8	5.52802	0.92136
Si 251.611	3.71006	ug/L	1.18866	32.0	76.5445	3.71006
Si 288.158	3.55793	ug/L	0.224855	6.3	541.709	3.55793
Sn 189.925	1.07494	ug/L	0.084653	7.9	9.66231	1.07494
Sr 421.552	0.124159	ug/L	0.014046	11.3	449.057	0.12416
Ti 336.122	0.752115	ug/L	0.039601	5.3	306.692	0.75211
Tl 190.794	1.45367	ug/L	0.010464	0.7	5.02313	1.45367
V 292.401	0.018379	ug/L	0.006989	38.0	40.2979	0.01838
Zn 202.548	0.107951	ug/L	0.074373	68.9	38.4768	0.10795
Zr 339.198	0.679236	ug/L	0.217508	32.0	51.4697	0.67924

360-37881-d-3-a (Samp) **12/2/2011, 5:03:34 PM** **Rack 2, Tube 3**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.254039uv	ug/L	0.744893	293.2	2.68115
Al 237.312	1921.30	ug/L	8.00476	0.4	9289.66
As 188.980	2.15903	ug/L	0.268809	12.5	8.04326
B 249.678	91.2617	ug/L	1.52913	1.7	3630.47
Ba 493.408	72.9029	ug/L	0.390497	0.5	192784
Be 313.042	0.047350	ug/L	0.000120	0.3	527.756
Ca 373.690	67470.1	ug/L	40.8465	0.1	544423
Cd 214.439	0.371630	ug/L	0.055883	15.0	54.1961
Co 228.615	2.71653	ug/L	0.237724	8.8	79.7782
Cr 267.716	4.39888	ug/L	0.066630	1.5	380.398
Cu 327.395	8.80031	ug/L	0.039825	0.5	858.197
Fe 273.955	10310.5	ug/L	82.6832	0.8	236818
K 404.721	9376.75	ug/L	16.6467	0.2	266.614
Li 610.365	0.687817	ug/L	0.025378	3.7	154.602
Mg 279.078	12642.5	ug/L	75.1467	0.6	99672.5
Mn 257.610	728.297	ug/L	4.52071	0.6	308724
Mo 202.032	6.48877	ug/L	0.822273	12.7	96.0963
Na 330.237	92244.2	ug/L	546.969	0.6	25515.7
Ni 216.555	3.94549	ug/L	0.053906	1.4	89.2411
Pb 220.353	2.44601	ug/L	0.010385	0.4	36.4281
Sb 217.582	-0.609261uv	ug/L	0.346692	56.9	9.35370
Se 196.026	2.14182	ug/L	0.980950	45.8	7.31447
Si 251.611	8316.21	ug/L	33.1118	0.4	54940.6
Si 288.158	7937.83	ug/L	34.8744	0.4	125383
Sn 189.925	-0.923456uv	ug/L	0.155968	16.9	4.21951
Sr 421.552	166.623	ug/L	1.04649	0.6	534197
Ti 336.122	140.615	ug/L	0.810935	0.6	47032.5
Tl 190.794	1.44735	ug/L	0.290046	20.0	5.30779
V 292.401	10.9668	ug/L	0.143773	1.3	765.323
Zn 202.548	30.2702	ug/L	0.133109	0.4	1615.29
Zr 339.198	7.34936	ug/L	1.08971	14.8	537.907

360-37881-d-4-a (Samp) **12/2/2011, 5:06:31 PM** **Rack 2, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.143811	ug/L	0.227875	158.5	2.11938
Al 237.312	6304.01	ug/L	34.9396	0.6	29819.5
As 188.980	3.89963	ug/L	0.366786	9.4	11.2378
B 249.678	51.6317	ug/L	2.23033	4.3	2533.61
Ba 493.408	96.6766	ug/L	0.445999	0.5	255576
Be 313.042	0.297688	ug/L	0.002177	0.7	1613.54
Ca 373.690	61152.7	ug/L	444.270	0.7	501494
Cd 214.439	0.215841	ug/L	0.026086	12.1	80.8817
Co 228.615	3.85202	ug/L	0.275274	7.1	118.046
Cr 267.716	16.3522	ug/L	0.403989	2.5	1219.20
Cu 327.395	90.9254	ug/L	0.637012	0.7	7029.78
Fe 273.955	34819.3	ug/L	240.789	0.7	691077
K 404.721	7997.22	ug/L	163.798	2.0	229.907
Li 610.365	-0.012199uv	ug/L	0.057743	473.3	64.5195
Mg 279.078	11370.6	ug/L	72.5461	0.6	89833.6
Mn 257.610	546.701	ug/L	3.53648	0.6	231795
Mo 202.032	2.38244	ug/L	0.217040	9.1	46.1687
Na 330.237	122842	ug/L	574.049	0.5	33970.2
Ni 216.555	11.3618	ug/L	0.251847	2.2	236.157
Pb 220.353	77.1523	ug/L	0.752191	1.0	658.432
Sb 217.582	-1.58715uv	ug/L	2.59102	163.3	7.04150
Se 196.026	-2.31171uv	ug/L	2.43090	105.2	2.68692
Si 251.611	13443.8	ug/L	60.0972	0.4	88823.7
Si 288.158	13121.6	ug/L	43.4298	0.3	206945
Sn 189.925	5.15210	ug/L	0.363824	7.1	21.4001
Sr 421.552	276.907	ug/L	1.59449	0.6	883662
Ti 336.122	373.320	ug/L	2.42891	0.7	124775
Tl 190.794	0.603380	ug/L	0.681023	112.9	3.92809
V 292.401	13.1042	ug/L	0.105352	0.8	904.337
Zn 202.548	71.7840	ug/L	1.29337	1.8	3825.53
Zr 339.198	7.07520	ug/L	1.49986	21.2	517.932

lb 360-84196/23-a@2 (Samp) **12/2/2011, 5:13:21 PM** **Rack 2, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.309961	ug/L	0.464546	149.9	1.90112
Al 237.312	9.19311	ug/L	2.74619	29.9	60.9673
As 188.980	0.401577	ug/L	0.313672	78.1	4.82304
B 249.678	8.27058	ug/L	0.154427	1.9	387.193
Ba 493.408	0.986513	ug/L	0.000586	0.1	2832.91
Be 313.042	0.006078	ug/L	0.001585	26.1	168.104
Ca 373.690	21.2063	ug/L	0.662619	3.1	294.965
Cd 214.439	0.008428uv	ug/L	0.061745	732.6	8.10031
Co 228.615	0.152328	ug/L	0.048561	31.9	31.1428
Cr 267.716	0.186796	ug/L	0.034848	18.7	84.8246
Cu 327.395	-0.128438uv	ug/L	0.018874	14.7	187.121
Fe 273.955	243.441	ug/L	0.930559	0.4	6001.42
K 404.721	754.134	ug/L	49.3091	6.5	27.5161
Li 610.365	-0.249352uv	ug/L	0.027178	10.9	32.8438
Mg 279.078	2.76397	ug/L	0.394592	14.3	46.5259

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2.76572	ug/L	0.005618	0.2	1224.93
Mo 202.032	0.120022uv	ug/L	0.255107	212.6	18.5321
Na 330.237	-x	ug/L	1089.83	0.2	186491
Ni 216.555	0.554776	ug/L	0.072574	13.1	19.7924
Pb 220.353	1.14574	ug/L	0.469848	41.0	26.3034
Sb 217.582	-0.646813uv	ug/L	0.353698	54.7	9.26263
Se 196.026	-1.74997uv	ug/L	1.81327	103.6	2.99503
Si 251.611	9.15335	ug/L	1.96007	21.4	112.350
Si 288.158	10.5935	ug/L	0.479092	4.5	652.540
Sn 189.925	0.009068uv	ug/L	0.653681	7208.6	6.64449
Sr 421.552	0.290154	ug/L	0.002592	0.9	978.077
Ti 336.122	0.209332	ug/L	0.045535	21.8	125.358
Tl 190.794	-0.861976uv	ug/L	0.496838	57.6	1.20967
V 292.401	-0.089902uv	ug/L	0.079237	88.1	34.4099
Zn 202.548	3.84983	ug/L	0.037719	1.0	231.911
Zr 339.198	0.178064	ug/L	0.164723	92.5	14.8953

360-37589-a-5-i@2 (Samp) **12/2/2011, 5:16:19 PM** **Rack 2, Tube 6**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.017637uv	ug/L	0.189039	1071.8	-0.697998
Al 237.312	199.146	ug/L	2.95695	1.5	985.181
As 188.980	93.0972	ug/L	1.34778	1.4	174.524
B 249.678	318.606	ug/L	3.49632	1.1	11016.0
Ba 493.408	79.5324	ug/L	0.443922	0.6	210294
Be 313.042	0.412039	ug/L	0.002954	0.7	1966.90
Ca 373.690	10217.0	ug/L	48.1351	0.5	90093.4
Cd 214.439	1.80249	ug/L	0.016323	0.9	132.388
Co 228.615	4.83529	ug/L	0.035616	0.7	97.9849
Cr 267.716	2.61847	ug/L	0.021713	0.8	255.462
Cu 327.395	3.55660	ug/L	0.061171	1.7	464.178
Fe 273.955	104.537	ug/L	0.176302	0.2	2613.46
K 404.721	999.732	ug/L	127.435	12.7	34.3770
Li 610.365	0.481577	ug/L	0.018819	3.9	127.082
Mg 279.078	637.067	ug/L	1.60851	0.3	5127.01
Mn 257.610	1091.73	ug/L	5.05281	0.5	462410
Mo 202.032	0.470997	ug/L	0.404441	85.9	22.8226
Na 330.237	-x	ug/L	1421.99	0.2	180081
Ni 216.555	2.11649	ug/L	0.008629	0.4	48.3433
Pb 220.353	145.433	ug/L	0.908958	0.6	1230.41
Sb 217.582	0.951633	ug/L	0.973227	102.3	13.0499
Se 196.026	-1.93908uv	ug/L	1.55847	80.4	3.92189
Si 251.611	852.159	ug/L	3.19747	0.4	5673.13
Si 288.158	811.842	ug/L	2.86550	0.4	13260.4
Sn 189.925	-0.248176uv	ug/L	0.530661	213.8	5.92712
Sr 421.552	73.8379	ug/L	0.395811	0.5	235215
Ti 336.122	1.71372	ug/L	0.116845	6.8	628.146
Tl 190.794	0.790060uv	ug/L	1.57699	199.6	4.00174
V 292.401	1.95868	ug/L	0.072708	3.7	165.247
Zn 202.548	367.375	ug/L	3.12950	0.9	18997.8
Zr 339.198	2.97670	ug/L	0.317728	10.7	219.116

360-37589-a-5-j ms@2 (Samp) **12/2/2011, 5:19:16 PM** **Rack 2, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	82.2572	ug/L	1.56305	1.9	1058.49
Al 237.312	666.526	ug/L	6.05892	0.9	3255.27
As 188.980	554.216	ug/L	4.89524	0.9	1018.98
B 249.678	168.979	ug/L	1.86623	1.1	5955.32
Ba 493.408	459.033	ug/L	4.49613	1.0	1212656
Be 313.042	445.812	ug/L	3.99155	0.9	1947797
Ca 373.690	10414.8	ug/L	99.1586	1.0	91811.4
Cd 214.439	445.670	ug/L	3.32878	0.7	30877.7
Co 228.615	435.314	ug/L	4.11517	0.9	6247.16
Cr 267.716	426.133	ug/L	3.94316	0.9	29974.7
Cu 327.395	422.155	ug/L	3.11556	0.7	31933.3
Fe 273.955	117.987	ug/L	1.21110	1.0	2955.11
K 404.721	1170.73	ug/L	46.1728	3.9	39.7441
Li 610.365	0.444475	ug/L	0.086765	19.5	122.383
Mg 279.078	641.268	ug/L	3.03179	0.5	5160.65
Mn 257.610	1509.33	ug/L	11.0152	0.7	639263
Mo 202.032	0.056370uv	ug/L	0.449371	797.2	17.7829
Na 330.237	-x	ug/L	5172.84	0.8	183638
Ni 216.555	433.238	ug/L	1.67098	0.4	6099.82
Pb 220.353	578.615	ug/L	3.09191	0.5	4845.37
Sb 217.582	1.24640	ug/L	1.04814	84.1	15.2632
Se 196.026	470.064	ug/L	8.74399	1.9	451.852
Si 251.611	960.392	ug/L	14.4292	1.5	6387.59
Si 288.158	923.490	ug/L	6.25391	0.7	15017.5
Sn 189.925	-0.318715uv	ug/L	0.376568	118.2	5.72748
Sr 421.552	466.373	ug/L	4.37434	0.9	1480525
Ti 336.122	3.30193	ug/L	0.232124	7.0	1158.92
Tl 190.794	392.495	ug/L	9.99388	2.5	652.413
V 292.401	433.353	ug/L	2.69543	0.6	24461.6
Zn 202.548	671.807	ug/L	10.1045	1.5	34898.9
Zr 339.198	2.02079	ug/L	0.424854	21.0	149.356

360-37900-C-9-A@2 (Samp) **12/2/2011, 5:22:13 PM** **Rack 2, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-7.25132	ug/L	0.830874	11.5	221.836
Al 237.312	18.0730	ug/L	0.118629	0.7	104.215
As 188.980	0.979929	ug/L	0.096338	9.8	6.56935
B 249.678	141.487	ug/L	2.18902	1.5	5090.99
Ba 493.408	74.7478	ug/L	0.392229	0.5	197656
Be 313.042	0.013706	ug/L	0.008767	64.0	253.221
Ca 373.690	20269.7	ug/L	112.723	0.6	175947
Cd 214.439	0.011071uv	ug/L	0.036421	329.0	8.57913
Co 228.615	1.20025	ug/L	0.057838	4.8	46.7638
Cr 267.716	1024.77	ug/L	4.18468	0.4	71983.2
Cu 327.395	0.322585	ug/L	0.076967	23.9	221.046
Fe 273.955	115.845	ug/L	1.21175	1.0	2921.67
K 404.721	1358.98	ug/L	442.841	32.6	44.2251
Li 610.365	0.646084	ug/L	0.027007	4.2	148.453
Mg 279.078	3147.88	ug/L	16.0501	0.5	25153.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	57.0435	ug/L	0.293275	0.5	24271.8
Mo 202.032	-0.037192uv	ug/L	0.017915	48.2	16.6682
Na 330.237	10189.6	ug/L	33.1173	0.3	2839.88
Ni 216.555	311.412	ug/L	1.72036	0.6	4357.53
Pb 220.353	-0.089860uv	ug/L	0.691889	770.0	16.0018
Sb 217.582	-1.05747uv	ug/L	0.613253	58.0	8.29126
Se 196.026	2.24906	ug/L	0.298480	13.3	6.84650
Si 251.611	2810.76	ug/L	11.3534	0.4	18590.7
Si 288.158	2731.77	ug/L	12.2948	0.5	43468.6
Sn 189.925	-0.383265uv	ug/L	0.041987	11.0	5.58791
Sr 421.552	306.404	ug/L	1.92689	0.6	973888
Ti 336.122	0.676804	ug/L	0.072519	10.7	281.542
Tl 190.794	1.81042	ug/L	0.045817	2.5	6.22321
V 292.401	-0.269019	ug/L	0.045274	16.8	54.5725
Zn 202.548	0.505044	ug/L	0.003987	0.8	59.2502
Zr 339.198	1.08075	ug/L	0.161369	14.9	80.6870

360-37877-C-2-A@2 (Samp) **12/2/2011, 5:25:09 PM** **Rack 2, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-2.28904	ug/L	0.219505	9.6	12.1514
Al 237.312	3035.03	ug/L	23.6972	0.8	14588.9
As 188.980	0.277181	ug/L	0.249278	89.9	4.68491
B 249.678	-5.56846	ug/L	0.441876	7.9	550.605
Ba 493.408	49.4543	ug/L	0.323108	0.7	130849
Be 313.042	0.054011	ug/L	0.003455	6.4	395.886
Ca 373.690	3762.48	ug/L	26.6924	0.7	34156.3
Cd 214.439	0.066403	ug/L	0.062459	94.1	18.4425
Co 228.615	1.42716	ug/L	0.019678	1.4	58.8235
Cr 267.716	133.712	ug/L	0.818617	0.6	9454.70
Cu 327.395	68.3048	ug/L	0.653056	1.0	5329.77
Fe 273.955	3575.73	ug/L	28.2530	0.8	85625.4
K 404.721	2151.10	ug/L	296.285	13.8	66.2153
Li 610.365	-0.481826uv	ug/L	0.035709	7.4	3.18359
Mg 279.078	1588.76	ug/L	10.1825	0.6	12739.2
Mn 257.610	44.3282	ug/L	0.271428	0.6	18857.0
Mo 202.032	-0.106795uv	ug/L	0.106885	100.1	15.7840
Na 330.237	2576.90	ug/L	26.5780	1.0	730.229
Ni 216.555	4.67358	ug/L	0.039012	0.8	84.8537
Pb 220.353	0.832753	ug/L	0.151810	18.2	23.4410
Sb 217.582	-1.44334uv	ug/L	1.07744	74.6	7.37897
Se 196.026	-1.56710uv	ug/L	2.91957	186.3	3.18582
Si 251.611	12789.1	ug/L	122.390	1.0	84459.8
Si 288.158	12522.3	ug/L	73.9520	0.6	197515
Sn 189.925	-0.299646uv	ug/L	0.058328	19.5	5.79784
Sr 421.552	16.5988	ug/L	0.099632	0.6	53065.8
Ti 336.122	207.476	ug/L	7.26542	3.5	69369.5
Tl 190.794	0.513145uv	ug/L	1.11822	217.9	3.58832
V 292.401	7.06708	ug/L	0.099173	1.4	455.374
Zn 202.548	153.092	ug/L	3.67632	2.4	7971.43
Zr 339.198	0.999530	ug/L	0.275555	27.6	74.8015

360-37881-d-1-a@5 (Samp) **12/2/2011, 5:28:05 PM** **Rack 2, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.480244	ug/L	0.400782	83.5	10.5303
Al 237.312	7754.39	ug/L	24.7767	0.3	36422.5
As 188.980	2.61806	ug/L	0.673397	25.7	8.89531
B 249.678	13.0742	ug/L	0.725862	5.6	985.920
Ba 493.408	61.1133	ug/L	0.091302	0.1	161644
Be 313.042	0.313770	ug/L	0.000636	0.2	1571.56
Ca 373.690	15967.7	ug/L	36.8690	0.2	141800
Cd 214.439	0.618644	ug/L	0.011458	1.9	77.1937
Co 228.615	10.9262	ug/L	0.245442	2.2	210.549
Cr 267.716	21.8439	ug/L	0.221409	1.0	1604.57
Cu 327.395	12.2834	ug/L	0.157794	1.3	1120.22
Fe 273.955	14564.7	ug/L	62.1121	0.4	325623
K 404.721	2811.48	ug/L	589.623	21.0	85.2324
Li 610.365	0.404296	ug/L	0.012432	3.1	117.789
Mg 279.078	4266.36	ug/L	13.3270	0.3	34052.1
Mn 257.610	1128.77	ug/L	2.83973	0.3	478164
Mo 202.032	0.713058	ug/L	0.015501	2.2	25.7791
Na 330.237	15591.9	ug/L	36.9995	0.2	4330.51
Ni 216.555	12.3257	ug/L	0.066710	0.5	214.693
Pb 220.353	10.8872	ug/L	0.190008	1.7	106.591
Sb 217.582	-2.81001uv	ug/L	0.471781	16.8	4.14899
Se 196.026	-1.39398uv	ug/L	0.892298	64.0	4.32309
Si 251.611	8742.75	ug/L	140.588	1.6	57841.1
Si 288.158	8442.99	ug/L	6.00281	0.1	133330
Sn 189.925	0.671893	ug/L	0.169878	25.3	8.59462
Sr 421.552	60.6009	ug/L	0.154893	0.3	193770
Ti 336.122	460.894	ug/L	0.273041	0.1	154032
Tl 190.794	0.746698	ug/L	0.114883	15.4	4.04222
V 292.401	13.8574	ug/L	0.240010	1.7	876.003
Zn 202.548	63.1177	ug/L	0.124690	0.2	3318.39
Zr 339.198	1.40661	ug/L	0.255329	18.2	104.438

360-37881-d-2-a@2 (Samp) **12/2/2011, 5:31:01 PM** **Rack 2, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.590551	ug/L	0.730862	123.8	12.4553
Al 237.312	7875.41	ug/L	49.4871	0.6	36969.1
As 188.980	1.59035	ug/L	0.412096	25.9	7.01540
B 249.678	0.639477	ug/L	0.834541	130.5	787.640
Ba 493.408	91.3515	ug/L	0.479231	0.5	241511
Be 313.042	0.278600	ug/L	0.001314	0.5	1467.47
Ca 373.690	39371.0	ug/L	298.482	0.8	333667
Cd 214.439	6.12304	ug/L	0.013541	0.2	457.909
Co 228.615	6.25214	ug/L	0.304144	4.9	149.347
Cr 267.716	24.1458	ug/L	0.290668	1.2	1766.10
Cu 327.395	15.1515	ug/L	0.183716	1.2	1335.63
Fe 273.955	13907.9	ug/L	105.103	0.8	312250
K 404.721	3722.96	ug/L	184.115	4.9	110.332
Li 610.365	0.856168	ug/L	0.081363	9.5	176.250
Mg 279.078	5280.82	ug/L	34.1673	0.6	42079.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	3093.72	ug/L	19.3325	0.6	1310333
Mo 202.032	1.93614	ug/L	0.286276	14.8	40.6983
Na 330.237	59058.6	ug/L	246.474	0.4	16326.6
Ni 216.555	14.2811	ug/L	0.197359	1.4	240.630
Pb 220.353	11.9679	ug/L	0.263425	2.2	115.652
Sb 217.582	-3.58526uv	ug/L	0.361143	10.1	2.33392
Se 196.026	-5.53266uv	ug/L	1.08451	19.6	2.40062
Si 251.611	13300.0	ug/L	25.4641	0.2	87947.3
Si 288.158	13101.6	ug/L	46.0517	0.4	206630
Sn 189.925	0.621814	ug/L	0.232954	37.5	8.47020
Sr 421.552	141.158	ug/L	0.909088	0.6	451280
Ti 336.122	637.714	ug/L	2.94383	0.5	213105
Tl 190.794	3.17716	ug/L	0.024089	0.8	8.10625
V 292.401	13.9590	ug/L	0.136373	1.0	922.344
Zn 202.548	503.868	ug/L	11.2305	2.2	26069.5
Zr 339.198	2.63970	ug/L	0.152034	5.8	194.399

CCV (CCV) **12/2/2011, 5:36:53 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	968.473	ug/L	2.72860	0.3	11276.0	96.84734
Al 237.312	4993.75	ug/L	32.9713	0.7	23779.5	99.87502
As 188.980	980.776	ug/L	4.37963	0.4	1800.26	98.07759
B 249.678	931.424	ug/L	16.1240	1.7	32018.7	93.14240
Ba 493.408	965.607	ug/L	4.12068	0.4	2550653	96.56066
Be 313.042	998.084	ug/L	1.59146	0.2	4360605	99.80836
Ca 373.690	19996.4	ug/L	78.5883	0.4	174451	99.98194
Cd 214.439	986.075	ug/L	4.94414	0.5	68319.9	98.60754
Co 228.615	978.583	ug/L	4.68510	0.5	14043.6	97.85827
Cr 267.716	976.522	ug/L	5.46476	0.6	68597.1	97.65221
Cu 327.395	957.411	ug/L	1.30930	0.1	72172.3	95.74113
Fe 273.955	5005.68	ug/L	32.7527	0.7	118840	100.11352
K 404.721	20170.3	ug/L	380.821	1.9	571.152	100.85160
Li 610.365	4926.53	ug/L	2.07126	0.0	634935	98.53066
Mg 279.078	20255.6	ug/L	105.081	0.5	158004	101.27817
Mn 257.610	970.933	ug/L	5.11012	0.5	411621	97.09328
Mo 202.032	972.633	ug/L	20.8943	2.1	11840.4	97.26329
Na 330.237	20480.2	ug/L	43.4815	0.2	5646.33	102.40102
Ni 216.555	978.401	ug/L	3.56428	0.4	13751.2	97.84011
Pb 220.353	985.659	ug/L	3.91149	0.4	8241.83	98.56587
Sb 217.582	969.868	ug/L	8.53992	0.9	2308.37	96.98676
Se 196.026	967.815	ug/L	8.74017	0.9	923.169	96.78151
Si 251.611	992.277	ug/L	20.7234	2.1	7021.25	99.22772
Si 288.158	988.655	ug/L	14.3217	1.4	16443.6	98.86546
Sn 189.925	988.066	ug/L	10.0672	1.0	2804.49	98.80658
Sr 421.552	970.780	ug/L	5.96496	0.6	3081570	97.07796
Ti 336.122	971.884	ug/L	7.03607	0.7	324745	97.18839
Tl 190.794	979.405	ug/L	2.09931	0.2	1623.12	97.94047
V 292.401	977.058	ug/L	5.18159	0.5	55144.5	97.70585
Zn 202.548	986.484	ug/L	4.94914	0.5	51388.6	98.64842
Zr 339.198	974.396	ug/L	19.3451	2.0	71110.7	97.43964

CCB (CCB) **12/2/2011, 5:39:49 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.477088	ug/L	0.099161	20.8	3.67969	0.47709
Al 237.312	1.28582	ug/L	0.632544	49.2	22.4624	1.28582
As 188.980	1.21281	ug/L	1.07999	89.0	6.30794	1.21281
B 249.678	21.2108	ug/L	3.26135	15.4	828.278	21.21079
Ba 493.408	0.173126	ug/L	0.043650	25.2	684.539	0.17313
Be 313.042	0.117236	ug/L	0.017044	14.5	653.679	0.11724
Ca 373.690	4.32526	ug/L	0.462738	10.7	100.634	4.32526
Cd 214.439	0.118663	ug/L	0.081187	68.4	15.2462	0.11866
Co 228.615	0.429261	ug/L	0.153777	35.8	34.9271	0.42926
Cr 267.716	-0.177001uv	ug/L	0.068972	39.0	59.2959	-0.17700
Cu 327.395	0.263680	ug/L	0.095088	36.1	216.596	0.26368
Fe 273.955	2.49372	ug/L	0.226667	9.1	120.892	2.49372
K 404.721	912.013	ug/L	602.876	66.1	31.8262	912.01337
Li 610.365	-0.413223uv	ug/L	0.028464	6.9	11.7266	-0.41322
Mg 279.078	3.66941	ug/L	1.39012	37.9	53.3938	3.66941
Mn 257.610	0.242166	ug/L	0.050886	21.0	156.237	0.24217
Mo 202.032	13.3195	ug/L	0.586886	4.4	178.984	13.31950
Na 330.237	-38.4973uv	ug/L	8.65278	22.5	13.2192	-38.49732
Ni 216.555	0.225042	ug/L	0.110373	49.0	14.6975	0.22504
Pb 220.353	0.357893	ug/L	0.063736	17.8	19.7472	0.35789
Sb 217.582	0.478978	ug/L	0.546695	114.1	11.9260	0.47898
Se 196.026	2.09076	ug/L	1.42917	68.4	6.63681	2.09076
Si 251.611	1.96164	ug/L	1.32190	67.4	65.2297	1.96164
Si 288.158	0.236301uv	ug/L	2.27986	964.8	490.083	0.23630
Sn 189.925	0.401454	ug/L	0.545154	135.8	7.75547	0.40145
Sr 421.552	0.133228	ug/L	0.021696	16.3	477.825	0.13323
Ti 336.122	0.624922	ug/L	0.105332	16.9	264.199	0.62492
Tl 190.794	1.70498	ug/L	0.815851	47.9	5.43581	1.70498
V 292.401	0.143246	ug/L	0.097493	68.1	47.3240	0.14325
Zn 202.548	0.064346	ug/L	0.003891	6.0	36.2853	0.06435
Zr 339.198	0.568021	ug/L	0.109686	19.3	43.3535	0.56802

CCV (CCV) **12/2/2011, 7:13:55 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	988.955	ug/L	2.10751	0.2	11512.2	98.89546
Al 237.312	5120.79	ug/L	20.1947	0.4	24369.3	102.41583
As 188.980	992.729	ug/L	2.00415	0.2	1822.16	99.27290
B 249.678	962.073	ug/L	15.0306	1.6	33066.6	96.20734
Ba 493.408	988.008	ug/L	3.98084	0.4	2609821	98.80078
Be 313.042	988.995	ug/L	11.2504	1.1	4320919	98.89952
Ca 373.690	20404.3	ug/L	81.3270	0.4	177898	102.02165
Cd 214.439	998.945	ug/L	4.86231	0.5	69211.6	99.89455
Co 228.615	996.114	ug/L	4.75346	0.5	14295.0	99.61143
Cr 267.716	988.716	ug/L	1.17084	0.1	69452.8	98.87160
Cu 327.395	983.375	ug/L	6.40639	0.7	74123.9	98.33751
Fe 273.955	5121.83	ug/L	25.2884	0.5	121511	102.43657
K 404.721	20162.1	ug/L	394.115	2.0	570.971	100.81064
Li 610.365	5010.39	ug/L	2.74418	0.1	645741	100.20772
Mg 279.078	20630.6	ug/L	90.3149	0.4	160846	103.15280

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	990.163	ug/L	4.05499	0.4	419772	99.01634
Mo 202.032	995.408	ug/L	20.1060	2.0	12117.2	99.54076
Na 330.237	20709.3	ug/L	13.2776	0.1	5708.98	103.54626
Ni 216.555	987.291	ug/L	4.18800	0.4	13876.9	98.72906
Pb 220.353	1005.51	ug/L	3.71033	0.4	8407.48	100.55097
Sb 217.582	987.668	ug/L	0.467233	0.0	2350.53	98.76680
Se 196.026	984.015	ug/L	6.82144	0.7	938.545	98.40154
Si 251.611	1008.54	ug/L	15.4968	1.5	7139.50	100.85368
Si 288.158	1007.49	ug/L	12.2988	1.2	16748.5	100.74924
Sn 189.925	999.330	ug/L	4.47047	0.4	2836.39	99.93301
Sr 421.552	989.664	ug/L	3.26182	0.3	3141515	98.96644
Ti 336.122	1000.38	ug/L	5.51620	0.6	334264	100.03770
Tl 190.794	989.539	ug/L	9.34685	0.9	1639.97	98.95393
V 292.401	998.612	ug/L	3.34939	0.3	56360.3	99.86119
Zn 202.548	997.772	ug/L	2.82683	0.3	51984.3	99.77717
Zr 339.198	988.447	ug/L	8.07830	0.8	72136.1	98.84470

CCB (CCB) **12/2/2011, 7:16:51 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.135325	ug/L	0.008583	6.3	-0.172363	0.13532
Al 237.312	3.39188	ug/L	1.57203	46.3	32.7205	3.39188
As 188.980	0.431156	ug/L	0.255655	59.3	4.87700	0.43116
B 249.678	20.8124	ug/L	3.24526	15.6	814.922	20.81240
Ba 493.408	0.223552	ug/L	0.031519	14.1	817.727	0.22355
Be 313.042	0.167768	ug/L	0.010190	6.1	874.337	0.16777
Ca 373.690	5.71587	ug/L	1.32998	23.3	113.715	5.71587
Cd 214.439	0.170666	ug/L	0.007016	4.1	18.8555	0.17067
Co 228.615	0.700552	ug/L	0.023861	3.4	38.8228	0.70055
Cr 267.716	-0.105203uv	ug/L	0.058366	55.5	64.3341	-0.10520
Cu 327.395	0.248957	ug/L	0.060978	24.5	215.497	0.24896
Fe 273.955	6.05599	ug/L	0.052639	0.9	207.956	6.05599
K 404.721	685.284	ug/L	497.361	72.6	25.6108	685.28375
Li 610.365	-0.501225uv	ug/L	0.002443	0.5	0.386719	-0.50122
Mg 279.078	5.35774	ug/L	1.22414	22.8	66.9343	5.35774
Mn 257.610	0.267578	ug/L	0.026167	9.8	167.031	0.26758
Mo 202.032	13.3516	ug/L	0.371532	2.8	179.374	13.35160
Na 330.237	-47.1462uv	ug/L	11.2738	23.9	10.8262	-47.14617
Ni 216.555	0.506338	ug/L	0.075580	14.9	18.5908	0.50634
Pb 220.353	0.337498	ug/L	0.015856	4.7	19.5767	0.33750
Sb 217.582	0.286184uv	ug/L	0.461490	161.3	11.4702	0.28618
Se 196.026	0.062191uv	ug/L	1.87628	3017.0	4.71350	0.06219
Si 251.611	6.34545	ug/L	0.519479	8.2	94.2782	6.34545
Si 288.158	4.33686	ug/L	0.229683	5.3	554.579	4.33686
Sn 189.925	1.38283	ug/L	0.011002	0.8	10.5341	1.38283
Sr 421.552	0.186703	ug/L	0.025503	13.7	647.613	0.18670
Ti 336.122	1.14908	ug/L	0.114683	10.0	439.312	1.14908
Tl 190.794	1.87899	ug/L	1.08291	57.6	5.72328	1.87899
V 292.401	-0.058408uv	ug/L	0.045752	78.3	35.9958	-0.05841
Zn 202.548	0.146081	ug/L	0.018371	12.6	40.4991	0.14608
Zr 339.198	0.670519	ug/L	0.039789	5.9	50.8335	0.67052

ICSA (ICSA) **12/2/2011, 7:19:48 PM** **Rack 4, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.310109	ug/L	0.567268	182.9	3.61475	0.31011
Al 237.312	115085	ug/L	403.465	0.4	44465550	84.80469K
As 188.980	0.688607uv	ug/L	1.09287	158.7	5.34851	0.68861
B 249.678	8.91487	ug/L	0.382485	4.3	409.451	8.91487
Ba 493.408	1.02817	ug/L	0.021731	2.1	2942.95	1.02817
Be 313.042	0.022167	ug/L	0.000382	1.7	761.854	0.02217
Ca 373.690	103255	ug/L	512.371	0.5	79273432	55.41406K
Cd 214.439	-0.914448	ug/L	0.087095	9.5	120.395	-0.91445
Co 228.615	-1.14756	ug/L	0.164800	14.4	77.8059	-1.14756
Cr 267.716	0.188839	ug/L	0.033684	17.8	84.9678	0.18884
Cu 327.395	0.834395	ug/L	0.014712	1.8	259.572	0.83440
Fe 273.955	115833	ug/L	344.074	0.3	20903605	833.03906K
K 404.721	1252.34	ug/L	101.351	8.1	48.4277	1252.34302
Li 610.365	1.46162	ug/L	0.082692	5.7	259.746	1.46162
Mg 279.078	108262	ug/L	530.982	0.5	74273982	62.13281K
Mn 257.610	-2.58685	ug/L	0.024427	0.9	746.458	-2.58685
Mo 202.032	2.66125	ug/L	0.411428	15.5	49.6362	2.66125
Na 330.237	103.273	ug/L	56.2618	54.5	52.2271	103.27287
Ni 216.555	-5.19606	ug/L	0.032449	0.6	137.994	-5.19606
Pb 220.353	-2.97892uv	ug/L	0.337422	11.3	-14.6691	-2.97892
Sb 217.582	-1.50772uv	ug/L	0.757352	50.2	7.23163	-1.50772
Se 196.026	-3.52863uv	ug/L	1.03259	29.3	0.266296	-3.52863
Si 251.611	5.20595	ug/L	0.455038	8.7	86.3043	5.20595
Si 288.158	6.94326	ug/L	0.844561	12.2	594.978	6.94326
Sn 189.925	-0.605973uv	ug/L	0.686347	113.3	6.50844	-0.60597
Sr 421.552	-2.02925	ug/L	0.000818	0.0	1807.65	-2.02925
Ti 336.122	0.361468	ug/L	0.015721	4.3	176.185	0.36147
Tl 190.794	-0.461672uv	ug/L	0.732597	158.7	2.24057	-0.46167
V 292.401	-2.84623	ug/L	0.214353	7.5	87.3987	-2.84623
Zn 202.548	1.45151	ug/L	0.417116	28.7	249.587	1.45151
Zr 339.198	1.63910	ug/L	0.263656	16.1	119.023	1.63910

ICSAB (ICSAB) **12/2/2011, 7:22:44 PM** **Rack 4, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	484.506	ug/L	2.49697	0.5	5636.01	80.75097
Al 237.312	104891	ug/L	951.208	0.9	406522	104.89082
As 188.980	1583.71	ug/L	14.3085	0.9	2903.72	79.18537G
B 249.678	5.82387	ug/L	0.146735	2.5	345.506	-
Ba 493.408	471.382	ug/L	3.68894	0.8	1245274	78.56370G
Be 313.042	161.675	ug/L	1.45961	0.9	707111	80.83754
Ca 373.690	92694.8	ug/L	811.239	0.9	725096	92.69479
Cd 214.439	468.051	ug/L	2.81181	0.6	32590.2	78.00857G
Co 228.615	464.646	ug/L	3.10999	0.7	6726.19	77.44098G
Cr 267.716	468.753	ug/L	3.78115	0.8	32965.4	78.12542G
Cu 327.395	486.277	ug/L	4.56098	0.9	36752.9	81.04623
Fe 273.955	106243	ug/L	827.608	0.8	1924723	106.24264
K 404.721	35053.0	ug/L	112.438	0.3	1004.59	87.63246
Li 610.365	1.43271	ug/L	0.085050	5.9	255.477	-
Mg 279.078	96822.0	ug/L	697.749	0.7	675511	96.82196

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	306.876	ug/L	2.26765	0.7	131641	76.71889G
Mo 202.032	0.590312	ug/L	0.219259	37.1	24.4438	-
Na 330.237	10.5556uv	ug/L	6.91123	65.5	9.19043	-
Ni 216.555	455.968	ug/L	2.99245	0.7	6679.42	75.99463G
Pb 220.353	1548.98	ug/L	7.81175	0.5	12937.2	77.44919G
Sb 217.582	858.732	ug/L	7.51922	0.9	2043.72	85.87325
Se 196.026	787.872	ug/L	11.9348	1.5	750.990	78.78725G
Si 251.611	-18.8243	ug/L	0.023845	0.1	68.7382	-
Si 288.158	-17.4131	ug/L	1.50752	8.7	568.421	-
Sn 189.925	3.21320	ug/L	0.253784	7.9	17.1764	-
Sr 421.552	-1.91088	ug/L	0.001519	0.1	1486.19	-
Ti 336.122	0.346590	ug/L	0.041232	11.9	171.385	-
Tl 190.794	1513.47	ug/L	26.2525	1.7	2497.75	75.67360G
V 292.401	473.303	ug/L	4.19562	0.9	26886.6	78.88386G
Zn 202.548	457.526	ug/L	12.6741	2.8	23997.2	76.25426G
Zr 339.198	6.11667	ug/L	0.493622	8.1	446.012	-

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Westfield
Hg Data Review Checklist

Run Date: 12/7/11 **Instrument:** Model PS200, Leeman Lab

Batch(es): 84440, 84448

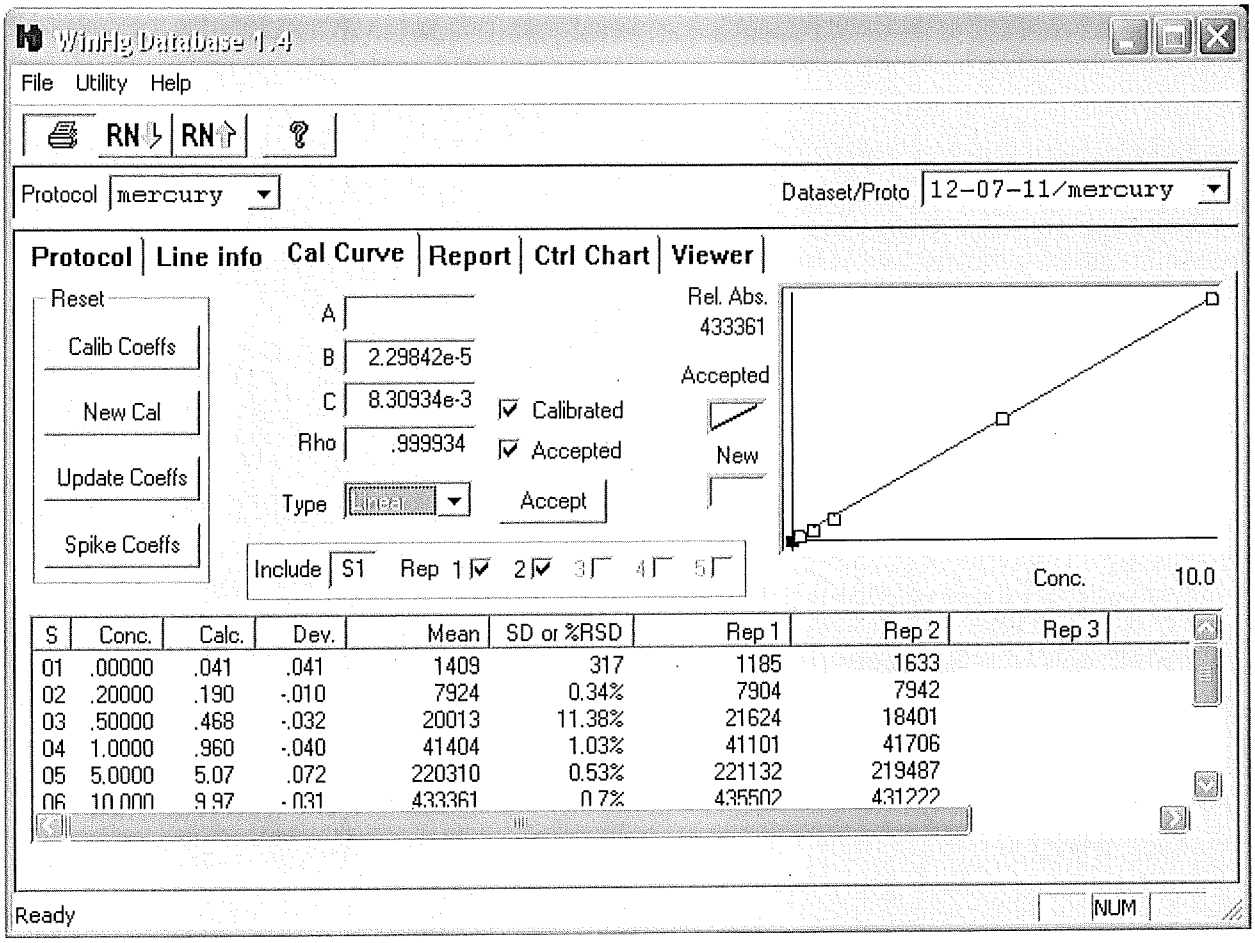
Circle Method(s) Performed: **7470A / 245.1** **7471**

Primary Analyst: EW Date: 12/7/11

2nd Level Reviewer: _____ Date: _____

A. Calibration/Instrument Run QC	Yes	No	N/A
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels? "r" ≥ 0.995?	✓		
2. Instrument Performance Check beginning of run? 245.1: ±5%	✓		
3. ICV/CCV analyzed at appropriate frequency (every 10 samples) and within control limits? 245.1: ±5% ICV, ±10% CCV; 7470/71:±10% ICV, ±20% CCV	✓		
4. ICB/CCB analyzed at appropriate frequency (every 10 samples) and within < Report Limit?	✓		
B. Sample Results			
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed? (dilute to mid-pt of curve)	✓		
2. All reported results bracketed by in control QC?	✓		
3. Sample analyses done within holding time (28days)? If not, NCM generated?	✓		
C. Preparation/Matrix QC			
1. LCS done per prep batch and within QC limits? 245.1: 85-115%, 7470: 80-120%	✓		
2. LCSD RPD aqueous 20%	✓		
3. LCSSRM/LCSDSRM (soil) manufactures limits, RPD 30%			✓
4. Method blank done per prep batch < RL	✓		
5. MS run at required frequency and within limits? 245.1: 1 per 10 field samples, 70-130%; 7470/71, 1:20, 75-125%	✓		
6. MSD or DU run at required frequency and RPD within limits aqueous ≤20%, solids ≤35%	✓		
D. Other			
1. Are all non-conformances documented appropriately?	✓		
2. Current MDL data on file? Annual LOD verification complete?	✓		
3. Calculations and transcriptions checked for error?	✓		
4. All client / project specific requirements met?	✓		
5. L4 data copied and attached to batch if required?	✓		
6. Date of analysis correct as reported in batch?	✓		

Comments:


WinHg Database 1.4
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RN RN
Protocol mercury
Dataset/Proto 12-07-11/mercury
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
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New Cal
Update Coeffs
Spike Coeffs
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B 2.29842e-5
C 8.30934e-3
Rho .999934
Type
Calibrated
Accepted
Accept
Rel. Abs.
433361
Accepted
New
Include S1 Rep 1 2 3 4 5
Conc. 10.0
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
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02 .20000 .190 -.010 7924 0.34% 7904 7942
03 .50000 .468 -.032 20013 11.38% 21624 18401
04 1.0000 .960 -.040 41404 1.03% 41101 41706
05 5.0000 5.07 .072 220310 0.53% 221132 219487
06 10.000 9.97 -.031 433361 0.7% 435502 431222
Ready
NUM

cup	sample ID	extended ID	weight	volume	? A D F P S U SC UI US C1..7
1	MB	84364	1.0000	1.0000	
2	LCS		1.0000	1.0000	
3	LCSD		1.0000	1.0000	
4	37890A1B		1.0000	1.0000	
5	37890A1C	DU	1.0000	1.0000	
6	37890A1D	MS	1.0000	1.0000	
7	37876E2C		1.0000	1.0000	
8	37876F2A		1.0000	1.0000	
9	37933E5C		1.0000	1.0000	
10	37933F5A		1.0000	1.0000	C4 C1
11	37933E6C		1.0000	1.0000	
12	37933F6A		1.0000	1.0000	
13	37933E7C		1.0000	1.0000	
14	37933E8C		1.0000	1.0000	
15	37933F8A		1.0000	1.0000	
16	37936A4A		1.0000	1.0000	
17	LB		1.0000	1.0000	
18	37848A1F		1.0000	1.0000	
19	37848A2F		1.0000	1.0000	
20	37848A3E		1.0000	1.0000	C4 C1
21	37848A4F		1.0000	1.0000	
22	37848A5E		1.0000	1.0000	
23	37848A6H		1.0000	1.0000	
24	37848A6I	MS	1.0000	1.0000	
25	37915A1B		1.0000	1.0000	
26	MB	84367	1.0000	1.0000	
27	LCS		1.0000	1.0000	
28	LCSD		1.0000	1.0000	
29	37944A1B		1.0000	1.0000	
30	37944A1C	DU	1.0000	1.0000	C4 C1
31	37944A1D	MS	1.0000	1.0000	
32	37944A2B		1.0000	1.0000	
33	37869A1B		1.0000	1.0000	
34	37911B2B		1.0000	1.0000	
35	37914A1B		1.0000	1.0000	
36	37918C1C		1.0000	1.0000	
37	37946A1B		1.0000	1.0000	C4 C1
38	MB	84431	1.0000	1.0000	
39	LCS		1.0000	1.0000	
40	LCSD		1.0000	1.0000	
41	37900C4D		1.0000	1.0000	
42	37900C4E	MS	1.0000	1.0000	
43	37900C4F	MSD	1.0000	1.0000	
44	37900C2B		1.0000	1.0000	

cup	sample ID	extended ID	weight	volume	? A D F P S U SC UI US C1..7
1	37900C3B		1.0000	1.0000	C4 C1
2	37900C5B		1.0000	1.0000	
3	37900C6B		1.0000	1.0000	
4	37900C7B		1.0000	1.0000	
5	37900C8B		1.0000	1.0000	
6	37900C9B		1.0000	1.0000	
7	37881D1B		1.0000	1.0000	
8	37881D2B		1.0000	1.0000	
9	37881D3B		1.0000	1.0000	
10	37881D4B		1.0000	1.0000	
11	37991A1B		1.0000	1.0000	C4 C1
12	37913C1B		1.0000	1.0000	
13	37913C3B		1.0000	1.0000	
14	MB		1.0000	1.0000	
15	37894H1B		1.0000	1.0000	
16	37894H2B		1.0000	1.0000	
17	37894H3B		1.0000	1.0000	C4 C1
18			1.0000	1.0000	
19			1.0000	1.0000	
20			1.0000	1.0000	
21			1.0000	1.0000	
22			1.0000	1.0000	
23			1.0000	1.0000	
24			1.0000	1.0000	
25			1.0000	1.0000	
26			1.0000	1.0000	
27			1.0000	1.0000	
28			1.0000	1.0000	
29			1.0000	1.0000	
30			1.0000	1.0000	
31			1.0000	1.0000	
32			1.0000	1.0000	
33			1.0000	1.0000	
34			1.0000	1.0000	
35			1.0000	1.0000	
36			1.0000	1.0000	
37			1.0000	1.0000	
38			1.0000	1.0000	
39			1.0000	1.0000	
40			1.0000	1.0000	
41			1.0000	1.0000	
42			1.0000	1.0000	
43			1.0000	1.0000	
44			1.0000	1.0000	

mcf

Hg Standards

ICV: High Purity Standards
Lot # 1030115
Exp. May 4, 2012

Intermediate Std. 25 mg/L PrepDate/Lot#: 082911
Expiration Date: 022912

Working Standard: 0.1 mg/L Prep Date/Lot#: 120611
Expiration Date: 121111

ICV Standard (5 ug/L): Prep Date/Lot#: 120711
Expiration Date: 120811

IPC: Spex Certi-Prep
Lot # 16-81Hg
Exp. March 30, 2012

Intermediate Std. 25 mg/L PrepDate/Lot#: 082911
Expiration Date: 022912

Working Standard: 0.1 mg/L Prep Date/Lot#: 120611
Expiration Date: 121111

IPC/CCV Standard (5 ug/L): Prep Date/Lot#: 120711
Expiration Date: 120811

Calibration Standards (Water):

Cal. Std. 1	0.2 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 2	0.5 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 3	1.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 4	5.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 5	10.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811

Calibration Standards (Soil):

Cal. Std. 1	0.2 ug/L	Prep Date/Lot #:	120611	Expires:	120711
Cal. Std. 2	0.5 ug/L	Prep Date/Lot #:	120611	Expires:	120711
Cal. Std. 3	1.0 ug/L	Prep Date/Lot #:	120611	Expires:	120711
Cal. Std. 4	5.0 ug/L	Prep Date/Lot #:	120611	Expires:	120711
Cal. Std. 5	10.0 ug/L	Prep Date/Lot #:	120611	Expires:	120711

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 10:40:04 07 Dec 11 HG

Hg .000 ppb 1185

*** Standard: 1 Rep: 2 Seq: 1 10:41:45 07 Dec 11 HG

Hg .000 ppb 1633

*** Standard: 2 Rep: 1 Seq: 2 10:43:51 07 Dec 11 HG

Hg .200 ppb 7904

*** Standard: 2 Rep: 2 Seq: 3 10:45:34 07 Dec 11 HG

Hg .200 ppb 7942

*** Standard: 3 Rep: 1 Seq: 4 10:47:16 07 Dec 11 HG

Hg .500 ppb 21623

*** Standard: 3 Rep: 2 Seq: 5 10:49:10 07 Dec 11 HG

Hg .500 ppb 18401

*** Standard: 4 Rep: 1 Seq: 6 10:50:54 07 Dec 11 HG

Hg 1.00 ppb 41100

*** Standard: 4 Rep: 2 Seq: 7 10:53:06 07 Dec 11 HG

Hg 1.00 ppb 41706

*** Standard: 5 Rep: 1 Seq: 8 10:54:49 07 Dec 11 HG

Hg 5.00 ppb 221131

*** Standard: 5 Rep: 2 Seq: 9 10:57:02 07 Dec 11 HG

Hg 5.00 ppb 219487

*** Standard: 6 Rep: 1 Seq: 10 10:58:48 07 Dec 11 HG

Hg 10.0 ppb 435501

*** Standard: 6 Rep: 2 Seq: 11 11:00:34 07 Dec 11 HG

Hg 10.0 ppb 431222

*** Check Standard: 2 Ck2ICV Seq: 12 11:05:33 07 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	5.06	5.00	ppb	.000

*** Check Standard: 3 Ck3IPC Seq: 13 11:07:39 07 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.	5.01	5.00	ppb	.000

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Check Standard: 5  Ck5ICB       Seq:  14      11:09:23 07 Dec 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          29.2     .029    .100   ppb         .000

*** Sample ID: MB                   Seq:  15      11:11:04 07 Dec 11   HG
                          84364
Hg   -.145    ppb        .000      -.145

*** Sample ID: LCS                  Seq:  16      11:12:54 07 Dec 11   HG

Hg    4.84    ppb        .000       4.84

*** Sample ID: LCSD                 Seq:  17      11:15:07 07 Dec 11   HG

Hg    4.67    ppb        .000       4.67

*** Sample ID: 37890A1B             Seq:  18      11:17:08 07 Dec 11   HG

Hg    .164    ppb        .000       .164

*** Sample ID: 37890A1C             Seq:  19      11:19:10 07 Dec 11   HG
                            DU
Hg    .004    ppb        .000       .004

*** Sample ID: 37890A1D             Seq:  20      11:20:52 07 Dec 11   HG
                           MS
Hg    4.40    ppb        .000       4.40

*** Sample ID: 37876E2C             Seq:  21      11:22:34 07 Dec 11   HG

Hg   -.094    ppb        .000      -.094

*** Sample ID: 37876F2A             Seq:  22      11:24:15 07 Dec 11   HG

Hg   -.110    ppb        .000      -.110

*** Sample ID: 37933E5C             Seq:  23      11:26:00 07 Dec 11   HG

Hg    .050    ppb        .000       .050

*** Sample ID: 37933F5A             Seq:  24      11:28:14 07 Dec 11   HG

Hg    .021    ppb        .000       .021

*** Check Standard: 4  Ck4CCV       Seq:  25      11:30:06 07 Dec 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.1     4.95    5.00   ppb         .000

*** Check Standard: 1  Ck1CCB       Seq:  26      11:32:29 07 Dec 11   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .036     .100     ppb         .000

*** Sample ID: 37933E6C             Seq:  27      11:34:11 07 Dec 11   HG

Hg    .007    ppb        .000       .007
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MB					Seq: 60	12:59:45 07 Dec 11		HG
			84431					
Hg	-.032	ppb	.000	-.032				
*** Sample ID: LCS					Seq: 61	13:01:39 07 Dec 11		HG
Hg	2.96	ppb	.000	2.96				
*** Sample ID: LCS					Seq: 62	13:06:25 07 Dec 11		HG
Hg	4.74	ppb	.000	4.74				
*** Sample ID: LCSD					Seq: 63	13:08:17 07 Dec 11		HG
Hg	4.77	ppb	.000	4.77				
*** Sample ID: 37900C4D					Seq: 64	13:10:19 07 Dec 11		HG
Hg	.020	ppb	.000	.020				
*** Sample ID: 37900C4E					Seq: 65	13:12:01 07 Dec 11		HG
			MS					
Hg	2.51	ppb	.000	2.51				
*** Sample ID: 37900C4E					Seq: 66	13:16:05 07 Dec 11		HG
			MS					
Hg	4.61	ppb	.000	4.61				
*** Sample ID: 37900C4F					Seq: 67	13:20:42 07 Dec 11		HG
			MSD					
Hg	4.67	ppb	.000	4.67				
*** Sample ID: 37900C2B					Seq: 68	13:22:24 07 Dec 11		HG
Hg	.075	ppb	.000	.075				
*** Sample ID: 37900C3B					Seq: 69	13:24:19 07 Dec 11		HG
Hg	-.037	ppb	.000	-.037				

*** Check Standard: 4 Ck4CCV Seq: 70 13:26:21 07 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	5.08	5.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 71 13:28:26 07 Dec 11 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg	L	-.162	.100	ppb	.000

*** Sample ID: 37900C5B					Seq: 72	13:30:23 07 Dec 11		HG
Hg	.034	ppb	.000	.034				
*** Sample ID: 37900C6B					Seq: 73	13:32:05 07 Dec 11		HG
Hg	.147	ppb	.000	.147				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 37900C7B Seq: 74 13:33:52 07 Dec 11 HG

Hg .072 ppb .000 .072

*** Sample ID: 37900C8B Seq: 75 13:35:36 07 Dec 11 HG

Hg .001 ppb .000 .001

*** Sample ID: 37900C9B Seq: 76 13:37:49 07 Dec 11 HG

Hg -.092 ppb .000 -.092

*** Sample ID: 37881D1B Seq: 77 13:39:33 07 Dec 11 HG

Hg .706 ppb .000 .706

*** Sample ID: 37881D2B Seq: 78 13:41:57 07 Dec 11 HG

Hg .123 ppb .000 .123

*** Sample ID: 37881D3B Seq: 79 13:43:50 07 Dec 11 HG

Hg .003 ppb .000 .003

*** Sample ID: 37881D4B Seq: 80 13:45:33 07 Dec 11 HG

Hg .303 ppb .000 .303

*** Sample ID: 37991A1B Seq: 81 13:47:27 07 Dec 11 HG

Hg .099 ppb .000 .099

*** Check Standard: 4 Ck4CCV Seq: 82 13:49:30 07 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.3	4.91	5.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 83 13:51:26 07 Dec 11 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.061	.100	ppb	.000

*** Sample ID: 37913C1B Seq: 84 13:53:11 07 Dec 11 HG

Hg .067 ppb .000 .067

*** Sample ID: 37913C3B Seq: 85 13:54:55 07 Dec 11 HG

Hg .052 ppb .000 .052

*** Sample ID: MB Seq: 86 13:57:22 07 Dec 11 HG

Hg .030 ppb .000 .030

*** Sample ID: 37894H1B Seq: 87 14:00:47 07 Dec 11 HG

Hg .074 ppb .000 .074

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 37894H2B Seq: 88 14:02:30 07 Dec 11 HG

Hg	.026	ppb	.000	.026

*** Sample ID: 37894H3B Seq: 89 14:04:26 07 Dec 11 HG

Hg	.058	ppb	.000	.058

*** Check Standard: 4 Ck4CCV Seq: 90 14:06:24 07 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	5.04	5.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 91 14:08:08 07 Dec 11 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.042	.100	ppb	.000

METALS BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Batch Number: 84196 Batch Start Date: 12/02/11 08:30 Batch Analyst: Gutul, Olga

Batch Method: 3010A Batch End Date: 12/02/11 12:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	stlma-3 00060	stlma2 00053		
MB 360-84196/1		3010A, 6010B		50 mL	50 mL				
LCS 360-84196/2		3010A, 6010B		50 mL	50 mL	0.5 mL	0.5 mL		
LCSD 360-84196/3		3010A, 6010B		50 mL	50 mL	0.5 mL	0.5 mL		
360-37900-C-4	BC-GW-MW06-120111	3010A, 6010B	T	50 mL	50 mL				
360-37900-C-4 MS	BC-GW-MW06-120111	3010A, 6010B	T	50 mL	50 mL	0.5 mL	0.5 mL		
360-37900-C-4 MSD	BC-GW-MW06-120111	3010A, 6010B	T	50 mL	50 mL	0.5 mL	0.5 mL		
360-37900-C-2	BC-GW-MWDUP01-120111	3010A, 6010B	T	50 mL	50 mL				
360-37900-C-3	BC-GW-MW25-120111	3010A, 6010B	T	50 mL	50 mL				
360-37900-C-5	BC-GW-MW301-120111	3010A, 6010B	T	50 mL	50 mL				
360-37900-C-6	BC-GW-MW200A-120111	3010A, 6010B	T	50 mL	50 mL				
360-37900-C-7	BC-GW-MW302-120111	3010A, 6010B	T	50 mL	50 mL				
360-37900-C-8	BC-GW-MW304-120111	3010A, 6010B	T	50 mL	50 mL				
360-37900-C-9	BC-GW-MW305-120111	3010A, 6010B	T	50 mL	50 mL				

Batch Notes	
Lot # of hydrochloric acid	692887
Lot # of Nitric Acid	688009
Hot Block ID number	2
Oven, Bath or Block Temperature 1	95 Degrees C

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37900-1

SDG No.: 360-37900

Batch Number: 84431 Batch Start Date: 12/07/11 10:00 Batch Analyst: Gutul, Olga

Batch Method: 7470A Batch End Date: 12/07/11 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	METHG1mg/L 00788			
MB 360-84431/1		7470A, 7470A		10 mL	10 mL				
LCS 360-84431/2		7470A, 7470A		10 mL	10 mL	50 uL			
LCSD 360-84431/3		7470A, 7470A		10 mL	10 mL	50 uL			
360-37900-C-4	BC-GW-MW06-120111	7470A, 7470A	T	10 mL	10 mL				
360-37900-C-4 MS	BC-GW-MW06-120111	7470A, 7470A	T	10 mL	10 mL	50 uL			
360-37900-C-4 MSD	BC-GW-MW06-120111	7470A, 7470A	T	10 mL	10 mL	50 uL			
360-37900-C-2	BC-GW-MWDUP01-120111	7470A, 7470A	T	10 mL	10 mL				
360-37900-C-3	BC-GW-MW25-120111	7470A, 7470A	T	10 mL	10 mL				
360-37900-C-5	BC-GW-MW301-120111	7470A, 7470A	T	10 mL	10 mL				
360-37900-C-6	BC-GW-MW200A-120111	7470A, 7470A	T	10 mL	10 mL				
360-37900-C-7	BC-GW-MW302-120111	7470A, 7470A	T	10 mL	10 mL				
360-37900-C-8	BC-GW-MW304-120111	7470A, 7470A	T	10 mL	10 mL				
360-37900-C-9	BC-GW-MW305-120111	7470A, 7470A	T	10 mL	10 mL				

Batch Notes	
Sulfuric Acid Lot Number	692895
Lot # of Nitric Acid	688009
Hood ID or number	1
Potassium Permanganate Lot Number	678771
Temperature	95

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 360-37900-1
SDG Number: 360-37900

Login Number: 37900
List Number: 1
Creator: Ard, Vanessa L

List Source: TestAmerica Westfield

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information
Client Contact: Keith Westberry
Company: ETech
Address: PO BOX 2426
City: Lindale
State, Zip: TX 75771
Phone: 903 881-8309
Email: Keith@Etech.com
Project Name/number: Boston + Corbin
Site: Southington CT

Sampler: R Clark
Phone: 8606173948
Due Date Requested: Contact
TAT Requested (days): Keith
Quote #:
PO #:
WO #:
SSOW#:

Lab PM:
E-Mail:
Carrier Tracking No(s):

COC No:
Page:
Job #:

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
H - Ascorbic Acid
I - Ice
J - DI Water
M - Hexane
N - None
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
Z - other (specify)

Regulatory programs:
MCP ☐ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC (A)	EPH (A)	RCRA 8 total Metals (D)	Total Number of containers	Special Instructions/Note:
	Preservation Code:											
BC-TB-GW-120111	12-7-11	0800	G	W				✓				
BC-GW-MWDUP01-120111		0000	G	W				✓	✓	✓		
BC-GW-MW25-120111		1220						✓	✓	✓		
BC-GW-MW06-120111		1045						✓	✓	✓		LAB QC-MS/MSD
BC-GW-MW301-120111		1215						✓	✓	✓		
BC-GW-MW200A-120111		0845						✓	✓	✓		
BC-GW-MW302-120111		1031						✓	✓	✓		
BC-GW-MW304-120111		1410						✓	✓	✓		
BC-GW-MW305-120111	✓	1450	✓	✓				✓	✓	✓		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	12/1/11 1530			12/1/11 1530	TA
Relinquished by:	12/1/11 1705	TA		12/1/11 1705	
Relinquished by:			Received by:		

Custody Seals Intact: △ Yes △ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2 / 0.7 / ice

WI-QA-010-rev 6 0511

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 360-37913-1

Job Description: Beaton & Corbin Factory Site

For:
Etech Environmental & Safety Solutions
14395 County Road 434
Lindale, TX 75771

Attention: Mr. Keith Westberry



Approved for release.
Chris F Reynolds
QA Manager
12/16/2011 3:43 PM

Designee for
Lisa A Worthington
Project Manager II
lisa.worthington@testamericainc.com
12/16/2011

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, NELAP NH DES 2539, NELAP NY 10843, NY ELAP 10843, North Carolina 647. 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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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Etech**
Project Location:	**Beaton & Corbin, Southington CT**	***Project Number:***	**360-37913-1**
Laboratory Sample ID (s):	**360-37913-1 [1-3]**	***Sampling Date (s):***	**12/1/11**
Method:	**8260B, MAEPH, 6010B, 7470**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes √	N/A	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes		No √
	b) Were these reporting limits met?	Yes	N/A √	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

This Certification form is to be used for RCP methods only

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

Authorized Signature:  Position: Laboratory Director

Printed Name: Steve Hartmann Date: 12/16/11 15:39

The certification form has been electronically signed and approved. Updated Nov 2007

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With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

RECEIPT

The samples were received on 12/02/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.1 C.

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within the method's specified temperature range or for general analysis, ranging from 6°C to just above the freezing temperature of water. Samples that are hand delivered, immediately following collection, may not meet these criteria; however, they will be considered acceptable according to NELAC and State standards, if there is evidence that the chilling process has begun, such as stored and transported to the laboratory on ice.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples BC-RB-120111 (360-37913-1), BC-TB-GW-120111A (360-37913-2) and BC-GW-MW303-120111 (360-37913-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B (RCP). The samples were analyzed on 12/06/2011.

The continuing calibration verification (CCV) for analytical batch 84387 exceeded control criteria for Carbon Tetrachloride (high).

Carbon disulfide and Carbon tetrachloride failed the recovery criteria high for LCS 360-84387/3. Refer to the QC report for details.

Sample BC-GW-MW303-120111 (360-37913-3)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS - LOW LEVEL

Samples BC-RB-120111 (360-37913-1) and BC-GW-MW303-120111 (360-37913-3) were analyzed for extractable petroleum hydrocarbons - low level in accordance with MA DEP MA-EPH-LL. The samples were prepared on 12/08/2011 and analyzed on 12/14/2011.

The samples submitted for MA DEP EPH analysis were received with sufficient preservation (pH <2). According to EPH method reference 11.2.6.2, using GC/MS, the laboratory has identified a single component contaminant that appears at the same retention time in all laboratory and field samples. This contaminant is derived from the method's SPE cartridge and is not included in the calculation of the C11-C22 Aromatics range.

n-Decane failed the recovery criteria low for LCS 360-84516/2-A. Refer to the QC report for details.

Dodecane, n-Decane and n-Nonane failed the recovery criteria low for the MS and MSD of sample 360-37900-4 in batch 360-84720. Refer to the QC report for details.

No other difficulties were encountered during the EPH - low level analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples BC-RB-120111 (360-37913-1) and BC-GW-MW303-120111 (360-37913-3) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 12/05/2011.

At the request of the client, an abbreviated MCP analyte list (EPA RCRA 8 vs. WSC CAM III-A) was reported for this job)

No difficulties were encountered during the total metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples BC-RB-120111 (360-37913-1) and BC-GW-MW303-120111 (360-37913-3) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A (RCP). The samples were prepared and analyzed on 12/07/2011.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-37913-1	BC-RB-120111	Water	12/01/2011 1545	12/02/2011 0945
360-37913-2	BC-TB-GW-120111A	Water	12/01/2011 1500	12/02/2011 0945
360-37913-3	BC-GW-MW303-120111	Water	12/01/2011 1600	12/02/2011 0945

EXECUTIVE SUMMARY - Detections

Client: Etech Environmental & Safety Solutions Job Number: 360-37913-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
360-37913-1	**BC-RB-120111**					
Methylene Chloride		6.3		2.0	ug/L	8260B
360-37913-3	**BC-GW-MW303-120111**					
1,1,1-Trichloroethane		16		10	ug/L	8260B
Trichloroethene		160		10	ug/L	8260B
Barium		76		10	ug/L	6010B
Chromium		190		5.0	ug/L	6010B

METHOD SUMMARY

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Purge and Trap	TAL WFD		SW846 5030B
Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)	TAL WFD	MA DEP MA-EPH-LL	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Total Metals	TAL WFD		SW846 3010A
Mercury (CVAA)	TAL WFD	SW846 7470A	
Preparation, Mercury	TAL WFD		SW846 7470A

Lab References:

TAL WFD = TestAmerica Westfield

Method References:

MA DEP = Massachusetts Department Of Environmental Protection

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

METHOD / ANALYST SUMMARY

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Method	Analyst	Analyst ID
SW846 8260B	Hartmann, Tam	TH
MA DEP MA-EPH-LL	Malanowski, Victoria M	VMM
SW846 6010B	Smith, Tim J	TJS
SW846 7470A	Smith, Tim J	TJS

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-RB-120111**

Lab Sample ID: 360-37913-1 | Date Sampled: 12/01/2011 1545
Client Matrix: Water | Date Received: 12/02/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22883.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 2129			Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 2129				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-RB-120111**

Lab Sample ID: 360-37913-1 | Date Sampled: 12/01/2011 1545
Client Matrix: Water | Date Received: 12/02/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22883.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 2129			Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 2129				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	6.3		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	107		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-TB-GW-120111A**

Lab Sample ID: 360-37913-2 | Date Sampled: 12/01/2011 1500
Client Matrix: Water | Date Received: 12/02/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22884.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 2151			Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 2151				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND	*	10
Carbon tetrachloride	ND	*	1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0
Ethylbenzene	ND		1.0

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-TB-GW-120111A**

Lab Sample ID: 360-37913-2 | Date Sampled: 12/01/2011 1500
Client Matrix: Water | Date Received: 12/02/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22884.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 2151			Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 2151				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	107		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-GW-MW303-120111**

Lab Sample ID: 360-37913-3 | Date Sampled: 12/01/2011 1600
Client Matrix: Water | Date Received: 12/02/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22885.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 2212			Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 2212				

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		10
1,1,1-Trichloroethane	16		10
1,1,2,2-Tetrachloroethane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10
1,1,2-Trichloroethane	ND		10
1,1-Dichloroethane	ND		10
1,1-Dichloroethene	ND		10
1,1-Dichloropropene	ND		10
1,2,3-Trichlorobenzene	ND		10
1,2,3-Trichloropropane	ND		10
1,2,4-Trichlorobenzene	ND		10
1,2,4-Trimethylbenzene	ND		10
1,2-Dibromo-3-Chloropropane	ND		50
1,2-Dichlorobenzene	ND		10
1,2-Dichloroethane	ND		10
1,2-Dichloropropane	ND		10
1,3,5-Trimethylbenzene	ND		10
1,3-Dichlorobenzene	ND		10
1,3-Dichloropropane	ND		10
1,4-Dichlorobenzene	ND		10
2,2-Dichloropropane	ND		10
2-Butanone (MEK)	ND		100
2-Chlorotoluene	ND		10
2-Hexanone	ND		100
4-Chlorotoluene	ND		10
4-Isopropyltoluene	ND		10
4-Methyl-2-pentanone (MIBK)	ND		100
Acetone	ND		500
Acrylonitrile	ND		5.0
Benzene	ND		10
Bromobenzene	ND		10
Bromoform	ND		10
Bromomethane	ND		20
Carbon disulfide	ND	*	100
Carbon tetrachloride	ND	*	10
Chlorobenzene	ND		10
Chlorodibromomethane	ND		5.0
Chloroethane	ND		20
Chloroform	ND		10
Chloromethane	ND		20
cis-1,2-Dichloroethene	ND		10
cis-1,3-Dichloropropene	ND		4.0
Dibromomethane	ND		10
Dichlorobromomethane	ND		5.0
Dichlorodifluoromethane	ND		10
Ethylbenzene	ND		10

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-GW-MW303-120111**

Lab Sample ID: 360-37913-3 | Date Sampled: 12/01/2011 1600
Client Matrix: Water | Date Received: 12/02/2011 0945

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V22885.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 2212			Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 2212				

Analyte	Result (ug/L)	Qualifier	RL
Ethylene Dibromide	ND		10
Hexachlorobutadiene	ND		4.0
Isopropylbenzene	ND		10
m-Xylene & p-Xylene	ND		20
Methyl tert-butyl ether	ND		10
Methylene Chloride	ND		20
n-Butylbenzene	ND		10
N-Propylbenzene	ND		10
Naphthalene	ND		50
o-Xylene	ND		10
sec-Butylbenzene	ND		10
Styrene	ND		10
tert-Butylbenzene	ND		10
Tetrachloroethene	ND		10
Tetrahydrofuran	ND		100
Toluene	ND		10
trans-1,2-Dichloroethene	ND		10
trans-1,3-Dichloropropene	ND		4.0
trans-1,4-Dichloro-2-butene	ND		50
Trichloroethene	160		10
Trichlorofluoromethane	ND		10
Vinyl chloride	ND		5.0
Xylenes, Total	ND		10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	108		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-RB-120111**

Lab Sample ID: 360-37913-1 | Date Sampled: 12/01/2011 1545
Client Matrix: Water | Date Received: 12/02/2011 0945

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1025 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/14/2011 1128			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.98
Acenaphthylene	ND		0.29
Anthracene	ND		0.98
Benzo[a]anthracene	ND		0.29
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.29
Benzo[g,h,i]perylene	ND		0.49
Benzo[k]fluoranthene	ND		0.29
Chrysene	ND		0.98
Dibenz(a,h)anthracene	ND		0.44
Fluoranthene	ND		0.98
Fluorene	ND		0.98
Indeno[1,2,3-cd]pyrene	ND		0.44
2-Methylnaphthalene	ND		0.98
Naphthalene	ND		0.98
Phenanthrene	ND		0.20
Pyrene	ND		0.98
C11-C22 Aromatics	ND		98
C11-C22 Aromatics (Adjusted)	ND		98
C19-C36 Aliphatics	ND		98
C9-C18 Aliphatics	ND		98
Total EPH	ND		98

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	84		40 - 140
2-Fluorobiphenyl	83		40 - 140
o-Terphenyl	82		40 - 140
1-Chlorooctadecane	80		40 - 140

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-GW-MW303-120111**

Lab Sample ID: 360-37913-3 | Date Sampled: 12/01/2011 1600
Client Matrix: Water | Date Received: 12/02/2011 0945

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Analysis Method:	MA-EPH-LL	Analysis Batch:	360-84720	Instrument ID:	INST R
Prep Method:	3510C	Prep Batch:	360-84516	Initial Weight/Volume:	1010 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Analysis Date:	12/14/2011 1202			Injection Volume:	1 uL
Prep Date:	12/08/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		0.99
Acenaphthylene	ND		0.30
Anthracene	ND		0.99
Benzo[a]anthracene	ND		0.30
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.30
Benzo[g,h,i]perylene	ND		0.50
Benzo[k]fluoranthene	ND		0.30
Chrysene	ND		0.99
Dibenz(a,h)anthracene	ND		0.45
Fluoranthene	ND		0.99
Fluorene	ND		0.99
Indeno[1,2,3-cd]pyrene	ND		0.45
2-Methylnaphthalene	ND		0.99
Naphthalene	ND		0.99
Phenanthrene	ND		0.20
Pyrene	ND		0.99
C11-C22 Aromatics	ND		99
C11-C22 Aromatics (Adjusted)	ND		99
C19-C36 Aliphatics	ND		99
C9-C18 Aliphatics	ND		99
Total EPH	ND		99

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Bromonaphthalene	82		40 - 140
2-Fluorobiphenyl	80		40 - 140
o-Terphenyl	80		40 - 140
1-Chlorooctadecane	83		40 - 140

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-RB-120111**

Lab Sample ID: 360-37913-1 | Date Sampled: 12/01/2011 1545
Client Matrix: Water | Date Received: 12/02/2011 0945

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84357	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84282	Lab File ID:	120511a.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/05/2011 1656			Final Weight/Volume:	50 mL
Prep Date:	12/05/2011 0840				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		5.0
Arsenic	ND		10
Barium	ND		10
Cadmium	ND		1.0
Chromium	ND		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1353			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions | Job Number: 360-37913-1

Client Sample ID: **BC-GW-MW303-120111**

Lab Sample ID: 360-37913-3 | Date Sampled: 12/01/2011 1600
Client Matrix: Water | Date Received: 12/02/2011 0945

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	360-84357	Instrument ID:	Varian ICP
Prep Method:	3010A	Prep Batch:	360-84282	Lab File ID:	120511a.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/05/2011 1659			Final Weight/Volume:	50 mL
Prep Date:	12/05/2011 0840				

Analyte	Result (ug/L)	Qualifier	RL
Silver	ND		5.0
Arsenic	ND		10
Barium	76		10
Cadmium	ND		1.0
Chromium	190		5.0
Lead	ND		5.0
Selenium	ND		10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Prep Method:	7470A	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1354			Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	TOL %Rec	BFB %Rec
360-37913-1	BC-RB-120111	107	100	99
360-37913-2	BC-TB-GW-120111A	107	100	98
360-37913-3	BC-GW-MW303-120111	108	101	98
MB 360-84387/6		105	101	98
LCS 360-84387/3		106	102	98
LCSD 360-84387/4		105	102	96

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Surrogate Recovery Report

MA-EPH-LL Massachusetts - Extractable Petroleum Hydrocarbons (Low-Level) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP1 %Rec	2BN1 %Rec	OTPH1 %Rec	1COD2 %Rec
360-37913-1	BC-RB-120111	83	84	82	80
360-37913-3	BC-GW-MW303-120111	80	82	80	83
MB 360-84516/1-A		74	74	73	78
LCS 360-84516/2-A		76	76	91	83
LCSD 360-84516/3-A		75	75	83	80

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	40-140
2BN = 2-Bromonaphthalene	40-140
OTPH = o-Terphenyl	40-140
1COD = 1-Chlorooctadecane	40-140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Method Blank - Batch: 360-84387

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-84387/6	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22868.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 1545	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 1545				
Leach Date:	N/A				

Analyte	Result	Qual	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloropropene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dichlorobenzene	ND		1.0
1,2-Dichloroethane	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		1.0
1,4-Dichlorobenzene	ND		1.0
2,2-Dichloropropane	ND		1.0
2-Butanone (MEK)	ND		10
2-Chlorotoluene	ND		1.0
2-Hexanone	ND		10
4-Chlorotoluene	ND		1.0
4-Isopropyltoluene	ND		1.0
4-Methyl-2-pentanone (MIBK)	ND		10
Acetone	ND		50
Acrylonitrile	ND		0.50
Benzene	ND		1.0
Bromobenzene	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chlorodibromomethane	ND		0.50
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
cis-1,2-Dichloroethene	ND		1.0
cis-1,3-Dichloropropene	ND		0.40
Dibromomethane	ND		1.0
Dichlorobromomethane	ND		0.50
Dichlorodifluoromethane	ND		1.0

Client: Etech Environmental & Safety Solutions Job Number: 360-37913-1

Method Blank - Batch: 360-84387

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-84387/6	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22868.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 1545	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 1545				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Ethylbenzene	ND		1.0
Ethylene Dibromide	ND		1.0
Hexachlorobutadiene	ND		0.40
Isopropylbenzene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
Methyl tert-butyl ether	ND		1.0
Methylene Chloride	ND		2.0
n-Butylbenzene	ND		1.0
N-Propylbenzene	ND		1.0
Naphthalene	ND		5.0
o-Xylene	ND		1.0
sec-Butylbenzene	ND		1.0
Styrene	ND		1.0
tert-Butylbenzene	ND		1.0
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
trans-1,3-Dichloropropene	ND		0.40
trans-1,4-Dichloro-2-butene	ND		5.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	70 - 130
Dibromofluoromethane	105	70 - 130
Toluene-d8 (Surr)	101	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84387

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-84387/3	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22865.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 1439	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 1439				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84387/4	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22866.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 1501	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 1501				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	113	109	70 - 130	3	25		
1,1,1-Trichloroethane	124	114	70 - 130	8	25		
1,1,2,2-Tetrachloroethane	87	85	70 - 130	2	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	110	99	70 - 130	11	25		
1,1,2-Trichloroethane	106	104	70 - 130	2	25		
1,1-Dichloroethane	110	103	70 - 130	6	25		
1,1-Dichloroethene	119	108	70 - 130	10	25		
1,1-Dichloropropene	115	105	70 - 130	10	25		
1,2,3-Trichlorobenzene	106	103	70 - 130	2	25		
1,2,3-Trichloropropane	97	98	70 - 130	1	25		
1,2,4-Trichlorobenzene	113	108	70 - 130	4	25		
1,2,4-Trimethylbenzene	108	104	70 - 130	4	25		
1,2-Dibromo-3-Chloropropane	100	100	70 - 130	1	25		
1,2-Dichlorobenzene	104	101	70 - 130	2	25		
1,2-Dichloroethane	110	108	70 - 130	2	25		
1,2-Dichloropropane	103	98	70 - 130	4	25		
1,3,5-Trimethylbenzene	108	102	70 - 130	5	25		
1,3-Dichlorobenzene	112	108	70 - 130	4	25		
1,3-Dichloropropane	105	103	70 - 130	2	25		
1,4-Dichlorobenzene	106	102	70 - 130	4	25		
2,2-Dichloropropane	123	113	70 - 130	8	25		
2-Butanone (MEK)	96	95	70 - 130	1	25		
2-Chlorotoluene	102	98	70 - 130	5	25		
2-Hexanone	95	95	70 - 130	0	25		
4-Chlorotoluene	102	98	70 - 130	4	25		
4-Isopropyltoluene	116	109	70 - 130	7	25		
4-Methyl-2-pentanone (MIBK)	94	93	70 - 130	1	25		
Acetone	98	98	70 - 130	0	25		
Acrylonitrile	97	98	70 - 130	2	25		
Benzene	110	104	70 - 130	6	25		
Bromobenzene	95	92	70 - 130	3	25		
Bromoform	106	105	70 - 130	1	25		
Bromomethane	111	100	70 - 130	10	25		
Carbon disulfide	148	138	70 - 130	7	25	*	
Carbon tetrachloride	140	129	70 - 130	8	25	*	
Chlorobenzene	108	104	70 - 130	4	25		

Client: Etech Environmental & Safety Solutions Job Number: 360-37913-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84387

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-84387/3	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22865.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 1439	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 1439				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84387/4	Analysis Batch:	360-84387	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V22866.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/06/2011 1501	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/06/2011 1501				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chlorodibromomethane	114	115	70 - 130	1	25		
Chloroethane	97	89	70 - 130	9	25		
Chloroform	109	103	70 - 130	5	25		
Chloromethane	90	83	70 - 130	9	25		
cis-1,2-Dichloroethene	105	99	70 - 130	6	25		
cis-1,3-Dichloropropene	111	107	70 - 130	3	25		
Dibromomethane	112	109	70 - 130	3	25		
Dichlorobromomethane	114	110	70 - 130	4	25		
Dichlorodifluoromethane	125	112	70 - 130	11	25		
Ethylbenzene	103	98	70 - 130	4	25		
Ethylene Dibromide	111	111	70 - 130	0	25		
Hexachlorobutadiene	118	111	70 - 130	6	25		
Isopropylbenzene	110	102	70 - 130	8	25		
m-Xylene & p-Xylene	105	100	70 - 130	5	25		
Methyl tert-butyl ether	112	110	70 - 130	2	25		
Methylene Chloride	115	110	70 - 130	4	25		
n-Butylbenzene	104	97	70 - 130	7	25		
N-Propylbenzene	106	100	70 - 130	5	25		
Naphthalene	92	90	70 - 130	2	25		
o-Xylene	105	100	70 - 130	5	25		
sec-Butylbenzene	108	100	70 - 130	8	25		
Styrene	106	102	70 - 130	4	25		
tert-Butylbenzene	110	103	70 - 130	7	25		
Tetrachloroethene	128	118	70 - 130	9	25		
Tetrahydrofuran	95	95	70 - 130	1	25		
Toluene	111	105	70 - 130	6	25		
trans-1,2-Dichloroethene	109	100	70 - 130	8	25		
trans-1,3-Dichloropropene	115	111	70 - 130	3	25		
trans-1,4-Dichloro-2-butene	90	87	70 - 130	3	25		
Trichloroethene	114	107	70 - 130	6	25		
Trichlorofluoromethane	118	105	70 - 130	12	25		
Vinyl chloride	103	91	70 - 130	13	25		
Xylenes, Total	105	100	70 - 130	5	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	98	96	70 - 130

Client: Etech Environmental & Safety Solutions Job Number: 360-37913-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Dibromofluoromethane	106	105	70 - 130
Toluene-d8 (Surr)	102	102	70 - 130

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84387

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-84387/3	Units: ug/L		LCSD Lab Sample ID:	LCSD 360-84387/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/06/2011 1439			Analysis Date:	12/06/2011 1501
Prep Date:	12/06/2011 1439			Prep Date:	12/06/2011 1501
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
1,1,1,2-Tetrachloroethane	20.0	20.0	22.5		21.8
1,1,1-Trichloroethane	20.0	20.0	24.8		22.8
1,1,2,2-Tetrachloroethane	20.0	20.0	17.4		17.0
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.0	21.9		19.7
1,1,2-Trichloroethane	20.0	20.0	21.2		20.8
1,1-Dichloroethane	20.0	20.0	21.9		20.6
1,1-Dichloroethene	20.0	20.0	23.8		21.6
1,1-Dichloropropene	20.0	20.0	23.0		20.9
1,2,3-Trichlorobenzene	20.0	20.0	21.1		20.6
1,2,3-Trichloropropane	20.0	20.0	19.3		19.5
1,2,4-Trichlorobenzene	20.0	20.0	22.5		21.6
1,2,4-Trimethylbenzene	20.0	20.0	21.6		20.7
1,2-Dibromo-3-Chloropropane	20.0	20.0	19.9		20.0
1,2-Dichlorobenzene	20.0	20.0	20.7		20.2
1,2-Dichloroethane	20.0	20.0	22.0		21.5
1,2-Dichloropropane	20.0	20.0	20.5		19.6
1,3,5-Trimethylbenzene	20.0	20.0	21.5		20.4
1,3-Dichlorobenzene	20.0	20.0	22.4		21.5
1,3-Dichloropropane	20.0	20.0	21.0		20.6
1,4-Dichlorobenzene	20.0	20.0	21.2		20.3
2,2-Dichloropropane	20.0	20.0	24.6		22.6
2-Butanone (MEK)	200	200	192		190
2-Chlorotoluene	20.0	20.0	20.4		19.5
2-Hexanone	200	200	190		190
4-Chlorotoluene	20.0	20.0	20.4		19.6
4-Isopropyltoluene	20.0	20.0	23.2		21.7
4-Methyl-2-pentanone (MIBK)	200	200	188		186
Acetone	200	200	196		196
Acrylonitrile	20.0	20.0	19.3		19.6
Benzene	20.0	20.0	22.0		20.7
Bromobenzene	20.0	20.0	19.0		18.4
Bromoform	20.0	20.0	21.2		20.9
Bromomethane	20.0	20.0	22.1		19.9
Carbon disulfide	20.0	20.0	29.6	*	27.5
Carbon tetrachloride	20.0	20.0	28.0	*	25.8
Chlorobenzene	20.0	20.0	21.6		20.8
Chlorodibromomethane	20.0	20.0	22.8		23.0
Chloroethane	20.0	20.0	19.4		17.8
Chloroform	20.0	20.0	21.7		20.6

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84387

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-84387/3	Units: ug/L		LCSD Lab Sample ID:	LCSD 360-84387/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/06/2011 1439			Analysis Date:	12/06/2011 1501
Prep Date:	12/06/2011 1439			Prep Date:	12/06/2011 1501
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chloromethane	20.0	20.0	18.0	16.5
cis-1,2-Dichloroethene	20.0	20.0	21.0	19.7
cis-1,3-Dichloropropene	20.0	20.0	22.1	21.4
Dibromomethane	20.0	20.0	22.4	21.8
Dichlorobromomethane	20.0	20.0	22.7	21.9
Dichlorodifluoromethane	20.0	20.0	24.9	22.3
Ethylbenzene	20.0	20.0	20.5	19.6
Ethylene Dibromide	20.0	20.0	22.2	22.1
Hexachlorobutadiene	20.0	20.0	23.6	22.2
Isopropylbenzene	20.0	20.0	21.9	20.3
m-Xylene & p-Xylene	40.0	40.0	42.1	40.0
Methyl tert-butyl ether	20.0	20.0	22.4	22.0
Methylene Chloride	20.0	20.0	23.0	22.0
n-Butylbenzene	20.0	20.0	20.8	19.4
N-Propylbenzene	20.0	20.0	21.1	20.0
Naphthalene	20.0	20.0	18.4	18.0
o-Xylene	20.0	20.0	21.0	20.0
sec-Butylbenzene	20.0	20.0	21.6	20.0
Styrene	20.0	20.0	21.2	20.3
tert-Butylbenzene	20.0	20.0	22.0	20.6
Tetrachloroethene	20.0	20.0	25.6	23.5
Tetrahydrofuran	200	200	191	190
Toluene	20.0	20.0	22.2	20.9
trans-1,2-Dichloroethene	20.0	20.0	21.7	20.0
trans-1,3-Dichloropropene	20.0	20.0	22.9	22.2
trans-1,4-Dichloro-2-butene	20.0	20.0	17.9	17.3
Trichloroethene	20.0	20.0	22.8	21.4
Trichlorofluoromethane	20.0	20.0	23.5	20.9
Vinyl chloride	20.0	20.0	20.6	18.1
Xylenes, Total	60.0	60.0	63.1	60.0

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Method Blank - Batch: 360-84516

Method: MA-EPH-LL
Preparation: 3510C

Lab Sample ID:	MB 360-84516/1-A	Analysis Batch:	360-84720	Instrument ID:	INST R
Client Matrix:	Water	Prep Batch:	360-84516	Lab File ID:	R402095.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/14/2011 0802	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	12/08/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	RL
Acenaphthene	ND		1.0
Acenaphthylene	ND		0.30
Anthracene	ND		1.0
Benzo[a]anthracene	ND		0.30
Benzo[a]pyrene	ND		0.20
Benzo[b]fluoranthene	ND		0.30
Benzo[g,h,i]perylene	ND		0.50
Benzo[k]fluoranthene	ND		0.30
Chrysene	ND		1.0
Dibenz(a,h)anthracene	ND		0.45
Fluoranthene	ND		1.0
Fluorene	ND		1.0
Indeno[1,2,3-cd]pyrene	ND		0.45
2-Methylnaphthalene	ND		1.0
Naphthalene	ND		1.0
Phenanthrene	ND		0.20
Pyrene	ND		1.0
C11-C22 Aromatics	ND		100
C11-C22 Aromatics (Adjusted)	ND		100
C19-C36 Aliphatics	ND		100
C9-C18 Aliphatics	ND		100
Total EPH	ND		100

Surrogate	% Rec	Acceptance Limits
2-Bromonaphthalene	74	40 - 140
2-Fluorobiphenyl	74	40 - 140
o-Terphenyl	73	40 - 140
1-Chlorooctadecane	78	40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84516

Method: MA-EPH-LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-84516/2-A	Analysis Batch:	360-84720	Instrument ID:	INST R
Client Matrix:	Water	Prep Batch:	360-84516	Lab File ID:	R402061.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/13/2011 1634	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	12/08/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 360-84516/3-A	Analysis Batch:	360-84720	Instrument ID:	INST R
Client Matrix:	Water	Prep Batch:	360-84516	Lab File ID:	R402063.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/13/2011 1708	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	12/08/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	80	76	40 - 140	5	25		
Acenaphthylene	81	77	40 - 140	6	25		
Anthracene	98	90	40 - 140	8	25		
Benzo[a]anthracene	106	96	40 - 140	10	25		
Benzo[a]pyrene	105	97	40 - 140	8	25		
Benzo[b]fluoranthene	117	103	40 - 140	13	25		
Benzo[g,h,i]perylene	118	110	40 - 140	7	25		
Benzo[k]fluoranthene	105	99	40 - 140	6	25		
Chrysene	103	94	40 - 140	10	25		
Dibenz(a,h)anthracene	110	105	40 - 140	5	25		
Fluoranthene	97	88	40 - 140	10	25		
Fluorene	89	83	40 - 140	7	25		
Indeno[1,2,3-cd]pyrene	124	111	40 - 140	10	25		
2-Methylnaphthalene	77	72	40 - 140	6	25		
Naphthalene	70	65	40 - 140	7	25		
Phenanthrene	93	85	40 - 140	9	25		
Pyrene	93	85	40 - 140	9	25		
C11-C22 Aromatics	98	91	40 - 140	8	25		
C19-C36 Aliphatics	94	82	40 - 140	13	25		
C9-C18 Aliphatics	53	52	40 - 140	2	25		
C19	88	86	40 - 140	2	25		
Dodecane	54	50	40 - 140	8	25		
Hexadecane	81	80	40 - 140	2	25		
icosane	82	80	40 - 140	2	25		
n-Decane	38	32	40 - 140	16	25	*	
n-Docosane	84	82	40 - 140	2	25		
n-Hexacosane	92	90	40 - 140	2	25		
n-Hexatriacontane	109	105	40 - 140	4	25		
n-Nonane	33	28	30 - 140	18	25		
n-Octacosane	82	80	40 - 140	2	25		
n-Octadecane	86	84	40 - 140	2	25		
n-Tetracosane	84	83	40 - 140	2	25		
n-Tetradecane	69	67	40 - 140	3	25		
Triacontane	90	88	40 - 140	2	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Bromonaphthalene	76	75	40 - 140
2-Fluorobiphenyl	76	75	40 - 140
o-Terphenyl	91	83	40 - 140
1-Chlorooctadecane	83	80	40 - 140

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84516

Method: MA-EPH-LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-84516/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 360-84516/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/13/2011 1634			Analysis Date:	12/13/2011 1708
Prep Date:	12/08/2011 1330			Prep Date:	12/08/2011 1330
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
Acenaphthene	100	100	80.4		76.2
Acenaphthylene	100	100	81.4		76.6
Anthracene	100	100	97.8		90.0
Benzo[a]anthracene	100	100	106		96.0
Benzo[a]pyrene	100	100	105		97.2
Benzo[b]fluoranthene	100	100	117		103
Benzo[g,h,i]perylene	100	100	118		110
Benzo[k]fluoranthene	100	100	105		99.0
Chrysene	100	100	103		93.8
Dibenz(a,h)anthracene	100	100	110		105
Fluoranthene	100	100	97.0		88.2
Fluorene	100	100	89.0		83.2
Indeno[1,2,3-cd]pyrene	100	100	124		111
2-Methylnaphthalene	100	100	77.0		72.4
Naphthalene	100	100	69.8		65.0
Phenanthrene	100	100	93.2		84.8
Pyrene	100	100	93.0		84.8
C11-C22 Aromatics	1700	1700	1670		1540
C19-C36 Aliphatics	800	800	751		658
C9-C18 Aliphatics	600	600	317		310
C19	100	100	88.0		86.0
Dodecane	100	100	53.8		49.6
Hexadecane	100	100	81.0		79.6
icosane	100	100	82.0		80.0
n-Decane	100	100	38.2	*	32.4
n-Docosane	100	100	84.0		82.0
n-Hexacosane	100	100	92.2		90.0
n-Hexatriacontane	100	100	109		105
n-Nonane	100	100	33.4		28.0
n-Octacosane	100	100	82.4		80.4
n-Octadecane	100	100	85.6		84.0
n-Tetracosane	100	100	84.0		82.6
n-Tetradecane	100	100	68.6		66.6
Triacontane	100	100	90.2		88.2

Client: Etech Environmental & Safety Solutions Job Number: 360-37913-1

Method Blank - Batch: 360-84282

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 360-84282/1-A	Analysis Batch:	360-84357	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-84282	Lab File ID:	120511a.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/05/2011 1557	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	12/05/2011 0840				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Silver	ND		5.0
Arsenic	ND		10
Barium	ND		10
Cadmium	ND		1.0
Chromium	ND		5.0
Lead	ND		5.0
Selenium	ND		10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84282

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 360-84282/2-A	Analysis Batch:	360-84357	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-84282	Lab File ID:	120511a.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/05/2011 1600	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	12/05/2011 0840				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84282/3-A	Analysis Batch:	360-84357	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-84282	Lab File ID:	120511a.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/05/2011 1609	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	12/05/2011 0840				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	101	108	80 - 120	7	20		
Arsenic	102	109	80 - 120	7	20		
Barium	101	108	80 - 120	7	20		
Cadmium	101	108	80 - 120	6	20		
Chromium	101	107	80 - 120	5	20		
Lead	101	108	80 - 120	6	20		
Selenium	102	110	80 - 120	7	20		

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84282

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 360-84282/2-A	Units: ug/L		LCSD Lab Sample ID:	LCSD 360-84282/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/05/2011 1600			Analysis Date:	12/05/2011 1609
Prep Date:	12/05/2011 0840			Prep Date:	12/05/2011 0840
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Silver	1000	1000	1010	1080
Arsenic	1000	1000	1020	1090
Barium	1000	1000	1010	1080
Cadmium	1000	1000	1010	1080
Chromium	1000	1000	1010	1070
Lead	1000	1000	1010	1080
Selenium	1000	1000	1020	1100

Client: Etech Environmental & Safety Solutions Job Number: 360-37913-1

Method Blank - Batch: 360-84431

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 360-84431/1-A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1259	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Mercury	ND		0.20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-84431

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 360-84431/2-A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1306	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 360-84431/3-A	Analysis Batch:	360-84448	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-84431	Lab File ID:	120711b.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	12/07/2011 1308	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	12/07/2011 1000				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	95	95	80 - 120	1	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 360-84431

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 360-84431/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 360-84431/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/07/2011 1306			Analysis Date:	12/07/2011 1308
Prep Date:	12/07/2011 1000			Prep Date:	12/07/2011 1000
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	5.00	5.00	4.74	4.77

DATA REPORTING QUALIFIERS

Client: Etech Environmental & Safety Solutions Job Number: 360-37913-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
GC Semi VOA		
	*	LCS or LCSD exceeds the control limits

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:360-84387					
LCS 360-84387/3	Lab Control Sample	T	Water	8260B	
LCSD 360-84387/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 360-84387/6	Method Blank	T	Water	8260B	
360-37913-1	BC-RB-120111	T	Water	8260B	
360-37913-2	BC-TB-GW-120111A	T	Water	8260B	
360-37913-3	BC-GW-MW303-120111	T	Water	8260B	

Report Basis
T = Total

GC Semi VOA					
Prep Batch: 360-84516					
LCS 360-84516/2-A	Lab Control Sample	T	Water	3510C	
LCSD 360-84516/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 360-84516/1-A	Method Blank	T	Water	3510C	
360-37913-1	BC-RB-120111	T	Water	3510C	
360-37913-3	BC-GW-MW303-120111	T	Water	3510C	
Analysis Batch:360-84720					
LCS 360-84516/2-A	Lab Control Sample	T	Water	MA-EPH-LL	360-84516
LCSD 360-84516/3-A	Lab Control Sample Duplicate	T	Water	MA-EPH-LL	360-84516
MB 360-84516/1-A	Method Blank	T	Water	MA-EPH-LL	360-84516
360-37913-1	BC-RB-120111	T	Water	MA-EPH-LL	360-84516
360-37913-3	BC-GW-MW303-120111	T	Water	MA-EPH-LL	360-84516

Report Basis
T = Total

Client: Etech Environmental & Safety Solutions Job Number: 360-37913-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-84282					
LCS 360-84282/2-A	Lab Control Sample	T	Water	3010A	
LCSD 360-84282/3-A	Lab Control Sample Duplicate	T	Water	3010A	
MB 360-84282/1-A	Method Blank	T	Water	3010A	
360-37913-1	BC-RB-120111	T	Water	3010A	
360-37913-3	BC-GW-MW303-120111	T	Water	3010A	
Analysis Batch:360-84357					
LCS 360-84282/2-A	Lab Control Sample	T	Water	6010B	360-84282
LCSD 360-84282/3-A	Lab Control Sample Duplicate	T	Water	6010B	360-84282
MB 360-84282/1-A	Method Blank	T	Water	6010B	360-84282
360-37913-1	BC-RB-120111	T	Water	6010B	360-84282
360-37913-3	BC-GW-MW303-120111	T	Water	6010B	360-84282
Prep Batch: 360-84431					
LCS 360-84431/2-A	Lab Control Sample	T	Water	7470A	
LCSD 360-84431/3-A	Lab Control Sample Duplicate	T	Water	7470A	
MB 360-84431/1-A	Method Blank	T	Water	7470A	
360-37913-1	BC-RB-120111	T	Water	7470A	
360-37913-3	BC-GW-MW303-120111	T	Water	7470A	
Analysis Batch:360-84448					
LCS 360-84431/2-A	Lab Control Sample	T	Water	7470A	360-84431
LCSD 360-84431/3-A	Lab Control Sample Duplicate	T	Water	7470A	360-84431
MB 360-84431/1-A	Method Blank	T	Water	7470A	360-84431
360-37913-1	BC-RB-120111	T	Water	7470A	360-84431
360-37913-3	BC-GW-MW303-120111	T	Water	7470A	360-84431

Report Basis
T = Total

Client: Etech Environmental & Safety Solutions Job Number: 360-37913-1

Laboratory Chronicle

Lab ID: 360-37913-1 **Client ID:** BC-RB-120111

Sample Date/Time: 12/01/2011 15:45 Received Date/Time: 12/02/2011 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-37913-G-1		360-84387		12/06/2011 21:29	1	TAL WFD	TH
A:8260B	360-37913-G-1		360-84387		12/06/2011 21:29	1	TAL WFD	TH
P:3510C	360-37913-A-1-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	360-37913-A-1-A		360-84720	360-84516	12/14/2011 11:28	1	TAL WFD	VMM
P:3010A	360-37913-C-1-A		360-84357	360-84282	12/05/2011 08:40	1	TAL WFD	OG
A:6010B	360-37913-C-1-A		360-84357	360-84282	12/05/2011 16:56	1	TAL WFD	TJS
P:7470A	360-37913-C-1-B		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	360-37913-C-1-B		360-84448	360-84431	12/07/2011 13:53	1	TAL WFD	TJS

Lab ID: 360-37913-2 **Client ID:** BC-TB-GW-120111A

Sample Date/Time: 12/01/2011 15:00 Received Date/Time: 12/02/2011 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-37913-B-2		360-84387		12/06/2011 21:51	1	TAL WFD	TH
A:8260B	360-37913-B-2		360-84387		12/06/2011 21:51	1	TAL WFD	TH

Lab ID: 360-37913-3 **Client ID:** BC-GW-MW303-120111

Sample Date/Time: 12/01/2011 16:00 Received Date/Time: 12/02/2011 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	360-37913-G-3		360-84387		12/06/2011 22:12	10	TAL WFD	TH
A:8260B	360-37913-G-3		360-84387		12/06/2011 22:12	10	TAL WFD	TH
P:3510C	360-37913-A-3-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	360-37913-A-3-A		360-84720	360-84516	12/14/2011 12:02	1	TAL WFD	VMM
P:3010A	360-37913-C-3-A		360-84357	360-84282	12/05/2011 08:40	1	TAL WFD	OG
A:6010B	360-37913-C-3-A		360-84357	360-84282	12/05/2011 16:59	1	TAL WFD	TJS
P:7470A	360-37913-C-3-B		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	360-37913-C-3-B		360-84448	360-84431	12/07/2011 13:54	1	TAL WFD	TJS

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:5030B	MB 360-84387/6		360-84387		12/06/2011 15:45	1	TAL WFD	TH
A:8260B	MB 360-84387/6		360-84387		12/06/2011 15:45	1	TAL WFD	TH
P:3510C	MB 360-84516/1-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	MB 360-84516/1-A		360-84720	360-84516	12/14/2011 08:02	1	TAL WFD	VMM
P:3010A	MB 360-84282/1-A		360-84357	360-84282	12/05/2011 08:40	1	TAL WFD	OG
A:6010B	MB 360-84282/1-A		360-84357	360-84282	12/05/2011 15:57	1	TAL WFD	TJS
P:7470A	MB 360-84431/1-A		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	MB 360-84431/1-A		360-84448	360-84431	12/07/2011 12:59	1	TAL WFD	TJS

Client: Etech Environmental & Safety Solutions Job Number: 360-37913-1

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:5030B	LCS 360-84387/3		360-84387		12/06/2011 14:39	1	TAL WFD	TH
A:8260B	LCS 360-84387/3		360-84387		12/06/2011 14:39	1	TAL WFD	TH
P:3510C	LCS 360-84516/2-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	LCS 360-84516/2-A		360-84720	360-84516	12/13/2011 16:34	1	TAL WFD	VMM
P:3010A	LCS 360-84282/2-A		360-84357	360-84282	12/05/2011 08:40	1	TAL WFD	OG
A:6010B	LCS 360-84282/2-A		360-84357	360-84282	12/05/2011 16:00	1	TAL WFD	TJS
P:7470A	LCS 360-84431/2-A		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	LCS 360-84431/2-A		360-84448	360-84431	12/07/2011 13:06	1	TAL WFD	TJS

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:5030B	LCSD 360-84387/4		360-84387		12/06/2011 15:01	1	TAL WFD	TH
A:8260B	LCSD 360-84387/4		360-84387		12/06/2011 15:01	1	TAL WFD	TH
P:3510C	LCSD 360-84516/3-A		360-84720	360-84516	12/08/2011 13:30	1	TAL WFD	TLV
A:MA-EPH-LL	LCSD 360-84516/3-A		360-84720	360-84516	12/13/2011 17:08	1	TAL WFD	VMM
P:3010A	LCSD 360-84282/3-A		360-84357	360-84282	12/05/2011 08:40	1	TAL WFD	OG
A:6010B	LCSD 360-84282/3-A		360-84357	360-84282	12/05/2011 16:09	1	TAL WFD	TJS
P:7470A	LCSD 360-84431/3-A		360-84448	360-84431	12/07/2011 10:00	1	TAL WFD	OG
A:7470A	LCSD 360-84431/3-A		360-84448	360-84431	12/07/2011 13:08	1	TAL WFD	TJS

Lab References:
TAL WFD = TestAmerica Westfield

Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Beaton & Corbin Factory Site

TestAmerica Job ID: 360-37913-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Westfield	Connecticut	State Program	1	PH-0494
TestAmerica Westfield	Maine	State Program	1	MA00014
TestAmerica Westfield	Massachusetts	State Program	1	M-MA014
TestAmerica Westfield	New Hampshire	NELAC	1	2539
TestAmerica Westfield	New York	NELAC	2	10843
TestAmerica Westfield	Rhode Island	State Program	1	LAO00057
TestAmerica Westfield	Vermont	State Program	1	VT-10843

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

State Accreditation Matrix

Method Name	Description	State where **Primary** Accreditation is Carried		
		New Hampshire (NELAC)	Mass	Conn
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)	NP		
SM 4500 Cl F	Chlorine, Residual		NP	
SM 9215E	Heterotrophic Plate Count (SimPlate)		P	
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP	
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P	
SM 9224	Coliforms, Total, and E.Coli (Enumeration)		P	
1103.1	E.coli		ambient/ source	
Enterolert	Enterococcus			
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P	
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	
6010B/C	Metals (ICP)(list upon request)	NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	
7470A	Mercury (CVAA)	NP		
7471A	Mercury (CVAA)	SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		
3010A	Preparation, Total Metals	NP/P		
3020A	Preparation, Total Metals	NP/P/SW		
3050B	Preparation, Metals	SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)	P	P	
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP	NP	
3546	Microwave Extraction	SW		
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		
3550B	Ultrasonic Extraction	SW		
8081AB	Organochlorine Pesticides (GC)(list upon request)	NP/SW		
8082/A	PCBs by Gas Chromatography(list upon request)	NP/SW		
8270C/D	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)	NP/SW		NP/SW
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)	NP/SW		
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	
524.2	Trihalomethane compounds	P	P	
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	
5035	Closed System Purge and Trap	SW		
5030B	Purge and Trap	NP		
8260B/C	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			
180.1	Turbidity, Nephelometric	P	P	
300	Anions, Ion Chromatography	NP/P	NP/P	
410.4	COD	NP	NP	
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	
7196A	Chromium, Hexavalent	NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		
9045C	pH	SW		
L107041C	Nitrogen, Nitrate	NP	P	
L107-06-1B	Nitrogen Ammonia	NP	NP	
L204001A CN	Cyanide, Total	P	NP/P	
L210-001A	Phenolics, Total Recoverable	NP	NP	
SM 2320B	Alkalinity	NP/P	NP/P	
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	
SM 3500 CR D	Chromium, Hexavalent	NP		
SM 4500 H+ B	pH	NP/P	NP/P	
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	
SM 4500 P E	Phosphorus, Total	NP	NP	
SM 4500 S2 D	Sulfide, Total	NP		
SM 5210B	BOD, 5-Day	NP	NP	
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP	

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 the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-VMS ID: 0.25 (um)

Client Sample ID	Lab Sample ID	DBFM #	TOL #	BFB #
BC-RB-120111	360-37913-1	107	100	99
BC-TB-GW-120111A	360-37913-2	107	100	98
BC-GW-MW303-120111	360-37913-3	108	101	98
	MB 360-84387/6	105	101	98
	LCS 360-84387/3	106	102	98
	LCSD 360-84387/4	105	102	96

	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.: 360-37913-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V22865.D

Lab ID: LCS 360-84387/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	22.5	113	70-130	
1,1,1-Trichloroethane	20.0	24.8	124	70-130	
1,1,2,2-Tetrachloroethane	20.0	17.4	87	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.9	110	70-130	
1,1,2-Trichloroethane	20.0	21.2	106	70-130	
1,1-Dichloroethane	20.0	21.9	110	70-130	
1,1-Dichloroethene	20.0	23.8	119	70-130	
1,1-Dichloropropene	20.0	23.0	115	70-130	
1,2,3-Trichlorobenzene	20.0	21.1	106	70-130	
1,2,3-Trichloropropane	20.0	19.3	97	70-130	
1,2,4-Trichlorobenzene	20.0	22.5	113	70-130	
1,2,4-Trimethylbenzene	20.0	21.6	108	70-130	
1,2-Dibromo-3-Chloropropane	20.0	19.9	100	70-130	
1,2-Dichlorobenzene	20.0	20.7	104	70-130	
1,2-Dichloroethane	20.0	22.0	110	70-130	
1,2-Dichloropropane	20.0	20.5	103	70-130	
1,3,5-Trimethylbenzene	20.0	21.5	108	70-130	
1,3-Dichlorobenzene	20.0	22.4	112	70-130	
1,3-Dichloropropane	20.0	21.0	105	70-130	
1,4-Dichlorobenzene	20.0	21.2	106	70-130	
2,2-Dichloropropane	20.0	24.6	123	70-130	
2-Butanone (MEK)	200	192	96	70-130	
2-Chlorotoluene	20.0	20.4	102	70-130	
2-Hexanone	200	190	95	70-130	
4-Chlorotoluene	20.0	20.4	102	70-130	
4-Isopropyltoluene	20.0	23.2	116	70-130	
4-Methyl-2-pentanone (MIBK)	200	188	94	70-130	
Acetone	200	196	98	70-130	
Acrylonitrile	20.0	19.3	97	70-130	
Benzene	20.0	22.0	110	70-130	
Bromobenzene	20.0	19.0	95	70-130	
Bromoform	20.0	21.2	106	70-130	
Bromomethane	20.0	22.1	111	70-130	
Carbon disulfide	20.0	29.6	148	70-130	*
Carbon tetrachloride	20.0	28.0	140	70-130	*
Chlorobenzene	20.0	21.6	108	70-130	
Chlorodibromomethane	20.0	22.8	114	70-130	
Chloroethane	20.0	19.4	97	70-130	
Chloroform	20.0	21.7	109	70-130	
Chloromethane	20.0	18.0	90	70-130	
cis-1,2-Dichloroethene	20.0	21.0	105	70-130	

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.: 360-37913-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V22865.D

Lab ID: LCS 360-84387/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
cis-1,3-Dichloropropene	20.0	22.1	111	70-130	
Dibromomethane	20.0	22.4	112	70-130	
Dichlorobromomethane	20.0	22.7	114	70-130	
Dichlorodifluoromethane	20.0	24.9	125	70-130	
Ethylbenzene	20.0	20.5	103	70-130	
Ethylene Dibromide	20.0	22.2	111	70-130	
Hexachlorobutadiene	20.0	23.6	118	70-130	
Isopropylbenzene	20.0	21.9	110	70-130	
m-Xylene & p-Xylene	40.0	42.1	105	70-130	
Methyl tert-butyl ether	20.0	22.4	112	70-130	
Methylene Chloride	20.0	23.0	115	70-130	
n-Butylbenzene	20.0	20.8	104	70-130	
N-Propylbenzene	20.0	21.1	106	70-130	
Naphthalene	20.0	18.4	92	70-130	
o-Xylene	20.0	21.0	105	70-130	
sec-Butylbenzene	20.0	21.6	108	70-130	
Styrene	20.0	21.2	106	70-130	
tert-Butylbenzene	20.0	22.0	110	70-130	
Tetrachloroethene	20.0	25.6	128	70-130	
Tetrahydrofuran	200	191	95	70-130	
Toluene	20.0	22.2	111	70-130	
trans-1,2-Dichloroethene	20.0	21.7	109	70-130	
trans-1,3-Dichloropropene	20.0	22.9	115	70-130	
trans-1,4-Dichloro-2-butene	20.0	17.9	90	70-130	
Trichloroethene	20.0	22.8	114	70-130	
Trichlorofluoromethane	20.0	23.5	118	70-130	
Vinyl chloride	20.0	20.6	103	70-130	
Xylenes, Total	60.0	63.1	105	70-130	

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.: 360-37913-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V22866.D

Lab ID: LCSD 360-84387/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	21.8	109	3	25	70-130	
1,1,1-Trichloroethane	20.0	22.8	114	8	25	70-130	
1,1,2,2-Tetrachloroethane	20.0	17.0	85	2	25	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.7	99	11	25	70-130	
1,1,2-Trichloroethane	20.0	20.8	104	2	25	70-130	
1,1-Dichloroethane	20.0	20.6	103	6	25	70-130	
1,1-Dichloroethene	20.0	21.6	108	10	25	70-130	
1,1-Dichloropropene	20.0	20.9	105	10	25	70-130	
1,2,3-Trichlorobenzene	20.0	20.6	103	2	25	70-130	
1,2,3-Trichloropropane	20.0	19.5	98	1	25	70-130	
1,2,4-Trichlorobenzene	20.0	21.6	108	4	25	70-130	
1,2,4-Trimethylbenzene	20.0	20.7	104	4	25	70-130	
1,2-Dibromo-3-Chloropropane	20.0	20.0	100	1	25	70-130	
1,2-Dichlorobenzene	20.0	20.2	101	2	25	70-130	
1,2-Dichloroethane	20.0	21.5	108	2	25	70-130	
1,2-Dichloropropane	20.0	19.6	98	4	25	70-130	
1,3,5-Trimethylbenzene	20.0	20.4	102	5	25	70-130	
1,3-Dichlorobenzene	20.0	21.5	108	4	25	70-130	
1,3-Dichloropropane	20.0	20.6	103	2	25	70-130	
1,4-Dichlorobenzene	20.0	20.3	102	4	25	70-130	
2,2-Dichloropropane	20.0	22.6	113	8	25	70-130	
2-Butanone (MEK)	200	190	95	1	25	70-130	
2-Chlorotoluene	20.0	19.5	98	5	25	70-130	
2-Hexanone	200	190	95	0	25	70-130	
4-Chlorotoluene	20.0	19.6	98	4	25	70-130	
4-Isopropyltoluene	20.0	21.7	109	7	25	70-130	
4-Methyl-2-pentanone (MIBK)	200	186	93	1	25	70-130	
Acetone	200	196	98	0	25	70-130	
Acrylonitrile	20.0	19.6	98	2	25	70-130	
Benzene	20.0	20.7	104	6	25	70-130	
Bromobenzene	20.0	18.4	92	3	25	70-130	
Bromoform	20.0	20.9	105	1	25	70-130	
Bromomethane	20.0	19.9	100	10	25	70-130	
Carbon disulfide	20.0	27.5	138	7	25	70-130	
Carbon tetrachloride	20.0	25.8	129	8	25	70-130	
Chlorobenzene	20.0	20.8	104	4	25	70-130	
Chlorodibromomethane	20.0	23.0	115	1	25	70-130	
Chloroethane	20.0	17.8	89	9	25	70-130	
Chloroform	20.0	20.6	103	5	25	70-130	
Chloromethane	20.0	16.5	83	9	25	70-130	
cis-1,2-Dichloroethene	20.0	19.7	99	6	25	70-130	

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.: 360-37913-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V22866.D

Lab ID: LCSD 360-84387/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
cis-1,3-Dichloropropene	20.0	21.4	107	3	25	70-130	
Dibromomethane	20.0	21.8	109	3	25	70-130	
Dichlorobromomethane	20.0	21.9	110	4	25	70-130	
Dichlorodifluoromethane	20.0	22.3	112	11	25	70-130	
Ethylbenzene	20.0	19.6	98	4	25	70-130	
Ethylene Dibromide	20.0	22.1	111	0	25	70-130	
Hexachlorobutadiene	20.0	22.2	111	6	25	70-130	
Isopropylbenzene	20.0	20.3	102	8	25	70-130	
m-Xylene & p-Xylene	40.0	40.0	100	5	25	70-130	
Methyl tert-butyl ether	20.0	22.0	110	2	25	70-130	
Methylene Chloride	20.0	22.0	110	4	25	70-130	
n-Butylbenzene	20.0	19.4	97	7	25	70-130	
N-Propylbenzene	20.0	20.0	100	5	25	70-130	
Naphthalene	20.0	18.0	90	2	25	70-130	
o-Xylene	20.0	20.0	100	5	25	70-130	
sec-Butylbenzene	20.0	20.0	100	8	25	70-130	
Styrene	20.0	20.3	102	4	25	70-130	
tert-Butylbenzene	20.0	20.6	103	7	25	70-130	
Tetrachloroethene	20.0	23.5	118	9	25	70-130	
Tetrahydrofuran	200	190	95	1	25	70-130	
Toluene	20.0	20.9	105	6	25	70-130	
trans-1,2-Dichloroethene	20.0	20.0	100	8	25	70-130	
trans-1,3-Dichloropropene	20.0	22.2	111	3	25	70-130	
trans-1,4-Dichloro-2-butene	20.0	17.3	87	3	25	70-130	
Trichloroethene	20.0	21.4	107	6	25	70-130	
Trichlorofluoromethane	20.0	20.9	105	12	25	70-130	
Vinyl chloride	20.0	18.1	91	13	25	70-130	
Xylenes, Total	60.0	60.0	100	5	25	70-130	

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.: 360-37913-1

SDG No.:

Lab File ID: V22868.D Lab Sample ID: MB 360-84387/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: Agilent#2 GC/MS Date Analyzed: 12/06/2011 15:45

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 360-84387/3	V22865.D	12/06/2011 14:39
	LCSD 360-84387/4	V22866.D	12/06/2011 15:01
BC-RB-120111	360-37913-1	V22883.D	12/06/2011 21:29
BC-TB-GW-120111A	360-37913-2	V22884.D	12/06/2011 21:51
BC-GW-MW303-120111	360-37913-3	V22885.D	12/06/2011 22:12

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab File ID: V22677.D BFB Injection Date: 11/29/2011

Instrument ID: Agilent#2 GC/MS BFB Injection Time: 19:15

Analysis Batch No.: 84017

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.6	
75	30.0 - 60.0 % of mass 95	46.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	90.0	
175	5.0 - 9.0 % of mass 174	6.7	(7.5)1
176	95.0 - 101.0 % of mass 174	87.5	(97.3)1
177	5.0 - 9.0 % of mass 176	6.0	(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
	STD03 360-84017/2	V22678.D	11/29/2011	19:37
	STD05 360-84017/3	V22679.D	11/29/2011	19:59
	STD1 360-84017/4	V22680.D	11/29/2011	20:21
	STD5 360-84017/5	V22681.D	11/29/2011	20:42
	STD10 360-84017/6	V22682.D	11/29/2011	21:04
	STD20 360-84017/7	V22683.D	11/29/2011	21:26
	STD40 360-84017/8	V22684.D	11/29/2011	21:48
	STD80 360-84017/9	V22685.D	11/29/2011	22:10
	STD160 360-84017/10	V22686.D	11/29/2011	22:31

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab File ID: V22863.D BFB Injection Date: 12/06/2011

Instrument ID: Agilent#2 GC/MS BFB Injection Time: 13:56

Analysis Batch No.: 84387

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.7	
75	30.0 - 60.0 % of mass 95	46.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.4	
173	Less than 2.0 % of mass 174	0.6	(0.7)1
174	50.0 - 120.00 % of mass 95	84.8	
175	5.0 - 9.0 % of mass 174	6.8	(8.0)1
176	95.0 - 101.0 % of mass 174	83.4	(98.4)1
177	5.0 - 9.0 % of mass 176	5.9	(7.1)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 360-84387/2	V22864.D	12/06/2011	14:18
	LCS 360-84387/3	V22865.D	12/06/2011	14:39
	LCSD 360-84387/4	V22866.D	12/06/2011	15:01
	MB 360-84387/6	V22868.D	12/06/2011	15:45
BC-RB-120111	360-37913-1	V22883.D	12/06/2011	21:29
BC-TB-GW-120111A	360-37913-2	V22884.D	12/06/2011	21:51
BC-GW-MW303-120111	360-37913-3	V22885.D	12/06/2011	22:12

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

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Sample No.: CCVIS 360-84387/2 Date Analyzed: 12/06/2011 14:18

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V22864.D Heated Purge: (Y/N) N

Calibration ID: 16519

		12DCE		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		17354	6.43	249775	6.77	190061	11.31
UPPER LIMIT		34708	6.93	499550	7.27	380122	11.81
LOWER LIMIT		8677	5.93	124888	6.27	95031	10.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-84387/3		17114	6.43	247263	6.77	190838	11.31
LCSD 360-84387/4		17717	6.43	254525	6.77	194418	11.31
MB 360-84387/6		17183	6.43	245491	6.77	188487	11.31
360-37913-1	BC-RB-120111	15960	6.43	233402	6.77	181285	11.31
360-37913-2	BC-TB-GW-120111A	16173	6.43	237251	6.77	184874	11.31
360-37913-3	BC-GW-MW303-120111	16330	6.43	233115	6.77	181556	11.31

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.: 360-37913-1

SDG No.:

Sample No.: CCVIS 360-84387/2 Date Analyzed: 12/06/2011 14:18

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um)

Lab File ID (Standard): V22864.D Heated Purge: (Y/N) N

Calibration ID: 16519

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		110088	13.77				
UPPER LIMIT		220176	14.27				
LOWER LIMIT		55044	13.27				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 360-84387/3		108714	13.77				
LCSD 360-84387/4		111119	13.77				
MB 360-84387/6		105459	13.77				
360-37913-1	BC-RB-120111	101755	13.77				
360-37913-2	BC-TB-GW-120111A	102508	13.77				
360-37913-3	BC-GW-MW303-120111	102093	13.77				

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.: 360-37913-1

SDG No.:

Client Sample ID: BC-RB-120111 Lab Sample ID: 360-37913-1

Matrix: Water Lab File ID: V22883.D

Analysis Method: 8260B Date Collected: 12/01/2011 15:45

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2011 21:29

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.: 84387 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.20
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.20
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
75-34-3	1,1-Dichloroethane	ND		1.0	0.20
75-35-4	1,1-Dichloroethene	ND		1.0	0.20
563-58-6	1,1-Dichloropropene	ND		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.20
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.20
78-87-5	1,2-Dichloropropane	ND		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.20
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.20
142-28-9	1,3-Dichloropropane	ND		1.0	0.20
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.20
594-20-7	2,2-Dichloropropane	ND		1.0	0.20
78-93-3	2-Butanone (MEK)	ND		10	1.3
95-49-8	2-Chlorotoluene	ND		1.0	0.20
591-78-6	2-Hexanone	ND		10	2.0
106-43-4	4-Chlorotoluene	ND		1.0	0.20
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.0
67-64-1	Acetone	ND		50	20
107-13-1	Acrylonitrile	ND		0.50	0.20
71-43-2	Benzene	ND		1.0	0.20
108-86-1	Bromobenzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.20
74-83-9	Bromomethane	ND		2.0	0.20
75-15-0	Carbon disulfide	ND	*	10	0.20
56-23-5	Carbon tetrachloride	ND	*	1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: BC-RB-120111 Lab Sample ID: 360-37913-1

Matrix: Water Lab File ID: V22883.D

Analysis Method: 8260B Date Collected: 12/01/2011 15:45

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2011 21:29

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.: 84387 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		0.50	0.20
75-00-3	Chloroethane	ND		2.0	0.21
67-66-3	Chloroform	ND		1.0	0.20
74-87-3	Chloromethane	ND		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.20
74-95-3	Dibromomethane	ND		1.0	0.20
75-27-4	Dichlorobromomethane	ND		0.50	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.20
106-93-4	Ethylene Dibromide	ND		1.0	0.20
87-68-3	Hexachlorobutadiene	ND		0.40	0.20
98-82-8	Isopropylbenzene	ND		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	6.3		2.0	1.0
104-51-8	n-Butylbenzene	ND		1.0	0.20
103-65-1	N-Propylbenzene	ND		1.0	0.20
91-20-3	Naphthalene	ND		5.0	2.0
95-47-6	o-Xylene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
98-06-6	tert-Butylbenzene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		10	0.44
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.33
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		0.50	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: BC-RB-120111 Lab Sample ID: 360-37913-1

Matrix: Water Lab File ID: V22883.D

Analysis Method: 8260B Date Collected: 12/01/2011 15:45

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2011 21:29

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.: 84387 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	99		70-130
1868-53-7	Dibromofluoromethane	107		70-130
2037-26-5	Toluene-d8 (Surr)	100		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22883.D
Lims ID: 360-37913-G-1 Client ID: BC-RB-120111
Inject. Date: 06-Dec-2011 21:29:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37913-G-1
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 22
Lims Batch ID: 84387 Lims Sample ID: 21
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\WES2UNPR.m
Last Update: 08-Dec-2011 13:21:19 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 09-Dec-2011 10:27:49

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.879					
4 Vinyl chloride (SIM)	2	62	1.953	1.960	-0.007	0	5	0	
3 Vinyl chloride	1	62		1.962					
5 Bromomethane	1	94		2.268					
6 Chloroethane	1	64		2.392					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.573					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45		2.934					
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96		3.024					
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.080					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.385					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45		3.552					
19 Methylene Chloride	1	84	3.677	3.670	0.007	83	19747	6.33	
20 Acetone	1	43	3.733	3.725	0.008	95	9307	8.81	
21 trans-1,2-Dichloroethene	1	61		3.864					
22 Methyl acetate	1	43	3.871	3.871	0.0	57	609	0.2087	
23 Hexane	1	57		3.955					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.086					
26 Acetonitrile	1	40		4.281					
27 Isopropyl ether	1	45		4.441					
28 1,1-Dichloroethane	1	63		4.600					
29 Acrylonitrile	1	53		4.663					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1		4.749					7
33 Tert-butyl ethyl ether	1	59		4.878					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61		5.239					
35 2,2-Dichloropropane	1	77		5.371					
36 Chlorobromomethane	1	130		5.475					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83	5.565	5.565	0.0	66	4401	0.8345	
39 Ethyl acetate	1	43	5.732	5.718	0.014	86	2964	0	
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.767					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	58	86644	21.4	
44 1,1,1-Trichloroethane	1	97		5.815					
45 2-Butanone (MEK)	1	43	5.947	5.940	0.007	96	8057	4.39	
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.225					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.421					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	15960	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	233402	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.815					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.961					
56 Trichloroethene	1	95		6.975					
58 2,4,4-Trimethyl-2-pentene	1	55		7.038					
59 Dibromomethane	1	93		7.517					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.753					
63 Methyl methacrylate	1	69		8.004					
64 1,4-Dioxane (SIM)	2	88	9.100	8.050	1.050	0	740	0	
65 1,4-Dioxane	1	88		8.059					
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	92	232076	19.9	
70 Toluene	1	92	9.178	9.192	-0.014	52	2039	0.3826	
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166		9.804					
75 4-Methyl-2-pentanone (MIBK)	1	43		9.832					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.110					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43	10.992	10.895	0.097	11	3006	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43	10.992	10.992	0.0	33	3006	1.39	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	82	181285	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.374					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.104					
93 Isopropylbenzene	1	105		12.382					
$ 94 BFB	1	95	12.667	12.667	0.0	98	89288	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	98	89288	19.7	
96 cis-1,4-Dichloro-2-butene	1	88		12.744					
97 Bromobenzene	1	77		12.765					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
102 1,2,3-Trichloropropane	1	110		13.015					
101 1,3,5-Trimethylbenzene	1	105		13.015					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119		13.327					
106 1,2,4-Trimethylbenzene	1	105		13.397					
107 sec-Butylbenzene	1	105		13.501					
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146		13.696					
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	101755	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.148					
114 1,2-Dichlorobenzene	1	146		14.168					
115 1,2-Dibromo-3-Chloropropane	1	157		14.891					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128	15.774	15.774	0.0	1	1045	0.2907	
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

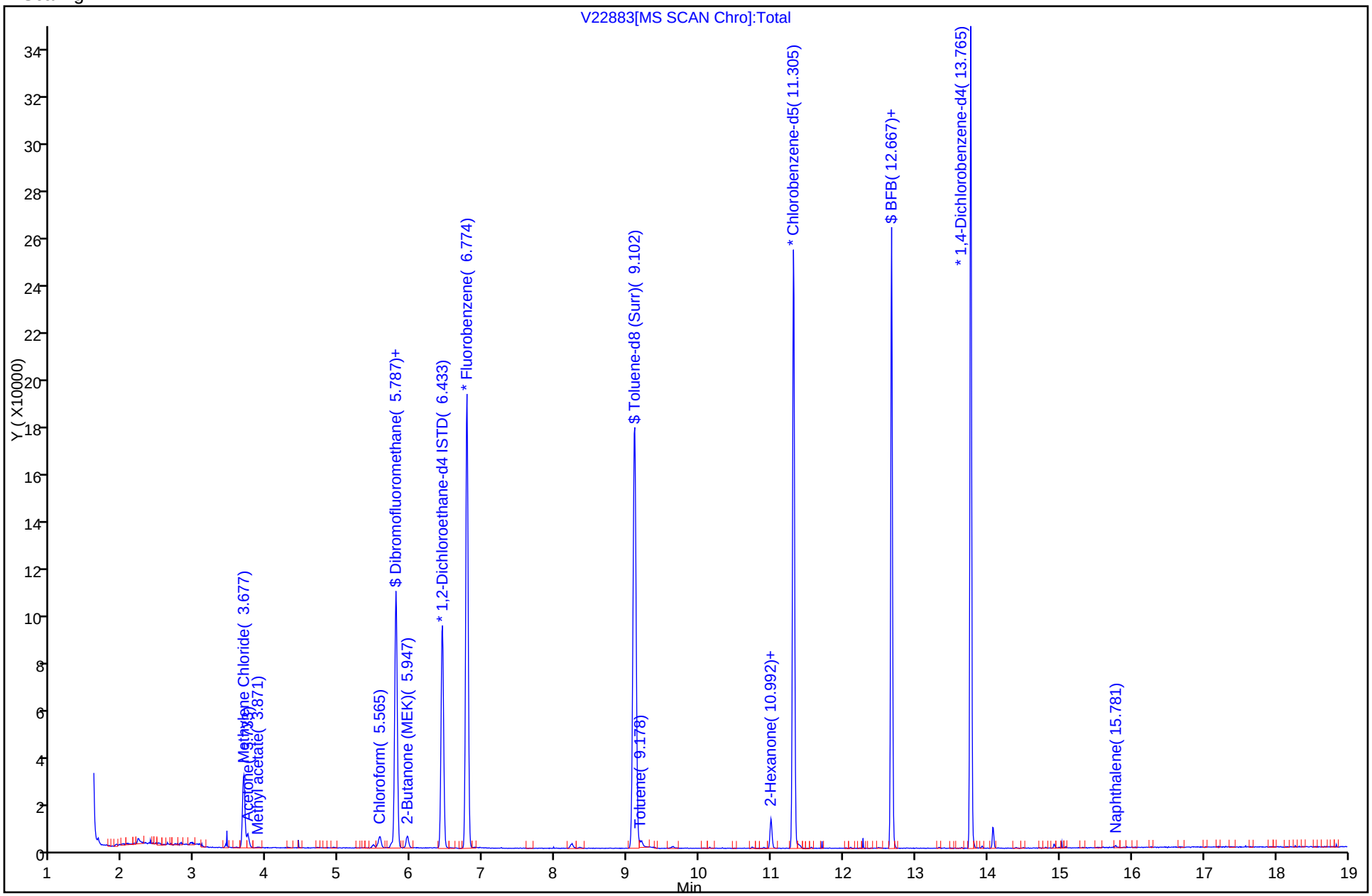
Processing Flags
7 - Failed Limit of Detection

Report Date: 09-Dec-2011 10:27:49 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22883.D

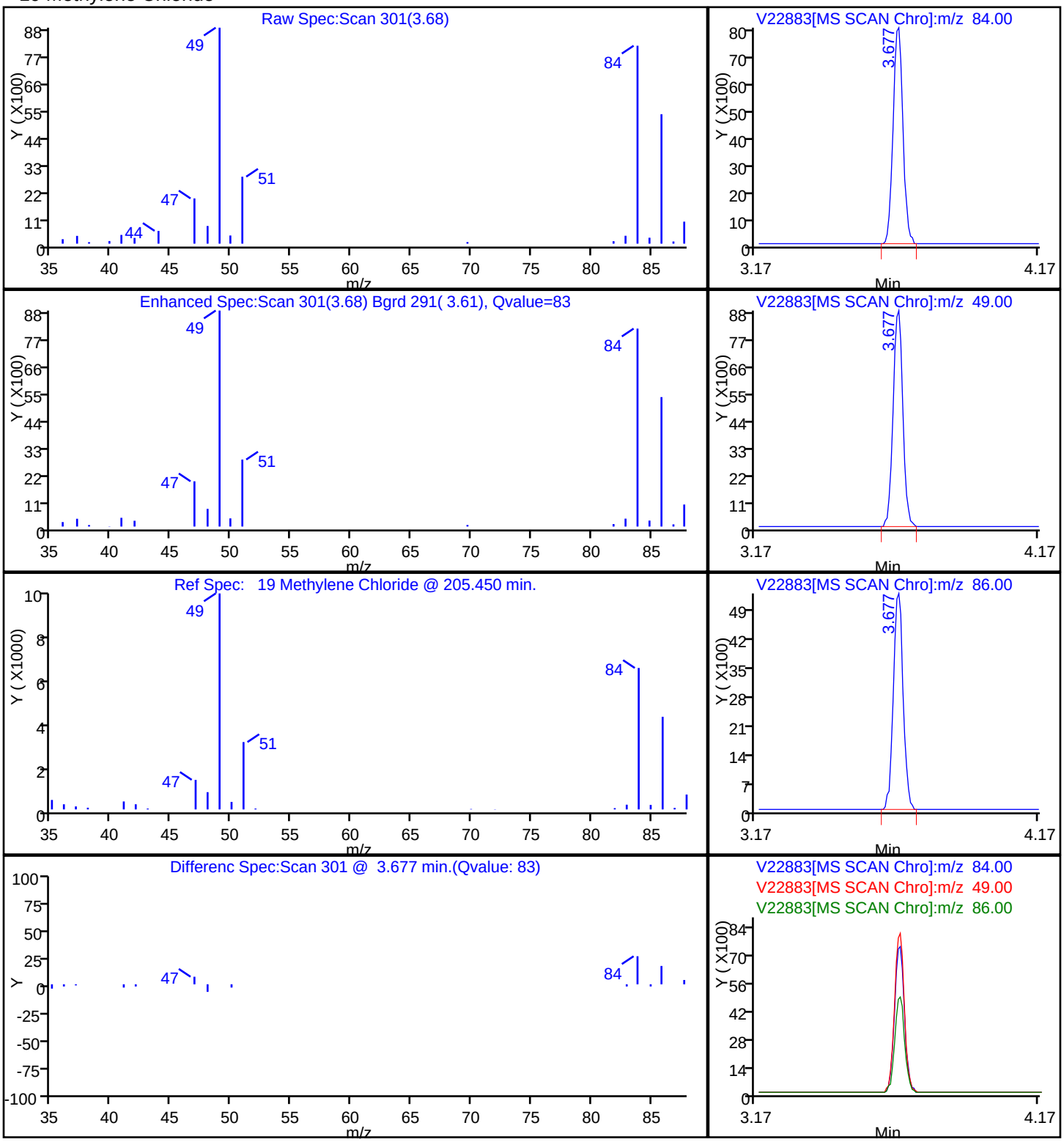
Injection Date:	06-Dec-2011 21:29:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:	BC-RB-120111	Instrument ID:	Agilent#2 GC/MS
Lims Batch ID:	84387	Lims Sample ID:	21
Operator ID:	tph		

Y Scaling:



Report Date: 09-Dec-2011 10:27:49 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22883.D
Injection Date: 06-Dec-2011 21:29:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: BC-RB-120111 Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84387 Lims Sample ID: 21
Operator ID: tph

19 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37913-1

SDG No.:

Client Sample ID: BC-TB-GW-120111A | Lab Sample ID: 360-37913-2

Matrix: Water | Lab File ID: V22884.D

Analysis Method: 8260B | Date Collected: 12/01/2011 15:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/06/2011 21:51

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.: 84387 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.20
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.20
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
75-34-3	1,1-Dichloroethane	ND		1.0	0.20
75-35-4	1,1-Dichloroethene	ND		1.0	0.20
563-58-6	1,1-Dichloropropene	ND		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.20
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.20
78-87-5	1,2-Dichloropropane	ND		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.20
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.20
142-28-9	1,3-Dichloropropane	ND		1.0	0.20
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.20
594-20-7	2,2-Dichloropropane	ND		1.0	0.20
78-93-3	2-Butanone (MEK)	ND		10	1.3
95-49-8	2-Chlorotoluene	ND		1.0	0.20
591-78-6	2-Hexanone	ND		10	2.0
106-43-4	4-Chlorotoluene	ND		1.0	0.20
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.0
67-64-1	Acetone	ND		50	20
107-13-1	Acrylonitrile	ND		0.50	0.20
71-43-2	Benzene	ND		1.0	0.20
108-86-1	Bromobenzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.20
74-83-9	Bromomethane	ND		2.0	0.20
75-15-0	Carbon disulfide	ND	*	10	0.20
56-23-5	Carbon tetrachloride	ND	*	1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37913-1

SDG No.:

Client Sample ID: BC-TB-GW-120111A | Lab Sample ID: 360-37913-2

Matrix: Water | Lab File ID: V22884.D

Analysis Method: 8260B | Date Collected: 12/01/2011 15:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/06/2011 21:51

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.: 84387 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		0.50	0.20
75-00-3	Chloroethane	ND		2.0	0.21
67-66-3	Chloroform	ND		1.0	0.20
74-87-3	Chloromethane	ND		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.20
74-95-3	Dibromomethane	ND		1.0	0.20
75-27-4	Dichlorobromomethane	ND		0.50	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.20
106-93-4	Ethylene Dibromide	ND		1.0	0.20
87-68-3	Hexachlorobutadiene	ND		0.40	0.20
98-82-8	Isopropylbenzene	ND		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		2.0	1.0
104-51-8	n-Butylbenzene	ND		1.0	0.20
103-65-1	N-Propylbenzene	ND		1.0	0.20
91-20-3	Naphthalene	ND		5.0	2.0
95-47-6	o-Xylene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
98-06-6	tert-Butylbenzene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		10	0.44
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.33
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		0.50	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: BC-TB-GW-120111A Lab Sample ID: 360-37913-2

Matrix: Water Lab File ID: V22884.D

Analysis Method: 8260B Date Collected: 12/01/2011 15:00

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2011 21:51

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.: 84387 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane	107		70-130
2037-26-5	Toluene-d8 (Surr)	100		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22884.D
Lims ID: 360-37913-B-2 Client ID: BC-TB-GW-120111A
Inject. Date: 06-Dec-2011 21:51:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 360-37913-B-2
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 23
Lims Batch ID: 84387 Lims Sample ID: 22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\WES2UNPR.m
Last Update: 08-Dec-2011 13:21:19 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 09-Dec-2011 10:28:30

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.879					
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	31	0	
3 Vinyl chloride	1	62		1.962					
5 Bromomethane	1	94		2.268					
6 Chloroethane	1	64		2.392					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.573					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45		2.934					
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96		3.024					
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.080					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.385					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	47	1111	0	
19 Methylene Chloride	1	84		3.670					
20 Acetone	1	43	3.726	3.725	0.001	93	4874	4.55	
21 trans-1,2-Dichloroethene	1	61		3.864					
22 Methyl acetate	1	43		3.871					
23 Hexane	1	57		3.955					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.086					
26 Acetonitrile	1	40	4.274	4.281	-0.007	78	231	0	
27 Isopropyl ether	1	45		4.441					
28 1,1-Dichloroethane	1	63		4.600					
29 Acrylonitrile	1	53		4.663					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1		4.749					7
33 Tert-butyl ethyl ether	1	59		4.878					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61		5.239					
35 2,2-Dichloropropane	1	77		5.371					
36 Chlorobromomethane	1	130		5.475					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83		5.565					
39 Ethyl acetate	1	43	5.725	5.718	0.007	56	1425	0	
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.767					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	57	88217	21.4	
44 1,1,1-Trichloroethane	1	97		5.815					
45 2-Butanone (MEK)	1	43		5.940					
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.225					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.421					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	16173	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	237251	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.815					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.961					
56 Trichloroethene	1	95		6.975					
58 2,4,4-Trimethyl-2-pentene	1	55		7.038					
59 Dibromomethane	1	93		7.517					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.753					
63 Methyl methacrylate	1	69		8.004					
64 1,4-Dioxane (SIM)	2	88	7.793	8.050	-0.257	0	181	0	
65 1,4-Dioxane	1	88		8.059					
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	236936	20.0	
70 Toluene	1	92		9.192					
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166	9.811	9.804	0.007	62	1432	0.5559	
75 4-Methyl-2-pentanone (MIBK)	1	43		9.832					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.110					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43		10.895					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43		10.992					
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	82	184874	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.374					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.104					
93 Isopropylbenzene	1	105		12.382					
$ 94 BFB	1	95	12.667	12.667	0.0	97	90145	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	90145	19.5	
96 cis-1,4-Dichloro-2-butene	1	88		12.744					
97 Bromobenzene	1	77		12.765					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
102 1,2,3-Trichloropropane	1	110		13.015					
101 1,3,5-Trimethylbenzene	1	105		13.015					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119		13.327					
106 1,2,4-Trimethylbenzene	1	105		13.397					
107 sec-Butylbenzene	1	105		13.501					
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146		13.696					
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	102508	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.148					
114 1,2-Dichlorobenzene	1	146		14.168					
115 1,2-Dibromo-3-Chloropropane	1	157		14.891					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128		15.774					
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

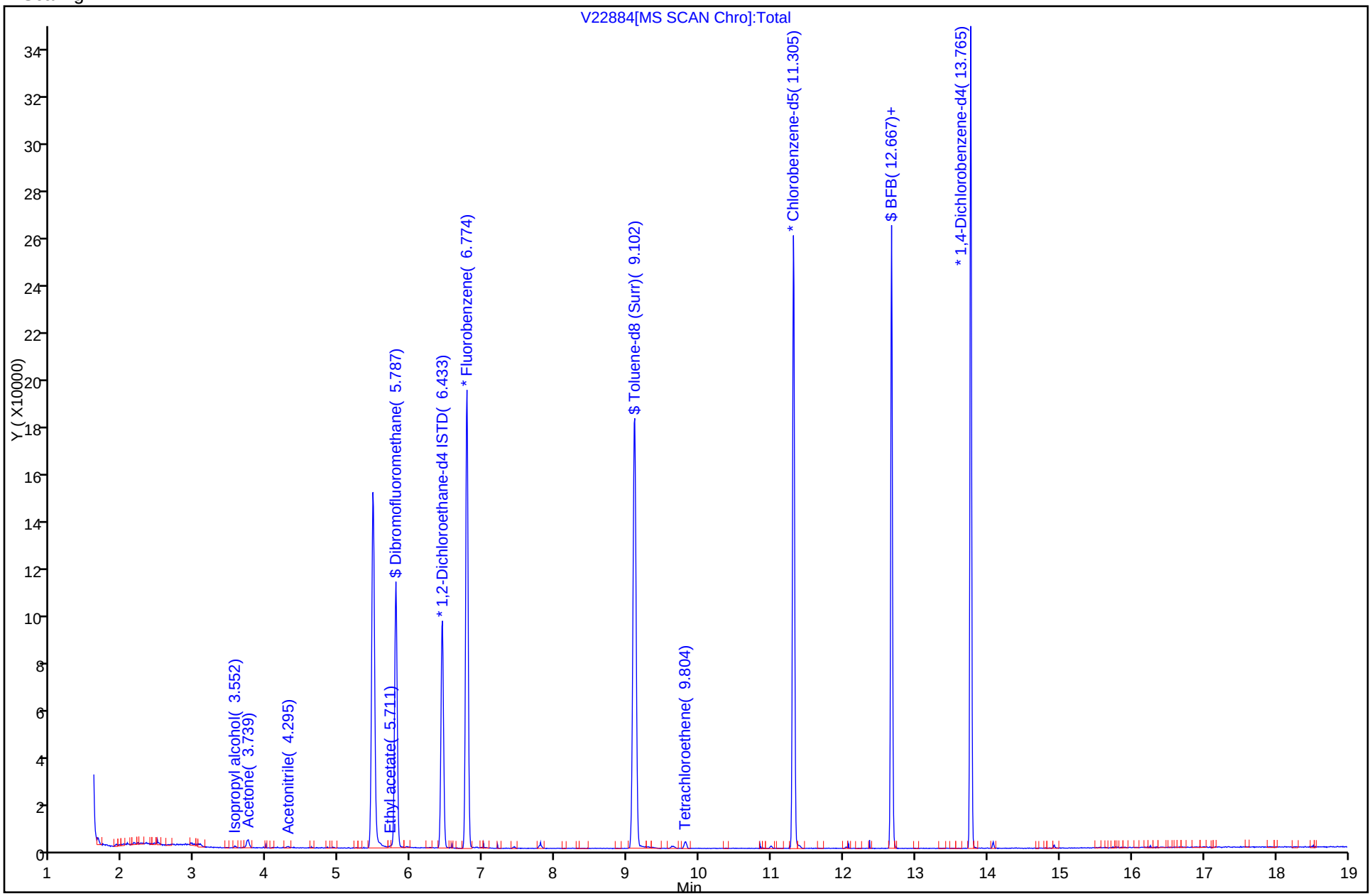
Processing Flags
7 - Failed Limit of Detection

Report Date: 09-Dec-2011 10:28:30 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22884.D

Injection Date:	06-Dec-2011 21:51:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:	BC-TB-GW-120111A	Instrument ID:	Agilent#2 GC/MS
Lims Batch ID:	84387	Lims Sample ID:	22
Operator ID:	tph		

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37913-1

SDG No.:

Client Sample ID: BC-GW-MW303-120111 | Lab Sample ID: 360-37913-3

Matrix: Water | Lab File ID: V22885.D

Analysis Method: 8260B | Date Collected: 12/01/2011 16:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/06/2011 22:12

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.25(um)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 84387 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		10	2.0
71-55-6	1,1,1-Trichloroethane	16		10	2.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	2.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	2.0
79-00-5	1,1,2-Trichloroethane	ND		10	2.0
75-34-3	1,1-Dichloroethane	ND		10	2.0
75-35-4	1,1-Dichloroethene	ND		10	2.0
563-58-6	1,1-Dichloropropene	ND		10	2.0
87-61-6	1,2,3-Trichlorobenzene	ND		10	2.0
96-18-4	1,2,3-Trichloropropane	ND		10	2.0
120-82-1	1,2,4-Trichlorobenzene	ND		10	2.0
95-63-6	1,2,4-Trimethylbenzene	ND		10	2.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		50	2.0
95-50-1	1,2-Dichlorobenzene	ND		10	2.0
107-06-2	1,2-Dichloroethane	ND		10	2.0
78-87-5	1,2-Dichloropropane	ND		10	2.0
108-67-8	1,3,5-Trimethylbenzene	ND		10	2.0
541-73-1	1,3-Dichlorobenzene	ND		10	2.0
142-28-9	1,3-Dichloropropane	ND		10	2.0
106-46-7	1,4-Dichlorobenzene	ND		10	2.0
594-20-7	2,2-Dichloropropane	ND		10	2.0
78-93-3	2-Butanone (MEK)	ND		100	13
95-49-8	2-Chlorotoluene	ND		10	2.0
591-78-6	2-Hexanone	ND		100	20
106-43-4	4-Chlorotoluene	ND		10	2.0
99-87-6	4-Isopropyltoluene	ND		10	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	20
67-64-1	Acetone	ND		500	200
107-13-1	Acrylonitrile	ND		5.0	2.0
71-43-2	Benzene	ND		10	2.0
108-86-1	Bromobenzene	ND		10	2.0
75-25-2	Bromoform	ND		10	2.0
74-83-9	Bromomethane	ND		20	2.0
75-15-0	Carbon disulfide	ND	*	100	2.0
56-23-5	Carbon tetrachloride	ND	*	10	2.0
108-90-7	Chlorobenzene	ND		10	2.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: BC-GW-MW303-120111 Lab Sample ID: 360-37913-3

Matrix: Water Lab File ID: V22885.D

Analysis Method: 8260B Date Collected: 12/01/2011 16:00

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2011 22:12

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 84387 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		5.0	2.0
75-00-3	Chloroethane	ND		20	2.1
67-66-3	Chloroform	ND		10	2.0
74-87-3	Chloromethane	ND		20	2.0
156-59-2	cis-1,2-Dichloroethene	ND		10	2.0
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	2.0
74-95-3	Dibromomethane	ND		10	2.0
75-27-4	Dichlorobromomethane	ND		5.0	2.0
75-71-8	Dichlorodifluoromethane	ND		10	2.0
100-41-4	Ethylbenzene	ND		10	2.0
106-93-4	Ethylene Dibromide	ND		10	2.0
87-68-3	Hexachlorobutadiene	ND		4.0	2.0
98-82-8	Isopropylbenzene	ND		10	2.0
179601-23-1	m-Xylene & p-Xylene	ND		20	5.0
1634-04-4	Methyl tert-butyl ether	ND		10	2.0
75-09-2	Methylene Chloride	ND		20	10
104-51-8	n-Butylbenzene	ND		10	2.0
103-65-1	N-Propylbenzene	ND		10	2.0
91-20-3	Naphthalene	ND		50	20
95-47-6	o-Xylene	ND		10	2.0
135-98-8	sec-Butylbenzene	ND		10	2.0
100-42-5	Styrene	ND		10	2.0
98-06-6	tert-Butylbenzene	ND		10	2.0
127-18-4	Tetrachloroethene	ND		10	2.0
109-99-9	Tetrahydrofuran	ND		100	4.4
108-88-3	Toluene	ND		10	2.0
156-60-5	trans-1,2-Dichloroethene	ND		10	2.0
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	2.0
110-57-6	trans-1,4-Dichloro-2-butene	ND		50	2.0
79-01-6	Trichloroethene	160		10	3.3
75-69-4	Trichlorofluoromethane	ND		10	2.0
75-01-4	Vinyl chloride	ND		5.0	2.0
1330-20-7	Xylenes, Total	ND		10	2.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: BC-GW-MW303-120111 Lab Sample ID: 360-37913-3

Matrix: Water Lab File ID: V22885.D

Analysis Method: 8260B Date Collected: 12/01/2011 16:00

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2011 22:12

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.25(um)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 84387 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane	108		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22885.D
Lims ID: 360-37913-G-3 Client ID: BC-GW-MW303-120111
Inject. Date: 06-Dec-2011 22:12:30 Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 360-37913-G-3 10X
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 24
Lims Batch ID: 84387 Lims Sample ID: 23
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\WES2UNPR.m
Last Update: 08-Dec-2011 13:21:19 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 09-Dec-2011 10:29:55

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.879					
4 Vinyl chloride (SIM)	2	62		1.960					
3 Vinyl chloride	1	62		1.962					
5 Bromomethane	1	94		2.268					
6 Chloroethane	1	64		2.392					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.573					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45	2.948	2.934	0.014	50	532	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96		3.024					
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.080					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.385					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	48	1263	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	58	2273	0.3138	
20 Acetone	1	43	3.732	3.725	0.007	66	1895	1.75	
21 trans-1,2-Dichloroethene	1	61		3.864					
22 Methyl acetate	1	43		3.871					
23 Hexane	1	57		3.955					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.086					
26 Acetonitrile	1	40		4.281					
27 Isopropyl ether	1	45		4.441					
28 1,1-Dichloroethane	1	63		4.600					
29 Acrylonitrile	1	53		4.663					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1		4.749					7
33 Tert-butyl ethyl ether	1	59		4.878					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61		5.239					
35 2,2-Dichloropropane	1	77		5.371					
36 Chlorobromomethane	1	130		5.475					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83		5.565					
39 Ethyl acetate	1	43		5.718					
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.767					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	62	86933	21.5	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	33	5889	1.57	
45 2-Butanone (MEK)	1	43		5.940					
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.225					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.421					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	16330	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	233115	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.815					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.961					
56 Trichloroethene	1	95	6.975	6.975	0.0	97	39466	15.5	
58 2,4,4-Trimethyl-2-pentene	1	55		7.038					
59 Dibromomethane	1	93		7.517					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.753					
63 Methyl methacrylate	1	69		8.004					
64 1,4-Dioxane (SIM)	2	88	9.100	8.050	1.050	0	721	0	
65 1,4-Dioxane	1	88		8.059					
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	234946	20.2	
70 Toluene	1	92		9.192					
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166		9.804					
75 4-Methyl-2-pentanone (MIBK)	1	43		9.832					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.110					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43		10.895					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43		10.992					
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	82	181556	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.374					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.104					
93 Isopropylbenzene	1	105		12.382					
$ 94 BFB	1	95	12.667	12.667	0.0	98	89097	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	98	89097	19.6	
96 cis-1,4-Dichloro-2-butene	1	88		12.744					
97 Bromobenzene	1	77		12.765					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
102 1,2,3-Trichloropropane	1	110		13.015					
101 1,3,5-Trimethylbenzene	1	105		13.015					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119		13.327					
106 1,2,4-Trimethylbenzene	1	105		13.397					
107 sec-Butylbenzene	1	105		13.501					
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146		13.696					
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	102093	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.148					
114 1,2-Dichlorobenzene	1	146		14.168					
115 1,2-Dibromo-3-Chloropropane	1	157		14.891					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128		15.774					
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

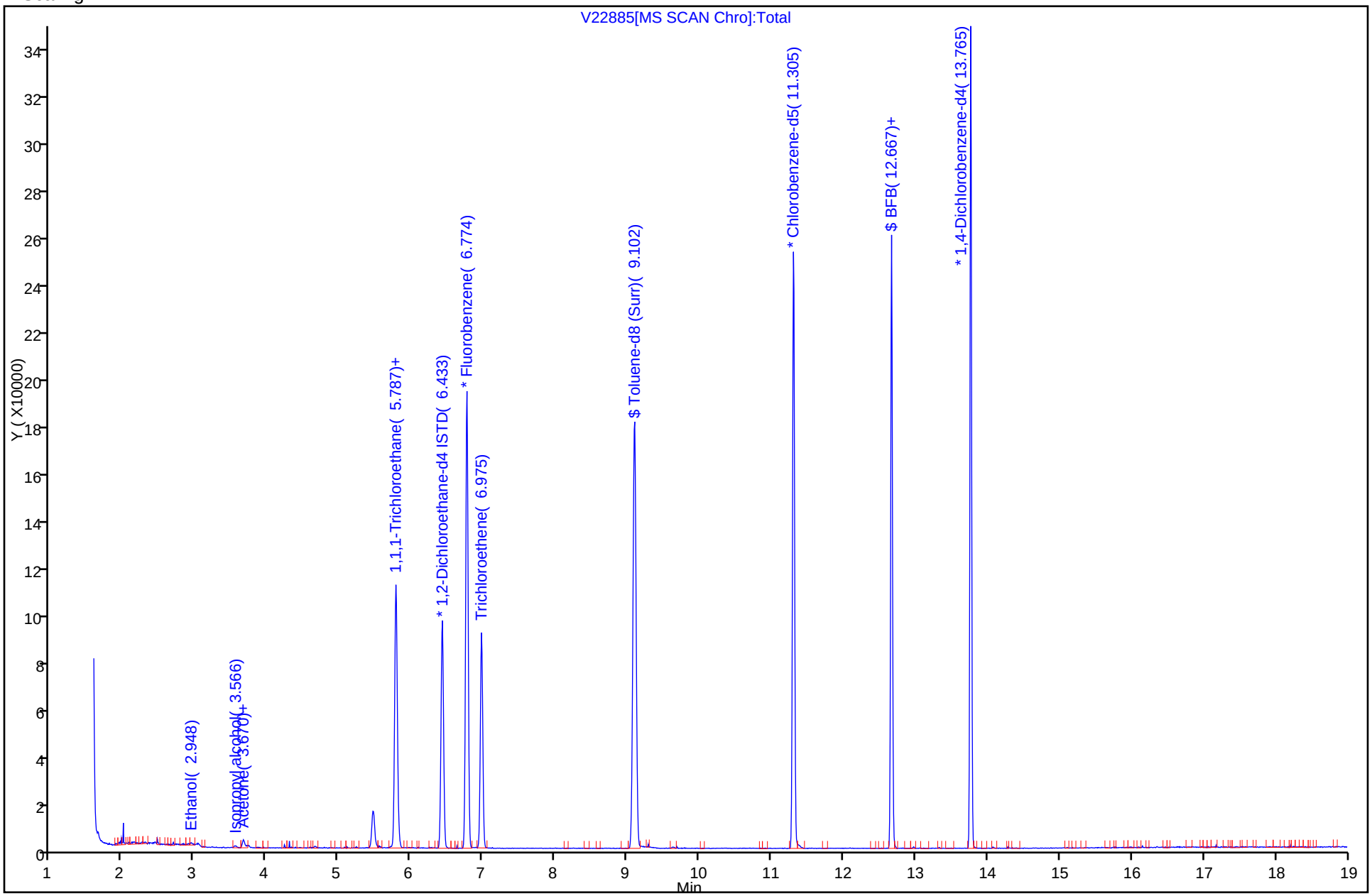
Processing Flags
7 - Failed Limit of Detection

Report Date: 09-Dec-2011 10:29:56 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22885.D

Injection Date:	06-Dec-2011 22:12:30	Limit Group:	VMS - 8260B VOA Calibration RCP
Client ID:	BC-GW-MW303-120111	Instrument ID:	Agilent#2 GC/MS
Lims Batch ID:	84387	Lims Sample ID:	23
Operator ID:	tph		

Y Scaling:



Report Date: 09-Dec-2011 10:29:56 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22885.D

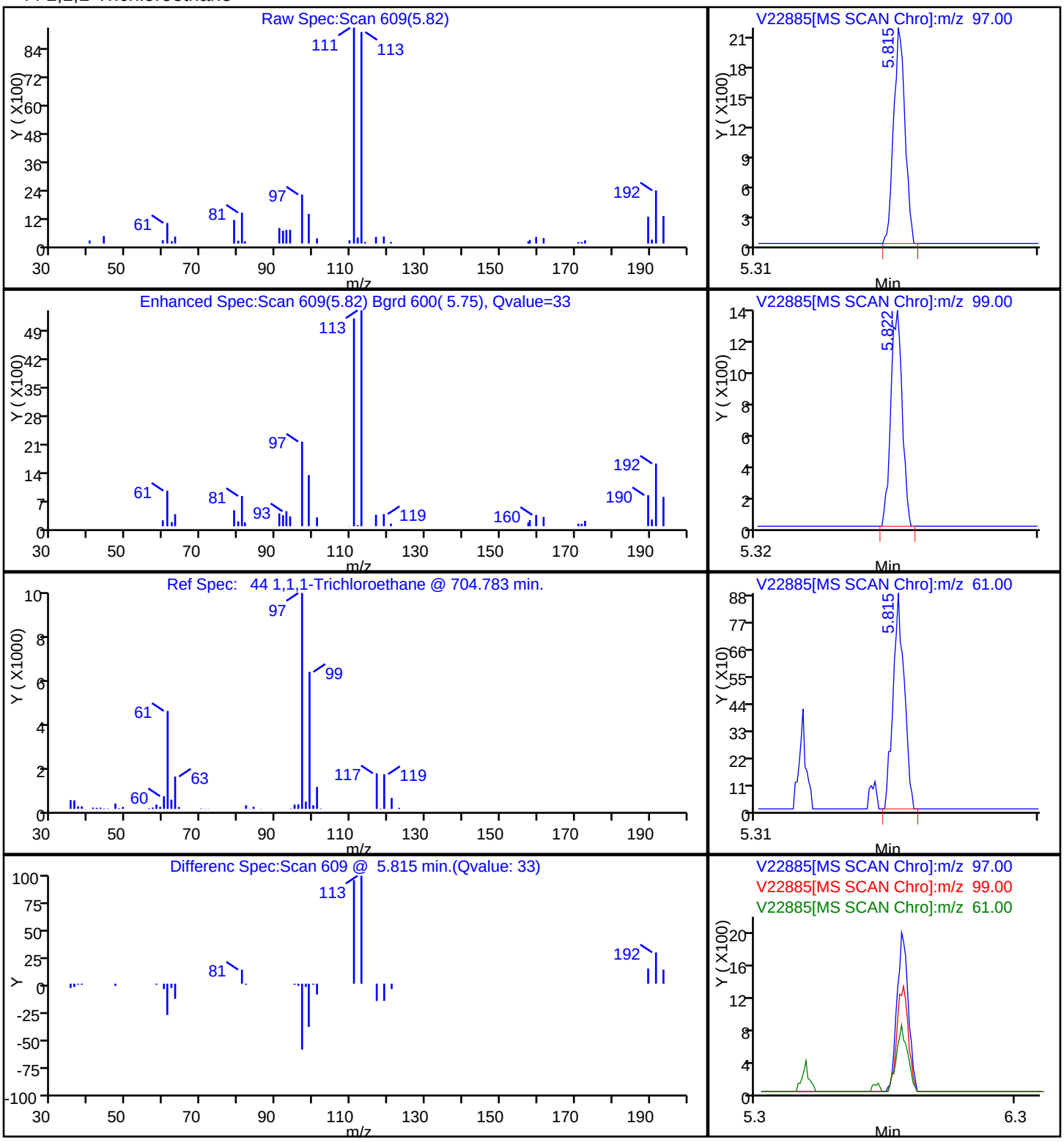
Injection Date: 06-Dec-2011 22:12:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-GW-MW303-120111 Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84387 Lims Sample ID: 23

Operator ID: tph

44 1,1,1-Trichloroethane



Report Date: 09-Dec-2011 10:29:56 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22885.D

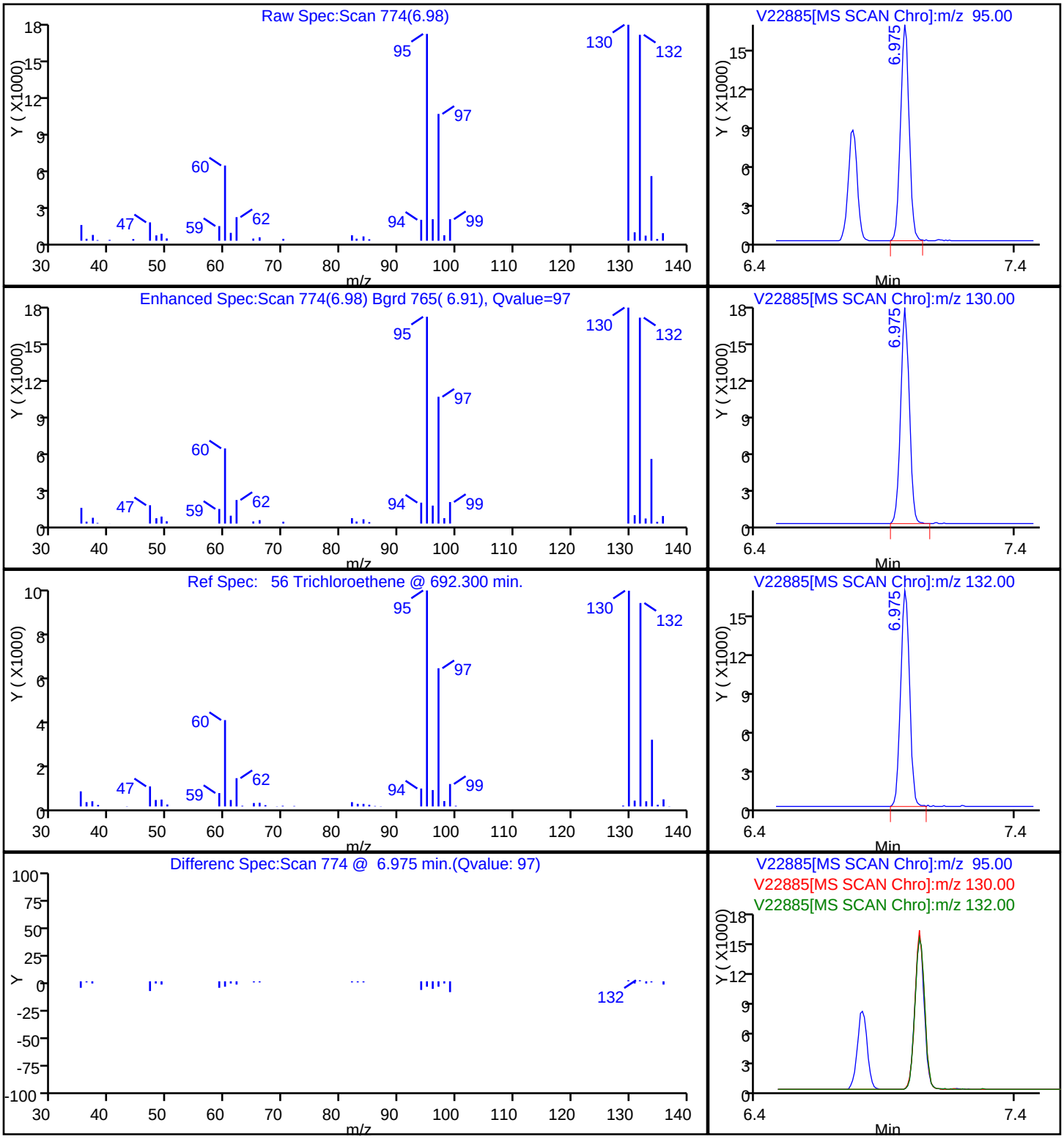
Injection Date: 06-Dec-2011 22:12:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: BC-GW-MW303-120111 Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84387 Lims Sample ID: 23

Operator ID: tph

56 Trichloroethene



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 84017

SDG No.:

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD03 360-84017/2	V22678.D
Level 2	STD05 360-84017/3	V22679.D
Level 3	STD1 360-84017/4	V22680.D
Level 4	STD5 360-84017/5	V22681.D
Level 5	STD10 360-84017/6	V22682.D
Level 6	STD20 360-84017/7	V22683.D
Level 7	STD40 360-84017/8	V22684.D
Level 8	STD80 360-84017/9	V22685.D
Level 9	STD160 360-84017/10	V22686.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								
Dichlorodifluoromethane	0.1976	0.1456 0.1789	0.1530 0.1676	0.1676 +++++	0.1679	Ave		0.1683				10.0		15.0			
Chloromethane	0.2486	0.2398 0.2271	0.2210 0.2289	0.2334 +++++	0.2279	Ave		0.2324			0.1000	4.0		15.0			
Vinyl chloride	0.2138	0.1895 0.1909	0.1777 0.1892	0.1901 +++++	0.1893	Ave		0.1915				5.6		15.0			
Bromomethane	0.1364	0.1169 0.1264	0.1330 0.1210	0.1271 +++++	0.1214	Ave		0.1260				5.5		15.0			
Chloroethane	0.1071	0.1283 0.0965	0.0979 0.0940	0.0987 +++++	0.0953	Ave		0.1025				12.0		15.0			
Trichlorofluoromethane	0.3074	0.2428 0.2743	0.2410 0.2684	0.2679 +++++	0.2606	Ave		0.2661				8.4		15.0			
1,1-Dichloroethene	0.2008	0.1989 0.2091	0.1804 0.1709	0.2204 +++++	0.1844	Ave		0.1950				8.9		15.0			
Carbon disulfide	0.5774	0.5315 0.6089	0.5039 0.5190	0.6235 +++++	0.5523	Ave		0.5595				8.1		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1552	0.1329 0.1511	0.1244 0.1299	0.1626 +++++	0.1344	Ave		0.1415				10.0		15.0			
Methylene Chloride	0.2746	0.4521 0.2634	0.3663 0.2393	0.2844 +++++	0.2583	Lin1	0.1169	0.2489							0.9970		0.9900
Acetone	1.3225	1.4047 1.3114	1.5249 1.2374	1.2294 +++++	1.2416	Ave		1.3246				8.2		15.0			
trans-1,2-Dichloroethene	0.3731	0.3263 0.3569	0.3030 0.3226	0.3734 +++++	0.3295	Ave		0.3407				8.0		15.0			
Methyl acetate	0.2609	0.2412 0.2675	0.2373 0.2606	0.2393 +++++	0.2432	Ave		0.2500				5.0		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
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 84017

SDG No.:

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

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								
Methyl tert-butyl ether	0.6925	0.6862 0.6924	0.6108 0.6545	0.7034 +++++	0.6290	Ave		0.6669				5.4		15.0			
1,1-Dichloroethane	0.4586	0.4209 0.4451	0.3850 0.4114	0.4587 +++++	0.4118	Ave		0.4274			0.1000	6.5		15.0			
Acrylonitrile	0.1220	0.1214 0.1239	0.1050 0.1172	0.1218 +++++	0.1113	Ave		0.1175				5.9		15.0			
cis-1,2-Dichloroethene	0.3590	0.3451 0.3523	0.3193 0.3244	0.3684 +++++	0.3236	Ave		0.3417				5.7		15.0			
2,2-Dichloropropane	0.2459	0.2613 0.2281	0.2129 0.2035	0.2526 +++++	0.2188	Lin1	0.0316	0.2166							0.9940		0.9900
Chloroform	0.4706	0.4892 0.4565	0.4163 0.4223	0.4848 +++++	0.4238	Ave		0.4519				6.9		15.0			
Carbon tetrachloride	0.2844	0.2467 0.2809	0.2229 0.2485	0.2718 +++++	0.2454	Ave		0.2572				8.7		15.0			
Tetrahydrofuran	0.1289	0.1377 0.1287	0.1185 0.1221	0.1291 +++++	0.1181	Ave		0.1262				5.6		15.0			
1,1,1-Trichloroethane	0.3516	0.3202 0.3356	0.2801 0.2990	0.3508 +++++	0.3063	Lin1	0.0076	0.3168							0.9950		0.9900
2-Butanone (MEK)	2.4984	2.0777 2.4854	2.3019 2.3961	2.0705 +++++	2.2643	Ave		2.2992				7.7		15.0			
1,1-Dichloropropene	0.3477	0.3107 0.3331	0.2915 0.2982	0.3430 +++++	0.3097	Ave		0.3191				6.9		15.0			
Benzene	1.0027	0.9781 0.9776	0.8840 0.8953	1.0151 +++++	0.9025	Ave		0.9508				5.8		15.0			
1,2-Dichloroethane	0.2745	0.2551 0.2691	0.2512 0.2533	0.2757 +++++	0.2514	Ave		0.2615				4.3		15.0			
Methylcyclohexane	0.3374	0.2858 0.3213	0.2527 0.3054	0.3060 +++++	0.2882	Ave		0.2996				9.1		15.0			
Trichloroethene	0.2327	0.2337 0.2206	0.1992 0.2004	0.2323 +++++	0.2056	Ave		0.2178				7.2		15.0			
Dibromomethane	0.1505	0.1634 0.1508	0.1245 0.1424	0.1559 +++++	0.1413	Ave		0.1470				8.5		15.0			
1,2-Dichloropropane	0.2204	0.2110 0.2210	0.1894 0.2043	0.2212 +++++	0.2012	Ave		0.2098				5.8		15.0			
Dichlorobromomethane	0.2688	0.2553 0.2660	0.2177 0.2467	0.2755 +++++	0.2401	Ave		0.2529				7.9		15.0			
cis-1,3-Dichloropropene	0.2845 0.3204	0.2802 0.3218	0.2609 0.3057	0.3151 +++++	0.2837	Ave		0.2965				7.5		15.0			
Toluene	0.4812	0.4735 0.4697	0.4245 0.4328	0.4891 +++++	0.4259	Ave		0.4567				6.1		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
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 84017

SDG No.:

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

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								
Tetrachloroethene	0.2366	0.2135 0.2274	0.1914 0.2046	0.2352 +++++	0.2114	Ave		0.2172				7.7		15.0			
4-Methyl-2-pentanone (MIBK)	4.0548	3.2892 3.8473	3.5316 3.6575	3.4421 +++++	3.6783	Ave		3.6430				7.0		15.0			
trans-1,3-Dichloropropene	0.2460 0.2925	0.2779 0.2939	0.2295 0.2778	0.2847 +++++	0.2629	Ave		0.2707				8.5		15.0			
1,1,2-Trichloroethane	0.1856	0.1720 0.1793	0.1685 0.1673	0.1899 +++++	0.1655	Ave		0.1754				5.5		15.0			
Chlorodibromomethane	0.2259	0.1892 0.2280	0.1676 0.2154	0.2159 +++++	0.1995	Lin1	-0.029	0.2199							0.9990		0.9900
1,3-Dichloropropane	0.3123	0.2787 0.3081	0.2595 0.2881	0.3111 +++++	0.2748	Ave		0.2904				7.1		15.0			
Ethylene Dibromide	0.2218	0.2280 0.2203	0.1804 0.2076	0.2219 +++++	0.2017	Ave		0.2117				7.8		15.0			
2-Hexanone	3.0482	2.3283 2.9125	2.5865 2.7447	2.6359 +++++	2.7376	Ave		2.7134				8.6		15.0			
Chlorobenzene	0.7845	0.7130 0.7608	0.6798 0.7152	0.8097 +++++	0.7167	Ave		0.7400			0.3000	6.2		15.0			
Ethylbenzene	1.3298	1.2420 1.2799	1.1065 1.1923	1.3359 +++++	1.1830	Ave		1.2385				6.8		15.0			
1,1,1,2-Tetrachloroethane	0.2574	0.2516 0.2573	0.2125 0.2410	0.2627 +++++	0.2291	Ave		0.2445				7.4		15.0			
m-Xylene & p-Xylene	1.0276	0.9555 1.0027	0.8563 0.9332	1.0372 +++++	0.9177	Ave		0.9615				6.8		15.0			
o-Xylene	1.0602	0.9837 1.0290	0.8569 0.9623	1.0692 +++++	0.9374	Ave		0.9855				7.6		15.0			
Styrene	0.8419	0.8088 0.8226	0.6744 0.7746	0.8103 +++++	0.7392	Ave		0.7817				7.4		15.0			
Bromoform	0.4421	0.3673 0.4556	0.3277 0.4652	0.4255 +++++	0.3826	Lin1	-0.097	0.4564			0.1000				0.9980		0.9900
Isopropylbenzene	1.2956	1.1271 1.2600	1.0279 1.1549	1.2854 +++++	1.1221	Ave		1.1819				8.5		15.0			
Bromobenzene	0.5837	0.5739 0.5717	0.5125 0.5321	0.5919 +++++	0.5211	Ave		0.5553				5.8		15.0			
N-Propylbenzene	1.5941	1.3890 1.5240	1.2880 1.3863	1.5684 +++++	1.3912	Ave		1.4487				7.9		15.0			
1,1,2,2-Tetrachloroethane	0.8335	0.8726 0.8370	0.7289 0.8084	0.8670 +++++	0.7623	Ave		0.8157			0.3000	6.5		15.0			
2-Chlorotoluene	0.9351	0.9020 0.8981	0.7771 0.8239	0.9283 +++++	0.8256	Ave		0.8700				7.0		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
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 84017

SDG No.:

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

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								
1,2,3-Trichloropropane	0.1135	0.1174 0.1098	0.1079 0.1015	0.1129 +++++	0.1035	Ave		0.1095				5.2		15.0			
1,3,5-Trimethylbenzene	1.1133	1.0276 1.0582	0.8565 0.9616	1.0990 +++++	0.9625	Ave		1.0112				9.0		15.0			
trans-1,4-Dichloro-2-butene	0.1127	0.0995 0.1156	0.0896 0.1106	0.1047 +++++	0.0981	Ave		0.1044				8.9		15.0			
4-Chlorotoluene	0.9953	0.9195 0.9547	0.8185 0.8787	1.0079 +++++	0.8897	Ave		0.9235				7.3		15.0			
tert-Butylbenzene	0.9181	0.8357 0.8746	0.7187 0.7986	0.9047 +++++	0.7972	Ave		0.8354				8.4		15.0			
1,2,4-Trimethylbenzene	1.1247	1.0393 1.0694	0.8542 0.9746	1.1134 +++++	0.9879	Ave		1.0233				9.2		15.0			
sec-Butylbenzene	1.4103	1.2093 1.3382	1.1033 1.1985	1.3945 +++++	1.2102	Ave		1.2663				9.1		15.0			
4-Isopropyltoluene	1.1301	0.9609 1.0791	0.8267 0.9737	1.1053 +++++	0.9772	Ave		1.0076				10.0		15.0			
1,3-Dichlorobenzene	0.6710	0.6292 0.6463	0.5396 0.5814	0.6725 +++++	0.5980	Ave		0.6197				8.0		15.0			
1,4-Dichlorobenzene	1.2368	1.1825 1.2091	1.0456 1.1530	1.2928 +++++	1.1258	Ave		1.1779				6.8		15.0			
n-Butylbenzene	2.0341	1.7018 1.9834	1.5371 1.8633	2.0052 +++++	1.7722	Ave		1.8424				9.9		15.0			
1,2-Dichlorobenzene	1.1346	1.1105 1.1066	0.9555 1.0655	1.1312 +++++	1.0158	Ave		1.0742				6.2		15.0			
1,2-Dibromo-3-Chloropropane	0.1692	0.1603 0.1675	0.1336 0.1711	0.1619 +++++	0.1440	Lin1	-0.021	0.1686							0.9980		0.9900
Hexachlorobutadiene	0.2964 0.3753	0.3170 0.3604	0.2944 0.3371	0.3642 +++++	0.3154	Ave		0.3325				9.5		15.0			
1,2,4-Trichlorobenzene	0.7298	0.6649 0.7176	0.5999 0.7164	0.7234 +++++	0.6400	Ave		0.6846				7.4		15.0			
Naphthalene	2.0953	1.6991 2.1011	1.6083 2.1358	1.9535 +++++	1.7709	Lin1	-0.407	2.1061							0.9980		0.9900
1,2,3-Trichlorobenzene	0.6901	0.6059 0.6788	0.5673 0.6890	0.6705 +++++	0.5963	Ave		0.6425				7.9		15.0			
Dibromofluoromethane	0.3493	0.3466 0.3457	0.3464 0.3401	0.3499 +++++	0.3506	Ave		0.3469				1.0		15.0			
Toluene-d8 (Surr)	1.0058	0.9914 1.0107	0.9980 1.0056	0.9883 +++++	1.0012	Ave		1.0001				0.8		15.0			
4-Bromofluorobenzene	0.5046	0.4978 0.5040	0.4978 0.4988	0.5026 +++++	0.4999	Ave		0.5008				0.6		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
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 84017

SDG No.:

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD03 360-84017/2	V22678.D
Level 2	STD05 360-84017/3	V22679.D
Level 3	STD1 360-84017/4	V22680.D
Level 4	STD5 360-84017/5	V22681.D
Level 5	STD10 360-84017/6	V22682.D
Level 6	STD20 360-84017/7	V22683.D
Level 7	STD40 360-84017/8	V22684.D
Level 8	STD80 360-84017/9	V22685.D
Level 9	STD160 360-84017/10	V22686.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
Dichlorodifluoromethane	FB	Ave	61639	1118 117399	2390 222437	13196 +++++	26916	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Chloromethane	FB	Ave	77575	1841 149000	3453 303780	18375 +++++	36539	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Vinyl chloride	FB	Ave	66699	1455 125299	2777 251057	14966 +++++	30349	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Bromomethane	FB	Ave	42545	897 82916	2078 160632	10003 +++++	19465	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Chloroethane	FB	Ave	33409	985 63349	1529 124755	7773 +++++	15278	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Trichlorofluoromethane	FB	Ave	95918	1864 179985	3765 356277	21093 +++++	41781	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,1-Dichloroethene	FB	Ave	62639	1527 137185	2819 226847	17356 +++++	29570	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Carbon disulfide	FB	Ave	180157	4080 399583	7873 688853	49093 +++++	88540	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	48421	1020 99151	1943 172445	12800 +++++	21544	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Methylene Chloride	FB	Lin1	85683	3470 172813	5724 317686	22390 +++++	41406	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Acetone	12DC E	Ave	267524	7221 558688	15707 1101065	63614 +++++	134932	200	5.00 400	10.0 800	50.0 +++++	100
trans-1,2-Dichloroethene	FB	Ave	116395	2505 234214	4735 428148	29397 +++++	52823	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Methyl acetate	FB	Ave	813967	18511 1755414	37082 3458862	188396 +++++	389933	200	5.00 400	10.0 800	50.0 +++++	100
Methyl tert-butyl ether	FB	Ave	216055	5267 454343	9543 868720	55379 +++++	100838	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 84017

SDG No.:

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
1,1-Dichloroethane	FB	Ave	143070	3231 292091	6016 545984	36113 +++++	66026	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Acrylonitrile	FB	Ave	38067	932 81302	1641 155535	9588 +++++	17848	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
cis-1,2-Dichloroethene	FB	Ave	112005	2649 231198	4989 430636	29009 +++++	51887	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
2,2-Dichloropropane	FB	Lin1	76713	2006 149668	3326 270083	19887 +++++	35079	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Chloroform	FB	Ave	146837	3755 299536	6505 560488	38173 +++++	67943	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Carbon tetrachloride	FB	Ave	88722	1894 184348	3483 329841	21403 +++++	39338	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Tetrahydrofuran	FB	Ave	402230	10571 844479	18518 1620613	101621 +++++	189420	200	5.00 400	10.0 800	50.0 +++++	100
1,1,1-Trichloroethane	FB	Lin1	109695	2458 220245	4376 396902	27620 +++++	49100	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
2-Butanone (MEK)	12DCE	Ave	505385	10681 1058823	23711 2132029	107135 +++++	246081	200	5.00 400	10.0 800	50.0 +++++	100
1,1-Dichloropropene	FB	Ave	108483	2385 218587	4554 395840	27005 +++++	49648	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Benzene	FB	Ave	312857	7508 641481	13812 1188261	79923 +++++	144701	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2-Dichloroethane	FB	Ave	85637	1958 176577	3925 336218	21703 +++++	40308	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Methylcyclohexane	FB	Ave	105284	2194 210842	3949 405337	24092 +++++	46211	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Trichloroethene	FB	Ave	72601	1794 144751	3113 265984	18291 +++++	32968	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Dibromomethane	FB	Ave	46960	1254 98987	1945 189020	12273 +++++	22651	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2-Dichloropropane	FB	Ave	68753	1620 145047	2960 271198	17413 +++++	32253	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Dichlorobromomethane	FB	Ave	83865	1960 174576	3401 327461	21691 +++++	38501	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
cis-1,3-Dichloropropene	FB	Ave	1331 99961	2151 211163	4077 405740	24810 +++++	45478	0.300 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Toluene	FB	Ave	150149	3635 308222	6632 574457	38512 +++++	68280	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Tetrachloroethene	FB	Ave	73812	1639 149227	2991 271605	18516 +++++	33892	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
4-Methyl-2-pentanone (MIBK)	12DCE	Ave	820204	16909 1639012	36377 3254440	178102 +++++	399763	200	5.00 400	10.0 800	50.0 +++++	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 84017

SDG No.:

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
trans-1,3-Dichloropropene	FB	Ave	1151 91255	2133 192870	3586 368762	22416 +++++	42149	0.300 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,1,2-Trichloroethane	FB	Ave	 57907	1320 117637	2632 222032	14948 +++++	26538	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Chlorodibromomethane	FB	Lin1	 70474	1452 149592	2618 285921	16997 +++++	31987	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,3-Dichloropropane	FB	Ave	 97446	2139 202196	4055 382410	24491 +++++	44063	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Ethylene Dibromide	FB	Ave	 69192	1750 144558	2819 275524	17472 +++++	32338	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
2-Hexanone	12DCE	Ave	 616584	11969 1240778	26642 2442235	136386 +++++	297519	 200	5.00 400	10.0 800	50.0 +++++	100
Chlorobenzene	CBZ	Ave	 175465	3947 355278	7652 665517	45781 +++++	82230	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Ethylbenzene	CBZ	Ave	 297412	6875 597705	12454 1109496	75535 +++++	135735	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	 57576	1393 120160	2392 224255	14855 +++++	26286	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
m-Xylene & p-Xylene	CBZ	Ave	 459662	10578 936530	19277 1736779	117285 +++++	210585	 40.0	1.00 80.0	2.00 160	10.0 +++++	20.0
o-Xylene	CBZ	Ave	 237115	5445 480528	9645 895407	60453 +++++	107551	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Styrene	CBZ	Ave	 188305	4477 384176	7591 720802	45814 +++++	84811	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Bromoform	DCB	Lin1	 54823	1102 115519	1990 224549	13077 +++++	23968	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Isopropylbenzene	CBZ	Ave	 289772	6239 588427	11569 1074704	72677 +++++	128747	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Bromobenzene	CBZ	Ave	 130547	3177 266998	5769 495093	33466 +++++	59788	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
N-Propylbenzene	CBZ	Ave	 356523	7689 711686	14497 1290025	88679 +++++	159615	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	 103357	2618 212204	4426 390183	26645 +++++	47752	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
2-Chlorotoluene	CBZ	Ave	 209144	4993 419391	8747 766656	52486 +++++	94730	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2,3-Trichloropropane	CBZ	Ave	 25385	650 51273	1214 94445	6383 +++++	11874	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	 249000	5688 494180	9640 894759	62137 +++++	110435	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
trans-1,4-Dichloro-2-butene	CBZ	Ave	 25205	551 53992	1009 102929	5919 +++++	11250	 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 84017

SDG No.:

Instrument ID: Agilent#2 GC/MS GC Column: RTX-VMS ID: 0.25(um) Heated Purge: (Y/N) N

Calibration Start Date: 11/29/2011 19:37 Calibration End Date: 11/29/2011 22:31 Calibration ID: 16519

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
4-Chlorotoluene	CBZ	Ave	222600	5090 445830	9213 817626	56991 +++++	102077	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
tert-Butylbenzene	CBZ	Ave	205338	4626 408449	8089 743108	51152 +++++	91472	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2,4-Trimethylbenzene	CBZ	Ave	251540	5753 499407	9614 906856	62954 +++++	113346	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
sec-Butylbenzene	CBZ	Ave	315427	6694 624957	12418 1115253	78847 +++++	138848	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
4-Isopropyltoluene	CBZ	Ave	252754	5319 503961	9305 906043	62494 +++++	112120	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,3-Dichlorobenzene	CBZ	Ave	150083	3483 301824	6073 541007	38022 +++++	68612	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,4-Dichlorobenzene	DCB	Ave	153366	3548 306536	6349 556479	39729 +++++	70523	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
n-Butylbenzene	DCB	Ave	252236	5106 502849	9334 899329	61624 +++++	111015	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2-Dichlorobenzene	DCB	Ave	140697	3332 280566	5802 514271	34762 +++++	63634	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1	20980	481 42470	811 82563	4975 +++++	9018	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Hexachlorobutadiene	DCB	Ave	530 46539	951 91374	1788 162715	11191 +++++	19758	0.300 20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2,4-Trichlorobenzene	DCB	Ave	90494	1995 181922	3643 345793	22232 +++++	40090	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Naphthalene	DCB	Lin1	259829	5098 532692	9766 1030854	60035 +++++	110934	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
1,2,3-Trichlorobenzene	DCB	Ave	85572	1818 172087	3445 332524	20607 +++++	37351	20.0	0.500 40.0	1.00 80.0	5.00 +++++	10.0
Dibromofluoromethane	FB	Ave	108981	106432 113437	108249 112852	110188 +++++	112419	20.0	20.0 20.0	20.0 20.0	20.0 +++++	20.0
Toluene-d8 (Surr)	FB	Ave	313816	304402 331595	311880 333690	311239 +++++	321042	20.0	20.0 20.0	20.0 20.0	20.0 +++++	20.0
4-Bromofluorobenzene	CBZ	Ave	112860	110225 117688	112051 116034	113677 +++++	114713	20.0	20.0 20.0	20.0 20.0	20.0 +++++	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Report Date: 01-Dec-2011 11:15:04 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22678.D
Lims ID: STD03 Client ID:
Inject. Date: 29-Nov-2011 19:37:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD03
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 84017 Lims Sample ID: 2
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:15:02 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:15:02

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	29	613	0.2335	
2 Chloromethane	1	50	1.879	1.879	0.0	52	1164	0.3212	
3 Vinyl chloride	1	62	1.962	1.955	0.007	39	827	0.2769	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	897	0	
5 Bromomethane	1	94	2.268	2.261	0.007	26	654	0.3328	
6 Chloroethane	1	64	2.386	2.386	0.0	49	678	0.4239	
7 Trichlorofluoromethane	1	101	2.504	2.518	-0.014	38	1110	0.2675	
8 Dichlorofluoromethane	1	67	2.573	2.566	0.007	6	1462	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	71	894	0	
10 Ethanol	1	45	2.948	2.934	0.014	53	972	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	20	843	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	59	910	0.2992	
13 Carbon disulfide	1	76	3.059	3.059	0.0	95	2361	0.2706	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	1	543	0.2461	
15 Iodomethane	1	142	3.184	3.184	0.0	74	1494	0	
16 Acrolein	1	56	3.392	3.385	0.007	88	9312	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	47	693	0	
18 Isopropyl alcohol	1	45	3.559	3.552	0.007	77	5847	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	83	2376	0.1423	
20 Acetone	1	43	3.726	3.726	0.0	89	5150	3.69	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	13	1537	0.2893	
22 Methyl acetate	1	43	3.878	3.871	0.007	91	10606	2.72	
23 Hexane	1	57	3.955	3.962	-0.007	53	1928	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	64	3158	0.3036	
25 2-Methyl-2-propanol	1	59	4.087	4.087	0.0	43	1620	0	
26 Acetonitrile	1	40	4.274	4.288	-0.014	83	481	0	
27 Isopropyl ether	1	45	4.441	4.441	0.0	84	3404	0	
28 1,1-Dichloroethane	1	63	4.593	4.600	-0.007	22	1930	0.2896	
29 Acrylonitrile	1	53	4.656	4.663	-0.007	60	506	0.2761	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.670	4.663	0.007	1	826	0	
S 31 1,2-Dichloroethene, Total	1	1				0		0.5718	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	30	3093	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	96	16222	0	
34 cis-1,2-Dichloroethene	1	61	5.246	5.239	0.007	14	1506	0.2825	
35 2,2-Dichloropropane	1	77	5.378	5.371	0.007	41	1123	0.1865	
36 Chlorobromomethane	1	130	5.489	5.475	0.014	1	618	0	M
37 Cyclohexane	1	56	5.475	5.482	-0.007	16	1486	0	
38 Chloroform	1	83	5.565	5.565	0.0	40	2052	0.2911	
39 Ethyl acetate	1	43	5.725	5.718	0.007	97	16152	0	
41 Carbon tetrachloride	1	117	5.718	5.732	-0.014	4	1201	0.2993	M
40 Tetrahydrofuran	1	42	5.760	5.753	0.007	46	6635	3.37	
42 sec-Butyl Alcohol	1	59	5.774	5.767	0.007	9	1296	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	72	108140	20.0	
44 1,1,1-Trichloroethane	1	97	5.822	5.822	0.0	49	1569	0.2935	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	90	7253	3.00	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	37	1411	0.2835	
47 n-Heptane	1	43	6.232	6.225	0.007	57	1435	0	
48 Benzene	1	78	6.266	6.266	0.0	80	4301	0.2900	
50 Propionitrile	1	54	6.426	6.405	0.021	21	162	0	
49 Tert-amyl methyl ether	1	73	6.405	6.412	-0.007	28	2986	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	21057	20.0	
52 1,2-Dichloroethane	1	62	6.523	6.516	0.007	1	1188	0.2913	
* 53 Fluorobenzene	1	96	6.774	6.774	0.0	99	311937	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	1	599	0	
54 Isopropyl acetate	1	43	6.836	6.829	0.007	48	15816	0	
57 Methylcyclohexane	1	83	6.961	6.961	0.0	56	1123	0.2404	
56 Trichloroethene	1	95	6.975	6.975	0.0	48	1095	0.3223	
58 2,4,4-Trimethyl-2-pentene	1	55	7.045	7.038	0.007	37	1528	0	
59 Dibromomethane	1	93	7.510	7.517	-0.007	51	673	0.2936	
S 61 1,3-Dichloropropene, Total	1	1				0		0.5604	
60 1,2-Dichloropropane	1	63	7.670	7.663	0.007	15	812	0.2482	
62 Dichlorobromomethane	1	83	7.747	7.754	-0.007	13	1011	0.2563	
63 Methyl methacrylate	1	69	8.018	8.004	0.014	23	720	0	
64 1,4-Dioxane (SIM)	2	88	8.057	8.050	0.007	0	123	0	
65 1,4-Dioxane	1	88		8.052					
66 n-Propyl acetate	1	43	8.233	8.233	0.0	96	12609	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	77	5377	0	
68 cis-1,3-Dichloropropene	1	75	8.768	8.761	0.007	20	1331	0.2878	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	310158	19.9	
70 Toluene	1	92	9.199	9.192	0.007	65	2469	0.3466	
72 2-Nitropropane	1	39	9.588	9.581	0.007	55	1319	0	
73 sec-Butyl acetate	1	43	9.588	9.581	0.007	91	17231	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	54	890	0.2628	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.839	9.839	0.0	93	10078	2.63	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	16	1151	0.2727	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	95	18089	0	
78 1,1,2-Trichloroethane	1	83	10.103	10.110	-0.007	23	745	0.2723	
79 Ethyl methacrylate	1	69	10.144	10.151	-0.007	1	1140	0	M
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	17	843	0.3769	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	50	1360	0.3003	
82 Ethylene Dibromide	1	107	10.645	10.652	-0.007	28	971	0.2941	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.902	10.895	0.007	95	14185	0	
84 2-Hexanone	1	43	10.999	10.992	0.007	94	7325	2.56	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	86	224971	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	38	2425	0.2913	
87 Ethylbenzene	1	91	11.375	11.375	0.0	24	4011	0.2879	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	33	735	0.2672	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	93	6342	0.5864	
S 71 Xylenes, Total	1	1				0		0.8741	
90 o-Xylene	1	91	12.042	12.035	0.007	73	3189	0.2877	
91 Styrene	1	104	12.097	12.097	0.0	47	2475	0.2815	
92 Bromoform	1	173	12.104	12.104	0.0	13	652	0.4524	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	65	3578	0.2691	
$ 94 BFB	1	95	12.667	12.667	0.0	93	111039	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	93	111039	19.7	
96 cis-1,4-Dichloro-2-butene	1	88	12.744	12.751	-0.007	0	304	0	
97 Bromobenzene	1	77	12.765	12.765	0.0	66	1927	0.3085	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	66	4560	0.2798	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	24	1275	0.2622	
100 2-Chlorotoluene	1	91	12.966	12.959	0.007	61	2713	0.2772	
102 1,2,3-Trichloropropane	1	110	13.022	13.015	0.007	28	346	0.2809	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	65	2990	0.2629	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	1	290	0.2469	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	60	2655	0.2556	
105 tert-Butylbenzene	1	119	13.328	13.328	0.0	66	2480	0.2639	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	69	3149	0.2736	
107 sec-Butylbenzene	1	105	13.494	13.501	-0.007	54	3692	0.2592	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	69	2848	0.2513	
109 1,3-Dichlorobenzene	1	146	13.703	13.696	0.007	41	1995	0.2862	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	95	119214	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	35	2104	0.2997	
112 n-Butylbenzene	1	91	14.030	14.030	0.0	68	2867	0.2611	
113 Hexachloroethane	1	117	14.148	14.148	0.0	41	487	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.169	0.006	56	1928	0.3011	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	1	253	0.3788	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	32	1231	0	
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225	15.461	15.454	0.007	1	530	0.2674	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	26	1052	0.2578	
120 Naphthalene	1	128	15.781	15.774	0.007	57	3295	0.4557	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	31	1063	0.2775	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 01-Dec-2011 11:15:04 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22678.D

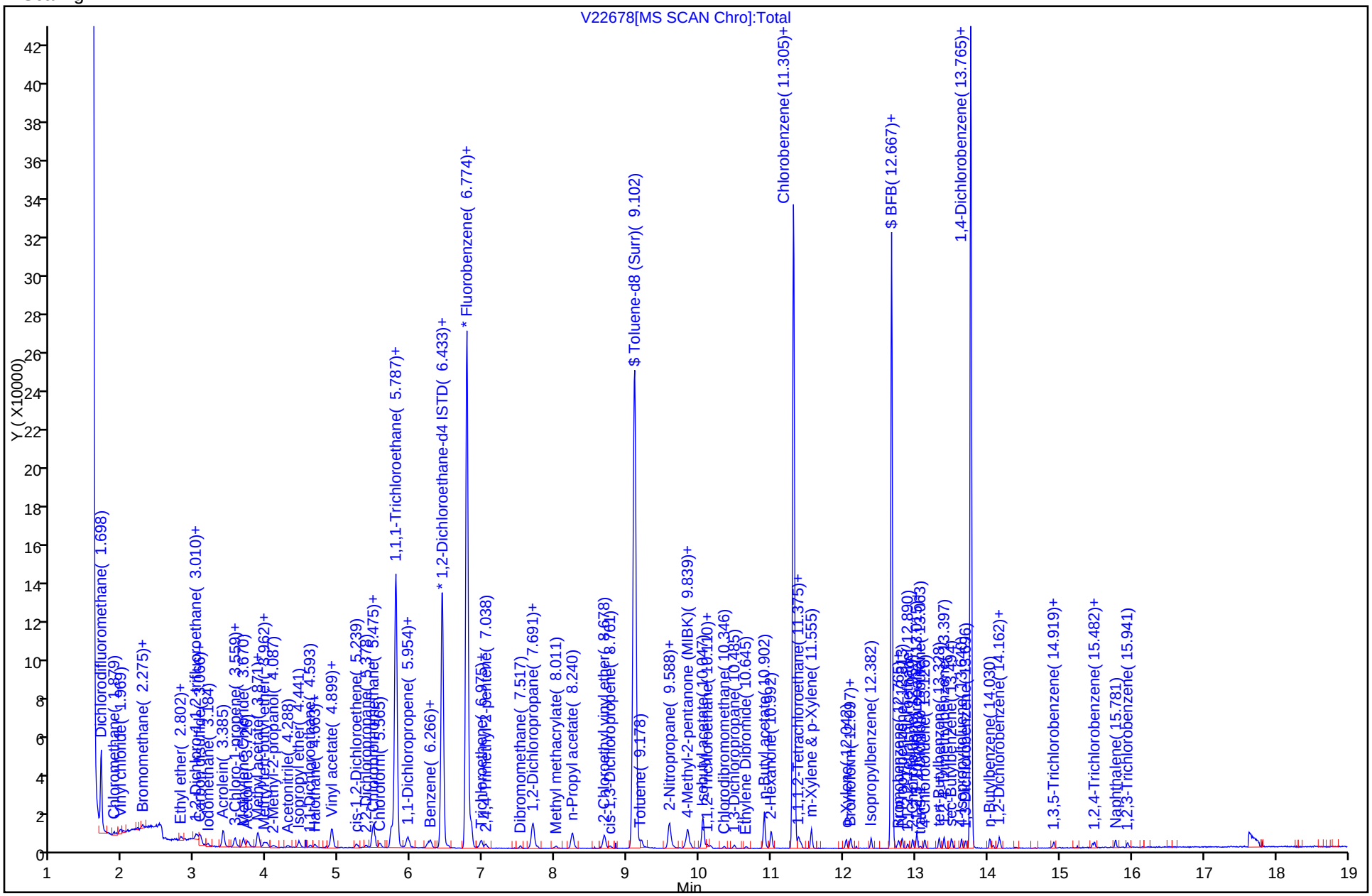
Injection Date: 29-Nov-2011 19:37:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 2

Operator ID: tph

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22679.D
Lims ID: STD05 Client ID:
Inject. Date: 29-Nov-2011 19:59:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD05
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 84017 Lims Sample ID: 3
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:15:16 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:15:16

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	63	1118	0.4327	
2 Chloromethane	1	50	1.879	1.879	0.0	75	1841	0.5160	
3 Vinyl chloride	1	62	1.962	1.955	0.007	63	1455	0.4949	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	1493	0	
5 Bromomethane	1	94	2.268	2.261	0.007	59	897	0.4637	
6 Chloroethane	1	64	2.393	2.386	0.007	65	985	0.6257	
7 Trichlorofluoromethane	1	101	2.511	2.518	-0.007	41	1864	0.4563	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	54	2441	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	80	1381	0	
10 Ethanol	1	45	2.934	2.934	0.0	90	1222	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.011	3.010	0.001	49	1289	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	71	1527	0.5101	
13 Carbon disulfide	1	76	3.059	3.059	0.0	67	4080	0.4750	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.066	3.073	-0.007	1	1020	0.4696	
15 Iodomethane	1	142	3.184	3.184	0.0	80	2453	0	
16 Acrolein	1	56	3.392	3.385	0.007	87	16258	0	
17 3-Chloro-1-propene	1	76	3.545	3.552	-0.007	49	849	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	88	7752	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	80	3470	0.4384	
20 Acetone	1	43	3.733	3.726	0.007	97	7221	5.30	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	19	2505	0.4789	
22 Methyl acetate	1	43	3.878	3.871	0.007	98	18511	4.82	
23 Hexane	1	57	3.962	3.962	0.0	62	3273	0	
24 Methyl tert-butyl ether	1	73	3.996	3.989	0.007	57	5267	0.5144	
25 2-Methyl-2-propanol	1	59	4.094	4.087	0.007	47	2644	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	93	1509	0	
27 Isopropyl ether	1	45	4.441	4.441	0.0	88	5623	0	
28 1,1-Dichloroethane	1	63	4.593	4.600	-0.007	36	3231	0.4925	
29 Acrylonitrile	1	53	4.663	4.663	0.0	76	932	0.5166	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.670	4.663	0.007	29	1476	0	
S 31 1,2-Dichloroethene, Total	1	1				0		0.9838	
33 Tert-butyl ethyl ether	1	59	4.878	4.885	-0.007	57	5378	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	27281	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	42	2649	0.5049	
35 2,2-Dichloropropane	1	77	5.378	5.371	0.007	53	2006	0.4574	
36 Chlorobromomethane	1	130	5.482	5.475	0.007	36	1559	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	38	2534	0	
38 Chloroform	1	83	5.565	5.565	0.0	53	3755	0.5412	
39 Ethyl acetate	1	43	5.725	5.718	0.007	98	24881	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	4	1894	0.4796	
40 Tetrahydrofuran	1	42	5.760	5.753	0.007	57	10571	5.46	
42 sec-Butyl Alcohol	1	59	5.774	5.767	0.007	15	2237	0	
$ 43 Dibromofluoromethane	1	113	5.788	5.787	0.001	70	106432	20.0	
44 1,1,1-Trichloroethane	1	97	5.815	5.822	-0.007	1	2458	0.4813	
45 2-Butanone (MEK)	1	43	5.947	5.940	0.007	91	10681	4.52	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	65	2385	0.4868	
47 n-Heptane	1	43	6.232	6.225	0.007	78	2164	0	
48 Benzene	1	78	6.267	6.266	0.001	93	7508	0.5144	
50 Propionitrile	1	54	6.433	6.405	0.028	1	131	0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	39	5174	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	20563	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	1	1958	0.4878	
* 53 Fluorobenzene	1	96	6.774	6.774	0.0	99	307043	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.808	6.822	-0.014	0	1598	0	M
54 Isopropyl acetate	1	43	6.829	6.829	0.0	65	27055	0	
57 Methylcyclohexane	1	83	6.961	6.961	0.0	62	2194	0.4771	
56 Trichloroethene	1	95	6.975	6.975	0.0	64	1794	0.5365	
58 2,4,4-Trimethyl-2-pentene	1	55	7.031	7.038	-0.007	65	2427	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	75	1254	0.5558	
S 61 1,3-Dichloropropene, Total	1	1				0		0.9858	
60 1,2-Dichloropropane	1	63	7.656	7.663	-0.007	35	1620	0.5030	
62 Dichlorobromomethane	1	83	7.747	7.754	-0.007	44	1960	0.5049	
63 Methyl methacrylate	1	69	8.011	8.004	0.007	33	1203	0	
64 1,4-Dioxane (SIM)	2	88	8.057	8.050	0.007	0	239	0	
65 1,4-Dioxane	1	88		8.052					
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	20855	0	
67 2-Chloroethyl vinyl ether	1	63	8.685	8.678	0.007	81	9524	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	29	2151	0.4725	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	304402	19.8	
70 Toluene	1	92	9.185	9.192	-0.007	64	3635	0.5185	
72 2-Nitropropane	1	39	9.581	9.581	0.0	55	2062	0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	97	29169	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	57	1639	0.4916	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.839	9.839	0.0	89	16909	4.51	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	36	2133	0.5133	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	31552	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.110	0.0	31	1320	0.4901	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	39	1879	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	29	1452	0.5613	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	60	2139	0.4798	
82 Ethylene Dibromide	1	107	10.645	10.652	-0.007	35	1750	0.5385	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.902	10.895	0.007	98	23353	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	95	11969	4.29	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	86	221419	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	38	3947	0.4818	
87 Ethylbenzene	1	91	11.375	11.375	0.0	30	6875	0.5014	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	37	1393	0.5146	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	95	10578	0.99	
S 71 Xylenes, Total	1	1				0		1.49	
90 o-Xylene	1	91	12.042	12.035	0.007	87	5445	0.4991	
91 Styrene	1	104	12.097	12.097	0.0	64	4477	0.5173	
92 Bromoform	1	173	12.104	12.104	0.0	34	1102	0.6151	
93 Isopropylbenzene	1	105	12.389	12.382	0.007	73	6239	0.4768	
$ 94 BFB	1	95	12.667	12.667	0.0	93	110225	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	93	110225	19.9	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	439	0	
97 Bromobenzene	1	77	12.765	12.765	0.0	77	3177	0.5168	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	70	7689	0.4794	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	32	2618	0.5349	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	87	4993	0.5184	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	32	650	0.5362	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	69	5688	0.5081	
103 trans-1,4-Dichloro-2-butene	1	53	13.064	13.063	0.001	1	551	0.4767	
104 4-Chlorotoluene	1	91	13.133	13.126	0.007	76	5090	0.4979	
105 tert-Butylbenzene	1	119	13.328	13.328	0.0	71	4626	0.5002	
106 1,2,4-Trimethylbenzene	1	105	13.390	13.397	-0.007	80	5753	0.5078	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	69	6694	0.4775	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	80	5319	0.4768	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	68	3483	0.5077	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	94	120015	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	36	3548	0.5020	
112 n-Butylbenzene	1	91	14.030	14.030	0.0	83	5106	0.4618	
113 Hexachloroethane	1	117	14.148	14.148	0.0	67	842	0	
114 1,2-Dichlorobenzene	1	146	14.176	14.169	0.007	78	3332	0.5169	
115 1,2-Dibromo-3-Chloropropane	1	157	14.891	14.898	-0.007	1	481	0.6025	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	61	2085	0	
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225	15.461	15.454	0.007	28	951	0.4766	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	54	1995	0.4856	
120 Naphthalene	1	128	15.774	15.774	0.0	77	5098	0.5966	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	56	1818	0.4715	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 01-Dec-2011 11:15:18 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22679.D

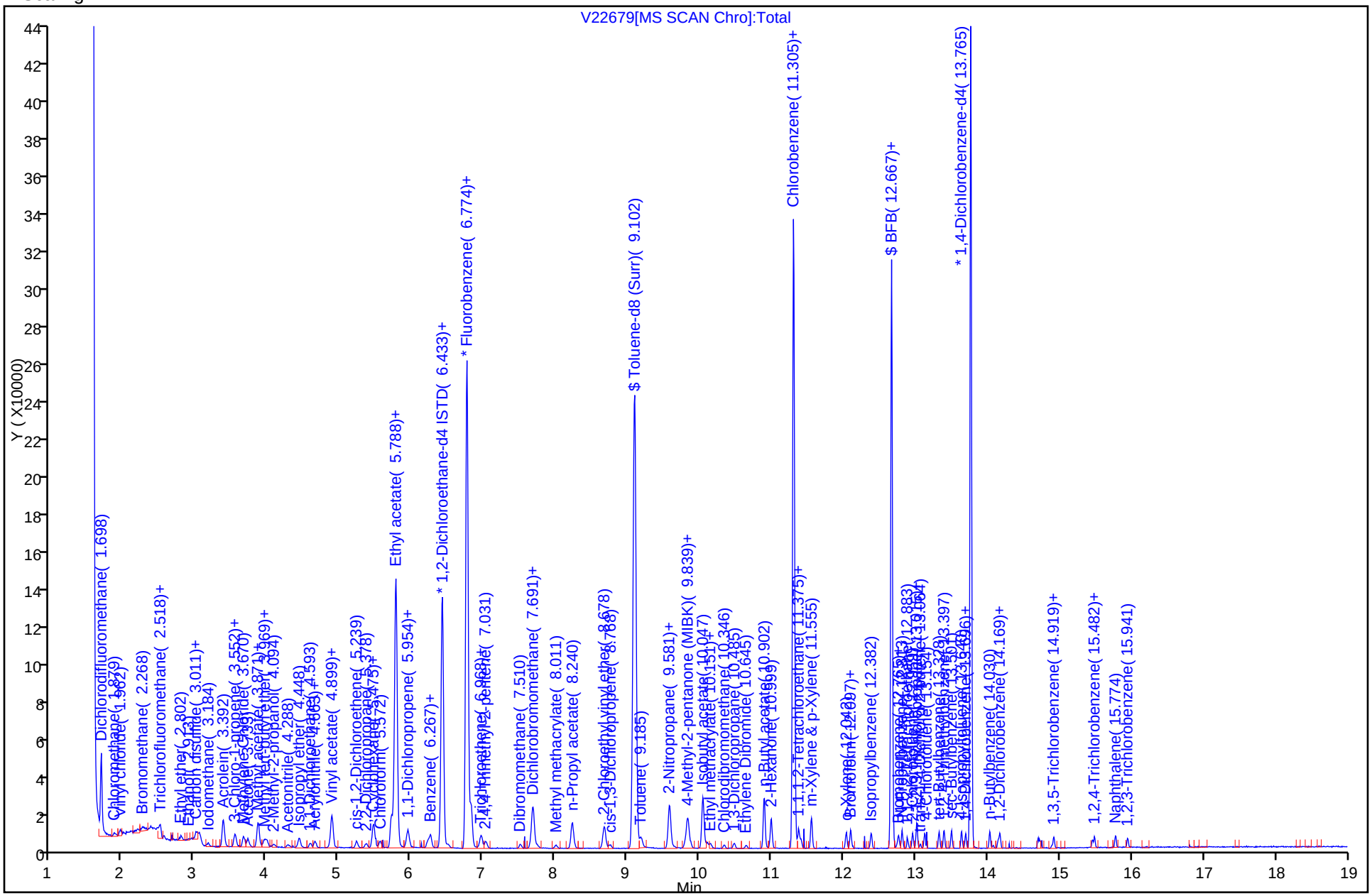
Injection Date: 29-Nov-2011 19:59:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 3

Operator ID: tph

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22680.D
Lims ID: STD1 Client ID:
Inject. Date: 29-Nov-2011 20:21:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD1
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 84017 Lims Sample ID: 4
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:15:29 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:15:29

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	52	2390	0.9088	
2 Chloromethane	1	50	1.872	1.879	-0.007	94	3453	0.9510	
3 Vinyl chloride	1	62	1.955	1.955	0.0	66	2777	0.9281	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	2970	0	
5 Bromomethane	1	94	2.268	2.261	0.007	78	2078	1.06	
6 Chloroethane	1	64	2.392	2.386	0.006	57	1529	0.9543	
7 Trichlorofluoromethane	1	101	2.524	2.518	0.006	65	3765	0.9057	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	60	4523	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	82	2455	0	
10 Ethanol	1	45	2.934	2.934	0.0	94	1985	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	59	2506	0	
12 1,1-Dichloroethene	1	96	3.017	3.024	-0.007	81	2819	0.9253	
13 Carbon disulfide	1	76	3.059	3.059	0.0	70	7873	0.9006	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.066	3.073	-0.007	1	1943	0.8789	
15 Iodomethane	1	142	3.184	3.184	0.0	95	4921	0	
16 Acrolein	1	56	3.385	3.385	0.0	89	35675	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	64	1795	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	88	14569	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	83	5724	1.00	
20 Acetone	1	43	3.732	3.726	0.006	95	15707	11.5	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	32	4735	0.8895	
22 Methyl acetate	1	43	3.878	3.871	0.007	99	37082	9.49	
23 Hexane	1	57	3.955	3.962	-0.007	53	6179	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	77	9543	0.9158	
25 2-Methyl-2-propanol	1	59	4.086	4.087	-0.001	90	4937	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	94	2578	0	
27 Isopropyl ether	1	45	4.447	4.441	0.006	93	10304	0	
28 1,1-Dichloroethane	1	63	4.586	4.600	-0.014	47	6016	0.9010	
29 Acrylonitrile	1	53	4.670	4.663	0.007	60	1641	0.8937	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	55	2932	0	
S 31 1,2-Dichloroethene, Total	1	1				0		1.82	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	39	9503	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	58094	0	
34 cis-1,2-Dichloroethene	1	61	5.246	5.239	0.007	43	4989	0.9343	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	75	3326	0.8370	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	48	2710	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	55	4601	0	
38 Chloroform	1	83	5.565	5.565	0.0	48	6505	0.9212	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	47458	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	9	3483	0.8666	
40 Tetrahydrofuran	1	42	5.760	5.753	0.007	70	18518	9.39	
42 sec-Butyl Alcohol	1	59	5.773	5.767	0.006	22	4390	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	72	108249	20.0	
44 1,1,1-Trichloroethane	1	97	5.822	5.822	0.0	5	4376	0.8599	
45 2-Butanone (MEK)	1	43	5.947	5.940	0.007	99	23711	10.0	
46 1,1-Dichloropropene	1	75	5.961	5.968	-0.007	57	4554	0.9133	
47 n-Heptane	1	43	6.239	6.225	0.014	86	4404	0	
48 Benzene	1	78	6.266	6.266	0.0	92	13812	0.9298	
50 Propionitrile	1	54	6.440	6.405	0.035	1	97	0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	41	8957	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	20601	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	6	3925	0.9608	
* 53 Fluorobenzene	1	96	6.773	6.774	-0.001	99	312495	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	17	2062	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	82	53706	0	
57 Methylcyclohexane	1	83	6.968	6.961	0.007	74	3949	0.8437	
56 Trichloroethene	1	95	6.968	6.975	-0.007	62	3113	0.9148	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	56	4361	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	79	1945	0.8470	
S 61 1,3-Dichloropropene, Total	1	1				0		1.73	
60 1,2-Dichloropropane	1	63	7.656	7.663	-0.007	43	2960	0.9030	
62 Dichlorobromomethane	1	83	7.753	7.754	-0.001	63	3401	0.8607	
63 Methyl methacrylate	1	69	8.018	8.004	0.014	66	2042	0	
64 1,4-Dioxane (SIM)	2	88	8.057	8.050	0.007	0	405	0	
65 1,4-Dioxane	1	88		8.052					
66 n-Propyl acetate	1	43	8.233	8.233	0.0	99	42178	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	88	20116	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	41	4077	0.8799	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	311880	20.0	
70 Toluene	1	92	9.192	9.192	0.0	68	6632	0.9294	
72 2-Nitropropane	1	39	9.581	9.581	0.0	59	3832	0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	98	59370	0	
74 Tetrachloroethene	1	166	9.811	9.804	0.007	44	2991	0.8815	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.838	9.839	-0.001	97	36377	9.69	
76 trans-1,3-Dichloropropene	1	75	9.873	9.880	-0.007	44	3586	0.8480	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	64793	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.110	0.0	44	2632	0.9603	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	62	3903	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	57	2618	0.8932	
81 1,3-Dichloropropane	1	76	10.478	10.485	-0.007	72	4055	0.8937	
82 Ethylene Dibromide	1	107	10.645	10.652	-0.007	68	2819	0.8524	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	45222	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	96	26642	9.53	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	86	225110	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	43	7652	0.9188	
87 Ethylbenzene	1	91	11.374	11.375	-0.001	15	12454	0.8934	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	50	2392	0.8691	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	97	19277	1.78	
S 71 Xylenes, Total	1	1				0		2.65	
90 o-Xylene	1	91	12.035	12.035	0.0	90	9645	0.8695	
91 Styrene	1	104	12.097	12.097	0.0	73	7591	0.8628	
92 Bromoform	1	173	12.104	12.104	0.0	21	1990	0.9307	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	92	11569	0.8697	
$ 94 BFB	1	95	12.667	12.667	0.0	93	112051	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	93	112051	19.9	
96 cis-1,4-Dichloro-2-butene	1	88	12.744	12.751	-0.007	0	1017	0	
97 Bromobenzene	1	77	12.765	12.765	-0.001	75	5769	0.9230	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	72	14497	0.8891	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	73	4426	0.8936	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	90	8747	0.8932	
102 1,2,3-Trichloropropane	1	110	13.008	13.015	-0.007	46	1214	0.9851	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	76	9640	0.8470	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	1	1009	0.8586	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	85	9213	0.8864	
105 tert-Butylbenzene	1	119	13.327	13.328	-0.001	77	8089	0.8603	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	90	9614	0.8347	
107 sec-Butylbenzene	1	105	13.494	13.501	-0.007	86	12418	0.8712	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	91	9305	0.8205	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	87	6073	0.8707	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	94	121448	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	38	6349	0.8876	
112 n-Butylbenzene	1	91	14.029	14.030	-0.001	87	9334	0.8343	
113 Hexachloroethane	1	117	14.148	14.148	0.0	73	1526	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.169	0.006	88	5802	0.8894	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	40	811	0.9193	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	80	4123	0	
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	50	1788	0.8855	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	68	3643	0.8764	
120 Naphthalene	1	128	15.774	15.774	0.0	90	9766	0.9568	
121 1,2,3-Trichlorobenzene	1	180	15.941	15.948	-0.007	75	3445	0.8829	

Report Date: 01-Dec-2011 11:15:31 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22680.D

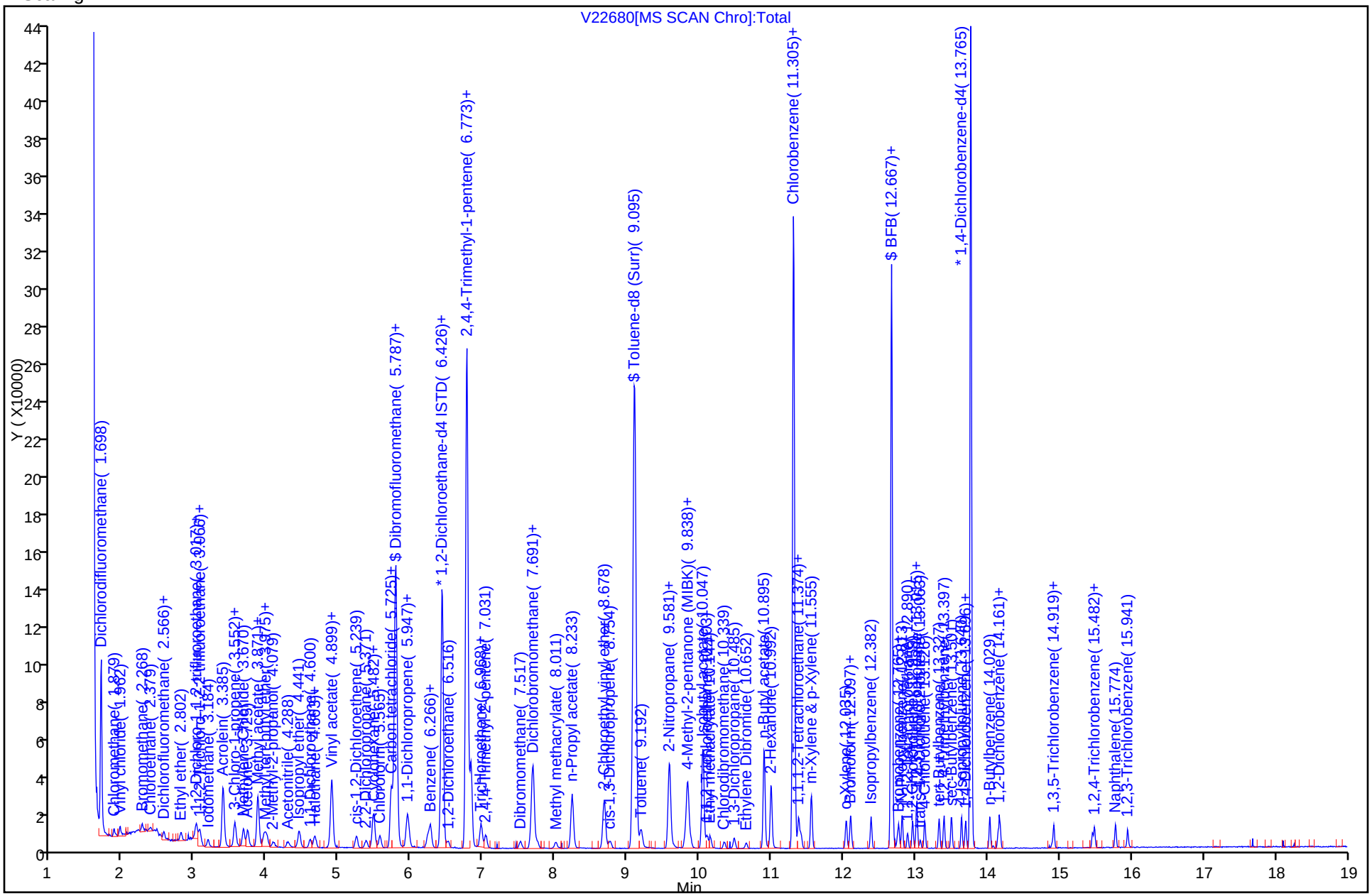
Injection Date: 29-Nov-2011 20:21:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 4

Operator ID: tph

Y Scaling:



Report Date: 01-Dec-2011 11:15:43 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22681.D
Lims ID: STD5 Client ID:
Inject. Date: 29-Nov-2011 20:42:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD5
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 84017 Lims Sample ID: 5
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:15:41 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:15:41

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	84	13196	4.98	
2 Chloromethane	1	50	1.879	1.879	0.0	88	18375	5.02	
3 Vinyl chloride	1	62	1.955	1.955	0.0	84	14966	4.96	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	15787	0	
5 Bromomethane	1	94	2.267	2.261	0.006	92	10003	5.04	
6 Chloroethane	1	64	2.385	2.386	-0.001	91	7773	4.81	
7 Trichlorofluoromethane	1	101	2.510	2.518	-0.008	85	21093	5.03	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	81	24022	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	90	13438	0	
10 Ethanol	1	45	2.941	2.934	0.007	91	9813	0	M
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	73	14210	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	90	17356	5.65	
13 Carbon disulfide	1	76	3.059	3.059	0.0	96	49093	5.57	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	2	12800	5.75	
15 Iodomethane	1	142	3.184	3.184	0.0	97	27337	0	
16 Acrolein	1	56	3.385	3.385	0.0	96	193310	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	73	10233	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	88	73194	0	
19 Methylene Chloride	1	84	3.677	3.670	0.007	86	22390	5.24	
20 Acetone	1	43	3.725	3.726	-0.001	100	63614	46.4	
21 trans-1,2-Dichloroethene	1	61	3.857	3.864	-0.007	45	29397	5.48	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	188396	47.9	
23 Hexane	1	57	3.954	3.962	-0.008	57	36357	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	86	55379	5.27	
25 2-Methyl-2-propanol	1	59	4.086	4.087	-0.001	12	28855	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	98	12185	0	
27 Isopropyl ether	1	45	4.447	4.441	0.006	94	60327	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	97	36113	5.37	
29 Acrylonitrile	1	53	4.656	4.663	-0.007	77	9588	5.18	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	83	16060	0	
S 31 1,2-Dichloroethene, Total	1	1				0		10.9	
33 Tert-butyl ethyl ether	1	59	4.878	4.885	-0.007	50	56423	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	314377	0	
34 cis-1,2-Dichloroethene	1	61	5.246	5.239	0.007	69	29009	5.39	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	88	19887	5.69	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	89	15597	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	88	27781	0	
38 Chloroform	1	83	5.565	5.565	0.0	64	38173	5.36	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	250737	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	23	21403	5.28	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	76	101621	51.2	
42 sec-Butyl Alcohol	1	59	5.766	5.767	-0.001	86	25099	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	72	110188	20.2	
44 1,1,1-Trichloroethane	1	97	5.815	5.822	-0.007	47	27620	5.51	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	100	107135	45.0	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	94	27005	5.37	
47 n-Heptane	1	43	6.232	6.225	0.007	92	21743	0	
48 Benzene	1	78	6.266	6.266	0.0	95	79923	5.34	
50 Propionitrile	1	54	6.426	6.405	0.021	1	306	0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	84	54667	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	20697	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	54	21703	5.27	
* 53 Fluorobenzene	1	96	6.773	6.774	-0.001	99	314931	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	46	11441	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	95	294578	0	
57 Methylcyclohexane	1	83	6.968	6.961	0.007	85	24092	5.11	
56 Trichloroethene	1	95	6.975	6.975	0.0	94	18291	5.33	
58 2,4,4-Trimethyl-2-pentene	1	55	7.031	7.038	-0.008	73	28392	0	
59 Dibromomethane	1	93	7.510	7.517	-0.007	85	12273	5.30	
S 61 1,3-Dichloropropene, Total	1	1				0		10.6	
60 1,2-Dichloropropane	1	63	7.656	7.663	-0.007	66	17413	5.27	
62 Dichlorobromomethane	1	83	7.753	7.754	-0.001	77	21691	5.45	
63 Methyl methacrylate	1	69	8.010	8.004	0.006	85	13246	0	
64 1,4-Dioxane (SIM)	2	88	8.057	8.050	0.007	0	2392	0	
65 1,4-Dioxane	1	88	8.059	8.052	0.007	44	2011	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	99	233218	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	90	105384	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	55	24810	5.31	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	311239	19.8	
70 Toluene	1	92	9.185	9.192	-0.007	80	38512	5.36	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	20019	0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	99	330096	0	
74 Tetrachloroethene	1	166	9.811	9.804	0.007	47	18516	5.41	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.838	9.839	-0.001	97	178102	47.2	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	71	22416	5.26	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	354920	0	
78 1,1,2-Trichloroethane	1	83	10.109	10.110	-0.001	64	14948	5.41	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	62	21398	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	83	16997	5.04	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	90	24491	5.36	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	95	17472	5.24	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.895	10.895	0.0	97	264998	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	97	136386	48.6	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	85	226166	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	76	45781	5.47	
87 Ethylbenzene	1	91	11.381	11.375	0.006	35	75535	5.39	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	83	14855	5.37	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	117285	10.8	
S 71 Xylenes, Total	1	1				0		16.2	
90 o-Xylene	1	91	12.035	12.035	0.0	97	60453	5.42	
91 Styrene	1	104	12.097	12.097	0.0	77	45814	5.18	
92 Bromoform	1	173	12.104	12.104	0.0	44	13077	4.87	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	72677	5.44	
$ 94 BFB	1	95	12.667	12.667	0.0	93	113677	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	93	113677	20.1	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	-0.001	0	5413	0	
97 Bromobenzene	1	77	12.764	12.765	-0.001	92	33466	5.33	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	77	88679	5.41	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	86	26645	5.31	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	95	52486	5.33	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	56	6383	5.16	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	79	62137	5.43	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	4	5919	5.01	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	93	56991	5.46	
105 tert-Butylbenzene	1	119	13.327	13.328	-0.001	91	51152	5.41	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	85	62954	5.44	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	93	78847	5.51	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	95	62494	5.48	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	95	38022	5.43	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	94	122926	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	60	39729	5.49	
112 n-Butylbenzene	1	91	14.029	14.030	-0.001	96	61624	5.44	
113 Hexachloroethane	1	117	14.147	14.148	-0.001	82	8530	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.169	0.006	97	34762	5.26	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	78	4975	4.93	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	22278	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	38	1221	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	80	11191	5.48	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	91	22232	5.28	
120 Naphthalene	1	128	15.774	15.774	0.0	97	60035	4.83	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	92	20607	5.22	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 01-Dec-2011 11:15:43 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22681.D

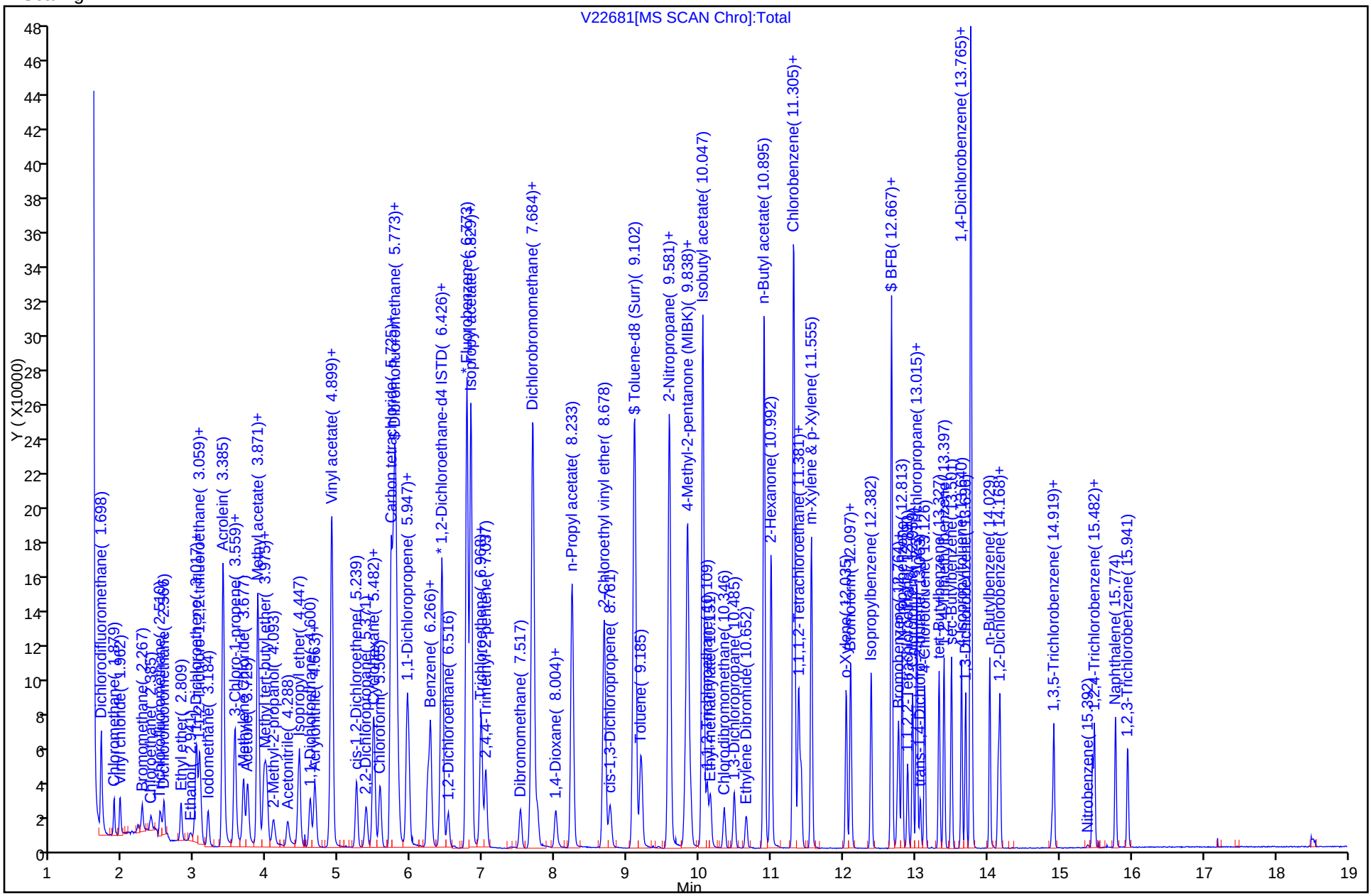
Injection Date: 29-Nov-2011 20:42:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 5

Operator ID: tph

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22682.D		
Lims ID:	STD10	Client ID:	
Inject. Date:	29-Nov-2011 21:04:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD10		
Misc. Info.:			
Operator:	tph	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	84017	Lims Sample ID:	6
Sublist:	chrom-WES2UNPR*sub22		
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		
Method:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m		
Last Update:	01-Dec-2011 11:15:54	Calib Date:	29-Nov-2011 22:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS03		

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:15:54

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	97	26916	9.97	
2 Chloromethane	1	50	1.879	1.879	0.0	88	36539	9.81	
3 Vinyl chloride	1	62	1.955	1.955	0.0	82	30349	9.88	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	31532	0	
5 Bromomethane	1	94	2.268	2.261	0.007	84	19465	9.64	
6 Chloroethane	1	64	2.386	2.386	0.0	96	15278	9.29	
7 Trichlorofluoromethane	1	101	2.518	2.518	0.0	85	41781	9.79	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	73	47327	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	90	25805	0	
10 Ethanol	1	45	2.934	2.934	0.0	97	19379	0	M
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	77	26429	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	88	29570	9.46	
13 Carbon disulfide	1	76	3.059	3.059	0.0	97	88540	9.87	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	11	21544	9.50	
15 Iodomethane	1	142	3.177	3.184	-0.007	99	53378	0	
16 Acrolein	1	56	3.385	3.385	0.0	94	426400	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	75	20212	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	88	145840	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	86	41406	9.91	
20 Acetone	1	43	3.726	3.726	0.0	100	134932	93.7	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	37	52823	9.67	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	389933	97.3	
23 Hexane	1	57	3.962	3.962	0.0	58	69076	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	63	100838	9.43	
25 2-Methyl-2-propanol	1	59	4.087	4.087	0.0	13	51032	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	100	27594	0	
27 Isopropyl ether	1	45	4.441	4.441	0.0	95	109447	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	84	66026	9.64	
29 Acrylonitrile	1	53	4.663	4.663	0.0	69	17848	9.47	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	87	31804	0	
S 31 1,2-Dichloroethene, Total	1	1				0		19.1	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	36	104944	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	743306	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	68	51887	9.47	
35 2,2-Dichloropropane	1	77	5.378	5.371	0.007	86	35079	9.96	
36 Chlorobromomethane	1	130	5.482	5.475	0.007	81	28437	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	85	52930	0	
38 Chloroform	1	83	5.572	5.565	0.007	65	67943	9.38	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	504525	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	22	39338	9.54	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	76	189420	93.6	
42 sec-Butyl Alcohol	1	59	5.774	5.767	0.007	70	48707	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	72	112419	20.2	
44 1,1,1-Trichloroethane	1	97	5.815	5.822	-0.007	42	49100	9.64	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	100	246081	98.5	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	87	49648	9.70	
47 n-Heptane	1	43	6.225	6.225	0.0	94	43191	0	
48 Benzene	1	78	6.266	6.266	0.0	96	144701	9.49	
50 Propionitrile	1	54	6.412	6.405	0.007	33	687	0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	97	98125	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	21736	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	56	40308	9.62	
* 53 Fluorobenzene	1	96	6.774	6.774	0.0	99	320651	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	44	20499	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	98	606983	0	
57 Methylcyclohexane	1	83	6.968	6.961	0.007	82	46211	9.62	
56 Trichloroethene	1	95	6.975	6.975	0.0	87	32968	9.44	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	68	50871	0	
59 Dibromomethane	1	93	7.510	7.517	-0.007	85	22651	9.61	
S 61 1,3-Dichloropropene, Total	1	1				0		19.3	
60 1,2-Dichloropropane	1	63	7.663	7.663	0.0	55	32253	9.59	
62 Dichlorobromomethane	1	83	7.747	7.754	-0.007	84	38501	9.50	
63 Methyl methacrylate	1	69	8.004	8.004	0.0	88	24428	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	4212	0	
65 1,4-Dioxane	1	88	8.045	8.052	-0.007	49	4009	0	M
66 n-Propyl acetate	1	43	8.233	8.233	0.0	99	481607	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	89	236766	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	60	45478	9.57	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	321042	20.0	
70 Toluene	1	92	9.185	9.192	-0.007	82	68280	9.33	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	37689	0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	99	689452	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	68	33892	9.73	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.839	9.839	0.0	97	399763	101.0	
76 trans-1,3-Dichloropropene	1	75	9.873	9.880	-0.007	76	42149	9.71	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	731948	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.110	0.0	72	26538	9.44	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	63	44556	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	84	31987	9.21	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	90	44063	9.46	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	97	32338	9.53	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.895	10.895	0.0	97	542511	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	97	297519	100.9	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	229469	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	94	82230	9.69	
87 Ethylbenzene	1	91	11.375	11.375	0.0	47	135735	9.55	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	84	26286	9.37	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	210585	19.1	
S 71 Xylenes, Total	1	1				0		28.6	
90 o-Xylene	1	91	12.035	12.035	0.0	97	107551	9.51	
91 Styrene	1	104	12.097	12.097	0.0	76	84811	9.46	
92 Bromoform	1	173	12.104	12.104	0.0	45	23968	8.60	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	128747	9.49	
$ 94 BFB	1	95	12.667	12.667	0.0	92	114713	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	92	114713	20.0	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	11196	0	
97 Bromobenzene	1	77	12.765	12.765	0.0	91	59788	9.38	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	75	159615	9.60	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	85	47752	9.35	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	95	94730	9.49	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	47	11874	9.45	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	68	110435	9.52	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	13	11250	9.39	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	93	102077	9.63	
105 tert-Butylbenzene	1	119	13.328	13.328	0.0	91	91472	9.54	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	70	113346	9.65	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	138848	9.56	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	96	112120	9.70	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	96	68612	9.65	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	94	125286	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	74	70523	9.56	
112 n-Butylbenzene	1	91	14.030	14.030	0.0	97	111015	9.62	
113 Hexachloroethane	1	117	14.148	14.148	0.0	84	16833	0	
114 1,2-Dichlorobenzene	1	146	14.169	14.169	0.0	97	63634	9.46	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	82	9018	8.67	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	42833	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	63	2142	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	81	19758	9.49	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	92	40090	9.35	
120 Naphthalene	1	128	15.774	15.774	0.0	97	110934	8.60	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	96	37351	9.28	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 01-Dec-2011 11:15:55 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22682.D

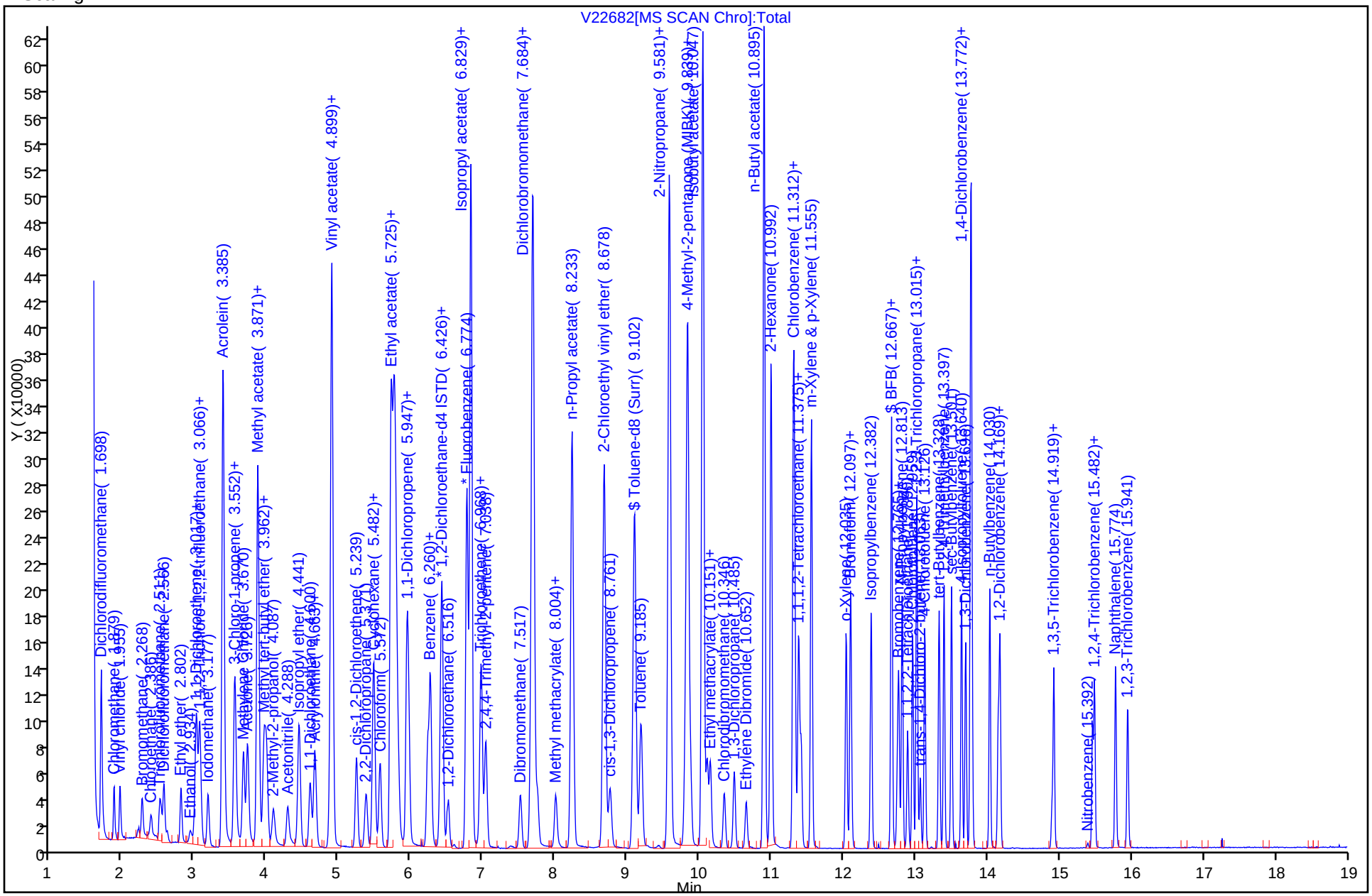
Injection Date: 29-Nov-2011 21:04:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 6

Operator ID: tph

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22683.D
Lims ID: STD20 Client ID:
Inject. Date: 29-Nov-2011 21:26:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 6
Sample ID: STD20
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 7
Lims Batch ID: 84017 Lims Sample ID: 7
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:16:05 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:16:05

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	85	61639	23.5	
2 Chloromethane	1	50	1.879	1.879	0.0	89	77575	21.4	
3 Vinyl chloride	1	62	1.955	1.955	0.0	83	66699	22.3	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	69243	0	
5 Bromomethane	1	94	2.261	2.261	0.0	90	42545	21.6	
6 Chloroethane	1	64	2.385	2.385	0.0	94	33409	20.9	
7 Trichlorofluoromethane	1	101	2.517	2.517	0.0	83	95918	23.1	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	68	103266	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	93	54957	0	
10 Ethanol	1	45	2.934	2.934	0.0	96	38455	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	75	57202	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	90	62639	20.6	
13 Carbon disulfide	1	76	3.059	3.059	0.0	98	180157	20.6	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	43	48421	21.9	
15 Iodomethane	1	142	3.177	3.177	0.0	98	114380	0	
16 Acrolein	1	56	3.385	3.385	0.0	97	865747	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	76	44307	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	88	308039	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	83	85683	21.6	
20 Acetone	1	43	3.725	3.725	0.0	100	267524	199.7	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	38	116395	21.9	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	813967	208.7	
23 Hexane	1	57	3.954	3.954	0.0	58	154362	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	87	216055	20.8	
25 2-Methyl-2-propanol	1	59	4.086	4.086	0.0	51	104811	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	99	54420	0	
27 Isopropyl ether	1	45	4.440	4.440	0.0	93	237867	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	85	143070	21.5	
29 Acrylonitrile	1	53	4.663	4.663	0.0	68	38067	20.8	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	84	68305	0	
S 31 1,2-Dichloroethene, Total	1	1				0		42.9	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	36	223318	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	1499782	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	68	112005	21.0	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	87	76713	22.6	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	85	60814	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	87	119878	0	
38 Chloroform	1	83	5.565	5.565	0.0	66	146837	20.8	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	1074386	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	24	88722	22.1	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	77	402230	204.4	
42 sec-Butyl Alcohol	1	59	5.766	5.766	0.0	68	96883	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	69	108981	20.1	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	44	109695	22.2	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	100	505385	217.3	
46 1,1-Dichloropropene	1	75	5.961	5.961	0.0	74	108483	21.8	
47 n-Heptane	1	43	6.232	6.232	0.0	93	99978	0	
48 Benzene	1	78	6.266	6.266	0.0	95	312857	21.1	
50 Propionitrile	1	54	6.405	6.405	0.0	36	1998	0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	97	214468	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	20228	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	71	85637	21.0	
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	312005	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	45	45142	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	1292615	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	84	105284	22.5	
56 Trichloroethene	1	95	6.975	6.975	0.0	86	72601	21.4	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	74	115344	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	86	46960	20.5	
S 61 1,3-Dichloropropene, Total	1	1				0		43.2	
60 1,2-Dichloropropane	1	63	7.656	7.656	0.0	64	68753	21.0	
62 Dichlorobromomethane	1	83	7.753	7.753	0.0	79	83865	21.3	
63 Methyl methacrylate	1	69	8.011	8.011	0.0	88	53664	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	8982	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	79	8687	0	M
66 n-Propyl acetate	1	43	8.233	8.233	0.0	99	1046902	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	89	480844	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	83	99961	21.6	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	313816	20.1	
70 Toluene	1	92	9.192	9.192	0.0	92	150149	21.1	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	78000	0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	99	1485121	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	72	73812	21.8	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.838	9.838	0.0	97	820204	222.6	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	72	91255	21.6	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	1603779	0	
78 1,1,2-Trichloroethane	1	83	10.109	10.109	0.0	75	57907	21.2	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	66	98588	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	87	70474	20.7	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	90	97446	21.5	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	99	69192	21.0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	1157089	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	97	616584	224.7	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	86	223657	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	94	175465	21.2	
87 Ethylbenzene	1	91	11.381	11.381	0.0	51	297412	21.5	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	94	57576	21.1	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	459662	42.8	
S 71 Xylenes, Total	1	1				0		64.3	
90 o-Xylene	1	91	12.035	12.035	0.0	97	237115	21.5	
91 Styrene	1	104	12.097	12.097	0.0	76	188305	21.5	
92 Bromoform	1	173	12.111	12.111	0.0	60	54823	19.6	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	96	289772	21.9	
$ 94 BFB	1	95	12.667	12.667	0.0	93	112860	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	93	112860	20.2	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	26996	0	
97 Bromobenzene	1	77	12.764	12.764	0.0	92	130547	21.0	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	75	356523	22.0	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	85	103357	20.4	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	95	209144	21.5	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	47	25385	20.7	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	68	249000	22.0	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	8	25205	21.6	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	93	222600	21.6	
105 tert-Butylbenzene	1	119	13.327	13.327	0.0	91	205338	22.0	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	95	251540	22.0	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	315427	22.3	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	96	252754	22.4	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	97	150083	21.7	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	94	124005	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	88	153366	21.0	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	96	252236	22.1	
113 Hexachloroethane	1	117	14.148	14.148	0.0	85	38684	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.175	0.0	98	140697	21.1	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	82	20980	20.2	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	96	94821	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	83	5249	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	82	46539	22.6	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	90	90494	21.3	
120 Naphthalene	1	128	15.774	15.774	0.0	97	259829	20.1	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	93	85572	21.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 01-Dec-2011 11:16:07 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22683.D

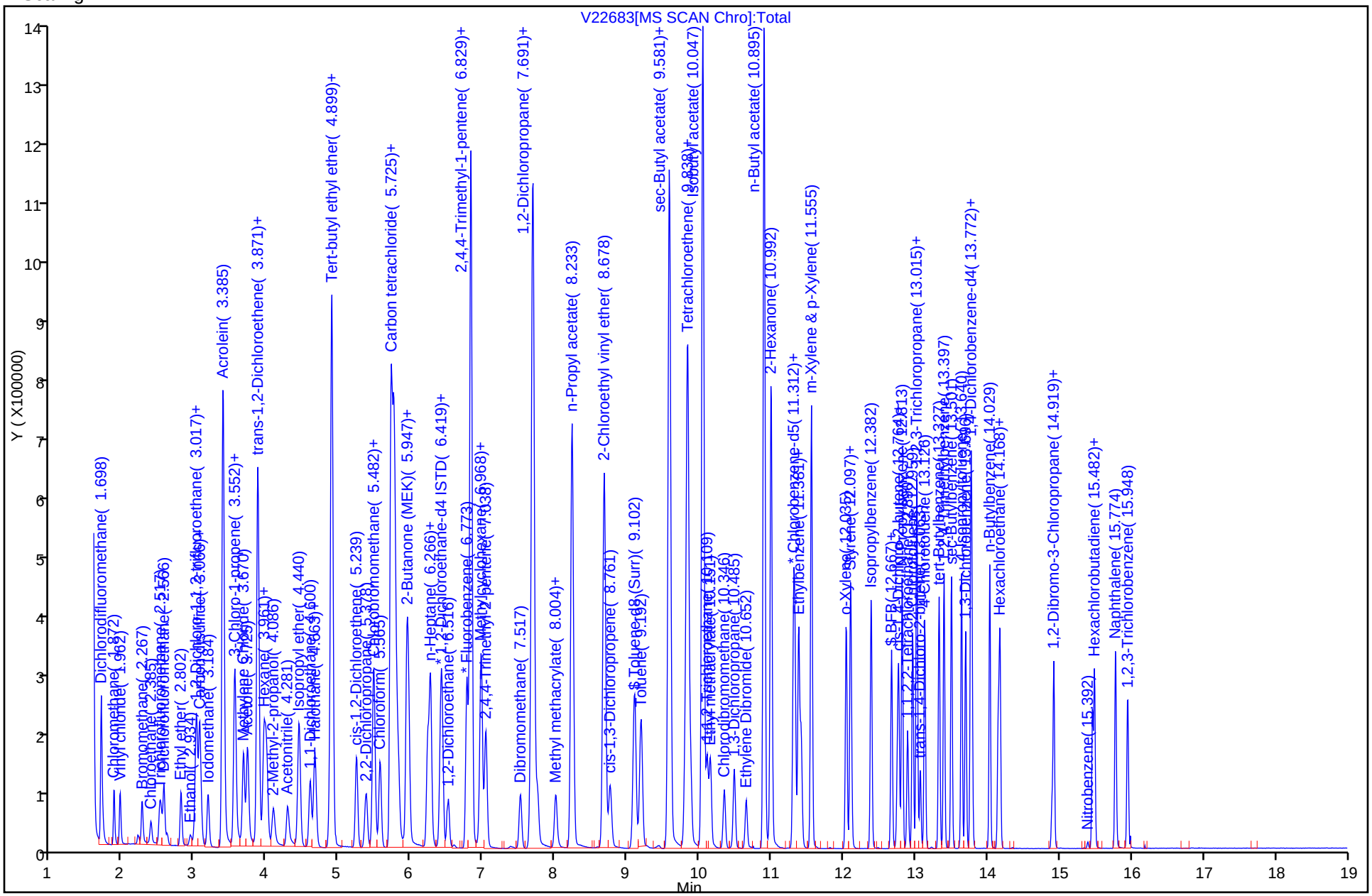
Injection Date: 29-Nov-2011 21:26:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 7

Operator ID: tph

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22684.D
Lims ID: STD40 Client ID:
Inject. Date: 29-Nov-2011 21:48:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD40
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 84017 Lims Sample ID: 8
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:16:22 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:16:22

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	87	117399	42.5	
2 Chloromethane	1	50	1.872	1.879	-0.007	88	149000	39.1	
3 Vinyl chloride	1	62	1.955	1.955	0.0	82	125299	39.9	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	130231	0	
5 Bromomethane	1	94	2.261	2.261	0.0	90	82916	40.1	
6 Chloroethane	1	64	2.386	2.385	0.001	94	63349	37.7	
7 Trichlorofluoromethane	1	101	2.517	2.517	0.0	85	179985	41.2	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	73	199023	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	92	111421	0	
10 Ethanol	1	45	2.934	2.934	0.0	95	80430	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	76	121210	0	
12 1,1-Dichloroethene	1	96	3.017	3.024	-0.007	90	137185	42.9	
13 Carbon disulfide	1	76	3.059	3.059	0.0	98	399583	43.5	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.073	0.0	45	99151	42.7	
15 Iodomethane	1	142	3.177	3.177	0.0	98	218608	0	
16 Acrolein	1	56	3.385	3.385	0.0	95	1787870	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	72	86775	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	89	650573	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	88	172813	41.9	
20 Acetone	1	43	3.725	3.725	0.0	100	558688	396.0	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	36	234214	41.9	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	1755414	428.0	
23 Hexane	1	57	3.955	3.954	0.001	58	313435	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	62	454343	41.5	
25 2-Methyl-2-propanol	1	59	4.086	4.086	0.0	51	225615	0	
26 Acetonitrile	1	40	4.281	4.288	-0.007	99	115075	0	
27 Isopropyl ether	1	45	4.441	4.440	0.0	94	493067	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	85	292091	41.7	
29 Acrylonitrile	1	53	4.663	4.663	0.0	71	81302	42.2	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	89	136748	0	
S 31 1,2-Dichloroethene, Total	1	1				0		83.1	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	35	459279	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	3342224	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	69	231198	41.2	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	84	149668	42.0	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	87	123935	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	85	243960	0	
38 Chloroform	1	83	5.565	5.565	0.0	66	299536	40.4	
39 Ethyl acetate	1	43	5.718	5.718	0.0	100	2268652	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	23	184348	43.7	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	77	844479	408.0	
42 sec-Butyl Alcohol	1	59	5.767	5.766	0.0	69	216196	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	53	113437	19.9	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	44	220245	42.4	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	100	1058823	432.4	
46 1,1-Dichloropropene	1	75	5.968	5.961	0.007	95	218587	41.8	
47 n-Heptane	1	43	6.225	6.232	-0.007	95	211262	0	
48 Benzene	1	78	6.266	6.266	0.0	96	641481	41.1	
50 Propionitrile	1	54	6.405	6.405	0.0	35	3670	0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	96	435613	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	21301	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	75	176577	41.2	
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	328100	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	44	87742	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	2732777	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	84	210842	42.9	
56 Trichloroethene	1	95	6.975	6.975	0.0	87	144751	40.5	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	68	238138	0	
59 Dibromomethane	1	93	7.510	7.517	-0.007	91	98987	41.1	
S 61 1,3-Dichloropropene, Total	1	1				0		86.8	
60 1,2-Dichloropropane	1	63	7.663	7.656	0.007	57	145047	42.1	
62 Dichlorobromomethane	1	83	7.753	7.753	0.0	80	174576	42.1	
63 Methyl methacrylate	1	69	8.004	8.011	-0.007	89	114059	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	18536	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	50	16214	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	99	2262244	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	90	1037092	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	60	211163	43.4	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	331595	20.2	
70 Toluene	1	92	9.192	9.192	0.0	94	308222	41.1	
72 2-Nitropropane	1	39	9.581	9.581	0.0	64	158918	0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	99	3129924	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	70	149227	41.9	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.838	9.838	0.0	97	1639012	422.4	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	78	192870	43.4	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	3227629	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.109	0.001	80	117637	40.9	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	53	190647	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	90	149592	41.6	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	91	202196	42.4	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	99	144558	41.6	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	2421342	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	97	1240778	429.4	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	233500	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	94	355278	41.1	
87 Ethylbenzene	1	91	11.381	11.381	0.0	51	597705	41.3	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	94	120160	42.1	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	936530	83.4	
S 71 Xylenes, Total	1	1				0		125.2	
90 o-Xylene	1	91	12.035	12.035	0.0	97	480528	41.8	
91 Styrene	1	104	12.097	12.097	0.0	76	384176	42.1	
92 Bromoform	1	173	12.111	12.111	0.0	54	115519	40.1	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	96	588427	42.6	
$ 94 BFB	1	95	12.667	12.667	0.0	93	117688	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	93	117688	20.1	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	54041	0	
97 Bromobenzene	1	77	12.765	12.764	0.0	92	266998	41.2	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	75	711686	42.1	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	87	212204	41.0	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	96	419391	41.3	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	46	51273	40.1	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	67	494180	41.9	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	18	53992	44.3	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	93	445830	41.4	
105 tert-Butylbenzene	1	119	13.327	13.327	0.0	93	408449	41.9	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	95	499407	41.8	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	624957	42.3	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	97	503961	42.8	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	96	301824	41.7	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	94	126766	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	90	306536	41.1	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	97	502849	43.1	
113 Hexachloroethane	1	117	14.148	14.148	0.0	91	72418	0	
114 1,2-Dichlorobenzene	1	146	14.168	14.175	-0.007	98	280566	41.2	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	85	42470	39.9	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	191001	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	84	10641	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	83	91374	43.4	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	90	181922	41.9	
120 Naphthalene	1	128	15.774	15.774	0.0	97	532692	40.1	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	94	172087	42.3	

Report Date: 01-Dec-2011 11:16:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22684.D

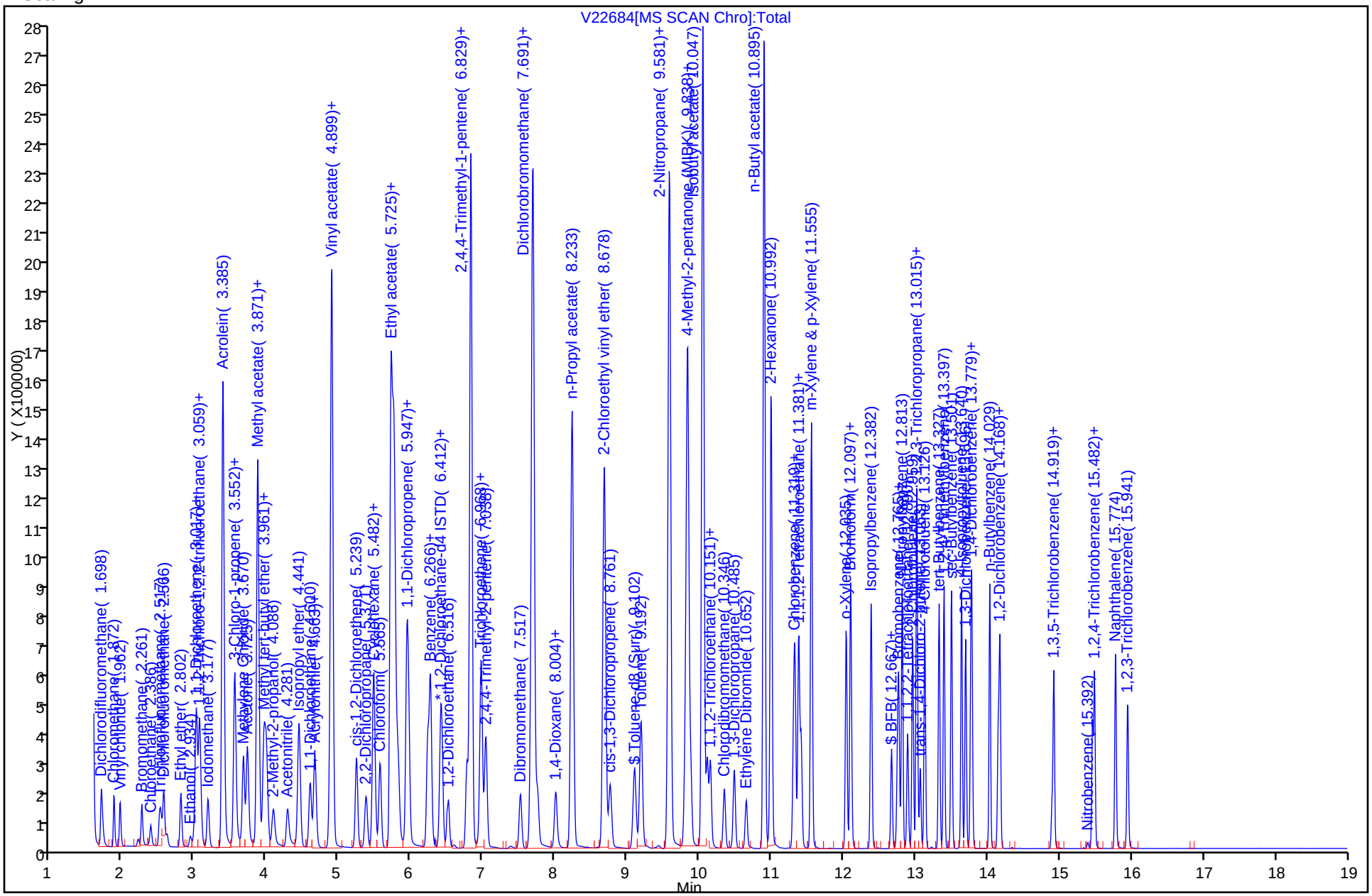
Injection Date: 29-Nov-2011 21:48:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 8

Operator ID: tph

Y Scaling:



Report Date: 01-Dec-2011 11:16:37 Chrom Revision: 2.0 29-Sep-2011 09:38:02

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22685.D
Lims ID: STD80 Client ID:
Inject. Date: 29-Nov-2011 22:10:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD80
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 9
Lims Batch ID: 84017 Lims Sample ID: 9
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:16:35 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:16:35

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	88	222437	79.7	
2 Chloromethane	1	50	1.872	1.879	-0.007	89	303780	78.8	
3 Vinyl chloride	1	62	1.962	1.955	0.007	82	251057	79.0	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	258387	0	
5 Bromomethane	1	94	2.254	2.261	-0.007	89	160632	76.8	
6 Chloroethane	1	64	2.379	2.385	-0.006	94	124755	73.3	
7 Trichlorofluoromethane	1	101	2.511	2.517	-0.006	87	356277	80.7	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	75	390803	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	93	216977	0	
10 Ethanol	1	45	2.934	2.934	0.0	95	161799	0	M
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.003	3.010	-0.007	81	217023	0	
12 1,1-Dichloroethene	1	96	3.017	3.024	-0.007	90	226847	70.1	
13 Carbon disulfide	1	76	3.059	3.059	0.0	97	688853	74.2	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.066	3.073	-0.007	38	172445	73.5	
15 Iodomethane	1	142	3.177	3.177	0.0	98	434472	0	
16 Acrolein	1	56	3.385	3.385	0.0	97	3558412	0	
17 3-Chloro-1-propene	1	76	3.545	3.552	-0.007	76	171046	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	89	1303535	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	83	317686	76.5	
20 Acetone	1	43	3.726	3.725	0.001	100	1101065	747.4	
21 trans-1,2-Dichloroethene	1	61	3.857	3.864	-0.007	39	428148	75.7	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	3458862	833.9	
23 Hexane	1	57	3.955	3.954	0.001	58	606767	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	62	868720	78.5	
25 2-Methyl-2-propanol	1	59	4.087	4.086	0.001	13	438504	0	
26 Acetonitrile	1	40	4.281	4.288	-0.007	99	236046	0	
27 Isopropyl ether	1	45	4.441	4.440	0.001	94	941512	0	
28 1,1-Dichloroethane	1	63	4.593	4.600	-0.007	85	545984	77.0	
29 Acrylonitrile	1	53	4.663	4.663	0.0	70	155535	79.8	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	88	265777	0	
S 31 1,2-Dichloroethene, Total	1	1				0		151.7	
33 Tert-butyl ethyl ether	1	59	4.878	4.885	-0.007	41	870341	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	6286365	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	68	430636	75.9	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	84	270083	75.0	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	84	237629	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	85	469368	0	
38 Chloroform	1	83	5.565	5.565	0.0	66	560488	74.8	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	4555312	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	22	329841	77.3	
40 Tetrahydrofuran	1	42	5.746	5.753	-0.007	75	1620613	774.2	
42 sec-Butyl Alcohol	1	59	5.767	5.766	0.001	69	445701	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	29	112852	19.6	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	29	396902	75.5	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	100	2132029	833.7	
46 1,1-Dichloropropene	1	75	5.961	5.961	0.0	71	395840	74.8	
47 n-Heptane	1	43	6.225	6.232	-0.007	94	402836	0	
48 Benzene	1	78	6.266	6.266	0.0	95	1188261	75.3	
50 Propionitrile	1	54	6.412	6.405	0.007	34	6946	0	M
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	97	840713	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	22245	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	83	336218	77.5	
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	331822	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	43	148276	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	5467991	0	
57 Methylcyclohexane	1	83	6.961	6.968	-0.007	81	405337	81.6	
56 Trichloroethene	1	95	6.975	6.975	0.0	90	265984	73.6	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	68	422763	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	88	189020	77.5	
60 1,2-Dichloropropane	1	63	7.663	7.656	0.007	57	271198	77.9	
S 61 1,3-Dichloropropene, Total	1	1				0		164.6	
62 Dichlorobromomethane	1	83	7.754	7.753	0.001	80	327461	78.0	
63 Methyl methacrylate	1	69	8.004	8.011	-0.007	90	222429	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	86	32892	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	35930	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	99	4543690	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	90	2097074	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	94	405740	82.5	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	333690	20.1	
70 Toluene	1	92	9.192	9.192	0.0	95	574457	75.8	
72 2-Nitropropane	1	39	9.581	9.581	0.0	64	305782	0	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	99	6258603	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	66	271605	75.4	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.839	9.838	0.001	97	3254440	803.2	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	86	368762	82.1	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	6369453	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.109	0.001	76	222032	76.3	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	69	393700	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	87	285921	78.5	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	90	382410	79.4	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	98	275524	78.5	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.902	10.895	0.007	98	4805513	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	97	2442235	809.2	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	232631	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	94	665517	77.3	
87 Ethylbenzene	1	91	11.382	11.381	0.001	52	1109496	77.0	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	94	224255	78.8	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	1736779	155.3	
S 71 Xylenes, Total	1	1				0		233.4	
90 o-Xylene	1	91	12.035	12.035	0.0	97	895407	78.1	
91 Styrene	1	104	12.097	12.097	0.0	76	720802	79.3	
92 Bromoform	1	173	12.111	12.111	0.0	54	224549	81.8	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	1074704	78.2	
$ 94 BFB	1	95	12.667	12.667	0.0	93	116034	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	93	116034	19.9	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	113156	0	
97 Bromobenzene	1	77	12.765	12.764	0.001	91	495093	76.7	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	74	1290025	76.6	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	85	390183	79.3	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	95	766656	75.8	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	45	94445	74.2	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	67	894759	76.1	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	9	102929	84.8	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	93	817626	76.1	
105 tert-Butylbenzene	1	119	13.328	13.327	0.001	93	743108	76.5	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	94	906856	76.2	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	1115253	75.7	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	97	906043	77.3	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	96	541007	75.1	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	120663	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	93	556479	78.3	
112 n-Butylbenzene	1	91	14.030	14.029	0.001	96	899329	80.9	
113 Hexachloroethane	1	117	14.148	14.148	0.0	87	139833	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.175	0.0	98	514271	79.3	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	87	82563	81.3	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	367639	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	85	22413	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	85	162715	81.1	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	92	345793	83.7	
120 Naphthalene	1	128	15.774	15.774	0.0	97	1030854	81.3	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	94	332524	85.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 01-Dec-2011 11:16:37 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22685.D

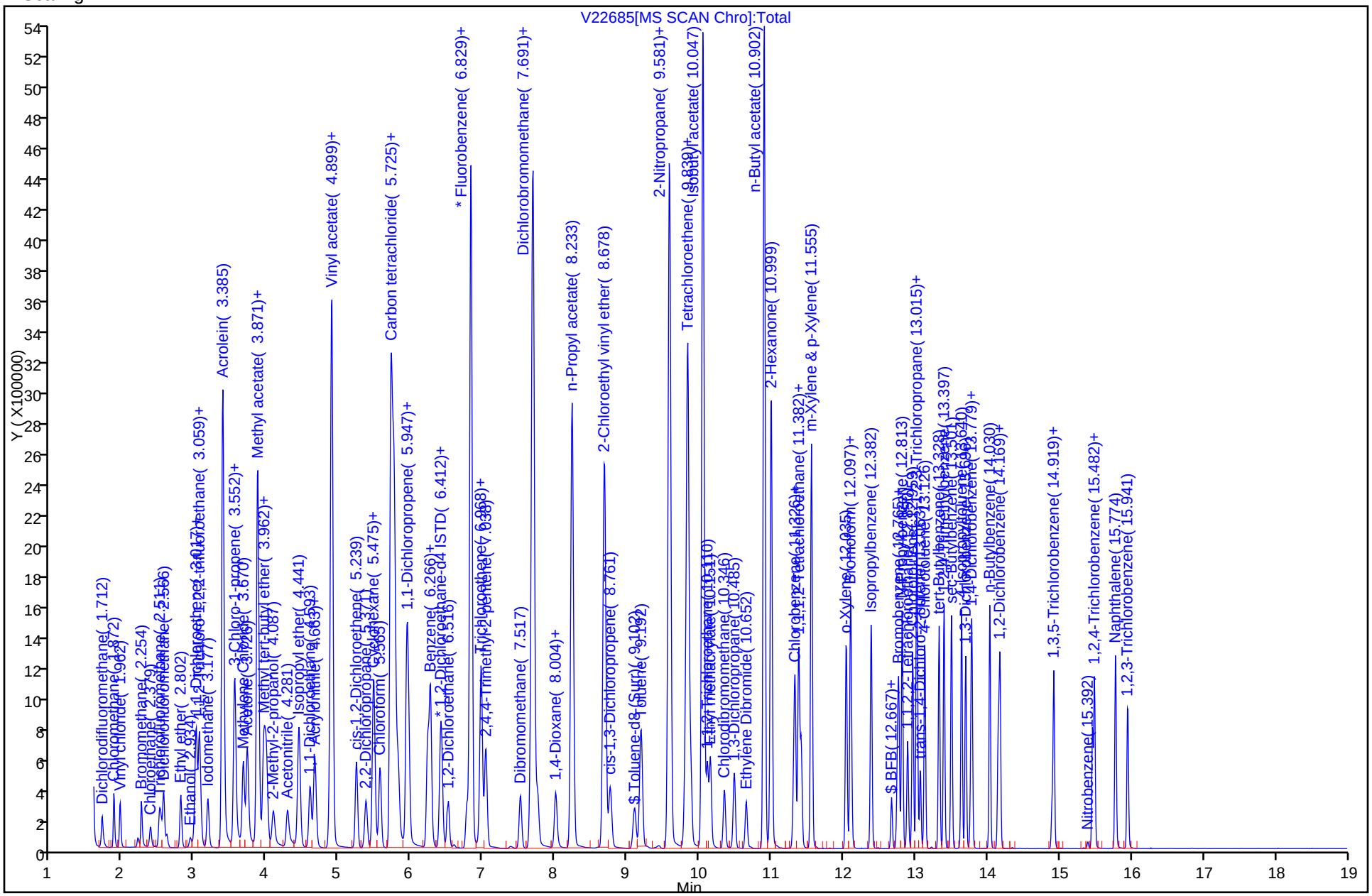
Injection Date: 29-Nov-2011 22:10:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 9

Operator ID: tph

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Lims ID: STD160 Client ID:
Inject. Date: 29-Nov-2011 22:31:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 9
Sample ID: STD160
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 10
Lims Batch ID: 84017 Lims Sample ID: 10
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m
Last Update: 01-Dec-2011 11:16:49 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS03

First Level Reviewer: hartmannt Date: 01-Dec-2011 11:16:48

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	87	389255	138.8	
2 Chloromethane	1	50	1.879	1.879	0.0	89	531758	137.3	
3 Vinyl chloride	1	62	1.962	1.955	0.007	84	432769	135.6	
4 Vinyl chloride (SIM)	2	62	1.967	1.960	0.007	0	447786	0	
5 Bromomethane	1	94	2.254	2.261	-0.007	90	264901	126.2	
6 Chloroethane	1	64	2.379	2.385	-0.006	94	205086	120.0	
7 Trichlorofluoromethane	1	101	2.511	2.517	-0.006	86	603374	136.1	
8 Dichlorofluoromethane	1	67	2.566	2.566	0.0	69	659994	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	93	374477	0	
10 Ethanol	1	45	2.941	2.934	0.007	96	298844	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.003	3.010	-0.007	81	370697	0	
12 1,1-Dichloroethene	1	96	3.017	3.024	-0.007	90	408162	125.6	
13 Carbon disulfide	1	76	3.052	3.059	-0.007	98	1234655	132.4	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.066	3.073	-0.007	39	304494	129.2	
15 Iodomethane	1	142	3.177	3.177	0.0	98	727569	0	
16 Acrolein	1	56	3.385	3.385	0.0	98	6497816	0	
17 3-Chloro-1-propene	1	76	3.545	3.552	-0.007	80	291748	0	
18 Isopropyl alcohol	1	45	3.559	3.552	0.007	92	2422285	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	83	553490	133.0	
20 Acetone	1	43	3.725	3.725	0.0	100	2077292	1437.3	
21 trans-1,2-Dichloroethene	1	61	3.857	3.864	-0.007	38	757554	133.5	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	6553519	1573.3	
23 Hexane	1	57	3.955	3.954	0.001	58	1046821	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	63	1501890	135.2	
25 2-Methyl-2-propanol	1	59	4.093	4.086	0.007	53	832403	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	99	437299	0	
27 Isopropyl ether	1	45	4.441	4.440	0.001	94	1656634	0	
28 1,1-Dichloroethane	1	63	4.593	4.600	-0.007	85	961985	135.1	
29 Acrylonitrile	1	53	4.656	4.663	-0.007	81	296142	151.2	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	88	454278	0	
S 31 1,2-Dichloroethene, Total	1	1				0		265.1	
33 Tert-butyl ethyl ether	1	59	4.878	4.885	-0.007	42	1490796	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	10949512	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	69	749594	131.6	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	83	449242	124.4	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	86	408269	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	85	802801	0	
38 Chloroform	1	83	5.565	5.565	0.0	66	978684	130.0	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	8501015	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	21	591627	138.0	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	77	3050318	1451.0	
42 sec-Butyl Alcohol	1	59	5.773	5.766	0.007	72	898470	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	18	111814	19.3	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	36	693336	131.3	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	100	4055911	1616.8	
46 1,1-Dichloropropene	1	75	5.968	5.961	0.007	89	708933	133.3	
47 n-Heptane	1	43	6.225	6.232	-0.007	95	739163	0	
48 Benzene	1	78	6.266	6.266	0.0	95	2112887	133.4	
50 Propionitrile	1	54	6.405	6.405	0.0	35	13167	0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	98	1420313	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	21822	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	85	576734	132.4	
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	98	333243	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.822	0.0	42	240323	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	9716908	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	79	683516	136.9	
56 Trichloroethene	1	95	6.975	6.975	0.0	89	471167	129.8	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	67	744374	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	89	325916	133.1	
60 1,2-Dichloropropane	1	63	7.663	7.656	0.007	59	473731	135.5	
S 61 1,3-Dichloropropene, Total	1	1				0		285.0	
62 Dichlorobromomethane	1	83	7.753	7.753	0.0	80	567654	134.7	
63 Methyl methacrylate	1	69	8.004	8.011	-0.007	91	408255	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	54	64160	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	65975	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	99	8427204	0	
67 2-Chloroethyl vinyl ether	1	63	8.685	8.678	0.007	90	3624758	0	
68 cis-1,3-Dichloropropene	1	75	8.768	8.761	0.007	85	708853	143.5	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	333819	20.0	
70 Toluene	1	92	9.192	9.192	0.0	97	1011920	133.0	
72 2-Nitropropane	1	39	9.588	9.581	0.007	64	521572	0	
73 sec-Butyl acetate	1	43	9.588	9.581	0.007	99	10819177	0	
74 Tetrachloroethene	1	166	9.811	9.804	0.007	53	475651	131.5	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.839	9.838	0.001	97	5773757	1452.6	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	83	638318	141.5	
77 Isobutyl acetate	1	43	10.054	10.047	0.007	97	10915255	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.109	0.001	77	384750	131.6	
79 Ethyl methacrylate	1	69	10.158	10.151	0.007	59	686247	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	88	497668	136.0	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	91	666107	137.7	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	98	482064	136.7	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.902	10.895	0.007	98	8501233	0	
84 2-Hexanone	1	43	10.999	10.992	0.007	96	4480994	1513.6	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	230140	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	94	1142148	134.1	
87 Ethylbenzene	1	91	11.381	11.381	0.0	67	1917249	134.5	
88 1,1,1,2-Tetrachloroethane	1	131	11.416	11.409	0.007	93	379866	135.0	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	2984862	269.8	
S 71 Xylenes, Total	1	1				0		405.3	
90 o-Xylene	1	91	12.042	12.035	0.007	97	1536276	135.5	
91 Styrene	1	104	12.097	12.097	0.0	76	1220270	135.7	
92 Bromoform	1	173	12.111	12.111	0.0	53	388748	148.1	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	96	1812521	133.3	
$ 94 BFB	1	95	12.667	12.667	0.0	0	112076	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	92	112076	19.4	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	199366	0	
97 Bromobenzene	1	77	12.765	12.764	0.001	92	822451	128.7	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	76	2158413	129.5	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	92	661025	140.7	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	95	1277488	127.6	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	48	163054	129.4	
101 1,3,5-Trimethylbenzene	1	105	13.022	13.015	0.007	67	1476213	126.9	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	6	179348	149.3	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	93	1340850	126.2	
105 tert-Butylbenzene	1	119	13.328	13.327	0.001	92	1224454	127.4	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	94	1492248	126.7	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	1841609	126.4	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	97	1473563	127.1	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	96	881267	123.6	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	115180	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	94	908803	134.0	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	97	1478484	139.3	
113 Hexachloroethane	1	117	14.148	14.148	0.0	88	231644	0	
114 1,2-Dichlorobenzene	1	146	14.175	14.175	0.0	97	837784	135.4	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	87	154669	159.4	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	607974	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	86	45153	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	83	277429	144.9	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	93	582236	147.7	
120 Naphthalene	1	128	15.774	15.774	0.0	97	1815003	149.8	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	94	560740	151.5	

Report Date: 01-Dec-2011 11:16:50 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D

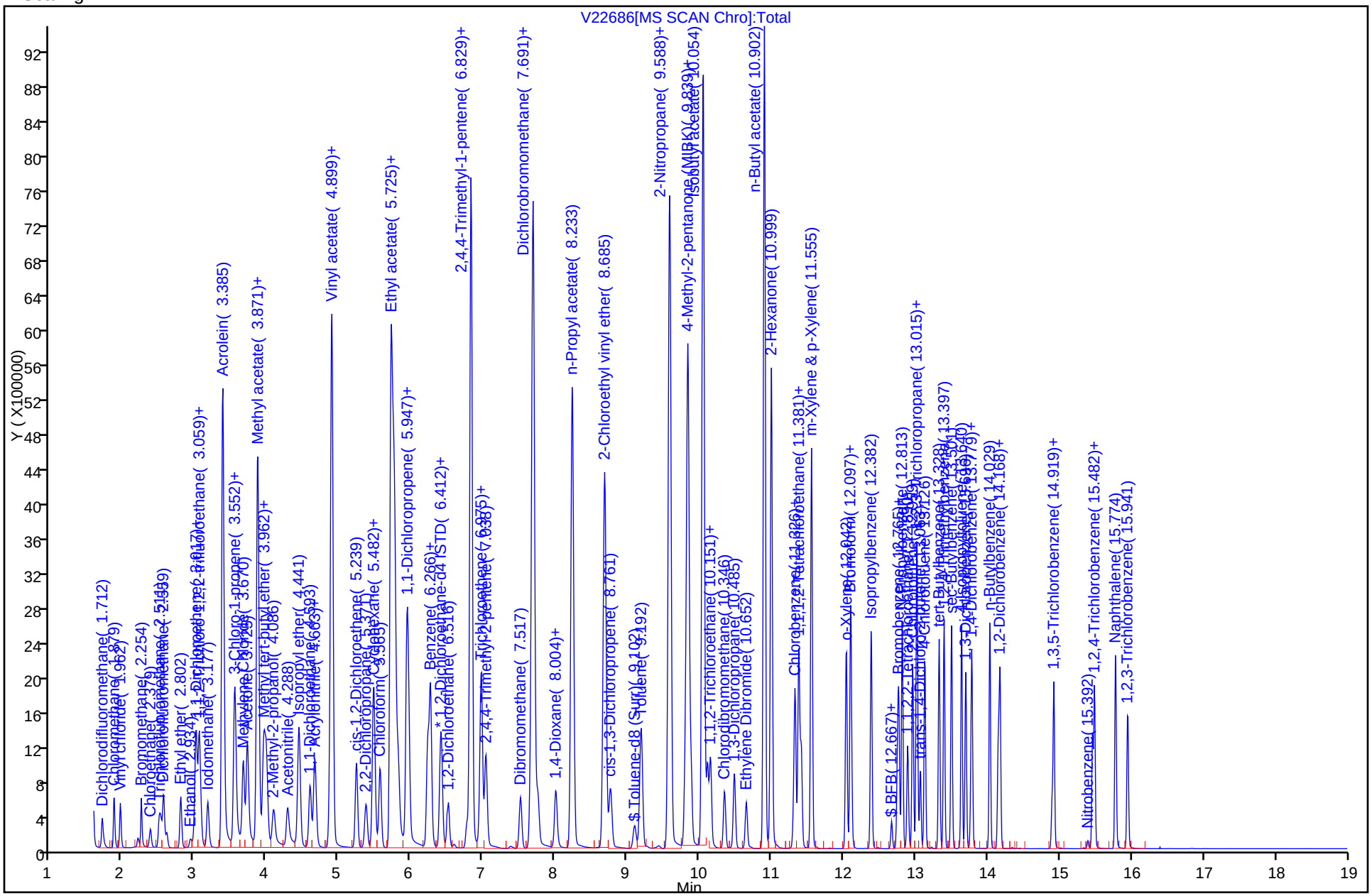
Injection Date: 29-Nov-2011 22:31:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84017 Lims Sample ID: 10

Operator ID: tph

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCVIS 360-84387/2 Calibration Date: 12/06/2011 14:18

Instrument ID: Agilent#2 GC/MS Calib Start Date: 11/29/2011 19:37

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/29/2011 22:31

Lab File ID: V22864.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	Ave	0.1683	0.2030		24.1	20.0	20.6	30.0
Chloromethane	Ave	0.2324	0.2180	0.1000	18.8	20.0	-6.2	30.0
Vinyl chloride	Ave	0.1915	0.2038		21.3	20.0	6.4	20.0
Bromomethane	Ave	0.1260	0.1394		22.1	20.0	10.6	30.0
Chloroethane	Ave	0.1025	0.0988		19.3	20.0	-3.6	30.0
Trichlorofluoromethane	Ave	0.2661	0.3135		23.6	20.0	17.8	30.0
1,1-Dichloroethene	Ave	0.1950	0.2135		21.9	20.0	9.5	20.0
Carbon disulfide	Ave	0.5595	0.5829		20.8	20.0	4.2	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1415	0.1794		25.4	20.0	26.8	30.0
Methylene Chloride	Lin1		0.2770		21.8	20.0	9.0	30.0
Acetone	Ave	1.325	1.278		193	200	-3.5	30.0
trans-1,2-Dichloroethene	Ave	0.3407	0.3540		20.8	20.0	3.9	30.0
Methyl acetate	Ave	0.2500	0.2367		189	200	-5.3	30.0
Methyl tert-butyl ether	Ave	0.6669	0.7205		21.6	20.0	8.0	30.0
1,1-Dichloroethane	Ave	0.4274	0.4456	0.1000	20.9	20.0	4.3	30.0
Acrylonitrile	Ave	0.1175	0.1194		20.3	20.0	1.6	30.0
cis-1,2-Dichloroethene	Ave	0.3417	0.3468		20.3	20.0	1.5	30.0
2,2-Dichloropropane	Lin1		0.2595		23.8	20.0	19.0	30.0
Chloroform	Ave	0.4519	0.4875		21.6	20.0	7.9	20.0
Carbon tetrachloride	Ave	0.2572	0.3518		27.4	20.0	36.8*	30.0
Tetrahydrofuran	Ave	0.1262	0.1191		189	200	-5.6	30.0
1,1,1-Trichloroethane	Lin1		0.3795		23.9	20.0	19.5	30.0
2-Butanone (MEK)	Ave	2.299	2.054		179	200	-10.7	30.0
1,1-Dichloropropene	Ave	0.3191	0.3547		22.2	20.0	11.1	30.0
Benzene	Ave	0.9508	1.010		21.3	20.0	6.3	30.0
1,2-Dichloroethane	Ave	0.2615	0.2824		21.6	20.0	8.0	30.0
Methylcyclohexane	Ave	0.2996	0.3364		22.5	20.0	12.3	30.0
Trichloroethene	Ave	0.2178	0.2419		22.2	20.0	11.0	30.0
Dibromomethane	Ave	0.1470	0.1591		21.6	20.0	8.2	30.0
1,2-Dichloropropane	Ave	0.2098	0.2070		19.7	20.0	-1.4	20.0
Dichlorobromomethane	Ave	0.2529	0.2855		22.6	20.0	12.9	30.0
cis-1,3-Dichloropropene	Ave	0.2965	0.3308		22.3	20.0	11.5	30.0
Toluene	Ave	0.4567	0.4914		21.5	20.0	7.6	20.0
Tetrachloroethene	Ave	0.2172	0.2603		24.0	20.0	19.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	3.643	3.224		177	200	-11.5	30.0
trans-1,3-Dichloropropene	Ave	0.2707	0.3027		22.4	20.0	11.8	30.0
1,1,2-Trichloroethane	Ave	0.1754	0.1823		20.8	20.0	3.9	30.0
Chlorodibromomethane	Lin1		0.2585		23.6	20.0	18.0	30.0
1,3-Dichloropropane	Ave	0.2904	0.3057		21.1	20.0	5.3	30.0
Ethylene Dibromide	Ave	0.2117	0.2393		22.6	20.0	13.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCVIS 360-84387/2 Calibration Date: 12/06/2011 14:18

Instrument ID: Agilent#2 GC/MS Calib Start Date: 11/29/2011 19:37

GC Column: RTX-VMS ID: 0.25(um) Calib End Date: 11/29/2011 22:31

Lab File ID: V22864.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
2-Hexanone	Ave	2.713	2.404		177	200	-11.4	30.0
Chlorobenzene	Ave	0.7400	0.7982	0.3000	21.6	20.0	7.9	30.0
Ethylbenzene	Ave	1.238	1.276		20.6	20.0	3.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2445	0.2728		22.3	20.0	11.6	30.0
m-Xylene & p-Xylene	Ave	0.9615	1.014		42.2	40.0	5.5	30.0
o-Xylene	Ave	0.9855	1.033		21.0	20.0	4.8	30.0
Styrene	Ave	0.7817	0.8345		21.4	20.0	6.8	30.0
Bromoform	Lin1		0.4921	0.1000	21.8	20.0	9.0	30.0
Isopropylbenzene	Ave	1.182	1.277		21.6	20.0	8.1	30.0
Bromobenzene	Ave	0.5553	0.5245		18.9	20.0	-5.5	30.0
N-Propylbenzene	Ave	1.449	1.510		20.9	20.0	4.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8157	0.7262	0.3000	17.8	20.0	-11.0	30.0
2-Chlorotoluene	Ave	0.8700	0.8861		20.4	20.0	1.9	30.0
1,2,3-Trichloropropane	Ave	0.1095	0.1120		20.4	20.0	2.2	30.0
1,3,5-Trimethylbenzene	Ave	1.011	1.080		21.4	20.0	6.8	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1044	0.0913		17.5	20.0	-12.5	30.0
4-Chlorotoluene	Ave	0.9235	0.9584		20.8	20.0	3.8	30.0
tert-Butylbenzene	Ave	0.8354	0.9093		21.8	20.0	8.8	30.0
1,2,4-Trimethylbenzene	Ave	1.023	1.099		21.5	20.0	7.3	30.0
sec-Butylbenzene	Ave	1.266	1.361		21.5	20.0	7.5	30.0
4-Isopropyltoluene	Ave	1.008	1.134		22.5	20.0	12.6	30.0
1,3-Dichlorobenzene	Ave	0.6197	0.6988		22.6	20.0	12.8	30.0
1,4-Dichlorobenzene	Ave	1.178	1.236		21.0	20.0	4.9	30.0
n-Butylbenzene	Ave	1.842	1.863		20.2	20.0	1.1	30.0
1,2-Dichlorobenzene	Ave	1.074	1.107		20.6	20.0	3.0	30.0
1,2-Dibromo-3-Chloropropane	Lin1		0.1683		20.1	20.0	0.5	30.0
Hexachlorobutadiene	Ave	0.3325	0.3925		23.6	20.0	18.0	30.0
1,2,4-Trichlorobenzene	Ave	0.6846	0.7246		21.2	20.0	5.9	30.0
Naphthalene	Lin1		1.932		18.5	20.0	-7.5	30.0
1,2,3-Trichlorobenzene	Ave	0.6425	0.6811		21.2	20.0	6.0	30.0
Dibromofluoromethane	Ave	0.3469	0.3690		21.3	20.0	6.4	30.0
Toluene-d8 (Surr)	Ave	1.000	1.014		20.3	20.0	1.3	30.0
4-Bromofluorobenzene	Ave	0.5008	0.4912		19.6	20.0	-1.9	30.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22864.D
Lims ID: CCVIS Client ID:
Inject. Date: 06-Dec-2011 14:18:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 84387 Lims Sample ID: 2
Sublist: chrom-WES2UNPR*sub22
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\WES2UNPR.m
Last Update: 08-Dec-2011 13:14:58 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 08-Dec-2011 13:14:58

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	86	50705	24.1	
2 Chloromethane	1	50	1.879	1.879	0.0	89	54453	18.8	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	52716	0	
3 Vinyl chloride	1	62	1.962	1.962	0.0	84	50899	21.3	
5 Bromomethane	1	94	2.268	2.268	0.0	90	34812	22.1	
6 Chloroethane	1	64	2.392	2.392	0.0	92	24679	19.3	
7 Trichlorofluoromethane	1	101	2.517	2.517	0.0	84	78307	23.6	
8 Dichlorofluoromethane	1	67	2.573	2.573	0.0	75	75776	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	91	42070	0	
10 Ethanol	1	45	2.934	2.934	0.0	95	30388	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	72	49871	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	88	53330	21.9	
13 Carbon disulfide	1	76	3.059	3.059	0.0	97	145582	20.8	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.080	3.080	0.0	56	44811	25.4	
15 Iodomethane	1	142	3.177	3.177	0.0	97	88815	0	
16 Acrolein	1	56	3.385	3.385	0.0	94	677135	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	63	32309	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	92	266076	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	81	69176	21.8	
20 Acetone	1	43	3.725	3.725	0.0	100	221807	193.0	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	38	88429	20.8	
22 Methyl acetate	1	43	3.871	3.871	0.0	97	591220	189.4	
23 Hexane	1	57	3.955	3.955	0.0	57	117449	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	62	179974	21.6	
25 2-Methyl-2-propanol	1	59	4.086	4.086	0.0	12	98921	0	
26 Acetonitrile	1	40	4.281	4.281	0.0	100	43573	0	
27 Isopropyl ether	1	45	4.441	4.441	0.0	93	169488	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	85	111294	20.9	
29 Acrylonitrile	1	53	4.663	4.663	0.0	70	29832	20.3	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Halothane	1	117	4.663	4.663	0.0	86	57408	0	
S 31 1,2-Dichloroethene, Total	1	1				0		41.1	
33 Tert-butyl ethyl ether	1	59	4.878	4.878	0.0	44	171515	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	1183213	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	67	86612	20.3	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	88	64816	23.8	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	84	54963	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	82	85121	0	
38 Chloroform	1	83	5.565	5.565	0.0	75	121776	21.6	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	799572	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	27	87878	27.4	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	74	297513	188.8	
42 sec-Butyl Alcohol	1	59	5.767	5.767	0.0	69	89292	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	72	92165	21.3	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	34	94785	23.9	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	99	356469	178.7	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	96	88593	22.2	
47 n-Heptane	1	43	6.225	6.225	0.0	92	72826	0	
48 Benzene	1	78	6.266	6.266	0.0	94	252395	21.3	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	98	172592	0	
50 Propionitrile	1	54	6.421	6.421	0.0	1	0	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	17354	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	72	70534	21.6	
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	249775	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.815	6.815	0.0	47	33654	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	944714	0	
57 Methylcyclohexane	1	83	6.961	6.961	0.0	85	84027	22.5	
56 Trichloroethene	1	95	6.975	6.975	0.0	91	60409	22.2	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	68	88797	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	82	39730	21.6	
S 61 1,3-Dichloropropene, Total	1	1				0		44.7	
60 1,2-Dichloropropane	1	63	7.663	7.663	0.0	59	51692	19.7	
62 Dichlorobromomethane	1	83	7.753	7.753	0.0	79	71315	22.6	
63 Methyl methacrylate	1	69	8.004	8.004	0.0	87	42039	0	
65 1,4-Dioxane	1	88	8.059	8.059	0.0	40	7552	0	M
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	7874	0	M
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	734103	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	88	358480	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	62	82616	22.3	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	253165	20.3	
70 Toluene	1	92	9.192	9.192	0.0	89	122729	21.5	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	98	1031529	0	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	58761	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	79	65022	24.0	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.832	9.832	0.0	96	559433	177.0	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	67	75612	22.4	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	1086193	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.110	0.0	77	45533	20.8	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	65	68659	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	87	64573	23.6	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	88	76366	21.1	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	98	59759	22.6	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	807727	0	
84 2-Hexanone	1	43	10.992	10.992	0.0	95	417190	177.2	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	84	190061	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	96	151698	21.6	
87 Ethylbenzene	1	91	11.374	11.374	0.0	51	242506	20.6	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	89	51853	22.3	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	385426	42.2	
S 71 Xylenes, Total	1	1				0		63.1	
90 o-Xylene	1	91	12.035	12.035	0.0	96	196324	21.0	
91 Styrene	1	104	12.097	12.097	0.0	76	158599	21.4	
92 Bromoform	1	173	12.104	12.104	0.0	49	54175	21.8	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	242787	21.6	
$ 94 BFB	1	95	12.667	12.667	0.0	97	93355	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	93355	19.6	
96 cis-1,4-Dichloro-2-butene	1	88	12.744	12.744	0.0	0	18333	0	
97 Bromobenzene	1	77	12.765	12.765	0.0	86	99680	18.9	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	77	287059	20.9	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	86	79945	17.8	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	96	168419	20.4	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	45	21277	20.4	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	71	205217	21.4	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	5	17359	17.5	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	96	182158	20.8	
105 tert-Butylbenzene	1	119	13.327	13.327	0.0	90	172816	21.8	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	94	208791	21.5	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	93	258706	21.5	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	97	215598	22.5	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	95	132818	22.6	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	110088	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	90	136020	21.0	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	93	205061	20.2	
113 Hexachloroethane	1	117	14.148	14.148	0.0	82	32142	0	
114 1,2-Dichlorobenzene	1	146	14.168	14.168	0.0	99	121859	20.6	
115 1,2-Dibromo-3-Chloropropane	1	157	14.891	14.891	0.0	85	18529	20.1	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	97	88587	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	79	4834	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	81	43207	23.6	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	93	79774	21.2	
120 Naphthalene	1	128	15.774	15.774	0.0	96	212707	18.5	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	95	74976	21.2	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Dec-2011 13:14:59 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22864.D

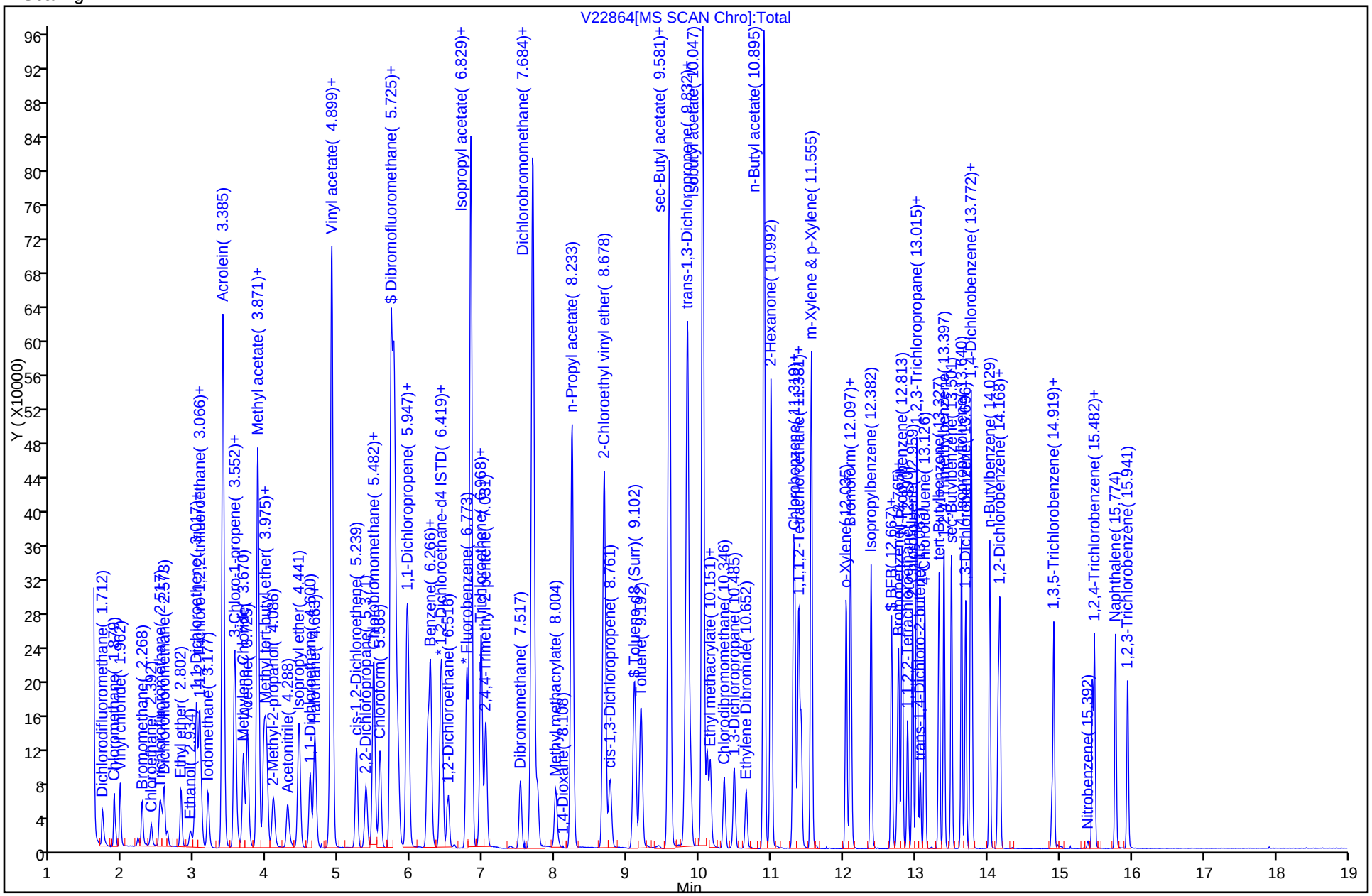
Injection Date: 06-Dec-2011 14:18:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84387 Lims Sample ID: 2

Operator ID: tph

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22677.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	29-Nov-2011 19:15:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:			
Operator:	tph	Instrument ID:	Agilent#2 GC/MS
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	84017	Lims Sample ID:	1
Detector 1 :	MS SCAN		
Detector 2 :	MS SIM		
Method:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\WES2UNPR.m		
Last Update:	01-Dec-2011 11:13:16	Calib Date:	29-Nov-2011 22:31:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D		
Limit Group:	VMS - 8260B VOA Calibration RCP		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORPRDS03		
First Level Reviewer: hartmannt		Date:	01-Dec-2011 11:13:16

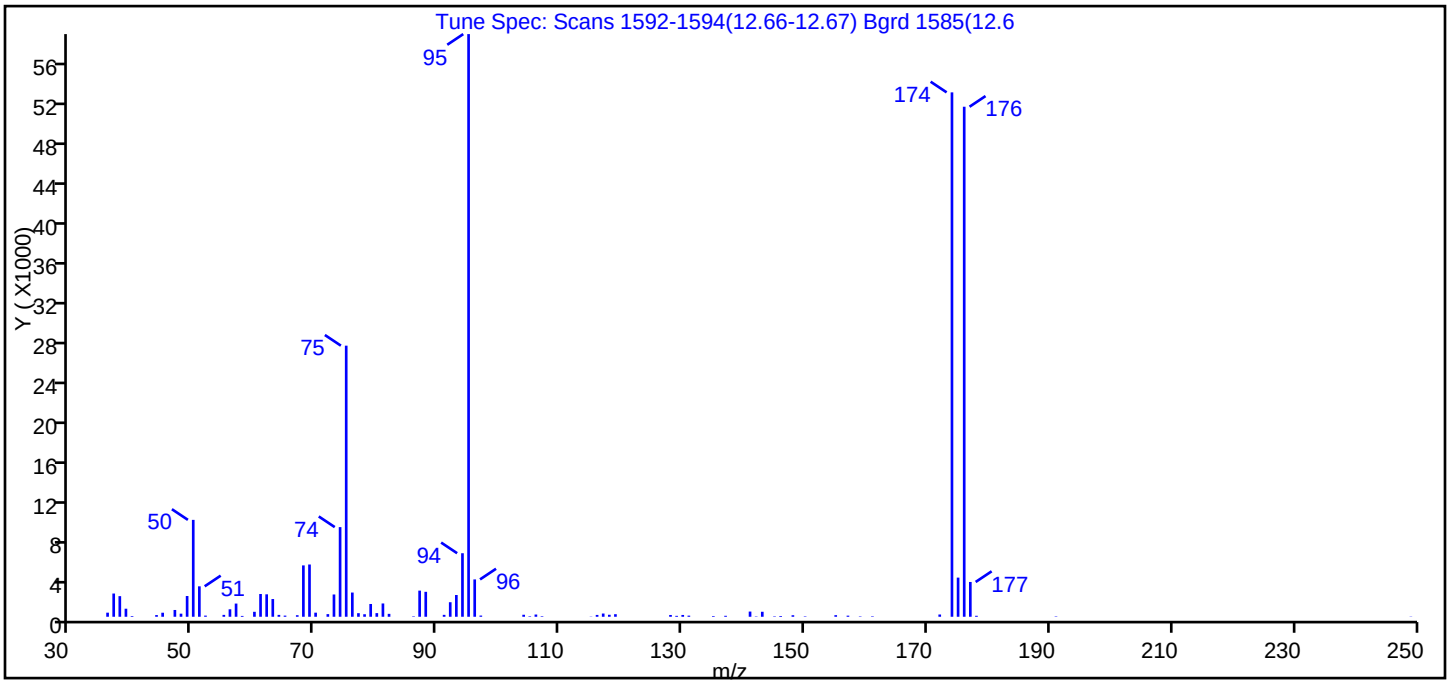
Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	71	109070	20.1	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	21281	20.0	
* 53 Fluorobenzene	1	96	6.774	6.774	0.0	99	313023	20.0	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	309674	19.8	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	86	223455	20.0	
$ 94 BFB	1	95	12.667	12.667	0.0	92	110276	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	92	110276	19.7	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	94	119597	20.0	

Report Date: 01-Dec-2011 11:13:17 Chrom Revision: 2.0 29-Sep-2011 09:38:02

MS Tune Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22677.D
Injection Date: 29-Nov-2011 19:15:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84017 Lims Sample ID: 1
Operator ID: tph
Tune Method: BFB Method 8260

$ 94 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.63
75	30.00 - 60.00% of mass 95	46.53
96	5.00 - 9.00% of mass 95	6.41
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	90.00
175	5.00 - 9.00% of mass 174	6.72 (7.47)
176	95.00 - 101.00% of mass 174	87.53 (97.26)
177	5.00 - 9.00% of mass 176	5.97 (6.82)

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22677.D\WES2UNPR.rslt\spectra.d
Injection Date: 29-Nov-2011 19:15:30
Spectrum: Tune Spec: Scans 1592-1594(12.66-12.67) Bgrd 1585(12.6
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 82

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	408	64.00	187	92.00	1450	141.00	519
37.00	2317	65.00	115	93.00	2169	142.00	36
38.00	2055	67.00	155	94.00	6334	143.00	499
39.00	803	68.00	5121	95.00	58080	145.00	45
40.00	69	69.00	5210	96.00	3723	146.00	77
44.00	169	70.00	408	97.00	120	148.00	153
45.00	403	72.00	263	104.00	201	150.00	44
47.00	677	73.00	2222	105.00	49	155.00	159
48.00	309	74.00	8937	106.00	223	157.00	111
49.00	2069	75.00	27024	107.00	56	159.00	41
50.00	9659	76.00	2415	115.00	22	161.00	49
51.00	3035	77.00	358	116.00	183	172.00	226
52.00	116	78.00	252	117.00	323	174.00	52272
55.00	188	79.00	1274	118.00	200	175.00	3903
56.00	746	80.00	364	119.00	257	176.00	50840
57.00	1316	81.00	1326	128.00	178	177.00	3469
58.00	84	82.00	291	129.00	92	178.00	99
60.00	495	86.00	47	130.00	180	191.00	40
61.00	2269	87.00	2606	131.00	113	249.00	24
62.00	2238	88.00	2487	135.00	67		
63.00	1767	91.00	191	137.00	98		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22863.D
Lims ID: BFB Client ID:
Inject. Date: 06-Dec-2011 13:56:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 84387 Lims Sample ID: 1
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\WES2UNPR.m
Last Update: 08-Dec-2011 12:23:33 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 08-Dec-2011 12:23:33

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	85	48456	22.9	
2 Chloromethane	1	50	1.879	1.879	0.0	89	52117	17.8	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	49167	0	
3 Vinyl chloride	1	62	1.962	1.962	0.0	83	47756	19.8	
5 Bromomethane	1	94	2.261	2.261	0.0	91	33234	21.0	
6 Chloroethane	1	64	2.393	2.393	0.0	94	23239	18.0	
7 Trichlorofluoromethane	1	101	2.518	2.518	0.0	85	73196	21.9	
8 Dichlorofluoromethane	1	67	2.573	2.573	0.0	75	71923	0	
9 Ethyl ether	1	59	2.809	2.809	0.0	91	41879	0	
10 Ethanol	1	45	2.934	2.934	0.0	96	24778	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	77	47059	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	89	50493	20.6	
13 Carbon disulfide	1	76	3.059	3.059	0.0	97	142513	20.2	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.080	3.080	0.0	26	42255	23.7	
15 Iodomethane	1	142	3.184	3.184	0.0	97	85742	0	
16 Acrolein	1	56	3.392	3.392	0.0	95	683213	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	63	30569	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	92	258576	0	
19 Methylene Chloride	1	84	3.677	3.677	0.0	76	69397	21.7	
20 Acetone	1	43	3.732	3.732	0.0	100	225476	197.4	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	39	84366	19.7	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	589775	187.5	
23 Hexane	1	57	3.962	3.962	0.0	57	111665	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	87	180683	21.5	
25 2-Methyl-2-propanol	1	59	4.086	4.086	0.0	57	97703	0	
26 Acetonitrile	1	40	4.288	4.288	0.0	99	42392	0	
27 Isopropyl ether	1	45	4.441	4.441	0.0	92	163679	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	85	106296	19.8	
29 Acrylonitrile	1	53	4.663	4.663	0.0	74	30017	20.3	
30 Halothane	1	117	4.670	4.670	0.0	86	54986	0	

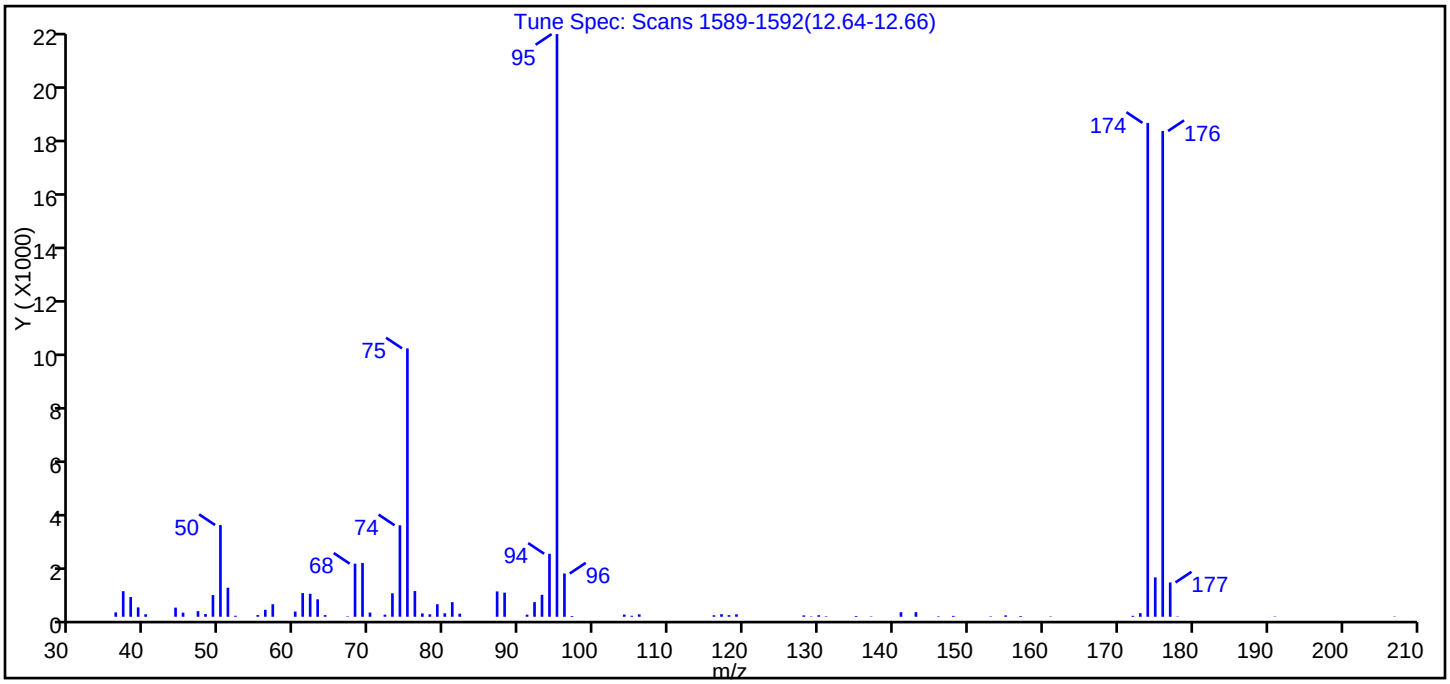
Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		39.1	
33 Tert-butyl ethyl ether	1	59	4.885	4.885	0.0	37	169684	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	1202144	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	66	83355	19.4	
35 2,2-Dichloropropane	1	77	5.378	5.378	0.0	87	62042	22.6	
36 Chlorobromomethane	1	130	5.482	5.482	0.0	89	53278	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	85	80100	0	
38 Chloroform	1	83	5.572	5.572	0.0	64	116394	20.5	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	802212	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	24	82907	25.6	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	73	301538	189.9	
42 sec-Butyl Alcohol	1	59	5.767	5.767	0.0	69	88885	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	67	92245	21.1	
44 1,1,1-Trichloroethane	1	97	5.822	5.822	0.0	35	91335	22.9	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	99	358159	180.6	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	95	83762	20.9	
47 n-Heptane	1	43	6.232	6.232	0.0	89	69281	0	
48 Benzene	1	78	6.266	6.266	0.0	94	243393	20.3	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	98	171863	0	
50 Propionitrile	1	54		6.433					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.433	6.433	0.0	0	17249	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	78	70255	21.4	
* 53 Fluorobenzene	1	96	6.774	6.774	0.0	99	251699	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.815	6.815	0.0	47	31632	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	939760	0	
57 Methylcyclohexane	1	83	6.968	6.968	0.0	85	78103	20.7	
56 Trichloroethene	1	95	6.975	6.975	0.0	92	58365	21.3	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	73	81722	0	
59 Dibromomethane	1	93	7.510	7.510	0.0	83	39060	21.1	
S 61 1,3-Dichloropropene, Total	1	1				0		43.8	
60 1,2-Dichloropropane	1	63	7.663	7.663	0.0	58	49895	18.9	
62 Dichlorobromomethane	1	83	7.753	7.753	0.0	79	69574	21.9	
63 Methyl methacrylate	1	69	8.004	8.004	0.0	86	41849	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	7638	0	
65 1,4-Dioxane	1	88	8.045	8.045	0.0	86	6242	0	
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	734772	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	89	355371	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	54	80806	21.7	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	84	253572	20.1	
70 Toluene	1	92	9.192	9.192	0.0	93	118412	20.6	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	98	1028372	0	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	57731	0	
74 Tetrachloroethene	1	166	9.811	9.811	0.0	53	62638	22.9	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.839	9.839	0.0	96	557619	177.5	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	68	75479	22.2	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	96	1075795	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.110	0.0	75	45098	20.4	
79 Ethyl methacrylate	1	69		10.242					
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	87	63793	23.2	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	88	75811	20.7	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	97	59654	22.4	
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	801249	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43	10.992	10.992	0.0	96	419750	179.4	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	83	190453	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	95	146056	20.7	
87 Ethylbenzene	1	91	11.375	11.375	0.0	51	233211	19.8	
88 1,1,1,2-Tetrachloroethane	1	131	11.416	11.416	0.0	92	51047	21.9	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	370726	40.5	
S 71 Xylenes, Total	1	1				0		60.6	
90 o-Xylene	1	91	12.035	12.035	0.0	96	189171	20.2	
91 Styrene	1	104	12.097	12.097	0.0	74	152957	20.5	
92 Bromoform	1	173	12.111	12.111	0.0	69	55246	22.3	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	232435	20.7	
$ 94 BFB	1	95	12.667	12.667	0.0	97	93917	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	93917	19.7	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.751	0.0	0	19191	0	
97 Bromobenzene	1	77	12.765	12.765	0.0	87	98926	18.7	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	76	274969	19.9	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	93	80383	18.0	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	96	163750	19.8	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	54	21464	20.6	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	67	198086	20.6	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	9	17723	17.8	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	92	175683	20.0	
105 tert-Butylbenzene	1	119	13.328	13.328	0.0	90	165027	20.7	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	94	201474	20.7	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	243060	20.2	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	96	204812	21.3	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	95	126946	21.5	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	109562	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	89	131510	20.4	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	96	192584	19.1	
113 Hexachloroethane	1	117	14.148	14.148	0.0	89	31492	0	
114 1,2-Dichlorobenzene	1	146	14.168	14.168	0.0	98	117886	20.0	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.898	0.0	84	18883	20.6	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	96	84696	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	77	4677	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	80	41368	22.7	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	93	78482	20.9	
120 Naphthalene	1	128	15.774	15.774	0.0	96	208776	18.3	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	95	72396	20.6	

MS Tune Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22863.D
Injection Date: 06-Dec-2011 13:56:30 Limit Group: VMS - 8260B VOA Calibration RCP
Client ID: Instrument ID: Agilent#2 GC/MS
Lims Batch ID: 84387 Lims Sample ID: 1
Operator ID: tph
Tune Method: BFB Method 8260

$ 94 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.74
75	30.00 - 60.00% of mass 95	46.06
96	5.00 - 9.00% of mass 95	7.43
173	Less than 2.00% of mass 174	0.61 (0.72)
174	Greater than 50.00% of mass 95	84.76
175	5.00 - 9.00% of mass 174	6.76 (7.98)
176	95.00 - 101.00% of mass 174	83.36 (98.35)
177	5.00 - 9.00% of mass 176	5.89 (7.06)

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22863.D\WES2UNPR.rslt\spectra.d
Injection Date: 06-Dec-2011 13:56:30
Spectrum: Tune Spec: Scans 1589-1592(12.64-12.66)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 75

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	165	63.00	651	91.00	79	137.00	14
37.00	955	64.00	62	92.00	546	141.00	170
38.00	735	67.00	18	93.00	818	143.00	172
39.00	349	68.00	1980	94.00	2350	146.00	19
40.00	94	69.00	2009	95.00	21736	148.00	33
44.00	341	70.00	157	96.00	1614	153.00	16
45.00	154	72.00	77	97.00	29	155.00	52
47.00	210	73.00	876	104.00	82	157.00	27
48.00	101	74.00	3413	105.00	37	161.00	14
49.00	809	75.00	10011	106.00	91	172.00	36
50.00	3422	76.00	959	116.00	57	173.00	133
51.00	1084	77.00	124	117.00	96	174.00	18424
52.00	38	78.00	93	118.00	61	175.00	1470
55.00	64	79.00	468	119.00	91	176.00	18120
56.00	260	80.00	130	128.00	51	177.00	1280
57.00	468	81.00	544	129.00	13	178.00	14
60.00	195	82.00	117	130.00	58	191.00	14
61.00	883	87.00	946	131.00	20	207.00	13
62.00	857	88.00	899	135.00	30		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37913-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 360-84387/6

Matrix: Water | Lab File ID: V22868.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/06/2011 15:45

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.: 84387 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.20
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.20
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
75-34-3	1,1-Dichloroethane	ND		1.0	0.20
75-35-4	1,1-Dichloroethene	ND		1.0	0.20
563-58-6	1,1-Dichloropropene	ND		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	ND		1.0	0.20
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	0.20
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.20
78-87-5	1,2-Dichloropropane	ND		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.20
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.20
142-28-9	1,3-Dichloropropane	ND		1.0	0.20
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.20
594-20-7	2,2-Dichloropropane	ND		1.0	0.20
78-93-3	2-Butanone (MEK)	ND		10	1.3
95-49-8	2-Chlorotoluene	ND		1.0	0.20
591-78-6	2-Hexanone	ND		10	2.0
106-43-4	4-Chlorotoluene	ND		1.0	0.20
99-87-6	4-Isopropyltoluene	ND		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.0
67-64-1	Acetone	ND		50	20
107-13-1	Acrylonitrile	ND		0.50	0.20
71-43-2	Benzene	ND		1.0	0.20
108-86-1	Bromobenzene	ND		1.0	0.20
75-25-2	Bromoform	ND		1.0	0.20
74-83-9	Bromomethane	ND		2.0	0.20
75-15-0	Carbon disulfide	ND		10	0.20
56-23-5	Carbon tetrachloride	ND		1.0	0.20
108-90-7	Chlorobenzene	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 360-84387/6

Matrix: Water Lab File ID: V22868.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2011 15:45

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.: 84387 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	ND		0.50	0.20
75-00-3	Chloroethane	ND		2.0	0.21
67-66-3	Chloroform	ND		1.0	0.20
74-87-3	Chloromethane	ND		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		0.40	0.20
74-95-3	Dibromomethane	ND		1.0	0.20
75-27-4	Dichlorobromomethane	ND		0.50	0.20
75-71-8	Dichlorodifluoromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.20
106-93-4	Ethylene Dibromide	ND		1.0	0.20
87-68-3	Hexachlorobutadiene	ND		0.40	0.20
98-82-8	Isopropylbenzene	ND		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		2.0	1.0
104-51-8	n-Butylbenzene	ND		1.0	0.20
103-65-1	N-Propylbenzene	ND		1.0	0.20
91-20-3	Naphthalene	ND		5.0	2.0
95-47-6	o-Xylene	ND		1.0	0.20
135-98-8	sec-Butylbenzene	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
98-06-6	tert-Butylbenzene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		10	0.44
108-88-3	Toluene	ND		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	ND		5.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.33
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		0.50	0.20
1330-20-7	Xylenes, Total	ND		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 360-84387/6

Matrix: Water Lab File ID: V22868.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2011 15:45

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.: 84387 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane	105		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22868.D
Lims ID: MB Client ID:
Inject. Date: 06-Dec-2011 15:45:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 7
Lims Batch ID: 84387 Lims Sample ID: 6
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\WES2UNPR.m
Last Update: 08-Dec-2011 13:21:19 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 08-Dec-2011 13:21:19

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85		1.712					
2 Chloromethane	1	50		1.879					
4 Vinyl chloride (SIM)	2	62	1.953	1.960	-0.007	0	28	0	
3 Vinyl chloride	1	62		1.962					
5 Bromomethane	1	94		2.268					
6 Chloroethane	1	64		2.392					
7 Trichlorofluoromethane	1	101		2.517					
8 Dichlorofluoromethane	1	67		2.573					
9 Ethyl ether	1	59		2.802					
10 Ethanol	1	45		2.934					
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117		3.010					
12 1,1-Dichloroethene	1	96		3.024					
13 Carbon disulfide	1	76		3.059					
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151		3.080					
15 Iodomethane	1	142		3.177					
16 Acrolein	1	56		3.385					
17 3-Chloro-1-propene	1	76		3.552					
18 Isopropyl alcohol	1	45	3.559	3.552	0.007	1	501	0	
19 Methylene Chloride	1	84		3.670					
20 Acetone	1	43	3.733	3.725	0.008	65	678	0.5958	
21 trans-1,2-Dichloroethene	1	61		3.864					
22 Methyl acetate	1	43		3.871					
23 Hexane	1	57		3.955					
24 Methyl tert-butyl ether	1	73		3.989					
25 2-Methyl-2-propanol	1	59		4.086					
26 Acetonitrile	1	40		4.281					
27 Isopropyl ether	1	45		4.441					
28 1,1-Dichloroethane	1	63		4.600					
29 Acrylonitrile	1	53		4.663					
30 Halothane	1	117		4.663					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1		4.749					7
33 Tert-butyl ethyl ether	1	59		4.878					
32 Vinyl acetate	1	43		4.899					
34 cis-1,2-Dichloroethene	1	61		5.239					
35 2,2-Dichloropropane	1	77		5.371					
36 Chlorobromomethane	1	130		5.475					
37 Cyclohexane	1	56		5.482					
38 Chloroform	1	83		5.565					
39 Ethyl acetate	1	43	5.725	5.718	0.007	74	1354	0	
41 Carbon tetrachloride	1	117		5.732					
40 Tetrahydrofuran	1	42		5.753					
42 sec-Butyl Alcohol	1	59		5.767					
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	59	89377	21.0	
44 1,1,1-Trichloroethane	1	97		5.815					
45 2-Butanone (MEK)	1	43		5.940					
46 1,1-Dichloropropene	1	75		5.968					
47 n-Heptane	1	43		6.225					
48 Benzene	1	78		6.266					
49 Tert-amyl methyl ether	1	73		6.412					
50 Propionitrile	1	54		6.421					
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	17183	20.0	
52 1,2-Dichloroethane	1	62		6.516					
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	245491	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55		6.815					
54 Isopropyl acetate	1	43		6.829					
57 Methylcyclohexane	1	83		6.961					
56 Trichloroethene	1	95		6.975					
58 2,4,4-Trimethyl-2-pentene	1	55		7.038					
59 Dibromomethane	1	93		7.517					
S 61 1,3-Dichloropropene, Total	1	1		7.662					7
60 1,2-Dichloropropane	1	63		7.663					
62 Dichlorobromomethane	1	83		7.753					
63 Methyl methacrylate	1	69		8.004					
64 1,4-Dioxane (SIM)	2	88		8.050					
65 1,4-Dioxane	1	88		8.059					
66 n-Propyl acetate	1	43		8.233					
67 2-Chloroethyl vinyl ether	1	63		8.678					
68 cis-1,3-Dichloropropene	1	75		8.761					
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	247213	20.1	
70 Toluene	1	92		9.192					
73 sec-Butyl acetate	1	43		9.581					
72 2-Nitropropane	1	39		9.581					
74 Tetrachloroethene	1	166		9.804					
75 4-Methyl-2-pentanone (MIBK)	1	43		9.832					
76 trans-1,3-Dichloropropene	1	75		9.880					
77 Isobutyl acetate	1	43		10.047					
78 1,1,2-Trichloroethane	1	83		10.110					
79 Ethyl methacrylate	1	69		10.151					
80 Chlorodibromomethane	1	129		10.346					
81 1,3-Dichloropropane	1	76		10.485					
82 Ethylene Dibromide	1	107		10.652					
83 n-Butyl acetate	1	43		10.895					

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43		10.992					
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	82	188487	20.0	
86 Chlorobenzene	1	112		11.326					
87 Ethylbenzene	1	91		11.374					
88 1,1,1,2-Tetrachloroethane	1	131		11.409					
89 m-Xylene & p-Xylene	1	91		11.555					
S 71 Xylenes, Total	1	1		12.000					7
90 o-Xylene	1	91		12.035					
91 Styrene	1	104		12.097					
92 Bromoform	1	173		12.104					
93 Isopropylbenzene	1	105		12.382					
$ 94 BFB	1	95	12.667	12.667	0.0	97	92083	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	92083	19.5	
96 cis-1,4-Dichloro-2-butene	1	88		12.744					
97 Bromobenzene	1	77		12.765					
98 N-Propylbenzene	1	91		12.813					
99 1,1,2,2-Tetrachloroethane	1	83		12.890					
100 2-Chlorotoluene	1	91		12.959					
102 1,2,3-Trichloropropane	1	110		13.015					
101 1,3,5-Trimethylbenzene	1	105		13.015					
103 trans-1,4-Dichloro-2-butene	1	53		13.063					
104 4-Chlorotoluene	1	91		13.126					
105 tert-Butylbenzene	1	119		13.327					
106 1,2,4-Trimethylbenzene	1	105		13.397					
107 sec-Butylbenzene	1	105		13.501					
108 4-Isopropyltoluene	1	119		13.640					
109 1,3-Dichlorobenzene	1	146		13.696					
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	92	105459	20.0	
111 1,4-Dichlorobenzene	1	146		13.779					
112 n-Butylbenzene	1	91		14.029					
113 Hexachloroethane	1	117		14.148					
114 1,2-Dichlorobenzene	1	146		14.168					
115 1,2-Dibromo-3-Chloropropane	1	157		14.891					
116 1,3,5-Trichlorobenzene	1	180		14.919					
117 Nitrobenzene	1	77		15.392					
118 Hexachlorobutadiene	1	225		15.454					
119 1,2,4-Trichlorobenzene	1	180		15.482					
120 Naphthalene	1	128		15.774					
121 1,2,3-Trichlorobenzene	1	180		15.948					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 08-Dec-2011 13:21:20 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22868.D

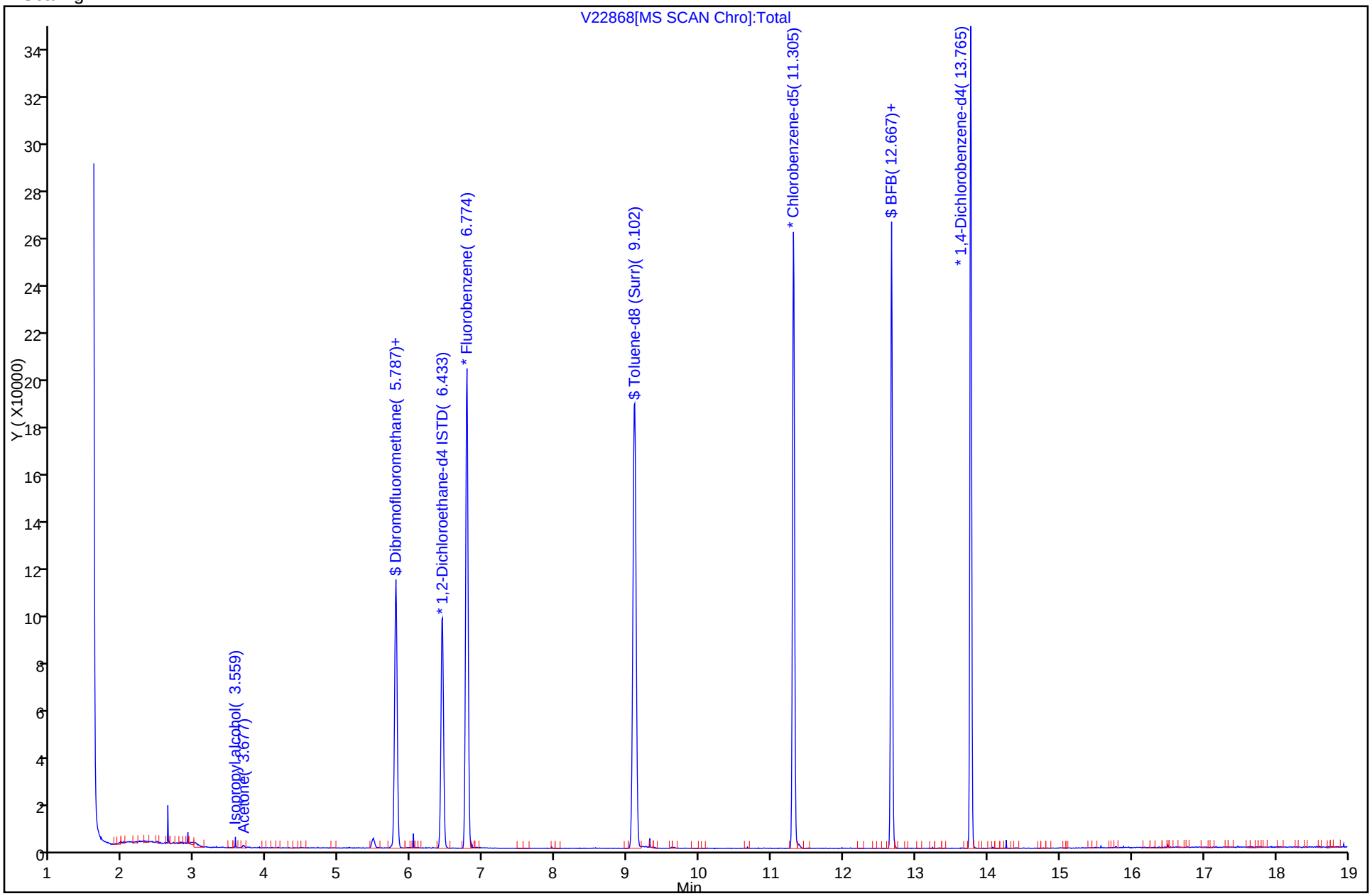
Injection Date: 06-Dec-2011 15:45:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84387 Lims Sample ID: 6

Operator ID: tph

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 360-84387/3

Matrix: Water Lab File ID: V22865.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2011 14:39

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.: 84387 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	22.5		1.0	0.20
71-55-6	1,1,1-Trichloroethane	24.8		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	17.4		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.9		1.0	0.20
79-00-5	1,1,2-Trichloroethane	21.2		1.0	0.20
75-34-3	1,1-Dichloroethane	21.9		1.0	0.20
75-35-4	1,1-Dichloroethene	23.8		1.0	0.20
563-58-6	1,1-Dichloropropene	23.0		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	21.1		1.0	0.20
96-18-4	1,2,3-Trichloropropane	19.3		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	22.5		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	21.6		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		5.0	0.20
95-50-1	1,2-Dichlorobenzene	20.7		1.0	0.20
107-06-2	1,2-Dichloroethane	22.0		1.0	0.20
78-87-5	1,2-Dichloropropane	20.5		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	21.5		1.0	0.20
541-73-1	1,3-Dichlorobenzene	22.4		1.0	0.20
142-28-9	1,3-Dichloropropane	21.0		1.0	0.20
106-46-7	1,4-Dichlorobenzene	21.2		1.0	0.20
594-20-7	2,2-Dichloropropane	24.6		1.0	0.20
78-93-3	2-Butanone (MEK)	192		10	1.3
95-49-8	2-Chlorotoluene	20.4		1.0	0.20
591-78-6	2-Hexanone	190		10	2.0
106-43-4	4-Chlorotoluene	20.4		1.0	0.20
99-87-6	4-Isopropyltoluene	23.2		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	188		10	2.0
67-64-1	Acetone	196		50	20
107-13-1	Acrylonitrile	19.3		0.50	0.20
71-43-2	Benzene	22.0		1.0	0.20
108-86-1	Bromobenzene	19.0		1.0	0.20
75-25-2	Bromoform	21.2		1.0	0.20
74-83-9	Bromomethane	22.1		2.0	0.20
75-15-0	Carbon disulfide	29.6		10	0.20
56-23-5	Carbon tetrachloride	28.0		1.0	0.20
108-90-7	Chlorobenzene	21.6		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 360-84387/3

Matrix: Water Lab File ID: V22865.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2011 14:39

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.: 84387 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	22.8		0.50	0.20
75-00-3	Chloroethane	19.4		2.0	0.21
67-66-3	Chloroform	21.7		1.0	0.20
74-87-3	Chloromethane	18.0		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	21.0		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	22.1		0.40	0.20
74-95-3	Dibromomethane	22.4		1.0	0.20
75-27-4	Dichlorobromomethane	22.7		0.50	0.20
75-71-8	Dichlorodifluoromethane	24.9		1.0	0.20
100-41-4	Ethylbenzene	20.5		1.0	0.20
106-93-4	Ethylene Dibromide	22.2		1.0	0.20
87-68-3	Hexachlorobutadiene	23.6		0.40	0.20
98-82-8	Isopropylbenzene	21.9		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	42.1		2.0	0.50
1634-04-4	Methyl tert-butyl ether	22.4		1.0	0.20
75-09-2	Methylene Chloride	23.0		2.0	1.0
104-51-8	n-Butylbenzene	20.8		1.0	0.20
103-65-1	N-Propylbenzene	21.1		1.0	0.20
91-20-3	Naphthalene	18.4		5.0	2.0
95-47-6	o-Xylene	21.0		1.0	0.20
135-98-8	sec-Butylbenzene	21.6		1.0	0.20
100-42-5	Styrene	21.2		1.0	0.20
98-06-6	tert-Butylbenzene	22.0		1.0	0.20
127-18-4	Tetrachloroethene	25.6		1.0	0.20
109-99-9	Tetrahydrofuran	191		10	0.44
108-88-3	Toluene	22.2		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	21.7		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	22.9		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	17.9		5.0	0.20
79-01-6	Trichloroethene	22.8		1.0	0.33
75-69-4	Trichlorofluoromethane	23.5		1.0	0.20
75-01-4	Vinyl chloride	20.6		0.50	0.20
1330-20-7	Xylenes, Total	63.1		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 360-84387/3

Matrix: Water Lab File ID: V22865.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2011 14:39

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.: 84387 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane	106		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22865.D
Lims ID: LCS Client ID:
Inject. Date: 06-Dec-2011 14:39:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 84387 Lims Sample ID: 3
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\WES2UNPR.m
Last Update: 08-Dec-2011 13:17:35 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 08-Dec-2011 13:17:35

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	85	51877	24.9	
2 Chloromethane	1	50	1.879	1.879	0.0	88	51847	18.0	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	50152	0	
3 Vinyl chloride	1	62	1.962	1.962	0.0	84	48765	20.6	
5 Bromomethane	1	94	2.261	2.268	-0.007	89	34405	22.1	
6 Chloroethane	1	64	2.393	2.392	0.001	94	24648	19.4	
7 Trichlorofluoromethane	1	101	2.517	2.517	0.0	85	77141	23.5	
8 Dichlorofluoromethane	1	67	2.566	2.573	-0.007	70	81185	0	
9 Ethyl ether	1	59	2.802	2.802	0.0	91	45764	0	
10 Ethanol	1	45	2.934	2.934	0.0	96	30554	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	73	50888	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	88	57276	23.8	
13 Carbon disulfide	1	76	3.059	3.059	0.0	98	204442	29.6	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.073	3.080	-0.007	27	38387	21.9	
15 Iodomethane	1	142	3.184	3.177	0.007	97	101205	0	
16 Acrolein	1	56	3.385	3.385	0.0	94	361711	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	66	34930	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	91	264891	0	
19 Methylene Chloride	1	84	3.670	3.670	0.0	78	72271	23.0	
20 Acetone	1	43	3.725	3.725	0.0	100	222443	196.3	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	39	91444	21.7	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	574887	186.0	
23 Hexane	1	57	3.962	3.955	0.007	58	120932	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	62	184833	22.4	
25 2-Methyl-2-propanol	1	59	4.086	4.086	0.0	23	99432	0	
26 Acetonitrile	1	40	4.288	4.281	0.007	98	42404	0	
27 Isopropyl ether	1	45	4.441	4.441	0.0	93	171003	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	84	115892	21.9	
29 Acrylonitrile	1	53	4.663	4.663	0.0	64	28089	19.3	
30 Halothane	1	117	4.663	4.663	0.0	83	59795	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		42.7	
33 Tert-butyl ethyl ether	1	59	4.885	4.878	0.007	35	178089	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	1309299	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	67	88857	21.0	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	87	66321	24.6	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	84	53869	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	81	90814	0	
38 Chloroform	1	83	5.565	5.565	0.0	65	121003	21.7	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	806717	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	26	89105	28.0	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	74	297452	190.7	
42 sec-Butyl Alcohol	1	59	5.767	5.767	0.0	70	90713	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	73	90543	21.1	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	46	97136	24.8	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	99	376691	191.5	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	96	90572	23.0	
47 n-Heptane	1	43	6.232	6.225	0.007	90	78025	0	
48 Benzene	1	78	6.266	6.266	0.0	95	258452	22.0	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	98	174659	0	
50 Propionitrile	1	54	6.419	6.421	-0.002	4	354	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	17114	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	78	71057	22.0	
* 53 Fluorobenzene	1	96	6.774	6.773	0.001	99	247263	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.815	6.815	0.0	47	33546	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	99	967738	0	
57 Methylcyclohexane	1	83	6.961	6.961	0.0	82	87635	23.7	
56 Trichloroethene	1	95	6.975	6.975	0.0	90	61343	22.8	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	66	88790	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	85	40698	22.4	
S 61 1,3-Dichloropropene, Total	1	1				0		45.0	
60 1,2-Dichloropropane	1	63	7.656	7.663	-0.007	65	53166	20.5	
62 Dichlorobromomethane	1	83	7.747	7.753	-0.006	85	70952	22.7	
63 Methyl methacrylate	1	69	8.004	8.004	0.0	86	40499	0	
64 1,4-Dioxane (SIM)	2	88	8.050	8.050	0.0	0	7588	0	M
65 1,4-Dioxane	1	88	8.045	8.045	-0.014	77	6947	0	M
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	753152	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	90	374546	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	61	80928	22.1	
$ 69 Toluene-d8 (Surr)	1	98	9.095	9.102	-0.007	93	251388	20.3	
70 Toluene	1	92	9.185	9.192	-0.007	92	125313	22.2	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	98	1064623	0	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	60366	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	72	68623	25.6	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.832	9.832	0.0	96	587093	188.3	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	72	76562	22.9	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	97	1117855	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.110	0.0	74	46028	21.2	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	73	71280	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	86	61722	22.8	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	88	75446	21.0	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	97	58223	22.2	
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	827638	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43	10.992	10.992	0.0	95	440580	189.8	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	81	190838	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	96	152479	21.6	
87 Ethylbenzene	1	91	11.375	11.374	0.001	51	241987	20.5	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	88	52546	22.5	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	386472	42.1	
S 71 Xylenes, Total	1	1				0		63.1	
90 o-Xylene	1	91	12.035	12.035	0.0	96	197020	21.0	
91 Styrene	1	104	12.097	12.097	0.0	76	158300	21.2	
92 Bromoform	1	173	12.104	12.104	0.0	48	51978	21.2	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	246849	21.9	
$ 94 BFB	1	95	12.667	12.667	0.0	97	93143	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	93143	19.5	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.744	0.007	0	18871	0	
97 Bromobenzene	1	77	12.765	12.765	0.0	87	100740	19.0	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	74	292357	21.1	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	85	77152	17.4	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	96	169169	20.4	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	53	20179	19.3	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	70	207877	21.5	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	6	17805	17.9	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	92	179656	20.4	
105 tert-Butylbenzene	1	119	13.328	13.327	0.001	86	175753	22.0	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	95	210806	21.6	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	261039	21.6	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	96	222676	23.2	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	95	132717	22.4	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	108714	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	90	135883	21.2	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	94	208100	20.8	
113 Hexachloroethane	1	117	14.148	14.148	0.0	84	33882	0	
114 1,2-Dichlorobenzene	1	146	14.168	14.168	0.0	98	121058	20.7	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.891	0.007	88	18140	19.9	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	94	93186	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	76	4853	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	80	42746	23.6	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	92	83568	22.5	
120 Naphthalene	1	128	15.774	15.774	0.0	96	208336	18.4	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	94	73699	21.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Dec-2011 13:17:35 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22865.D

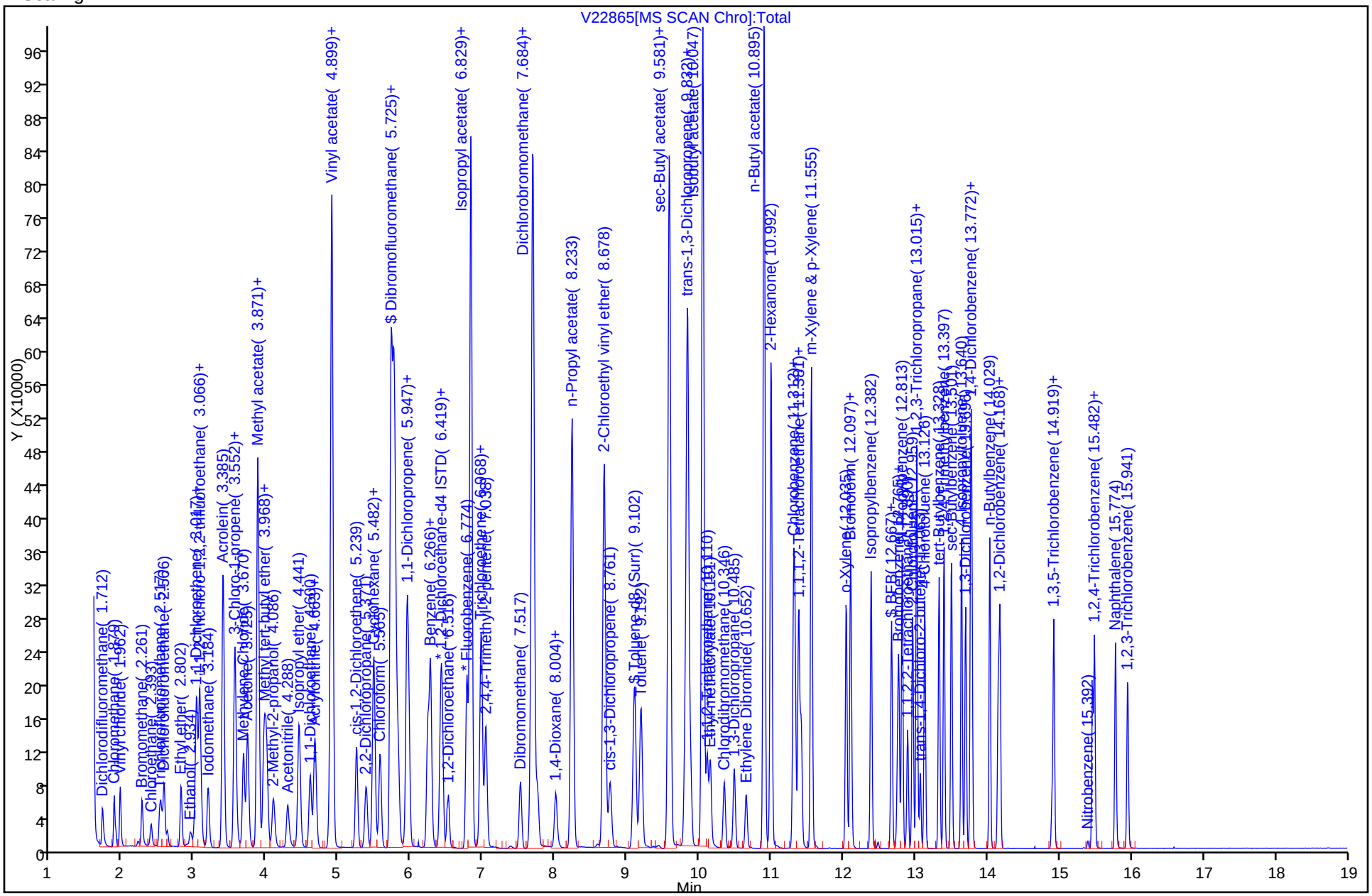
Injection Date: 06-Dec-2011 14:39:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84387 Lims Sample ID: 3

Operator ID: tph

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 360-84387/4

Matrix: Water Lab File ID: V22866.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2011 15:01

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.: 84387 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	21.8		1.0	0.20
71-55-6	1,1,1-Trichloroethane	22.8		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	17.0		0.50	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19.7		1.0	0.20
79-00-5	1,1,2-Trichloroethane	20.8		1.0	0.20
75-34-3	1,1-Dichloroethane	20.6		1.0	0.20
75-35-4	1,1-Dichloroethene	21.6		1.0	0.20
563-58-6	1,1-Dichloropropene	20.9		1.0	0.20
87-61-6	1,2,3-Trichlorobenzene	20.6		1.0	0.20
96-18-4	1,2,3-Trichloropropane	19.5		1.0	0.20
120-82-1	1,2,4-Trichlorobenzene	21.6		1.0	0.20
95-63-6	1,2,4-Trimethylbenzene	20.7		1.0	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		5.0	0.20
95-50-1	1,2-Dichlorobenzene	20.2		1.0	0.20
107-06-2	1,2-Dichloroethane	21.5		1.0	0.20
78-87-5	1,2-Dichloropropane	19.6		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	20.4		1.0	0.20
541-73-1	1,3-Dichlorobenzene	21.5		1.0	0.20
142-28-9	1,3-Dichloropropane	20.6		1.0	0.20
106-46-7	1,4-Dichlorobenzene	20.3		1.0	0.20
594-20-7	2,2-Dichloropropane	22.6		1.0	0.20
78-93-3	2-Butanone (MEK)	190		10	1.3
95-49-8	2-Chlorotoluene	19.5		1.0	0.20
591-78-6	2-Hexanone	190		10	2.0
106-43-4	4-Chlorotoluene	19.6		1.0	0.20
99-87-6	4-Isopropyltoluene	21.7		1.0	0.20
108-10-1	4-Methyl-2-pentanone (MIBK)	186		10	2.0
67-64-1	Acetone	196		50	20
107-13-1	Acrylonitrile	19.6		0.50	0.20
71-43-2	Benzene	20.7		1.0	0.20
108-86-1	Bromobenzene	18.4		1.0	0.20
75-25-2	Bromoform	20.9		1.0	0.20
74-83-9	Bromomethane	19.9		2.0	0.20
75-15-0	Carbon disulfide	27.5		10	0.20
56-23-5	Carbon tetrachloride	25.8		1.0	0.20
108-90-7	Chlorobenzene	20.8		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 360-84387/4

Matrix: Water Lab File ID: V22866.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2011 15:01

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.: 84387 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	23.0		0.50	0.20
75-00-3	Chloroethane	17.8		2.0	0.21
67-66-3	Chloroform	20.6		1.0	0.20
74-87-3	Chloromethane	16.5		2.0	0.20
156-59-2	cis-1,2-Dichloroethene	19.7		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	21.4		0.40	0.20
74-95-3	Dibromomethane	21.8		1.0	0.20
75-27-4	Dichlorobromomethane	21.9		0.50	0.20
75-71-8	Dichlorodifluoromethane	22.3		1.0	0.20
100-41-4	Ethylbenzene	19.6		1.0	0.20
106-93-4	Ethylene Dibromide	22.1		1.0	0.20
87-68-3	Hexachlorobutadiene	22.2		0.40	0.20
98-82-8	Isopropylbenzene	20.3		1.0	0.20
179601-23-1	m-Xylene & p-Xylene	40.0		2.0	0.50
1634-04-4	Methyl tert-butyl ether	22.0		1.0	0.20
75-09-2	Methylene Chloride	22.0		2.0	1.0
104-51-8	n-Butylbenzene	19.4		1.0	0.20
103-65-1	N-Propylbenzene	20.0		1.0	0.20
91-20-3	Naphthalene	18.0		5.0	2.0
95-47-6	o-Xylene	20.0		1.0	0.20
135-98-8	sec-Butylbenzene	20.0		1.0	0.20
100-42-5	Styrene	20.3		1.0	0.20
98-06-6	tert-Butylbenzene	20.6		1.0	0.20
127-18-4	Tetrachloroethene	23.5		1.0	0.20
109-99-9	Tetrahydrofuran	190		10	0.44
108-88-3	Toluene	20.9		1.0	0.20
156-60-5	trans-1,2-Dichloroethene	20.0		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	22.2		0.40	0.20
110-57-6	trans-1,4-Dichloro-2-butene	17.3		5.0	0.20
79-01-6	Trichloroethene	21.4		1.0	0.33
75-69-4	Trichlorofluoromethane	20.9		1.0	0.20
75-01-4	Vinyl chloride	18.1		0.50	0.20
1330-20-7	Xylenes, Total	60.0		1.0	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 360-84387/4

Matrix: Water Lab File ID: V22866.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2011 15:01

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.: 84387 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	96		70-130
1868-53-7	Dibromofluoromethane	105		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22866.D
Lims ID: LCSD Client ID:
Inject. Date: 06-Dec-2011 15:01:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD
Misc. Info.:
Operator: tph Instrument ID: Agilent#2 GC/MS
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 84387 Lims Sample ID: 4
Detector 1 : MS SCAN
Detector 2 : MS SIM

Method: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\WES2UNPR.m
Last Update: 08-Dec-2011 13:17:35 Calib Date: 29-Nov-2011 22:31:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\AGILGCMS2.i\20111129-7290.b\V22686.D
Limit Group: VMS - 8260B VOA Calibration RCP
Integrator: RTE ID Type: RT Order ID
Process Host: CORPRDS01

First Level Reviewer: hartmannt Date: 08-Dec-2011 13:19:58

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
1 Dichlorodifluoromethane	1	85	1.712	1.712	0.0	86	47806	22.3	
2 Chloromethane	1	50	1.879	1.879	0.0	88	48672	16.5	
4 Vinyl chloride (SIM)	2	62	1.960	1.960	0.0	0	45865	0	
3 Vinyl chloride	1	62	1.962	1.962	0.0	83	44209	18.1	
5 Bromomethane	1	94	2.261	2.268	-0.007	90	31868	19.9	
6 Chloroethane	1	64	2.392	2.392	0.0	89	23223	17.8	
7 Trichlorofluoromethane	1	101	2.517	2.517	0.0	95	70825	20.9	
8 Dichlorofluoromethane	1	67	2.573	2.573	0.0	72	74448	0	
9 Ethyl ether	1	59	2.809	2.802	0.007	89	45331	0	
10 Ethanol	1	45	2.941	2.934	0.007	95	34252	0	
11 1,2-Dichloro-1,1,2-trifluoroethane	1	117	3.010	3.010	0.0	75	47732	0	
12 1,1-Dichloroethene	1	96	3.024	3.024	0.0	88	53599	21.6	
13 Carbon disulfide	1	76	3.059	3.059	0.0	97	196073	27.5	
14 1,1,2-Trichloro-1,2,2-trifluoroethane	1	151	3.080	3.080	0.0	37	35557	19.7	
15 Iodomethane	1	142	3.184	3.177	0.007	98	96826	0	
16 Acrolein	1	56	3.392	3.385	0.007	95	365952	0	
17 3-Chloro-1-propene	1	76	3.552	3.552	0.0	64	33520	0	
18 Isopropyl alcohol	1	45	3.552	3.552	0.0	91	273902	0	
19 Methylene Chloride	1	84	3.677	3.670	0.007	78	71042	22.0	
20 Acetone	1	43	3.725	3.725	0.0	100	229350	195.5	
21 trans-1,2-Dichloroethene	1	61	3.864	3.864	0.0	39	86868	20.0	
22 Methyl acetate	1	43	3.871	3.871	0.0	98	589536	185.3	
23 Hexane	1	57	3.961	3.955	0.006	57	116321	0	
24 Methyl tert-butyl ether	1	73	3.989	3.989	0.0	88	186840	22.0	
25 2-Methyl-2-propanol	1	59	4.086	4.086	0.0	14	103056	0	
26 Acetonitrile	1	40	4.288	4.281	0.007	99	45221	0	
27 Isopropyl ether	1	45	4.441	4.441	-0.001	93	167628	0	
28 1,1-Dichloroethane	1	63	4.600	4.600	0.0	85	112059	20.6	
29 Acrylonitrile	1	53	4.663	4.663	0.0	66	29365	19.6	
30 Halothane	1	117	4.663	4.663	0.0	85	57880	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 31 1,2-Dichloroethene, Total	1	1				0		39.7	
33 Tert-butyl ethyl ether	1	59	4.885	4.878	0.007	36	178356	0	
32 Vinyl acetate	1	43	4.899	4.899	0.0	97	1320418	0	
34 cis-1,2-Dichloroethene	1	61	5.239	5.239	0.0	65	85549	19.7	
35 2,2-Dichloropropane	1	77	5.371	5.371	0.0	88	62687	22.6	
36 Chlorobromomethane	1	130	5.475	5.475	0.0	86	54256	0	
37 Cyclohexane	1	56	5.482	5.482	0.0	86	85619	0	
38 Chloroform	1	83	5.565	5.565	0.0	64	118442	20.6	
39 Ethyl acetate	1	43	5.718	5.718	0.0	99	826217	0	
41 Carbon tetrachloride	1	117	5.732	5.732	0.0	23	84559	25.8	
40 Tetrahydrofuran	1	42	5.753	5.753	0.0	72	304440	189.6	
42 sec-Butyl Alcohol	1	59	5.767	5.767	-0.001	69	93598	0	
$ 43 Dibromofluoromethane	1	113	5.787	5.787	0.0	68	92368	20.9	
44 1,1,1-Trichloroethane	1	97	5.815	5.815	0.0	30	92092	22.8	
45 2-Butanone (MEK)	1	43	5.940	5.940	0.0	99	386183	189.6	
46 1,1-Dichloropropene	1	75	5.968	5.968	0.0	93	85055	20.9	
47 n-Heptane	1	43	6.232	6.225	0.007	92	73588	0	
48 Benzene	1	78	6.266	6.266	0.0	95	250470	20.7	
49 Tert-amyl methyl ether	1	73	6.412	6.412	0.0	98	177145	0	
50 Propionitrile	1	54	6.419	6.421	-0.002	24	569	0	
* 51 1,2-Dichloroethane-d4 ISTD	1	102	6.426	6.433	-0.007	0	17717	20.0	
52 1,2-Dichloroethane	1	62	6.516	6.516	0.0	72	71689	21.5	
* 53 Fluorobenzene	1	96	6.773	6.773	0.0	99	254525	20.0	
55 2,4,4-Trimethyl-1-pentene	1	55	6.822	6.815	0.007	44	31988	0	
54 Isopropyl acetate	1	43	6.829	6.829	0.0	98	983559	0	
57 Methylcyclohexane	1	83	6.961	6.961	0.0	82	82155	21.6	
56 Trichloroethene	1	95	6.975	6.975	0.0	93	59306	21.4	
58 2,4,4-Trimethyl-2-pentene	1	55	7.038	7.038	0.0	65	82300	0	
59 Dibromomethane	1	93	7.517	7.517	0.0	83	40810	21.8	
S 61 1,3-Dichloropropene, Total	1	1				0		43.6	
60 1,2-Dichloropropane	1	63	7.663	7.663	0.0	58	52297	19.6	
62 Dichlorobromomethane	1	83	7.746	7.753	-0.007	79	70453	21.9	
63 Methyl methacrylate	1	69	8.004	8.004	0.0	85	41541	0	
64 1,4-Dioxane (SIM)	2	88	8.057	8.057	0.007	0	7860	0	M
65 1,4-Dioxane	1	88	8.052	8.052	-0.007	77	7639	0	M
66 n-Propyl acetate	1	43	8.233	8.233	0.0	98	777954	0	
67 2-Chloroethyl vinyl ether	1	63	8.678	8.678	0.0	90	381959	0	
68 cis-1,3-Dichloropropene	1	75	8.761	8.761	0.0	59	80585	21.4	
$ 69 Toluene-d8 (Surr)	1	98	9.102	9.102	0.0	93	259995	20.4	
70 Toluene	1	92	9.192	9.192	0.0	92	121744	20.9	
73 sec-Butyl acetate	1	43	9.581	9.581	0.0	98	1089994	0	
72 2-Nitropropane	1	39	9.581	9.581	0.0	65	60753	0	
74 Tetrachloroethene	1	166	9.804	9.804	0.0	75	64906	23.5	
75 4-Methyl-2-pentanone (MIBK)	1	43	9.838	9.832	0.006	96	600402	186.0	
76 trans-1,3-Dichloropropene	1	75	9.880	9.880	0.0	73	76561	22.2	
77 Isobutyl acetate	1	43	10.047	10.047	0.0	96	1136023	0	
78 1,1,2-Trichloroethane	1	83	10.110	10.110	0.0	75	46399	20.8	
79 Ethyl methacrylate	1	69	10.151	10.151	0.0	73	71983	0	
80 Chlorodibromomethane	1	129	10.346	10.346	0.0	89	63852	23.0	
81 1,3-Dichloropropane	1	76	10.485	10.485	0.0	89	76265	20.6	
82 Ethylene Dibromide	1	107	10.652	10.652	0.0	97	59430	22.1	
83 n-Butyl acetate	1	43	10.895	10.895	0.0	98	838300	0	

Compound	Det	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 2-Hexanone	1	43	10.992	10.992	0.0	95	457355	190.3	
* 85 Chlorobenzene-d5	1	117	11.305	11.305	0.0	85	194418	20.0	
86 Chlorobenzene	1	112	11.326	11.326	0.0	95	149370	20.8	
87 Ethylbenzene	1	91	11.381	11.374	0.007	51	235449	19.6	
88 1,1,1,2-Tetrachloroethane	1	131	11.409	11.409	0.0	95	51874	21.8	
89 m-Xylene & p-Xylene	1	91	11.555	11.555	0.0	100	373546	40.0	
S 71 Xylenes, Total	1	1				0		60.0	
90 o-Xylene	1	91	12.035	12.035	0.0	96	192017	20.0	
91 Styrene	1	104	12.097	12.097	0.0	76	153999	20.3	
92 Bromoform	1	173	12.104	12.104	0.0	49	52459	20.9	
93 Isopropylbenzene	1	105	12.382	12.382	0.0	95	232692	20.3	
$ 94 BFB	1	95	12.667	12.667	0.0	97	93671	0	
$ 95 4-Bromofluorobenzene	1	95	12.667	12.667	0.0	97	93671	19.2	
96 cis-1,4-Dichloro-2-butene	1	88	12.751	12.744	0.007	0	18422	0	
97 Bromobenzene	1	77	12.765	12.765	-0.001	86	99503	18.4	
98 N-Propylbenzene	1	91	12.813	12.813	0.0	74	281650	20.0	
99 1,1,2,2-Tetrachloroethane	1	83	12.890	12.890	0.0	95	76978	17.0	
100 2-Chlorotoluene	1	91	12.959	12.959	0.0	96	165311	19.5	
102 1,2,3-Trichloropropane	1	110	13.015	13.015	0.0	44	20801	19.5	
101 1,3,5-Trimethylbenzene	1	105	13.015	13.015	0.0	67	200070	20.4	
103 trans-1,4-Dichloro-2-butene	1	53	13.063	13.063	0.0	10	17604	17.3	
104 4-Chlorotoluene	1	91	13.126	13.126	0.0	92	176080	19.6	
105 tert-Butylbenzene	1	119	13.327	13.327	0.0	87	167332	20.6	
106 1,2,4-Trimethylbenzene	1	105	13.397	13.397	0.0	95	205775	20.7	
107 sec-Butylbenzene	1	105	13.501	13.501	0.0	94	246781	20.0	
108 4-Isopropyltoluene	1	119	13.640	13.640	0.0	97	212898	21.7	
109 1,3-Dichlorobenzene	1	146	13.696	13.696	0.0	95	129684	21.5	
* 110 1,4-Dichlorobenzene-d4	1	152	13.765	13.765	0.0	93	111119	20.0	
111 1,4-Dichlorobenzene	1	146	13.779	13.779	0.0	89	132981	20.3	
112 n-Butylbenzene	1	91	14.029	14.029	0.0	93	198187	19.4	
113 Hexachloroethane	1	117	14.148	14.148	0.0	82	31503	0	
114 1,2-Dichlorobenzene	1	146	14.168	14.168	0.0	98	120277	20.2	
115 1,2-Dibromo-3-Chloropropane	1	157	14.898	14.891	0.007	86	18625	20.0	
116 1,3,5-Trichlorobenzene	1	180	14.919	14.919	0.0	96	89741	0	
117 Nitrobenzene	1	77	15.392	15.392	0.0	77	4674	0	
118 Hexachlorobutadiene	1	225	15.454	15.454	0.0	83	41067	22.2	
119 1,2,4-Trichlorobenzene	1	180	15.482	15.482	0.0	92	82308	21.6	
120 Naphthalene	1	128	15.774	15.774	0.0	96	208909	18.0	
121 1,2,3-Trichlorobenzene	1	180	15.948	15.948	0.0	93	73685	20.6	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Dec-2011 13:19:58 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\AGILGCMS2.i\20111206-7350.b\V22866.D

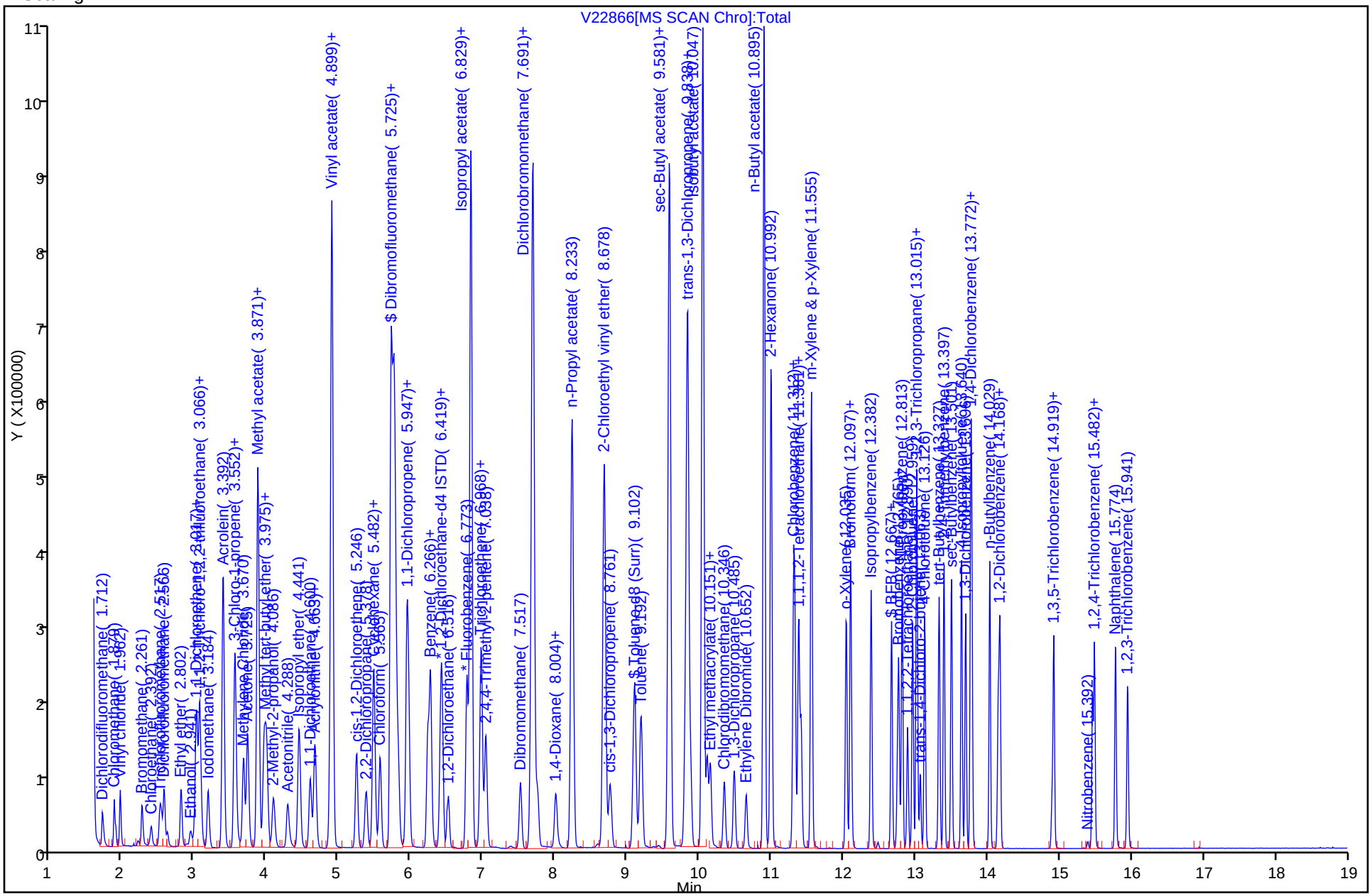
Injection Date: 06-Dec-2011 15:01:30 Limit Group: VMS - 8260B VOA Calibration RCP

Client ID: Instrument ID: Agilent#2 GC/MS

Lims Batch ID: 84387 Lims Sample ID: 4

Operator ID: tph

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Instrument ID: Agilent#2 GC/MS Start Date: 11/29/2011 19:15

Analysis Batch Number: 84017 End Date: 11/29/2011 22:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-84017/1		11/29/2011 19:15	1	V22677.D	RTX-VMS 0.25(um)
STD03 360-84017/2 IC		11/29/2011 19:37	1	V22678.D	RTX-VMS 0.25(um)
STD05 360-84017/3 IC		11/29/2011 19:59	1	V22679.D	RTX-VMS 0.25(um)
STD1 360-84017/4 IC		11/29/2011 20:21	1	V22680.D	RTX-VMS 0.25(um)
STD5 360-84017/5 IC		11/29/2011 20:42	1	V22681.D	RTX-VMS 0.25(um)
STD10 360-84017/6 IC		11/29/2011 21:04	1	V22682.D	RTX-VMS 0.25(um)
STD20 360-84017/7 ICIS		11/29/2011 21:26	1	V22683.D	RTX-VMS 0.25(um)
STD40 360-84017/8 IC		11/29/2011 21:48	1	V22684.D	RTX-VMS 0.25(um)
STD80 360-84017/9 IC		11/29/2011 22:10	1	V22685.D	RTX-VMS 0.25(um)
STD160 360-84017/10 IC		11/29/2011 22:31	1	V22686.D	RTX-VMS 0.25(um)
ICV 360-84017/11		11/29/2011 22:53	1		RTX-VMS 0.25(um)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Instrument ID: Agilent#2 GC/MS Start Date: 12/06/2011 13:56

Analysis Batch Number: 84387 End Date: 12/06/2011 22:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 360-84387/1		12/06/2011 13:56	1	V22863.D	RTX-VMS 0.25(um)
CCVIS 360-84387/2		12/06/2011 14:18	1	V22864.D	RTX-VMS 0.25(um)
LCS 360-84387/3		12/06/2011 14:39	1	V22865.D	RTX-VMS 0.25(um)
LCSD 360-84387/4		12/06/2011 15:01	1	V22866.D	RTX-VMS 0.25(um)
MB 360-84387/6		12/06/2011 15:45	1	V22868.D	RTX-VMS 0.25(um)
ZZZZZ		12/06/2011 15:45	1		RTX-VMS 0.25(um)
ZZZZZ		12/06/2011 16:23	5		RTX-VMS 0.25(um)
360-37913-1	BC-RB-120111	12/06/2011 21:29	1	V22883.D	RTX-VMS 0.25(um)
ZZZZZ		12/06/2011 21:29	1		RTX-VMS 0.25(um)
360-37913-2	BC-TB-GW-120111A	12/06/2011 21:51	1	V22884.D	RTX-VMS 0.25(um)
ZZZZZ		12/06/2011 21:51	1		RTX-VMS 0.25(um)
360-37913-3	BC-GW-MW303-120111	12/06/2011 22:12	10	V22885.D	RTX-VMS 0.25(um)
ZZZZZ		12/06/2011 22:12	10		RTX-VMS 0.25(um)

Method MAEPH Low Level

Massachusetts - Extractable Petroleum Hydrocarbons (GC) by Method MAEPH Low Level

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-5 ID: 0.25 (mm) GC Column (2): RTX-5 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	FBP1 #	2BN1 #	OTPH1 #	1COD2 #
BC-RB-120111	360-37913-1	83	84	82	80
BC-GW-MW303-120111	360-37913-3	80	82	80	83
	MB 360-84516/1-A	74	74	73	78
	LCS 360-84516/2-A	76	76	91	83
	LCSD 360-84516/3-A	75	75	83	80

	QC LIMITS
FBP = 2-Fluorobiphenyl	40-140
2BN = 2-Bromonaphthalene	40-140
OTPH = o-Terphenyl	40-140
1COD = 1-Chlorooctadecane	40-140

Column to be used to flag recovery values

FORM II MA-EPH-LL

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Matrix: Water Level: Low Lab File ID: R402061.D

Lab ID: LCS 360-84516/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	100	80.4	80	40-140	
Acenaphthylene	100	81.4	81	40-140	
Anthracene	100	97.8	98	40-140	
Benzo[a]anthracene	100	106	106	40-140	
Benzo[a]pyrene	100	105	105	40-140	
Benzo[b]fluoranthene	100	117	117	40-140	
Benzo[g,h,i]perylene	100	118	118	40-140	
Benzo[k]fluoranthene	100	105	105	40-140	
Chrysene	100	103	103	40-140	
Dibenz(a,h)anthracene	100	110	110	40-140	
Fluoranthene	100	97.0	97	40-140	
Fluorene	100	89.0	89	40-140	
Indeno[1,2,3-cd]pyrene	100	124	124	40-140	
2-Methylnaphthalene	100	77.0	77	40-140	
Naphthalene	100	69.8	70	40-140	
Phenanthrene	100	93.2	93	40-140	
Pyrene	100	93.0	93	40-140	
C11-C22 Aromatics	1700	1670	98	40-140	
C19-C36 Aliphatics	800	751	94	40-140	
C9-C18 Aliphatics	600	317	53	40-140	
C19	100	88.0	88	40-140	
Dodecane	100	53.8	54	40-140	
Hexadecane	100	81.0	81	40-140	
icosane	100	82.0	82	40-140	
n-Decane	100	38.2	38	40-140	*
n-Docosane	100	84.0	84	40-140	
n-Hexacosane	100	92.2	92	40-140	
n-Hexatriacontane	100	109	109	40-140	
n-Nonane	100	33.4	33	30-140	
n-Octacosane	100	82.4	82	40-140	
n-Octadecane	100	85.6	86	40-140	
n-Tetracosane	100	84.0	84	40-140	
n-Tetradecane	100	68.6	69	40-140	
Triacontane	100	90.2	90	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH-LL

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Matrix: Water Level: Low Lab File ID: R402063.D

Lab ID: LCSD 360-84516/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	100	76.2	76	5	25	40-140	
Acenaphthylene	100	76.6	77	6	25	40-140	
Anthracene	100	90.0	90	8	25	40-140	
Benzo[a]anthracene	100	96.0	96	10	25	40-140	
Benzo[a]pyrene	100	97.2	97	8	25	40-140	
Benzo[b]fluoranthene	100	103	103	13	25	40-140	
Benzo[g,h,i]perylene	100	110	110	7	25	40-140	
Benzo[k]fluoranthene	100	99.0	99	6	25	40-140	
Chrysene	100	93.8	94	10	25	40-140	
Dibenz(a,h)anthracene	100	105	105	5	25	40-140	
Fluoranthene	100	88.2	88	10	25	40-140	
Fluorene	100	83.2	83	7	25	40-140	
Indeno[1,2,3-cd]pyrene	100	111	111	10	25	40-140	
2-Methylnaphthalene	100	72.4	72	6	25	40-140	
Naphthalene	100	65.0	65	7	25	40-140	
Phenanthrene	100	84.8	85	9	25	40-140	
Pyrene	100	84.8	85	9	25	40-140	
C11-C22 Aromatics	1700	1540	91	8	25	40-140	
C19-C36 Aliphatics	800	658	82	13	25	40-140	
C9-C18 Aliphatics	600	310	52	2	25	40-140	
C19	100	86.0	86	2	25	40-140	
Dodecane	100	49.6	50	8	25	40-140	
Hexadecane	100	79.6	80	2	25	40-140	
icosane	100	80.0	80	2	25	40-140	
n-Decane	100	32.4	32	16	25	40-140	
n-Docosane	100	82.0	82	2	25	40-140	
n-Hexacosane	100	90.0	90	2	25	40-140	
n-Hexatriacontane	100	105	105	4	25	40-140	
n-Nonane	100	28.0	28	18	25	30-140	
n-Octacosane	100	80.4	80	2	25	40-140	
n-Octadecane	100	84.0	84	2	25	40-140	
n-Tetracosane	100	82.6	83	2	25	40-140	
n-Tetradecane	100	66.6	67	3	25	40-140	
Triacontane	100	88.2	88	2	25	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH-LL

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: MB 360-84516/1-A

Matrix: Water Date Extracted: 12/08/2011 13:30

Lab File ID:(1) R402095.D Lab File ID:(2) R402095.D

Date Analyzed:(1) 12/14/2011 08:02 Date Analyzed:(2) 12/14/2011 08:02

Instrument ID:(1) INST R Instrument ID:(2) INST R

GC Column:(1) RTX-5 ID: 0.25(mm) GC Column:(2) RTX-5 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 360-84516/2-A	12/13/2011 16:34	12/13/2011 16:34
	LCSD 360-84516/3-A	12/13/2011 17:08	12/13/2011 17:08
BC-RB-120111	360-37913-1	12/14/2011 11:28	12/14/2011 11:28
BC-GW-MW303-120111	360-37913-3	12/14/2011 12:02	12/14/2011 12:02

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Sample No.: CCVRT 360-84720/1 Date Analyzed: 12/13/2011 12:56

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R402051.D Heated Purge: (Y/N) N

Calibration ID: 16336

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				FBP	2BN	OTPH
				RT #	RT #	RT #
CONTINUING CALIBRATION SURROGATE				5.94	6.81	10.41
UPPER LIMIT				6.04	6.91	10.51
LOWER LIMIT				5.84	6.71	10.31
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-84720/1		12/13/2011 12:56	R402051.D	5.94	6.81	10.41
LCS 360-84516/2-A		12/13/2011 16:34	R402061.D	5.94	6.80	10.42
LCSD 360-84516/3-A		12/13/2011 17:08	R402063.D	5.94	6.80	10.42
CCV 360-84720/22		12/14/2011 01:41	R402093.D	5.94	6.80	10.41
MB 360-84516/1-A		12/14/2011 08:02	R402095.D	5.94	6.80	10.42
360-37913-1	BC-RB-120111	12/14/2011 11:28	R402107.D	5.94	6.80	10.42
360-37913-3	BC-GW-MW303-120111	12/14/2011 12:02	R402109.D	5.94	6.80	10.42
CCV 360-84720/30		12/14/2011 12:36	R402111.D	5.94	6.80	10.41

FBP = 2-Fluorobiphenyl
2BN = 2-Bromonaphthalene
OTPH = o-Terphenyl

FBP RT Limit = ± 0.1 minutes of surrogate RT
2BN RT Limit = ± 0.1 minutes of surrogate RT
OTPH RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII MA-EPH-LL

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Sample No.: CCVRT 360-84720/1 Date Analyzed: 12/13/2011 12:56

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): R402051.D Heated Purge: (Y/N) N

Calibration ID: 16337

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1COD RT #		
CONTINUING CALIBRATION SURROGATE				13.98		
UPPER LIMIT				14.08		
LOWER LIMIT				13.88		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 360-84720/1		12/13/2011 12:56	R402051.D	13.98		
LCS 360-84516/2-A		12/13/2011 16:34	R402061.D	13.99		
LCSD 360-84516/3-A		12/13/2011 17:08	R402063.D	13.99		
CCV 360-84720/22		12/14/2011 01:41	R402093.D	13.98		
MB 360-84516/1-A		12/14/2011 08:02	R402095.D	13.98		
360-37913-1	BC-RB-120111	12/14/2011 11:28	R402107.D	13.99		
360-37913-3	BC-GW-MW303-120111	12/14/2011 12:02	R402109.D	13.99		
CCV 360-84720/30		12/14/2011 12:36	R402111.D	13.98		

1COD = 1-Chlorooctadecane

1COD RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII MA-EPH-LL

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37913-1

SDG No.:

Client Sample ID: BC-RB-120111 | Lab Sample ID: 360-37913-1

Matrix: Water | Lab File ID: R402107.D

Analysis Method: MA-EPH-LL | Date Collected: 12/01/2011 15:45

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1025(mL) | Date Analyzed: 12/14/2011 11:28

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.98	0.98
208-96-8	Acenaphthylene	ND		0.29	0.29
120-12-7	Anthracene	ND		0.98	0.98
56-55-3	Benzo[a]anthracene	ND		0.29	0.29
50-32-8	Benzo[a]pyrene	ND		0.20	0.20
205-99-2	Benzo[b]fluoranthene	ND		0.29	0.29
191-24-2	Benzo[g,h,i]perylene	ND		0.49	0.49
207-08-9	Benzo[k]fluoranthene	ND		0.29	0.29
218-01-9	Chrysene	ND		0.98	0.98
53-70-3	Dibenz(a,h)anthracene	ND		0.44	0.44
206-44-0	Fluoranthene	ND		0.98	0.98
86-73-7	Fluorene	ND		0.98	0.98
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.44	0.44
91-57-6	2-Methylnaphthalene	ND		0.98	0.98
91-20-3	Naphthalene	ND		0.98	0.98
85-01-8	Phenanthrene	ND		0.20	0.20
129-00-0	Pyrene	ND		0.98	0.98
STL00058	C11-C22 Aromatics	ND		98	98

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	84		40-140
321-60-8	2-Fluorobiphenyl	83		40-140
84-15-1	o-Terphenyl	82		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402107.D		
Lims ID:	360-37913-A-1-A	Client ID:	BC-RB-120111
Inject. Date:	14-Dec-2011 11:28:28	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37913-A-1-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	84720	Lims Sample ID:	28
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 12:31:18	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 12:32:14

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.942	-0.004	5903931	41.5	
$ 2 2-Bromonaphthalene						
1	6.797	6.803	-0.006	3940829	41.9	
$ 3 o-Terphenyl						
1	10.417	10.409	0.008	14705948	82.3	
$ 4 1-Chlorooctadecane						
2	13.986	13.979	0.007	12203673	79.6	
A 40 C11-C22 Aromatics						
1	12.797	4.597 -	20.997	3279078	21.0	
A 41 C19-C36 Aliphatics						
2	18.554	11.324 -	25.784	5018240	24.1	
S 43 Total EPH						
2					45.2	
S 42 C11-C22 Aromatics (Adjusted)						
2					21.0	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

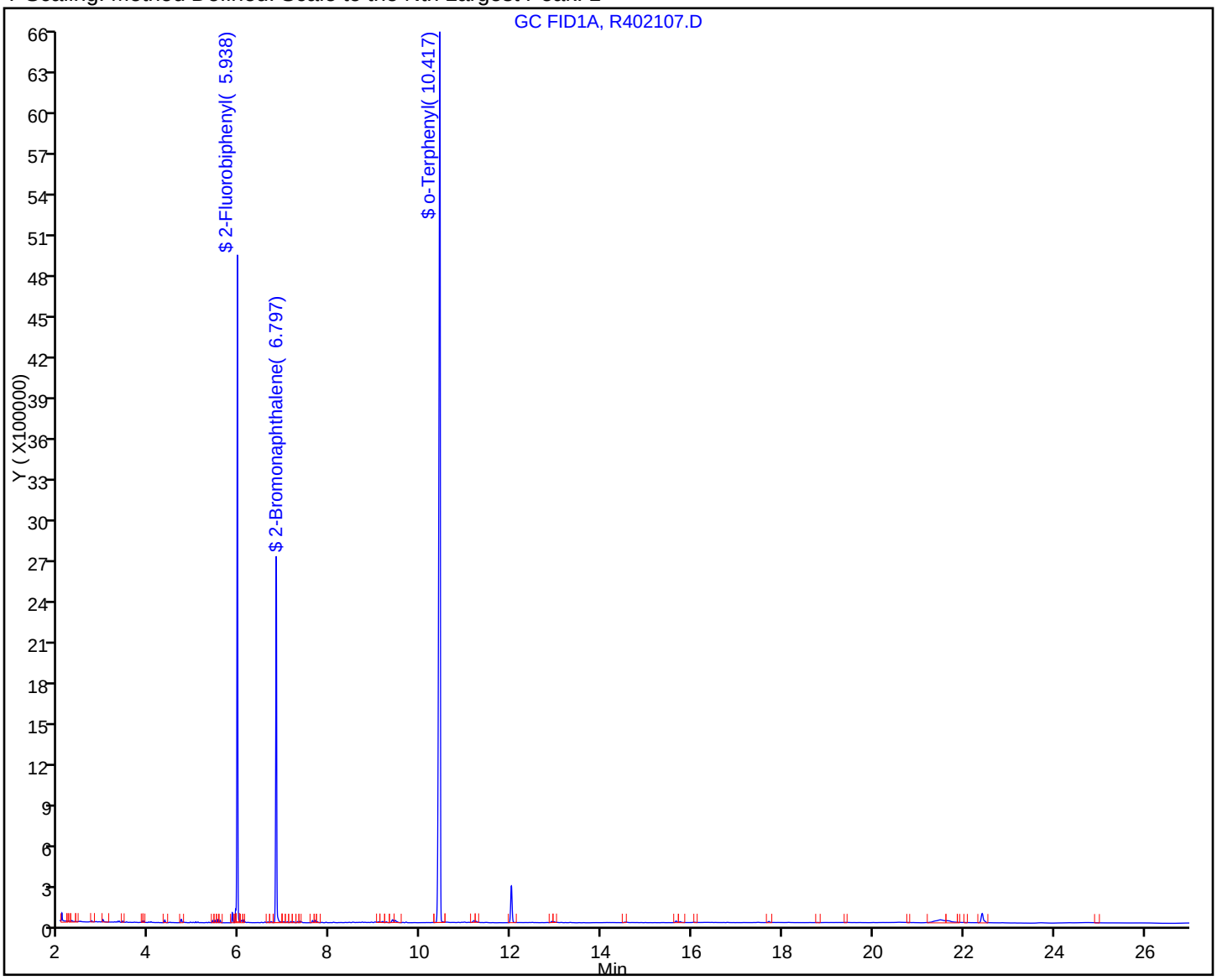
Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 12:32:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402107.D

Injection Date:	14-Dec-2011 11:28:28	Limit Group:	GC MA EPH LL
Client ID:	BC-RB-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	28
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: BC-RB-120111 Lab Sample ID: 360-37913-1

Matrix: Water Lab File ID: R402107.D

Analysis Method: MA-EPH-LL Date Collected: 12/01/2011 15:45

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1025(mL) Date Analyzed: 12/14/2011 11:28

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		98	98
STL00087	C19-C36 Aliphatics	ND		98	98
STL00306	C9-C18 Aliphatics	ND		98	98
STL00362	Total EPH	ND		98	98

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	80		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402107.D		
Lims ID:	360-37913-A-1-A	Client ID:	BC-RB-120111
Inject. Date:	14-Dec-2011 11:28:28	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37913-A-1-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	84720	Lims Sample ID:	28
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 12:31:18	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 12:32:14

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.942	-0.004	5903931	41.5	
$ 2 2-Bromonaphthalene						
1	6.797	6.803	-0.006	3940829	41.9	
$ 3 o-Terphenyl						
1	10.417	10.409	0.008	14705948	82.3	
$ 4 1-Chlorooctadecane						
2	13.986	13.979	0.007	12203673	79.6	
A 40 C11-C22 Aromatics						
1	12.797	4.597 -	20.997	3279078	21.0	
A 41 C19-C36 Aliphatics						
2	18.554	11.324 -	25.784	5018240	24.1	
S 43 Total EPH						
2					45.2	
S 42 C11-C22 Aromatics (Adjusted)						
2					21.0	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

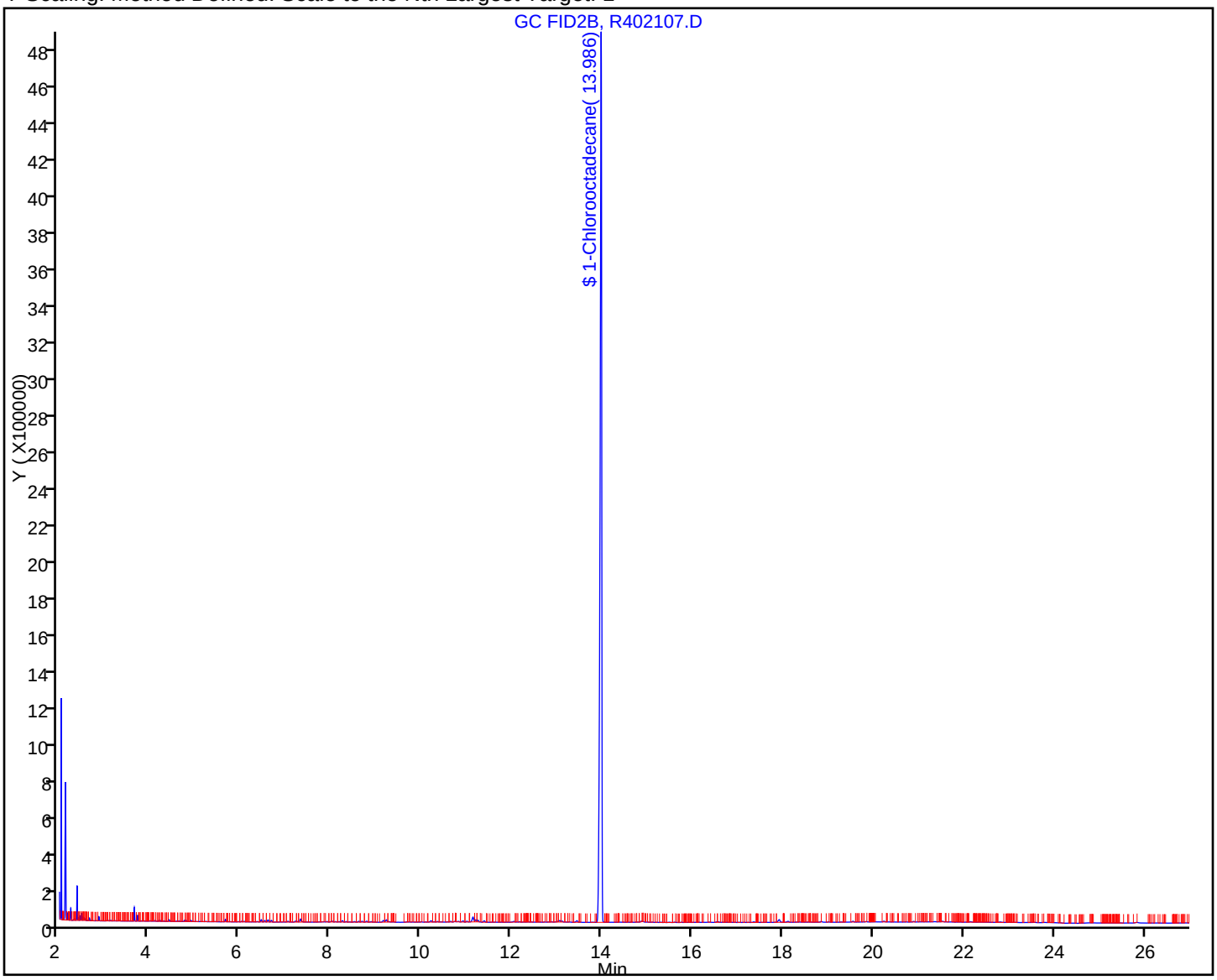
Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 12:32:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402107.D

Injection Date:	14-Dec-2011 11:28:28	Limit Group:	GC MA EPH LL
Client ID:	BC-RB-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	28
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37913-1

SDG No.:

Client Sample ID: BC-GW-MW303-120111 | Lab Sample ID: 360-37913-3

Matrix: Water | Lab File ID: R402109.D

Analysis Method: MA-EPH-LL | Date Collected: 12/01/2011 16:00

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1010(mL) | Date Analyzed: 12/14/2011 12:02

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		0.99	0.99
208-96-8	Acenaphthylene	ND		0.30	0.30
120-12-7	Anthracene	ND		0.99	0.99
56-55-3	Benzo[a]anthracene	ND		0.30	0.30
50-32-8	Benzo[a]pyrene	ND		0.20	0.20
205-99-2	Benzo[b]fluoranthene	ND		0.30	0.30
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.50
207-08-9	Benzo[k]fluoranthene	ND		0.30	0.30
218-01-9	Chrysene	ND		0.99	0.99
53-70-3	Dibenz(a,h)anthracene	ND		0.45	0.45
206-44-0	Fluoranthene	ND		0.99	0.99
86-73-7	Fluorene	ND		0.99	0.99
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.45	0.45
91-57-6	2-Methylnaphthalene	ND		0.99	0.99
91-20-3	Naphthalene	ND		0.99	0.99
85-01-8	Phenanthrene	ND		0.20	0.20
129-00-0	Pyrene	ND		0.99	0.99
STL00058	C11-C22 Aromatics	ND		99	99

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	82		40-140
321-60-8	2-Fluorobiphenyl	80		40-140
84-15-1	o-Terphenyl	80		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402109.D		
Lims ID:	360-37913-A-3-A	Client ID:	BC-GW-MW303-120111
Inject. Date:	14-Dec-2011 12:02:22	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37913-A-3-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	84720	Lims Sample ID:	29
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 12:31:18	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 12:32:01

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.942	-0.004	5710450	40.1	
$ 2 2-Bromonaphthalene						
1	6.796	6.803	-0.007	3837215	40.8	
$ 3 o-Terphenyl						
1	10.416	10.409	0.007	14351700	80.3	
$ 4 1-Chlorooctadecane						
2	13.988	13.979	0.009	12673630	82.6	
A 40 C11-C22 Aromatics						
1	12.797	4.597 -	20.997	3174889	20.4	
A 41 C19-C36 Aliphatics						
2	18.554	11.324 -	25.784	5694674	27.4	
S 43 Total EPH						
2					47.8	
S 42 C11-C22 Aromatics (Adjusted)						
2					20.4	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

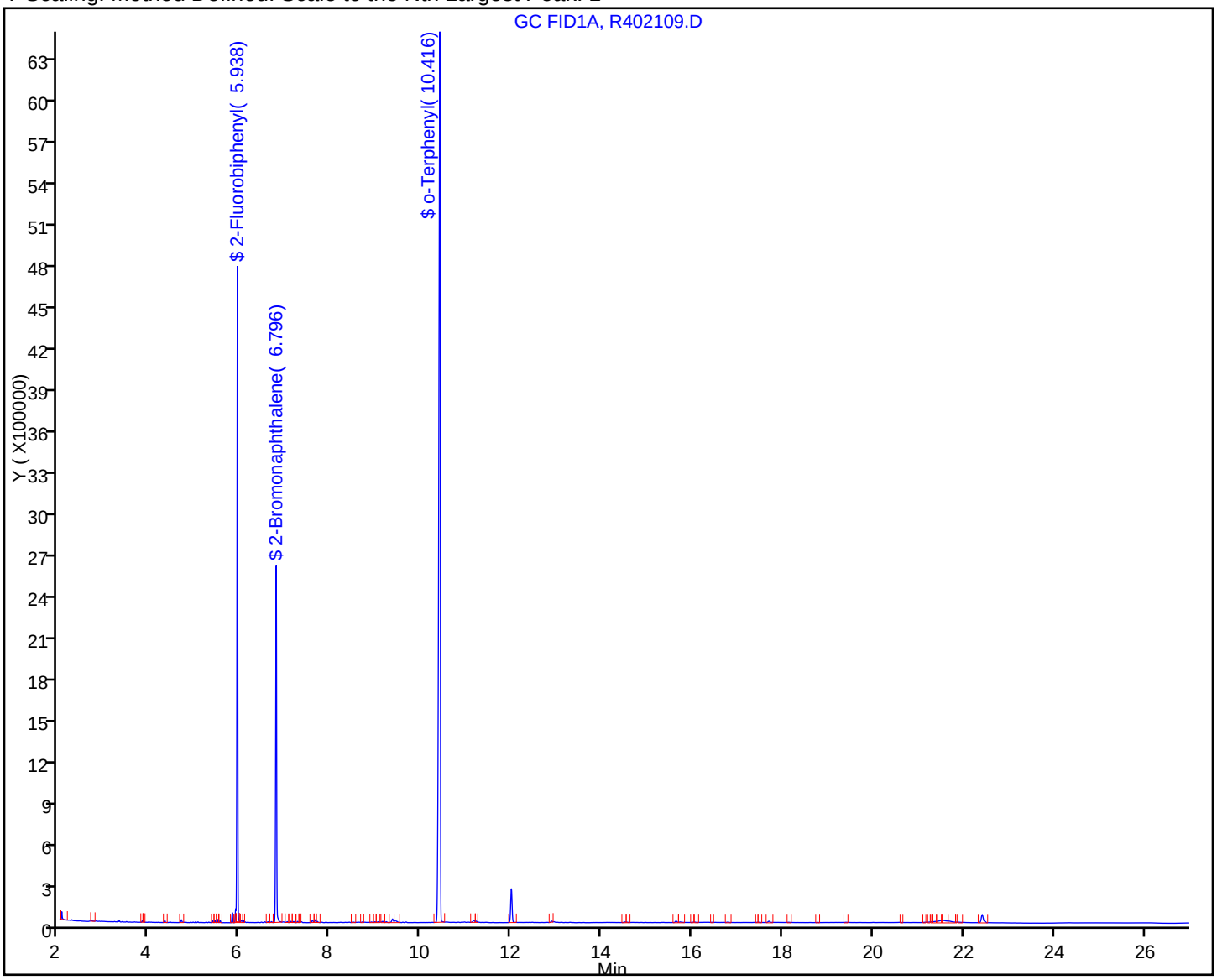
Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 12:32:01 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402109.D

Injection Date:	14-Dec-2011 12:02:22	Limit Group:	GC MA EPH LL
Client ID:	BC-GW-MW303-120111	Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	29
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: BC-GW-MW303-120111 Lab Sample ID: 360-37913-3

Matrix: Water Lab File ID: R402109.D

Analysis Method: MA-EPH-LL Date Collected: 12/01/2011 16:00

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1010(mL) Date Analyzed: 12/14/2011 12:02

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		99	99
STL00087	C19-C36 Aliphatics	ND		99	99
STL00306	C9-C18 Aliphatics	ND		99	99
STL00362	Total EPH	ND		99	99

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	83		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402109.D		
Lims ID:	360-37913-A-3-A	Client ID:	BC-GW-MW303-120111
Inject. Date:	14-Dec-2011 12:02:22	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	360-37913-A-3-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	84720	Lims Sample ID:	29
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 12:31:18	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 12:32:01

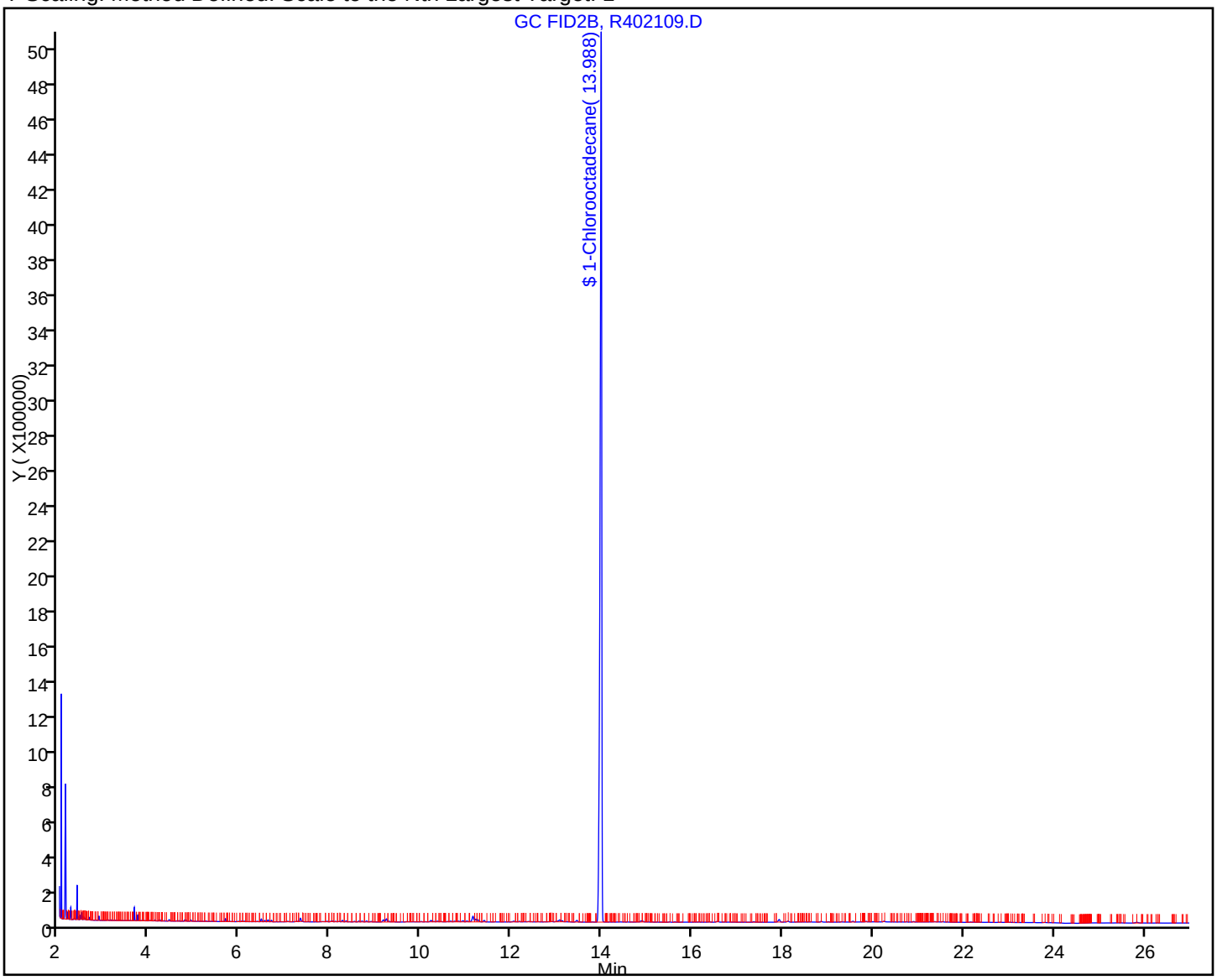
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.942	-0.004	5710450	40.1	
$ 2 2-Bromonaphthalene						
1	6.796	6.803	-0.007	3837215	40.8	
$ 3 o-Terphenyl						
1	10.416	10.409	0.007	14351700	80.3	
$ 4 1-Chlorooctadecane						
2	13.988	13.979	0.009	12673630	82.6	
A 40 C11-C22 Aromatics						
1	12.797	4.597 -	20.997	3174889	20.4	
A 41 C19-C36 Aliphatics						
2	18.554	11.324	-25.784	5694674	27.4	
S 43 Total EPH						
2					47.8	
S 42 C11-C22 Aromatics (Adjusted)						
2					20.4	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 12:32:01 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402109.D
Injection Date: 14-Dec-2011 12:02:22 Limit Group: GC MA EPH LL
Client ID: BC-GW-MW303-120111 Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 29
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 82884

SDG No.:

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16336

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82884/2	R400713.D
Level 2	STD05 360-82884/3	R400715.D
Level 3	STD1 360-82884/4	R400717.D
Level 4	STD5 360-82884/5	R400719.D
Level 5	STD10 360-82884/6	R400721.D
Level 6	STD25 360-82884/7	R400723.D
Level 7	STD50 360-82884/1	R400725.D
Level 8	STD100 360-82884/8	R400727.D
Level 9	STD200 360-82884/9	R400729.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8	LVL 9		RT WINDOW	AVG RT
Naphthalene	4.694	4.694	4.694	4.693	4.694	4.695	4.700	4.707	4.718		4.593 - 4.793	4.699
2-Methylnaphthalene	5.462	5.462	5.461	5.462	5.462	5.465	5.470	5.478	5.490		5.362 - 5.562	5.468
Acenaphthylene	6.604	6.605	6.604	6.606	6.606	6.611	6.618	6.630	6.646		6.506 - 6.706	6.614
Acenaphthene	6.881	6.882	6.881	6.882	6.885	6.889	6.897	6.913	6.934		6.782 - 6.982	6.894
Fluorene	7.695	7.693	7.693	7.693	7.695	7.702	7.711	7.727	7.746		7.593 - 7.793	7.706
Phenanthrene	9.440	9.439	9.438	9.440	9.443	9.450	9.462	9.481	9.505		9.340 - 9.540	9.455
Anthracene	9.531	9.527	9.526	9.527	9.530	9.539	9.554	9.577	9.607		9.427 - 9.627	9.546
Fluoranthene	11.927	11.928	11.926	11.930	11.934	11.943	11.957	11.980	12.010		11.830 - 12.030	11.948
Pyrene	12.388	12.389	12.386	12.390	12.392	12.402	12.420	12.443	12.480		12.290 - 12.490	12.410
C11-C22 Aromatics				12.793	12.727	12.727	12.771	12.727	12.727		4.593 - 20.861	12.745
Benzo[a]anthracene	15.116	15.114	15.113	15.112	15.120	15.131	15.147	15.174	15.204		15.012 - 15.212	15.137
Chrysene	15.203	15.204	15.198	15.202	15.207	15.224	15.245	15.278	15.322		15.102 - 15.302	15.231
Benzo[b]fluoranthene	17.434	17.430	17.426	17.427	17.439	17.452	17.472	17.499	17.556		17.327 - 17.527	17.459
Benzo[k]fluoranthene	17.473	17.479	17.476	17.477	17.487	17.507	17.534	17.574	17.629		17.377 - 17.577	17.515
Benzo[a]pyrene	18.044	18.044	18.041	18.042	18.049	18.068	18.090	18.131	18.175		17.942 - 18.142	18.076
Indeno[1,2,3-cd]pyrene	20.073	20.072	20.070	20.073	20.083	20.103	20.126	20.184			19.973 - 20.173	20.098
Dibenz(a,h)anthracene	20.141	20.145	20.140	20.145	20.147	20.167	20.196	20.237			20.045 - 20.245	20.165
Benzo[g,h,i]perylene	20.473	20.478	20.476	20.482	20.492	20.513	20.545	20.589	20.655		20.382 - 20.582	20.523
2-Fluorobiphenyl	5.938	5.938	5.936	5.937	5.938	5.939	5.944	5.952	5.963		5.837 - 6.037	5.943
2-Bromonaphthalene	6.797	6.795	6.794	6.795	6.795	6.799	6.805	6.817	6.832		6.695 - 6.895	6.803
o-Terphenyl	10.393	10.392	10.393	10.396	10.397	10.403	10.413	10.429	10.450		10.296 - 10.496	10.407

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 82884

SDG No.:

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16336

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82884/2	R400713.D
Level 2	STD05 360-82884/3	R400715.D
Level 3	STD1 360-82884/4	R400717.D
Level 4	STD5 360-82884/5	R400719.D
Level 5	STD10 360-82884/6	R400721.D
Level 6	STD25 360-82884/7	R400723.D
Level 7	STD50 360-82884/1	R400725.D
Level 8	STD100 360-82884/8	R400727.D
Level 9	STD200 360-82884/9	R400729.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
Naphthalene	195320 178010 170096	192268 167988	174008 183379	154389 178245	Ave		177078.309				7.1		25.0			
2-Methylnaphthalene	180000 172361 164497	193712 162502	172711 177539	148988 172230	Ave		171615.598				7.3		25.0			
Acenaphthylene	248370 171571 162370	194922 161615	173931 175708	151274 169985	Ave		178860.637				16.0		25.0			
Acenaphthene	230430 173054 163217	194850 162229	182766 176407	152055 169417	Ave		178269.326				13.0		25.0			
Fluorene	189750 171048 160518	203972 160003	178603 174126	151092 167642	Ave		172972.642				9.4		25.0			
Phenanthrene	214890 162613 156584	172316 151994	160147 166131	142399 162113	Ave		165465.123				12.0		25.0			
Anthracene	320840 164641 150185	187396 150586	169140 163219	145949 159418	Lin1	16645.5480	154304.267							0.9990		0.9900
Fluoranthene	198500 154814 147628	167790 146598	153338 159441	136174 155415	Ave		157744.202				11.0		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 82884

SDG No.:

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16336

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
Pyrene	204130 165507 154096	185812 155442	172200 167381	147244 162466	Ave		168253.133				10.0		25.0			
C11-C22 Aromatics	 165354 149103	150530	161143	153323 155865	Ave		155886.469				4.0		25.0			
Benzo[a]anthracene	273830 142780 137552	155216 135955	143301 146717	125667 143481	Lin1	10844.6969	139939.031							0.9990		0.9900
Chrysene	289630 150851 140830	184152 142240	166003 153091	135525 149043	Lin1	15720.3555	144567.259							0.9990		0.9900
Benzo[b]fluoranthene	296250 140117 133227	155652 134327	137895 143539	123388 150912	Lin1	12298.1384	138979.905							0.9970		0.9900
Benzo[k]fluoranthene	805610 143817 129480	193640 135339	170315 148406	129038 135318	Lin1	59282.0875	133118.374							0.9970		0.9900
Benzo[a]pyrene	287350 143262 138566	174510 136360	150008 147937	127088 146508	Lin1	13362.8056	141429.024							0.9990		0.9900
Indeno[1,2,3-cd]pyrene	406980 122976	128954 120585	119076 135963	106423 128581	Lin1	18412.1469	127920.871							0.9970		0.9900
Dibenz(a,h)anthracene	389710 125732	142210 118254	127477 125160	112801 127700	Lin1	20339.9206	124637.399							0.9990		0.9900
Benzo[g,h,i]perylene	410020 121148 125807	129396 117448	119837 127849	106634 125554	Lin1	19530.9232	124718.577							0.9990		0.9900
2-Fluorobiphenyl	182820 138392 136097	149624 130886	136417 143400	120671 142154	Ave		142273.417				12.0		25.0			
2-Bromonaphthalene	117060 94778 90024	95650 88768	90928 95593	82085 92336	Ave		94135.8078				10.0		25.0			
o-Terphenyl	253540 171542 157009	192914 160782	178742 174351	152185 167414	Ave		178719.907				17.0		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 82884

SDG No.:

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16336

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82884/2	R400713.D
Level 2	STD05 360-82884/3	R400715.D
Level 3	STD1 360-82884/4	R400717.D
Level 4	STD5 360-82884/5	R400719.D
Level 5	STD10 360-82884/6	R400721.D
Level 6	STD25 360-82884/7	R400723.D
Level 7	STD50 360-82884/1	R400725.D
Level 8	STD100 360-82884/8	R400727.D
Level 9	STD200 360-82884/9	R400729.D

ANALYTE	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
Naphthalene	Ave	19532 4199707	96134 9168968	174008 17824535	771947 34019279	1780100	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Methylnaphthalene	Ave	18000 4062551	96856 8876927	172711 17223002	744942 32899396	1723614	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Acenaphthylene	Ave	24837 4040368	97461 8785393	173931 16998474	756372 32474003	1715710	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Acenaphthene	Ave	23043 4055729	97425 8820338	182766 16941685	760273 32643392	1730536	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Fluorene	Ave	18975 4000063	101986 8706313	178603 16764188	755459 32103683	1710479	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Phenanthrene	Ave	21489 3799841	86158 8306539	160147 16211326	711995 31316706	1626129	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Anthracene	Lin1	32084 3764648	93698 8160943	169140 15941768	729745 30036930	1646405	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Fluoranthene	Ave	19850 3664943	83895 7972047	153338 15541500	680868 29525692	1548141	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Pyrene	Ave	20413 3886049	92906 8369046	172200 16246645	736222 30819194	1655065	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C11-C22 Aromatics	Ave	 63975201	 136971940	 264970279	13032461 506951589	28110201	 425	 850	 1700	85.0 3400	170
Benzo[a]anthracene	Lin1	27383 3398887	77608 7335836	143301 14348101	628333 27510479	1427799	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Chrysene	Lin1	28963 3556001	92076 7654542	166003 14904263	677626 28166036	1508512	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Benzo[b]fluoranthene	Lin1	29625 3358183	77826 7176927	137895 15091168	616939 26645481	1401170	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Benzo[k]fluoranthene	Lin1	80561 3383480	96820 7420303	170315 13531770	645189 25896085	1438171	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 82884

SDG No.:

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16336

ANALYTE	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]pyrene	Lin1	28735 3408988	87255 7396842	150008 14650836	635440 27713144	1432623	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Indeno[1,2,3-cd]pyrene	Lin1	40698 3014627	64477 6798127	119076 12858055	532116	1229760	0.100 25.0	0.500 50.0	1.00 100	5.00	10.0
Dibenz(a,h)anthracene	Lin1	38971 2956340	71105 6258006	127477 12770021	564005	1257320	0.100 25.0	0.500 50.0	1.00 100	5.00	10.0
Benzo[g,h,i]perylene	Lin1	41002 2936197	64698 6392453	119837 12555380	533172 25161350	1211484	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Fluorobiphenyl	Ave	18282 3272150	74812 7170019	136417 14215423	603355 27219328	1383915	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
2-Bromonaphthalene	Ave	11706 2219193	47825 4779655	90928 9233617	410427 18004776	947780	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
o-Terphenyl	Ave	25354 4019543	96457 8717574	178742 16741411	760924 31401850	1715418	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D		
Lims ID:	std50	Client ID:	
Inject. Date:	04-Nov-2011 18:55:49	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	7
Sample ID:	std50		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	82884	Lims Sample ID:	1
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:40:24	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.944	5.944	0.000	7170019	53.5	
$ 2 2-Bromonaphthalene						
1	6.805	6.805	0.000	4779655	53.9	
$ 3 o-Terphenyl						
1	10.413	10.413	0.000	8717574	48.8	
$ 4 1-Chlorooctadecane						
2	13.993	13.993	0.000	7669384	50.0	
5 n-Nonane						
2	3.322	3.322	0.000	9295434	51.7	
6 n-Decane						
2	4.127	4.127	0.000	9560336	48.1	
7 Naphthalene						
1	4.700	4.700	0.000	9168968	51.8	
8 2-Methylnaphthalene						
1	5.470	5.470	0.000	8876927	51.7	
9 Dodecane						
2	5.687	5.687	0.000	9558276	50.6	
11 Acenaphthylene						
1	6.618	6.618	0.000	8785393	49.1	
12 Acenaphthene						
1	6.897	6.897	0.000	8820338	49.5	
15 n-Tetradecane						
2	7.350	7.350	0.000	9323243	47.7	
14 Fluorene						
1	7.711	7.711	0.000	8706313	50.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.255	9.255	0.000	9268169	50.4	
16 Phenanthrene						
1	9.462	9.462	0.000	8306539	50.2	
17 Anthracene						
1	9.554	9.554	0.000	8160943	52.8	
20 n-Octadecane						
2	11.235	11.235	0.000	9137355	50.1	
19 Fluoranthene						
1	11.957	11.957	0.000	7972047	50.5	
22 C19						
2	12.205	12.205	0.000	9005170	50.8	
21 Pyrene						
1	12.420	12.420	0.000	8369046	49.7	
23 icosane						
2	13.148	13.148	0.000	8914211	50.7	
27 n-Docosane						
2	14.942	14.942	0.000	8687987	49.5	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	7335836	52.3	
25 Chrysene						
1	15.245	15.245	0.000	7654542	52.8	
28 n-Tetracosane						
2	16.607	16.607	0.000	8722666	48.9	
29 Benzo[b]fluoranthene						
1	17.472	17.472	0.000	7176927	51.6	
30 Benzo[k]fluoranthene						
1	17.534	17.534	0.000	7420303	55.3	
31 Benzo[a]pyrene						
1	18.090	18.090	0.000	7396842	52.2	
32 n-Hexacosane						
2	18.155	18.155	0.000	8918317	52.7	
35 n-Octacosane						
2	19.592	19.592	0.000	8891374	46.9	
33 Indeno[1,2,3-cd]pyrene						
1	20.126	20.126	0.000	6798127	53.0	
34 Dibenz(a,h)anthracene						
1	20.196	20.196	0.000	6258006	50.0	
36 Benzo[g,h,i]perylene						
1	20.545	20.545	0.000	6392453	51.1	
37 Triacontane						
2	20.937	20.937	0.000	8886731	48.8	
38 n-Hexatriacontane						M
2	25.541	25.541	0.000	6932405	45.5	M
A 39 C9-C18 Aliphatics						
2	7.278	3.222 - 11.335		68546958	330.5	
A 40 C11-C22 Aromatics						
1	12.771	4.600 - 20.986		136971940	378.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.564	11.335	-25.742	75594611	363.8	
S 44 EPH Adjustment 1						
1					771.0	
S 42 C11-C22 Aromatics (Adjusted)						
2					107.6	
S 43 Total EPH						
2					801.9	

QC Flag Legend

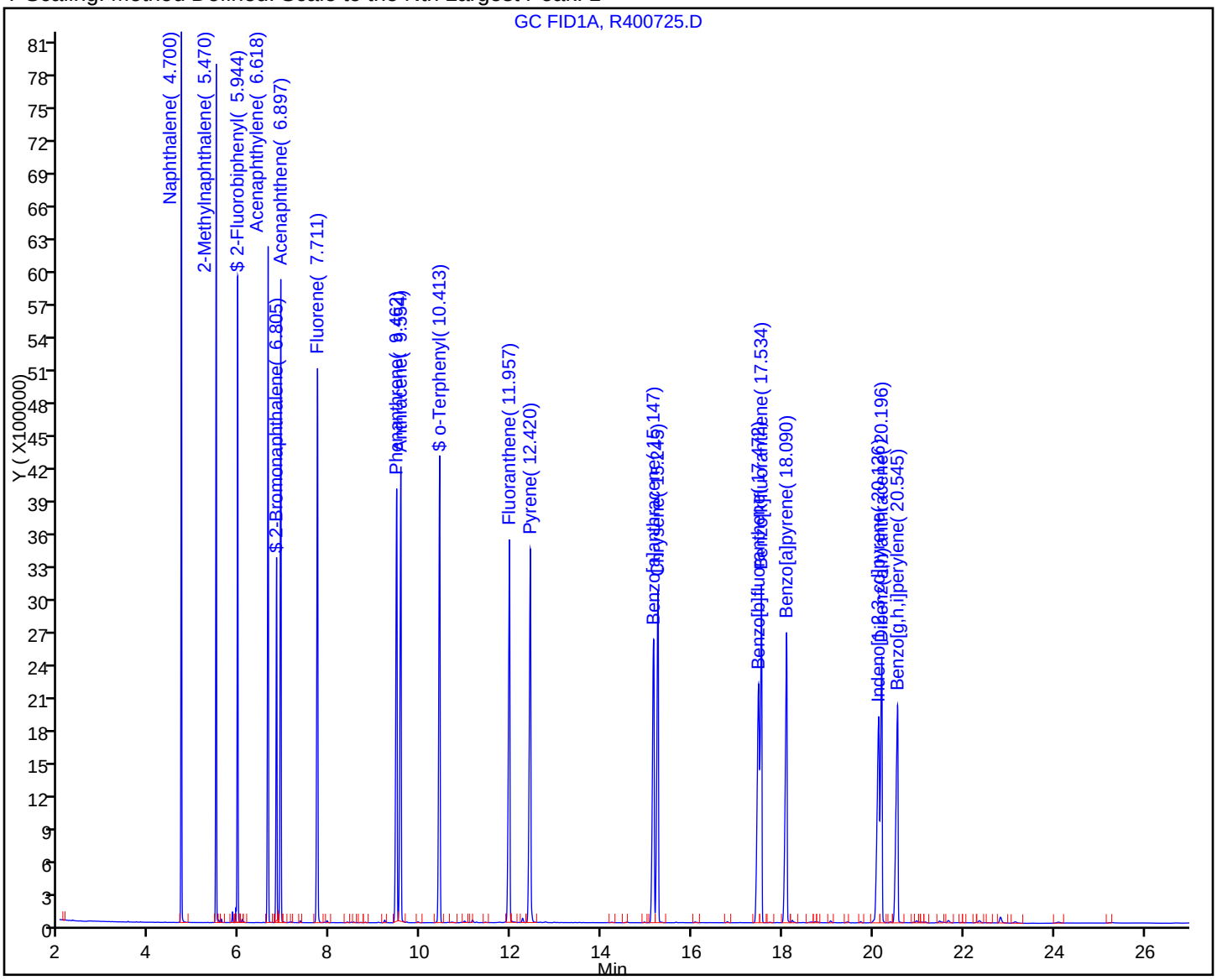
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:40:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D

Injection Date:	04-Nov-2011 18:55:49	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	1
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Lims ID:	std01	Client ID:	
Inject. Date:	04-Nov-2011 15:33:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	std01		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	82884	Lims Sample ID:	2
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:38:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	18282	0.1781	
$ 2 2-Bromonaphthalene						
1	6.797	6.807	-0.010	11706	0.1714	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	25354	0.1419	
$ 4 1-Chlorooctadecane						
2	13.977	13.989	-0.012	19177	0.1251	
5 n-Nonane						
2	3.315	3.320	-0.005	45689	0.1185	
6 n-Decane						
2	4.118	4.125	-0.007	27503	0.1384	
7 Naphthalene						
1	4.694	4.701	-0.007	19532	0.1103	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	18000	0.1049	
9 Dodecane						M
2	5.681	5.685	-0.004	21402	0.1132	M
11 Acenaphthylene						
1	6.604	6.620	-0.016	24837	0.1389	
12 Acenaphthene						
1	6.881	6.900	-0.019	23043	0.1293	
15 n-Tetradecane						
2	7.340	7.345	-0.005	28868	0.1478	
14 Fluorene						
1	7.695	7.711	-0.016	18975	0.1097	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	21924	0.1192	
16 Phenanthrene						
1	9.440	9.463	-0.023	21489	0.1299	
17 Anthracene						
1	9.531	9.555	-0.024	32084	0.1001	
20 n-Octadecane						
2	11.223	11.231	-0.008	22544	0.1236	
19 Fluoranthene						
1	11.927	11.959	-0.032	19850	0.1258	
22 C19						
2	12.189	12.202	-0.013	20605	0.1162	
21 Pyrene						
1	12.388	12.421	-0.033	20413	0.1213	
23 icosane						
2	13.133	13.145	-0.012	22148	0.1260	
27 n-Docosane						
2	14.928	14.940	-0.012	21473	0.1223	
24 Benzo[a]anthracene						
1	15.116	15.147	-0.031	27383	0.1182	
25 Chrysene						
1	15.203	15.245	-0.042	28963	0.0916	
28 n-Tetracosane						
2	16.593	16.605	-0.012	23228	0.1303	
29 Benzo[b]fluoranthene						
1	17.434	17.471	-0.037	29625	0.1247	
30 Benzo[k]fluoranthene						
1	17.473	17.537	-0.064	80561	0.1598	
31 Benzo[a]pyrene						
1	18.044	18.091	-0.047	28735	0.1087	
32 n-Hexacosane						
2	18.139	18.150	-0.011	32897	0.0964	
35 n-Octacosane						
2	19.577	19.586	-0.009	29834	0.1573	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.124	-0.051	40698	0.1742	
34 Dibenz(a,h)anthracene						
1	20.141	20.237	-0.096	38971	0.1495	
36 Benzo[g,h,i]perylene						
1	20.473	20.473	0.000	41002	0.1722	
37 Triacontane						
2	20.919	20.932	-0.013	24973	0.1370	
38 n-Hexatriacontane						M
2	25.486	25.525	-0.039	18444	0.1210	M
S 43 Total EPH						
2					-1.85	
S 42 C11-C22 Aromatics (Adjusted)						
2					1.85	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					1.85	

QC Flag Legend

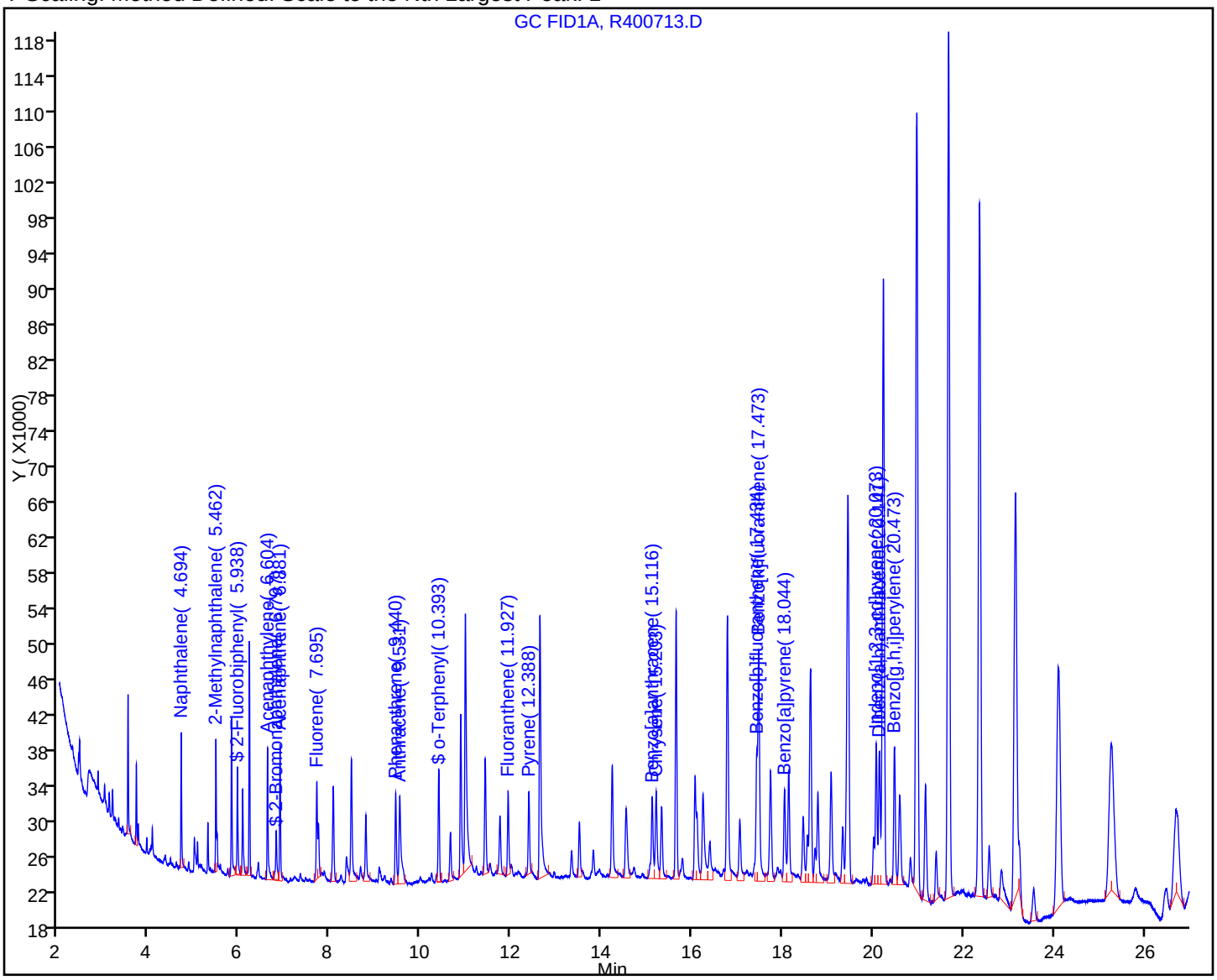
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:38:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D

Injection Date:	04-Nov-2011 15:33:45	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Lims ID:	std05	Client ID:	
Inject. Date:	04-Nov-2011 16:07:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	std05		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	82884	Lims Sample ID:	3
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:21	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:21

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	74812	0.6280	
$ 2 2-Bromonaphthalene						
1	6.795	6.807	-0.012	47825	0.6068	
$ 3 o-Terphenyl						
1	10.392	10.414	-0.022	96457	0.5397	
$ 4 1-Chlorooctadecane						
2	13.980	13.989	-0.009	66681	0.4348	
5 n-Nonane						
2	3.316	3.320	-0.004	94503	0.3909	
6 n-Decane						
2	4.119	4.125	-0.006	88951	0.4476	
7 Naphthalene						
1	4.694	4.701	-0.007	96134	0.5429	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	96856	0.5644	
9 Dodecane						M
2	5.681	5.685	-0.004	81949	0.4335	M
11 Acenaphthylene						
1	6.605	6.620	-0.015	97461	0.5449	
12 Acenaphthene						
1	6.882	6.900	-0.018	97425	0.5465	
15 n-Tetradecane						
2	7.344	7.345	-0.001	86676	0.4438	
14 Fluorene						
1	7.693	7.711	-0.018	101986	0.5896	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	79421	0.4318	
16 Phenanthrene						
1	9.439	9.463	-0.024	86158	0.5207	
17 Anthracene						
1	9.527	9.555	-0.028	93698	0.4994	
20 n-Octadecane						
2	11.225	11.231	-0.006	79063	0.4335	
19 Fluoranthene						
1	11.928	11.959	-0.031	83895	0.5318	
22 C19						
2	12.192	12.202	-0.010	76763	0.4328	
21 Pyrene						
1	12.389	12.421	-0.032	92906	0.5522	
23 icosane						
2	13.135	13.145	-0.010	76021	0.4324	
27 n-Docosane						
2	14.930	14.940	-0.010	77725	0.4427	
24 Benzo[a]anthracene						
1	15.114	15.147	-0.033	77608	0.4771	
25 Chrysene						
1	15.204	15.245	-0.041	92076	0.5282	
28 n-Tetracosane						
2	16.593	16.605	-0.012	77831	0.4365	
29 Benzo[b]fluoranthene						
1	17.430	17.471	-0.041	77826	0.4715	
30 Benzo[k]fluoranthene						
1	17.479	17.537	-0.058	96820	0.2820	
31 Benzo[a]pyrene						M
1	18.044	18.091	-0.047	87255	0.5225	M
32 n-Hexacosane						
2	18.139	18.150	-0.011	84479	0.4019	
35 n-Octacosane						
2	19.575	19.586	-0.011	82434	0.4347	
33 Indeno[1,2,3-cd]pyrene						
1	20.072	20.124	-0.052	64477	0.3601	
34 Dibenz(a,h)anthracene						M
1	20.145	20.237	-0.092	71105	0.4073	M
36 Benzo[g,h,i]perylene						
1	20.478	20.473	0.005	64698	0.3622	
37 Triacontane						
2	20.916	20.932	-0.016	77925	0.4275	
38 n-Hexatriacontane						
2	25.515	25.525	-0.010	80420	0.5274	
S 44 EPH Adjustment 1						
1					7.54	
S 42 C11-C22 Aromatics (Adjusted)						
2					7.54	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 43 Total EPH						
2					-7.54	

QC Flag Legend

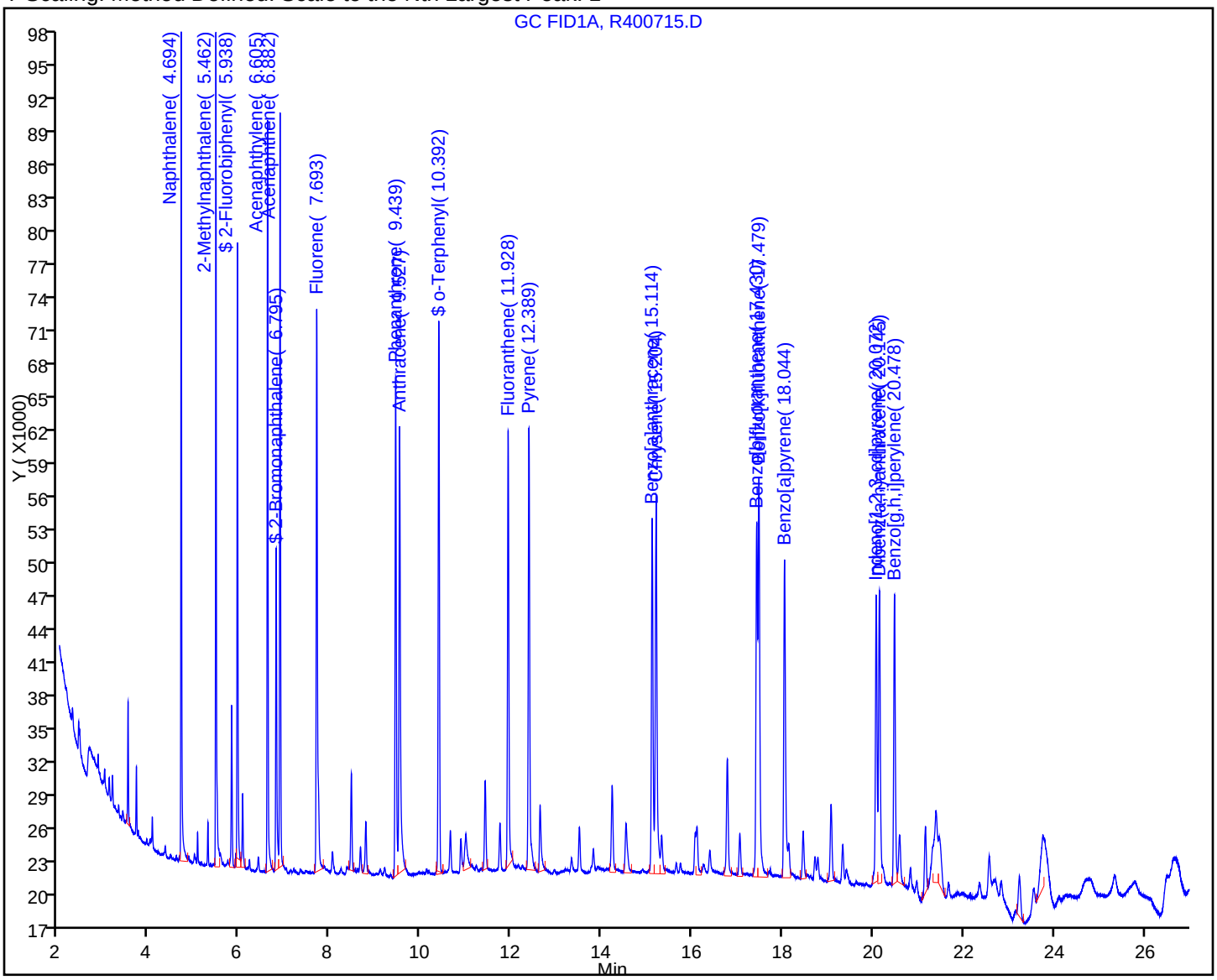
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D

Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Report Date: 08-Nov-2011 10:39:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

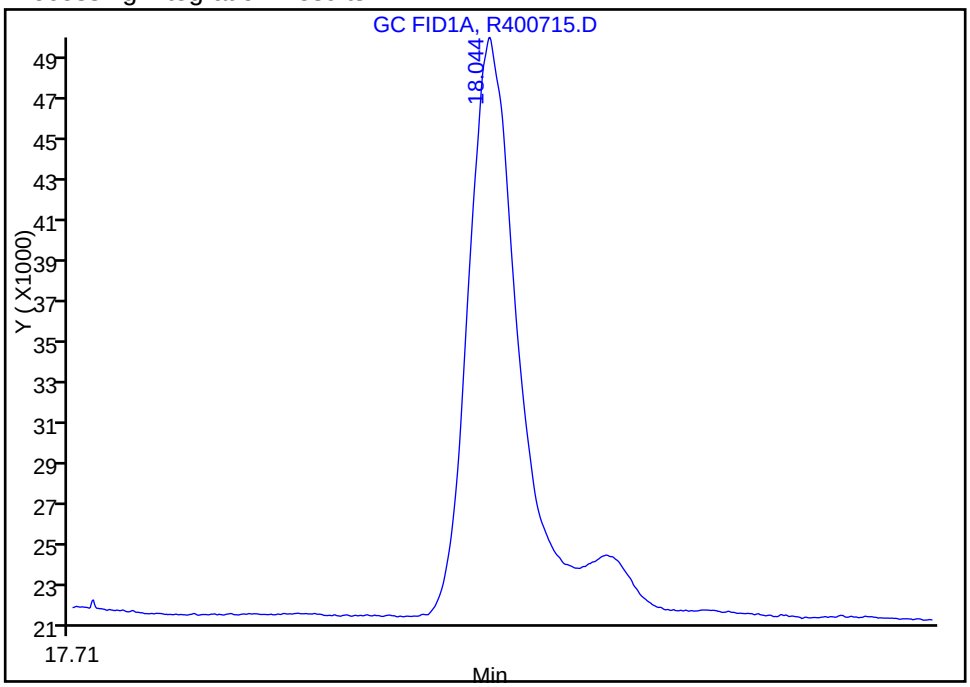
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 18.09, Det: GC FID1A

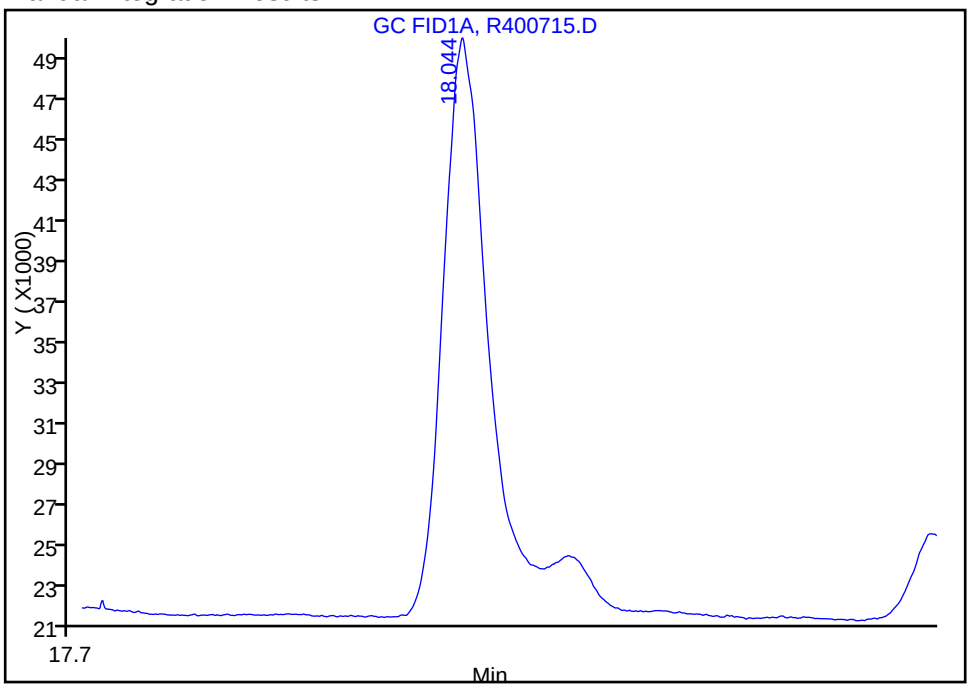
Processing Integration Results

RT: 18.04
Response: 79261
Amount: 0.470187



Manual Integration Results

RT: 18.04
Response: 87255
Amount: 0.522468



Reviewer: malanowskiv, 06-Nov-2011 12:18:05
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Incomplete Integration

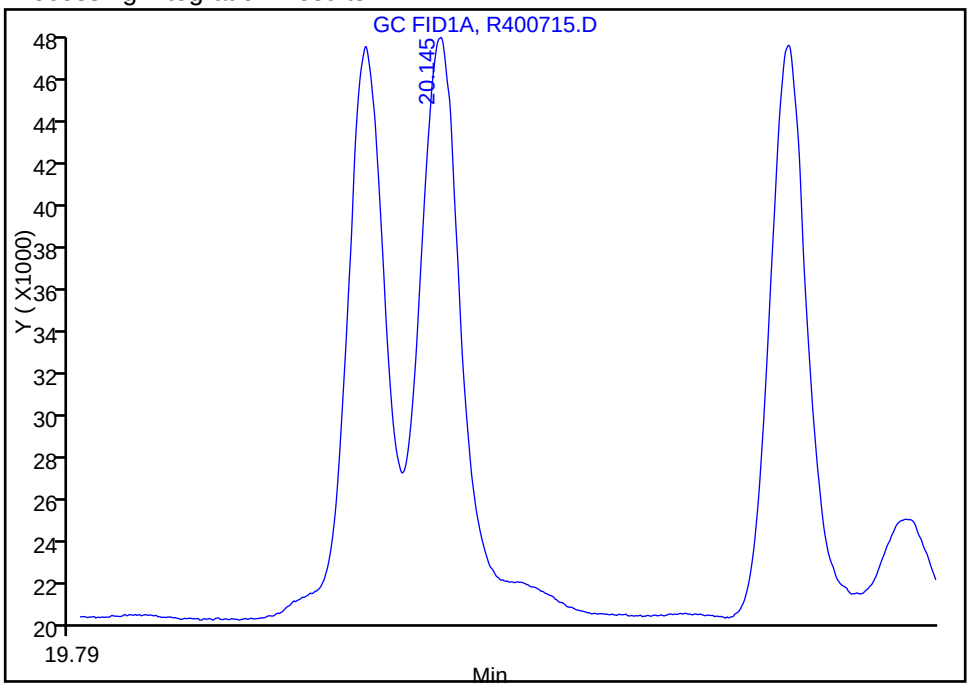
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 20.24, Det: GC FID1A

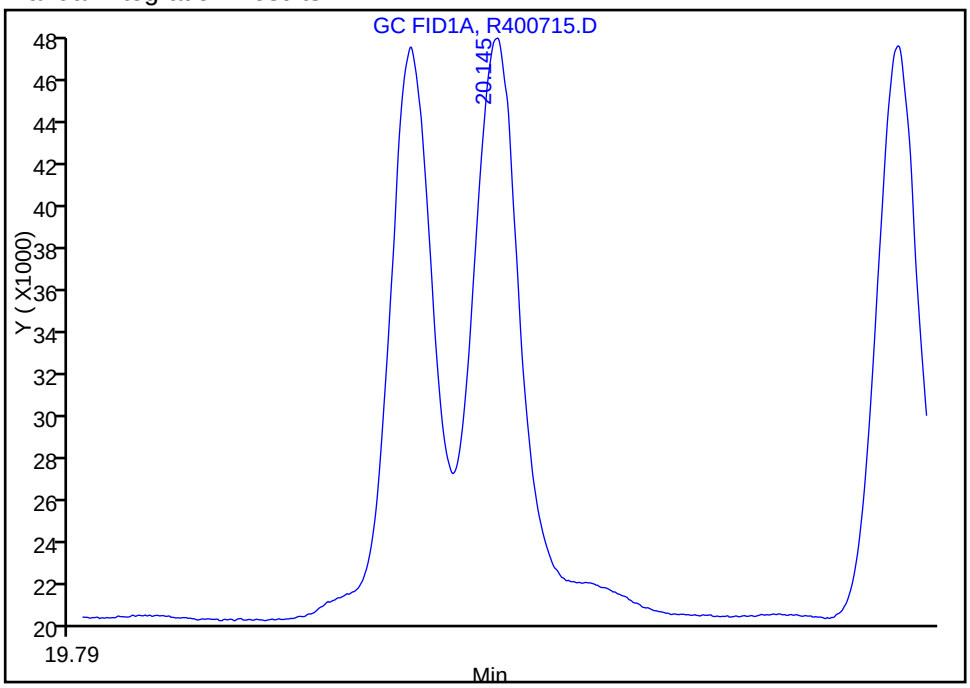
Processing Integration Results

RT: 20.14
Response: 75585
Amount: 1.160028



Manual Integration Results

RT: 20.14
Response: 71105
Amount: 0.407302



Reviewer: malanowskiv, 08-Nov-2011 10:07:06
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Lims ID:	std1	Client ID:	
Inject. Date:	04-Nov-2011 16:41:15	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	std1		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	82884	Lims Sample ID:	4
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:43	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:30

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.936	5.946	-0.010	136417	1.02	
$ 2 2-Bromonaphthalene						
1	6.794	6.807	-0.013	90928	1.02	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	178742	1.00	
$ 4 1-Chlorooctadecane						
2	13.979	13.989	-0.010	157720	1.03	
5 n-Nonane						
2	3.316	3.320	-0.004	191340	0.9313	
6 n-Decane						
2	4.120	4.125	-0.005	198910	1.00	
7 Naphthalene						
1	4.694	4.701	-0.007	174008	0.9827	
8 2-Methylnaphthalene						
1	5.461	5.471	-0.010	172711	1.01	
9 Dodecane						
2	5.681	5.685	-0.004	193561	1.02	
11 Acenaphthylene						
1	6.604	6.620	-0.016	173931	0.9724	
12 Acenaphthene						
1	6.881	6.900	-0.019	182766	1.03	
15 n-Tetradecane						
2	7.341	7.345	-0.004	195113	1.00	
14 Fluorene						
1	7.693	7.711	-0.018	178603	1.03	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.245	9.253	-0.008	188032	1.02	
16 Phenanthrene						
1	9.438	9.463	-0.025	160147	0.9679	
17 Anthracene						
1	9.526	9.555	-0.029	169140	0.9883	
20 n-Octadecane						
2	11.221	11.231	-0.010	186018	1.02	
19 Fluoranthene						
1	11.926	11.959	-0.033	153338	0.9721	
22 C19						
2	12.191	12.202	-0.011	181606	1.02	
21 Pyrene						
1	12.386	12.421	-0.035	172200	1.02	
23 icosane						
2	13.133	13.145	-0.012	179530	1.02	
27 n-Docosane						
2	14.925	14.940	-0.015	181581	1.03	
24 Benzo[a]anthracene						
1	15.113	15.147	-0.034	143301	0.9465	
25 Chrysene						
1	15.198	15.245	-0.047	166003	1.04	
28 n-Tetracosane						
2	16.591	16.605	-0.014	185952	1.04	
29 Benzo[b]fluoranthene						
1	17.426	17.471	-0.045	137895	0.9037	
30 Benzo[k]fluoranthene						
1	17.476	17.537	-0.061	170315	0.8341	
31 Benzo[a]pyrene						M
1	18.041	18.091	-0.050	150008	0.9662	M
32 n-Hexacosane						
2	18.134	18.150	-0.016	196881	1.07	
35 n-Octacosane						
2	19.576	19.586	-0.010	195174	1.03	
33 Indeno[1,2,3-cd]pyrene						
1	20.070	20.124	-0.054	119076	0.7869	
34 Dibenz(a,h)anthracene						M
1	20.140	20.237	-0.097	127477	0.8596	M
36 Benzo[g,h,i]perylene						
1	20.476	20.473	0.003	119837	0.8043	
37 Triacontane						
2	20.914	20.932	-0.018	186927	1.03	
38 n-Hexatriacontane						
2	25.510	25.525	-0.015	158822	1.04	
S 43 Total EPH						
2					-14.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					14.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					14.5	

QC Flag Legend

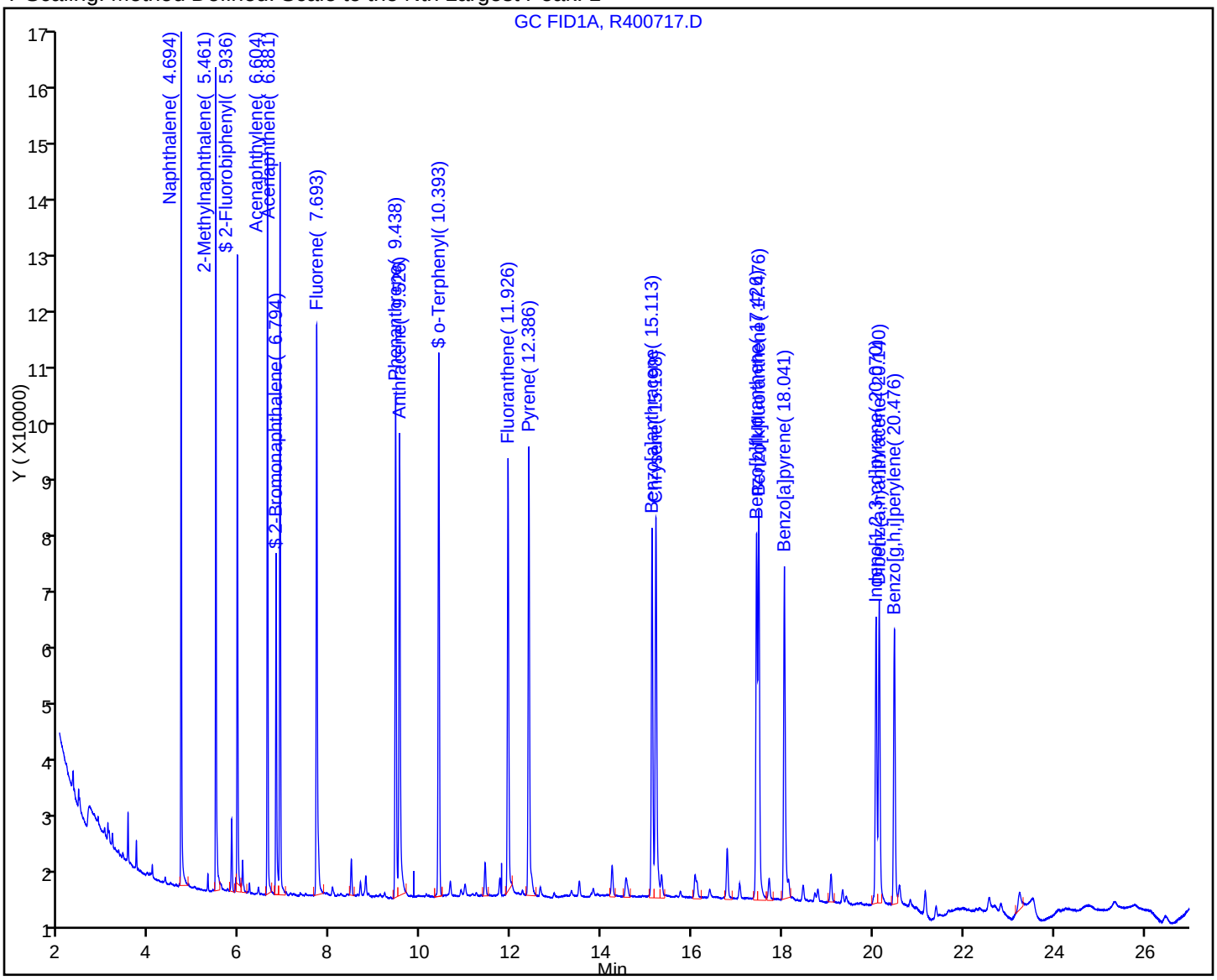
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:43 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D

Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Report Date: 08-Nov-2011 10:39:43 Chrom Revision: 2.0 29-Sep-2011 09:38:02

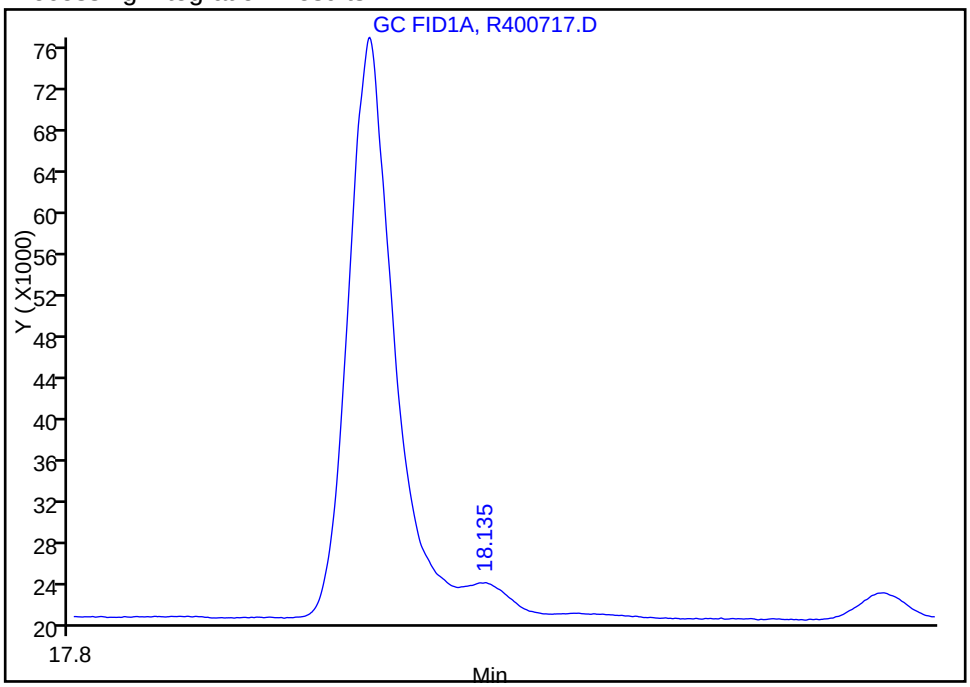
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 18.09, Det: GC FID1A

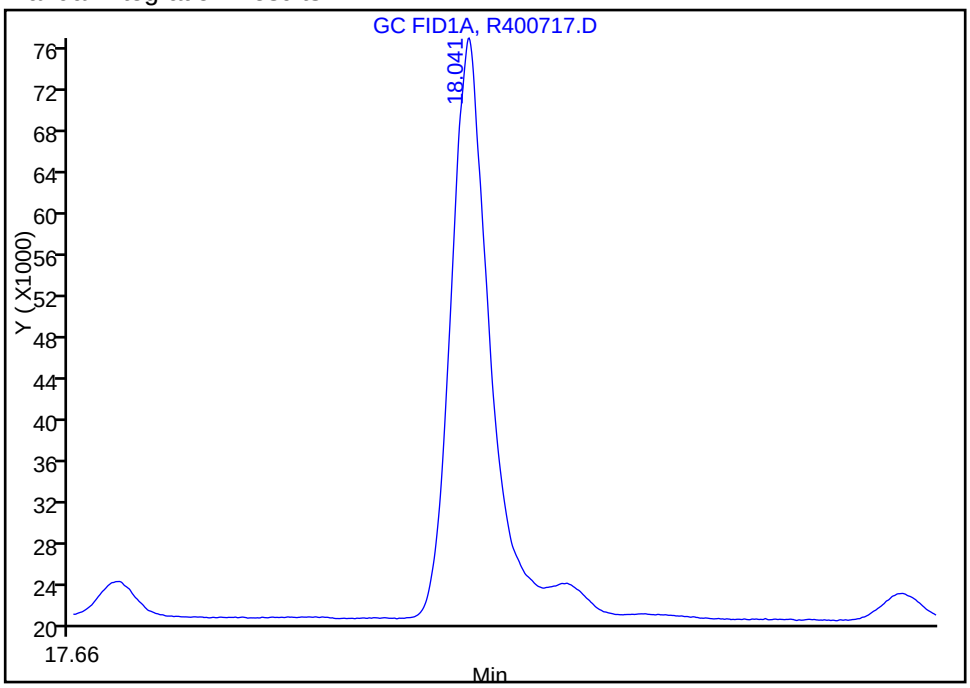
Processing Integration Results

RT: 18.13
Response: 10022
Amount: 0.315085



Manual Integration Results

RT: 18.04
Response: 150008
Amount: 0.966175



Reviewer: malanowskiv, 06-Nov-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 08-Nov-2011 10:39:43 Chrom Revision: 2.0 29-Sep-2011 09:38:02

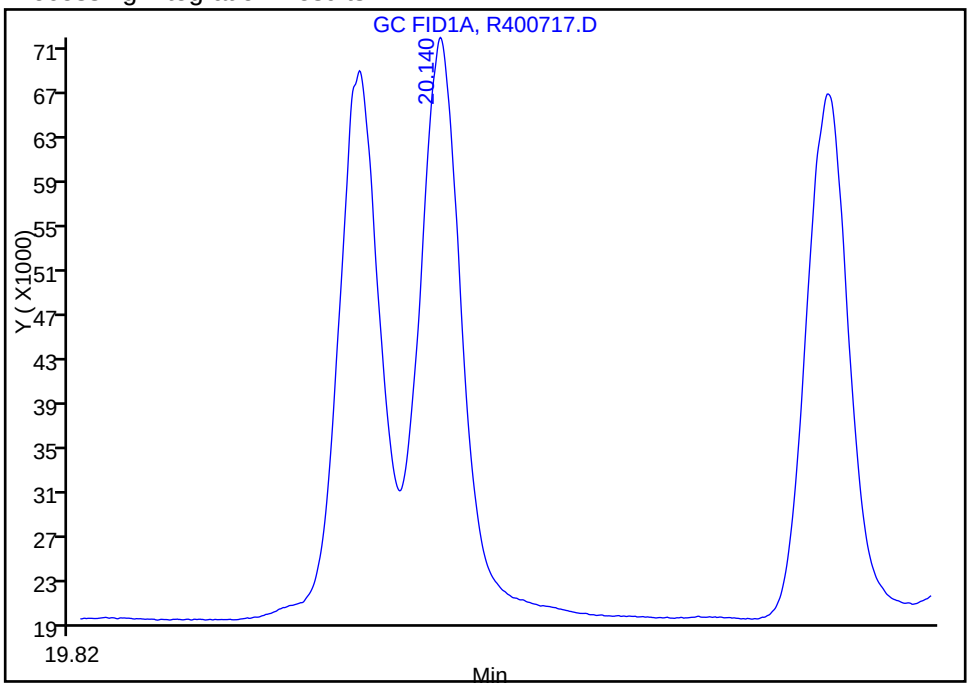
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 20.24, Det: GC FID1A

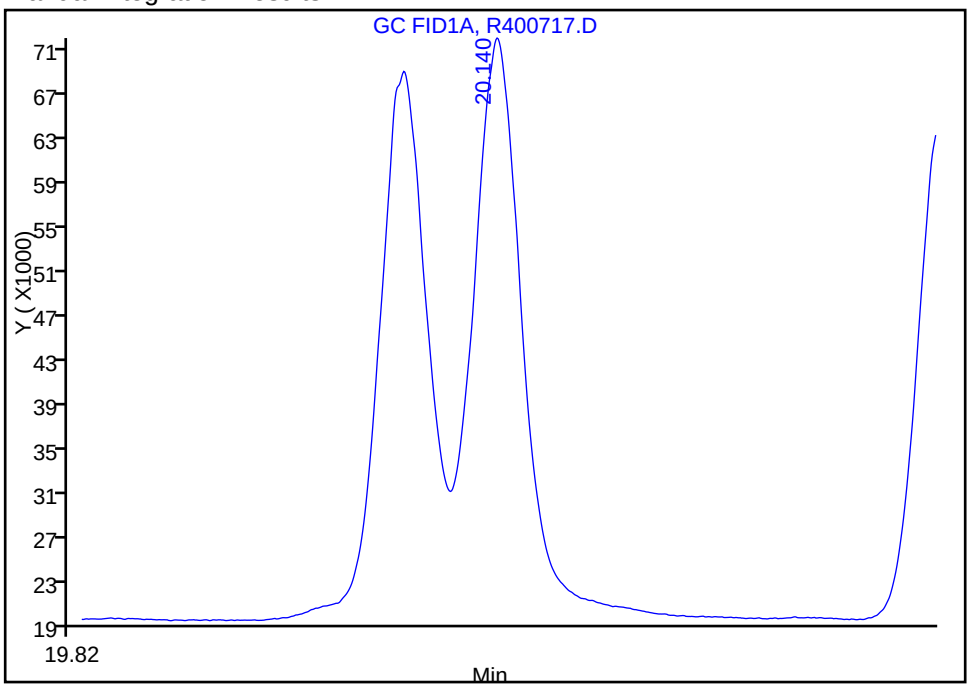
Processing Integration Results

RT: 20.14
Response: 131847
Amount: 1.534784



Manual Integration Results

RT: 20.14
Response: 127477
Amount: 0.859590



Reviewer: malanowskiv, 08-Nov-2011 10:07:54
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D		
Lims ID:	std5	Client ID:	
Inject. Date:	04-Nov-2011 17:14:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	std5		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	82884	Lims Sample ID:	5
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:42:28	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:37

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.937	0.000	603355	4.50	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	410427	4.63	
$ 3 o-Terphenyl						
1	10.396	10.396	0.000	760924	4.26	
$ 4 1-Chlorooctadecane						
2	13.980	13.980	0.000	835953	5.45	
5 n-Nonane						
2	3.317	3.317	0.000	1008687	5.49	
6 n-Decane						
2	4.119	4.119	0.000	1040458	5.24	
7 Naphthalene						
1	4.693	4.693	0.000	771947	4.36	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	744942	4.34	
9 Dodecane						
2	5.681	5.681	0.000	1032141	5.46	
11 Acenaphthylene						
1	6.606	6.606	0.000	756372	4.23	
12 Acenaphthene						
1	6.882	6.882	0.000	760273	4.26	
15 n-Tetradecane						
2	7.342	7.342	0.000	1009032	5.17	
14 Fluorene						
1	7.693	7.693	0.000	755459	4.37	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	997130	5.42	
16 Phenanthrene						
1	9.440	9.440	0.000	711995	4.30	
17 Anthracene						
1	9.527	9.527	0.000	729745	4.62	
20 n-Octadecane						
2	11.222	11.222	0.000	981231	5.38	
19 Fluoranthene						
1	11.930	11.930	0.000	680868	4.32	
22 C19						
2	12.192	12.192	0.000	962882	5.43	
21 Pyrene						
1	12.390	12.390	0.000	736222	4.38	
23 icosane						
2	13.135	13.135	0.000	950809	5.41	
27 n-Docosane						
2	14.927	14.927	0.000	957825	5.46	
24 Benzo[a]anthracene						
1	15.112	15.112	0.000	628333	4.41	
25 Chrysene						
1	15.202	15.202	0.000	677626	4.58	
28 n-Tetracosane						
2	16.592	16.592	0.000	954740	5.35	
29 Benzo[b]fluoranthene						
1	17.427	17.427	0.000	616939	4.35	
30 Benzo[k]fluoranthene						
1	17.477	17.477	0.000	645189	4.40	
31 Benzo[a]pyrene						
1	18.042	18.042	0.000	635440	4.40	
32 n-Hexacosane						
2	18.139	18.139	0.000	969840	5.65	
35 n-Octacosane						
2	19.577	19.577	0.000	964729	5.09	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.073	0.000	532116	4.02	
34 Dibenz(a,h)anthracene						
1	20.145	20.145	0.000	564005	4.36	
36 Benzo[g,h,i]perylene						
1	20.482	20.482	0.000	533172	4.12	
37 Triacontane						
2	20.918	20.918	0.000	957852	5.25	
38 n-Hexatriacontane						
2	25.512	25.512	0.000	816525	5.35	
A 39 C9-C18 Aliphatics						
2	7.278	3.217 - 11.322		13287798	32.2	
A 40 C11-C22 Aromatics						
1	12.793	4.593 - 20.861		13032461	83.6	

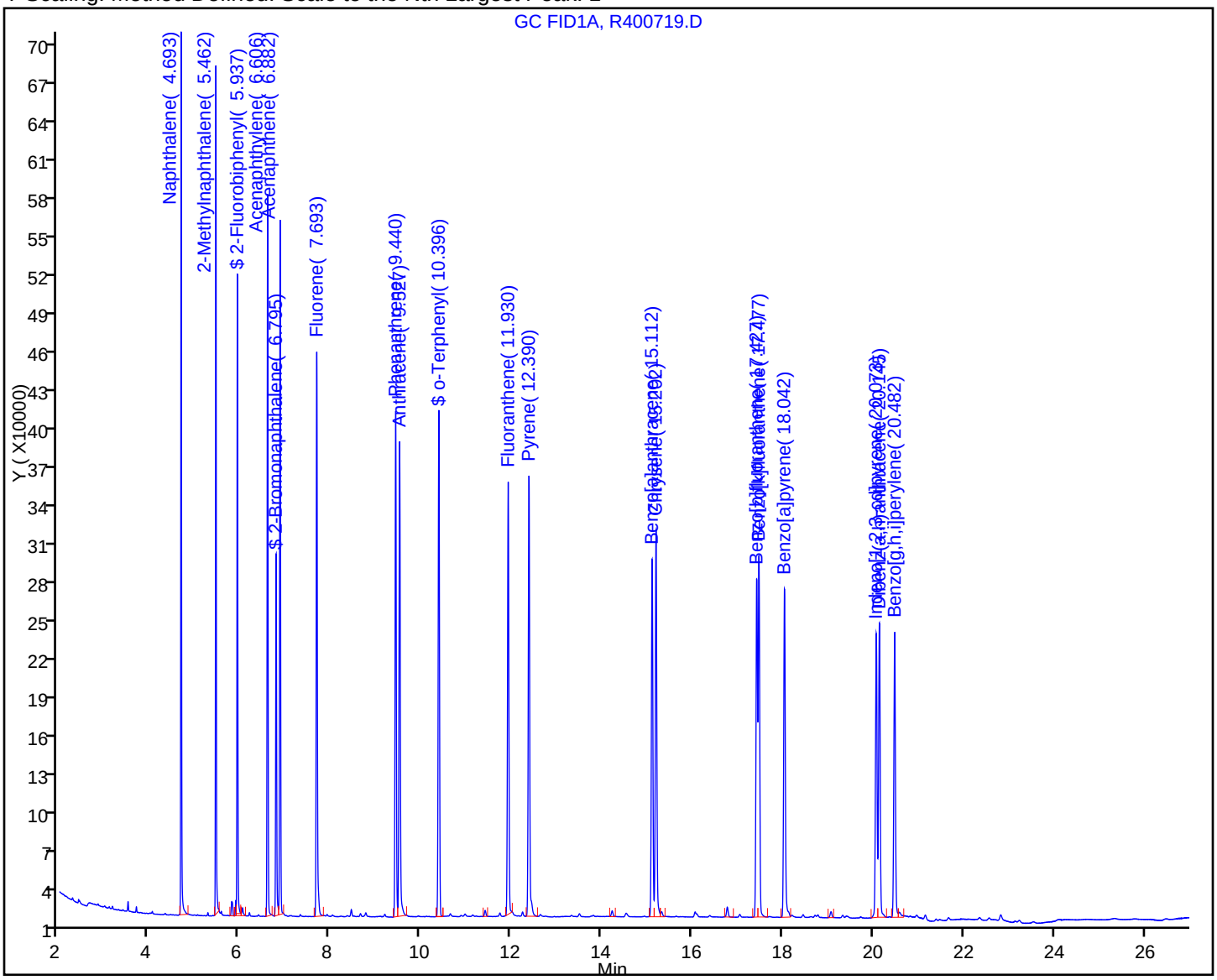
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.538	11.322	-25.765	11820018	56.9	
S 43 Total EPH						
2					107.2	
S 42 C11-C22 Aromatics (Adjusted)						
2					18.2	
S 44 EPH Adjustment 1						
1					65.4	

Report Date: 08-Nov-2011 10:42:28 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D

Injection Date:	04-Nov-2011 17:14:54	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	5
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Lims ID:	std10	Client ID:	
Inject. Date:	04-Nov-2011 17:48:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	std10		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	82884	Lims Sample ID:	6
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:13	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.937	0.001	1383915	10.3	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	947780	10.7	
$ 3 o-Terphenyl						
1	10.397	10.396	0.001	1715418	9.60	
$ 4 1-Chlorooctadecane						
2	13.981	13.980	0.001	1493643	9.74	
5 n-Nonane						
2	3.317	3.317	0.000	1809092	9.96	
6 n-Decane						
2	4.121	4.119	0.002	1866122	9.39	
7 Naphthalene						
1	4.694	4.693	0.001	1780100	10.1	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	1723614	10.0	
9 Dodecane						
2	5.682	5.681	0.001	1852722	9.80	
11 Acenaphthylene						
1	6.606	6.606	0.000	1715710	9.59	
12 Acenaphthene						
1	6.885	6.882	0.003	1730536	9.71	
15 n-Tetradecane						
2	7.343	7.342	0.001	1804162	9.24	
14 Fluorene						
1	7.695	7.693	0.002	1710479	9.89	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	1783806	9.70	
16 Phenanthrene						
1	9.443	9.440	0.003	1626129	9.83	
17 Anthracene						
1	9.530	9.527	0.003	1646405	10.6	
20 n-Octadecane						
2	11.223	11.222	0.001	1751948	9.60	
19 Fluoranthene						
1	11.934	11.930	0.004	1548141	9.81	
22 C19						
2	12.194	12.192	0.002	1723266	9.72	
21 Pyrene						
1	12.392	12.390	0.002	1655065	9.84	
23 icosane						M
2	13.136	13.135	0.001	1718339	9.77	M
27 n-Docosane						
2	14.928	14.927	0.001	1707750	9.73	
24 Benzo[a]anthracene						
1	15.120	15.112	0.008	1427799	10.1	
25 Chrysene						
1	15.207	15.202	0.005	1508512	10.3	
28 n-Tetracosane						
2	16.594	16.592	0.002	1695943	9.51	
29 Benzo[b]fluoranthene						
1	17.439	17.427	0.012	1401170	10.0	
30 Benzo[k]fluoranthene						
1	17.487	17.477	0.010	1438171	10.4	
31 Benzo[a]pyrene						
1	18.049	18.042	0.007	1432623	10.0	
32 n-Hexacosane						
2	18.138	18.139	-0.001	1707752	10.0	
35 n-Octacosane						
2	19.579	19.577	0.002	1703640	8.98	
33 Indeno[1,2,3-cd]pyrene						
1	20.083	20.073	0.010	1229760	9.47	
34 Dibenz(a,h)anthracene						
1	20.147	20.145	0.002	1257320	9.92	
36 Benzo[g,h,i]perylene						
1	20.492	20.482	0.010	1211484	9.56	
37 Triacontane						
2	20.920	20.918	0.002	1700410	9.33	
38 n-Hexatriacontane						M
2	25.519	25.512	0.007	1476363	9.68	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		16605628	50.1	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		28110201	100.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	17408993	83.8	
S 44 EPH Adjustment 1						
1					149.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					30.6	
S 43 Total EPH						
2					164.5	

QC Flag Legend

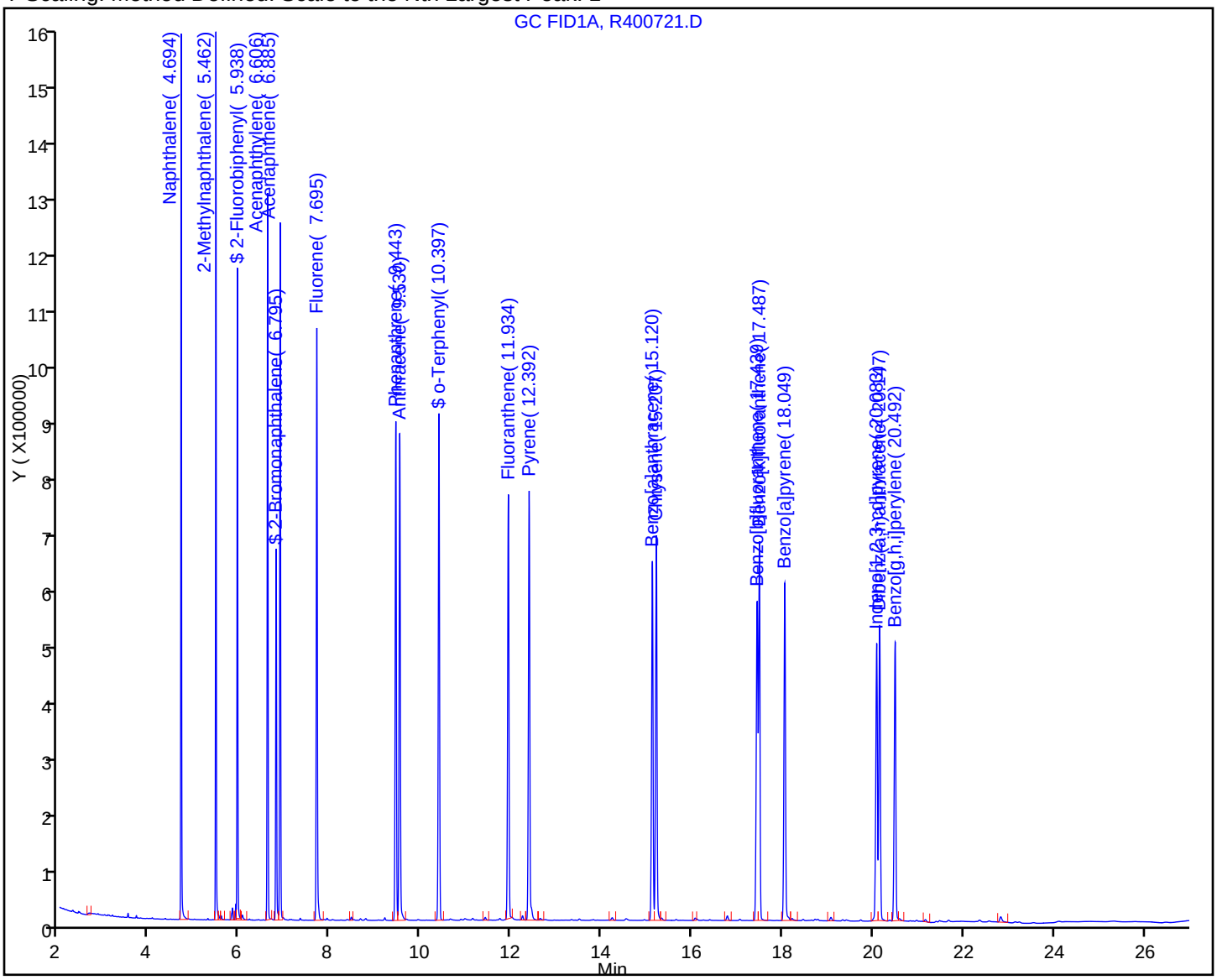
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:46:13 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D

Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D		
Lims ID:	std25	Client ID:	
Inject. Date:	04-Nov-2011 18:22:16	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	std25		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	82884	Lims Sample ID:	7
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:35	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:26

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.937	0.002	3272150	24.4	
$ 2 2-Bromonaphthalene						
1	6.799	6.795	0.004	2219193	25.0	
$ 3 o-Terphenyl						
1	10.403	10.396	0.007	4019543	22.5	
$ 4 1-Chlorooctadecane						
2	13.984	13.980	0.004	3641764	23.7	
5 n-Nonane						
2	3.318	3.317	0.001	4377354	24.3	
6 n-Decane						
2	4.122	4.119	0.003	4503826	22.7	
7 Naphthalene						
1	4.695	4.693	0.002	4199707	23.7	
8 2-Methylnaphthalene						
1	5.465	5.462	0.003	4062551	23.7	
9 Dodecane						
2	5.683	5.681	0.002	4478288	23.7	
11 Acenaphthylene						
1	6.611	6.606	0.005	4040368	22.6	
12 Acenaphthene						
1	6.889	6.882	0.007	4055729	22.8	
15 n-Tetradecane						
2	7.345	7.342	0.003	4377639	22.4	
14 Fluorene						
1	7.702	7.693	0.009	4000063	23.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.246	0.005	4324561	23.5	
16 Phenanthrene						
1	9.450	9.440	0.010	3799841	23.0	
17 Anthracene						
1	9.539	9.527	0.012	3764648	24.3	
20 n-Octadecane						
2	11.230	11.222	0.008	4270937	23.4	
19 Fluoranthene						
1	11.943	11.930	0.013	3664943	23.2	
22 C19						
2	12.198	12.192	0.006	4203875	23.7	
21 Pyrene						
1	12.402	12.390	0.012	3886049	23.1	
23 icosane						
2	13.142	13.135	0.007	4135090	23.5	
27 n-Docosane						
2	14.935	14.927	0.008	4155128	23.7	
24 Benzo[a]anthracene						
1	15.131	15.112	0.019	3398887	24.2	
25 Chrysene						
1	15.224	15.202	0.022	3556001	24.5	
28 n-Tetracosane						
2	16.600	16.592	0.008	4156516	23.3	
29 Benzo[b]fluoranthene						
1	17.452	17.427	0.025	3358183	24.1	
30 Benzo[k]fluoranthene						
1	17.507	17.477	0.030	3383480	25.0	
31 Benzo[a]pyrene						
1	18.068	18.042	0.026	3408988	24.0	
32 n-Hexacosane						
2	18.147	18.139	0.008	4203409	24.8	
35 n-Octacosane						
2	19.583	19.577	0.006	4221496	22.3	
33 Indeno[1,2,3-cd]pyrene						
1	20.103	20.073	0.030	3014627	23.4	
34 Dibenz(a,h)anthracene						
1	20.167	20.145	0.022	2956340	23.6	
36 Benzo[g,h,i]perylene						
1	20.513	20.482	0.031	2936197	23.4	
37 Triacontane						
2	20.926	20.918	0.008	4185801	23.0	
38 n-Hexatriacontane						
2	25.527	25.512	0.015	3536636	23.2	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		35718196	153.3	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		63975201	410.4	

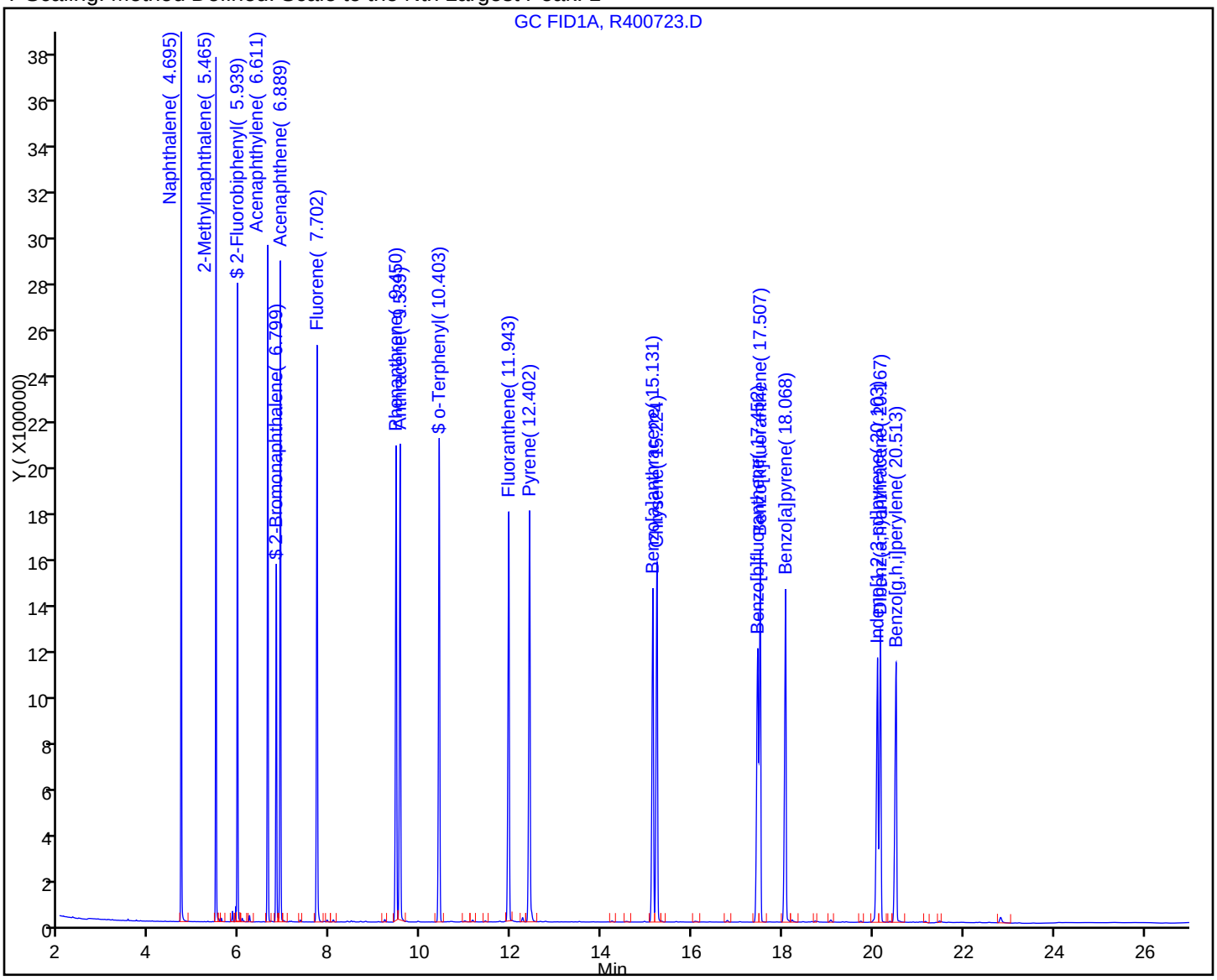
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	40071233	192.8	
S 43 Total EPH						
2					401.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					55.8	
S 44 EPH Adjustment 1						
1					354.6	

Report Date: 08-Nov-2011 10:46:35 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D

Injection Date:	04-Nov-2011 18:22:16	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Lims ID:	std100	Client ID:	
Inject. Date:	04-Nov-2011 19:29:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	std100		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	82884	Lims Sample ID:	8
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:26	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.952	5.937	0.015	14215423	102.1	
$ 2 2-Bromonaphthalene						
1	6.817	6.795	0.022	9233617	100.2	
$ 3 o-Terphenyl						
1	10.429	10.396	0.033	16741411	93.7	
$ 4 1-Chlorooctadecane						
2	14.007	13.980	0.027	14226897	92.8	
5 n-Nonane						
2	3.327	3.317	0.010	18211050	101.5	
6 n-Decane						
2	4.132	4.119	0.013	18796584	94.6	
7 Naphthalene						
1	4.707	4.693	0.014	17824535	100.7	
8 2-Methylnaphthalene						
1	5.478	5.462	0.016	17223002	100.4	
9 Dodecane						
2	5.692	5.681	0.011	18661498	98.7	
11 Acenaphthylene						
1	6.630	6.606	0.024	16998474	95.0	
12 Acenaphthene						
1	6.913	6.882	0.031	16941685	95.0	
15 n-Tetradecane						
2	7.355	7.342	0.013	18072917	92.5	
14 Fluorene						
1	7.727	7.693	0.034	16764188	96.9	

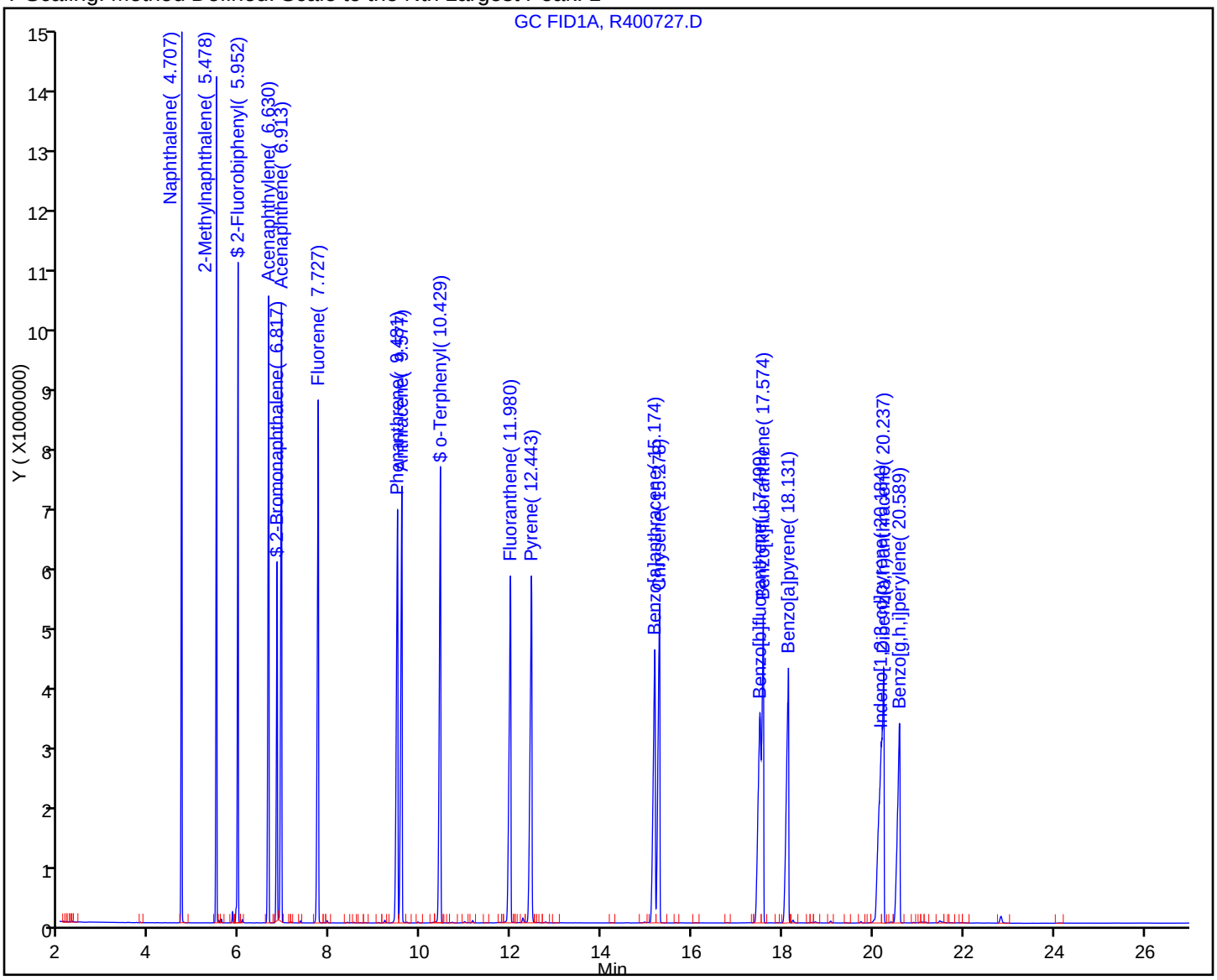
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.266	9.246	0.020	17883375	97.2	
16 Phenanthrene						
1	9.481	9.440	0.041	16211326	98.0	
17 Anthracene						
1	9.577	9.527	0.050	15941768	103.2	
20 n-Octadecane						
2	11.246	11.222	0.024	17579906	96.4	
19 Fluoranthene						
1	11.980	11.930	0.050	15541500	98.5	
22 C19						
2	12.217	12.192	0.025	17308446	97.6	
21 Pyrene						
1	12.443	12.390	0.053	16246645	96.6	
23 icosane						
2	13.163	13.135	0.028	16639428	94.6	
27 n-Docosane						
2	14.959	14.927	0.032	16360413	93.2	
24 Benzo[a]anthracene						
1	15.174	15.112	0.062	14348101	102.5	
25 Chrysene						
1	15.278	15.202	0.076	14904263	103.0	
28 n-Tetracosane						
2	16.623	16.592	0.031	16666913	93.5	
29 Benzo[b]fluoranthene						
1	17.499	17.427	0.072	15091168	108.5	
30 Benzo[k]fluoranthene						
1	17.574	17.477	0.097	13531770	101.2	
31 Benzo[a]pyrene						M
1	18.131	18.042	0.089	14650836	103.5	M
32 n-Hexacosane						
2	18.171	18.139	0.032	16975846	100.5	
35 n-Octacosane						
2	19.607	19.577	0.030	17077930	90.1	
33 Indeno[1,2,3-cd]pyrene						
1	20.184	20.073	0.111	12858055	100.4	
34 Dibenz(a,h)anthracene						M
1	20.237	20.145	0.092	12770021	102.3	M
36 Benzo[g,h,i]perylene						
1	20.589	20.482	0.107	12555380	100.5	
37 Triacontane						
2	20.954	20.918	0.036	17192252	94.3	
38 n-Hexatriacontane						
2	25.568	25.512	0.056	13851517	90.8	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		116436741	589.0	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		264970279	1698.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	140145386	674.4	
S 44 EPH Adjustment 1						
1					1503.4	
S 42 C11-C22 Aromatics (Adjusted)						
2					196.3	
S 43 Total EPH						
2					1459.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:26 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D
Injection Date: 04-Nov-2011 19:29:41 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 82884 Lims Sample ID: 8
Operator ID: CT Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Report Date: 08-Nov-2011 10:47:26 Chrom Revision: 2.0 29-Sep-2011 09:38:02

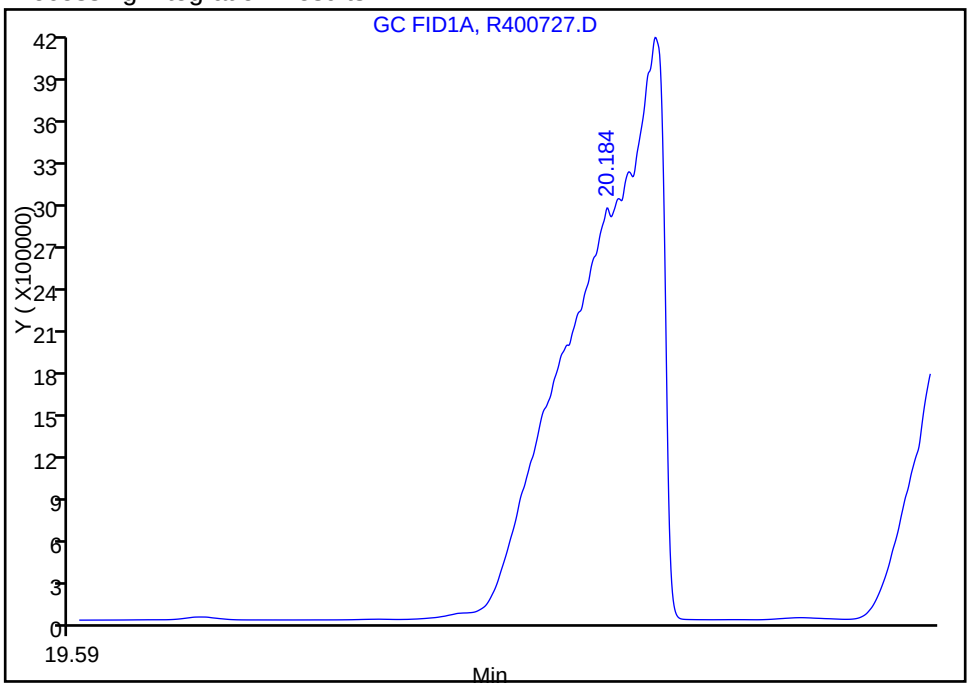
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Injection Date:	04-Nov-2011 19:29:41	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	1.00 ul

34 Dibenz(a,h)anthracene, Signal: 1, Type: quant, RT: 20.14, Det: GC FID1A

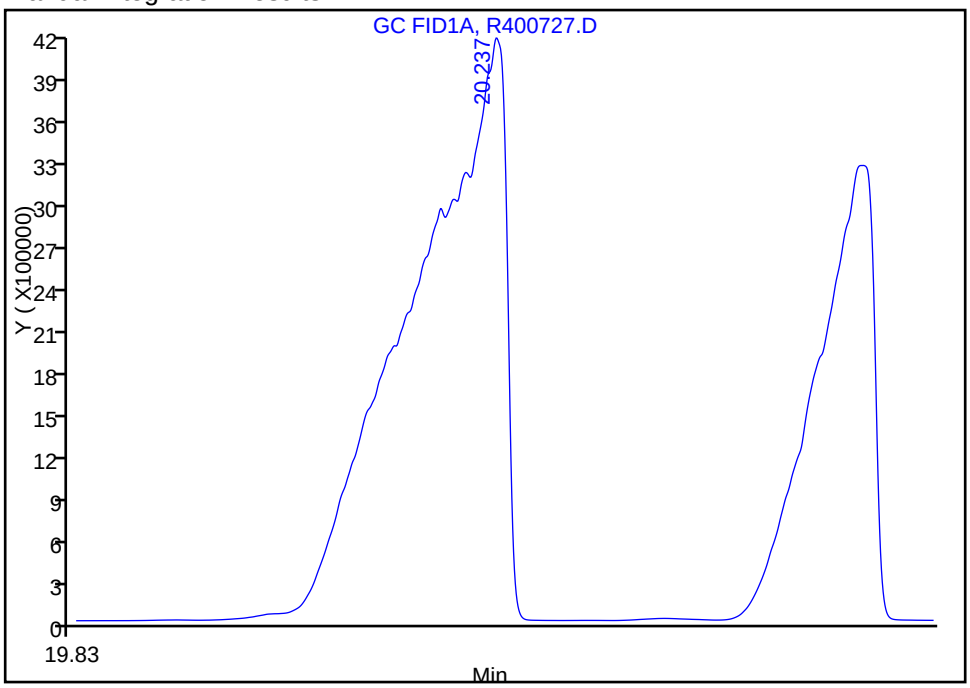
Processing Integration Results

RT: 20.18
Response: 12858055
Amount: 102.6048



Manual Integration Results

RT: 20.24
Response: 12770021
Amount: 102.2942



Reviewer: malanowskiv, 08-Nov-2011 10:09:42
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

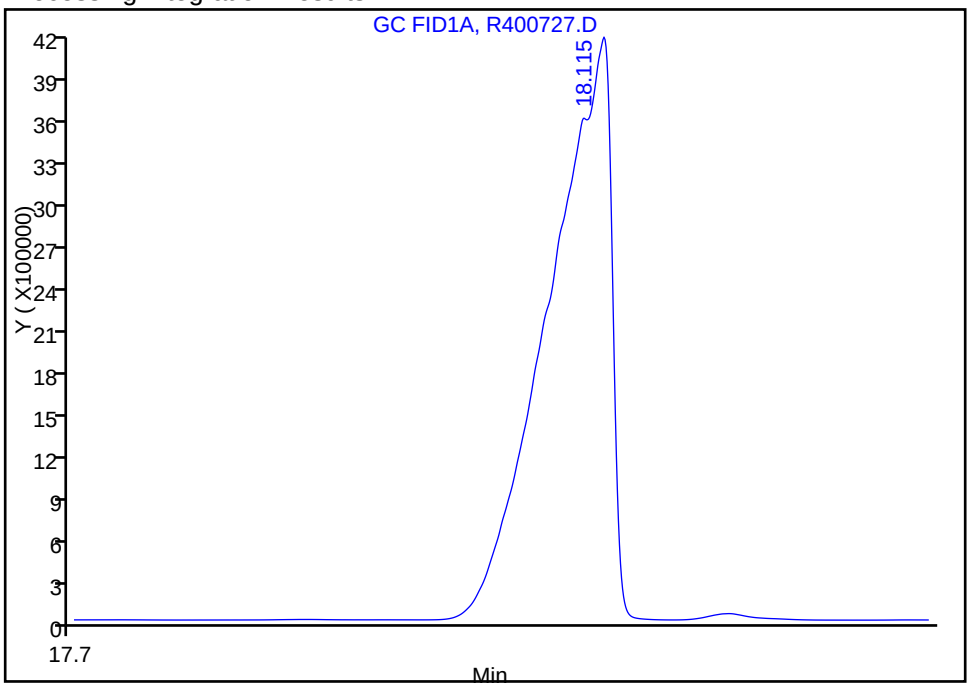
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Injection Date:	04-Nov-2011 19:29:41	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	1.00 ul

31 Benzo[a]pyrene, Signal: 1, Type: quant, RT: 18.04, Det: GC FID1A

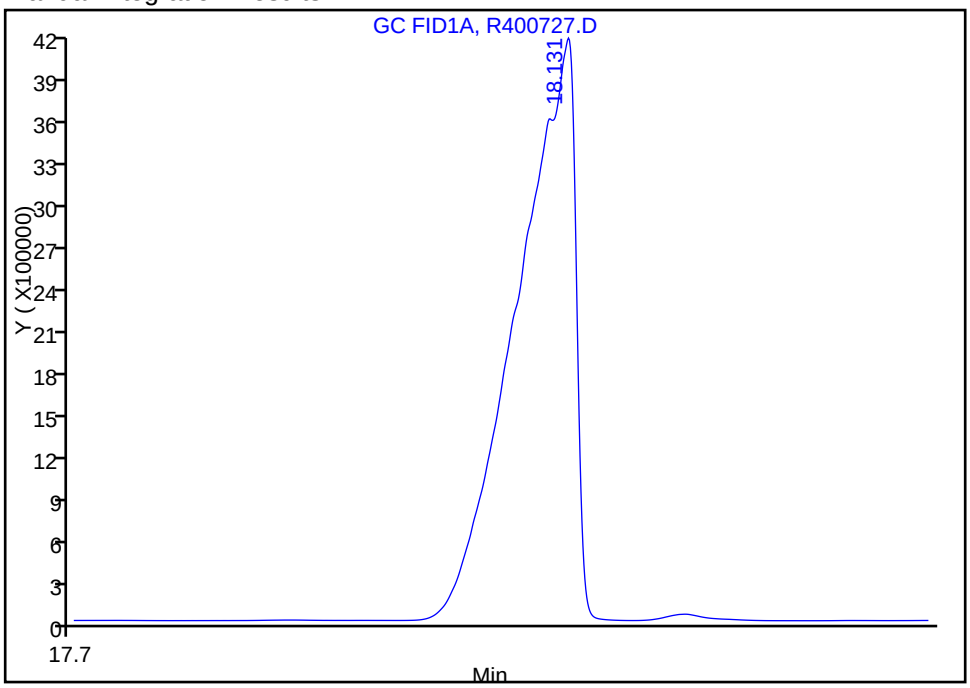
Processing Integration Results

RT: 18.11
Response: 9262129
Amount: 91.625759



Manual Integration Results

RT: 18.13
Response: 14650836
Amount: 103.4970



Reviewer: malanowskiv, 06-Nov-2011 12:29:30
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Lims ID:	std200	Client ID:	
Inject. Date:	04-Nov-2011 20:03:23	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	std200		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	82884	Lims Sample ID:	9
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:49	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.963	5.937	0.026	27219328	191.3	
$ 2 2-Bromonaphthalene						
1	6.832	6.795	0.037	18004776	191.3	
$ 3 o-Terphenyl						
1	10.450	10.396	0.054	31401850	175.7	
$ 4 1-Chlorooctadecane						
2	14.026	13.980	0.046	27871700	181.8	
5 n-Nonane						
2	3.332	3.317	0.015	35355401	197.2	
6 n-Decane						
2	4.142	4.119	0.023	36501217	183.7	
7 Naphthalene						
1	4.718	4.693	0.025	34019279	192.1	
8 2-Methylnaphthalene						
1	5.490	5.462	0.028	32899396	191.7	
9 Dodecane						
2	5.700	5.681	0.019	36255572	191.8	
11 Acenaphthylene						
1	6.646	6.606	0.040	32474003	181.6	
12 Acenaphthene						
1	6.934	6.882	0.052	32643392	183.1	
15 n-Tetradecane						
2	7.367	7.342	0.025	35180388	180.1	
14 Fluorene						
1	7.746	7.693	0.053	32103683	185.6	

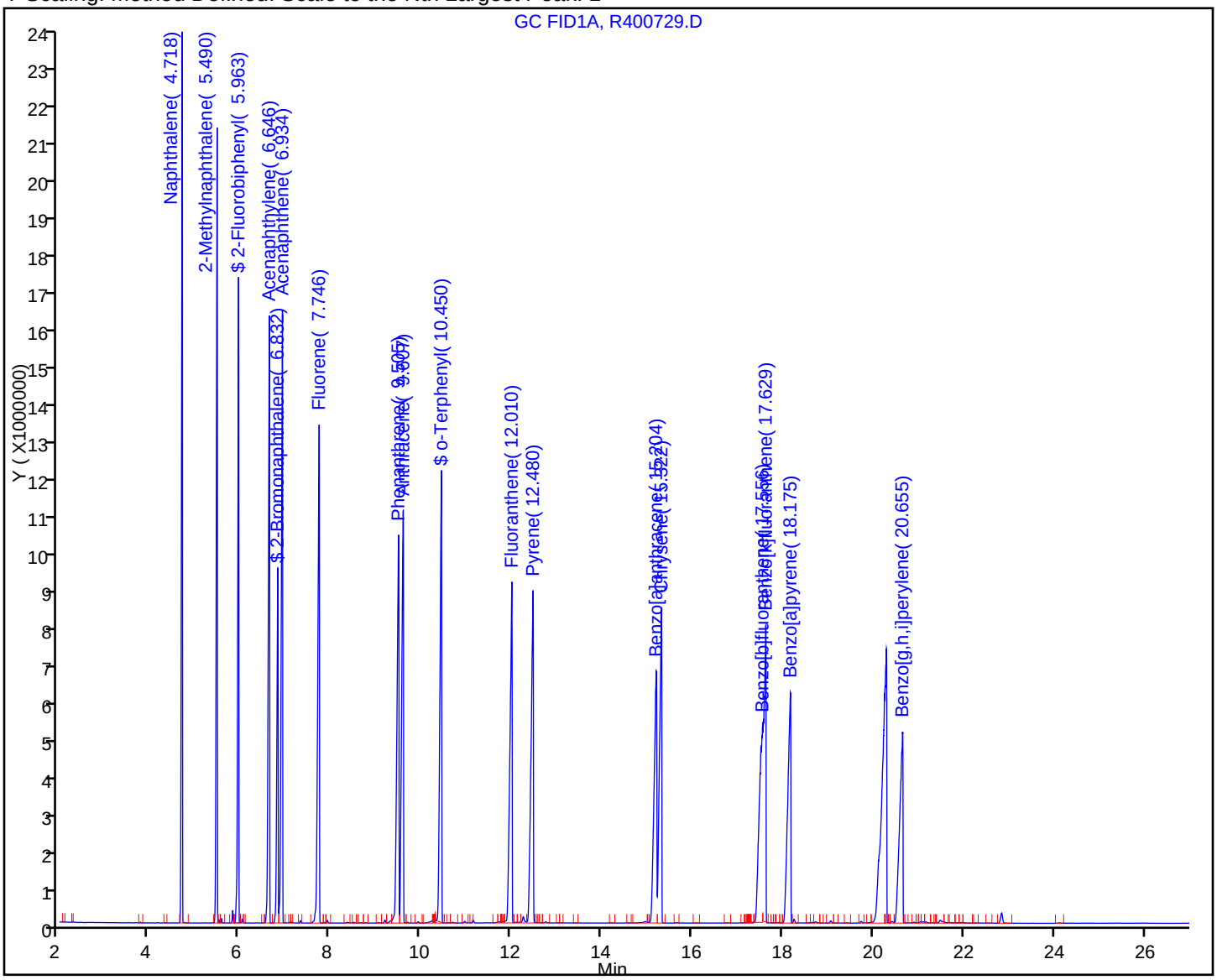
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.280	9.246	0.034	34884004	189.6	
16 Phenanthrene						
1	9.505	9.440	0.065	31316706	189.3	
17 Anthracene						
1	9.607	9.527	0.080	30036930	194.6	
20 n-Octadecane						
2	11.265	11.222	0.043	34238156	187.7	
19 Fluoranthene						
1	12.010	11.930	0.080	29525692	187.2	
22 C19						
2	12.239	12.192	0.047	33765177	190.4	
21 Pyrene						
1	12.480	12.390	0.090	30819194	183.2	
23 icosane						
2	13.185	13.135	0.050	31423185	178.7	
27 n-Docosane						
2	14.979	14.927	0.052	32476339	185.0	
24 Benzo[a]anthracene						
1	15.204	15.112	0.092	27510479	196.5	
25 Chrysene						
1	15.322	15.202	0.120	28166036	194.7	
28 n-Tetracosane						
2	16.645	16.592	0.053	32590752	182.8	
29 Benzo[b]fluoranthene						M
1	17.556	17.427	0.129	26645481	191.6	M
30 Benzo[k]fluoranthene						M
1	17.629	17.477	0.152	25896085	194.1	M
31 Benzo[a]pyrene						
1	18.175	18.042	0.133	27713144	195.9	
32 n-Hexacosane						
2	18.191	18.139	0.052	33162196	196.4	
35 n-Octacosane						
2	19.630	19.577	0.053	33519195	176.8	
36 Benzo[g,h,i]perylene						M
1	20.655	20.482	0.173	25161350	201.6	M
37 Triacontane						
2	20.977	20.918	0.059	33854159	185.7	
38 n-Hexatriacontane						M
2	25.616	25.512	0.104	27729888	181.9	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		226814494	1184.9	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		506951589	3252.1	
A 41 C19-C36 Aliphatics						
2	18.544	11.322 - 25.765		270729533	1302.8	
S 43 Total EPH						
2					2877.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 42 C11-C22 Aromatics (Adjusted)						
2					389.4	
S 44 EPH Adjustment 1						
1					2862.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:50 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D
Injection Date: 04-Nov-2011 20:03:23 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 82884 Lims Sample ID: 9
Operator ID: CT Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



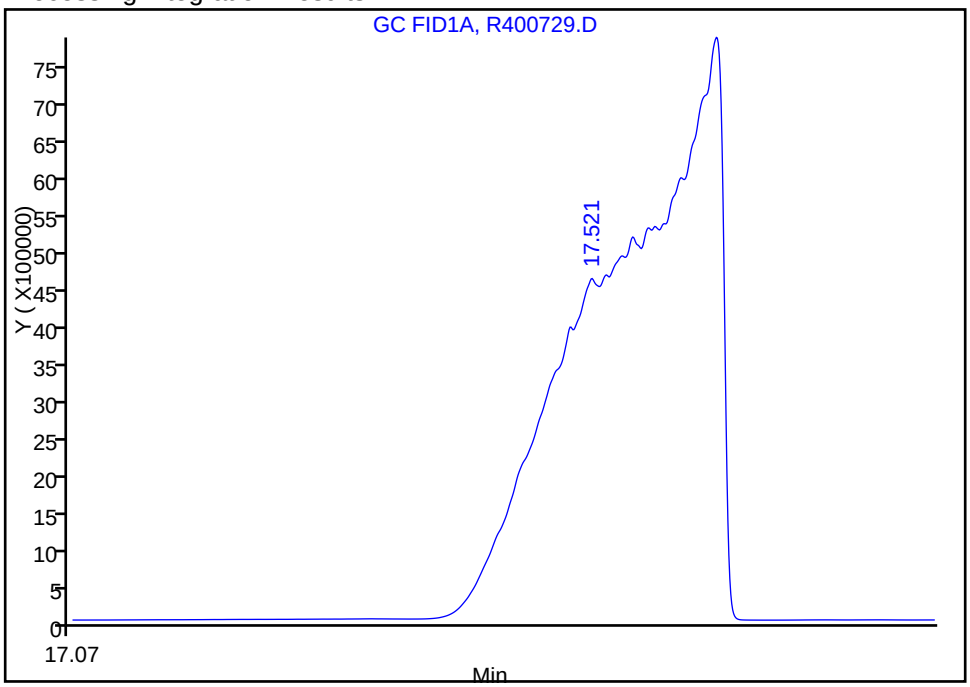
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

29 Benzo[b]fluoranthene, Signal: 1, Type: quant, RT: 17.43, Det: GC FID1A

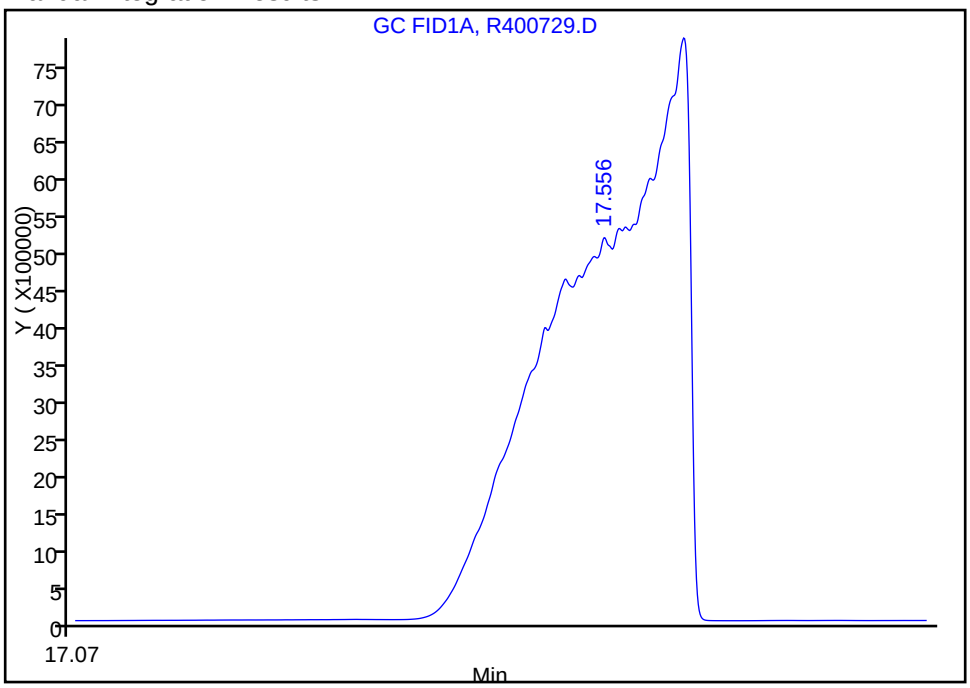
Processing Integration Results

RT: 17.52
Response: 16960952
Amount: 150.4847



Manual Integration Results

RT: 17.56
Response: 26645481
Amount: 191.6333



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Split Peak

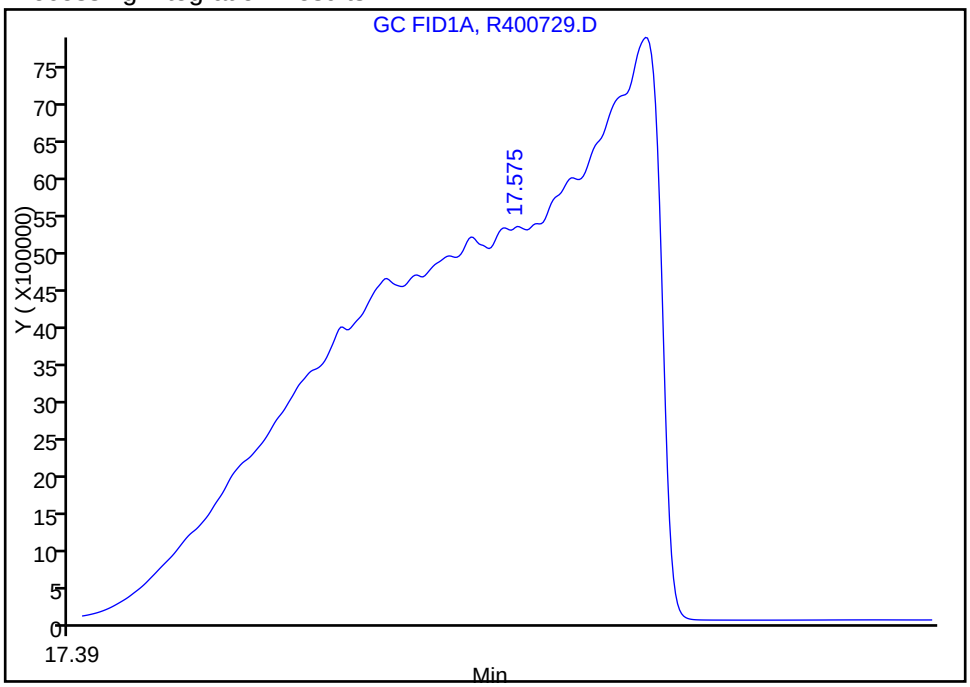
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

30 Benzo[k]fluoranthene, Signal: 1, Type: quant, RT: 17.48, Det: GC FID1A

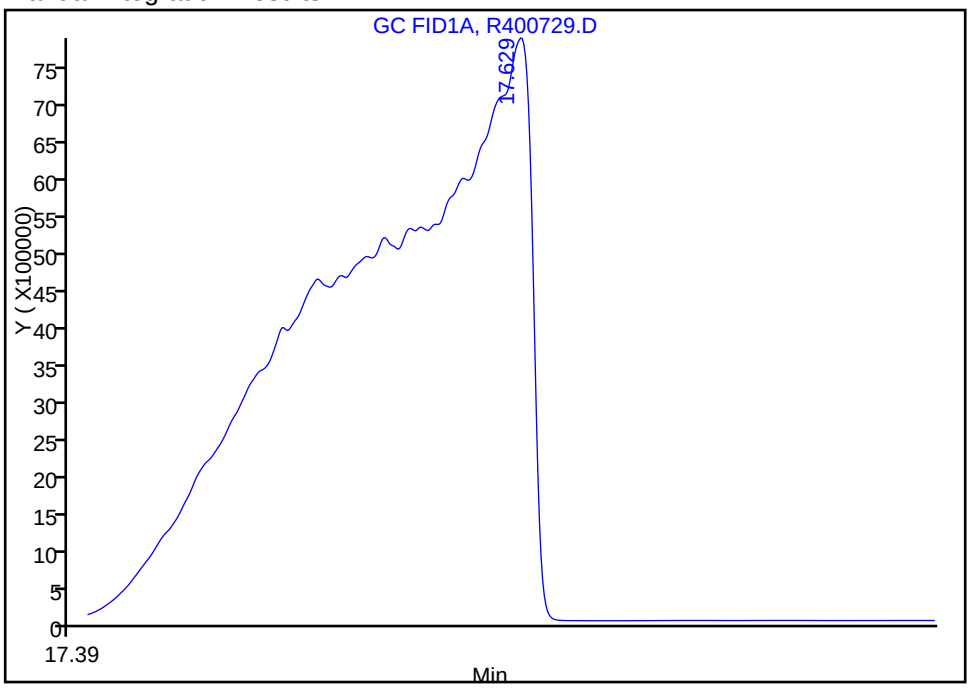
Processing Integration Results

RT: 17.57
Response: 4923532
Amount: 23.493863



Manual Integration Results

RT: 17.63
Response: 25896085
Amount: 194.0889



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Split Peak

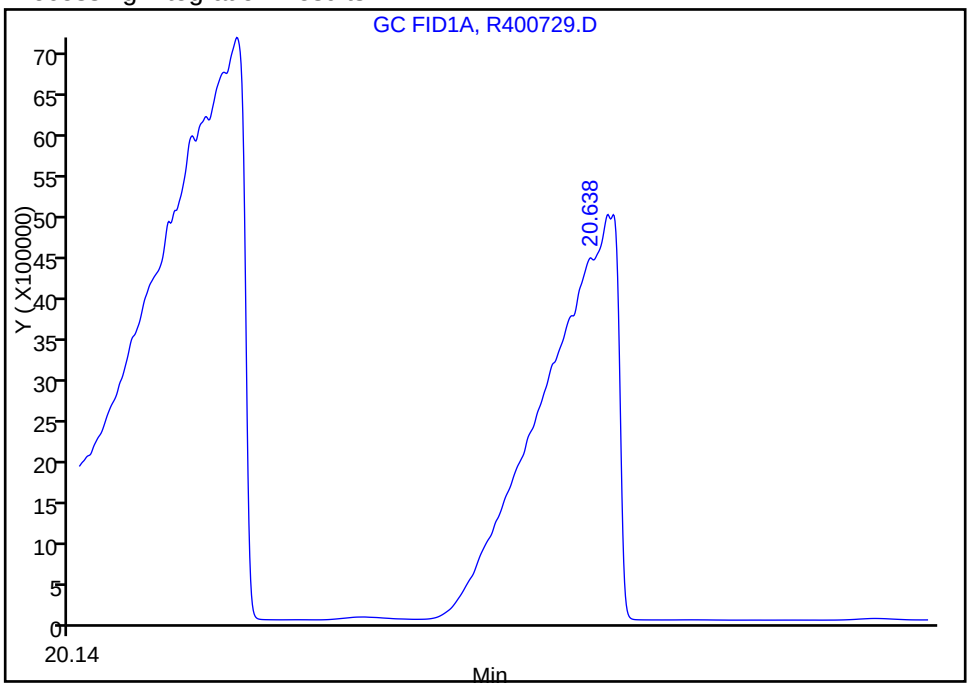
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

36 Benzo[g,h,i]perylene, Signal: 1, Type: quant, RT: 20.48, Det: GC FID1A

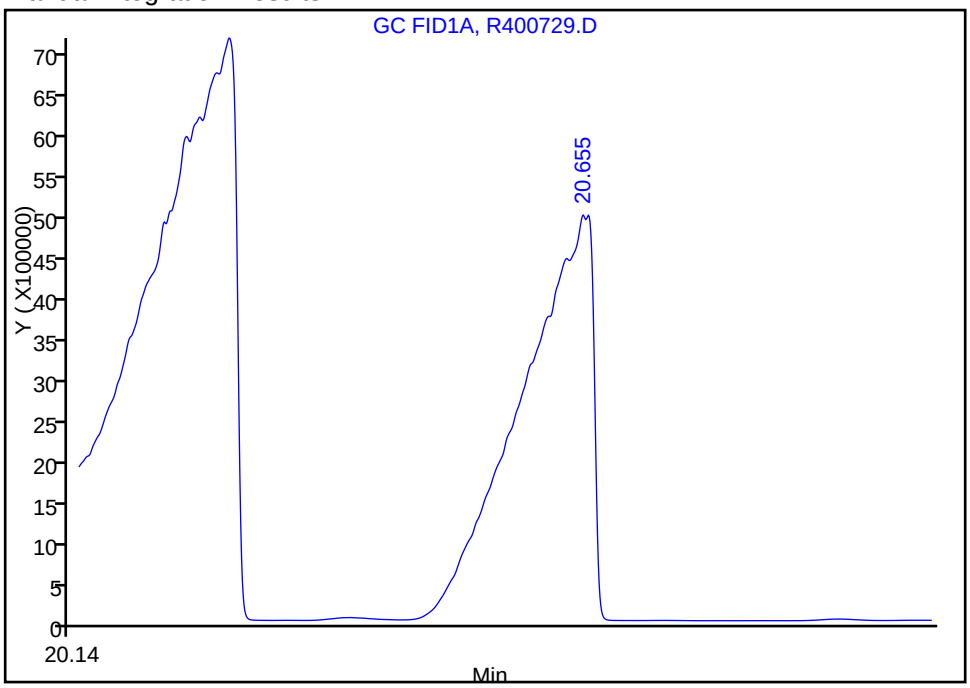
Processing Integration Results

RT: 20.64
Response: 17526649
Amount: 195.8829



Manual Integration Results

RT: 20.65
Response: 25161350
Amount: 201.5884



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 82884

SDG No.:

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16337

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82884/2	R400713.D
Level 2	STD05 360-82884/3	R400715.D
Level 3	STD1 360-82884/4	R400717.D
Level 4	STD5 360-82884/5	R400719.D
Level 5	STD10 360-82884/6	R400721.D
Level 6	STD25 360-82884/7	R400723.D
Level 7	STD50 360-82884/1	R400725.D
Level 8	STD100 360-82884/8	R400727.D
Level 9	STD200 360-82884/9	R400729.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8	LVL 9		RT WINDOW	AVG RT
n-Nonane	3.315	3.316	3.316	3.317	3.317	3.318	3.322	3.327	3.332		3.217 - 3.417	3.320
n-Decane	4.118	4.119	4.120	4.119	4.121	4.122	4.127	4.132	4.142		4.019 - 4.219	4.124
Dodecane	5.681	5.681	5.681	5.681	5.682	5.683	5.687	5.692	5.700		5.581 - 5.781	5.685
C9-C18 Aliphatics				7.278	7.269	7.269	7.278	7.269	7.269		3.217 - 11.322	7.272
n-Tetradecane	7.340	7.344	7.341	7.342	7.343	7.345	7.350	7.355	7.367		7.242 - 7.442	7.347
Hexadecane	9.246	9.246	9.245	9.246	9.246	9.251	9.255	9.266	9.280		9.146 - 9.346	9.253
n-Octadecane	11.223	11.225	11.221	11.222	11.223	11.230	11.235	11.246	11.265		11.122 - 11.322	11.232
C19	12.189	12.192	12.191	12.192	12.194	12.198	12.205	12.217	12.239		12.092 - 12.292	12.202
icosane	13.133	13.135	13.133	13.135	13.136	13.142	13.148	13.163	13.185		13.035 - 13.235	13.146
n-Docosane	14.928	14.930	14.925	14.927	14.928	14.935	14.942	14.959	14.979		14.827 - 15.027	14.939
n-Tetracosane	16.593	16.593	16.591	16.592	16.594	16.600	16.607	16.623	16.645		16.492 - 16.692	16.604
n-Hexacosane	18.139	18.139	18.134	18.139	18.138	18.147	18.155	18.171	18.191		18.039 - 18.239	18.150
C19-C36 Aliphatics				18.538	18.544	18.544	18.564	18.544	18.544		11.322 - 25.765	18.546
n-Octacosane	19.577	19.575	19.576	19.577	19.579	19.583	19.592	19.607	19.630		19.477 - 19.677	19.588
Triacontane	20.919	20.916	20.914	20.918	20.920	20.926	20.937	20.954	20.977		20.818 - 21.018	20.931
n-Hexatriacontane	25.486	25.515	25.510	25.512	25.519	25.527	25.541	25.568	25.616		25.412 - 25.612	25.533
1-Chlorooctadecane	13.977	13.980	13.979	13.980	13.981	13.984	13.993	14.007	14.026		13.880 - 14.080	13.990

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 82884

SDG No.:

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16337

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82884/2	R400713.D
Level 2	STD05 360-82884/3	R400715.D
Level 3	STD1 360-82884/4	R400717.D
Level 4	STD5 360-82884/5	R400719.D
Level 5	STD10 360-82884/6	R400721.D
Level 6	STD25 360-82884/7	R400723.D
Level 7	STD50 360-82884/1	R400725.D
Level 8	STD100 360-82884/8	R400727.D
Level 9	STD200 360-82884/9	R400729.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
n-Nonane	456890 180909 176777	189006 175094	191340 185909	201737 182111	Lin1	24457.3774	179183.947							0.9990		0.9900
n-Decane	275030 186612 182506	177902 180153	198910 191207	208092 187966	Ave		198708.609				15.0		25.0			
Dodecane	214020 185272 181278	163898 179132	193561 191166	206428 186615	Ave		189041.031				7.9		25.0			
C9-C18 Aliphatics	 276760 189012	238121	228490	442927 194061	Lin1	7327623.85	185232.509							0.9970		0.9900
n-Tetradecane	288680 180416 175902	173352 175106	195113 186465	201806 180729	Ave		195285.459				19.0		25.0			
Hexadecane	219240 178381 174420	158842 172982	188032 185363	199426 178834	Ave		183946.688				9.4		25.0			
n-Octadecane	225440 175195 171191	158126 170837	186018 182747	196246 175799	Ave		182399.936				11.0		25.0			
C19	206050 172327 168826	153526 168155	181606 180103	192576 173084	Ave		177361.527				8.6		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 82884

SDG No.:

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16337

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
icosane	221480 171834 157116	152042 165404	179530 178284	190162 166394	Ave		175805.081				12.0		25.0			
n-Docosane	214730 170775 162382	155450 166205	181581 173760	191565 163604	Ave		175561.298				10.0		25.0			
n-Tetracosane	232280 169594 162954	155662 166261	185952 174453	190948 166669	Ave		178308.128				13.0		25.0			
n-Hexacosane	328970 170775 165811	168958 168136	196881 178366	193968 169758	Lin1	16630.0871	168799.658							0.9990		0.9900
C19-C36 Aliphatics	217612 169206	200356	188987	295500 175182	Ave		207807.208				22.0		25.0			
n-Octacosane	298340 170364 167596	164868 168860	195174 177827	192946 170779	Ave		189639.377				22.0		25.0			
Triacontane	249730 170041 169271	155850 167432	186927 177735	191570 171923	Ave		182275.375				15.0		25.0			
n-Hexatriacontane	184440 147636 138649	160840 141465	158822 138648	163305 138515	Ave		152480.161				10.0		25.0			
1-Chlorooctadecane	191770 149364 139359	133362 145671	157720 153388	167191 142269	Ave		153343.623				11.0		25.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 82884

SDG No.:

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16337

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 360-82884/2	R400713.D
Level 2	STD05 360-82884/3	R400715.D
Level 3	STD1 360-82884/4	R400717.D
Level 4	STD5 360-82884/5	R400719.D
Level 5	STD10 360-82884/6	R400721.D
Level 6	STD25 360-82884/7	R400723.D
Level 7	STD50 360-82884/1	R400725.D
Level 8	STD100 360-82884/8	R400727.D
Level 9	STD200 360-82884/9	R400729.D

ANALYTE	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-Nonane	Lin1	45689 4377354	94503 9295434	191340 18211050	1008687 35355401	1809092	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Decane	Ave	27503 4503826	88951 9560336	198910 18796584	1040458 36501217	1866122	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Dodecane	Ave	21402 4478288	81949 9558276	193561 18661498	1032141 36255572	1852722	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C9-C18 Aliphatics	Lin1	 35718196	 68546958	 116436741	13287798 226814494	16605628	 150	 300	 600	30.0 1200	60.0
n-Tetradecane	Ave	28868 4377639	86676 9323243	195113 18072917	1009032 35180388	1804162	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
Hexadecane	Ave	21924 4324561	79421 9268169	188032 17883375	997130 34884004	1783806	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Octadecane	Ave	22544 4270937	79063 9137355	186018 17579906	981231 34238156	1751948	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C19	Ave	20605 4203875	76763 9005170	181606 17308446	962882 33765177	1723266	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
icosane	Ave	22148 4135090	76021 8914211	179530 16639428	950809 31423185	1718339	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Docosane	Ave	21473 4155128	77725 8687987	181581 16360413	957825 32476339	1707750	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Tetracosane	Ave	23228 4156516	77831 8722666	185952 16666913	954740 32590752	1695943	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Hexacosane	Lin1	32897 4203409	84479 8918317	196881 16975846	969840 33162196	1707752	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
C19-C36 Aliphatics	Ave	 40071233	 75594611	 140145386	11820018 270729533	17408993	 200	 400	 800	40.0 1600	80.0
n-Octacosane	Ave	29834 4221496	82434 8891374	195174 17077930	964729 33519195	1703640	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Westfield Job No.: 360-37913-1 Analy Batch No.: 82884

SDG No.:

Instrument ID: INST R GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 15:33 Calibration End Date: 11/04/2011 20:03 Calibration ID: 16337

ANALYTE	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
Triacontane	Ave	24973 4185801	77925 8886731	186927 17192252	957852 33854159	1700410	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
n-Hexatriacontane	Ave	18444 3536636	80420 6932405	158822 13851517	816525 27729888	1476363	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0
1-Chlorooctadecane	Ave	19177 3641764	66681 7669384	157720 14226897	835953 27871700	1493643	0.100 25.0	0.500 50.0	1.00 100	5.00 200	10.0

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D		
Lims ID:	std50	Client ID:	
Inject. Date:	04-Nov-2011 18:55:49	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	7
Sample ID:	std50		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	82884	Lims Sample ID:	1
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:40:24	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.944	5.944	0.000	7170019	53.5	
$ 2 2-Bromonaphthalene						
1	6.805	6.805	0.000	4779655	53.9	
$ 3 o-Terphenyl						
1	10.413	10.413	0.000	8717574	48.8	
$ 4 1-Chlorooctadecane						
2	13.993	13.993	0.000	7669384	50.0	
5 n-Nonane						
2	3.322	3.322	0.000	9295434	51.7	
6 n-Decane						
2	4.127	4.127	0.000	9560336	48.1	
7 Naphthalene						
1	4.700	4.700	0.000	9168968	51.8	
8 2-Methylnaphthalene						
1	5.470	5.470	0.000	8876927	51.7	
9 Dodecane						
2	5.687	5.687	0.000	9558276	50.6	
11 Acenaphthylene						
1	6.618	6.618	0.000	8785393	49.1	
12 Acenaphthene						
1	6.897	6.897	0.000	8820338	49.5	
15 n-Tetradecane						
2	7.350	7.350	0.000	9323243	47.7	
14 Fluorene						
1	7.711	7.711	0.000	8706313	50.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.255	9.255	0.000	9268169	50.4	
16 Phenanthrene						
1	9.462	9.462	0.000	8306539	50.2	
17 Anthracene						
1	9.554	9.554	0.000	8160943	52.8	
20 n-Octadecane						
2	11.235	11.235	0.000	9137355	50.1	
19 Fluoranthene						
1	11.957	11.957	0.000	7972047	50.5	
22 C19						
2	12.205	12.205	0.000	9005170	50.8	
21 Pyrene						
1	12.420	12.420	0.000	8369046	49.7	
23 icosane						
2	13.148	13.148	0.000	8914211	50.7	
27 n-Docosane						
2	14.942	14.942	0.000	8687987	49.5	
24 Benzo[a]anthracene						
1	15.147	15.147	0.000	7335836	52.3	
25 Chrysene						
1	15.245	15.245	0.000	7654542	52.8	
28 n-Tetracosane						
2	16.607	16.607	0.000	8722666	48.9	
29 Benzo[b]fluoranthene						
1	17.472	17.472	0.000	7176927	51.6	
30 Benzo[k]fluoranthene						
1	17.534	17.534	0.000	7420303	55.3	
31 Benzo[a]pyrene						
1	18.090	18.090	0.000	7396842	52.2	
32 n-Hexacosane						
2	18.155	18.155	0.000	8918317	52.7	
35 n-Octacosane						
2	19.592	19.592	0.000	8891374	46.9	
33 Indeno[1,2,3-cd]pyrene						
1	20.126	20.126	0.000	6798127	53.0	
34 Dibenz(a,h)anthracene						
1	20.196	20.196	0.000	6258006	50.0	
36 Benzo[g,h,i]perylene						
1	20.545	20.545	0.000	6392453	51.1	
37 Triacontane						
2	20.937	20.937	0.000	8886731	48.8	
38 n-Hexatriacontane						M
2	25.541	25.541	0.000	6932405	45.5	M
A 39 C9-C18 Aliphatics						
2	7.278	3.222 - 11.335		68546958	330.5	
A 40 C11-C22 Aromatics						
1	12.771	4.600 - 20.986		136971940	379.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.564	11.335	-25.742	75594611	363.8	
S 44 EPH Adjustment 1						
1					771.0	
S 42 C11-C22 Aromatics (Adjusted)						
2					107.6	
S 43 Total EPH						
2					801.9	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:40:25 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D

Injection Date:	04-Nov-2011 18:55:49	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	1
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



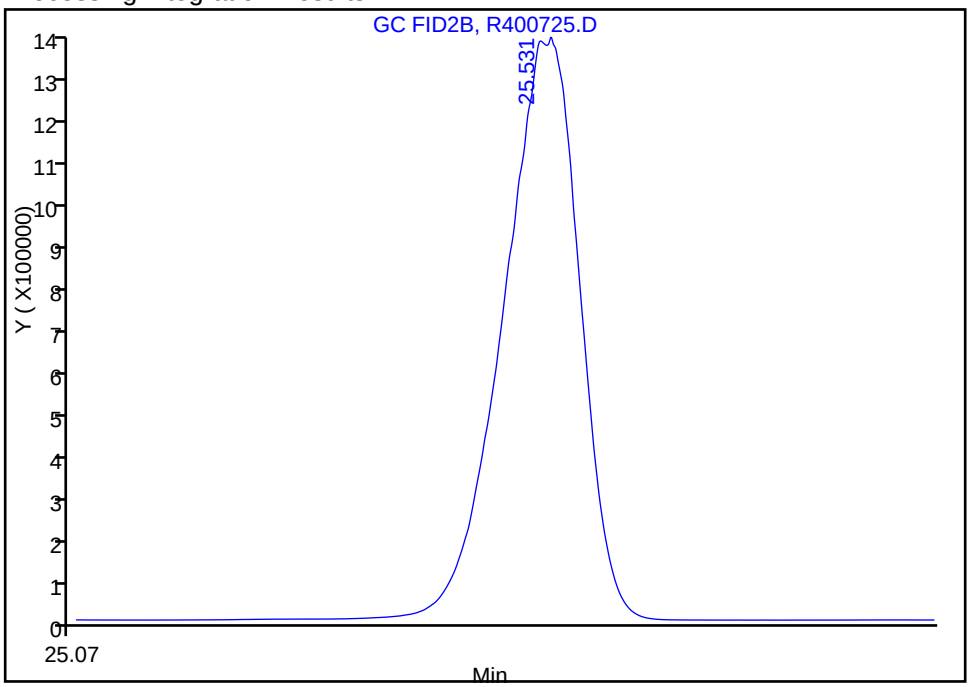
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400725.D		
Injection Date:	04-Nov-2011 18:55:49	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	1
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.54, Det: GC FID2B

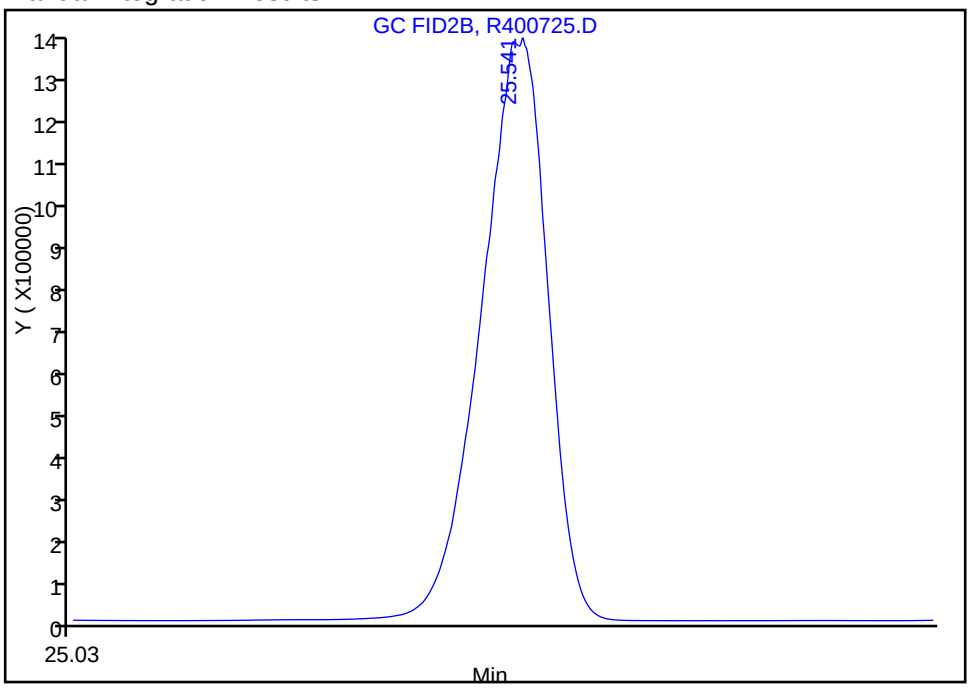
Processing Integration Results

RT: 25.53
Response: 1015796
Amount: 10.444685



Manual Integration Results

RT: 25.54
Response: 6932405
Amount: 45.464308



Reviewer: malanowskiv, 06-Nov-2011 11:58:13
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Lims ID:	std01	Client ID:	
Inject. Date:	04-Nov-2011 15:33:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	std01		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	82884	Lims Sample ID:	2
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:38:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:13

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	18282	0.1781	
$ 2 2-Bromonaphthalene						
1	6.797	6.807	-0.010	11706	0.1714	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	25354	0.1419	
$ 4 1-Chlorooctadecane						
2	13.977	13.989	-0.012	19177	0.1251	
5 n-Nonane						
2	3.315	3.320	-0.005	45689	0.1185	
6 n-Decane						
2	4.118	4.125	-0.007	27503	0.1384	
7 Naphthalene						
1	4.694	4.701	-0.007	19532	0.1103	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	18000	0.1049	
9 Dodecane						M
2	5.681	5.685	-0.004	21402	0.1132	M
11 Acenaphthylene						
1	6.604	6.620	-0.016	24837	0.1389	
12 Acenaphthene						
1	6.881	6.900	-0.019	23043	0.1293	
15 n-Tetradecane						
2	7.340	7.345	-0.005	28868	0.1478	
14 Fluorene						
1	7.695	7.711	-0.016	18975	0.1097	

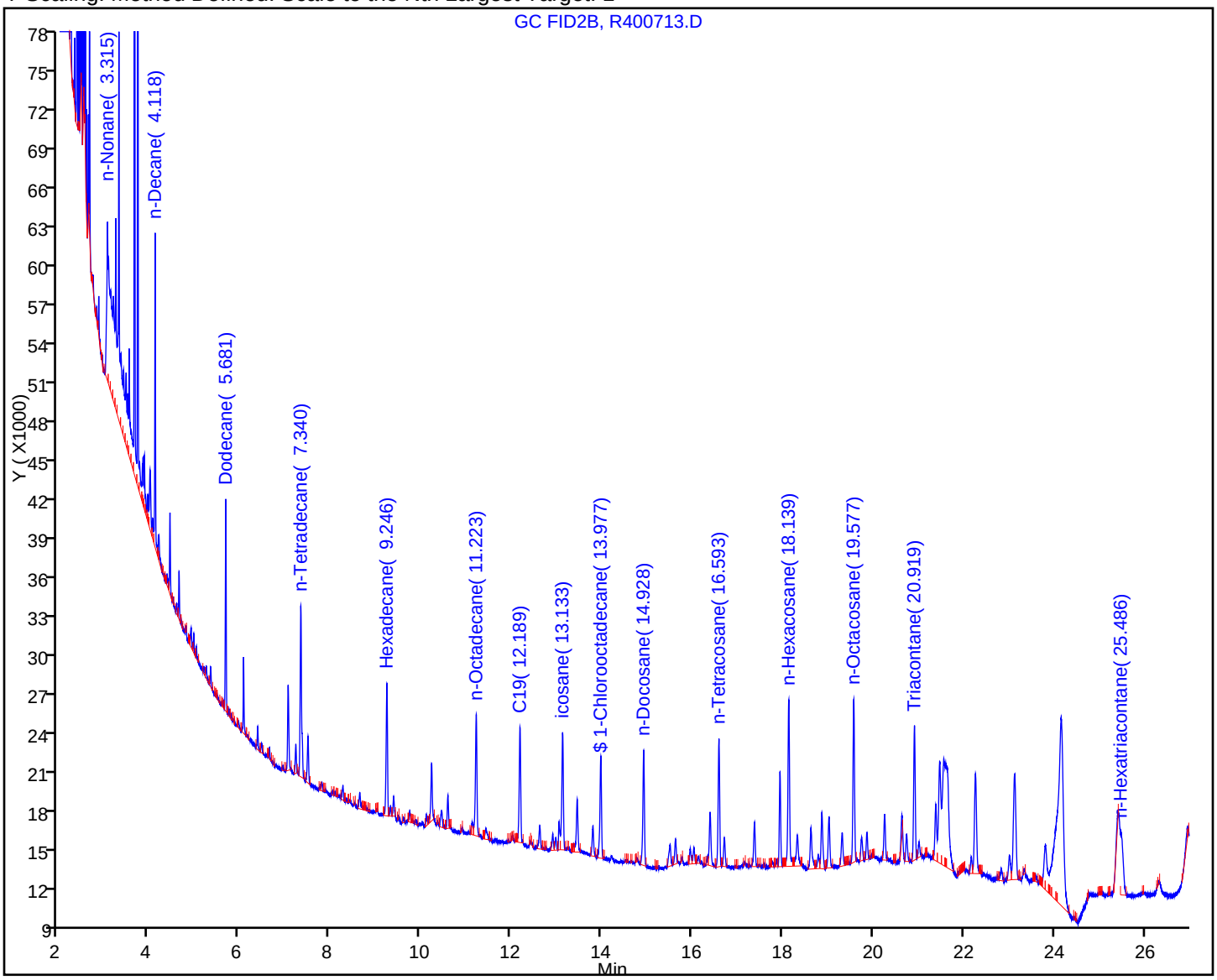
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	21924	0.1192	
16 Phenanthrene						
1	9.440	9.463	-0.023	21489	0.1299	
17 Anthracene						
1	9.531	9.555	-0.024	32084	0.1001	
20 n-Octadecane						
2	11.223	11.231	-0.008	22544	0.1236	
19 Fluoranthene						
1	11.927	11.959	-0.032	19850	0.1258	
22 C19						
2	12.189	12.202	-0.013	20605	0.1162	
21 Pyrene						
1	12.388	12.421	-0.033	20413	0.1213	
23 icosane						
2	13.133	13.145	-0.012	22148	0.1260	
27 n-Docosane						
2	14.928	14.940	-0.012	21473	0.1223	
24 Benzo[a]anthracene						
1	15.116	15.147	-0.031	27383	0.1182	
25 Chrysene						
1	15.203	15.245	-0.042	28963	0.0916	
28 n-Tetracosane						
2	16.593	16.605	-0.012	23228	0.1303	
29 Benzo[b]fluoranthene						
1	17.434	17.471	-0.037	29625	0.1247	
30 Benzo[k]fluoranthene						
1	17.473	17.537	-0.064	80561	0.1598	
31 Benzo[a]pyrene						
1	18.044	18.091	-0.047	28735	0.1087	
32 n-Hexacosane						
2	18.139	18.150	-0.011	32897	0.0964	
35 n-Octacosane						
2	19.577	19.586	-0.009	29834	0.1573	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.124	-0.051	40698	0.1742	
34 Dibenz(a,h)anthracene						
1	20.141	20.237	-0.096	38971	0.1495	
36 Benzo[g,h,i]perylene						
1	20.473	20.473	0.000	41002	0.1722	
37 Triacontane						
2	20.919	20.932	-0.013	24973	0.1370	
38 n-Hexatriacontane						M
2	25.486	25.525	-0.039	18444	0.1210	M
S 43 Total EPH						
2					-1.85	
S 42 C11-C22 Aromatics (Adjusted)						
2					1.85	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					1.85	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:38:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D
Injection Date: 04-Nov-2011 15:33:45 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 82884 Lims Sample ID: 2
Operator ID: CT Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Nov-2011 10:38:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02

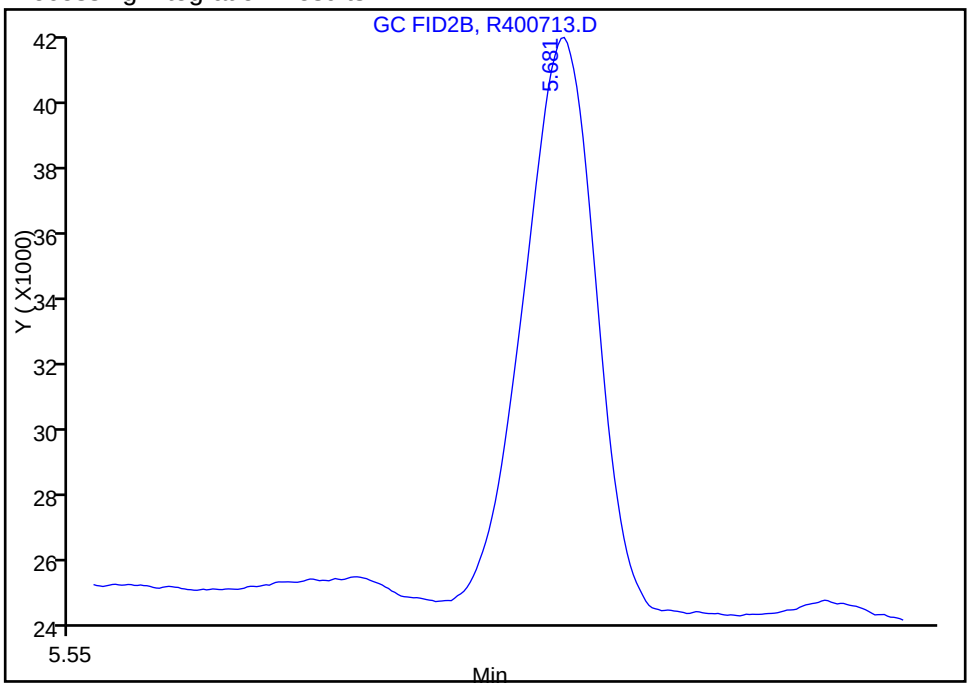
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Injection Date:	04-Nov-2011 15:33:45	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	1.00 ul

9 Dodecane, Signal: 1, Type: quant, RT: 5.68, Det: GC FID2B

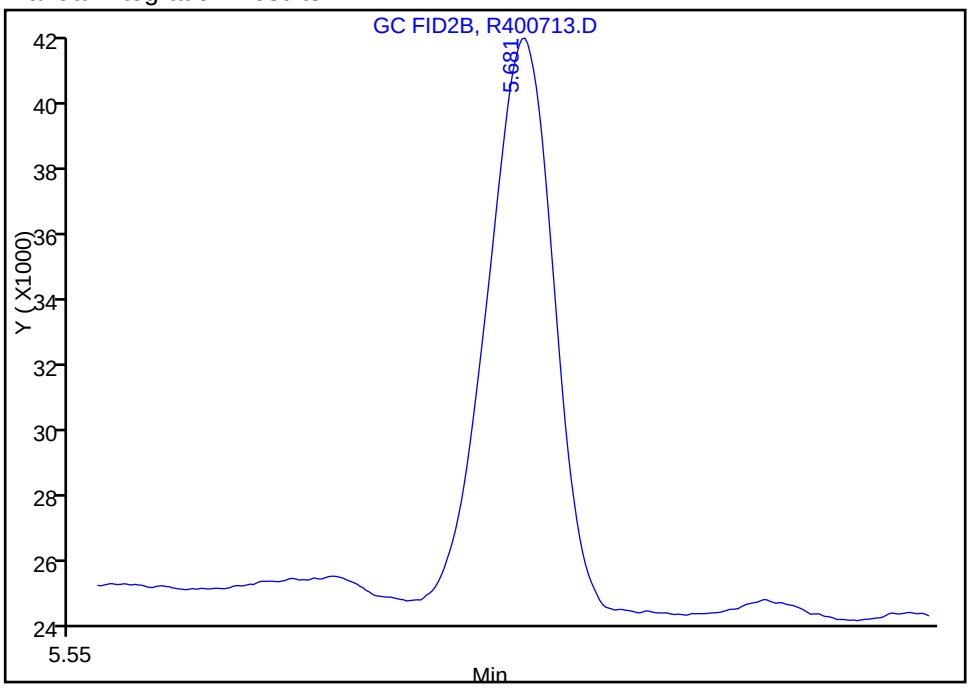
Processing Integration Results

RT: 5.68
Response: 12195
Amount: 0.100000



Manual Integration Results

RT: 5.68
Response: 21402
Amount: 0.113214



Reviewer: malanowskiv, 06-Nov-2011 12:03:33
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

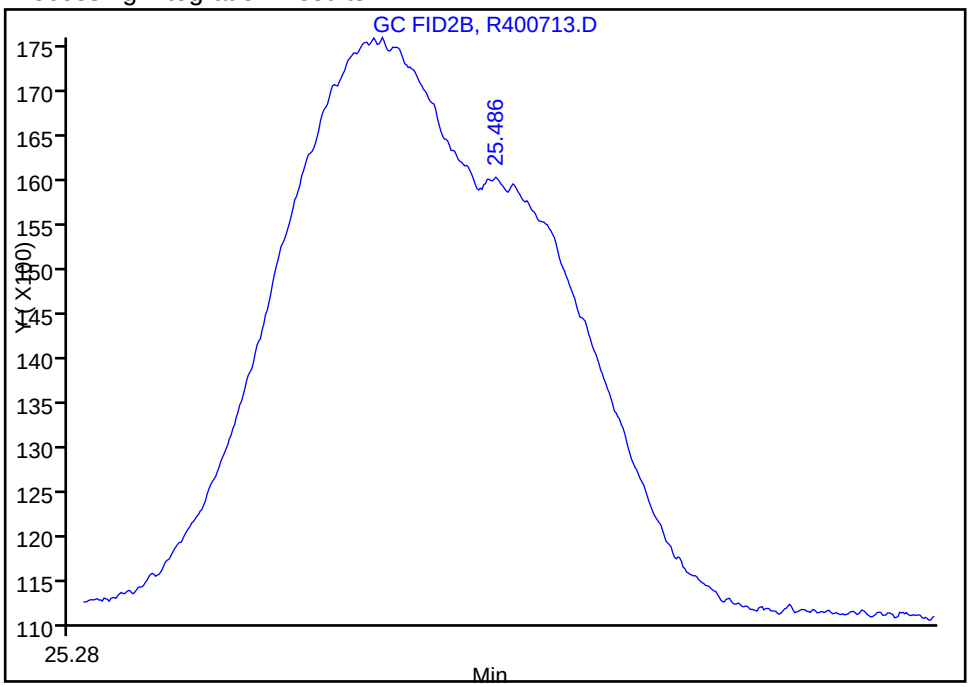
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400713.D		
Injection Date:	04-Nov-2011 15:33:45	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	2
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

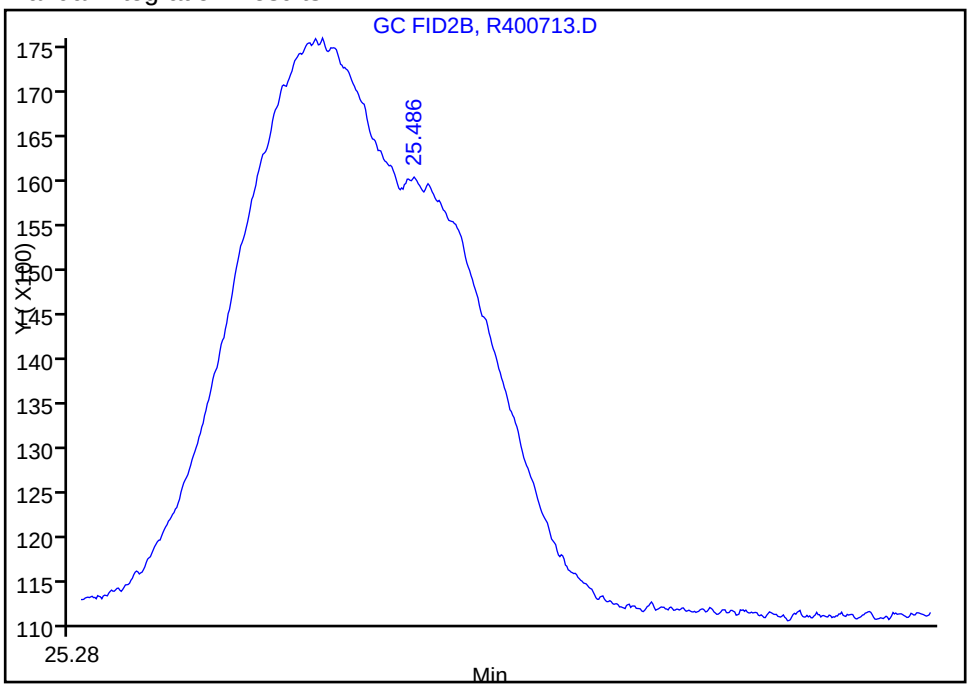
Processing Integration Results

RT: 25.49
Response: 265
Amount: 0.046840



Manual Integration Results

RT: 25.49
Response: 18444
Amount: 0.120960



Reviewer: malanowskiv, 06-Nov-2011 12:03:50
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Lims ID:	std05	Client ID:	
Inject. Date:	04-Nov-2011 16:07:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	std05		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	82884	Lims Sample ID:	3
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:21	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:21

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.946	-0.008	74812	0.6280	
$ 2 2-Bromonaphthalene						
1	6.795	6.807	-0.012	47825	0.6068	
$ 3 o-Terphenyl						
1	10.392	10.414	-0.022	96457	0.5397	
$ 4 1-Chlorooctadecane						
2	13.980	13.989	-0.009	66681	0.4348	
5 n-Nonane						
2	3.316	3.320	-0.004	94503	0.3909	
6 n-Decane						
2	4.119	4.125	-0.006	88951	0.4476	
7 Naphthalene						
1	4.694	4.701	-0.007	96134	0.5429	
8 2-Methylnaphthalene						
1	5.462	5.471	-0.009	96856	0.5644	
9 Dodecane						M
2	5.681	5.685	-0.004	81949	0.4335	M
11 Acenaphthylene						
1	6.605	6.620	-0.015	97461	0.5449	
12 Acenaphthene						
1	6.882	6.900	-0.018	97425	0.5465	
15 n-Tetradecane						
2	7.344	7.345	-0.001	86676	0.4438	
14 Fluorene						
1	7.693	7.711	-0.018	101986	0.5896	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.253	-0.007	79421	0.4318	
16 Phenanthrene						
1	9.439	9.463	-0.024	86158	0.5207	
17 Anthracene						
1	9.527	9.555	-0.028	93698	0.4994	
20 n-Octadecane						
2	11.225	11.231	-0.006	79063	0.4335	
19 Fluoranthene						
1	11.928	11.959	-0.031	83895	0.5318	
22 C19						
2	12.192	12.202	-0.010	76763	0.4328	
21 Pyrene						
1	12.389	12.421	-0.032	92906	0.5522	
23 icosane						
2	13.135	13.145	-0.010	76021	0.4324	
27 n-Docosane						
2	14.930	14.940	-0.010	77725	0.4427	
24 Benzo[a]anthracene						
1	15.114	15.147	-0.033	77608	0.4771	
25 Chrysene						
1	15.204	15.245	-0.041	92076	0.5282	
28 n-Tetracosane						
2	16.593	16.605	-0.012	77831	0.4365	
29 Benzo[b]fluoranthene						
1	17.430	17.471	-0.041	77826	0.4715	
30 Benzo[k]fluoranthene						
1	17.479	17.537	-0.058	96820	0.2820	
31 Benzo[a]pyrene						M
1	18.044	18.091	-0.047	87255	0.5225	M
32 n-Hexacosane						
2	18.139	18.150	-0.011	84479	0.4019	
35 n-Octacosane						
2	19.575	19.586	-0.011	82434	0.4347	
33 Indeno[1,2,3-cd]pyrene						
1	20.072	20.124	-0.052	64477	0.3601	
34 Dibenz(a,h)anthracene						M
1	20.145	20.237	-0.092	71105	0.4073	M
36 Benzo[g,h,i]perylene						
1	20.478	20.473	0.005	64698	0.3622	
37 Triacontane						
2	20.916	20.932	-0.016	77925	0.4275	
38 n-Hexatriacontane						
2	25.515	25.525	-0.010	80420	0.5274	
S 44 EPH Adjustment 1						
1					7.54	
S 42 C11-C22 Aromatics (Adjusted)						
2					7.54	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 43 Total EPH						
2					-7.54	

QC Flag Legend

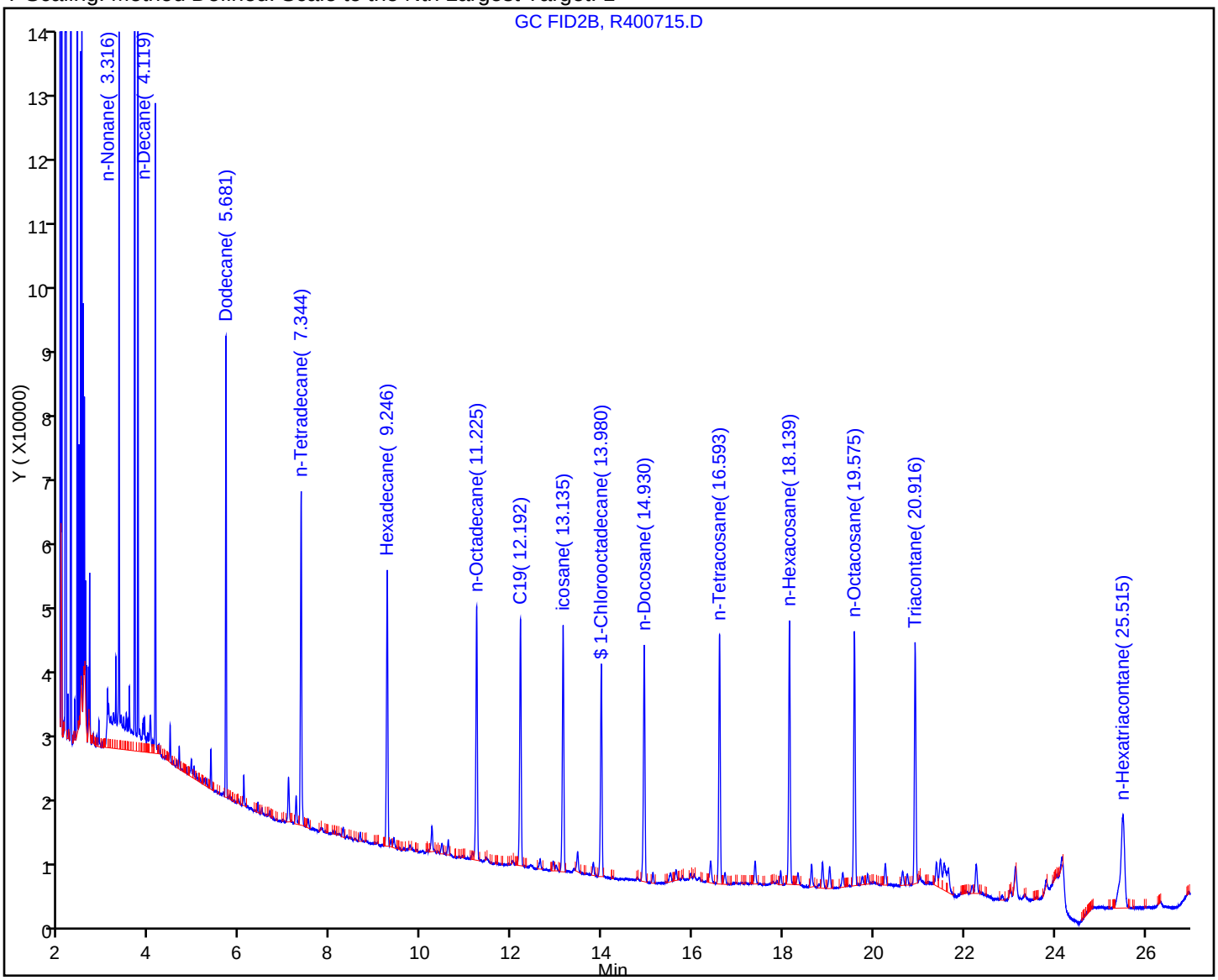
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:22 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D

Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



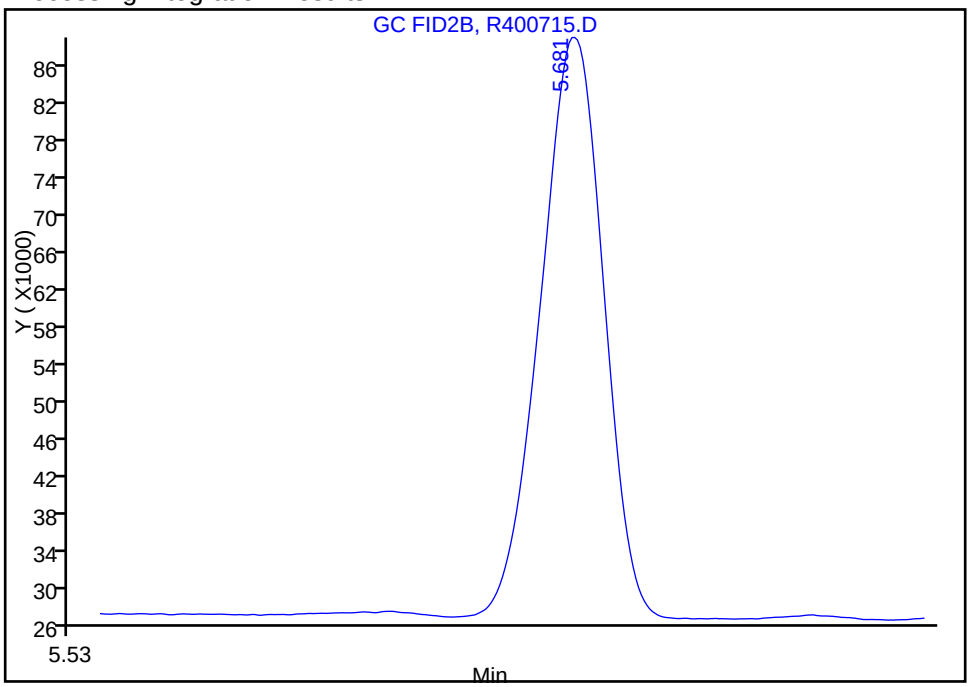
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400715.D		
Injection Date:	04-Nov-2011 16:07:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	3
Operator ID:	CT	Injection Vol:	1.00 ul

9 Dodecane, Signal: 1, Type: quant, RT: 5.68, Det: GC FID2B

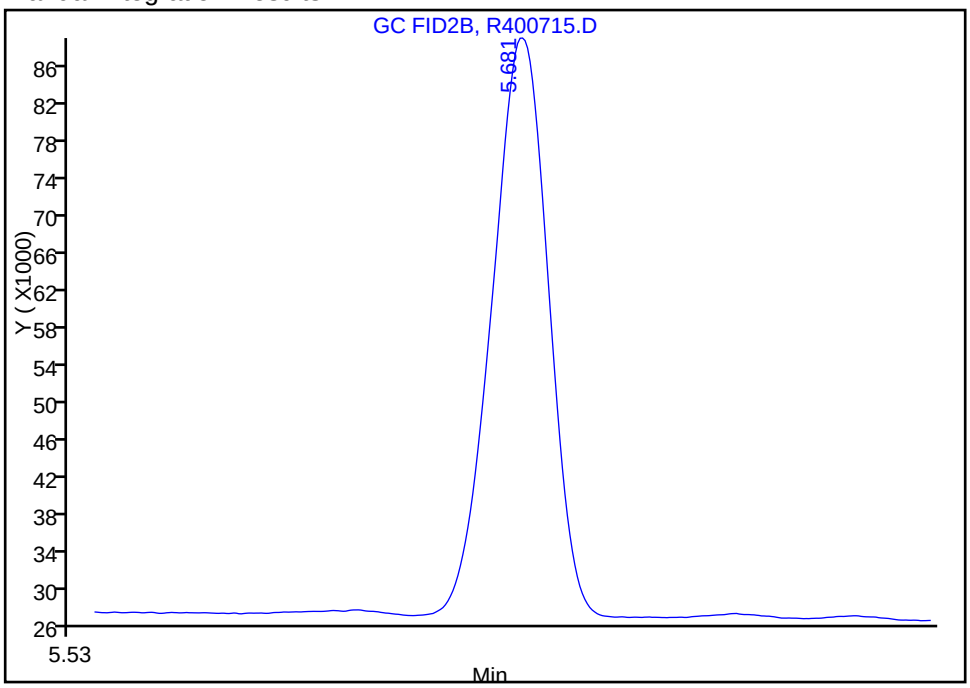
Processing Integration Results

RT: 5.68
Response: 44071
Amount: 0.265476



Manual Integration Results

RT: 5.68
Response: 81949
Amount: 0.433498



Reviewer: malanowskiv, 06-Nov-2011 12:05:21
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D		
Lims ID:	std1	Client ID:	
Inject. Date:	04-Nov-2011 16:41:15	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	std1		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	82884	Lims Sample ID:	4
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:39:43	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:30

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.936	5.946	-0.010	136417	1.02	
$ 2 2-Bromonaphthalene						
1	6.794	6.807	-0.013	90928	1.02	
$ 3 o-Terphenyl						
1	10.393	10.414	-0.021	178742	1.00	
$ 4 1-Chlorooctadecane						
2	13.979	13.989	-0.010	157720	1.03	
5 n-Nonane						
2	3.316	3.320	-0.004	191340	0.9313	
6 n-Decane						
2	4.120	4.125	-0.005	198910	1.00	
7 Naphthalene						
1	4.694	4.701	-0.007	174008	0.9827	
8 2-Methylnaphthalene						
1	5.461	5.471	-0.010	172711	1.01	
9 Dodecane						
2	5.681	5.685	-0.004	193561	1.02	
11 Acenaphthylene						
1	6.604	6.620	-0.016	173931	0.9724	
12 Acenaphthene						
1	6.881	6.900	-0.019	182766	1.03	
15 n-Tetradecane						
2	7.341	7.345	-0.004	195113	1.00	
14 Fluorene						
1	7.693	7.711	-0.018	178603	1.03	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.245	9.253	-0.008	188032	1.02	
16 Phenanthrene						
1	9.438	9.463	-0.025	160147	0.9679	
17 Anthracene						
1	9.526	9.555	-0.029	169140	0.9883	
20 n-Octadecane						
2	11.221	11.231	-0.010	186018	1.02	
19 Fluoranthene						
1	11.926	11.959	-0.033	153338	0.9721	
22 C19						
2	12.191	12.202	-0.011	181606	1.02	
21 Pyrene						
1	12.386	12.421	-0.035	172200	1.02	
23 icosane						
2	13.133	13.145	-0.012	179530	1.02	
27 n-Docosane						
2	14.925	14.940	-0.015	181581	1.03	
24 Benzo[a]anthracene						
1	15.113	15.147	-0.034	143301	0.9465	
25 Chrysene						
1	15.198	15.245	-0.047	166003	1.04	
28 n-Tetracosane						
2	16.591	16.605	-0.014	185952	1.04	
29 Benzo[b]fluoranthene						
1	17.426	17.471	-0.045	137895	0.9037	
30 Benzo[k]fluoranthene						
1	17.476	17.537	-0.061	170315	0.8341	
31 Benzo[a]pyrene						M
1	18.041	18.091	-0.050	150008	0.9662	M
32 n-Hexacosane						
2	18.134	18.150	-0.016	196881	1.07	
35 n-Octacosane						
2	19.576	19.586	-0.010	195174	1.03	
33 Indeno[1,2,3-cd]pyrene						
1	20.070	20.124	-0.054	119076	0.7869	
34 Dibenz(a,h)anthracene						M
1	20.140	20.237	-0.097	127477	0.8596	M
36 Benzo[g,h,i]perylene						
1	20.476	20.473	0.003	119837	0.8043	
37 Triacontane						
2	20.914	20.932	-0.018	186927	1.03	
38 n-Hexatriacontane						
2	25.510	25.525	-0.015	158822	1.04	
S 43 Total EPH						
2					-14.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					14.5	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 44 EPH Adjustment 1						
1					14.5	

QC Flag Legend

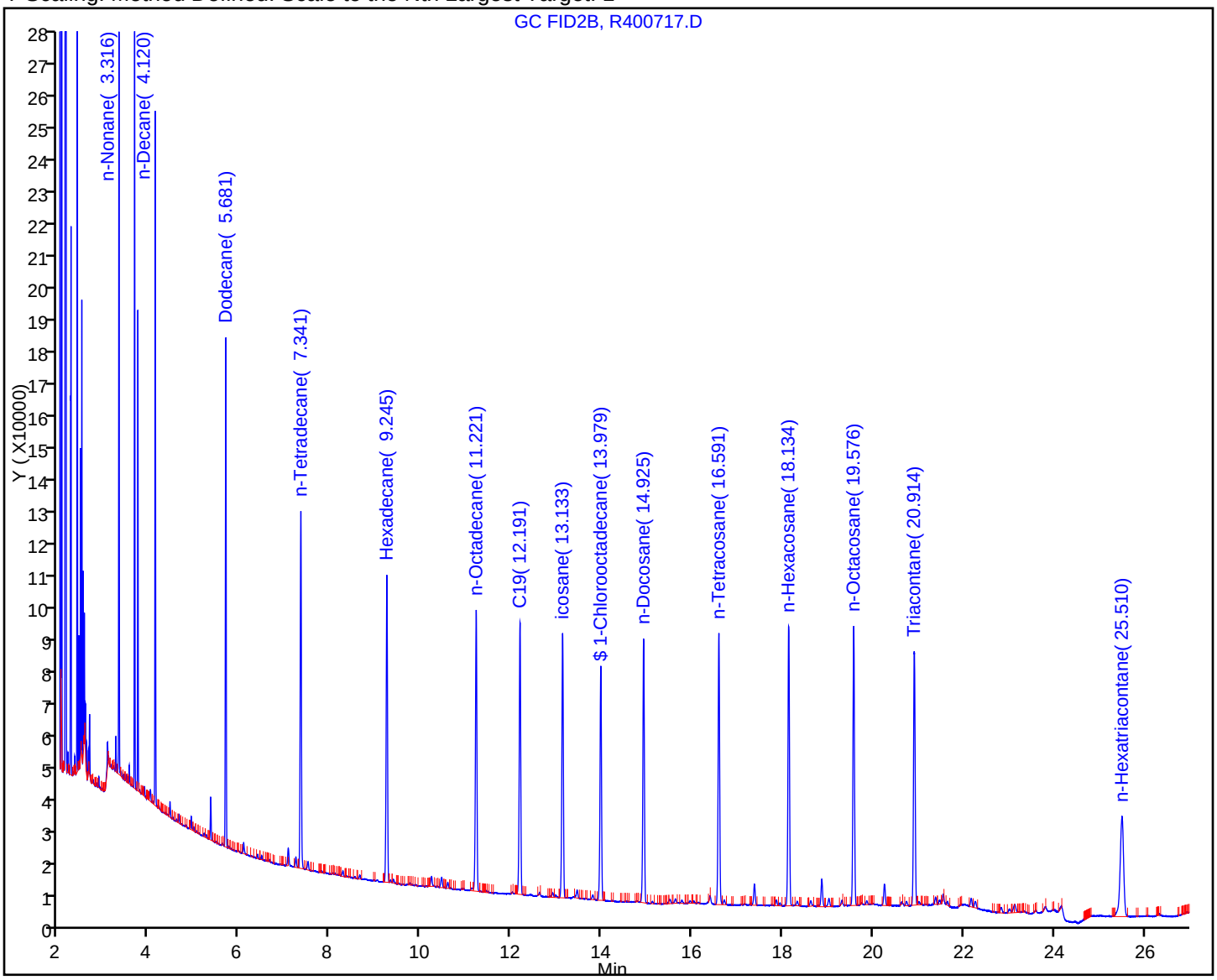
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:39:44 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400717.D

Injection Date:	04-Nov-2011 16:41:15	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	4
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D		
Lims ID:	std5	Client ID:	
Inject. Date:	04-Nov-2011 17:14:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	std5		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	82884	Lims Sample ID:	5
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:42:28	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

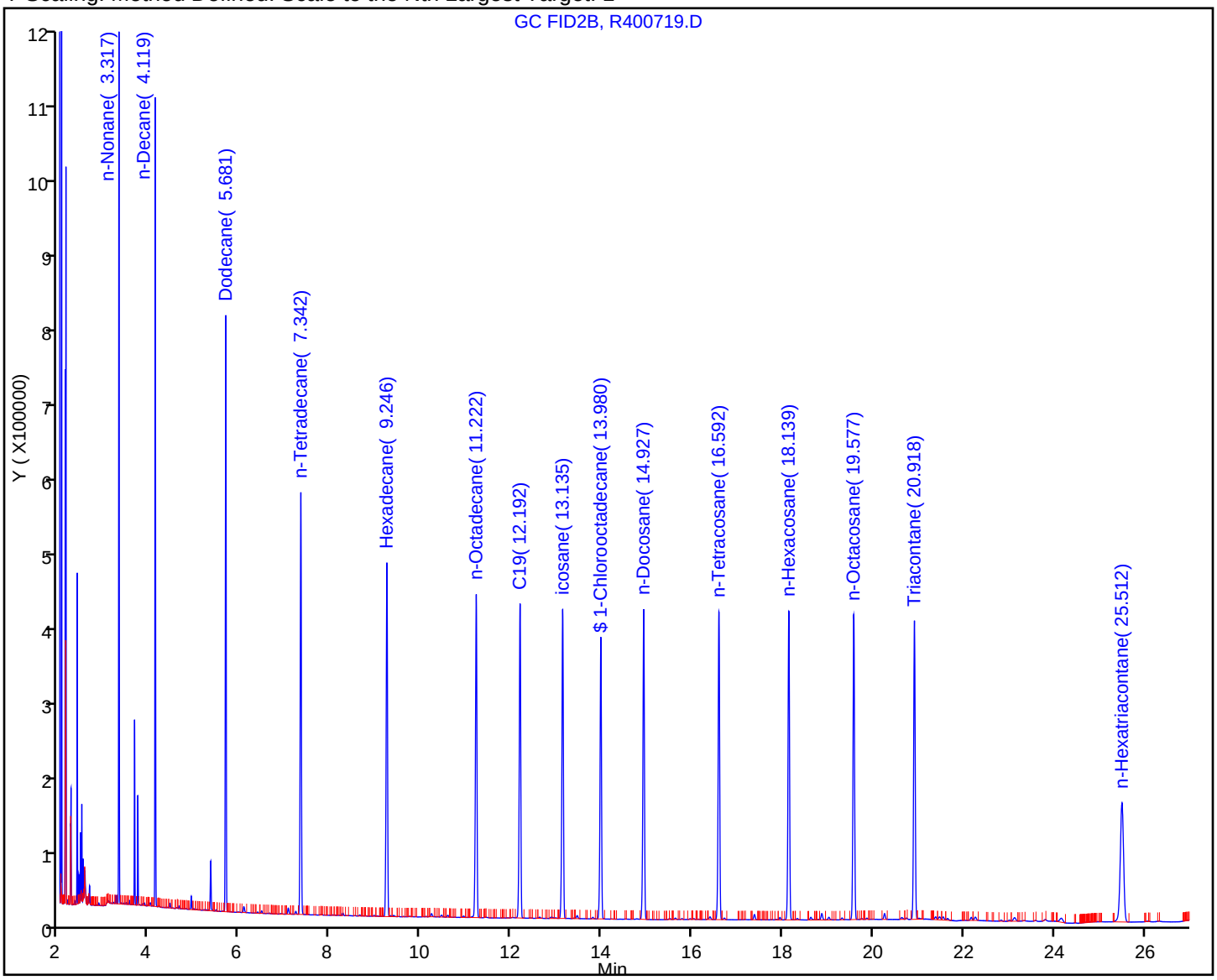
First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:37

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.937	5.937	0.000	603355	4.50	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	410427	4.63	
$ 3 o-Terphenyl						
1	10.396	10.396	0.000	760924	4.26	
$ 4 1-Chlorooctadecane						
2	13.980	13.980	0.000	835953	5.45	
5 n-Nonane						
2	3.317	3.317	0.000	1008687	5.49	
6 n-Decane						
2	4.119	4.119	0.000	1040458	5.24	
7 Naphthalene						
1	4.693	4.693	0.000	771947	4.36	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	744942	4.34	
9 Dodecane						
2	5.681	5.681	0.000	1032141	5.46	
11 Acenaphthylene						
1	6.606	6.606	0.000	756372	4.23	
12 Acenaphthene						
1	6.882	6.882	0.000	760273	4.26	
15 n-Tetradecane						
2	7.342	7.342	0.000	1009032	5.17	
14 Fluorene						
1	7.693	7.693	0.000	755459	4.37	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	997130	5.42	
16 Phenanthrene						
1	9.440	9.440	0.000	711995	4.30	
17 Anthracene						
1	9.527	9.527	0.000	729745	4.62	
20 n-Octadecane						
2	11.222	11.222	0.000	981231	5.38	
19 Fluoranthene						
1	11.930	11.930	0.000	680868	4.32	
22 C19						
2	12.192	12.192	0.000	962882	5.43	
21 Pyrene						
1	12.390	12.390	0.000	736222	4.38	
23 icosane						
2	13.135	13.135	0.000	950809	5.41	
27 n-Docosane						
2	14.927	14.927	0.000	957825	5.46	
24 Benzo[a]anthracene						
1	15.112	15.112	0.000	628333	4.41	
25 Chrysene						
1	15.202	15.202	0.000	677626	4.58	
28 n-Tetracosane						
2	16.592	16.592	0.000	954740	5.35	
29 Benzo[b]fluoranthene						
1	17.427	17.427	0.000	616939	4.35	
30 Benzo[k]fluoranthene						
1	17.477	17.477	0.000	645189	4.40	
31 Benzo[a]pyrene						
1	18.042	18.042	0.000	635440	4.40	
32 n-Hexacosane						
2	18.139	18.139	0.000	969840	5.65	
35 n-Octacosane						
2	19.577	19.577	0.000	964729	5.09	
33 Indeno[1,2,3-cd]pyrene						
1	20.073	20.073	0.000	532116	4.02	
34 Dibenz(a,h)anthracene						
1	20.145	20.145	0.000	564005	4.36	
36 Benzo[g,h,i]perylene						
1	20.482	20.482	0.000	533172	4.12	
37 Triacontane						
2	20.918	20.918	0.000	957852	5.25	
38 n-Hexatriacontane						
2	25.512	25.512	0.000	816525	5.35	
A 39 C9-C18 Aliphatics						
2	7.278	3.217 - 11.322		13287798	32.2	
A 40 C11-C22 Aromatics						
1	12.793	4.593 - 20.861		13032461	83.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.538	11.322	-25.765	11820018	56.9	
S 43 Total EPH						
2					107.2	
S 42 C11-C22 Aromatics (Adjusted)						
2					18.2	
S 44 EPH Adjustment 1						
1					65.4	

Report Date: 08-Nov-2011 10:42:29 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400719.D
Injection Date: 04-Nov-2011 17:14:54 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 82884 Lims Sample ID: 5
Operator ID: CT Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Lims ID:	std10	Client ID:	
Inject. Date:	04-Nov-2011 17:48:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	std10		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	82884	Lims Sample ID:	6
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:13	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:51:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.937	0.001	1383915	10.3	
$ 2 2-Bromonaphthalene						
1	6.795	6.795	0.000	947780	10.7	
$ 3 o-Terphenyl						
1	10.397	10.396	0.001	1715418	9.60	
$ 4 1-Chlorooctadecane						
2	13.981	13.980	0.001	1493643	9.74	
5 n-Nonane						
2	3.317	3.317	0.000	1809092	9.96	
6 n-Decane						
2	4.121	4.119	0.002	1866122	9.39	
7 Naphthalene						
1	4.694	4.693	0.001	1780100	10.1	
8 2-Methylnaphthalene						
1	5.462	5.462	0.000	1723614	10.0	
9 Dodecane						
2	5.682	5.681	0.001	1852722	9.80	
11 Acenaphthylene						
1	6.606	6.606	0.000	1715710	9.59	
12 Acenaphthene						
1	6.885	6.882	0.003	1730536	9.71	
15 n-Tetradecane						
2	7.343	7.342	0.001	1804162	9.24	
14 Fluorene						
1	7.695	7.693	0.002	1710479	9.89	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.246	9.246	0.000	1783806	9.70	
16 Phenanthrene						
1	9.443	9.440	0.003	1626129	9.83	
17 Anthracene						
1	9.530	9.527	0.003	1646405	10.6	
20 n-Octadecane						
2	11.223	11.222	0.001	1751948	9.60	
19 Fluoranthene						
1	11.934	11.930	0.004	1548141	9.81	
22 C19						
2	12.194	12.192	0.002	1723266	9.72	
21 Pyrene						
1	12.392	12.390	0.002	1655065	9.84	
23 icosane						M
2	13.136	13.135	0.001	1718339	9.77	M
27 n-Docosane						
2	14.928	14.927	0.001	1707750	9.73	
24 Benzo[a]anthracene						
1	15.120	15.112	0.008	1427799	10.1	
25 Chrysene						
1	15.207	15.202	0.005	1508512	10.3	
28 n-Tetracosane						
2	16.594	16.592	0.002	1695943	9.51	
29 Benzo[b]fluoranthene						
1	17.439	17.427	0.012	1401170	10.0	
30 Benzo[k]fluoranthene						
1	17.487	17.477	0.010	1438171	10.4	
31 Benzo[a]pyrene						
1	18.049	18.042	0.007	1432623	10.0	
32 n-Hexacosane						
2	18.138	18.139	-0.001	1707752	10.0	
35 n-Octacosane						
2	19.579	19.577	0.002	1703640	8.98	
33 Indeno[1,2,3-cd]pyrene						
1	20.083	20.073	0.010	1229760	9.47	
34 Dibenz(a,h)anthracene						
1	20.147	20.145	0.002	1257320	9.92	
36 Benzo[g,h,i]perylene						
1	20.492	20.482	0.010	1211484	9.56	
37 Triacontane						
2	20.920	20.918	0.002	1700410	9.33	
38 n-Hexatriacontane						M
2	25.519	25.512	0.007	1476363	9.68	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		16605628	50.1	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		28110201	100.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	17408993	83.8	
S 44 EPH Adjustment 1						
1					149.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					30.6	
S 43 Total EPH						
2					164.5	

QC Flag Legend

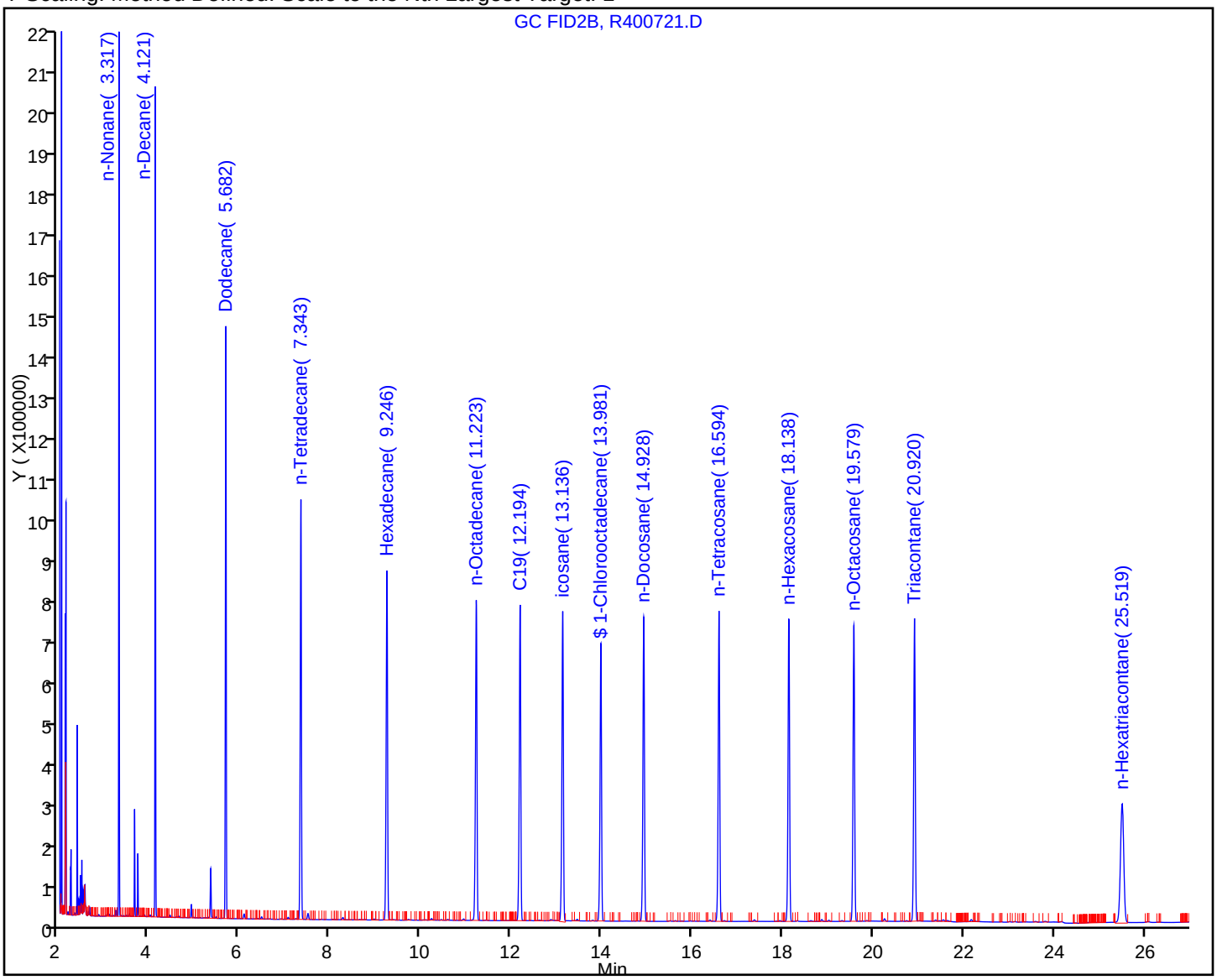
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:46:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D

Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 08-Nov-2011 10:46:14 Chrom Revision: 2.0 29-Sep-2011 09:38:02

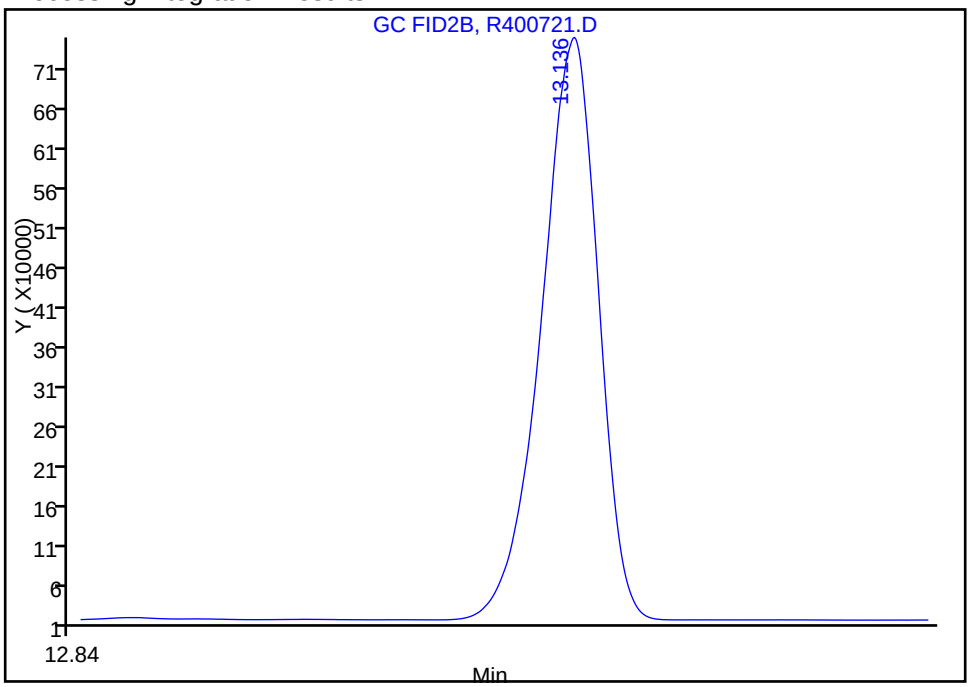
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

23 icosane, Signal: 1, Type: quant, RT: 13.13, Det: GC FID2B

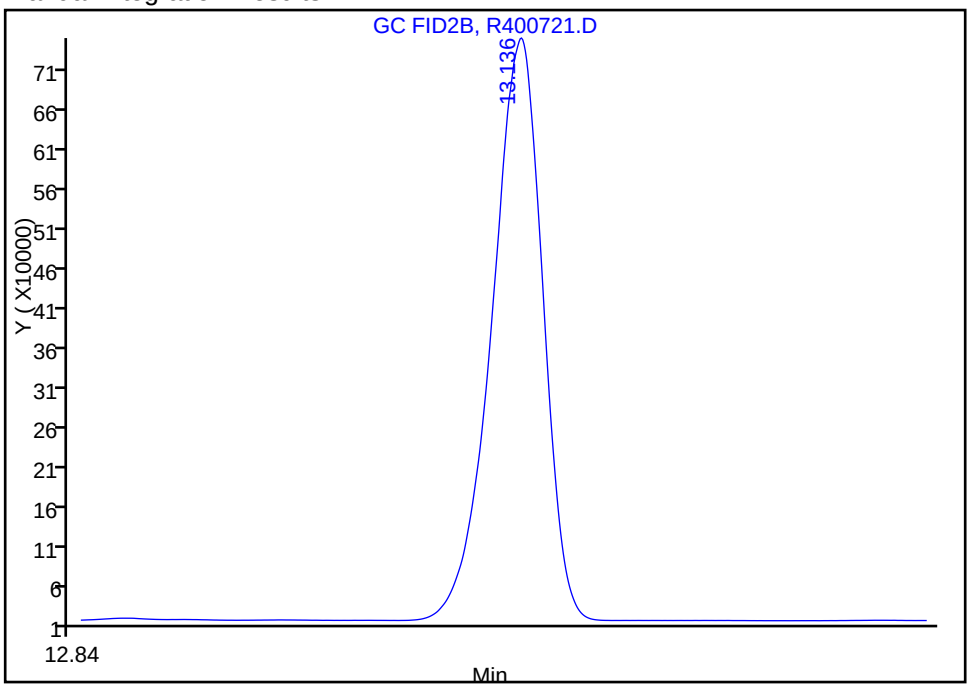
Processing Integration Results

RT: 13.14
Response: 972574
Amount: 5.728013



Manual Integration Results

RT: 13.14
Response: 1718339
Amount: 9.774115



Reviewer: malanowskiv, 06-Nov-2011 12:25:37
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

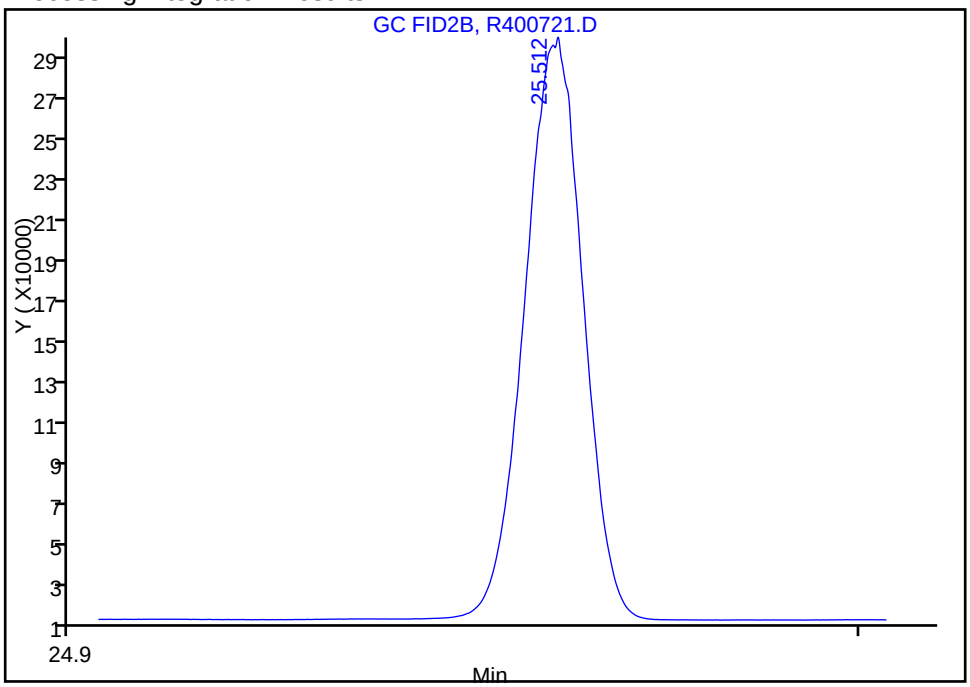
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400721.D		
Injection Date:	04-Nov-2011 17:48:32	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	6
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.51, Det: GC FID2B

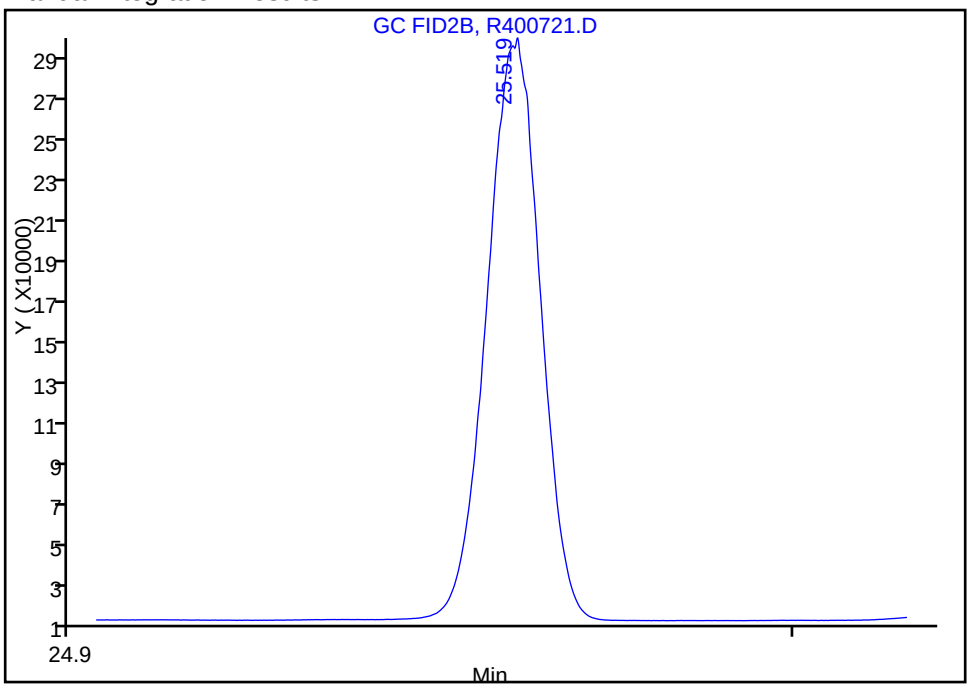
Processing Integration Results

RT: 25.51
Response: 743146
Amount: 8.037837



Manual Integration Results

RT: 25.52
Response: 1476363
Amount: 9.682328



Reviewer: malanowskiv, 06-Nov-2011 12:25:37
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D		
Lims ID:	std25	Client ID:	
Inject. Date:	04-Nov-2011 18:22:16	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	std25		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	82884	Lims Sample ID:	7
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:46:35	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:26

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.937	0.002	3272150	24.4	
$ 2 2-Bromonaphthalene						
1	6.799	6.795	0.004	2219193	25.0	
$ 3 o-Terphenyl						
1	10.403	10.396	0.007	4019543	22.5	
$ 4 1-Chlorooctadecane						
2	13.984	13.980	0.004	3641764	23.7	
5 n-Nonane						
2	3.318	3.317	0.001	4377354	24.3	
6 n-Decane						
2	4.122	4.119	0.003	4503826	22.7	
7 Naphthalene						
1	4.695	4.693	0.002	4199707	23.7	
8 2-Methylnaphthalene						
1	5.465	5.462	0.003	4062551	23.7	
9 Dodecane						
2	5.683	5.681	0.002	4478288	23.7	
11 Acenaphthylene						
1	6.611	6.606	0.005	4040368	22.6	
12 Acenaphthene						
1	6.889	6.882	0.007	4055729	22.8	
15 n-Tetradecane						
2	7.345	7.342	0.003	4377639	22.4	
14 Fluorene						
1	7.702	7.693	0.009	4000063	23.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.251	9.246	0.005	4324561	23.5	
16 Phenanthrene						
1	9.450	9.440	0.010	3799841	23.0	
17 Anthracene						
1	9.539	9.527	0.012	3764648	24.3	
20 n-Octadecane						
2	11.230	11.222	0.008	4270937	23.4	
19 Fluoranthene						
1	11.943	11.930	0.013	3664943	23.2	
22 C19						
2	12.198	12.192	0.006	4203875	23.7	
21 Pyrene						
1	12.402	12.390	0.012	3886049	23.1	
23 icosane						
2	13.142	13.135	0.007	4135090	23.5	
27 n-Docosane						
2	14.935	14.927	0.008	4155128	23.7	
24 Benzo[a]anthracene						
1	15.131	15.112	0.019	3398887	24.2	
25 Chrysene						
1	15.224	15.202	0.022	3556001	24.5	
28 n-Tetracosane						
2	16.600	16.592	0.008	4156516	23.3	
29 Benzo[b]fluoranthene						
1	17.452	17.427	0.025	3358183	24.1	
30 Benzo[k]fluoranthene						
1	17.507	17.477	0.030	3383480	25.0	
31 Benzo[a]pyrene						
1	18.068	18.042	0.026	3408988	24.0	
32 n-Hexacosane						
2	18.147	18.139	0.008	4203409	24.8	
35 n-Octacosane						
2	19.583	19.577	0.006	4221496	22.3	
33 Indeno[1,2,3-cd]pyrene						
1	20.103	20.073	0.030	3014627	23.4	
34 Dibenz(a,h)anthracene						
1	20.167	20.145	0.022	2956340	23.6	
36 Benzo[g,h,i]perylene						
1	20.513	20.482	0.031	2936197	23.4	
37 Triacontane						
2	20.926	20.918	0.008	4185801	23.0	
38 n-Hexatriacontane						
2	25.527	25.512	0.015	3536636	23.2	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		35718196	153.3	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		63975201	410.4	

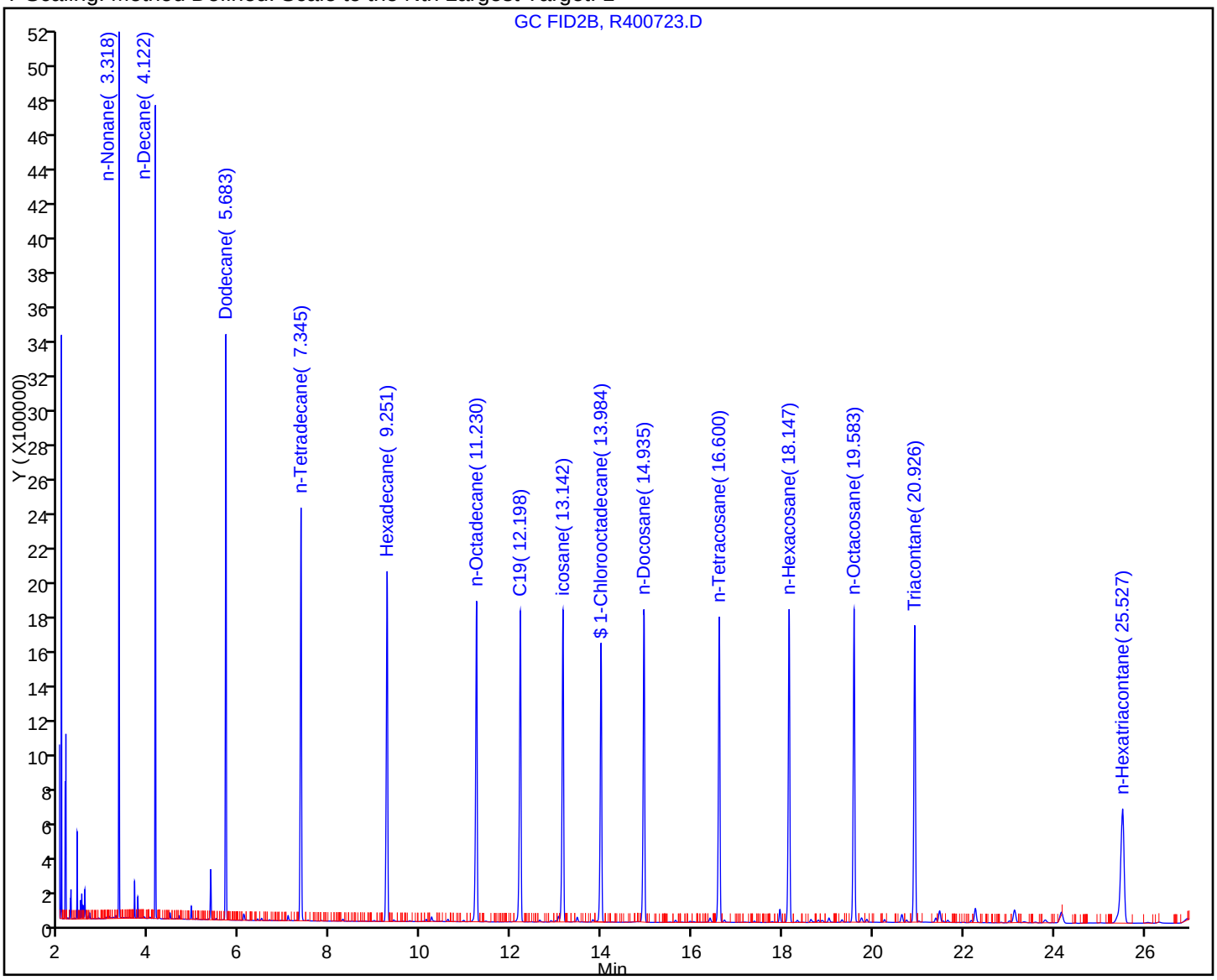
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	40071233	192.8	
S 43 Total EPH						
2					401.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					55.8	
S 44 EPH Adjustment 1						
1					354.6	

Report Date: 08-Nov-2011 10:46:35 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400723.D

Injection Date:	04-Nov-2011 18:22:16	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	7
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D		
Lims ID:	std100	Client ID:	
Inject. Date:	04-Nov-2011 19:29:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	std100		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	82884	Lims Sample ID:	8
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:26	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:34

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.952	5.937	0.015	14215423	102.1	
$ 2 2-Bromonaphthalene						
1	6.817	6.795	0.022	9233617	100.2	
$ 3 o-Terphenyl						
1	10.429	10.396	0.033	16741411	93.7	
$ 4 1-Chlorooctadecane						
2	14.007	13.980	0.027	14226897	92.8	
5 n-Nonane						
2	3.327	3.317	0.010	18211050	101.5	
6 n-Decane						
2	4.132	4.119	0.013	18796584	94.6	
7 Naphthalene						
1	4.707	4.693	0.014	17824535	100.7	
8 2-Methylnaphthalene						
1	5.478	5.462	0.016	17223002	100.4	
9 Dodecane						
2	5.692	5.681	0.011	18661498	98.7	
11 Acenaphthylene						
1	6.630	6.606	0.024	16998474	95.0	
12 Acenaphthene						
1	6.913	6.882	0.031	16941685	95.0	
15 n-Tetradecane						
2	7.355	7.342	0.013	18072917	92.5	
14 Fluorene						
1	7.727	7.693	0.034	16764188	96.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.266	9.246	0.020	17883375	97.2	
16 Phenanthrene						
1	9.481	9.440	0.041	16211326	98.0	
17 Anthracene						
1	9.577	9.527	0.050	15941768	103.2	
20 n-Octadecane						
2	11.246	11.222	0.024	17579906	96.4	
19 Fluoranthene						
1	11.980	11.930	0.050	15541500	98.5	
22 C19						
2	12.217	12.192	0.025	17308446	97.6	
21 Pyrene						
1	12.443	12.390	0.053	16246645	96.6	
23 icosane						
2	13.163	13.135	0.028	16639428	94.6	
27 n-Docosane						
2	14.959	14.927	0.032	16360413	93.2	
24 Benzo[a]anthracene						
1	15.174	15.112	0.062	14348101	102.5	
25 Chrysene						
1	15.278	15.202	0.076	14904263	103.0	
28 n-Tetracosane						
2	16.623	16.592	0.031	16666913	93.5	
29 Benzo[b]fluoranthene						
1	17.499	17.427	0.072	15091168	108.5	
30 Benzo[k]fluoranthene						
1	17.574	17.477	0.097	13531770	101.2	
31 Benzo[a]pyrene						M
1	18.131	18.042	0.089	14650836	103.5	M
32 n-Hexacosane						
2	18.171	18.139	0.032	16975846	100.5	
35 n-Octacosane						
2	19.607	19.577	0.030	17077930	90.1	
33 Indeno[1,2,3-cd]pyrene						
1	20.184	20.073	0.111	12858055	100.4	
34 Dibenz(a,h)anthracene						M
1	20.237	20.145	0.092	12770021	102.3	M
36 Benzo[g,h,i]perylene						
1	20.589	20.482	0.107	12555380	100.5	
37 Triacontane						
2	20.954	20.918	0.036	17192252	94.3	
38 n-Hexatriacontane						
2	25.568	25.512	0.056	13851517	90.8	
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		116436741	589.0	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		264970279	1698.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.544	11.322	-25.765	140145386	674.4	
S 44 EPH Adjustment 1						
1					1503.4	
S 42 C11-C22 Aromatics (Adjusted)						
2					196.3	
S 43 Total EPH						
2					1459.8	

QC Flag Legend

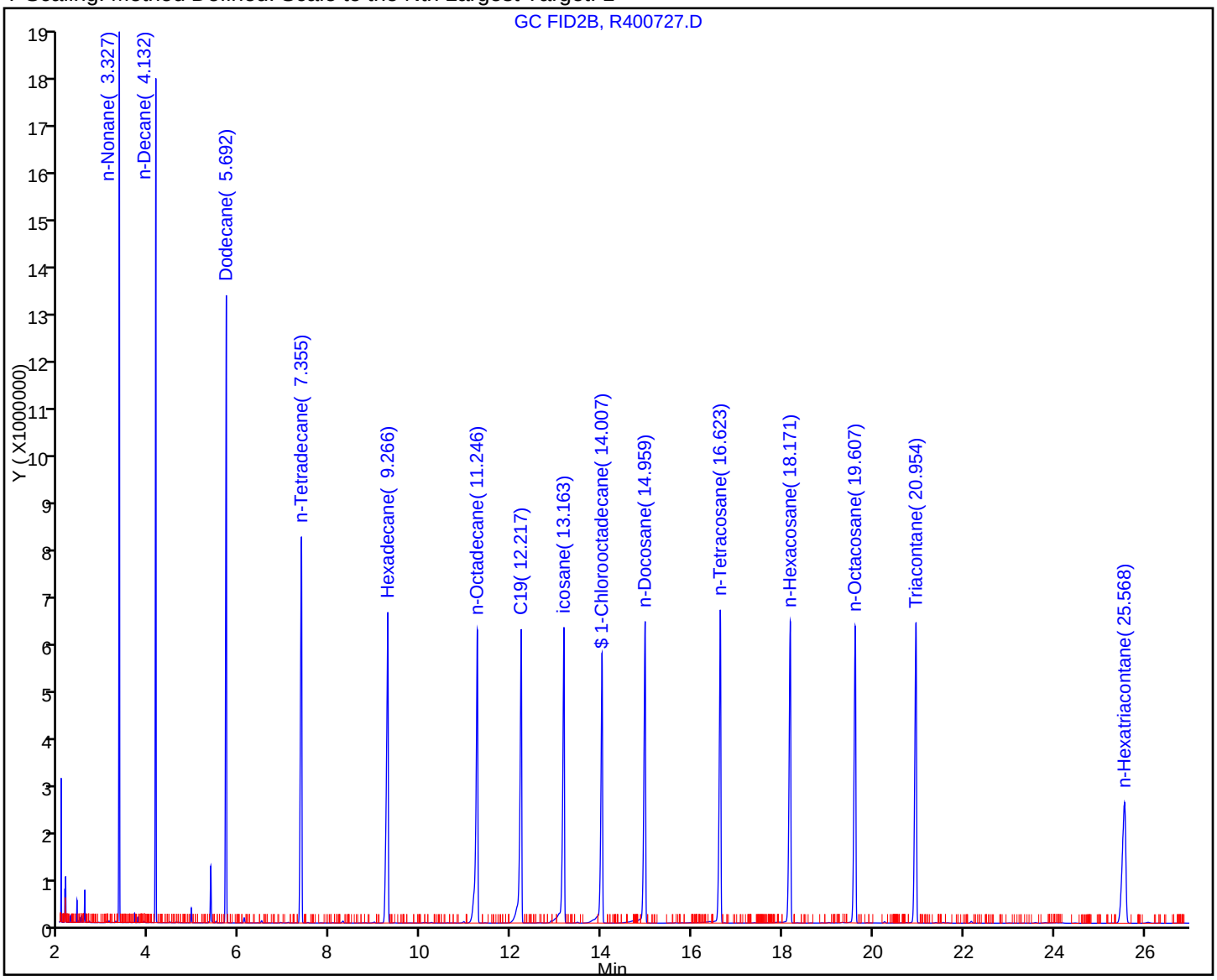
Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:27 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400727.D

Injection Date:	04-Nov-2011 19:29:41	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	8
Operator ID:	CT	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Lims ID:	std200	Client ID:	
Inject. Date:	04-Nov-2011 20:03:23	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	std200		
Misc. Info.:			
Operator:	CT	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	82884	Lims Sample ID:	9
Sublist:	chrom-MAEPH-R*sub2		
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\MAEPH-R.m		
Last Update:	08-Nov-2011 10:47:49	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS03		

First Level Reviewer: malanowskiv Date: 07-Nov-2011 07:52:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.963	5.937	0.026	27219328	191.3	
$ 2 2-Bromonaphthalene						
1	6.832	6.795	0.037	18004776	191.3	
$ 3 o-Terphenyl						
1	10.450	10.396	0.054	31401850	175.7	
$ 4 1-Chlorooctadecane						
2	14.026	13.980	0.046	27871700	181.8	
5 n-Nonane						
2	3.332	3.317	0.015	35355401	197.2	
6 n-Decane						
2	4.142	4.119	0.023	36501217	183.7	
7 Naphthalene						
1	4.718	4.693	0.025	34019279	192.1	
8 2-Methylnaphthalene						
1	5.490	5.462	0.028	32899396	191.7	
9 Dodecane						
2	5.700	5.681	0.019	36255572	191.8	
11 Acenaphthylene						
1	6.646	6.606	0.040	32474003	181.6	
12 Acenaphthene						
1	6.934	6.882	0.052	32643392	183.1	
15 n-Tetradecane						
2	7.367	7.342	0.025	35180388	180.1	
14 Fluorene						
1	7.746	7.693	0.053	32103683	185.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.280	9.246	0.034	34884004	189.6	
16 Phenanthrene						
1	9.505	9.440	0.065	31316706	189.3	
17 Anthracene						
1	9.607	9.527	0.080	30036930	194.6	
20 n-Octadecane						
2	11.265	11.222	0.043	34238156	187.7	
19 Fluoranthene						
1	12.010	11.930	0.080	29525692	187.2	
22 C19						
2	12.239	12.192	0.047	33765177	190.4	
21 Pyrene						
1	12.480	12.390	0.090	30819194	183.2	
23 icosane						
2	13.185	13.135	0.050	31423185	178.7	
27 n-Docosane						
2	14.979	14.927	0.052	32476339	185.0	
24 Benzo[a]anthracene						
1	15.204	15.112	0.092	27510479	196.5	
25 Chrysene						
1	15.322	15.202	0.120	28166036	194.7	
28 n-Tetracosane						
2	16.645	16.592	0.053	32590752	182.8	
29 Benzo[b]fluoranthene						M
1	17.556	17.427	0.129	26645481	191.6	M
30 Benzo[k]fluoranthene						M
1	17.629	17.477	0.152	25896085	194.1	M
31 Benzo[a]pyrene						
1	18.175	18.042	0.133	27713144	195.9	
32 n-Hexacosane						
2	18.191	18.139	0.052	33162196	196.4	
35 n-Octacosane						
2	19.630	19.577	0.053	33519195	176.8	
36 Benzo[g,h,i]perylene						M
1	20.655	20.482	0.173	25161350	201.6	M
37 Triacontane						
2	20.977	20.918	0.059	33854159	185.7	
38 n-Hexatriacontane						M
2	25.616	25.512	0.104	27729888	181.9	M
A 39 C9-C18 Aliphatics						
2	7.269	3.217 - 11.322		226814494	1184.9	
A 40 C11-C22 Aromatics						
1	12.727	4.593 - 20.861		506951589	3252.1	
A 41 C19-C36 Aliphatics						
2	18.544	11.322 - 25.765		270729533	1302.8	
S 43 Total EPH						
2					2877.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
S 42 C11-C22 Aromatics (Adjusted)						
2					389.4	
S 44 EPH Adjustment 1						
1					2862.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Nov-2011 10:47:50 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D
Injection Date: 04-Nov-2011 20:03:23 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 82884 Lims Sample ID: 9
Operator ID: CT Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



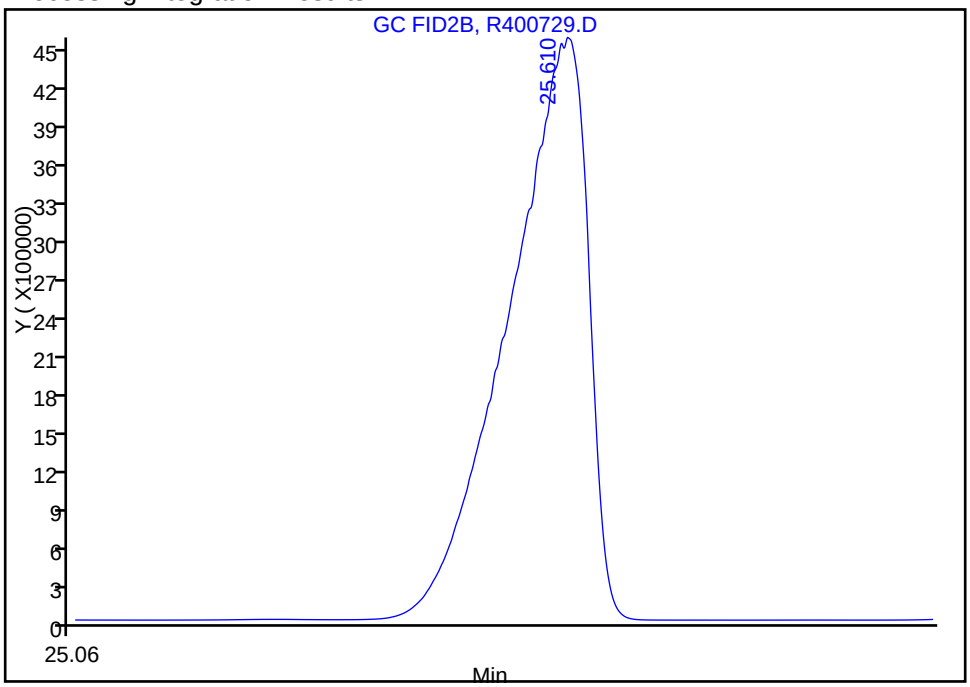
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400729.D		
Injection Date:	04-Nov-2011 20:03:23	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	82884	Lims Sample ID:	9
Operator ID:	CT	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.51, Det: GC FID2B

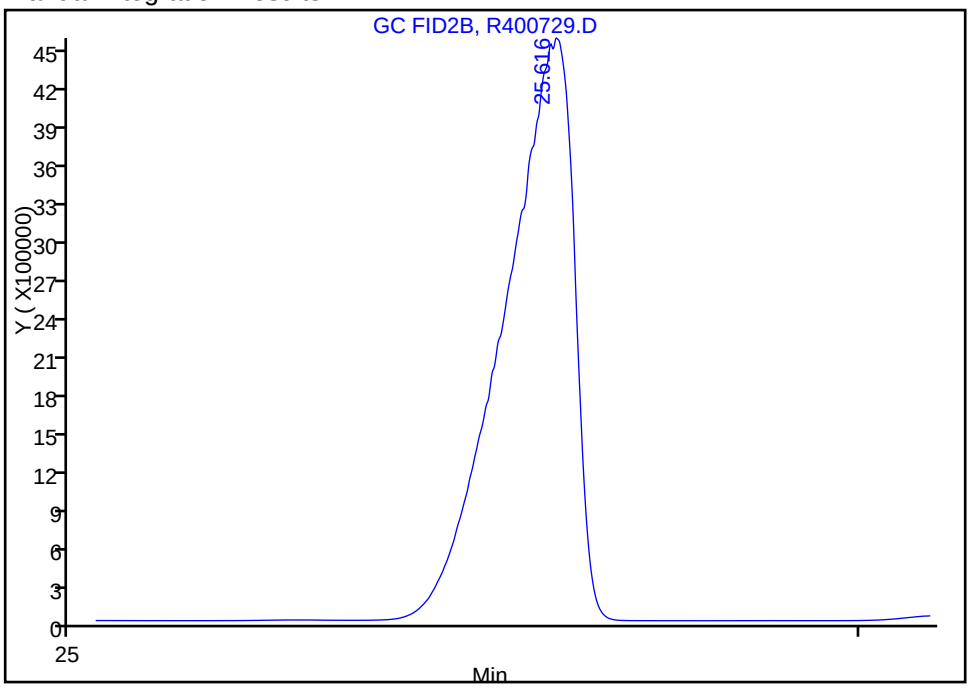
Processing Integration Results

RT: 25.61
Response: 3013059
Amount: 21.715961



Manual Integration Results

RT: 25.62
Response: 27729888
Amount: 181.8590



Reviewer: malanowskiv, 06-Nov-2011 12:35:19
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCVRT 360-84720/1 Calibration Date: 12/13/2011 12:56

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402051.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	175483		49.5	50.0	-0.9	25.0
2-Methylnaphthalene	Ave	171616	168916		49.2	50.0	-1.6	25.0
Acenaphthylene	Ave	178861	167224		46.7	50.0	-6.5	25.0
Acenaphthene	Ave	178269	168391		47.2	50.0	-5.5	25.0
Fluorene	Ave	172973	165173		47.7	50.0	-4.5	25.0
Phenanthrene	Ave	165465	157405		47.6	50.0	-4.9	25.0
Anthracene	Lin1		155638		50.3	50.0	0.6	25.0
Fluoranthene	Ave	157744	151119		47.9	50.0	-4.2	25.0
Pyrene	Ave	168253	159531		47.4	50.0	-5.2	25.0
C11-C22 Aromatics	Ave	155886	155632		849	850	-0.2	25.0
Benzo[a]anthracene	Lin1		141159		50.4	50.0	0.8	25.0
Chrysene	Lin1		147571		50.9	50.0	1.8	25.0
Benzo[b]fluoranthene	Lin1		143472		51.5	50.0	3.0	25.0
Benzo[k]fluoranthene	Lin1		141001		52.5	50.0	5.0	25.0
Benzo[a]pyrene	Lin1		145811		51.5	50.0	3.0	25.0
Indeno[1,2,3-cd]pyrene	Lin1		140806		54.9	50.0	9.8	25.0
Dibenz(a,h)anthracene	Lin1		128852		51.5	50.0	3.0	25.0
Benzo[g,h,i]perylene	Lin1		136238		54.5	50.0	9.0	25.0
2-Fluorobiphenyl	Ave	142273	136160		47.9	50.0	-4.3	25.0
2-Bromonaphthalene	Ave	94136	91924		48.8	50.0	-2.3	25.0
o-Terphenyl	Ave	178720	165230		46.2	50.0	-7.5	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCVRT 360-84720/1 Calibration Date: 12/13/2011 12:56

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402051.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.62	6.52	6.72
Acenaphthene	6.90	6.80	7.00
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.56	9.46	9.66
Fluoranthene	11.96	11.86	12.06
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics	12.80	4.60	21.00
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.25	15.15	15.35
Benzo[b]fluoranthene	17.47	17.37	17.57
Benzo[k]fluoranthene	17.54	17.44	17.64
Benzo[a]pyrene	18.10	18.00	18.20
Indeno[1,2,3-cd]pyrene	20.15	20.05	20.25
Dibenz(a,h)anthracene	20.21	20.11	20.31
Benzo[g,h,i]perylene	20.56	20.46	20.66
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.81	6.71	6.91
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402051.D
Lims ID: CCVRT Client ID:
Inject. Date: 13-Dec-2011 12:56:43 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84720 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m
Last Update: 14-Dec-2011 13:08:19 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH LL
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:30:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.944	5.944	0.000	6807985	47.9	
$ 2 2-Bromonaphthalene						
1	6.805	6.805	0.000	4596185	48.8	
$ 3 o-Terphenyl						
1	10.414	10.414	0.000	8261522	46.2	
$ 4 1-Chlorooctadecane						
2	13.979	13.979	0.000	6708750	43.7	
5 n-Nonane						
2	3.311	3.311	0.000	8460315	47.1	
6 n-Decane						
2	4.116	4.116	0.000	8699679	43.8	
7 Naphthalene						
1	4.699	4.699	0.000	8774171	49.5	
8 2-Methylnaphthalene						
1	5.470	5.470	0.000	8445797	49.2	
9 Dodecane						
2	5.675	5.675	0.000	8642340	45.7	
11 Acenaphthylene						
1	6.619	6.619	0.000	8361186	46.7	
12 Acenaphthene						
1	6.899	6.899	0.000	8419569	47.2	
15 n-Tetradecane						
2	7.335	7.335	0.000	8401536	43.0	
14 Fluorene						
1	7.712	7.712	0.000	8258659	47.7	

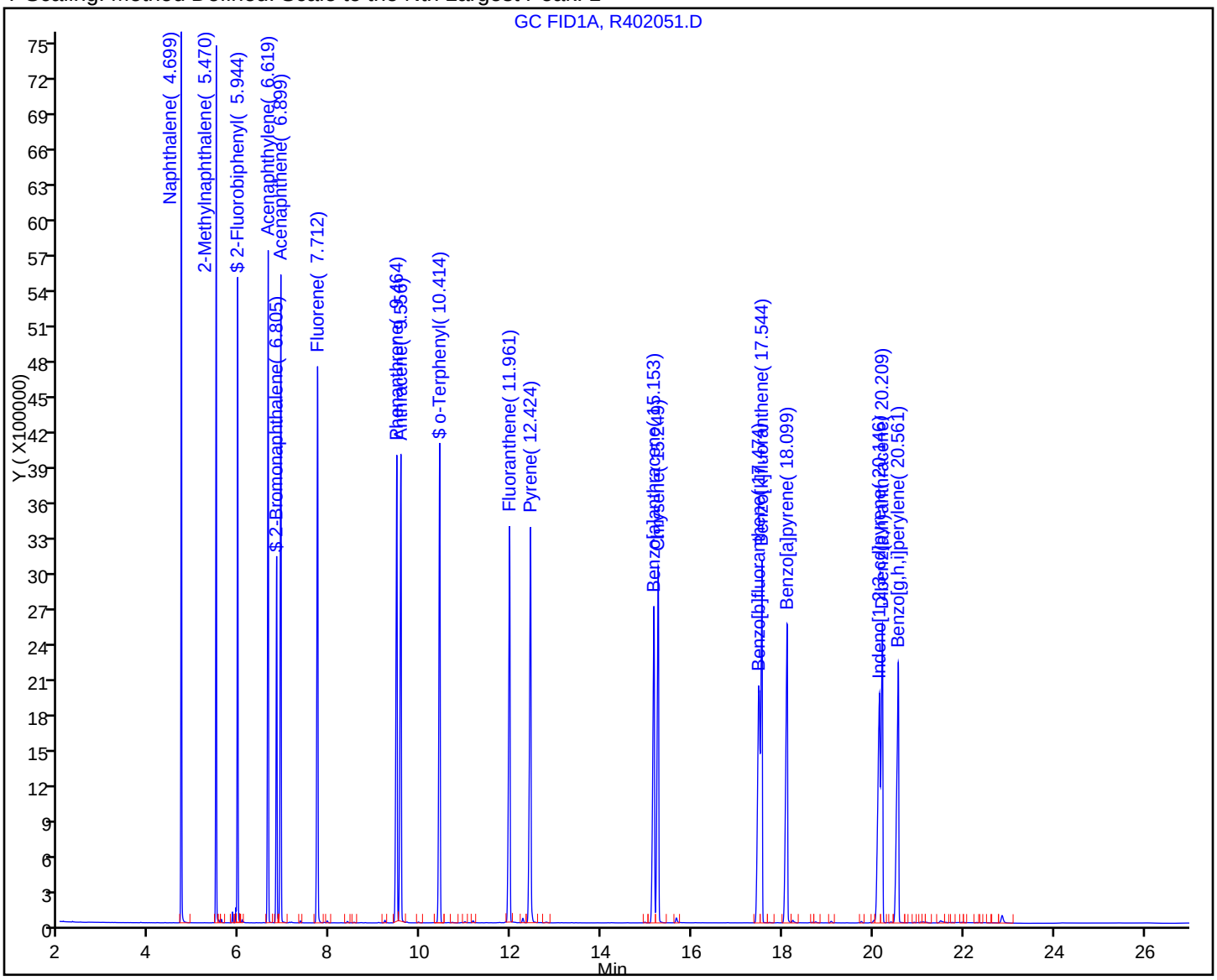
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.241	9.241	0.000	8346716	45.4	
16 Phenanthrene						
1	9.464	9.464	0.000	7870240	47.6	
17 Anthracene						
1	9.556	9.556	0.000	7781917	50.3	
20 n-Octadecane						
2	11.223	11.223	0.000	8255726	45.3	
19 Fluoranthene						
1	11.961	11.961	0.000	7555955	47.9	
22 C19						
2	12.193	12.193	0.000	8149553	45.9	
21 Pyrene						
1	12.424	12.424	0.000	7976537	47.4	
23 icosane						
2	13.138	13.138	0.000	8072069	45.9	
27 n-Docosane						
2	14.930	14.930	0.000	7744728	44.1	
24 Benzo[a]anthracene						
1	15.153	15.153	0.000	7057944	50.4	
25 Chrysene						
1	15.249	15.249	0.000	7378531	50.9	
28 n-Tetracosane						
2	16.597	16.597	0.000	7778919	43.6	
29 Benzo[b]fluoranthene						
1	17.474	17.474	0.000	7173593	51.5	
30 Benzo[k]fluoranthene						
1	17.544	17.544	0.000	7050036	52.5	
31 Benzo[a]pyrene						
1	18.099	18.099	0.000	7290549	51.5	
32 n-Hexacosane						
2	18.144	18.144	0.000	8051040	47.6	
35 n-Octacosane						
2	19.584	19.584	0.000	8183933	43.2	
33 Indeno[1,2,3-cd]pyrene						
1	20.146	20.146	0.000	7040281	54.9	
34 Dibenz(a,h)anthracene						
1	20.209	20.209	0.000	6442604	51.5	
36 Benzo[g,h,i]perylene						
1	20.561	20.561	0.000	6811899	54.5	
37 Triacontane						
2	20.923	20.923	0.000	8363633	45.9	
38 n-Hexatriacontane						M
2	25.518	25.518	0.000	7560513	49.6	M
A 39 C9-C18 Aliphatics						
2	7.268	3.211 - 11.323		59151528	279.8	
A 40 C11-C22 Aromatics						
1	12.798	4.599 - 21.002		132286881	949.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.548	11.323	-25.780	70916303	341.3	
S 44 EPH Adjustment 1						
1					744.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					103.7	
S 43 Total EPH						
2					724.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Dec-2011 13:08:21 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402051.D
Injection Date: 13-Dec-2011 12:56:43 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 1
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCVRT 360-84720/1 Calibration Date: 12/13/2011 12:56

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402051.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		169206		47.1	50.0	-5.8	25.0
n-Decane	Ave	198709	173994		43.8	50.0	-12.4	25.0
Dodecane	Ave	189041	172847		45.7	50.0	-8.6	25.0
C9-C18 Aliphatics	Lin1		197172		280	300	-6.7	25.0
n-Tetradecane	Ave	195285	168031		43.0	50.0	-14.0	25.0
Hexadecane	Ave	183947	166934		45.4	50.0	-9.2	25.0
n-Octadecane	Ave	182400	165115		45.3	50.0	-9.5	25.0
C19	Ave	177362	162991		45.9	50.0	-8.1	25.0
icosane	Ave	175805	161441		45.9	50.0	-8.2	25.0
n-Docosane	Ave	175561	154895		44.1	50.0	-11.8	25.0
n-Tetracosane	Ave	178308	155578		43.6	50.0	-12.7	25.0
n-Hexacosane	Lin1		161021		47.6	50.0	-4.8	25.0
C19-C36 Aliphatics	Ave	207807	177291		341	400	-14.7	25.0
n-Octacosane	Ave	189639	163679		43.2	50.0	-13.7	25.0
Triacontane	Ave	182275	167273		45.9	50.0	-8.2	25.0
n-Hexatriacontane	Ave	152480	151210		49.6	50.0	-0.8	25.0
1-Chlorooctadecane	Ave	153344	134175		43.7	50.0	-12.5	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCVRT 360-84720/1 Calibration Date: 12/13/2011 12:56

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402051.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.31	3.21	3.41
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.21	11.32
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.24	9.14	9.34
n-Octadecane	11.22	11.12	11.32
C19	12.19	12.09	12.29
icosane	13.14	13.04	13.24
n-Docosane	14.93	14.83	15.03
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.14	18.04	18.24
C19-C36 Aliphatics	18.55	11.32	25.78
n-Octacosane	19.58	19.48	19.68
Triacontane	20.92	20.82	21.02
n-Hexatriacontane	25.52	25.42	25.62
1-Chlorooctadecane	13.98	13.88	14.08

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402051.D
Lims ID: CCVRT Client ID:
Inject. Date: 13-Dec-2011 12:56:43 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84720 Lims Sample ID: 1
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m
Last Update: 14-Dec-2011 13:08:19 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH LL
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:30:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.944	5.944	0.000	6807985	47.9	
$ 2 2-Bromonaphthalene						
1	6.805	6.805	0.000	4596185	48.8	
$ 3 o-Terphenyl						
1	10.414	10.414	0.000	8261522	46.2	
$ 4 1-Chlorooctadecane						
2	13.979	13.979	0.000	6708750	43.7	
5 n-Nonane						
2	3.311	3.311	0.000	8460315	47.1	
6 n-Decane						
2	4.116	4.116	0.000	8699679	43.8	
7 Naphthalene						
1	4.699	4.699	0.000	8774171	49.5	
8 2-Methylnaphthalene						
1	5.470	5.470	0.000	8445797	49.2	
9 Dodecane						
2	5.675	5.675	0.000	8642340	45.7	
11 Acenaphthylene						
1	6.619	6.619	0.000	8361186	46.7	
12 Acenaphthene						
1	6.899	6.899	0.000	8419569	47.2	
15 n-Tetradecane						
2	7.335	7.335	0.000	8401536	43.0	
14 Fluorene						
1	7.712	7.712	0.000	8258659	47.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.241	9.241	0.000	8346716	45.4	
16 Phenanthrene						
1	9.464	9.464	0.000	7870240	47.6	
17 Anthracene						
1	9.556	9.556	0.000	7781917	50.3	
20 n-Octadecane						
2	11.223	11.223	0.000	8255726	45.3	
19 Fluoranthene						
1	11.961	11.961	0.000	7555955	47.9	
22 C19						
2	12.193	12.193	0.000	8149553	45.9	
21 Pyrene						
1	12.424	12.424	0.000	7976537	47.4	
23 icosane						
2	13.138	13.138	0.000	8072069	45.9	
27 n-Docosane						
2	14.930	14.930	0.000	7744728	44.1	
24 Benzo[a]anthracene						
1	15.153	15.153	0.000	7057944	50.4	
25 Chrysene						
1	15.249	15.249	0.000	7378531	50.9	
28 n-Tetracosane						
2	16.597	16.597	0.000	7778919	43.6	
29 Benzo[b]fluoranthene						
1	17.474	17.474	0.000	7173593	51.5	
30 Benzo[k]fluoranthene						
1	17.544	17.544	0.000	7050036	52.5	
31 Benzo[a]pyrene						
1	18.099	18.099	0.000	7290549	51.5	
32 n-Hexacosane						
2	18.144	18.144	0.000	8051040	47.6	
35 n-Octacosane						
2	19.584	19.584	0.000	8183933	43.2	
33 Indeno[1,2,3-cd]pyrene						
1	20.146	20.146	0.000	7040281	54.9	
34 Dibenz(a,h)anthracene						
1	20.209	20.209	0.000	6442604	51.5	
36 Benzo[g,h,i]perylene						
1	20.561	20.561	0.000	6811899	54.5	
37 Triacontane						
2	20.923	20.923	0.000	8363633	45.9	
38 n-Hexatriacontane						M
2	25.518	25.518	0.000	7560513	49.6	M
A 39 C9-C18 Aliphatics						
2	7.268	3.211 - 11.323		59151528	279.8	
A 40 C11-C22 Aromatics						
1	12.798	4.599 - 21.002		132286881	349.6	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.548	11.323	-25.780	70916303	341.3	
S 44 EPH Adjustment 1						
1					744.9	
S 42 C11-C22 Aromatics (Adjusted)						
2					103.7	
S 43 Total EPH						
2					724.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Dec-2011 13:08:21 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402051.D
Injection Date: 13-Dec-2011 12:56:43 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 1
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 14-Dec-2011 13:08:21 Chrom Revision: 2.0 29-Sep-2011 09:38:02

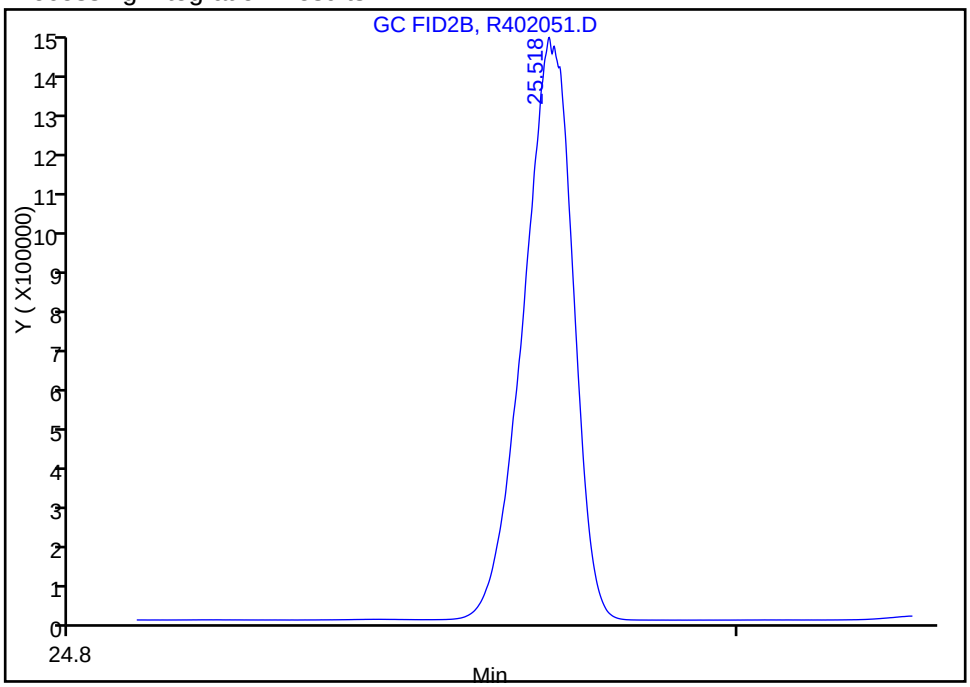
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402051.D		
Injection Date:	13-Dec-2011 12:56:43	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	1
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

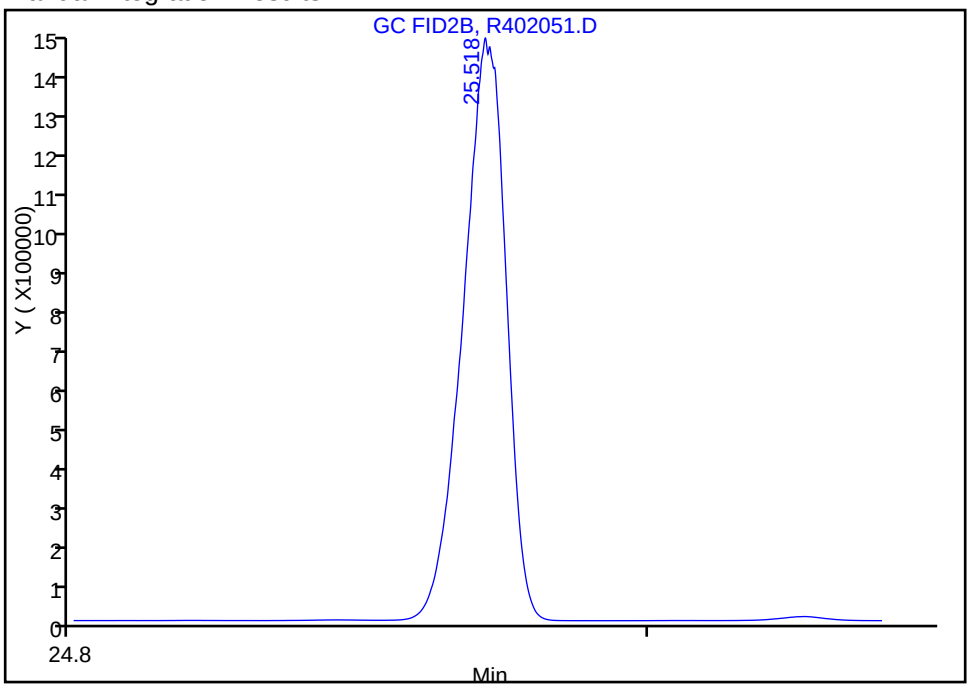
Processing Integration Results

RT: 25.52
Response: 1176846
Amount: 7.718027



Manual Integration Results

RT: 25.52
Response: 7560513
Amount: 49.583585



Reviewer: malanowskiv, 13-Dec-2011 13:41:35
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCV 360-84720/22 Calibration Date: 12/14/2011 01:41

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402093.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	190766		53.9	50.0	7.7	25.0
2-Methylnaphthalene	Ave	171616	183639		53.5	50.0	7.0	25.0
Acenaphthylene	Ave	178861	181819		50.8	50.0	1.7	25.0
Acenaphthene	Ave	178269	183265		51.4	50.0	2.8	25.0
Fluorene	Ave	172973	179957		52.0	50.0	4.0	25.0
Phenanthrene	Ave	165465	170722		51.6	50.0	3.2	25.0
Anthracene	Lin1		168014		54.3	50.0	8.6	25.0
Fluoranthene	Ave	157744	164053		52.0	50.0	4.0	25.0
Pyrene	Ave	168253	172429		51.2	50.0	2.5	25.0
C11-C22 Aromatics	Ave	155886	168366		918	850	8.0	25.0
Benzo[a]anthracene	Lin1		153256		54.7	50.0	9.4	25.0
Chrysene	Lin1		160124		55.3	50.0	10.6	25.0
Benzo[b]fluoranthene	Lin1		159204		57.2	50.0	14.4	25.0
Benzo[k]fluoranthene	Lin1		150230		56.0	50.0	12.0	25.0
Benzo[a]pyrene	Lin1		158302		55.9	50.0	11.8	25.0
Indeno[1,2,3-cd]pyrene	Lin1		150509		58.7	50.0	17.4	25.0
Dibenz(a,h)anthracene	Lin1		136281		54.5	50.0	9.0	25.0
Benzo[g,h,i]perylene	Lin1		141773		56.7	50.0	13.4	25.0
2-Fluorobiphenyl	Ave	142273	148219		52.1	50.0	4.2	25.0
2-Bromonaphthalene	Ave	94136	99961		53.1	50.0	6.2	25.0
o-Terphenyl	Ave	178720	179508		50.2	50.0	0.4	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCV 360-84720/22 Calibration Date: 12/14/2011 01:41

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402093.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.62	6.52	6.72
Acenaphthene	6.90	6.80	7.00
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.55	9.45	9.65
Fluoranthene	11.96	11.86	12.06
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics	12.80	4.60	21.00
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.25	15.15	15.35
Benzo[b]fluoranthene	17.48	17.38	17.58
Benzo[k]fluoranthene	17.54	17.44	17.64
Benzo[a]pyrene	18.10	18.00	18.20
Indeno[1,2,3-cd]pyrene	20.14	20.04	20.24
Dibenz(a,h)anthracene	20.21	20.11	20.31
Benzo[g,h,i]perylene	20.56	20.46	20.66
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.80	6.70	6.90
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402093.D
Lims ID: ccv Client ID:
Inject. Date: 14-Dec-2011 01:41:04 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84720 Lims Sample ID: 22
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m
Last Update: 14-Dec-2011 13:07:41 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH LL
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:32:12

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.942	5.942	0.000	7410973	52.1	
$ 2 2-Bromonaphthalene						
1	6.803	6.803	0.000	4998049	53.1	
$ 3 o-Terphenyl						
1	10.409	10.409	0.000	8975414	50.2	
$ 4 1-Chlorooctadecane						
2	13.979	13.979	0.000	6978621	45.5	
5 n-Nonane						
2	3.316	3.316	0.000	8648851	48.1	
6 n-Decane						
2	4.119	4.119	0.000	8943671	45.0	
7 Naphthalene						
1	4.697	4.697	0.000	9538277	53.9	
8 2-Methylnaphthalene						
1	5.468	5.468	0.000	9181939	53.5	
9 Dodecane						
2	5.678	5.678	0.000	8885346	47.0	
11 Acenaphthylene						
1	6.615	6.615	0.000	9090933	50.8	
12 Acenaphthene						
1	6.896	6.896	0.000	9163270	51.4	
15 n-Tetradecane						
2	7.338	7.338	0.000	8635741	44.2	
14 Fluorene						
1	7.709	7.709	0.000	8997856	52.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.248	9.248	0.000	8608174	46.8	
16 Phenanthrene						
1	9.460	9.460	0.000	8536109	51.6	
17 Anthracene						
1	9.551	9.551	0.000	8400701	54.3	
20 n-Octadecane						
2	11.224	11.224	0.000	8549956	46.9	
19 Fluoranthene						
1	11.955	11.955	0.000	8202634	52.0	
22 C19						
2	12.193	12.193	0.000	8459745	47.7	
21 Pyrene						
1	12.420	12.420	0.000	8621436	51.2	
23 icosane						
2	13.137	13.137	0.000	7778165	44.2	
27 n-Docosane						
2	14.932	14.932	0.000	7963211	45.4	
24 Benzo[a]anthracene						
1	15.150	15.150	0.000	7662780	54.7	
25 Chrysene						
1	15.247	15.247	0.000	8006187	55.3	
28 n-Tetracosane						
2	16.596	16.596	0.000	8072381	45.3	
29 Benzo[b]fluoranthene						
1	17.476	17.476	0.000	7960209	57.2	
30 Benzo[k]fluoranthene						
1	17.543	17.543	0.000	7511522	56.0	
31 Benzo[a]pyrene						
1	18.099	18.099	0.000	7915089	55.9	
32 n-Hexacosane						
2	18.142	18.142	0.000	8458261	50.0	
35 n-Octacosane						
2	19.580	19.580	0.000	8632483	45.5	
33 Indeno[1,2,3-cd]pyrene						
1	20.139	20.139	0.000	7525432	58.7	
34 Dibenz(a,h)anthracene						
1	20.207	20.207	0.000	6814062	54.5	
36 Benzo[g,h,i]perylene						
1	20.559	20.559	0.000	7088658	56.7	
37 Triacontane						
2	20.922	20.922	0.000	8870352	48.7	
38 n-Hexatriacontane						M
2	25.524	25.524	0.000	7725521	50.7	M
A 39 C9-C18 Aliphatics						
2	7.267	3.216 - 11.324		62220650	296.3	
A 40 C11-C22 Aromatics						
1	12.800	4.597 - 20.997		143111090	918.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.552	11.324	-25.784	74628008	359.1	
S 44 EPH Adjustment 1						
1					806.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					111.6	
S 43 Total EPH						
2					767.1	

QC Flag Legend

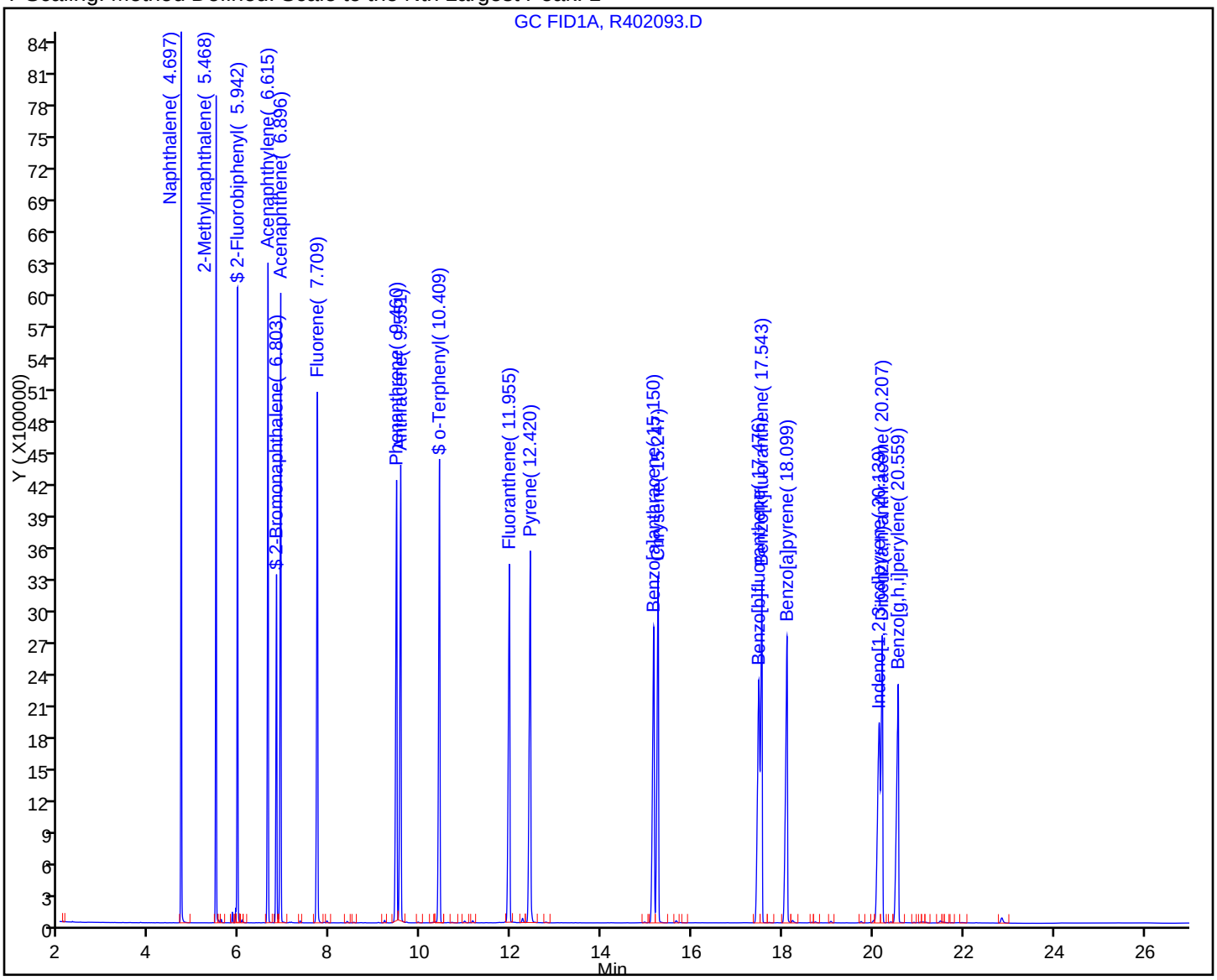
Review Flags
M - Manually Integrated

Report Date: 14-Dec-2011 13:07:41 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402093.D

Injection Date:	14-Dec-2011 01:41:04	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	22
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCV 360-84720/22 Calibration Date: 12/14/2011 01:41

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402093.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		172977		48.1	50.0	-3.8	25.0
n-Decane	Ave	198709	178873		45.0	50.0	-10.0	25.0
Dodecane	Ave	189041	177707		47.0	50.0	-6.0	25.0
C9-C18 Aliphatics	Lin1		207402		296	300	-1.2	25.0
n-Tetradecane	Ave	195285	172715		44.2	50.0	-11.6	25.0
Hexadecane	Ave	183947	172163		46.8	50.0	-6.4	25.0
n-Octadecane	Ave	182400	170999		46.9	50.0	-6.3	25.0
C19	Ave	177362	169195		47.7	50.0	-4.6	25.0
icosane	Ave	175805	155563		44.2	50.0	-11.5	25.0
n-Docosane	Ave	175561	159264		45.4	50.0	-9.3	25.0
n-Tetracosane	Ave	178308	161448		45.3	50.0	-9.5	25.0
n-Hexacosane	Lin1		169165		50.0	50.0	0.0	25.0
C19-C36 Aliphatics	Ave	207807	186570		359	400	-10.2	25.0
n-Octacosane	Ave	189639	172650		45.5	50.0	-9.0	25.0
Triacontane	Ave	182275	177407		48.7	50.0	-2.7	25.0
n-Hexatriacontane	Ave	152480	154510		50.7	50.0	1.3	25.0
1-Chlorooctadecane	Ave	153344	139572		45.5	50.0	-9.0	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCV 360-84720/22 Calibration Date: 12/14/2011 01:41

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402093.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.32	3.22	3.42
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.22	11.32
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.25	9.15	9.35
n-Octadecane	11.22	11.12	11.32
C19	12.19	12.09	12.29
icosane	13.14	13.04	13.24
n-Docosane	14.93	14.83	15.03
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.14	18.04	18.24
C19-C36 Aliphatics	18.55	11.32	25.78
n-Octacosane	19.58	19.48	19.68
Triacontane	20.92	20.82	21.02
n-Hexatriacontane	25.52	25.42	25.62
1-Chlorooctadecane	13.98	13.88	14.08

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402093.D
Lims ID: ccv Client ID:
Inject. Date: 14-Dec-2011 01:41:04 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84720 Lims Sample ID: 22
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m
Last Update: 14-Dec-2011 13:07:41 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH LL
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:32:12

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.942	5.942	0.000	7410973	52.1	
$ 2 2-Bromonaphthalene						
1	6.803	6.803	0.000	4998049	53.1	
$ 3 o-Terphenyl						
1	10.409	10.409	0.000	8975414	50.2	
$ 4 1-Chlorooctadecane						
2	13.979	13.979	0.000	6978621	45.5	
5 n-Nonane						
2	3.316	3.316	0.000	8648851	48.1	
6 n-Decane						
2	4.119	4.119	0.000	8943671	45.0	
7 Naphthalene						
1	4.697	4.697	0.000	9538277	53.9	
8 2-Methylnaphthalene						
1	5.468	5.468	0.000	9181939	53.5	
9 Dodecane						
2	5.678	5.678	0.000	8885346	47.0	
11 Acenaphthylene						
1	6.615	6.615	0.000	9090933	50.8	
12 Acenaphthene						
1	6.896	6.896	0.000	9163270	51.4	
15 n-Tetradecane						
2	7.338	7.338	0.000	8635741	44.2	
14 Fluorene						
1	7.709	7.709	0.000	8997856	52.0	

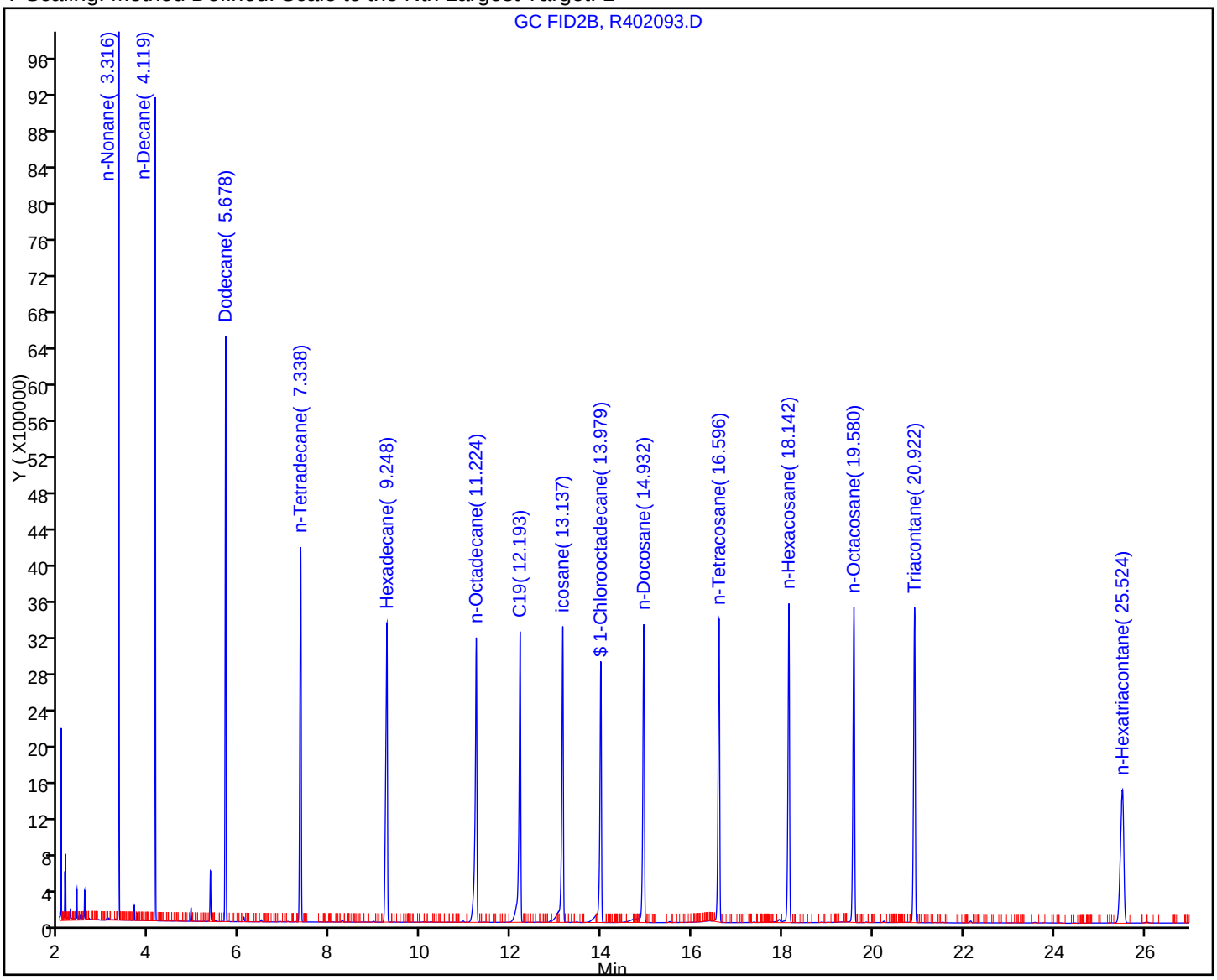
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.248	9.248	0.000	8608174	46.8	
16 Phenanthrene						
1	9.460	9.460	0.000	8536109	51.6	
17 Anthracene						
1	9.551	9.551	0.000	8400701	54.3	
20 n-Octadecane						
2	11.224	11.224	0.000	8549956	46.9	
19 Fluoranthene						
1	11.955	11.955	0.000	8202634	52.0	
22 C19						
2	12.193	12.193	0.000	8459745	47.7	
21 Pyrene						
1	12.420	12.420	0.000	8621436	51.2	
23 icosane						
2	13.137	13.137	0.000	7778165	44.2	
27 n-Docosane						
2	14.932	14.932	0.000	7963211	45.4	
24 Benzo[a]anthracene						
1	15.150	15.150	0.000	7662780	54.7	
25 Chrysene						
1	15.247	15.247	0.000	8006187	55.3	
28 n-Tetracosane						
2	16.596	16.596	0.000	8072381	45.3	
29 Benzo[b]fluoranthene						
1	17.476	17.476	0.000	7960209	57.2	
30 Benzo[k]fluoranthene						
1	17.543	17.543	0.000	7511522	56.0	
31 Benzo[a]pyrene						
1	18.099	18.099	0.000	7915089	55.9	
32 n-Hexacosane						
2	18.142	18.142	0.000	8458261	50.0	
35 n-Octacosane						
2	19.580	19.580	0.000	8632483	45.5	
33 Indeno[1,2,3-cd]pyrene						
1	20.139	20.139	0.000	7525432	58.7	
34 Dibenz(a,h)anthracene						
1	20.207	20.207	0.000	6814062	54.5	
36 Benzo[g,h,i]perylene						
1	20.559	20.559	0.000	7088658	56.7	
37 Triacontane						
2	20.922	20.922	0.000	8870352	48.7	
38 n-Hexatriacontane						M
2	25.524	25.524	0.000	7725521	50.7	M
A 39 C9-C18 Aliphatics						
2	7.267	3.216 - 11.324		62220650	296.3	
A 40 C11-C22 Aromatics						
1	12.800	4.597 - 20.997		143111090	918.0	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.552	11.324	-25.784	74628008	359.1	
S 44 EPH Adjustment 1						
1					806.5	
S 42 C11-C22 Aromatics (Adjusted)						
2					111.6	
S 43 Total EPH						
2					767.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Dec-2011 13:07:42 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402093.D
Injection Date: 14-Dec-2011 01:41:04 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 22
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



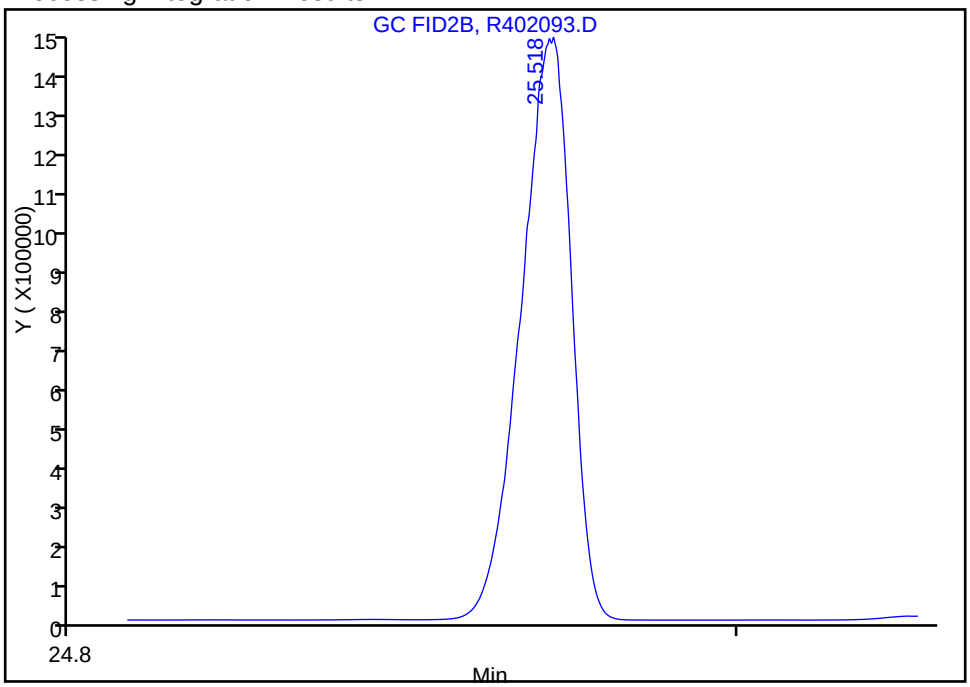
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402093.D		
Injection Date:	14-Dec-2011 01:41:04	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	22
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

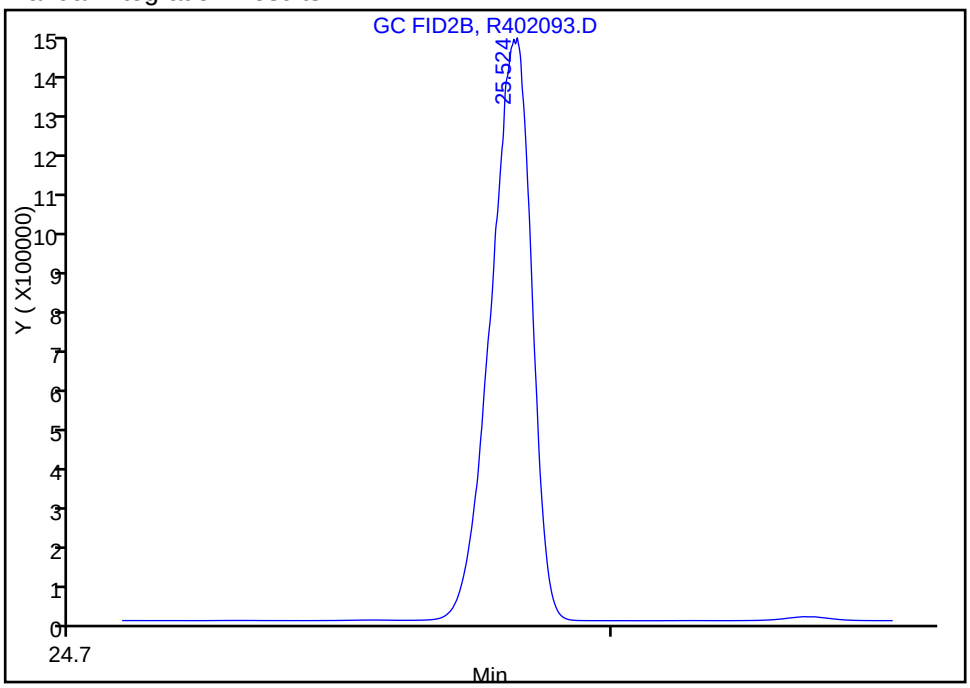
Processing Integration Results

RT: 25.52
Response: 1384086
Amount: 9.077155



Manual Integration Results

RT: 25.52
Response: 7725521
Amount: 50.665745



Reviewer: malanowskiv, 14-Dec-2011 07:06:44
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCV 360-84720/30 Calibration Date: 12/14/2011 12:36

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402111.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	177078	174806		49.4	50.0	-1.3	25.0
2-Methylnaphthalene	Ave	171616	168475		49.1	50.0	-1.8	25.0
Acenaphthylene	Ave	178861	167500		46.8	50.0	-6.4	25.0
Acenaphthene	Ave	178269	168669		47.3	50.0	-5.4	25.0
Fluorene	Ave	172973	165799		47.9	50.0	-4.1	25.0
Phenanthrene	Ave	165465	158237		47.8	50.0	-4.4	25.0
Anthracene	Lin1		156212		50.5	50.0	1.0	25.0
Fluoranthene	Ave	157744	154234		48.9	50.0	-2.2	25.0
Pyrene	Ave	168253	162016		48.1	50.0	-3.7	25.0
C11-C22 Aromatics	Ave	155886	157005		856	850	0.7	25.0
Benzo[a]anthracene	Lin1		144906		51.7	50.0	3.4	25.0
Chrysene	Lin1		151591		52.3	50.0	4.6	25.0
Benzo[b]fluoranthene	Lin1		148349		53.3	50.0	6.6	25.0
Benzo[k]fluoranthene	Lin1		144260		53.7	50.0	7.4	25.0
Benzo[a]pyrene	Lin1		149561		52.8	50.0	5.6	25.0
Indeno[1,2,3-cd]pyrene	Lin1		138034		53.8	50.0	7.6	25.0
Dibenz(a,h)anthracene	Lin1		132577		53.0	50.0	6.0	25.0
Benzo[g,h,i]perylene	Lin1		133664		53.4	50.0	6.8	25.0
2-Fluorobiphenyl	Ave	142273	136027		47.8	50.0	-4.4	25.0
2-Bromonaphthalene	Ave	94136	91938		48.8	50.0	-2.3	25.0
o-Terphenyl	Ave	178720	167030		46.7	50.0	-6.5	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCV 360-84720/30 Calibration Date: 12/14/2011 12:36

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402111.D

Analyte	RT	RT WINDOW	
		TO	FROM
Naphthalene	4.70	4.60	4.80
2-Methylnaphthalene	5.47	5.37	5.57
Acenaphthylene	6.62	6.52	6.72
Acenaphthene	6.90	6.80	7.00
Fluorene	7.71	7.61	7.81
Phenanthrene	9.46	9.36	9.56
Anthracene	9.55	9.45	9.65
Fluoranthene	11.95	11.85	12.05
Pyrene	12.42	12.32	12.52
C11-C22 Aromatics	12.80	4.60	21.00
Benzo[a]anthracene	15.15	15.05	15.25
Chrysene	15.24	15.14	15.34
Benzo[b]fluoranthene	17.48	17.38	17.58
Benzo[k]fluoranthene	17.54	17.44	17.64
Benzo[a]pyrene	18.09	17.99	18.19
Indeno[1,2,3-cd]pyrene	20.14	20.04	20.24
Dibenz(a,h)anthracene	20.21	20.11	20.31
Benzo[g,h,i]perylene	20.55	20.45	20.65
2-Fluorobiphenyl	5.94	5.84	6.04
2-Bromonaphthalene	6.80	6.70	6.90
o-Terphenyl	10.41	10.31	10.51

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402111.D
Lims ID: ccv Client ID:
Inject. Date: 14-Dec-2011 12:36:28 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84720 Lims Sample ID: 30
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m
Last Update: 14-Dec-2011 13:07:24 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH LL
Integrator: Falcon
Process Host: CORPRDS01

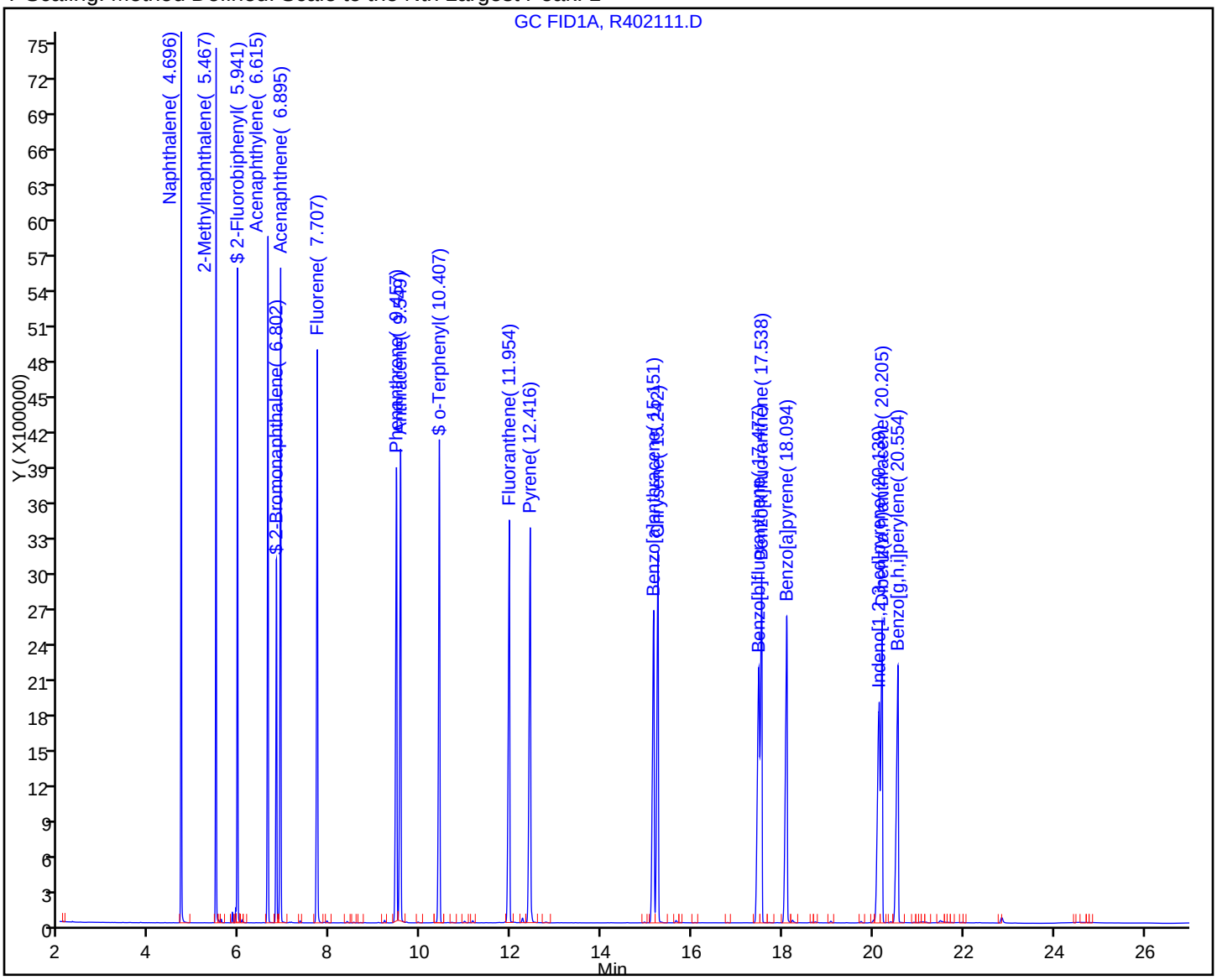
First Level Reviewer: malanowskiv Date: 14-Dec-2011 13:07:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.941	5.941	0.000	6801359	47.8	
$ 2 2-Bromonaphthalene						
1	6.802	6.802	0.000	4596884	48.8	
$ 3 o-Terphenyl						
1	10.407	10.407	0.000	8351484	46.7	
$ 4 1-Chlorooctadecane						
2	13.980	13.980	0.000	7302462	47.6	
5 n-Nonane						
2	3.317	3.317	0.000	8588964	47.8	
6 n-Decane						
2	4.120	4.120	0.000	8836602	44.5	
7 Naphthalene						
1	4.696	4.696	0.000	8740279	49.4	
8 2-Methylnaphthalene						
1	5.467	5.467	0.000	8423761	49.1	
9 Dodecane						
2	5.678	5.678	0.000	8764377	46.4	
11 Acenaphthylene						
1	6.615	6.615	0.000	8374985	46.8	
12 Acenaphthene						
1	6.895	6.895	0.000	8433446	47.3	
15 n-Tetradecane						
2	7.338	7.338	0.000	8508602	43.6	
14 Fluorene						
1	7.707	7.707	0.000	8289952	47.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.244	9.244	0.000	8481348	46.1	
16 Phenanthrene						
1	9.457	9.457	0.000	7911826	47.8	
17 Anthracene						
1	9.549	9.549	0.000	7810580	50.5	
20 n-Octadecane						
2	11.222	11.222	0.000	8413310	46.1	
19 Fluoranthene						
1	11.954	11.954	0.000	7711677	48.9	
22 C19						
2	12.192	12.192	0.000	8327832	47.0	
21 Pyrene						
1	12.416	12.416	0.000	8100800	48.1	
23 icosane						
2	13.136	13.136	0.000	7611776	43.3	
27 n-Docosane						
2	14.929	14.929	0.000	7872180	44.8	
24 Benzo[a]anthracene						
1	15.151	15.151	0.000	7245324	51.7	
25 Chrysene						
1	15.242	15.242	0.000	7579566	52.3	
28 n-Tetracosane						
2	16.595	16.595	0.000	8004909	44.9	
29 Benzo[b]fluoranthene						
1	17.477	17.477	0.000	7417453	53.3	
30 Benzo[k]fluoranthene						
1	17.538	17.538	0.000	7212983	53.7	
31 Benzo[a]pyrene						
1	18.094	18.094	0.000	7478057	52.8	
32 n-Hexacosane						
2	18.141	18.141	0.000	8352032	49.4	
35 n-Octacosane						
2	19.581	19.581	0.000	8585635	45.3	
33 Indeno[1,2,3-cd]pyrene						
1	20.139	20.139	0.000	6901712	53.8	
34 Dibenz(a,h)anthracene						
1	20.205	20.205	0.000	6628849	53.0	
36 Benzo[g,h,i]perylene						
1	20.554	20.554	0.000	6683182	53.4	
37 Triacontane						
2	20.922	20.922	0.000	8833870	48.5	
38 n-Hexatriacontane						
2	25.516	25.516	0.000	7551082	49.5	
A 39 C9-C18 Aliphatics						
2	7.270	3.217 - 11.322		58584117	276.7	
A 40 C11-C22 Aromatics						
1	12.797	4.596 - 20.995		133454454	856.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.554	11.322	-25.767	72899116	350.8	
S 44 EPH Adjustment 1						
1					753.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					103.0	
S 43 Total EPH						
2					730.5	

Report Date: 14-Dec-2011 13:07:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402111.D
Injection Date: 14-Dec-2011 12:36:28 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 30
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCV 360-84720/30 Calibration Date: 12/14/2011 12:36

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402111.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Nonane	Lin1		171779		47.8	50.0	-4.4	25.0
n-Decane	Ave	198709	176732		44.5	50.0	-11.1	25.0
Dodecane	Ave	189041	175288		46.4	50.0	-7.3	25.0
C9-C18 Aliphatics	Lin1		195280		277	300	-7.8	25.0
n-Tetradecane	Ave	195285	170172		43.6	50.0	-12.9	25.0
Hexadecane	Ave	183947	169627		46.1	50.0	-7.8	25.0
n-Octadecane	Ave	182400	168266		46.1	50.0	-7.7	25.0
C19	Ave	177362	166557		47.0	50.0	-6.1	25.0
icosane	Ave	175805	152236		43.3	50.0	-13.4	25.0
n-Docosane	Ave	175561	157444		44.8	50.0	-10.3	25.0
n-Tetracosane	Ave	178308	160098		44.9	50.0	-10.2	25.0
n-Hexacosane	Lin1		167041		49.4	50.0	-1.2	25.0
C19-C36 Aliphatics	Ave	207807	182248		351	400	-12.3	25.0
n-Octacosane	Ave	189639	171713		45.3	50.0	-9.5	25.0
Triacontane	Ave	182275	176677		48.5	50.0	-3.1	25.0
n-Hexatriacontane	Ave	152480	151022		49.5	50.0	-1.0	25.0
1-Chlorooctadecane	Ave	153344	146049		47.6	50.0	-4.8	25.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: CCV 360-84720/30 Calibration Date: 12/14/2011 12:36

Instrument ID: INST R Calib Start Date: 11/04/2011 15:33

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 11/04/2011 20:03

Lab File ID: R402111.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Nonane	3.32	3.22	3.42
n-Decane	4.12	4.02	4.22
Dodecane	5.68	5.58	5.78
C9-C18 Aliphatics	7.27	3.22	11.32
n-Tetradecane	7.34	7.24	7.44
Hexadecane	9.24	9.14	9.34
n-Octadecane	11.22	11.12	11.32
C19	12.19	12.09	12.29
icosane	13.14	13.04	13.24
n-Docosane	14.93	14.83	15.03
n-Tetracosane	16.60	16.50	16.70
n-Hexacosane	18.14	18.04	18.24
C19-C36 Aliphatics	18.55	11.32	25.77
n-Octacosane	19.58	19.48	19.68
Triacontane	20.92	20.82	21.02
n-Hexatriacontane	25.52	25.42	25.62
1-Chlorooctadecane	13.98	13.88	14.08

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402111.D
Lims ID: ccv Client ID:
Inject. Date: 14-Dec-2011 12:36:28 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.:
Operator: VM Instrument ID: INST R
Vol. Injected: 1.0000 ALS Bottle#: 100
Lims Batch ID: 84720 Lims Sample ID: 30
Sublist: chrom-MAEPH-R*sub2
Detector 1 : GC FID1A
Detector 2 : GC FID2B

Method: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m
Last Update: 14-Dec-2011 13:07:24 Calib Date: 04-Nov-2011 21:45:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D
Limit Group: GC MA EPH LL
Integrator: Falcon
Process Host: CORPRDS01

First Level Reviewer: malanowskiv Date: 14-Dec-2011 13:07:24

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.941	5.941	0.000	6801359	47.8	
$ 2 2-Bromonaphthalene						
1	6.802	6.802	0.000	4596884	48.8	
$ 3 o-Terphenyl						
1	10.407	10.407	0.000	8351484	46.7	
$ 4 1-Chlorooctadecane						
2	13.980	13.980	0.000	7302462	47.6	
5 n-Nonane						
2	3.317	3.317	0.000	8588964	47.8	
6 n-Decane						
2	4.120	4.120	0.000	8836602	44.5	
7 Naphthalene						
1	4.696	4.696	0.000	8740279	49.4	
8 2-Methylnaphthalene						
1	5.467	5.467	0.000	8423761	49.1	
9 Dodecane						
2	5.678	5.678	0.000	8764377	46.4	
11 Acenaphthylene						
1	6.615	6.615	0.000	8374985	46.8	
12 Acenaphthene						
1	6.895	6.895	0.000	8433446	47.3	
15 n-Tetradecane						
2	7.338	7.338	0.000	8508602	43.6	
14 Fluorene						
1	7.707	7.707	0.000	8289952	47.9	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
18 Hexadecane						
2	9.244	9.244	0.000	8481348	46.1	
16 Phenanthrene						
1	9.457	9.457	0.000	7911826	47.8	
17 Anthracene						
1	9.549	9.549	0.000	7810580	50.5	
20 n-Octadecane						
2	11.222	11.222	0.000	8413310	46.1	
19 Fluoranthene						
1	11.954	11.954	0.000	7711677	48.9	
22 C19						
2	12.192	12.192	0.000	8327832	47.0	
21 Pyrene						
1	12.416	12.416	0.000	8100800	48.1	
23 icosane						
2	13.136	13.136	0.000	7611776	43.3	
27 n-Docosane						
2	14.929	14.929	0.000	7872180	44.8	
24 Benzo[a]anthracene						
1	15.151	15.151	0.000	7245324	51.7	
25 Chrysene						
1	15.242	15.242	0.000	7579566	52.3	
28 n-Tetracosane						
2	16.595	16.595	0.000	8004909	44.9	
29 Benzo[b]fluoranthene						
1	17.477	17.477	0.000	7417453	53.3	
30 Benzo[k]fluoranthene						
1	17.538	17.538	0.000	7212983	53.7	
31 Benzo[a]pyrene						
1	18.094	18.094	0.000	7478057	52.8	
32 n-Hexacosane						
2	18.141	18.141	0.000	8352032	49.4	
35 n-Octacosane						
2	19.581	19.581	0.000	8585635	45.3	
33 Indeno[1,2,3-cd]pyrene						
1	20.139	20.139	0.000	6901712	53.8	
34 Dibenz(a,h)anthracene						
1	20.205	20.205	0.000	6628849	53.0	
36 Benzo[g,h,i]perylene						
1	20.554	20.554	0.000	6683182	53.4	
37 Triacontane						
2	20.922	20.922	0.000	8833870	48.5	
38 n-Hexatriacontane						
2	25.516	25.516	0.000	7551082	49.5	
A 39 C9-C18 Aliphatics						
2	7.270	3.217 - 11.322		58584117	276.7	
A 40 C11-C22 Aromatics						
1	12.797	4.596 - 20.995		133454454	856.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 41 C19-C36 Aliphatics						
2	18.554	11.322	-25.767	72899116	350.8	
S 44 EPH Adjustment 1						
1					753.1	
S 42 C11-C22 Aromatics (Adjusted)						
2					103.0	
S 43 Total EPH						
2					730.5	

Report Date: 14-Dec-2011 13:07:24 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402111.D
Injection Date: 14-Dec-2011 12:36:28 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 30
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37913-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 360-84516/1-A

Matrix: Water | Lab File ID: R402095.D

Analysis Method: MA-EPH-LL | Date Collected:

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 12/14/2011 08:02

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	ND		1.0	1.0
208-96-8	Acenaphthylene	ND		0.30	0.30
120-12-7	Anthracene	ND		1.0	1.0
56-55-3	Benzo[a]anthracene	ND		0.30	0.30
50-32-8	Benzo[a]pyrene	ND		0.20	0.20
205-99-2	Benzo[b]fluoranthene	ND		0.30	0.30
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.50
207-08-9	Benzo[k]fluoranthene	ND		0.30	0.30
218-01-9	Chrysene	ND		1.0	1.0
53-70-3	Dibenz(a,h)anthracene	ND		0.45	0.45
206-44-0	Fluoranthene	ND		1.0	1.0
86-73-7	Fluorene	ND		1.0	1.0
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.45	0.45
91-57-6	2-Methylnaphthalene	ND		1.0	1.0
91-20-3	Naphthalene	ND		1.0	1.0
85-01-8	Phenanthrene	ND		0.20	0.20
129-00-0	Pyrene	ND		1.0	1.0
STL00058	C11-C22 Aromatics	ND		100	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	74		40-140
321-60-8	2-Fluorobiphenyl	74		40-140
84-15-1	o-Terphenyl	73		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402095.D		
Lims ID:	MB 360-84516/1-A	Client ID:	
Inject. Date:	14-Dec-2011 08:02:43	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 360-84516/1-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	84720	Lims Sample ID:	23
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:32:12	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:32:28

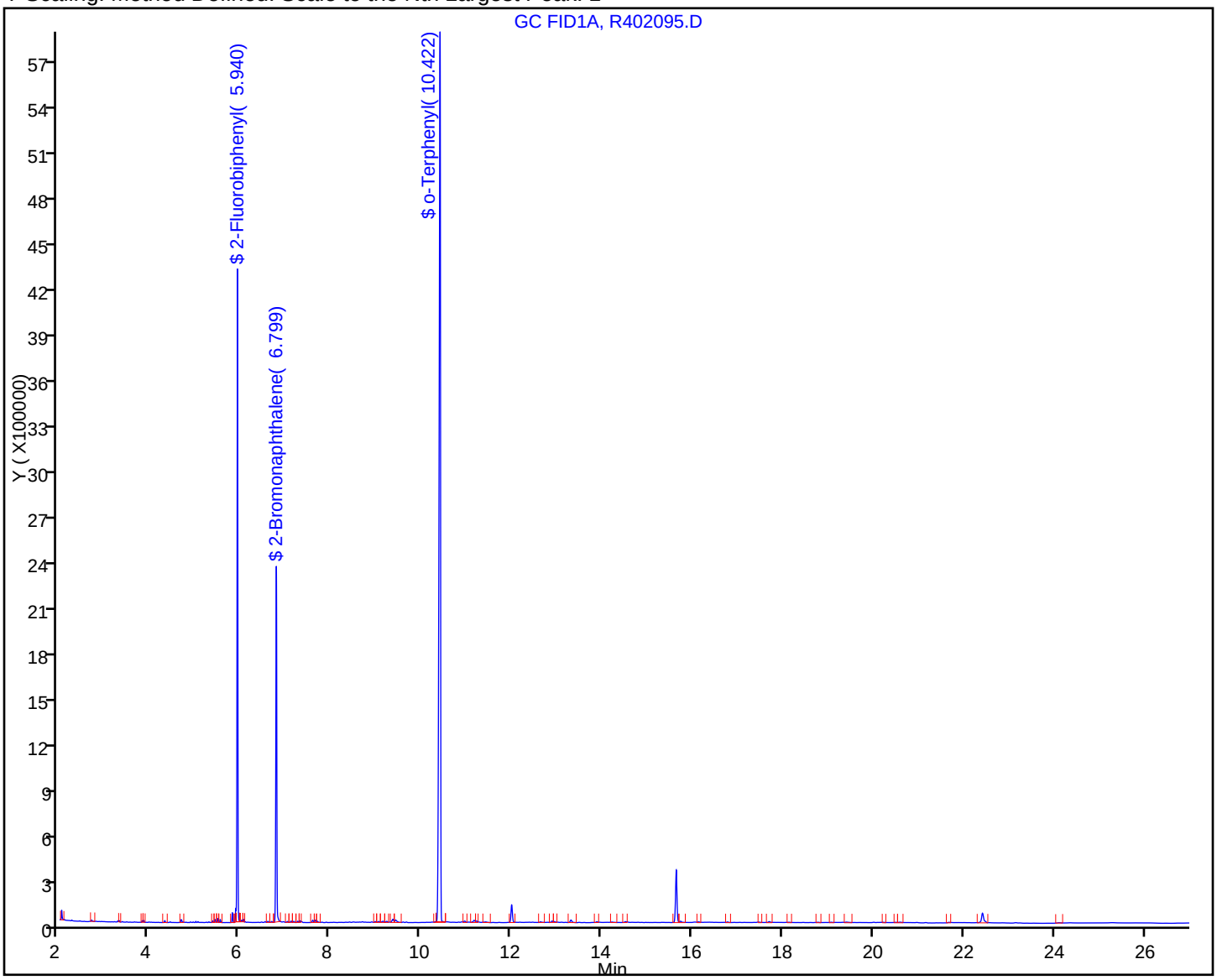
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.940	5.942	-0.002	5248692	36.9	
$ 2 2-Bromonaphthalene						
1	6.799	6.803	-0.004	3472099	36.9	
$ 3 o-Terphenyl						
1	10.422	10.409	0.013	13071267	73.1	
$ 4 1-Chlorooctadecane						
2	13.983	13.979	0.004	11901137	77.6	
A 39 C9-C18 Aliphatics						
2	7.267	3.216 - 11.324		7786734	2.48	
A 40 C11-C22 Aromatics						
1	12.800	4.597 - 20.997		3692029	23.7	
A 41 C19-C36 Aliphatics						
2	18.552	11.324 - 25.784		7584553	36.5	
S 43 Total EPH						
2					62.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					23.7	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:32:28 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402095.D
Injection Date: 14-Dec-2011 08:02:43 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 23
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 360-84516/1-A

Matrix: Water Lab File ID: R402095.D

Analysis Method: MA-EPH-LL Date Collected:

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 12/14/2011 08:02

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00203	C11-C22 Aromatics (Adjusted)	ND		100	100
STL00087	C19-C36 Aliphatics	ND		100	100
STL00306	C9-C18 Aliphatics	ND		100	100
STL00362	Total EPH	ND		100	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	78		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402095.D		
Lims ID:	MB 360-84516/1-A	Client ID:	
Inject. Date:	14-Dec-2011 08:02:43	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 360-84516/1-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	84720	Lims Sample ID:	23
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:32:12	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:32:28

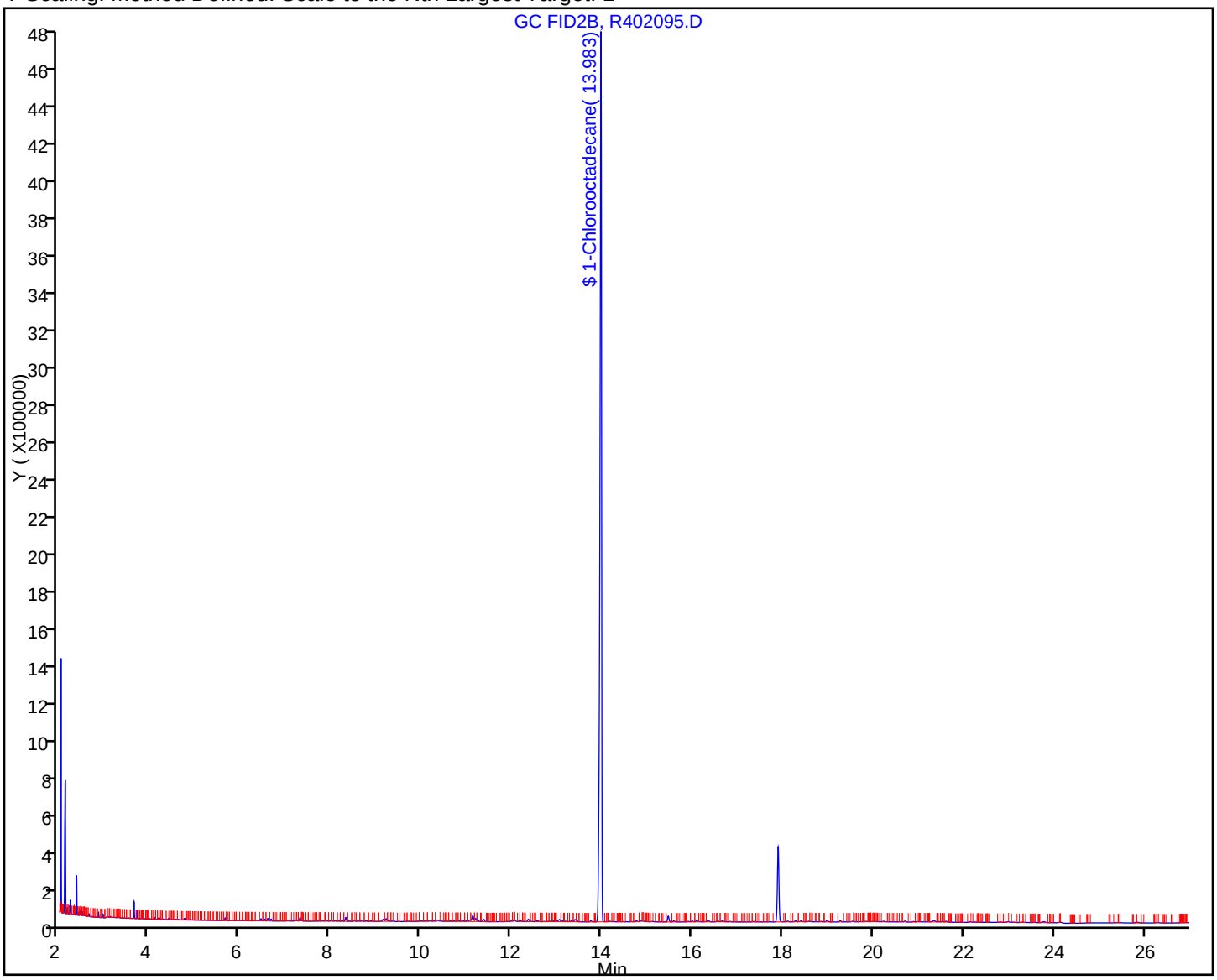
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.940	5.942	-0.002	5248692	36.9	
$ 2 2-Bromonaphthalene						
1	6.799	6.803	-0.004	3472099	36.9	
$ 3 o-Terphenyl						
1	10.422	10.409	0.013	13071267	73.1	
$ 4 1-Chlorooctadecane						
2	13.983	13.979	0.004	11901137	77.6	
A 39 C9-C18 Aliphatics						
2	7.267	3.216 - 11.324		7786734	2.48	
A 40 C11-C22 Aromatics						
1	12.800	4.597 - 20.997		3692029	23.7	
A 41 C19-C36 Aliphatics						
2	18.552	11.324 - 25.784		7584553	36.5	
S 43 Total EPH						
2					62.7	
S 42 C11-C22 Aromatics (Adjusted)						
2					23.7	
S 44 EPH Adjustment 1						
1					0	7

LOD = 0.5000

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 14-Dec-2011 11:32:28 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402095.D
Injection Date: 14-Dec-2011 08:02:43 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 23
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37913-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 360-84516/2-A

Matrix: Water | Lab File ID: R402061.D

Analysis Method: MA-EPH-LL | Date Collected:

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 12/13/2011 16:34

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	80.4		1.0	1.0
208-96-8	Acenaphthylene	81.4		0.30	0.30
120-12-7	Anthracene	97.8		1.0	1.0
56-55-3	Benzo[a]anthracene	106		0.30	0.30
50-32-8	Benzo[a]pyrene	105		0.20	0.20
205-99-2	Benzo[b]fluoranthene	117		0.30	0.30
191-24-2	Benzo[g,h,i]perylene	118		0.50	0.50
207-08-9	Benzo[k]fluoranthene	105		0.30	0.30
218-01-9	Chrysene	103		1.0	1.0
53-70-3	Dibenz(a,h)anthracene	110		0.45	0.45
206-44-0	Fluoranthene	97.0		1.0	1.0
86-73-7	Fluorene	89.0		1.0	1.0
193-39-5	Indeno[1,2,3-cd]pyrene	124		0.45	0.45
91-57-6	2-Methylnaphthalene	77.0		1.0	1.0
91-20-3	Naphthalene	69.8		1.0	1.0
85-01-8	Phenanthrene	93.2		0.20	0.20
129-00-0	Pyrene	93.0		1.0	1.0
STL00058	C11-C22 Aromatics	1670		100	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	76		40-140
321-60-8	2-Fluorobiphenyl	76		40-140
84-15-1	o-Terphenyl	91		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402061.D		
Lims ID:	LCS 360-84516/2-A	Client ID:	
Inject. Date:	13-Dec-2011 16:34:34	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 360-84516/2-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	84720	Lims Sample ID:	6
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:30:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.944	-0.005	5427737	38.2	
$ 2 2-Bromonaphthalene						
1	6.799	6.805	-0.006	3571490	37.9	
$ 3 o-Terphenyl						
1	10.422	10.414	0.008	16302164	91.2	
$ 4 1-Chlorooctadecane						
2	13.994	13.979	0.015	12679930	82.7	
5 n-Nonane						
2	3.314	3.311	0.003	3009972	16.7	
6 n-Decane						
2	4.117	4.116	0.001	3800264	19.1	
7 Naphthalene						
1	4.690	4.699	-0.009	6178719	34.9	
8 2-Methylnaphthalene						
1	5.464	5.470	-0.006	6606724	38.5	
9 Dodecane						
2	5.676	5.675	0.001	5094598	26.9	
10 Naphthalene_B						
2	5.741	5.750	-0.009	304488	1.46	
11 Acenaphthylene						
1	6.612	6.619	-0.007	7271400	40.7	
13 2-Methylnaphthalene_B						
2	6.646	6.654	-0.008	370112	1.80	
12 Acenaphthene						
1	6.892	6.899	-0.007	7171360	40.2	
15 n-Tetradecane						
2	7.339	7.335	0.004	6701962	34.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
14 Fluorene						
1	7.705	7.712	-0.007	7690349	44.5	
18 Hexadecane						
2	9.247	9.241	0.006	7456410	40.5	
16 Phenanthrene						
1	9.459	9.464	-0.005	7716890	46.6	
17 Anthracene						
1	9.549	9.556	-0.007	7566338	48.9	
20 n-Octadecane						
2	11.224	11.223	0.001	7805454	42.8	
19 Fluoranthene						
1	11.954	11.961	-0.007	7652476	48.5	
22 C19						
2	12.196	12.193	0.003	7804313	44.0	
21 Pyrene						
1	12.418	12.424	-0.006	7825410	46.5	
23 icosane						
2	13.140	13.138	0.002	7209502	41.0	
27 n-Docosane						
2	14.934	14.930	0.004	7370848	42.0	
24 Benzo[a]anthracene						
1	15.149	15.153	-0.004	7425963	53.0	
25 Chrysene						
1	15.247	15.249	-0.002	7477501	51.6	
28 n-Tetracosane						
2	16.597	16.597	0.000	7489072	42.0	
29 Benzo[b]fluoranthene						
1	17.481	17.474	0.007	8113675	58.3	
30 Benzo[k]fluoranthene						
1	17.543	17.544	-0.001	7066656	52.6	
31 Benzo[a]pyrene						
1	18.100	18.099	0.001	7435151	52.5	
32 n-Hexacosane						
2	18.144	18.144	0.000	7790983	46.1	
35 n-Octacosane						
2	19.581	19.584	-0.003	7822100	41.2	
33 Indeno[1,2,3-cd]pyrene						
1	20.149	20.146	0.003	7924024	61.8	
34 Dibenz(a,h)anthracene						
1	20.210	20.209	0.001	6873041	55.0	
36 Benzo[g,h,i]perylene						
1	20.563	20.561	0.002	7359486	58.9	
37 Triacontane						
2	20.925	20.923	0.002	8226737	45.1	
38 n-Hexatriacontane						
2	25.527	25.518	0.009	8285137	54.3	
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		36652915	159.3	

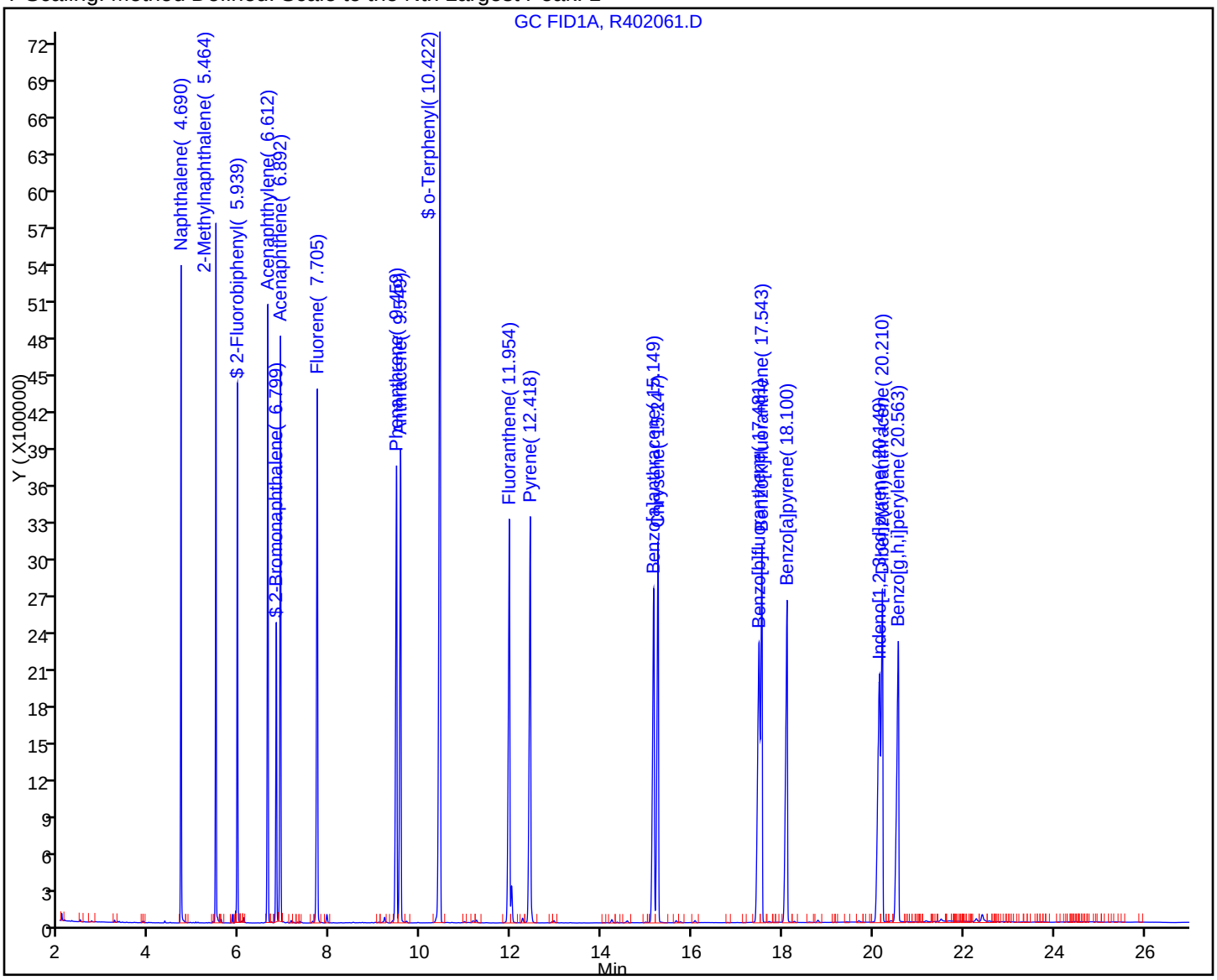
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		130202066	835.2	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		78051510	375.6	

Report Date: 14-Dec-2011 11:30:47 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402061.D

Injection Date:	13-Dec-2011 16:34:34	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	6
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 360-84516/2-A

Matrix: Water Lab File ID: R402061.D

Analysis Method: MA-EPH-LL Date Collected:

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 12/13/2011 16:34

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	751		100	100
STL00306	C9-C18 Aliphatics	317		100	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	83		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402061.D		
Lims ID:	LCS 360-84516/2-A	Client ID:	
Inject. Date:	13-Dec-2011 16:34:34	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 360-84516/2-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	84720	Lims Sample ID:	6
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:30:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.939	5.944	-0.005	5427737	38.2	
$ 2 2-Bromonaphthalene						
1	6.799	6.805	-0.006	3571490	37.9	
$ 3 o-Terphenyl						
1	10.422	10.414	0.008	16302164	91.2	
$ 4 1-Chlorooctadecane						
2	13.994	13.979	0.015	12679930	82.7	
5 n-Nonane						
2	3.314	3.311	0.003	3009972	16.7	
6 n-Decane						
2	4.117	4.116	0.001	3800264	19.1	
7 Naphthalene						
1	4.690	4.699	-0.009	6178719	34.9	
8 2-Methylnaphthalene						
1	5.464	5.470	-0.006	6606724	38.5	
9 Dodecane						
2	5.676	5.675	0.001	5094598	26.9	
10 Naphthalene_B						
2	5.741	5.750	-0.009	304488	1.46	
11 Acenaphthylene						
1	6.612	6.619	-0.007	7271400	40.7	
13 2-Methylnaphthalene_B						
2	6.646	6.654	-0.008	370112	1.80	
12 Acenaphthene						
1	6.892	6.899	-0.007	7171360	40.2	
15 n-Tetradecane						
2	7.339	7.335	0.004	6701962	34.3	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
14 Fluorene						
1	7.705	7.712	-0.007	7690349	44.5	
18 Hexadecane						
2	9.247	9.241	0.006	7456410	40.5	
16 Phenanthrene						
1	9.459	9.464	-0.005	7716890	46.6	
17 Anthracene						
1	9.549	9.556	-0.007	7566338	48.9	
20 n-Octadecane						
2	11.224	11.223	0.001	7805454	42.8	
19 Fluoranthene						
1	11.954	11.961	-0.007	7652476	48.5	
22 C19						
2	12.196	12.193	0.003	7804313	44.0	
21 Pyrene						
1	12.418	12.424	-0.006	7825410	46.5	
23 icosane						
2	13.140	13.138	0.002	7209502	41.0	
27 n-Docosane						
2	14.934	14.930	0.004	7370848	42.0	
24 Benzo[a]anthracene						
1	15.149	15.153	-0.004	7425963	53.0	
25 Chrysene						
1	15.247	15.249	-0.002	7477501	51.6	
28 n-Tetracosane						
2	16.597	16.597	0.000	7489072	42.0	
29 Benzo[b]fluoranthene						
1	17.481	17.474	0.007	8113675	58.3	
30 Benzo[k]fluoranthene						
1	17.543	17.544	-0.001	7066656	52.6	
31 Benzo[a]pyrene						
1	18.100	18.099	0.001	7435151	52.5	
32 n-Hexacosane						
2	18.144	18.144	0.000	7790983	46.1	
35 n-Octacosane						
2	19.581	19.584	-0.003	7822100	41.2	
33 Indeno[1,2,3-cd]pyrene						
1	20.149	20.146	0.003	7924024	61.8	
34 Dibenz(a,h)anthracene						
1	20.210	20.209	0.001	6873041	55.0	
36 Benzo[g,h,i]perylene						
1	20.563	20.561	0.002	7359486	58.9	
37 Triacontane						
2	20.925	20.923	0.002	8226737	45.1	
38 n-Hexatriacontane						
2	25.527	25.518	0.009	8285137	54.3	
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		36652915	159.3	

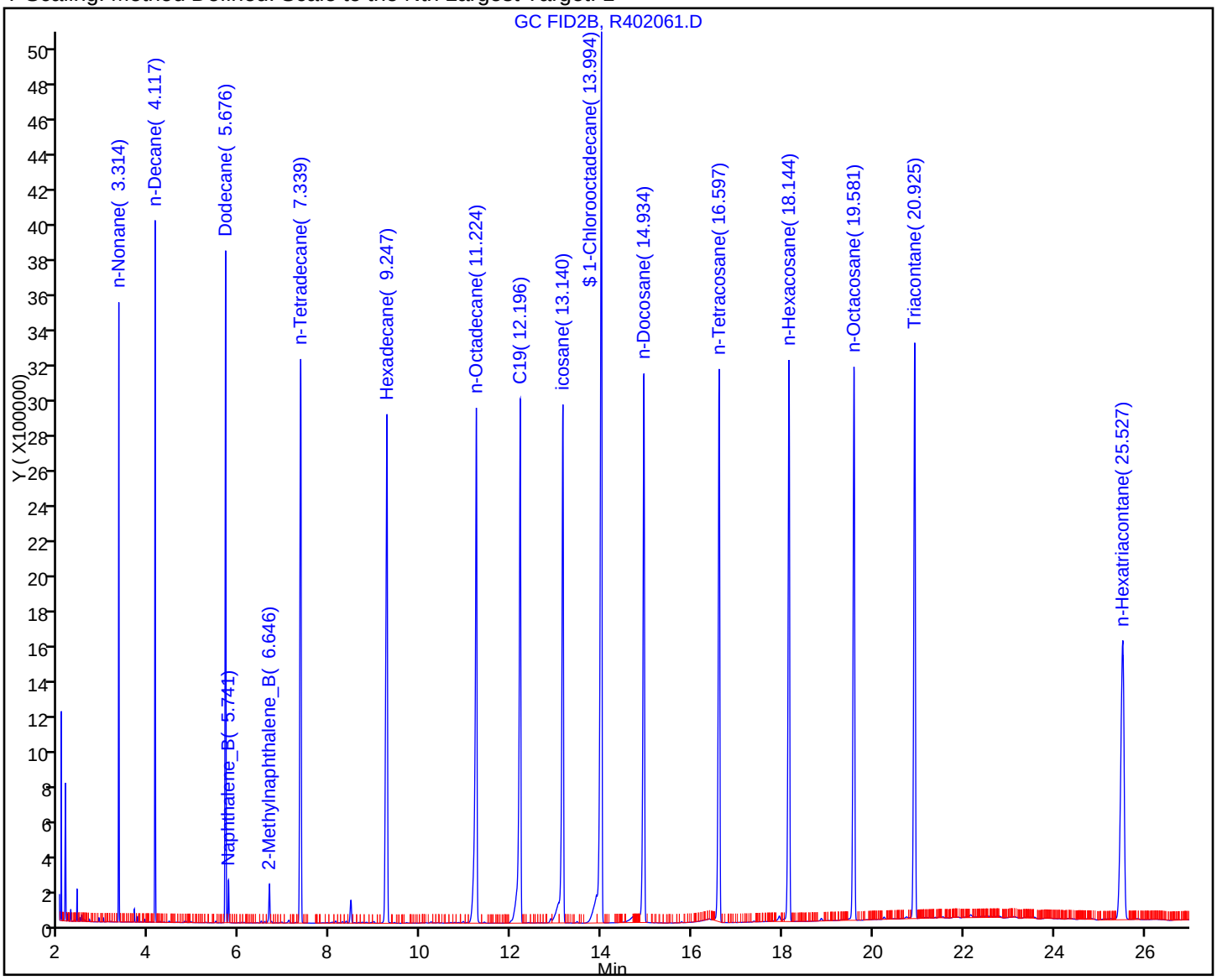
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		130202066	835.2	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		78051510	375.6	

Report Date: 14-Dec-2011 11:30:48 Chrom Revision: 2.0 29-Sep-2011 09:38:02

Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402061.D

Injection Date:	13-Dec-2011 16:34:34	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	6
Operator ID:	VM	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield | Job No.: 360-37913-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 360-84516/3-A

Matrix: Water | Lab File ID: R402063.D

Analysis Method: MA-EPH-LL | Date Collected:

Extraction Method: 3510C | Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 12/13/2011 17:08

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
83-32-9	Acenaphthene	76.2		1.0	1.0
208-96-8	Acenaphthylene	76.6		0.30	0.30
120-12-7	Anthracene	90.0		1.0	1.0
56-55-3	Benzo[a]anthracene	96.0		0.30	0.30
50-32-8	Benzo[a]pyrene	97.2		0.20	0.20
205-99-2	Benzo[b]fluoranthene	103		0.30	0.30
191-24-2	Benzo[g,h,i]perylene	110		0.50	0.50
207-08-9	Benzo[k]fluoranthene	99.0		0.30	0.30
218-01-9	Chrysene	93.8		1.0	1.0
53-70-3	Dibenz(a,h)anthracene	105		0.45	0.45
206-44-0	Fluoranthene	88.2		1.0	1.0
86-73-7	Fluorene	83.2		1.0	1.0
193-39-5	Indeno[1,2,3-cd]pyrene	111		0.45	0.45
91-57-6	2-Methylnaphthalene	72.4		1.0	1.0
91-20-3	Naphthalene	65.0		1.0	1.0
85-01-8	Phenanthrene	84.8		0.20	0.20
129-00-0	Pyrene	84.8		1.0	1.0
STL00058	C11-C22 Aromatics	1540		100	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
580-13-2	2-Bromonaphthalene	75		40-140
321-60-8	2-Fluorobiphenyl	75		40-140
84-15-1	o-Terphenyl	83		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402063.D		
Lims ID:	LCSD 360-84516/3-A	Client ID:	
Inject. Date:	13-Dec-2011 17:08:39	Dil. Factor:	1.0000
Sample Type:	LCSD		
Sample ID:	LCSD 360-84516/3-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	84720	Lims Sample ID:	7
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:30:52

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.944	-0.006	5368241	37.7	
$ 2 2-Bromonaphthalene						
1	6.798	6.805	-0.007	3530651	37.5	
$ 3 o-Terphenyl						
1	10.420	10.414	0.006	14780302	82.7	
$ 4 1-Chlorooctadecane						
2	13.989	13.979	0.010	12218659	79.7	
5 n-Nonane						
2	3.313	3.311	0.002	2530523	14.0	
6 n-Decane						
2	4.116	4.116	0.000	3226945	16.2	
7 Naphthalene						
1	4.690	4.699	-0.009	5759120	32.5	
8 2-Methylnaphthalene						
1	5.462	5.470	-0.008	6219231	36.2	
9 Dodecane						
2	5.676	5.675	0.001	4685378	24.8	
10 Naphthalene_B						
2	5.741	5.750	-0.009	202215	0.9676	
11 Acenaphthylene						
1	6.611	6.619	-0.008	6849040	38.3	
13 2-Methylnaphthalene_B						
2	6.646	6.654	-0.008	264239	1.29	
12 Acenaphthene						
1	6.891	6.899	-0.008	6792419	38.1	
15 n-Tetradecane						
2	7.339	7.335	0.004	6499751	33.3	

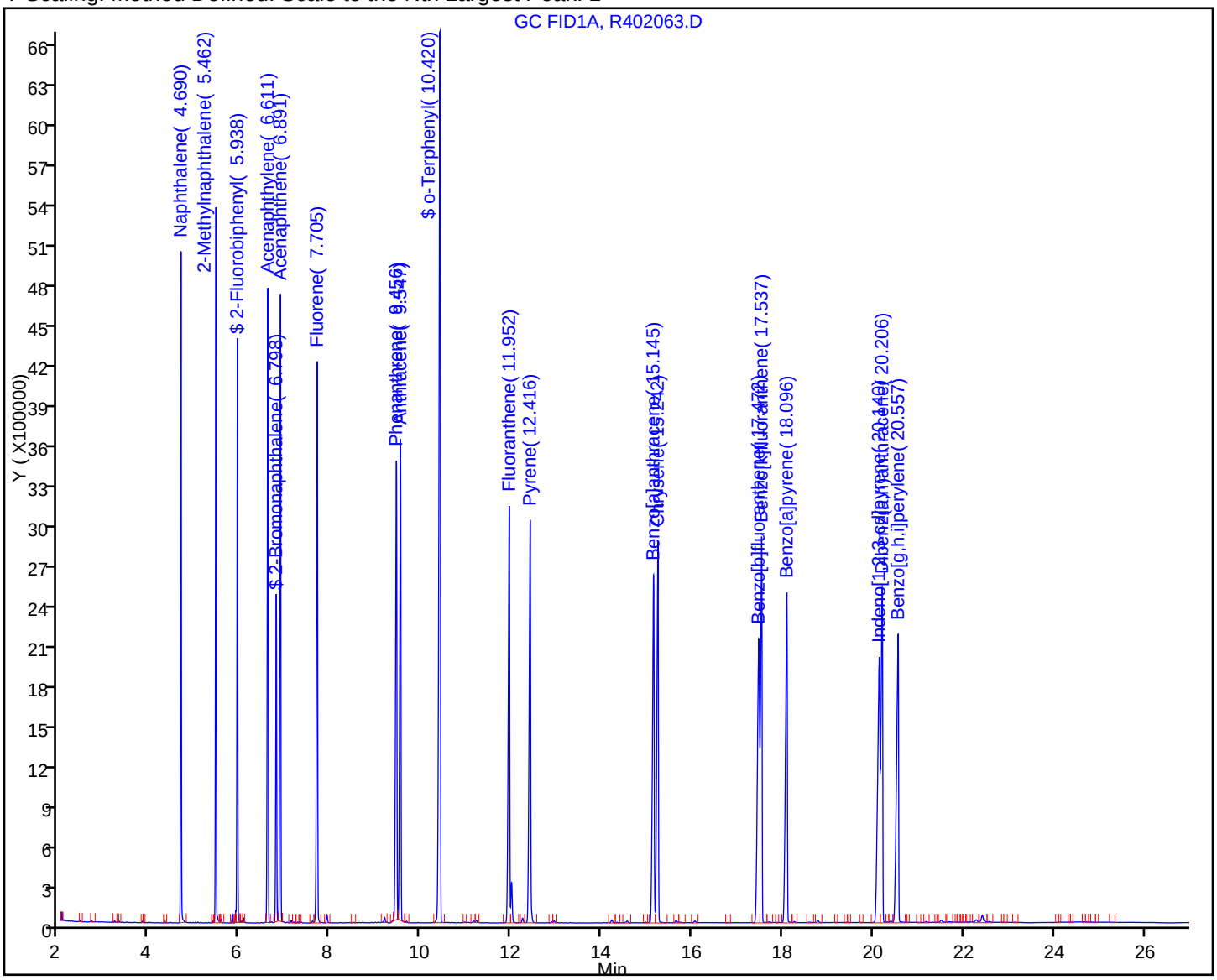
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
14 Fluorene						
1	7.705	7.712	-0.007	7187343	41.6	
18 Hexadecane						
2	9.245	9.241	0.004	7315613	39.8	
16 Phenanthrene						
1	9.456	9.464	-0.008	7009807	42.4	
17 Anthracene						
1	9.547	9.556	-0.009	6963490	45.0	
20 n-Octadecane						
2	11.226	11.223	0.003	7658648	42.0	
19 Fluoranthene						
1	11.952	11.961	-0.009	6963197	44.1	
22 C19						
2	12.195	12.193	0.002	7627021	43.0	
21 Pyrene						
1	12.416	12.424	-0.008	7133267	42.4	
23 icosane						
2	13.137	13.138	-0.001	7027939	40.0	
27 n-Docosane						
2	14.930	14.930	0.000	7193835	41.0	
24 Benzo[a]anthracene						
1	15.145	15.153	-0.008	6730387	48.0	
25 Chrysene						
1	15.242	15.249	-0.007	6796207	46.9	
28 n-Tetracosane						
2	16.597	16.597	0.000	7372749	41.3	
29 Benzo[b]fluoranthene						
1	17.472	17.474	-0.002	7150379	51.4	
30 Benzo[k]fluoranthene						
1	17.537	17.544	-0.007	6652460	49.5	
31 Benzo[a]pyrene						
1	18.096	18.099	-0.003	6884667	48.6	
32 n-Hexacosane						
2	18.143	18.144	-0.001	7616879	45.0	
35 n-Octacosane						
2	19.580	19.584	-0.004	7616342	40.2	
33 Indeno[1,2,3-cd]pyrene						
1	20.140	20.146	-0.006	7142421	55.7	
34 Dibenz(a,h)anthracene						
1	20.206	20.209	-0.003	6558154	52.5	
36 Benzo[g,h,i]perylene						
1	20.557	20.561	-0.004	6877594	55.0	
37 Triacontane						
2	20.925	20.923	0.002	8041607	44.1	
38 n-Hexatriacontane						M
2	25.527	25.518	0.009	7971781	52.3	M
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		36007011	154.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		120016171	769.9	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		68358929	329.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Dec-2011 11:30:52 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402063.D
Injection Date: 13-Dec-2011 17:08:39 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 7
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 360-84516/3-A

Matrix: Water Lab File ID: R402063.D

Analysis Method: MA-EPH-LL Date Collected:

Extraction Method: 3510C Date Extracted: 12/08/2011 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 12/13/2011 17:08

Con. Extract Vol.: 2.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-5 ID: 0.25(mm)

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

Analysis Batch No.: 84720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00087	C19-C36 Aliphatics	658		100	100
STL00306	C9-C18 Aliphatics	310		100	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	80		40-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402063.D		
Lims ID:	LCSD 360-84516/3-A	Client ID:	
Inject. Date:	13-Dec-2011 17:08:39	Dil. Factor:	1.0000
Sample Type:	LCSD		
Sample ID:	LCSD 360-84516/3-A		
Misc. Info.:			
Operator:	VM	Instrument ID:	INST R
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	84720	Lims Sample ID:	7
Detector 1 :	GC FID1A		
Detector 2 :	GC FID2B		
Method:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\MAEPH-R.m		
Last Update:	14-Dec-2011 11:30:23	Calib Date:	04-Nov-2011 21:45:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\wessvr06\chromdata\INSTR.i\20111106-7119.b\R400735.D		
Limit Group:	GC MA EPH LL		
Integrator:	Falcon		
Process Host:	CORPRDS01		

First Level Reviewer: malanowskiv Date: 14-Dec-2011 11:30:52

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
$ 1 2-Fluorobiphenyl						
1	5.938	5.944	-0.006	5368241	37.7	
$ 2 2-Bromonaphthalene						
1	6.798	6.805	-0.007	3530651	37.5	
$ 3 o-Terphenyl						
1	10.420	10.414	0.006	14780302	82.7	
$ 4 1-Chlorooctadecane						
2	13.989	13.979	0.010	12218659	79.7	
5 n-Nonane						
2	3.313	3.311	0.002	2530523	14.0	
6 n-Decane						
2	4.116	4.116	0.000	3226945	16.2	
7 Naphthalene						
1	4.690	4.699	-0.009	5759120	32.5	
8 2-Methylnaphthalene						
1	5.462	5.470	-0.008	6219231	36.2	
9 Dodecane						
2	5.676	5.675	0.001	4685378	24.8	
10 Naphthalene_B						
2	5.741	5.750	-0.009	202215	0.9676	
11 Acenaphthylene						
1	6.611	6.619	-0.008	6849040	38.3	
13 2-Methylnaphthalene_B						
2	6.646	6.654	-0.008	264239	1.29	
12 Acenaphthene						
1	6.891	6.899	-0.008	6792419	38.1	
15 n-Tetradecane						
2	7.339	7.335	0.004	6499751	33.3	

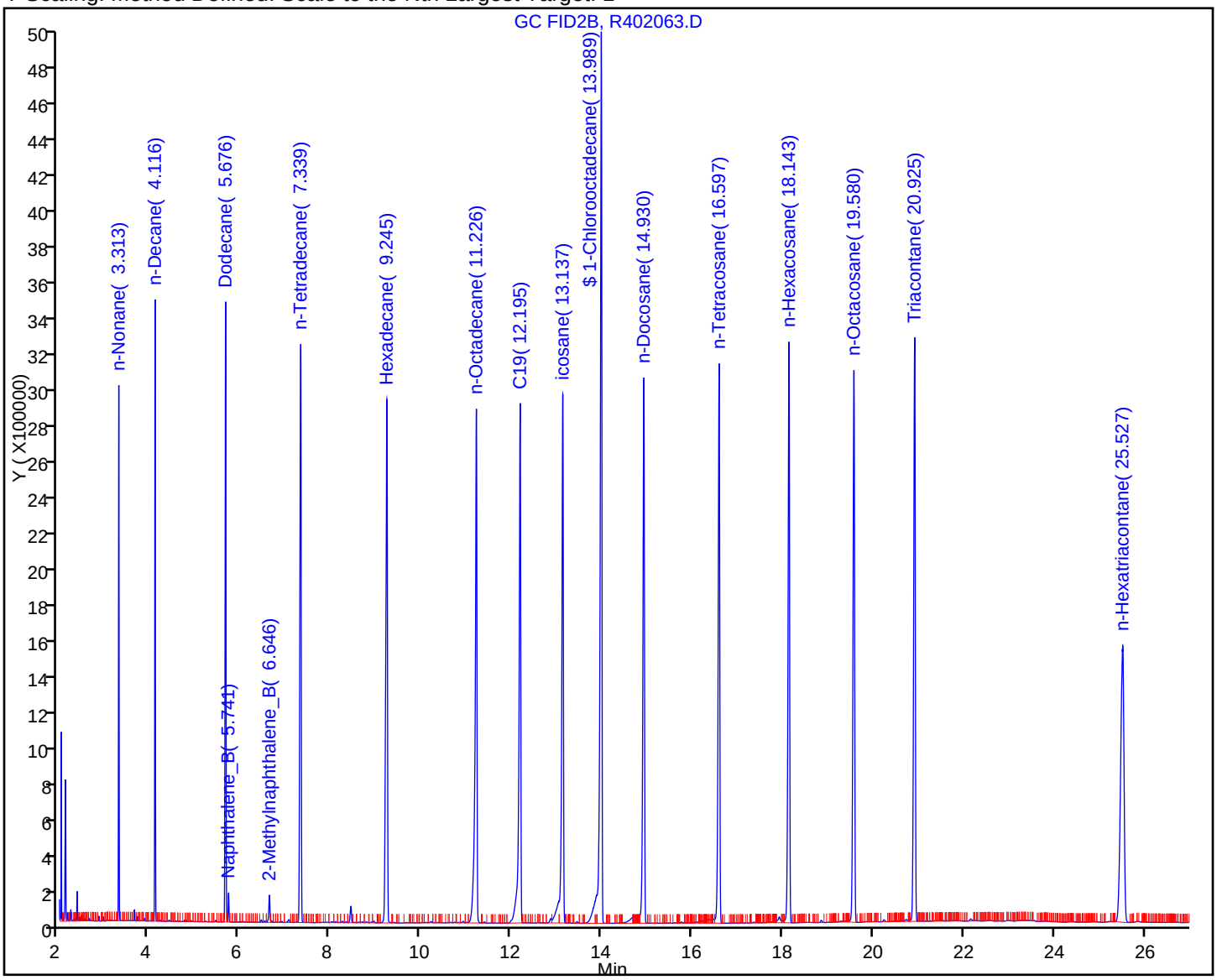
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
14 Fluorene						
1	7.705	7.712	-0.007	7187343	41.6	
18 Hexadecane						
2	9.245	9.241	0.004	7315613	39.8	
16 Phenanthrene						
1	9.456	9.464	-0.008	7009807	42.4	
17 Anthracene						
1	9.547	9.556	-0.009	6963490	45.0	
20 n-Octadecane						
2	11.226	11.223	0.003	7658648	42.0	
19 Fluoranthene						
1	11.952	11.961	-0.009	6963197	44.1	
22 C19						
2	12.195	12.193	0.002	7627021	43.0	
21 Pyrene						
1	12.416	12.424	-0.008	7133267	42.4	
23 icosane						
2	13.137	13.138	-0.001	7027939	40.0	
27 n-Docosane						
2	14.930	14.930	0.000	7193835	41.0	
24 Benzo[a]anthracene						
1	15.145	15.153	-0.008	6730387	48.0	
25 Chrysene						
1	15.242	15.249	-0.007	6796207	46.9	
28 n-Tetracosane						
2	16.597	16.597	0.000	7372749	41.3	
29 Benzo[b]fluoranthene						
1	17.472	17.474	-0.002	7150379	51.4	
30 Benzo[k]fluoranthene						
1	17.537	17.544	-0.007	6652460	49.5	
31 Benzo[a]pyrene						
1	18.096	18.099	-0.003	6884667	48.6	
32 n-Hexacosane						
2	18.143	18.144	-0.001	7616879	45.0	
35 n-Octacosane						
2	19.580	19.584	-0.004	7616342	40.2	
33 Indeno[1,2,3-cd]pyrene						
1	20.140	20.146	-0.006	7142421	55.7	
34 Dibenz(a,h)anthracene						
1	20.206	20.209	-0.003	6558154	52.5	
36 Benzo[g,h,i]perylene						
1	20.557	20.561	-0.004	6877594	55.0	
37 Triacontane						
2	20.925	20.923	0.002	8041607	44.1	
38 n-Hexatriacontane						M
2	25.527	25.518	0.009	7971781	52.3	M
A 39 C9-C18 Aliphatics						
2	7.267	3.211 - 11.323		36007011	154.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
A 40 C11-C22 Aromatics						
1	12.800	4.599 - 21.002		120016171	769.9	
A 41 C19-C36 Aliphatics						
2	18.552	11.323 - 25.780		68358929	329.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Dec-2011 11:30:53 Chrom Revision: 2.0 29-Sep-2011 09:38:02
Data File: \\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402063.D
Injection Date: 13-Dec-2011 17:08:39 Limit Group: GC MA EPH LL
Client ID: Instrument ID: INST R
Lims Batch ID: 84720 Lims Sample ID: 7
Operator ID: VM Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



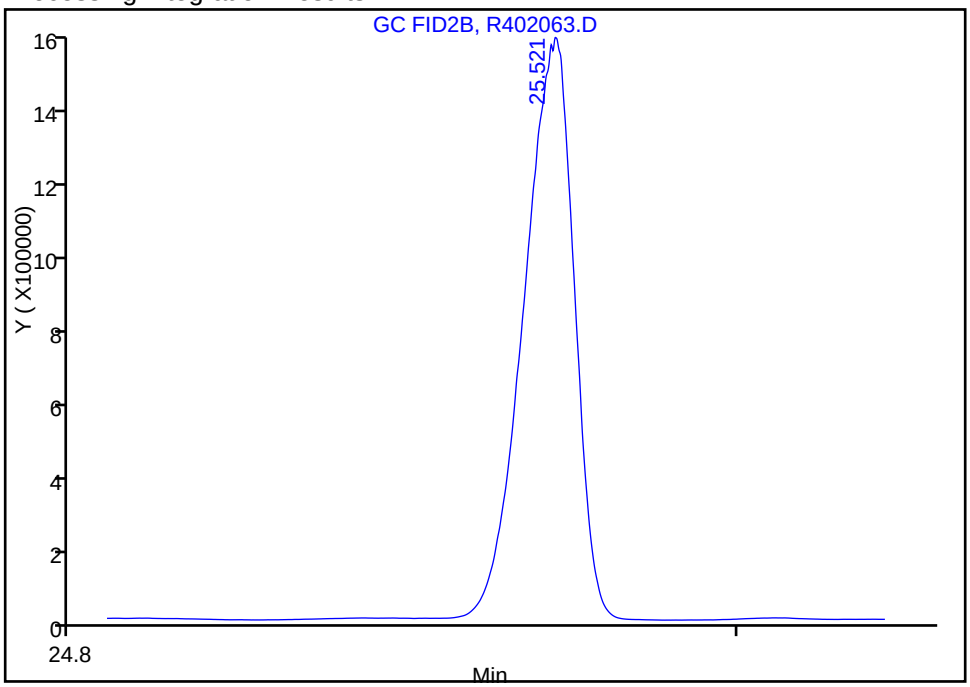
Manual Integration/User Assign Peak Report

Data File:	\\wessvr06\chromdata\INSTR.i\20111213-7397.b\R402063.D		
Injection Date:	13-Dec-2011 17:08:39	Limit Group:	GC MA EPH LL
Client ID:		Instrument ID:	INST R
Lims Batch ID:	84720	Lims Sample ID:	7
Operator ID:	VM	Injection Vol:	1.00 ul

38 n-Hexatriacontane, Signal: 1, Type: quant, RT: 25.52, Det: GC FID2B

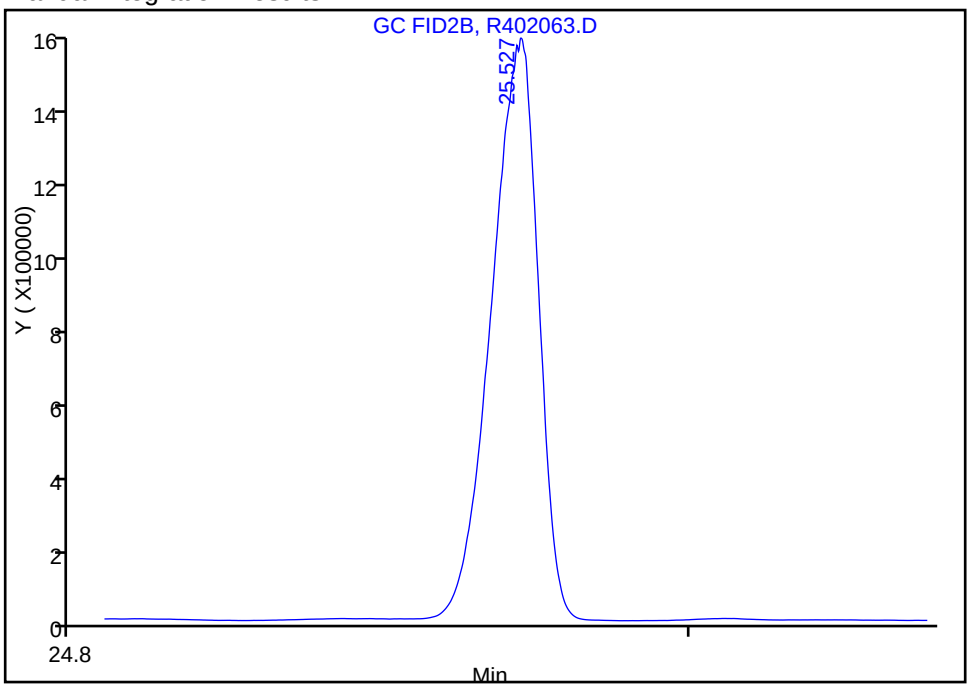
Processing Integration Results

RT: 25.52
Response: 4528275
Amount: 29.697470



Manual Integration Results

RT: 25.53
Response: 7971781
Amount: 52.280775



Reviewer: malanowskiv, 14-Dec-2011 07:35:32
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Instrument ID: INST R Start Date: 11/04/2011 15:33

Analysis Batch Number: 82884 End Date: 11/06/2011 11:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD01 360-82884/2 IC		11/04/2011 15:33	1	R400713.D	RTX-5 0.25(mm)
STD01 360-82884/2 IC		11/04/2011 15:33	1	R400713.D	RTX-5 0.25(mm)
STD05 360-82884/3 IC		11/04/2011 16:07	1	R400715.D	RTX-5 0.25(mm)
STD05 360-82884/3 IC		11/04/2011 16:07	1	R400715.D	RTX-5 0.25(mm)
STD1 360-82884/4 IC		11/04/2011 16:41	1	R400717.D	RTX-5 0.25(mm)
STD1 360-82884/4 IC		11/04/2011 16:41	1	R400717.D	RTX-5 0.25(mm)
STD5 360-82884/5 IC		11/04/2011 17:14	1	R400719.D	RTX-5 0.25(mm)
STD5 360-82884/5 IC		11/04/2011 17:14	1	R400719.D	RTX-5 0.25(mm)
STD10 360-82884/6 IC		11/04/2011 17:48	1	R400721.D	RTX-5 0.25(mm)
STD10 360-82884/6 IC		11/04/2011 17:48	1	R400721.D	RTX-5 0.25(mm)
STD25 360-82884/7 IC		11/04/2011 18:22	1	R400723.D	RTX-5 0.25(mm)
STD25 360-82884/7 IC		11/04/2011 18:22	1	R400723.D	RTX-5 0.25(mm)
STD50 360-82884/1 ICIS		11/04/2011 18:55	1	R400725.D	RTX-5 0.25(mm)
STD50 360-82884/1 ICIS		11/04/2011 18:55	1	R400725.D	RTX-5 0.25(mm)
STD100 360-82884/8 IC		11/04/2011 19:29	1	R400727.D	RTX-5 0.25(mm)
STD100 360-82884/8 IC		11/04/2011 19:29	1	R400727.D	RTX-5 0.25(mm)
STD200 360-82884/9 IC		11/04/2011 20:03	1	R400729.D	RTX-5 0.25(mm)
STD200 360-82884/9 IC		11/04/2011 20:03	1	R400729.D	RTX-5 0.25(mm)
STD1 360-82884/10 IC		11/04/2011 20:37	1		RTX-5 0.25(mm)
STD5 360-82884/11 IC		11/04/2011 21:11	1		RTX-5 0.25(mm)
STD10 360-82884/12 IC		11/04/2011 21:45	1		RTX-5 0.25(mm)
ICV 360-82884/13		11/06/2011 11:19	1		RTX-5 0.25(mm)
ICV 360-82884/13		11/06/2011 11:19	1		RTX-5 0.25(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Instrument ID: INST R Start Date: 12/13/2011 12:56

Analysis Batch Number: 84720 End Date: 12/14/2011 12:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 360-84720/1		12/13/2011 12:56	1	R402051.D	RTX-5 0.25(mm)
CCVRT 360-84720/1		12/13/2011 12:56	1	R402051.D	RTX-5 0.25(mm)
LCS 360-84516/2-A		12/13/2011 16:34	1	R402061.D	RTX-5 0.25(mm)
LCS 360-84516/2-A		12/13/2011 16:34	1	R402061.D	RTX-5 0.25(mm)
LCSD 360-84516/3-A		12/13/2011 17:08	1	R402063.D	RTX-5 0.25(mm)
LCSD 360-84516/3-A		12/13/2011 17:08	1	R402063.D	RTX-5 0.25(mm)
ZZZZZ		12/13/2011 17:43	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 17:43	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 18:17	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 18:17	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 18:51	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 18:51	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 19:25	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 19:25	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 19:59	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 19:59	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 20:33	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 20:33	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 21:08	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 21:08	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 21:41	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 21:41	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 22:16	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 22:16	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 22:50	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 22:50	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 23:24	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 23:24	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 23:58	1		RTX-5 0.25(mm)
ZZZZZ		12/13/2011 23:58	1		RTX-5 0.25(mm)
ZZZZZ		12/14/2011 00:32	1		RTX-5 0.25(mm)
ZZZZZ		12/14/2011 00:32	1		RTX-5 0.25(mm)
ZZZZZ		12/14/2011 01:06	1		RTX-5 0.25(mm)
ZZZZZ		12/14/2011 01:06	1		RTX-5 0.25(mm)
CCV 360-84720/22		12/14/2011 01:41	1	R402093.D	RTX-5 0.25(mm)
CCV 360-84720/22		12/14/2011 01:41	1	R402093.D	RTX-5 0.25(mm)
MB 360-84516/1-A		12/14/2011 08:02	1	R402095.D	RTX-5 0.25(mm)
MB 360-84516/1-A		12/14/2011 08:02	1	R402095.D	RTX-5 0.25(mm)
ZZZZZ		12/14/2011 08:37	1		RTX-5 0.25(mm)
ZZZZZ		12/14/2011 08:37	1		RTX-5 0.25(mm)
360-37913-1	BC-RB-120111	12/14/2011 11:28	1	R402107.D	RTX-5 0.25(mm)
360-37913-1	BC-RB-120111	12/14/2011 11:28	1	R402107.D	RTX-5 0.25(mm)
360-37913-3	BC-GW-MW303-120111	12/14/2011 12:02	1	R402109.D	RTX-5 0.25(mm)
360-37913-3	BC-GW-MW303-120111	12/14/2011 12:02	1	R402109.D	RTX-5 0.25(mm)
CCV 360-84720/30		12/14/2011 12:36	1	R402111.D	RTX-5 0.25(mm)

MA-EPH-LL

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Instrument ID: INST R Start Date: 12/13/2011 12:56

Analysis Batch Number: 84720 End Date: 12/14/2011 12:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 360-84720/30		12/14/2011 12:36	1	R402111.D	RTX-5 0.25(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Batch Number: 84516 Batch Start Date: 12/08/11 13:30 Batch Analyst: Voudren, Timothy L

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	OP-cod/otp 00111	OP-EPH Mat 00218
MB 360-84516/1		3510C, MA-EPH-LL		7	1000 mL	2.0 mL	<2	1 mL	
LCS 360-84516/2		3510C, MA-EPH-LL		7	1000 mL	2.0 mL	<2	1 mL	500 uL
LCSD 360-84516/3		3510C, MA-EPH-LL		7	1000 mL	2.0 mL	<2	1 mL	500 uL
360-37913-A-1	BC-RB-120111	3510C, MA-EPH-LL	T	<2	1025 mL	2.0 mL	<2	1 mL	
360-37913-A-3	BC-GW-MW303-120111	3510C, MA-EPH-LL	T	<2	1010 mL	2.0 mL	<2	1 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 360-84516/1		3510C, MA-EPH-LL							
LCS 360-84516/2		3510C, MA-EPH-LL							
LCSD 360-84516/3		3510C, MA-EPH-LL							
360-37913-A-1	BC-RB-120111	3510C, MA-EPH-LL	T						
360-37913-A-3	BC-GW-MW303-120111	3510C, MA-EPH-LL	T	sediment					

Batch Notes	
Person's name who did the concentration	TV
Person's name who did the prep	TV

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37913-1

SDG No.:

Project: Beaton & Corbin Factory Site

Client Sample ID	Lab Sample ID
BC-RB-120111	360-37913-1
BC-GW-MW303-120111	360-37913-3

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-RB-120111 Lab Sample ID: 360-37913-1

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG ID.:

Matrix: Water Date Sampled: 12/01/2011 15:45

Reporting Basis: WET Date Received: 12/02/2011 09:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	ND	5.0	1.4	ug/L			1	6010B
7440-38-2	Arsenic	ND	10	2.8	ug/L			1	6010B
7440-39-3	Barium	ND	10	1.4	ug/L			1	6010B
7440-43-9	Cadmium	ND	1.0	0.13	ug/L			1	6010B
7440-47-3	Chromium	ND	5.0	0.65	ug/L			1	6010B
7439-92-1	Lead	ND	5.0	1.4	ug/L			1	6010B
7782-49-2	Selenium	ND	10	4.0	ug/L			1	6010B
7439-97-6	Mercury	ND	0.20	0.15	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: BC-GW-MW303-120111 Lab Sample ID: 360-37913-3

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG ID.:

Matrix: Water Date Sampled: 12/01/2011 16:00

Reporting Basis: WET Date Received: 12/02/2011 09:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	ND	5.0	1.4	ug/L			1	6010B
7440-38-2	Arsenic	ND	10	2.8	ug/L			1	6010B
7440-39-3	Barium	76	10	1.4	ug/L			1	6010B
7440-43-9	Cadmium	ND	1.0	0.13	ug/L			1	6010B
7440-47-3	Chromium	190	5.0	0.65	ug/L			1	6010B
7439-92-1	Lead	ND	5.0	1.4	ug/L			1	6010B
7782-49-2	Selenium	ND	10	4.0	ug/L			1	6010B
7439-97-6	Mercury	ND	0.20	0.15	ug/L			1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

ICV Source: VARICV wk_00017 Concentration Units: ug/L

CCV Source: MEVARCCV_00040

Analyte	ICV 360-84357/10 12/05/2011 15:07				CCV 360-84357/17 12/05/2011 15:27				CCV 360-84357/29 12/05/2011 16:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	999		1000	100	1010		1000	101	1010		1000	101
Barium	997		1000	100	998		1000	100	993		1000	99
Cadmium	1000		1000	100	1010		1000	101	1010		1000	101
Chromium	995		1000	100	1010		1000	101	1000		1000	100
Lead	1000		1000	100	1010		1000	101	1000		1000	100
Selenium	1010		1000	101	1010		1000	101	1010		1000	101
Silver	993		1000	99	1000		1000	100	996		1000	100

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

ICV Source: VARICV wk_00017 Concentration Units: ug/L

CCV Source: MEVARCCV_00040

Analyte	CCV 360-84357/41 12/05/2011 16:38				CCV 360-84357/53 12/05/2011 17:14				CCV 360-84357/61 12/05/2011 17:53			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1020		1000	102	1030		1000	103	1060		1000	106
Barium	1000		1000	100	1000		1000	100	1010		1000	101
Cadmium	1020		1000	102	1030		1000	103	1050		1000	105
Chromium	1010		1000	101	1010		1000	101	1030		1000	103
Lead	1020		1000	102	1030		1000	103	1050		1000	105
Selenium	1020		1000	102	1040		1000	104	1070		1000	107
Silver	1010		1000	101	1010		1000	101	1030		1000	103

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.: 360-37913-1

SDG No.:

ICV Source: METHG1mg/L_00788 Concentration Units: ug/L

CCV Source: METHG1mg/L_00788

Analyte	ICV 360-84448/13 12/07/2011 11:05				CCV 360-84448/18 12/07/2011 12:32				CCV 360-84448/30 12/07/2011 13:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.06		5.00	101	5.05		5.00	101	5.08		5.00	102

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

ICV Source: METHG1mg/L_00788 Concentration Units: ug/L

CCV Source: METHG1mg/L_00788

Analyte	CCV 360-84448/42 12/07/2011 13:49				CCV 360-84448/50 12/07/2011 14:06							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.91		5.00	98	5.04		5.00	101				

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Method: 6010B Instrument ID: Varian ICP

Lab Sample ID: CRI 360-84357/12 Concentration Units: ug/L

CRQL Check Standard Source: CRIRL wk_00013

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	10.0	11.2		112	70-130
Barium	10.0	11.6		116	70-130
Cadmium	1.00	1.12		112	70-130
Chromium	5.00	5.38		108	70-130
Lead	5.00	5.22		104	70-130
Selenium	10.0	10.8		108	70-130

Lab Sample ID: CRI 360-84357/13 Concentration Units: ug/L

CRQL Check Standard Source: CRIMCP wk_00014

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	50.0	49.6		99	70-130
Barium	2000	2230		112	70-130
Cadmium	5.00	5.14		103	70-130
Chromium	100	105		105	70-130
Lead	15.0	16.5		110	70-130
Selenium	50.0	48.4		97	70-130

Lab Sample ID: CRI 360-84357/22 Concentration Units: ug/L

CRQL Check Standard Source: CRIRL wk_00013

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	5.00	ND		72	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.: 360-37913-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 360-84357/11 12/05/2011 15:10		CCB 360-84357/18 12/05/2011 15:30		CCB 360-84357/30 12/05/2011 16:06		CCB 360-84357/42 12/05/2011 16:41	
		Found	C	Found	C	Found	C	Found	C
Arsenic	10	ND		ND		ND		ND	
Barium	10	ND		ND		ND		ND	
Cadmium	1.0	ND		ND		ND		ND	
Chromium	5.0	ND		ND		ND		ND	
Lead	5.0	ND		ND		ND		ND	
Selenium	10	ND		ND		ND		ND	
Silver	5.0	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 360-84357/54 12/05/2011 17:17		CCB 360-84357/62 12/05/2011 17:56					
		Found	C	Found	C	Found	C	Found	C
Arsenic	10	ND		ND					
Barium	10	ND		ND					
Cadmium	1.0	ND		ND					
Chromium	5.0	ND		ND					
Lead	5.0	ND		ND					
Selenium	10	ND		ND					
Silver	5.0	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 360-84448/15 12/07/2011 11:09		CCB 360-84448/19 12/07/2011 12:34		CCB 360-84448/31 12/07/2011 13:28		CCB 360-84448/43 12/07/2011 13:51	
		Found	C	Found	C	Found	C	Found	C
Mercury	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.: 360-37913-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 360-84448/51 12/07/2011 14:08							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND							

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 360-84282/1-A

Instrument Code: Varian ICP Batch No.: 84357

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	ND			6010RCP
7440-38-2	Arsenic	ND			6010RCP
7440-39-3	Barium	ND			6010RCP
7440-43-9	Cadmium	ND			6010RCP
7440-47-3	Chromium	ND			6010RCP
7439-92-1	Lead	ND			6010RCP
7782-49-2	Selenium	ND			6010RCP

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 360-84431/1-A

Instrument Code: Hg Analyzer Batch No.: 84448

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470RCP

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Lab Sample ID: ICSA 360-84357/14 Instrument ID: Varian ICP

Lab File ID: 120511a.csv ICS Source: ICSA wk_00033

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**1.75**	
Barium		**0.814**	
Cadmium		**-0.777**	
Chromium		**0.280**	
Lead		**-2.48**	
Selenium		**-2.40**	
Silver		**-0.0162**	
Aluminum	*100000*	*104691*	*105*
Antimony		*-1.05*	
B		*2.24*	
Beryllium		*-0.0358*	
Calcium	*100000*	*91171*	*91*
Cobalt		*-1.02*	
Copper		*-0.0291*	
Iron	*100000*	*103590*	*104*
Li		*1.79*	
Magnesium	*100000*	*96485*	*96*
Manganese		*-2.70*	
Mo		*0.724*	
Nickel		*-5.24*	
Potassium		*878*	
Si		*-4.24*	
Si		*1.87*	
Sn		*-0.376*	
Sodium		*75.2*	
Sr		*-1.92*	
Thallium		*-1.01*	
Ti		*0.0043*	
Vanadium		*-2.22*	
Zinc		*-0.757*	
Zr		*0.598*	

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.: 360-37913-1

SDG No.:

Lab Sample ID: ICSAB 360-84357/15 Instrument ID: Varian ICP

Lab File ID: 120511a.csv ICS Source: ICSAB_00044

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**2000**	**1779**	**89**
Barium	**600**	**521**	**87**
Cadmium	**600**	**519**	**87**
Chromium	**600**	**524**	**87**
Lead	**2000**	**1711**	**86**
Selenium	**1000**	**890**	**89**
Silver	**600**	**542**	**90**
Aluminum	*100000*	*113009*	*113*
Antimony	*1000*	*943*	*94*
B		*0.954*	
Beryllium	*200*	*179*	*90*
Calcium	*100000*	*99699*	*100*
Cobalt	*600*	*518*	*86*
Copper	*600*	*546*	*91*
Iron	*100000*	*112093*	*112*
Li		*1.93*	
Magnesium	*100000*	*104437*	*104*
Manganese	*400*	*342*	*86*
Mo		*0.302*	
Nickel	*600*	*511*	*85*
Potassium	*40000*	*38877*	*97*
Si		*-29.9*	
Si		*-24.2*	
Sn		*-0.833*	
Sodium		*-9.90*	
Sr		*-2.07*	
Thallium	*2000*	*1703*	*85*
Ti		*0.0085*	
Vanadium	*600*	*522*	*87*
Zinc	*600*	*514*	*86*
Zr		*2.90*	

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

FORM IVA-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 360-84282/2-A

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

Sample Matrix: Water LCS Source: stlma-3_00060

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Silver	1000	1010		101	80	120		6010B
Arsenic	1000	1020		102	80	120		6010B
Barium	1000	1010		101	80	120		6010B
Cadmium	1000	1010		101	80	120		6010B
Chromium	1000	1010		101	80	120		6010B
Lead	1000	1010		101	80	120		6010B
Selenium	1000	1020		102	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 360-84282/3-A

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

Sample Matrix: Water LCS Source: stlma-3_00060

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Silver	1080		1000	108	80-120	7	20		6010B
Arsenic	1090		1000	109	80-120	7	20		6010B
Barium	1080		1000	108	80-120	7	20		6010B
Cadmium	1080		1000	108	80-120	6	20		6010B
Chromium	1070		1000	107	80-120	5	20		6010B
Lead	1080		1000	108	80-120	6	20		6010B
Selenium	1100		1000	110	80-120	7	20		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 360-84431/2-A

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

Sample Matrix: Water LCS Source: METHG1mg/L_00788

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	4.74		95	80	120		7470A

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 360-84431/3-A

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

Sample Matrix: Water LCS Source: METHG1mg/L_00788

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	4.77		5.00	95	80-120	1	20		7470A

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

FORM VIID - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37913-1

SDG Number:

Matrix: Water Instrument ID: Varian ICP

Method: 6010B MDL Date: 10/07/2010 00:00

Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic	188.980	10	2.84
Barium	493.408	10	1.36
Cadmium	214.439	1	0.13
Chromium	267.716	5	0.65
Lead	220.353	5	1.36
Selenium	196.026	10	4
Silver	338.289	5	1.36

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37913-1

SDG Number:

Matrix: Water Instrument ID: Varian ICP

Method: 6010B XMDL Date: 10/19/2010 15:56

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	188.980	10	2.84
Barium	493.408	10	1.36
Cadmium	214.439	1	0.13
Chromium	267.716	5	0.65
Lead	220.353	5	1.36
Selenium	196.026	10	4
Silver	338.289	5	1.36

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37913-1

SDG Number:

Matrix: Water Instrument ID: Hg Analyzer

Method: 7470A MDL Date: 04/08/2011 13:52

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury	253.7	0.2	0.154

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Westfield Job Number: 360-37913-1

SDG Number:

Matrix: Water Instrument ID: Hg Analyzer

Method: 7470A XMDL Date: 04/08/2011 13:52

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.154

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Westfield Job No: 360-37913-1

SDG No.:

Instrument ID: Varian ICP Date: 08/19/2011 16:31

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Silver		25000	6010B
Arsenic		50000	6010B
Barium		12500	6010B
Cadmium		20000	6010B
Chromium		50000	6010B
Lead		100000	6010B
Selenium		50000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 360-84282/1-A	12/05/2011 08:40	84282		50	50
LCS 360-84282/2-A	12/05/2011 08:40	84282		50	50
LCSD 360-84282/3-A	12/05/2011 08:40	84282		50	50
360-37913-1	12/05/2011 08:40	84282		50	50
360-37913-3	12/05/2011 08:40	84282		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 360-84431/1-A	12/07/2011 10:00	84431		10	10
LCS 360-84431/2-A	12/07/2011 10:00	84431		10	10
LCSD 360-84431/3-A	12/07/2011 10:00	84431		10	10
360-37913-1	12/07/2011 10:00	84431		10	10
360-37913-3	12/07/2011 10:00	84431		10	10

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Instrument ID: Varian ICP Method: 6010B

Start Date: 12/05/2011 13:10 End Date: 12/05/2011 17:56

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ICSA 360-84357/25			13:10																				
ICSAB 360-84357/26			13:23																				
ZZZZZZ			13:39																				
ZZZZZZ			13:42																				
ZZZZZZ			13:45																				
ZZZZZZ			13:48																				
ZZZZZZ			13:51																				
ZZZZZZ			13:54																				
ZZZZZZ			13:56																				
ZZZZZZ			14:58																				
ZZZZZZ			15:04																				
ICV 360-84357/10	1		15:07	X	X	X	X	X	X	X													
ICB 360-84357/11	1		15:10	X	X	X	X	X	X	X													
CRI 360-84357/12	1		15:12		X	X	X	X	X	X													
CRI 360-84357/13	1		15:15		X	X	X	X	X	X													
ICSA 360-84357/14	1		15:18	X	X	X	X	X	X	X													
ICSAB 360-84357/15	1		15:21	X	X	X	X	X	X	X													
ZZZZZZ			15:24																				
CCV 360-84357/17	1		15:27	X	X	X	X	X	X	X													
CCB 360-84357/18	1		15:30	X	X	X	X	X	X	X													
ICV 360-84357/19			15:33																				
ICV 360-84357/20			15:36																				
ICB 360-84357/21			15:43																				
CRI 360-84357/22	1		15:46	X																			
CRI 360-84357/23			15:49																				
CRI 360-84357/24			15:53																				
MB 360-84282/1-A	1	T	15:57	X	X	X	X	X	X	X													
LCS 360-84282/2-A	1	T	16:00	X	X	X	X	X	X	X													
CCV 360-84357/29	1		16:03	X	X	X	X	X	X	X													
CCB 360-84357/30	1		16:06	X	X	X	X	X	X	X													
LCSD 360-84282/3-A	1	T	16:09	X	X	X	X	X	X	X													
ZZZZZZ			16:12																				
ZZZZZZ			16:15																				
ZZZZZZ			16:18																				
ZZZZZZ			16:21																				
ZZZZZZ			16:24																				
ZZZZZZ			16:27																				
ZZZZZZ			16:30																				
ZZZZZZ			16:33																				
ZZZZZZ			16:35																				
CCV 360-84357/41	1		16:38	X	X	X	X	X	X	X													
CCB 360-84357/42	1		16:41	X	X	X	X	X	X	X													

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Instrument ID: Varian ICP Method: 6010B

Start Date: 12/05/2011 13:10 End Date: 12/05/2011 17:56

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			16:44																				
ZZZZZZ			16:47																				
ZZZZZZ			16:50																				
ZZZZZZ			16:53																				
360-37913-1	1	T	16:56	X	X	X	X	X	X	X													
360-37913-3	1	T	16:59	X	X	X	X	X	X	X													
ZZZZZZ			17:02																				
ZZZZZZ			17:05																				
ZZZZZZ			17:08																				
ZZZZZZ			17:11																				
CCV 360-84357/53	1		17:14	X	X	X	X	X	X	X													
CCB 360-84357/54	1		17:17	X	X	X	X	X	X	X													
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
ZZZZZZ			17:25																				
ZZZZZZ			17:32																				
ZZZZZZ			17:35																				
ZZZZZZ			17:38																				
CCV 360-84357/61	1		17:53	X	X	X	X	X	X	X													
CCB 360-84357/62	1		17:56	X	X	X	X	X	X	X													

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Instrument ID: Hg Analyzer Method: 7470A

Start Date: 12/07/2011 10:40 End Date: 12/07/2011 14:08

Lab Sample ID	D/F	Type	Time	Analytes																				
				Hg																				
STD01REP1 360-84448/1 IC			10:40	X																				
STD01REP2 360-84448/2 IC			10:41	X																				
STD02REP1 360-84448/3 IC			10:43	X																				
STD02REP2 360-84448/4 IC			10:45	X																				
STD03REP1 360-84448/5 IC			10:47	X																				
STD03REP2 360-84448/6 IC			10:49	X																				
STD04REP1 360-84448/7 IC			10:50	X																				
STD04REP2 360-84448/8 IC			10:53	X																				
STD05REP1 360-84448/9 IC			10:54	X																				
STD05REP2 360-84448/10 IC			10:57	X																				
STD06REP1 360-84448/11 IC			10:58	X																				
STD06REP2 360-84448/12 IC			11:00	X																				
ICV 360-84448/13	1		11:05	X																				
ZZZZZZ			11:07																					
ICB 360-84448/15	1		11:09	X																				
CCV 360-84448/16			12:16																					
CCB 360-84448/17			12:17																					
CCV 360-84448/18	1		12:32	X																				
CCB 360-84448/19	1		12:34	X																				
MB 360-84431/1-A	1	T	12:59	X																				
ZZZZZZ			13:01																					
LCS 360-84431/2-A	1	T	13:06	X																				
LCSD 360-84431/3-A	1	T	13:08	X																				
ZZZZZZ			13:10																					
ZZZZZZ			13:12																					
ZZZZZZ			13:16																					
ZZZZZZ			13:20																					
ZZZZZZ			13:22																					
ZZZZZZ			13:24																					
CCV 360-84448/30	1		13:26	X																				
CCB 360-84448/31	1		13:28	X																				
ZZZZZZ			13:30																					
ZZZZZZ			13:32																					
ZZZZZZ			13:33																					
ZZZZZZ			13:35																					
ZZZZZZ			13:37																					
ZZZZZZ			13:39																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Instrument ID: Hg Analyzer Method: 7470A

Start Date: 12/07/2011 10:40 End Date: 12/07/2011 14:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			13:41																				
ZZZZZZ			13:43																				
ZZZZZZ			13:45																				
ZZZZZZ			13:47																				
CCV 360-84448/42	1		13:49	X																			
CCB 360-84448/43	1		13:51	X																			
360-37913-1	1	T	13:53	X																			
360-37913-3	1	T	13:54	X																			
ZZZZZZ			13:57																				
ZZZZZZ			14:00																				
ZZZZZZ			14:02																				
ZZZZZZ			14:04																				
CCV 360-84448/50	1		14:06	X																			
CCB 360-84448/51	1		14:08	X																			

Prep Types

T = Total/NA

Method Parameters

Analysis Lines

Label	El	Wavelen.	Type	I/S	Bkg Mode	PPP	OBCL	OBCR
Ag 338.289	Ag	338.289	Analyte	-	Fitted	2		
Al 237.312	Al	237.312	Analyte	-	Fitted	2		
As 188.980	As	188.980	Analyte	-	Fitted	2		
B 249.678	B	249.678	Analyte	-	Fitted	2		
Ba 493.408	Ba	493.408	Analyte	-	Fitted	2		
Be 313.042	Be	313.042	Analyte	-	Fitted	2		
Ca 373.690	Ca	373.690	Analyte	-	Fitted	2		
Cd 214.439	Cd	214.439	Analyte	-	Fitted	2		
Co 228.615	Co	228.615	Analyte	-	Fitted	2		
Cr 267.716	Cr	267.716	Analyte	-	Fitted	2		
Cu 327.395	Cu	327.395	Analyte	-	Fitted	2		
Fe 273.955	Fe	273.955	Analyte	-	Fitted	2		
K 404.721	K	404.721	Analyte	-	Fitted	2		
Li 610.365	Li	610.365	Analyte	-	Fitted	2		
Mg 279.078	Mg	279.078	Analyte	-	Fitted	2		
Mn 257.610	Mn	257.610	Analyte	-	Fitted	2		
Mo 202.032	Mo	202.032	Analyte	-	Fitted	2		
Na 330.237	Na	330.237	Analyte	-	Fitted	2		
Ni 216.555	Ni	216.555	Analyte	-	Fitted	2		
Pb 220.353	Pb	220.353	Analyte	-	Fitted	2		
Sb 217.582	Sb	217.582	Analyte	-	Fitted	2		
Se 196.026	Se	196.026	Analyte	-	Fitted	2		
Si 251.611	Si	251.611	Analyte	-	Fitted	2		
Si 288.158	Si	288.158	Analyte	-	Fitted	2		
Sn 189.925	Sn	189.925	Analyte	-	Fitted	2		
Sr 421.552	Sr	421.552	Analyte	-	Fitted	2		
Ti 336.122	Ti	336.122	Analyte	-	Fitted	2		
Tl 190.794	Tl	190.794	Analyte	-	Fitted	2		
V 292.401	V	292.401	Analyte	-	Fitted	2		
Zn 202.548	Zn	202.548	Analyte	-	Fitted	2		
Zr 339.198	Zr	339.198	Analyte	-	Fitted	2		

Conditions Sets (All lines share a single condition set)

Pwr(kW)	PlasFlow(L/min)	AuxFlow(L/min)	NebFlow(L/min)	Replicate Time(s)	Stab Time(s)
1.20	15.0	1.50	0.75	30.000	20

Sample Introduction

Sample Uptake(s)	Rinse Time(s)	Pump Rate(rpm)	Fast Pump
30	45	13	On

General Settings

Replicates
2

Calibration Settings

Calib. Mode	No. Standards	Corr Coeff Limit	Reslopes
Quantitative	6	0.998000	Off

Standard Concentration

El	Units	Standard 1	Standard 2	Standard 3	Standard 4
Ag	ug/L	1000.00000			
Al	ug/L	5000.00000	10000.00000	12500.00000	15000.00000
As	ug/L	1000.00000			
B	ug/L	1000.00000			
Ba	ug/L	1000.00000			
Be	ug/L	1000.00000			
Ca	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Cd	ug/L	1000.00000			
Co	ug/L	1000.00000			
Cr	ug/L	1000.00000			
Cu	ug/L	1000.00000			
Fe	ug/L	5000.00000	10000.00000	12500.00000	15000.00000
K	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Li	ug/L	5000.00000			
Mg	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Mn	ug/L	1000.00000			
Mo	ug/L	1000.00000			
Na	ug/L	20000.00000	40000.00000	50000.00000	60000.00000
Ni	ug/L	1000.00000			
Pb	ug/L	1000.00000			
Sb	ug/L	1000.00000			
Se	ug/L	1000.00000			
Si	ug/L	1000.00000			
Sn	ug/L	1000.00000			
Sr	ug/L	1000.00000			
Ti	ug/L	1000.00000			
Tl	ug/L	1000.00000			
V	ug/L	1000.00000			
Zn	ug/L	1000.00000			
Zr	ug/L	1000.00000			

El	Units	Standard 5	Standard 6
Ag	ug/L		
Al	ug/L	20000.00000	25000.00000
As	ug/L		
B	ug/L		
Ba	ug/L		
Be	ug/L		
Ca	ug/L	80000.00000	100000.00000
Cd	ug/L		
Co	ug/L		
Cr	ug/L		
Cu	ug/L		
Fe	ug/L	20000.00000	25000.00000
K	ug/L	80000.00000	100000.00000
Li	ug/L		
Mg	ug/L	80000.00000	100000.00000
Mn	ug/L		
Mo	ug/L		
Na	ug/L	80000.00000	100000.00000
Ni	ug/L		
Pb	ug/L		
Sb	ug/L		
Se	ug/L		
Si	ug/L		

El	Units	Standard 5	Standard 6
Sn	ug/L		
Sr	ug/L		
Ti	ug/L		
Tl	ug/L		
V	ug/L		
Zn	ug/L		
Zr	ug/L		

Calibration Parameters

Label	Thru. Blk	W/Fit	Curve Type	Max Error	Min Conc	Max Conc	E/Curve %	U/Curve %
Ag 338.289	Off	On	Linear	20.0	0.00000	25000.00000	25	400
Al 237.312	Off	On	Quadratic	20.0	0.00000	400000.00000	25	400
As 188.980	Off	On	Linear	20.0	0.00000	50000.00000	25	400
B 249.678	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Ba 493.408	Off	On	Linear	20.0	0.00000	12500.00000	25	400
Be 313.042	Off	On	Linear	20.0	0.00000	10000.00000	25	400
Ca 373.690	Off	On	Quadratic	20.0	0.00000	500000.00000	25	400
Cd 214.439	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Co 228.615	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Cr 267.716	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Cu 327.395	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Fe 273.955	Off	On	Quadratic	20.0	0.00000	750000.00000	25	400
K 404.721	Off	Off	Quadratic	20.0	0.00000	400000.00000	25	400
Li 610.365	Off	On	Linear	20.0	0.00000	100000.00000	25	400
Mg 279.078	Off	On	Quadratic	20.0	0.00000	300000.00000	25	400
Mn 257.610	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Mo 202.032	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Na 330.237	Off	On	Linear	20.0	0.00000	400000.00000	25	400
Ni 216.555	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Pb 220.353	Off	On	Linear	20.0	0.00000	100000.00000	25	400
Sb 217.582	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Se 196.026	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Si 251.611	Off	Off	Linear	20.0	0.00000	25000.00000	25	400
Si 288.158	Off	On	Linear	20.0	0.00000	25000.00000	25	400
Sn 189.925	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Sr 421.552	Off	On	Linear	20.0	0.00000	10000.00000	25	400
Ti 336.122	Off	On	Linear	20.0	0.00000	20000.00000	25	400
Tl 190.794	Off	On	Linear	20.0	0.00000	75000.00000	25	400
V 292.401	Off	On	Linear	20.0	0.00000	50000.00000	25	400
Zn 202.548	Off	On	Linear	20.0	0.00000	25000.00000	25	400
Zr 339.198	Off	On	Linear	20.0	0.00000	20000.00000	25	400

Detection Limits

El	Units	MDL	CRDL
Ag	ug/L	0.00000	5.00000
Al	ug/L	0.00000	100.00000
As	ug/L	0.00000	10.00000
B	ug/L	0.00000	50.00000
Ba	ug/L	0.00000	10.00000
Be	ug/L	0.00000	1.00000
Ca	ug/L	0.00000	400.00000
Cd	ug/L	0.00000	1.00000
Co	ug/L	0.00000	10.00000
Cr	ug/L	0.00000	5.00000

El	Units	MDL	CRDL
Cu	ug/L	0.00000	10.00000
Fe	ug/L	0.00000	100.00000
K	ug/L	0.00000	4000.00000
Li	ug/L	0.00000	100.00000
Mg	ug/L	0.00000	400.00000
Mn	ug/L	0.00000	10.00000
Mo	ug/L	0.00000	40.00000
Na	ug/L	0.00000	2000.00000
Ni	ug/L	0.00000	10.00000
Pb	ug/L	0.00000	5.00000
Sb	ug/L	0.00000	6.00000
Se	ug/L	0.00000	10.00000
Si	ug/L	0.00000	75.00000
Sn	ug/L	0.00000	50.00000
Sr	ug/L	0.00000	20.00000
Ti	ug/L	0.00000	10.00000
Tl	ug/L	0.00000	10.00000
V	ug/L	0.00000	10.00000
Zn	ug/L	0.00000	50.00000
Zr	ug/L	0.00000	10.00000

QCP Tests

QC Test Name	Failure Flag	Count As Sample	Subtract PBlk	No. Solutions
Cont Calib Verif	Q	Off	Off	1
Initial Calib Verif	Q	Off	Off	2
CRI	R	Off	Off	2
Lab Control Sample	L	On	Off	2
Interf Check A	K	Off	Off	1
Interf Check AB	G	Off	Off	1
Cont Calib Blank	Z	Off	Off	1
Initial Calib Blank	Z	Off	Off	1
Duplicate	*	On	Off	1
Matrix Spike	N	On	Off	1
Matrix Spike Dup	M	On	Off	1
Prep Blank	Z	Off	Off	1

Cont Calib Verif

Report Equation: (MeasuredConc / CCVDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(CCV)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	90.0	110.0
Al	ug/L	5000.00000	90.0	110.0
As	ug/L	1000.00000	90.0	110.0
B	ug/L	1000.00000	90.0	110.0
Ba	ug/L	1000.00000	90.0	110.0
Be	ug/L	1000.00000	90.0	110.0
Ca	ug/L	20000.00000	90.0	110.0
Cd	ug/L	1000.00000	90.0	110.0
Co	ug/L	1000.00000	90.0	110.0
Cr	ug/L	1000.00000	90.0	110.0
Cu	ug/L	1000.00000	90.0	110.0
Fe	ug/L	5000.00000	90.0	110.0
K	ug/L	20000.00000	90.0	110.0

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Li	ug/L	5000.00000	90.0	110.0
Mg	ug/L	20000.00000	90.0	110.0
Mn	ug/L	1000.00000	90.0	110.0
Mo	ug/L	1000.00000	90.0	110.0
Na	ug/L	20000.00000	90.0	110.0
Ni	ug/L	1000.00000	90.0	110.0
Pb	ug/L	1000.00000	90.0	110.0
Sb	ug/L	1000.00000	90.0	110.0
Se	ug/L	1000.00000	90.0	110.0
Si	ug/L	1000.00000	90.0	110.0
Sn	ug/L	1000.00000	90.0	110.0
Sr	ug/L	1000.00000	90.0	110.0
Ti	ug/L	1000.00000	90.0	110.0
Tl	ug/L	1000.00000	90.0	110.0
V	ug/L	1000.00000	90.0	110.0
Zn	ug/L	1000.00000	90.0	110.0
Zr	ug/L	1000.00000	90.0	110.0

Initial Calib Verif

Report Equation: (MeasuredConc / ICVDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(ICV)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	90.0	110.0
Al	ug/L	1000.00000	90.0	110.0
As	ug/L	1000.00000	90.0	110.0
B	ug/L	1000.00000	90.0	110.0
Ba	ug/L	1000.00000	90.0	110.0
Be	ug/L	1000.00000	90.0	110.0
Ca	ug/L	10000.00000	90.0	110.0
Cd	ug/L	1000.00000	90.0	110.0
Co	ug/L	1000.00000	90.0	110.0
Cr	ug/L	1000.00000	90.0	110.0
Cu	ug/L	1000.00000	90.0	110.0
Fe	ug/L	1000.00000	90.0	110.0
K	ug/L	10000.00000	90.0	110.0
Li	ug/L	10000.00000	90.0	110.0
Mg	ug/L	10000.00000	90.0	110.0
Mn	ug/L	1000.00000	90.0	110.0
Mo	ug/L	1000.00000	90.0	110.0
Na	ug/L	10000.00000	90.0	110.0
Ni	ug/L	1000.00000	90.0	110.0
Pb	ug/L	1000.00000	90.0	110.0
Sb	ug/L	1000.00000	90.0	110.0
Se	ug/L	1000.00000	90.0	110.0
Si	ug/L	500.00000	90.0	110.0
Sn	ug/L	1000.00000	90.0	110.0
Sr	ug/L	1000.00000	90.0	110.0
Ti	ug/L	1000.00000	90.0	110.0
Tl	ug/L	1000.00000	90.0	110.0
V	ug/L	1000.00000	90.0	110.0
Zn	ug/L	1000.00000	90.0	110.0
Zr	ug/L	1000.00000	90.0	110.0

(IPC)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	95.0	105.0
Al	ug/L	5000.00000	95.0	105.0
As	ug/L	1000.00000	95.0	105.0
B	ug/L	1000.00000	95.0	105.0
Ba	ug/L	1000.00000	95.0	105.0
Be	ug/L	1000.00000	95.0	105.0
Ca	ug/L	20000.00000	95.0	105.0
Cd	ug/L	1000.00000	95.0	105.0
Co	ug/L	1000.00000	95.0	105.0
Cr	ug/L	1000.00000	95.0	105.0
Cu	ug/L	1000.00000	95.0	105.0
Fe	ug/L	5000.00000	95.0	105.0
K	ug/L	20000.00000	95.0	105.0
Li	ug/L	5000.00000	95.0	105.0
Mg	ug/L	20000.00000	95.0	105.0
Mn	ug/L	1000.00000	95.0	105.0
Mo	ug/L	1000.00000	95.0	105.0
Na	ug/L	20000.00000	95.0	105.0
Ni	ug/L	1000.00000	95.0	105.0
Pb	ug/L	1000.00000	95.0	105.0
Sb	ug/L	1000.00000	95.0	105.0
Se	ug/L	1000.00000	95.0	105.0
Si	ug/L	1000.00000	95.0	105.0
Sn	ug/L	1000.00000	95.0	105.0
Sr	ug/L	1000.00000	95.0	105.0
Ti	ug/L	1000.00000	95.0	105.0
Tl	ug/L	1000.00000	95.0	105.0
V	ug/L	1000.00000	95.0	105.0
Zn	ug/L	1000.00000	95.0	105.0
Zr	ug/L	1000.00000	95.0	105.0

CRI

Report Equation: (MeasuredConc/CRIDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(CRI-RL)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	5.00000	70.0	130.0
Al	ug/L	100.00000	70.0	130.0
As	ug/L	10.00000	70.0	130.0
B	ug/L	10.00000	70.0	130.0
Ba	ug/L	10.00000	70.0	130.0
Be	ug/L	1.00000	70.0	130.0
Ca	ug/L	400.00000	70.0	130.0
Cd	ug/L	1.00000	70.0	130.0
Co	ug/L	10.00000	70.0	130.0
Cr	ug/L	5.00000	70.0	130.0
Cu	ug/L	10.00000	70.0	130.0
Fe	ug/L	100.00000	70.0	130.0
K	ug/L	4000.00000	70.0	130.0
Li	ug/L	100.00000	70.0	130.0
Mg	ug/L	400.00000	70.0	130.0
Mn	ug/L	10.00000	70.0	130.0
Mo	ug/L	10.00000	70.0	130.0

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Na	ug/L	2000.00000	70.0	130.0
Ni	ug/L	10.00000	70.0	130.0
Pb	ug/L	5.00000	70.0	130.0
Sb	ug/L	10.00000	70.0	130.0
Se	ug/L	10.00000	70.0	130.0
Si	ug/L	100.00000	70.0	130.0
Sn	ug/L	50.00000	70.0	130.0
Sr	ug/L	20.00000	70.0	130.0
Ti	ug/L	10.00000	70.0	130.0
Tl	ug/L	10.00000	70.0	130.0
V	ug/L	10.00000	70.0	130.0
Zn	ug/L	50.00000	70.0	130.0
Zr	ug/L	10.00000	70.0	130.0

(CRI-MCP)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	7.00000	70.0	130.0
As	ug/L	50.00000	70.0	130.0
Ba	ug/L	2000.00000	70.0	130.0
Be	ug/L	4.00000	70.0	130.0
Cd	ug/L	5.00000	70.0	130.0
Cr	ug/L	100.00000	70.0	130.0
Ni	ug/L	100.00000	70.0	130.0
Pb	ug/L	15.00000	70.0	130.0
Sb	ug/L	6.00000	70.0	130.0
Se	ug/L	50.00000	70.0	130.0
Tl	ug/L	2.00000	70.0	130.0
V	ug/L	50.00000	70.0	130.0
Zn	ug/L	900.00000	70.0	130.0

Lab Control Sample

Report Equation: (MeasuredConc / LCSDefined) * 100

Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)

(LCS)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	85.0	115.0
Al	ug/L	5000.00000	85.0	115.0
As	ug/L	1000.00000	85.0	115.0
B	ug/L	1000.00000	85.0	115.0
Ba	ug/L	1000.00000	85.0	115.0
Be	ug/L	1000.00000	85.0	115.0
Ca	ug/L	20000.00000	85.0	115.0
Cd	ug/L	1000.00000	85.0	115.0
Co	ug/L	1000.00000	85.0	115.0
Cr	ug/L	1000.00000	85.0	115.0
Cu	ug/L	1000.00000	85.0	115.0
Fe	ug/L	5000.00000	85.0	115.0
K	ug/L	20000.00000	85.0	115.0
Li	ug/L	5000.00000	85.0	115.0
Mg	ug/L	20000.00000	85.0	115.0
Mn	ug/L	1000.00000	85.0	115.0
Mo	ug/L	1000.00000	85.0	115.0
Na	ug/L	20000.00000	85.0	115.0
Ni	ug/L	1000.00000	85.0	115.0

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Pb	ug/L	1000.00000	85.0	115.0
Sb	ug/L	1000.00000	85.0	115.0
Se	ug/L	1000.00000	85.0	115.0
Si	ug/L	1000.00000	85.0	115.0
Sn	ug/L	1000.00000	85.0	115.0
Sr	ug/L	1000.00000	85.0	115.0
Ti	ug/L	1000.00000	85.0	115.0
Tl	ug/L	1000.00000	85.0	115.0
V	ug/L	1000.00000	85.0	115.0
Zn	ug/L	1000.00000	85.0	115.0
Zr	ug/L	1000.00000	85.0	115.0

(LCSD)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	85.0	115.0
Al	ug/L	5000.00000	85.0	115.0
As	ug/L	1000.00000	85.0	115.0
B	ug/L	1000.00000	85.0	115.0
Ba	ug/L	1000.00000	85.0	115.0
Be	ug/L	1000.00000	85.0	115.0
Ca	ug/L	20000.00000	85.0	115.0
Cd	ug/L	1000.00000	85.0	115.0
Co	ug/L	1000.00000	85.0	115.0
Cr	ug/L	1000.00000	85.0	115.0
Cu	ug/L	1000.00000	85.0	115.0
Fe	ug/L	5000.00000	85.0	115.0
K	ug/L	20000.00000	85.0	115.0
Li	ug/L	5000.00000	85.0	115.0
Mg	ug/L	20000.00000	85.0	115.0
Mn	ug/L	1000.00000	85.0	115.0
Mo	ug/L	1000.00000	85.0	115.0
Na	ug/L	20000.00000	85.0	115.0
Ni	ug/L	1000.00000	85.0	115.0
Pb	ug/L	1000.00000	85.0	115.0
Sb	ug/L	1000.00000	85.0	115.0
Se	ug/L	1000.00000	85.0	115.0
Si	ug/L	1000.00000	85.0	115.0
Sn	ug/L	1000.00000	85.0	115.0
Sr	ug/L	1000.00000	85.0	115.0
Ti	ug/L	1000.00000	85.0	115.0
Tl	ug/L	1000.00000	85.0	115.0
V	ug/L	1000.00000	85.0	115.0
Zn	ug/L	1000.00000	85.0	115.0
Zr	ug/L	1000.00000	85.0	115.0

Interf Check A

Report Equation: MeasuredConc

Pass Test Equation: ABS(ReportValue) < CRDL

(ICSA)

El
Ag
Al
As
B

El
Ba
Be
Ca
Cd
Co
Cr
Cu
Fe
K
Li
Mg
Mn
Mo
Na
Ni
Pb
Sb
Se
Si
Sn
Sr
Ti
Tl
V
Zn
Zr

Interf Check AB
Report Equation: (MeasuredConc / ICSABDefined) * 100
Pass Test Equation: ((ReportValue >= LowLimit) AND (ReportValue <= HighLimit)) OR (MDL > CRDL)
(ICSAB)

El	Units	Defined Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	600.00000	80.0	120.0
Al	ug/L	100000.00000	80.0	120.0
As	ug/L	2000.00000	80.0	120.0
Ba	ug/L	600.00000	80.0	120.0
Be	ug/L	200.00000	80.0	120.0
Ca	ug/L	100000.00000	80.0	120.0
Cd	ug/L	600.00000	80.0	120.0
Co	ug/L	600.00000	80.0	120.0
Cr	ug/L	600.00000	80.0	120.0
Cu	ug/L	600.00000	80.0	120.0
Fe	ug/L	100000.00000	80.0	120.0
K	ug/L	40000.00000	80.0	120.0
Mg	ug/L	100000.00000	80.0	120.0
Mn	ug/L	400.00000	80.0	120.0
Ni	ug/L	600.00000	80.0	120.0
Pb	ug/L	2000.00000	80.0	120.0
Sb	ug/L	1000.00000	80.0	120.0
Se	ug/L	1000.00000	80.0	120.0
Tl	ug/L	2000.00000	80.0	120.0
V	ug/L	600.00000	80.0	120.0
Zn	ug/L	600.00000	80.0	120.0

Cont Calib Blank
Report Equation: MeasuredConc
Pass Test Equation: ABS(ReportValue) <= CRDL
(CCB)

El
Ag
Al
As
B
Ba
Be
Ca
Cd
Co
Cr
Cu
Fe
K
Li
Mg
Mn
Mo
Na
Ni
Pb
Sb
Se
Si
Sn
Sr
Ti
Tl
V
Zn
Zr

Initial Calib Blank
Report Equation: MeasuredConc
Pass Test Equation: ABS(ReportValue) <= CRDL
(ICB)

El
Ag
Al
As
B
Ba
Be
Ca
Cd
Co
Cr
Cu
Fe
K

El
Li
Mg
Mn
Mo
Na
Ni
Pb
Sb
Se
Si
Sn
Sr
Ti
Tl
V
Zn
Zr

Duplicate
Report Equation: 100 * ABS(PrevSampleConc - MeasuredConc) / ((PrevSampleConc + MeasuredConc)/2)
Pass Test Equation: (ReportValue <= Difference)
(Duplicate)

El	Units	Difference(%)
Ag	ug/L	20
Al	ug/L	20
As	ug/L	20
B	ug/L	20
Ba	ug/L	20
Be	ug/L	20
Ca	ug/L	20
Cd	ug/L	20
Co	ug/L	20
Cr	ug/L	20
Cu	ug/L	20
Fe	ug/L	20
K	ug/L	20
Li	ug/L	20
Mg	ug/L	20
Mn	ug/L	20
Mo	ug/L	20
Na	ug/L	20
Ni	ug/L	20
Pb	ug/L	20
Sb	ug/L	20
Se	ug/L	20
Si	ug/L	20
Sn	ug/L	20
Sr	ug/L	20
Ti	ug/L	20
Tl	ug/L	20
V	ug/L	20
Zn	ug/L	20
Zr	ug/L	20

Matrix Spike
Report Equation: 100 * (MeasuredConc - PrevSampleConc) / MSPKDefined
Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit)
(Matrix Spike)

El	Units	Spike Conc	Low Limit(%)	High Limit(%)
Ag	ug/L	1000.00000	75.0	125.0
Al	ug/L	5000.00000	75.0	125.0
As	ug/L	1000.00000	75.0	125.0
B	ug/L	1000.00000	75.0	125.0
Ba	ug/L	1000.00000	75.0	125.0
Be	ug/L	1000.00000	75.0	125.0
Ca	ug/L	20000.00000	75.0	125.0
Cd	ug/L	1000.00000	75.0	125.0
Co	ug/L	1000.00000	75.0	125.0
Cr	ug/L	1000.00000	75.0	125.0
Cu	ug/L	1000.00000	75.0	125.0
Fe	ug/L	5000.00000	75.0	125.0
K	ug/L	20000.00000	75.0	125.0
Li	ug/L	5000.00000	75.0	125.0
Mg	ug/L	20000.00000	75.0	125.0
Mn	ug/L	1000.00000	75.0	125.0
Mo	ug/L	1000.00000	75.0	125.0
Na	ug/L	20000.00000	75.0	125.0
Ni	ug/L	1000.00000	75.0	125.0
Pb	ug/L	1000.00000	75.0	125.0
Sb	ug/L	1000.00000	75.0	125.0
Se	ug/L	1000.00000	75.0	125.0
Si	ug/L	1000.00000	75.0	125.0
Sn	ug/L	1000.00000	75.0	125.0
Sr	ug/L	1000.00000	75.0	125.0
Ti	ug/L	1000.00000	75.0	125.0
Tl	ug/L	1000.00000	75.0	125.0
V	ug/L	1000.00000	75.0	125.0
Zn	ug/L	1000.00000	75.0	125.0
Zr	ug/L	1000.00000	75.0	125.0

Matrix Spike Dup
Report Equation: 100 * (MeasuredConc - PrevSampleConc) / MSDDefined and 100 * ABS(PrevSolutionConc - MeasuredConc) / ((PrevSolutionConc + MeasuredConc)/2)
Pass Test Equation: (ReportValue >= LowLimit) AND (ReportValue <= HighLimit) and (ReportValue <= Difference)
(Matrix Spike Dup)

El	Units	Spike Conc	Low Limit(%)	High Limit(%)	Difference(%)
Ag	ug/L	1000.00000	75.0	125.0	20
Al	ug/L	5000.00000	75.0	125.0	20
As	ug/L	1000.00000	75.0	125.0	20
B	ug/L	1000.00000	75.0	125.0	20
Ba	ug/L	1000.00000	75.0	125.0	20
Be	ug/L	1000.00000	75.0	125.0	20
Ca	ug/L	20000.00000	75.0	125.0	20
Cd	ug/L	1000.00000	75.0	125.0	20
Co	ug/L	1000.00000	75.0	125.0	20
Cr	ug/L	1000.00000	75.0	125.0	20
Cu	ug/L	1000.00000	75.0	125.0	20
Fe	ug/L	5000.00000	75.0	125.0	20

El	Units	Spike Conc	Low Limit(%)	High Limit(%)	Difference(%)
K	ug/L	20000.00000	75.0	125.0	20
Li	ug/L	5000.00000	75.0	125.0	20
Mg	ug/L	20000.00000	75.0	125.0	20
Mn	ug/L	1000.00000	75.0	125.0	20
Mo	ug/L	1000.00000	75.0	125.0	20
Na	ug/L	20000.00000	75.0	125.0	20
Ni	ug/L	1000.00000	75.0	125.0	20
Pb	ug/L	1000.00000	75.0	125.0	20
Sb	ug/L	1000.00000	75.0	125.0	20
Se	ug/L	1000.00000	75.0	125.0	20
Si	ug/L	1000.00000	75.0	125.0	20
Sn	ug/L	1000.00000	75.0	125.0	20
Sr	ug/L	1000.00000	75.0	125.0	20
Ti	ug/L	1000.00000	75.0	125.0	20
Tl	ug/L	1000.00000	75.0	125.0	20
V	ug/L	1000.00000	75.0	125.0	20
Zn	ug/L	1000.00000	75.0	125.0	20
Zr	ug/L	1000.00000	75.0	125.0	20

Prep Blank
Report Equation: MeasuredConc
Pass Test Equation: ABS(ReportValue) <= CRDL
(RB)

El

IEC Factor Matrix

Analyte	As 188.980	Co 228.615	Cu 327.395	Ni 216.555
Ca 373.690	0.000000	0.000000	0.000000	0.000000
Ba 493.408	0.000000	0.000000	0.000000	0.000000
Be 313.042	0.000001	-0.000000	-0.000000	0.000000
Li 610.365	0.000000	0.000000	0.000000	0.000000
Mg 279.078	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Se 196.026	0.000000	0.000000	0.000000	0.000000
Na 330.237	0.000000	0.000000	0.000000	0.000000
Sr 421.552	0.000000	0.000000	0.000000	0.000000
B 249.678	0.000000	0.001516	0.000000	0.000000
Si 251.611	0.000000	0.000000	0.000000	0.000000
Ti 336.122	0.000000	0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000000	0.000000	0.000000
Cr 267.716	0.000000	0.000000	0.000000	-0.000000
Co 228.615	0.000000		0.000000	0.000112
Pb 220.353	0.000000	0.000000	0.000000	0.000000
Mn 257.610	0.000000	0.000000	0.000000	0.000000
Ni 216.555	0.003743	0.000000	0.000000	
Tl 190.794	0.000000	0.002522	0.000000	0.000000
Zn 202.548	0.000000	0.000000	0.007636	0.000000
Ag 338.289	0.000000	0.000000	0.000000	0.000254
Al 237.312	0.000000	0.001020	0.000000	0.000000
Cu 327.395	0.000000	0.000287		0.000000
Si 288.158	0.000000	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000	-0.000000	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
As 188.980		0.000000	0.000000	0.000000

Analyte	As 188.980	Co 228.615	Cu 327.395	Ni 216.555
V 292.401	0.000000	0.000001	0.000000	0.000000
Cd 214.439	0.000000	-0.000000	0.000000	0.000000
Sb 217.582	0.000000	0.000000	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000
Analyte	**V 292.401**	**Cd 214.439**	**Cr 267.716**	**Mn 257.610**
Ca 373.690	0.000000	0.000000	0.000000	0.000000
Ba 493.408	0.000000	-0.000000	-0.000000	0.000000
Be 313.042	0.000097	0.000000	-0.000000	0.000000
Li 610.365	0.000000	0.000000	0.000000	0.000000
Mg 279.078	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Se 196.026	0.000000	0.000000	0.000000	0.000778
Na 330.237	0.000000	0.000000	0.000000	0.000000
Sr 421.552	0.000000	-0.000000	0.000000	0.000000
B 249.678	0.000000	0.000000	0.000431	0.000000
Si 251.611	0.000000	0.000000	0.000000	0.000000
Ti 336.122	0.000000	0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000000	0.000000	0.000000
Cr 267.716	0.000000	0.000000		0.000000
Co 228.615	0.000000	0.000000	0.000000	0.000000
Pb 220.353	0.000000	0.000000	0.000000	0.000000
Mn 257.610	0.000000	0.000000	0.000000	
Ni 216.555	0.000000	0.000000	0.000000	0.000000
Tl 190.794	0.001320	0.000000	0.000232	0.000000
Zn 202.548	0.000000	0.000000	0.000000	0.000000
Ag 338.289	-0.000218	0.000000	0.019322	0.000000
Al 237.312	0.000084	0.000000	0.000000	0.000000
Cu 327.395	0.000000	0.000000	0.000000	0.000000
Si 288.158	0.000000	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000	0.000952	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
As 188.980	0.000000	0.000000	0.000270	0.000000
V 292.401		0.000000	0.000000	0.000000
Cd 214.439	0.000000		0.000000	0.000000
Sb 217.582	0.000000	0.000895	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000
Analyte	**Be 313.042**	**Sb 217.582**	**Si 251.611**	**Ti 336.122**
Ca 373.690	0.000000	0.000000	0.000000	0.000000
Ba 493.408	0.000000	0.000000	0.000000	-0.000000
Be 313.042		0.000000	0.000000	0.000000
Li 610.365	0.000000	-0.000000	0.000000	0.000006
Mg 279.078	0.000000	0.000000	0.000000	0.000000
K 404.721	0.000000	0.000000	0.000000	0.000000
Se 196.026	0.000000	0.000000	0.000001	0.000000
Na 330.237	0.000000	0.000000	0.000000	0.000000
Sr 421.552	-0.000000	-0.000000	0.000000	0.000000
B 249.678	0.000000	0.000000	0.001157	0.000000
Si 251.611	0.000000	0.019093		0.032562
Ti 336.122	0.000000	0.000000	0.000000	
Zr 339.198	0.000000	0.000000	0.000000	0.000000
Cr 267.716	0.000000	0.000000	0.000000	0.000000
Co 228.615	0.000000	0.000000	0.000000	0.001848
Pb 220.353	0.000000	0.000000	0.000000	0.000000
Mn 257.610	0.000000	0.000001	0.000000	0.000000

Analyte	Be 313.042	Sb 217.582	Si 251.611	Ti 336.122
Ni 216.555	0.000000	0.000000	0.000000	0.000000
Tl 190.794	0.000000	0.000000	0.000000	0.000000
Zn 202.548	0.000000	0.000000	0.000000	-0.000000
Ag 338.289	0.000000	0.000000	0.000000	0.000000
Al 237.312	0.000000	0.000000	0.000000	0.000000
Cu 327.395	0.000000	0.000000	0.000000	0.000000
Si 288.158	0.000000	0.020256		0.000000
Fe 273.955	0.000000	-0.000000	0.000000	0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000000
As 188.980	0.000000	0.000000	0.000000	0.000000
V 292.401	0.000000	0.000000	0.000000	0.000626
Cd 214.439	0.000000	0.000000	-0.000000	0.000000
Sb 217.582	0.000000		0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000

Analyte	Zn 202.548	Ca 373.690	Fe 273.955	Mg 279.078
Ca 373.690	0.000000		0.011925	0.000000
Ba 493.408	0.000000	0.000000	0.000000	0.000000
Be 313.042	0.000000	0.000000	0.000000	0.000000
Li 610.365	0.000000	0.000000	0.000000	0.000000
Mg 279.078	0.000000	0.000000	0.000120	
K 404.721	0.000000	0.000000	0.001838	0.000000
Se 196.026	0.000000	0.000000	-0.000008	0.000000
Na 330.237	-0.081530	0.000000	0.000000	0.000000
Sr 421.552	0.000000	0.000020	0.000000	0.000000
B 249.678	0.000000	0.000000	0.000000	0.000000
Si 251.611	0.000000	0.000000	0.000000	0.000000
Ti 336.122	0.000000	0.000000	0.000000	0.000000
Zr 339.198	0.000000	0.000000	0.000000	-0.000000
Cr 267.716	0.000000	0.000000	0.000000	0.000000
Co 228.615	0.000000	0.000000	0.000032	0.000000
Pb 220.353	0.000000	0.000000	-0.000005	0.000000
Mn 257.610	0.000000	0.000000	0.000000	0.000029
Ni 216.555	0.000000	0.000000	0.000099	0.000000
Tl 190.794	0.000000	0.000002	0.000000	0.000000
Zn 202.548		0.000000	0.000019	0.000000
Ag 338.289	0.000000	0.000000	0.000001	0.000000
Al 237.312	0.000000	0.000000	0.000000	0.000000
Cu 327.395	0.000000	0.000000	0.000000	0.000000
Si 288.158	0.000000	0.000000	0.000000	0.000000
Fe 273.955	0.000000	0.000000		0.000000
Sn 189.925	0.000000	0.000000	0.000000	0.000004
As 188.980	0.000000	0.000000	0.000000	0.000000
V 292.401	0.000000	0.000019	0.000009	0.000000
Cd 214.439	0.000000	0.000000	0.000017	0.000000
Sb 217.582	0.000000	0.000000	0.000000	0.000000
Mo 202.032	0.000000	0.000000	0.000000	0.000000

Analyte	Ba 493.408
Ca 373.690	0.000000
Ba 493.408	
Be 313.042	0.000000
Li 610.365	0.000000
Mg 279.078	0.000000
K 404.721	0.061139
Se 196.026	0.000000

Analyte	Ba 493.408
Na 330.237	0.000000
Sr 421.552	0.000000
B 249.678	0.000000
Si 251.611	0.000000
Ti 336.122	0.000000
Zr 339.198	0.000000
Cr 267.716	0.000000
Co 228.615	0.000000
Pb 220.353	0.000000
Mn 257.610	0.000000
Ni 216.555	0.000000
Tl 190.794	0.000000
Zn 202.548	0.000000
Ag 338.289	0.000000
Al 237.312	0.000000
Cu 327.395	0.000000
Si 288.158	0.000000
Fe 273.955	0.000000
Sn 189.925	0.000000
As 188.980	0.000000
V 292.401	0.000000
Cd 214.439	-0.000001
Sb 217.582	0.000000
Mo 202.032	0.000000

e - Locked factor.

i - Factor not calculated due to Interferent error.

a - Factor not calculated due to Analyte error.

Units

Unit Name	Multiplier	Divider
ppb	1	1E9
ug/L	1	1E9

Columns

Column
Ag 338.289
Al 237.312
As 188.980
B 249.678
Ba 493.408
Be 313.042
Ca 373.690
Cd 214.439
Co 228.615
Cr 267.716
Cu 327.395
Fe 273.955
K 404.721
Li 610.365
Mg 279.078
Mn 257.610

Column
Mo 202.032
Na 330.237
Ni 216.555
Pb 220.353
Sb 217.582
Se 196.026
Si 251.611
Si 288.158
Sn 189.925
Sr 421.552
Ti 336.122
Tl 190.794
V 292.401
Zn 202.548
Zr 339.198

Display Column Flags

Column	o	QC	S	e	uncal	I	n	a	u	v	x	b	p	m	d
Ag 338.289	x	x	x	x	x	x	x	x	x	x	x	x	x		
Al 237.312	x	x	x	x	x	x	x	x	x	x	x	x	x		
As 188.980	x	x	x	x	x	x	x	x	x	x	x	x	x		
B 249.678	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ba 493.408	x	x	x	x	x	x	x	x	x	x	x	x	x		
Be 313.042	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ca 373.690	x	x	x	x	x	x	x	x	x	x	x	x	x		
Cd 214.439	x	x	x	x	x	x	x	x	x	x	x	x	x		
Co 228.615	x	x	x	x	x	x	x	x	x	x	x	x	x		
Cr 267.716	x	x	x	x	x	x	x	x	x	x	x	x	x		
Cu 327.395	x	x	x	x	x	x	x	x	x	x	x	x	x		
Fe 273.955	x	x	x	x	x	x	x	x	x	x	x	x	x		
K 404.721	x	x	x	x	x	x	x	x	x	x	x	x	x		
Li 610.365	x	x	x	x	x	x	x	x	x	x	x	x	x		
Mg 279.078	x	x	x	x	x	x	x	x	x	x	x	x	x		
Mn 257.610	x	x	x	x	x	x	x	x	x	x	x	x	x		
Mo 202.032	x	x	x	x	x	x	x	x	x	x	x	x	x		
Na 330.237	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ni 216.555	x	x	x	x	x	x	x	x	x	x	x	x	x		
Pb 220.353	x	x	x	x	x	x	x	x	x	x	x	x	x		
Sb 217.582	x	x	x	x	x	x	x	x	x	x	x	x	x		
Se 196.026	x	x	x	x	x	x	x	x	x	x	x	x	x		
Si 251.611	x	x	x	x	x	x	x	x	x	x	x	x	x		
Si 288.158	x	x	x	x	x	x	x	x	x	x	x	x	x		
Sn 189.925	x	x	x	x	x	x	x	x	x	x	x	x	x		
Sr 421.552	x	x	x	x	x	x	x	x	x	x	x	x	x		
Ti 336.122	x	x	x	x	x	x	x	x	x	x	x	x	x		
Tl 190.794	x	x	x	x	x	x	x	x	x	x	x	x	x		
V 292.401	x	x	x	x	x	x	x	x	x	x	x	x	x		
Zn 202.548	x	x	x	x	x	x	x	x	x	x	x	x	x		
Zr 339.198	x	x	x	x	x	x	x	x	x	x	x	x	x		

Blank (Blk) **12/5/2011, 2:58:52 PM** **Rack 0, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	0.000000	ug/L	4.924	707.7	-0.695801
Al 237.312	0.000000	ug/L	0.797	4.0	20.1201
As 188.980	0.000000	ug/L	1.996	70.6	2.82822
B 249.678	0.000000	ug/L	10.066	12.9	78.1111
Ba 493.408	0.000000	ug/L	33.809	12.3	273.906
Be 313.042	0.000000	ug/L	13.966	5.8	240.006
Ca 373.690	0.000000	ug/L	3.801	4.3	88.8472
Cd 214.439	0.000000	ug/L	0.254	3.2	8.05203
Co 228.615	0.000000	ug/L	0.831	2.8	29.9601
Cr 267.716	0.000000	ug/L	2.973	5.5	54.5354
Cu 327.395	0.000000	ug/L	15.286	7.0	219.495
Fe 273.955	0.000000	ug/L	33.128	32.1	103.122
K 404.721	0.000000	ug/L	3.624	12.9	28.0176
Li 610.365	0.000000	ug/L	9.888	60.0	-16.4688
Mg 279.078	0.000000	ug/L	1.116	3.0	37.3469
Mn 257.610	0.000000	ug/L	4.865	6.2	78.8042
Mo 202.032	0.000000	ug/L	1.192	8.3	14.3618
Na 330.237	0.000000	ug/L	4.157	34.5	12.0439
Ni 216.555	0.000000	ug/L	0.411	4.1	9.96490
Pb 220.353	0.000000	ug/L	0.472	2.4	19.4037
Sb 217.582	0.000000	ug/L	1.457	14.8	9.81335
Se 196.026	0.000000	ug/L	2.627	54.9	4.78526
Si 251.611	0.000000	ug/L	11.511	16.7	68.9831
Si 288.158	0.000000	ug/L	13.162	2.8	470.182
Sn 189.925	0.000000	ug/L	1.373	19.5	7.04614
Sr 421.552	0.000000	ug/L	9.546	7.1	133.902
Ti 336.122	0.000000	ug/L	8.261	12.1	68.1880
Tl 190.794	0.000000	ug/L	3.236	63.7	5.08194
V 292.401	0.000000	ug/L	2.331	4.9	47.5564
Zn 202.548	0.000000	ug/L	1.391	4.0	34.4483
Zr 339.198	0.000000	ug/L	1.741	55.5	3.13477

Standard 1 (Std) **12/5/2011, 1:39:16 PM** **Rack 0, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 338.289	1000.00	ug/L	64.368	0.6	11087.5
Al 237.312	5000.00	ug/L	215.662	0.9	24161.5
As 188.980	1000.00	ug/L	11.586	0.6	1856.15
B 249.678	1000.00	ug/L	377.170	1.1	33608.9
Ba 493.408	1000.00	ug/L	20073.170	0.8	2565026
Be 313.042	1000.00	ug/L	25810.105	0.6	4252656
Ca 373.690	20000.0	ug/L	1166.516	0.7	177275
Cd 214.439	1000.00	ug/L	492.406	0.7	70237.7
Co 228.615	1000.00	ug/L	107.699	0.8	14322.8
Cr 267.716	1000.00	ug/L	415.055	0.6	70155.1
Cu 327.395	1000.00	ug/L	316.795	0.4	73372.8
Fe 273.955	5000.00	ug/L	978.674	0.8	121580
K 404.721	20000.0	ug/L	2.522	0.4	589.942
Li 610.365	5000.00	ug/L	1795.079	0.3	644521
Mg 279.078	20000.0	ug/L	1098.225	0.7	162944
Mn 257.610	1000.00	ug/L	2820.472	0.7	417936
Mo 202.032	1000.00	ug/L	308.553	2.6	12008.8
Na 330.237	20000.0	ug/L	23.427	0.4	5940.29

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ni 216.555	1000.00	ug/L	130.872	0.9	14062.5
Pb 220.353	1000.00	ug/L	61.112	0.7	8440.19
Sb 217.582	1000.00	ug/L	12.628	0.5	2371.02
Se 196.026	1000.00	ug/L	17.467	1.8	952.367
Si 251.611	1000.00	ug/L	110.336	1.7	6601.69
Si 288.158	1000.00	ug/L	221.700	1.4	15934.7
Sn 189.925	1000.00	ug/L	24.103	0.8	2886.61
Sr 421.552	1000.00	ug/L	19327.881	0.6	3094275
Ti 336.122	1000.00	ug/L	2858.435	0.9	326133
Tl 190.794	1000.00	ug/L	13.721	0.8	1673.33
V 292.401	1000.00	ug/L	409.050	0.7	55980.0
Zn 202.548	1000.00	ug/L	311.500	0.6	52671.6
Zr 339.198	1000.00	ug/L	155.934	0.2	73106.0

Standard 2 (Std) **12/5/2011, 1:42:13 PM** **Rack 0, Tube 3**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	10000.0	ug/L	246.371	0.5	45121.1
Ca 373.690	40000.0	ug/L	1398.944	0.4	334205
Fe 273.955	10000.0	ug/L	1191.066	0.5	228396
K 404.721	40000.0	ug/L	9.253	0.8	1196.01
Mg 279.078	40000.0	ug/L	788.446	0.3	306493
Na 330.237	40000.0	ug/L	19.416	0.2	11734.3

Standard 3 (Std) **12/5/2011, 1:45:09 PM** **Rack 0, Tube 4**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	12500.0	ug/L	572.961	1.0	56245.4
Ca 373.690	50000.0	ug/L	2990.620	0.7	416805
Fe 273.955	12500.0	ug/L	2625.134	0.9	283920
K 404.721	50000.0	ug/L	17.226	1.1	1518.27
Mg 279.078	50000.0	ug/L	2715.047	0.7	382357
Na 330.237	50000.0	ug/L	90.713	0.6	14608.2

Standard 4 (Std) **12/5/2011, 1:48:05 PM** **Rack 0, Tube 5**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	15000.0	ug/L	345.966	0.5	65777.3
Ca 373.690	60000.0	ug/L	1914.956	0.4	486471
Fe 273.955	15000.0	ug/L	2016.182	0.6	331145
K 404.721	60000.0	ug/L	5.540	0.3	1791.59
Mg 279.078	60000.0	ug/L	2153.737	0.5	446621
Na 330.237	60000.0	ug/L	33.361	0.2	16983.3

Standard 5 (Std) **12/5/2011, 1:51:03 PM** **Rack 0, Tube 6**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	20000.0	ug/L	786.805	0.9	85631.1
Ca 373.690	80000.0	ug/L	3894.479	0.6	620332
Fe 273.955	20000.0	ug/L	4151.380	1.0	435043
K 404.721	80000.0	ug/L	19.326	0.8	2424.96
Mg 279.078	80000.0	ug/L	3788.546	0.7	573351
Na 330.237	80000.0	ug/L	108.794	0.5	22163.1

Standard 6 (Std) **12/5/2011, 1:54:00 PM** **Rack 0, Tube 7**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Al 237.312	25000.0	ug/L	426.772	0.4	105560
Ca 373.690	100000	ug/L	2686.210	0.4	760753
Fe 273.955	25000.0	ug/L	2325.343	0.4	524840
K 404.721	100000	ug/L	2.519	0.1	3028.97
Mg 279.078	100000	ug/L	2691.690	0.4	704336
Na 330.237	100000	ug/L	123.655	0.5	26822.1

Ag 338.289 Calibration (ug/L) **12/5/2011, 2:58:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.695801	0.000000	0.000000	-	-
Standard 1		11087.5	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 11.1 x + -0.7

Al 237.312 Calibration (ug/L) **12/5/2011, 2:58:52 PM** **Correlation Coefficient: 0.999870**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		20.1201	0.000000	-0.001137	-	-
Standard 1		24161.5	5000.00	5184.64	184.637	3.7
Standard 2		45121.1	10000.0	9918.01	-81.9922	-0.8
Standard 3		56245.4	12500.0	12530.0	30.0039	0.2
Standard 4		65777.3	15000.0	14829.1	-170.895	-1.1
Standard 5		85631.1	20000.0	19819.9	-180.119	-0.9
Standard 6		105560	25000.0	25147.5	147.545	0.6

Curve Type: Quadratic Equation: $y = 0.0 x^2 + 4.8 x + 20.1$

As 188.980 Calibration (ug/L) **12/5/2011, 2:58:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.82822	0.000000	0.000000	-	-
Standard 1		1856.15	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 1.9 x + 2.8

B 249.678 Calibration (ug/L) **12/5/2011, 2:58:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		78.1111	0.000000	0.000000	-	-
Standard 1		33608.9	1000.00	1000.000	-0.000061	0.0

Curve Type: Linear Equation: y = 33.5 x + 78.1

Ba 493.408 Calibration (ug/L) **12/5/2011, 2:58:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		273.906	0.000000	0.000000	-	-
Standard 1		2565026	1000.00	1000.000	-0.000061	0.0

Curve Type: Linear Equation: y = 2564.8 x + 273.9

Be 313.042 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		240.006	0.000000	0.000000	-	-
Standard 1		4252656	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 4252.4 x + 240.0

Ca 373.690 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 0.999876

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		88.8472	0.000000	-0.001805	-	-
Standard 1		177275	20000.0	20395.1	395.121	2.0
Standard 2		334205	40000.0	39695.8	-304.234	-0.8
Standard 3		416805	50000.0	50409.5	409.516	0.8
Standard 4		486471	60000.0	59788.4	-211.582	-0.4
Standard 5		620332	80000.0	78832.3	-1167.70	-1.5
Standard 6		760753	100000	100579	579.109	0.6

Curve Type: Quadratic Equation: $y = 0.0 x^2 + 9.0 x + 88.9$

Cd 214.439 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		8.05203	0.000000	0.000000	-	-
Standard 1		70237.7	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 70.2 x + 8.1

Co 228.615 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		29.9601	0.000000	0.000000	-	-
Standard 1		14322.8	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 14.3 x + 30.0

Cr 267.716 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		54.5354	0.000000	0.000000	-	-
Standard 1		70155.1	1000.00	1000.000	-0.000061	0.0

Curve Type: Linear Equation: y = 70.1 x + 54.5

Cu 327.395 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		219.495	0.000000	0.000000	-	-
Standard 1		73372.8	1000.00	1000.000	-0.000061	0.0

Curve Type: Linear Equation: y = 73.2 x + 219.5

Fe 273.955 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 0.999911

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		103.122	0.000000	-0.061451	-	-
Standard 1		121580	5000.00	5127.29	127.287	2.5
Standard 2		228396	10000.0	9914.89	-85.1113	-0.9
Standard 3		283920	12500.0	12524.0	24.0039	0.2
Standard 4		331145	15000.0	14816.7	-183.294	-1.2
Standard 5		435043	20000.0	20134.4	134.418	0.7
Standard 6		524840	25000.0	25093.6	93.6309	0.4

Curve Type: Quadratic Equation: $y = 0.0 x^2 + 24.4 x + 104.6$

K 404.721 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 0.999928

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		28.0176	0.000000	284.964	-	-
Standard 1		589.942	20000.0	19472.0	-527.963	-2.6
Standard 2		1196.01	40000.0	39869.8	-130.250	-0.3
Standard 3		1518.27	50000.0	50594.5	594.500	1.2
Standard 4		1791.59	60000.0	59626.8	-373.234	-0.6
Standard 5		2424.96	80000.0	80337.9	337.914	0.4
Standard 6		3028.97	100000	99813.7	-186.281	-0.2

Curve Type: Quadratic Equation: $y = 0.0 x^2 + 0.0 x + 19.7$

Li 610.365 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-16.4688	0.000000	0.000000	-	-
Standard 1		644521	5000.00	5000.00	0.000000	0.0

Curve Type: Linear Equation: y = 128.9 x + -16.5

Mg 279.078 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 0.999891

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		37.3469	0.000000	-0.000235	-	-
Standard 1		162944	20000.0	20568.8	568.838	2.8
Standard 2		306493	40000.0	39803.2	-196.777	-0.5
Standard 3		382357	50000.0	50458.4	458.367	0.9
Standard 4		446621	60000.0	59784.7	-215.301	-0.4
Standard 5		573351	80000.0	79098.1	-901.898	-1.1
Standard 6		704336	100000	100594	594.172	0.6

Curve Type: Quadratic Equation: $y = 0.0 x^2 + 8.2 x + 37.3$

Mn 257.610 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		78.8042	0.000000	0.000000	-	-
Standard 1		417936	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 417.9 x + 78.8

Mo 202.032 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		14.3618	0.000000	0.000000	-	-
Standard 1		12008.8	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 12.0 x + 14.4

Na 330.237 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 0.998698

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		12.0439	0.000000	-31.8779	-	-
Standard 1		5940.29	20000.0	20617.7	617.738	3.1
Standard 2		11734.3	40000.0	40799.9	799.863	2.0
Standard 3		14608.2	50000.0	50810.2	810.168	1.6
Standard 4		16983.3	60000.0	59083.3	-916.719	-1.5
Standard 5		22163.1	80000.0	77126.1	-2873.89	-3.6
Standard 6		26822.1	100000	93354.6	-6645.38	-6.6

Curve Type: Linear Equation: y = 0.3 x + 21.2

Ni 216.555 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.96490	0.000000	0.000000	-	-
Standard 1		14062.5	1000.00	1000.000	-0.000061	0.0

Curve Type: Linear Equation: y = 14.1 x + 10.0

Pb 220.353 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		19.4037	0.000000	0.000000	-	-
Standard 1		8440.19	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 8.4 x + 19.4

Sb 217.582 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.81335	0.000000	0.000000	-	-
Standard 1		2371.02	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 2.4 x + 9.8

Se 196.026 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.78526	0.000000	0.000000	-	-
Standard 1		952.367	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 0.9 x + 4.8

Si 251.611 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		68.9831	0.000000	0.000000	-	-
Standard 1		6601.69	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 6.5 x + 69.0

Si 288.158 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		470.182	0.000000	0.000000	-	-
Standard 1		15934.7	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 15.5 x + 470.2

Sn 189.925 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		7.04614	0.000000	0.000000	-	-
Standard 1		2886.61	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 2.9 x + 7.0

Sr 421.552 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		133.902	0.000000	0.000000	-	-
Standard 1		3094275	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 3094.1 x + 133.9

Ti 336.122 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		68.1880	0.000000	0.000000	-	-
Standard 1		326133	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 326.1 x + 68.2

Tl 190.794 Calibration (ug/L) 12/5/2011, 2:58:52 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.08194	0.000000	0.000000	-	-
Standard 1		1673.33	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 1.7 x + 5.1

V 292.401 Calibration (ug/L) **12/5/2011, 2:58:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		47.5564	0.000000	0.000000	-	-
Standard 1		55980.0	1000.00	1000.00	0.000061	0.0

Curve Type: Linear Equation: y = 55.9 x + 47.6

Zn 202.548 Calibration (ug/L) **12/5/2011, 2:58:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		34.4483	0.000000	0.000000	-	-
Standard 1		52671.6	1000.00	1000.00	0.000000	0.0

Curve Type: Linear Equation: y = 52.6 x + 34.4

Zr 339.198 Calibration (ug/L) **12/5/2011, 2:58:52 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.13477	0.000000	0.000000	-	-
Standard 1		73106.0	1000.00	1000.000	-0.000061	0.0

Curve Type: Linear Equation: y = 73.1 x + 3.1

RB (PBLK) **12/5/2011, 1:56:57 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	23.7484	ug/L	10.1887	42.9	262.832	-
Al 237.312	1.62286	ug/L	0.397929	24.5	27.8853	-
As 188.980	5.29360	ug/L	0.346722	6.5	12.6394	-
B 249.678	0.769748	ug/L	0.076991	10.0	104.022	-
Ba 493.408	0.372796	ug/L	0.111894	30.0	1230.04	-
Be 313.042	0.126181	ug/L	0.058318	46.2	777.231	-
Ca 373.690	3.93569	ug/L	2.18244	55.5	125.635	-
Cd 214.439	0.178627	ug/L	0.087951	49.2	20.6140	-
Co 228.615	0.408193	ug/L	0.226644	55.5	35.8060	-
Cr 267.716	0.360326	ug/L	0.164801	45.7	79.7944	-
Cu 327.395	0.319454	ug/L	0.062169	19.5	242.902	-
Fe 273.955	5.18861	ug/L	0.063820	1.2	231.273	-
K 404.721	411.458	ug/L	77.3335	18.8	31.6978	-
Li 610.365	-0.192820uv	ug/L	0.085238	44.2	-41.3242	-
Mg 279.078	2.90686	ug/L	2.45174	84.3	61.0710	-
Mn 257.610	0.199241	ug/L	0.066323	33.3	162.160	-
Mo 202.032	0.194590	ug/L	0.254666	130.9	16.6958	-
Na 330.237	-23.1561uv	ug/L	25.0922	108.4	14.5234	-
Ni 216.555	0.262513	ug/L	0.212534	81.0	14.1107	-
Pb 220.353	-0.362776uv	ug/L	0.442153	121.9	16.3482	-
Sb 217.582	0.388718uv	ug/L	1.74227	448.2	10.7319	-
Se 196.026	4.11370	ug/L	5.80351	141.1	8.68349	-
Si 251.611	-1.41799uv	ug/L	1.07447	75.8	60.1987	-
Si 288.158	-0.597732uv	ug/L	0.638578	106.8	462.052	-
Sn 189.925	-0.422096uv	ug/L	0.450983	106.8	5.83078	-
Sr 421.552	0.196961	ug/L	0.087994	44.7	744.171	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ti 336.122	0.072827	ug/L	0.064715	88.9	91.9346	-
Tl 190.794	0.234139uv	ug/L	0.585409	250.0	5.48381	-
V 292.401	0.572273	ug/L	0.134971	23.6	79.5920	-
Zn 202.548	0.286666	ug/L	0.088093	30.7	50.4224	-
Zr 339.198	0.031301	ug/L	0.031351	100.2	5.42285	-

IPC (ICV) **12/5/2011, 3:04:05 PM** **Rack 0, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	996.398	ug/L	4.81885	0.5	11340.8	99.63979
Al 237.312	5209.54	ug/L	35.5028	0.7	24281.2	104.19085
As 188.980	1009.11	ug/L	2.32511	0.2	1873.72	100.91138
B 249.678	978.644	ug/L	14.8786	1.5	33032.9	97.86438
Ba 493.408	997.031	ug/L	6.37277	0.6	2557410	99.70311
Be 313.042	1017.16	ug/L	22.5342	2.2	4326245	101.71555
Ca 373.690	20445.0	ug/L	143.367	0.7	178541	102.22488
Cd 214.439	1011.02	ug/L	6.33595	0.6	71022.4	101.10177
Co 228.615	1005.98	ug/L	6.19569	0.6	14447.3	100.59766
Cr 267.716	1007.15	ug/L	7.93462	0.8	70656.6	100.71535
Cu 327.395	1002.85	ug/L	5.40589	0.5	73610.0	100.28533
Fe 273.955	5163.77	ug/L	43.0596	0.8	122447	103.27533
K 404.721	20000.1	ug/L	136.041	0.7	607.836	100.00073
Li 610.365	4984.08	ug/L	21.0102	0.4	642471	99.68156
Mg 279.078	20761.8	ug/L	132.240	0.6	164434	103.80909
Mn 257.610	1001.97	ug/L	6.91760	0.7	419149	100.19666
Mo 202.032	994.791	ug/L	24.9218	2.5	11946.4	99.47910
Na 330.237	20781.4	ug/L	78.5938	0.4	5946.38	103.90704
Ni 216.555	1002.91	ug/L	4.79425	0.5	14193.4	100.29079
Pb 220.353	1005.99	ug/L	7.17081	0.7	8490.28	100.59945
Sb 217.582	999.988	ug/L	9.98547	1.0	2374.48	99.99882
Se 196.026	1004.11	ug/L	5.77334	0.6	957.209	100.41115
Si 251.611	1012.46	ug/L	14.2501	1.4	7111.13	101.24559
Si 288.158	1006.56	ug/L	13.7652	1.4	16445.5	100.65596
Sn 189.925	1011.25	ug/L	7.88050	0.8	2919.38	101.12532
Sr 421.552	996.258	ug/L	6.90495	0.7	3084463	99.62583
Ti 336.122	1001.33	ug/L	8.29159	0.8	326566	100.13258
Tl 190.794	1003.17	ug/L	5.59384	0.6	1687.72	100.31734
V 292.401	999.380	ug/L	6.77246	0.7	56023.6	99.93796
Zn 202.548	1008.46	ug/L	6.80586	0.7	53569.4	100.84623
Zr 339.198	977.867	ug/L	7.04112	0.7	71487.5	97.78670

ICV (ICV) **12/5/2011, 3:07:03 PM** **Rack 0, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	993.030	ug/L	0.139660	0.0	11299.9	99.30297
Al 237.312	1001.04	ug/L	1.98960	0.2	4784.66	100.10393
As 188.980	998.732	ug/L	4.51778	0.5	1854.47	99.87321
B 249.678	956.097	ug/L	19.1906	2.0	32255.3	95.60967
Ba 493.408	997.090	ug/L	0.031419	0.0	2557561	99.70900
Be 313.042	1002.88	ug/L	12.9320	1.3	4265496	100.28848
Ca 373.690	9563.87	ug/L	19.6222	0.2	84807.1	95.63869

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Cd 214.439	1000.57	ug/L	1.64675	0.2	70280.2	100.05705
Co 228.615	995.700	ug/L	1.76147	0.2	14297.6	99.57001
Cr 267.716	995.003	ug/L	2.54350	0.3	69804.8	99.50025
Cu 327.395	987.032	ug/L	3.77524	0.4	72452.3	98.70322
Fe 273.955	1013.41	ug/L	3.23675	0.3	24725.8	101.34093
K 404.721	8892.49	ug/L	163.038	1.8	281.057	88.92487Q
Li 610.365	10215.7	ug/L	1.84096	0.0	1316862	102.15674
Mg 279.078	9632.45	ug/L	22.8788	0.2	77538.3	96.32453
Mn 257.610	1005.77	ug/L	2.77629	0.3	420530	100.57661
Mo 202.032	1017.27	ug/L	15.5542	1.5	12216.0	101.72738
Na 330.237	8937.71	ug/L	15.8443	0.2	2546.23	89.37711Q
Ni 216.555	1019.16	ug/L	4.03544	0.4	14411.7	101.91628
Pb 220.353	1004.12	ug/L	2.06668	0.2	8474.83	100.41231
Sb 217.582	963.244	ug/L	16.7305	1.7	2287.68	96.32444
Se 196.026	1005.90	ug/L	3.01427	0.3	958.952	100.58955
Si 251.611	580.892	ug/L	37.7054	6.5	4287.39	116.17842Q
Si 288.158	577.355	ug/L	36.3605	6.3	9791.95	115.47091Q
Sn 189.925	959.579	ug/L	4.88471	0.5	2770.39	95.95793
Sr 421.552	955.011	ug/L	0.912454	0.1	2955910	95.50107
Ti 336.122	1008.68	ug/L	2.28303	0.2	328962	100.86752
Tl 190.794	997.696	ug/L	0.031074	0.0	1678.44	99.76958
V 292.401	988.105	ug/L	2.28528	0.2	55374.0	98.81047
Zn 202.548	1010.44	ug/L	3.31845	0.3	53660.0	101.04424
Zr 339.198	1014.19	ug/L	21.2583	2.1	74143.2	101.41917

ICB (ICB) **12/5/2011, 3:10:00 PM** **Rack 0, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.135874uv	ug/L	0.292979	215.6	-2.11060	-0.13587
Al 237.312	-1.00623uv	ug/L	0.840163	83.5	15.3289	-1.00623
As 188.980	2.82783	ug/L	0.385914	13.6	8.06931	2.82783
B 249.678	24.6827	ug/L	4.30771	17.5	905.826	24.68274
Ba 493.408	0.064775	ug/L	0.036569	56.5	440.039	0.06477
Be 313.042	0.013296	ug/L	0.002870	21.6	296.928	0.01330
Ca 373.690	-2.06844uv	ug/L	0.302067	14.6	70.5002	-2.06844
Cd 214.439	0.014435uv	ug/L	0.029723	205.9	9.06851	0.01443
Co 228.615	0.321734	ug/L	0.372937	115.9	34.5823	0.32173
Cr 267.716	-0.007791uv	ug/L	0.061803	793.3	53.9893	-0.00779
Cu 327.395	-0.114542uv	ug/L	0.038938	34.0	211.152	-0.11454
Fe 273.955	-1.76648uv	ug/L	0.460083	26.0	61.5195	-1.76648
K 404.721	226.570uv	ug/L	427.279	188.6	26.3208	226.57048
Li 610.365	0.003362uv	ug/L	0.095694	2846.5	-16.0352	0.00336
Mg 279.078	0.069556uv	ug/L	0.981080	1410.5	37.9180	0.06956
Mn 257.610	-0.034802uv	ug/L	0.008132	23.4	64.3124	-0.03480
Mo 202.032	15.9661	ug/L	0.237009	1.5	205.866	15.96607
Na 330.237	-40.6280uv	ug/L	19.6225	48.3	9.53809	-40.62804
Ni 216.555	-0.152627uv	ug/L	0.066314	43.4	8.09131	-0.15263
Pb 220.353	-0.322025uv	ug/L	0.766877	238.1	16.6919	-0.32203
Sb 217.582	9.48399	ug/L	1.89040	19.9	32.2072	9.48399Z
Se 196.026	3.89795	ug/L	2.47503	63.5	8.47890	3.89795
Si 251.611	-2.03995uv	ug/L	1.73753	85.2	57.7101	-2.03995
Si 288.158	-0.675128uv	ug/L	0.759676	112.5	464.437	-0.67513
Sn 189.925	-0.557844uv	ug/L	0.171663	30.8	5.43983	-0.55784

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sr 421.552	0.021814	ug/L	0.006729	30.8	201.635	0.02181
Ti 336.122	0.633107	ug/L	0.188582	29.8	274.623	0.63311
Tl 190.794	-0.894225uv	ug/L	1.11296	124.5	3.59950	-0.89422
V 292.401	0.127857	ug/L	0.140693	110.0	54.7432	0.12786
Zn 202.548	-0.481836uv	ug/L	0.011189	2.3	9.76944	-0.48184
Zr 339.198	0.027009uv	ug/L	0.054471	201.7	5.10913	0.02701

CRI-RL (CRI) **12/5/2011, 3:12:58 PM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	3.13907	ug/L	0.572817	18.2	35.7861	62.78130R
Al 237.312	130.685	ug/L	0.536685	0.4	643.928	130.68500R
As 188.980	11.1905	ug/L	0.600702	5.4	23.5717	111.90513
B 249.678	17.7196	ug/L	0.412643	2.3	678.548	177.19586R
Ba 493.408	11.5930	ug/L	0.054440	0.5	30007.1	115.92999
Be 313.042	1.10303	ug/L	0.003401	0.3	4938.81	110.30350
Ca 373.690	448.591	ug/L	2.67621	0.6	4131.90	112.14763
Cd 214.439	1.11684	ug/L	0.014182	1.3	86.7311	111.68430
Co 228.615	11.2897	ug/L	0.280326	2.5	191.795	112.89728
Cr 267.716	5.38185	ug/L	0.054045	1.0	431.806	107.63709
Cu 327.395	15.3573	ug/L	0.022891	0.1	1343.27	153.57259R
Fe 273.955	109.845	ug/L	0.647645	0.6	2784.01	109.84542
K 404.721	4525.20	ug/L	259.512	5.7	151.549	113.13002
Li 610.365	97.3906	ug/L	0.506841	0.5	12537.9	97.39062
Mg 279.078	437.844	ug/L	3.37101	0.8	3606.49	109.46100
Mn 257.610	11.2264	ug/L	0.033355	0.3	4778.35	112.26373
Mo 202.032	14.3914	ug/L	0.584664	4.1	186.979	143.91373R
Na 330.237	2385.43	ug/L	21.3447	0.9	703.737	119.27156
Ni 216.555	12.3830	ug/L	0.230802	1.9	185.147	123.83006
Pb 220.353	5.21687	ug/L	0.409198	7.8	63.3251	104.33737
Sb 217.582	12.3657	ug/L	0.105538	0.9	39.0153	123.65717
Se 196.026	10.7744	ug/L	2.08424	19.3	15.0050	107.74414
Si 251.611	109.098	ug/L	0.967470	0.9	786.866	109.09757
Si 288.158	105.080	ug/L	1.40058	1.3	2100.97	105.07958
Sn 189.925	53.1916	ug/L	0.703055	1.3	160.223	106.38319
Sr 421.552	22.5742	ug/L	0.103372	0.5	70022.1	112.87086
Ti 336.122	10.8116	ug/L	0.222507	2.1	3593.47	108.11565
Tl 190.794	10.5178	ug/L	1.57494	15.0	22.7327	105.17773
V 292.401	10.3344	ug/L	0.105847	1.0	626.848	103.34351
Zn 202.548	56.5417	ug/L	0.204884	0.4	3018.36	113.08338
Zr 339.198	8.49503	ug/L	0.019284	0.2	624.134	84.95029

CRI-MCP (CRI) **12/5/2011, 3:15:54 PM** **Rack 1, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	2.89697	ug/L	0.748779	25.8	62.2502	41.38528R
Al 237.312	-1.16108uv	ug/L	0.916436	78.9	14.6177	-
As 188.980	49.5698	ug/L	0.647918	1.3	94.7682	99.13959
B 249.678	4.62139	ug/L	0.191947	4.2	235.209	-
Ba 493.408	2234.20	ug/L	3.80933	0.2	5730444	111.71000
Be 313.042	4.10217	ug/L	0.022845	0.6	17712.0	102.55431

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ca 373.690	6.81349	ug/L	0.107732	1.6	150.181	-
Cd 214.439	5.13736	ug/L	0.052593	1.0	368.751	102.74718
Co 228.615	0.749582	ug/L	0.566263	75.5	40.9377	-
Cr 267.716	104.997	ug/L	0.789129	0.8	7414.90	104.99722
Cu 327.395	0.051797uv	ug/L	0.091394	176.4	223.333	-
Fe 273.955	-2.03382uv	ug/L	0.214466	10.5	58.2949	-
K 404.721	-100.919uv	ug/L	205.675	203.8	20.8994	-
Li 610.365	0.211813	ug/L	0.004028	1.9	10.8359	-
Mg 279.078	-1.09044uv	ug/L	0.778395	71.4	28.4565	-
Mn 257.610	0.016883	ug/L	0.008858	52.5	85.8854	-
Mo 202.032	1.72195	ug/L	0.233674	13.6	35.0156	-
Na 330.237	37.0206uv	ug/L	4.87796	13.2	-5.53516	-
Ni 216.555	110.564	ug/L	0.665006	0.6	1567.55	110.56384
Pb 220.353	16.4643	ug/L	0.660702	4.0	158.046	109.76200
Sb 217.582	6.78325	ug/L	0.583840	8.6	25.8478	113.05423
Se 196.026	48.3501	ug/L	1.06771	2.2	50.6010	96.70026
Si 251.611	-2.24502uv	ug/L	0.840124	37.4	55.7823	-
Si 288.158	-1.29714uv	ug/L	1.18707	91.5	453.679	-
Sn 189.925	-1.09553uv	ug/L	0.897686	81.9	3.89149	-
Sr 421.552	-0.011734uv	ug/L	0.009564	81.5	98.7041	-
Ti 336.122	0.122679	ug/L	0.031519	25.7	108.190	-
Tl 190.794	1.27874	ug/L	0.123790	9.7	7.42090	63.93723R
V 292.401	49.8714	ug/L	0.267407	0.5	2837.01	99.74287
Zn 202.548	932.063	ug/L	10.3123	1.1	49096.3	103.56252
Zr 339.198	0.001323uv	ug/L	0.010806	816.8	3.23145	-

ICSA (ICSA) **12/5/2011, 3:18:51 PM** **Rack 4, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.016160	ug/L	0.045991	284.6	0.823486	-0.01616
Al 237.312	104691	ug/L	691.722	0.7	3938854	691.16406K
As 188.980	1.74763	ug/L	2.14556	122.8	6.06754	1.74763
B 249.678	2.24147	ug/L	0.943866	42.1	153.618	2.24147
Ba 493.408	0.814465	ug/L	0.037543	4.6	2362.80	0.81446
Be 313.042	-0.035822	ug/L	0.001184	3.3	550.538	-0.03582
Ca 373.690	91171.2	ug/L	664.995	0.7	7116011	171.16406K
Cd 214.439	-0.777478	ug/L	0.065692	8.4	115.934	-0.77748
Co 228.615	-1.01899	ug/L	0.472474	46.4	74.7735	-1.01899
Cr 267.716	0.280131	ug/L	0.187196	66.8	74.1726	0.28013
Cu 327.395	-0.029056uv	ug/L	0.070655	243.2	217.486	-0.02906
Fe 273.955	103590	ug/L	712.714	0.7	18939953	590.46875K
K 404.721	878.094	ug/L	67.1834	7.7	52.2661	878.09430
Li 610.365	1.79386	ug/L	0.082881	4.6	220.648	1.79386
Mg 279.078	96484.9	ug/L	658.333	0.7	6802046	484.90625K
Mn 257.610	-2.70263	ug/L	0.012471	0.5	565.003	-2.70263
Mo 202.032	0.723687	ug/L	0.125106	17.3	23.2301	0.72369
Na 330.237	75.2453	ug/L	0.800965	1.1	42.7104	75.24530
Ni 216.555	-5.23879	ug/L	0.059078	1.1	118.275	-5.23879
Pb 220.353	-2.48158uv	ug/L	0.377257	15.2	-7.50708	-2.48158
Sb 217.582	-1.04799uv	ug/L	1.32604	126.5	7.34387	-1.04799
Se 196.026	-2.39647uv	ug/L	3.04464	127.0	1.56897	-2.39647
Si 251.611	-4.24465uv	ug/L	1.07720	25.4	41.4420	-4.24465
Si 288.158	1.86905	ug/L	0.054253	2.9	499.514	1.86905

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sn 189.925	-0.375644	ug/L	0.054083	14.4	7.45927	-0.37564
Sr 421.552	-1.91912	ug/L	0.002065	0.1	1339.06	-1.91912
Ti 336.122	0.004327uv	ug/L	0.027751	641.3	69.5996	0.00433
Tl 190.794	-1.01114uv	ug/L	0.533616	52.8	3.74095	-1.01114
V 292.401	-2.21730	ug/L	0.076489	3.4	109.548	-2.21730
Zn 202.548	-0.757164	ug/L	1.14750	151.6	126.151	-0.75716
Zr 339.198	0.597562	ug/L	0.133274	22.3	44.5293	0.59756

ICSAB (ICSAB) **12/5/2011, 3:21:48 PM** **Rack 4, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	542.093	ug/L	1.60666	0.3	6164.38	90.34879
Al 237.312	113009	ug/L	481.236	0.4	424037	113.00882
As 188.980	1779.04	ug/L	2.40168	0.1	3300.32	88.95216
B 249.678	0.954206	ug/L	0.075405	7.9	155.960	-
Ba 493.408	521.246	ug/L	2.46616	0.5	1337141	86.87437
Be 313.042	179.347	ug/L	0.757063	0.4	763676	89.67349
Ca 373.690	99699.1	ug/L	371.325	0.4	765700	99.69905
Cd 214.439	519.037	ug/L	1.13265	0.2	36635.1	86.50617
Co 228.615	517.689	ug/L	2.29059	0.4	7494.44	86.28152
Cr 267.716	524.295	ug/L	2.32861	0.4	36807.9	87.38253
Cu 327.395	546.100	ug/L	1.28154	0.2	40183.3	91.01669
Fe 273.955	112093	ug/L	481.429	0.4	2042316	112.09337
K 404.721	38876.6	ug/L	105.019	0.3	1175.04	97.19154
Li 610.365	1.93083	ug/L	0.115364	6.0	238.750	-
Mg 279.078	104437	ug/L	482.015	0.5	726953	104.43684
Mn 257.610	342.005	ug/L	1.36581	0.4	144715	85.50134
Mo 202.032	0.302462	ug/L	0.359654	118.9	18.1920	-
Na 330.237	-9.89567uv	ug/L	7.37708	74.5	-2.58154	-
Ni 216.555	510.975	ug/L	1.20921	0.2	7524.36	85.16243
Pb 220.353	1710.51	ug/L	1.75068	0.1	14416.7	85.52548
Sb 217.582	943.310	ug/L	0.719623	0.1	2238.96	94.33096
Se 196.026	889.721	ug/L	9.76199	1.1	847.195	88.97206
Si 251.611	-29.8643uv	ug/L	0.453656	1.5	27.2135	-
Si 288.158	-24.2203	ug/L	0.064255	0.3	480.640	-
Sn 189.925	-0.833089uv	ug/L	0.349073	41.9	6.24477	-
Sr 421.552	-2.06781	ug/L	0.007546	0.4	1423.06	-
Ti 336.122	0.008527uv	ug/L	0.048607	570.0	71.1523	-
Tl 190.794	1702.63	ug/L	4.26422	0.3	2850.53	85.13144
V 292.401	522.105	ug/L	2.85721	0.5	29450.5	87.01754
Zn 202.548	514.470	ug/L	3.79492	0.7	27497.7	85.74502
Zr 339.198	2.90068	ug/L	0.241460	8.3	212.736	-

RB (PBLK) **12/5/2011, 3:24:44 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	-0.477941uv	ug/L	0.216566	45.3	-5.87280	-
Al 237.312	7.94779	ug/L	0.916434	11.5	58.0901	-
As 188.980	3.11694	ug/L	1.08899	34.9	8.60518	-
B 249.678	1.38839	ug/L	0.000350	0.0	124.732	-
Ba 493.408	0.104100	ug/L	0.014897	14.3	540.898	-

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Be 313.042	0.023957	ug/L	0.002183	9.1	342.301	-
Ca 373.690	2.93743	ug/L	0.275907	9.4	117.936	-
Cd 214.439	0.037779	ug/L	0.040418	107.0	10.7366	-
Co 228.615	0.497299	ug/L	0.002977	0.6	37.0864	-
Cr 267.716	0.089506	ug/L	0.027301	30.5	60.8098	-
Cu 327.395	0.029466uv	ug/L	0.099285	337.0	221.691	-
Fe 273.955	12.1670	ug/L	1.16119	9.5	401.561	-
K 404.721	237.858	ug/L	11.4460	4.8	26.6494	-
Li 610.365	0.065632uv	ug/L	0.162504	247.6	-8.00781	-
Mg 279.078	3.68590	ug/L	1.16794	31.7	67.4365	-
Mn 257.610	0.067058	ug/L	0.016456	24.5	106.941	-
Mo 202.032	0.130682	ug/L	0.163639	125.2	15.9293	-
Na 330.237	-7.48062uv	ug/L	11.9905	160.3	19.0308	-
Ni 216.555	0.458537	ug/L	0.187276	40.8	16.7411	-
Pb 220.353	-0.577561uv	ug/L	0.200099	34.6	14.5390	-
Sb 217.582	1.57858	ug/L	0.100420	6.4	13.5410	-
Se 196.026	3.68899	ug/L	3.56314	96.6	8.28082	-
Si 251.611	-1.94543uv	ug/L	1.54506	79.4	56.8521	-
Si 288.158	0.244367uv	ug/L	0.530072	216.9	475.301	-
Sn 189.925	-0.034401uv	ug/L	0.392613	1141.3	6.94719	-
Sr 421.552	0.021368	ug/L	0.008160	38.2	200.792	-
Ti 336.122	0.106634	ug/L	0.107105	100.4	102.958	-
Tl 190.794	-0.078964uv	ug/L	0.718215	909.5	4.96066	-
V 292.401	0.144830	ug/L	0.159064	109.8	55.6899	-
Zn 202.548	0.113830	ug/L	0.029129	25.6	41.2122	-
Zr 339.198	0.048872	ug/L	0.018311	37.5	6.70728	-

CCV (CCV) **12/5/2011, 3:27:40 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1000.17	ug/L	3.96116	0.4	11382.0	100.01743
Al 237.312	5219.27	ug/L	27.8009	0.5	24325.4	104.38537
As 188.980	1014.72	ug/L	5.63092	0.6	1884.11	101.47184
B 249.678	980.499	ug/L	17.9165	1.8	33095.2	98.04994
Ba 493.408	998.043	ug/L	5.79626	0.6	2560005	99.80430
Be 313.042	1010.18	ug/L	10.7505	1.1	4296577	101.01784
Ca 373.690	20475.4	ug/L	105.514	0.5	178797	102.37695
Cd 214.439	1012.43	ug/L	3.42841	0.3	71122.0	101.24347
Co 228.615	1006.07	ug/L	5.07163	0.5	14448.7	100.60674
Cr 267.716	1005.19	ug/L	3.28996	0.3	70519.0	100.51914
Cu 327.395	1004.19	ug/L	3.63946	0.4	73707.6	100.41879
Fe 273.955	5169.97	ug/L	31.1603	0.6	122590	103.39931
K 404.721	19978.4	ug/L	427.251	2.1	607.197	99.89185
Li 610.365	4985.43	ug/L	25.4862	0.5	642645	99.70853
Mg 279.078	20785.2	ug/L	93.4734	0.4	164614	103.92624
Mn 257.610	1003.96	ug/L	4.92204	0.5	419983	100.39606
Mo 202.032	1000.62	ug/L	21.2120	2.1	12016.3	100.06178
Na 330.237	20755.3	ug/L	103.776	0.5	5938.96	103.77660
Ni 216.555	1009.12	ug/L	4.52326	0.4	14281.2	100.91248
Pb 220.353	1006.96	ug/L	2.86874	0.3	8498.44	100.69645
Sb 217.582	1003.35	ug/L	2.41898	0.2	2382.43	100.33520
Se 196.026	1014.99	ug/L	12.4318	1.2	967.523	101.49940
Si 251.611	1012.22	ug/L	12.1738	1.2	7110.25	101.22237

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Si 288.158	1007.38	ug/L	13.5139	1.3	16458.6	100.73797
Sn 189.925	1012.90	ug/L	5.31556	0.5	2924.12	101.28998
Sr 421.552	999.537	ug/L	4.84107	0.5	3094614	99.95373
Ti 336.122	1003.09	ug/L	4.88363	0.5	327141	100.30879
Tl 190.794	1004.76	ug/L	3.54969	0.4	1690.37	100.47598
V 292.401	1001.76	ug/L	4.24709	0.4	56156.8	100.17582
Zn 202.548	1009.94	ug/L	5.84908	0.6	53647.4	100.99373
Zr 339.198	966.369	ug/L	26.2073	2.7	70646.9	96.63695

CCB (CCB) **12/5/2011, 3:30:37 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.121024uv	ug/L	0.386424	319.3	-1.93799	-0.12102
Al 237.312	0.042136uv	ug/L	1.60254	3803.2	20.3369	0.04214
As 188.980	2.32756	ug/L	0.240369	10.3	7.14215	2.32756
B 249.678	17.7625	ug/L	2.41420	13.6	673.806	17.76254
Ba 493.408	0.095923	ug/L	0.037399	39.0	519.926	0.09592
Be 313.042	0.030878	ug/L	0.013304	43.1	371.635	0.03088
Ca 373.690	-0.100725uv	ug/L	1.05237	1044.8	88.7036	-0.10072
Cd 214.439	0.059715	ug/L	0.014630	24.5	12.2546	0.05972
Co 228.615	0.575588	ug/L	0.044219	7.7	38.2135	0.57559
Cr 267.716	0.009195uv	ug/L	0.059690	649.2	55.1799	0.00919
Cu 327.395	0.193039	ug/L	0.034086	17.7	233.659	0.19304
Fe 273.955	1.25544	ug/L	0.155037	12.3	135.273	1.25544
K 404.721	-180.219uv	ug/L	9.95167	5.5	14.4927	-180.21904
Li 610.365	0.058539	ug/L	0.056568	96.6	-8.92188	0.05854
Mg 279.078	1.02773	ug/L	0.059053	5.7	45.7380	1.02773
Mn 257.610	0.025730	ug/L	0.009295	36.1	89.6199	0.02573
Mo 202.032	14.5463	ug/L	0.024083	0.2	188.837	14.54633
Na 330.237	-44.6176uv	ug/L	11.4204	25.6	8.37598	-44.61758
Ni 216.555	0.400045	ug/L	0.344811	86.2	15.8152	0.40004
Pb 220.353	0.055146uv	ug/L	0.222322	403.2	19.8677	0.05515
Sb 217.582	2.11158	ug/L	0.680019	32.2	14.7996	2.11158
Se 196.026	2.76116	ug/L	1.95927	71.0	7.40172	2.76116
Si 251.611	-1.22281uv	ug/L	2.06091	168.5	61.8469	-1.22281
Si 288.158	-0.023998uv	ug/L	0.400333	1668.2	471.503	-0.02400
Sn 189.925	0.392751uv	ug/L	0.611682	155.7	8.17715	0.39275
Sr 421.552	0.048754	ug/L	0.030212	62.0	285.222	0.04875
Ti 336.122	0.612885	ug/L	0.027957	4.6	268.029	0.61289
Tl 190.794	-1.56640uv	ug/L	0.592200	37.8	2.47906	-1.56640
V 292.401	0.006533uv	ug/L	0.036105	552.7	47.9626	0.00653
Zn 202.548	-0.054421uv	ug/L	0.074959	137.7	32.4133	-0.05442
Zr 339.198	0.704762	ug/L	0.065546	9.3	54.6548	0.70476

ICV K Na Ca Mg 75ppm (Samp) **12/5/2011, 3:33:33 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.115488uv	ug/L	0.329877	285.6	-1.84766
Al 237.312	2.91585	ug/L	0.816617	28.0	34.0608
As 188.980	0.940143	ug/L	0.462447	49.2	4.57091
B 249.678	5.59023	ug/L	0.584480	10.5	265.705

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ba 493.408	0.099860	ug/L	0.015413	15.4	530.023
Be 313.042	0.067910	ug/L	0.004128	6.1	529.550
Ca 373.690	24.7446	ug/L	1.26177	5.1	311.198
Cd 214.439	0.068599	ug/L	0.019272	28.1	12.8740
Co 228.615	0.531975	ug/L	0.177757	33.4	37.5720
Cr 267.716	0.122393	ug/L	0.060650	49.6	63.1152
Cu 327.395	-0.107846uv	ug/L	0.143094	132.7	211.647
Fe 273.955	-1.26793uv	ug/L	0.254204	20.0	73.6912
K 404.721	76575.4	ug/L	248.741	0.3	2309.21
Li 610.365	-0.054345uv	ug/L	0.072981	134.3	-23.4727
Mg 279.078	16.2409	ug/L	1.92118	11.8	169.813
Mn 257.610	0.108049	ug/L	0.022286	20.6	124.312
Mo 202.032	3.19278	ug/L	0.495785	15.5	52.6575
Na 330.237	79377.5	ug/L	254.343	0.3	22809.5
Ni 216.555	0.096961	ug/L	0.061013	62.9	11.4362
Pb 220.353	0.219199uv	ug/L	0.421806	192.4	21.2494
Sb 217.582	-0.722791uv	ug/L	0.765415	105.9	8.10706
Se 196.026	0.879243	ug/L	0.612409	69.7	5.61856
Si 251.611	-0.406148uv	ug/L	0.417545	102.8	66.5894
Si 288.158	1.72888	ug/L	0.579793	33.5	497.436
Sn 189.925	-0.437631uv	ug/L	0.642946	146.9	5.78629
Sr 421.552	0.051991	ug/L	0.008107	15.6	297.412
Ti 336.122	0.139325	ug/L	0.098256	70.5	113.617
Tl 190.794	-0.862440uv	ug/L	0.219692	25.5	3.65527
V 292.401	0.666767	ug/L	0.078927	11.8	84.9063
Zn 202.548	0.047951	ug/L	0.018935	39.5	37.6588
Zr 339.198	0.008206uv	ug/L	0.067421	821.6	3.73413

ICV Sb 1 ppm (Samp) **12/5/2011, 3:36:29 PM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.700753	ug/L	0.156998	22.4	7.15723
Al 237.312	-1.46546uv	ug/L	0.041932	2.9	13.1367
As 188.980	0.324943uv	ug/L	1.03777	319.4	3.43063
B 249.678	3.15274	ug/L	0.354928	11.3	183.972
Ba 493.408	0.099144	ug/L	0.006143	6.2	528.367
Be 313.042	-0.017797uv	ug/L	0.001119	6.3	164.643
Ca 373.690	0.085440uv	ug/L	0.180140	210.8	89.8579
Cd 214.439	-0.028579uv	ug/L	0.026670	93.3	6.08347
Co 228.615	0.484315	ug/L	0.085798	17.7	36.8914
Cr 267.716	-0.043036uv	ug/L	0.037078	86.2	51.5186
Cu 327.395	-0.139701uv	ug/L	0.193407	138.4	209.316
Fe 273.955	-1.60930uv	ug/L	0.163396	10.2	65.3452
K 404.721	229.310uv	ug/L	385.983	168.3	26.4004
Li 610.365	0.077225uv	ug/L	0.121921	157.9	-6.57422
Mg 279.078	1.12942	ug/L	0.196462	17.4	46.5627
Mn 257.610	0.713775	ug/L	0.006740	0.9	377.666
Mo 202.032	1.80310	ug/L	0.467655	25.9	35.9890
Na 330.237	-20.7986uv	ug/L	22.1818	106.7	15.2188
Ni 216.555	0.171841	ug/L	0.247718	144.2	12.4539
Pb 220.353	0.052300uv	ug/L	0.541818	1036.0	19.8440
Sb 217.582	1052.03	ug/L	7.11371	0.7	2493.88
Se 196.026	-0.056962uv	ug/L	1.84385	3237.0	4.73204

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Si 251.611	-26.1148uv	ug/L	2.91269	11.2	69.1193
Si 288.158	-26.4060	ug/L	1.83136	6.9	490.466
Sn 189.925	-1.22201uv	ug/L	0.113293	9.3	3.52734
Sr 421.552	-0.017090uv	ug/L	0.004553	26.6	81.1836
Ti 336.122	0.162482	ug/L	0.074393	45.8	121.168
Tl 190.794	0.084255uv	ug/L	0.173823	206.3	5.23239
V 292.401	-0.009874uv	ug/L	0.104261	1055.9	47.0234
Zn 202.548	-0.173041uv	ug/L	0.018482	10.7	26.0158
Zr 339.198	24.1624	ug/L	0.904635	3.7	1769.48

ICB Sb (Samp) **12/5/2011, 3:43:21 PM** **Rack 1, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.023693uv	ug/L	0.166994	704.8	-0.891357
Al 237.312	-1.98680uv	ug/L	1.55214	78.1	10.6453
As 188.980	1.88779	ug/L	1.53080	81.1	6.32706
B 249.678	1.26051	ug/L	0.256200	20.3	120.411
Ba 493.408	-0.025044uv	ug/L	0.008825	35.2	209.676
Be 313.042	-0.011947uv	ug/L	0.000576	4.8	189.457
Ca 373.690	-2.08715uv	ug/L	0.041668	2.0	70.2708
Cd 214.439	-0.017715uv	ug/L	0.000745	4.2	6.80966
Co 228.615	0.230821	ug/L	0.004880	2.1	33.2620
Cr 267.716	-0.098223uv	ug/L	0.009319	9.5	47.6499
Cu 327.395	-0.105454uv	ug/L	0.072430	68.7	211.814
Fe 273.955	-2.11088uv	ug/L	0.263442	12.5	53.1113
K 404.721	175.592	ug/L	149.208	85.0	24.8374
Li 610.365	0.140180	ug/L	0.111593	79.6	1.60156
Mg 279.078	-1.31436uv	ug/L	1.01588	77.3	26.6299
Mn 257.610	-0.082146uv	ug/L	0.008147	9.9	44.4976
Mo 202.032	0.535607	ug/L	0.164470	30.7	20.7861
Na 330.237	-39.3185uv	ug/L	11.0572	28.1	9.91553
Ni 216.555	0.035438uv	ug/L	0.423133	1194.0	10.6472
Pb 220.353	-0.601191uv	ug/L	0.231752	38.5	14.3411
Sb 217.582	0.133771	ug/L	0.014403	10.8	10.1293
Se 196.026	2.46039	ug/L	1.76545	71.8	7.11664
Si 251.611	-2.34863uv	ug/L	0.632732	26.9	53.9755
Si 288.158	-1.08792uv	ug/L	0.747843	68.7	454.164
Sn 189.925	-0.871545uv	ug/L	0.176923	20.3	4.53648
Sr 421.552	-0.023215uv	ug/L	0.000749	3.2	62.3584
Ti 336.122	-0.007610uv	ug/L	0.034825	457.6	65.7070
Tl 190.794	-0.364484uv	ug/L	0.100895	27.7	4.48203
V 292.401	-0.095255uv	ug/L	0.236047	247.8	42.2366
Zn 202.548	-0.514447uv	ug/L	0.034301	6.7	8.05890
Zr 339.198	0.024938uv	ug/L	0.045459	182.3	4.95776

CRI-RL Ag B Cu Mo (Samp) **12/5/2011, 3:46:18 PM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	3.57589	ug/L	0.039545	1.1	40.5967
Al 237.312	131.922	ug/L	1.16785	0.9	649.828
As 188.980	10.9368	ug/L	1.19047	10.9	23.1014

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
B 249.678	10.6619	ug/L	0.060063	0.6	441.890
Ba 493.408	11.6382	ug/L	0.019187	0.2	30123.1
Be 313.042	1.11447	ug/L	0.003385	0.3	4987.57
Ca 373.690	453.155	ug/L	1.04169	0.2	4172.88
Cd 214.439	1.10147	ug/L	0.078757	7.2	85.6527
Co 228.615	11.1704	ug/L	0.214614	1.9	190.090
Cr 267.716	5.26245	ug/L	0.011634	0.2	423.436
Cu 327.395	15.4157	ug/L	0.114068	0.7	1347.54
Fe 273.955	110.300	ug/L	0.337714	0.3	2795.08
K 404.721	4238.54	ug/L	193.462	4.6	143.188
Li 610.365	98.0206	ug/L	0.398934	0.4	12619.2
Mg 279.078	440.241	ug/L	0.727564	0.2	3626.01
Mn 257.610	11.2495	ug/L	0.032959	0.3	4788.04
Mo 202.032	10.8907	ug/L	0.248045	2.3	144.991
Na 330.237	2380.65	ug/L	9.04410	0.4	702.342
Ni 216.555	12.4431	ug/L	0.200999	1.6	185.983
Pb 220.353	4.88773	ug/L	0.432415	8.8	60.5534
Sb 217.582	9.45665	ug/L	1.82248	19.3	32.1464
Se 196.026	10.0223	ug/L	3.18807	31.8	14.2923
Si 251.611	109.641	ug/L	1.78182	1.6	789.929
Si 288.158	105.797	ug/L	2.09452	2.0	2110.86
Sn 189.925	52.6288	ug/L	0.017544	0.0	158.602
Sr 421.552	22.6712	ug/L	0.042011	0.2	70322.7
Ti 336.122	10.8104	ug/L	0.041890	0.4	3593.09
Tl 190.794	9.70309	ug/L	0.009274	0.1	21.3733
V 292.401	10.5186	ug/L	0.052655	0.5	637.159
Zn 202.548	57.0099	ug/L	0.105770	0.2	3043.04
Zr 339.198	10.1619	ug/L	0.143788	1.4	745.988

CRI-MCP Ag Tl (Samp) **12/5/2011, 3:49:13 PM** **Rack 1, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1.84697	ug/L	0.258291	14.0	50.7390
Al 237.312	0.712162	ug/L	0.119508	16.8	23.5632
As 188.980	51.3793	ug/L	0.451758	0.9	98.1221
B 249.678	1.10389	ug/L	0.400709	36.3	117.286
Ba 493.408	2257.18	ug/L	13.4388	0.6	5789389
Be 313.042	4.13708	ug/L	0.026017	0.6	17860.7
Ca 373.690	6.03796	ug/L	1.90085	31.5	143.214
Cd 214.439	5.13770	ug/L	0.036186	0.7	368.773
Co 228.615	0.629354	ug/L	0.203013	32.3	39.2189
Cr 267.716	105.434	ug/L	0.494929	0.5	7445.54
Cu 327.395	0.072878	ug/L	0.022844	31.3	224.872
Fe 273.955	-2.07955uv	ug/L	0.319746	15.4	57.1929
K 404.721	302.006	ug/L	103.758	34.4	32.6582
Li 610.365	0.124724	ug/L	0.061625	49.4	-0.390625
Mg 279.078	-1.12183uv	ug/L	0.292554	26.1	28.2004
Mn 257.610	0.022136	ug/L	0.011689	52.8	88.0803
Mo 202.032	0.259166	ug/L	0.213326	82.3	17.4704
Na 330.237	47.6358uv	ug/L	18.2322	38.3	-3.27344
Ni 216.555	111.155	ug/L	0.029644	0.0	1576.00
Pb 220.353	16.6140	ug/L	0.996774	6.0	159.307
Sb 217.582	7.27565	ug/L	0.062438	0.9	27.0105

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Se 196.026	50.5328	ug/L	2.82161	5.6	52.6693
Si 251.611	-1.90639uv	ug/L	1.08684	57.0	58.0535
Si 288.158	-1.10946uv	ug/L	1.43739	129.6	456.766
Sn 189.925	-0.415956uv	ug/L	0.552989	132.9	5.84839
Sr 421.552	-0.010697uv	ug/L	0.000802	7.5	101.835
Ti 336.122	0.070707uv	ug/L	0.148111	209.5	91.2437
Tl 190.794	0.688913uv	ug/L	2.37005	344.0	6.43791
V 292.401	50.3612	ug/L	0.228232	0.5	2864.40
Zn 202.548	949.730	ug/L	11.5573	1.2	50026.3
Zr 339.198	0.078036	ug/L	0.002362	3.0	8.83936

CRI-RL Cu (Samp) **12/5/2011, 3:53:20 PM** **Rack 1, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	2.22295	ug/L	0.152919	6.9	25.5042
Al 237.312	102.601	ug/L	1.37674	1.3	509.949
As 188.980	9.24933	ug/L	0.396963	4.3	19.9738
B 249.678	9.24385	ug/L	0.079925	0.9	393.962
Ba 493.408	10.5536	ug/L	0.061880	0.6	27341.3
Be 313.042	0.953281	ug/L	0.008347	0.9	4301.28
Ca 373.690	390.700	ug/L	1.67657	0.4	3610.66
Cd 214.439	0.968937	ug/L	0.035334	3.6	76.3142
Co 228.615	10.2957	ug/L	0.110475	1.1	177.535
Cr 267.716	4.97802	ug/L	0.008220	0.2	403.497
Cu 327.395	10.2780	ug/L	0.121440	1.2	971.683
Fe 273.955	96.3787	ug/L	0.786944	0.8	2455.71
K 404.721	3757.13	ug/L	256.154	6.8	129.147
Li 610.365	88.9248	ug/L	0.615223	0.7	11446.6
Mg 279.078	399.332	ug/L	4.89299	1.2	3292.73
Mn 257.610	9.94138	ug/L	0.062808	0.6	4240.66
Mo 202.032	9.33633	ug/L	0.405114	4.3	126.347
Na 330.237	2124.82	ug/L	55.8176	2.6	629.236
Ni 216.555	9.92397	ug/L	0.002930	0.0	150.406
Pb 220.353	4.84773	ug/L	0.639002	13.2	60.2177
Sb 217.582	7.87568	ug/L	3.42207	43.5	28.4129
Se 196.026	8.94990	ug/L	1.50877	16.9	13.2750
Si 251.611	102.658	ug/L	0.883225	0.9	743.793
Si 288.158	97.5278	ug/L	2.19829	2.3	1982.43
Sn 189.925	47.4505	ug/L	0.977472	2.1	143.690
Sr 421.552	20.7231	ug/L	0.149213	0.7	64289.5
Ti 336.122	9.67035	ug/L	0.169979	1.8	3221.36
Tl 190.794	9.16483	ug/L	0.112666	1.2	20.4672
V 292.401	9.47551	ug/L	0.002253	0.0	578.661
Zn 202.548	48.7359	ug/L	0.574781	1.2	2605.23
Zr 339.198	8.86685	ug/L	0.142551	1.6	651.316

ICSA (ICSA) **12/5/2011, 1:10:13 PM** **Rack 1, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.101297uv	ug/L	0.237179	234.1	-0.102295	0.19077
Al 237.312	105467	ug/L	445.643	0.4	396696869	0.16406K

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	-0.023229uv	ug/L	0.604509	2602.4	2.78561	0.35791
B 249.678	-0.537993uv	ug/L	0.254481	47.3	60.5728	-0.11720
Ba 493.408	0.632347	ug/L	0.015629	2.5	1895.72	0.65223
Be 313.042	-0.043816	ug/L	0.000102	0.2	517.463	-0.01739
Ca 373.690	91706.4	ug/L	289.201	0.3	7150267	53.90625K
Cd 214.439	-0.847519	ug/L	0.009912	1.2	111.291	-0.77682
Co 228.615	-1.01149	ug/L	0.507779	50.2	74.9761	-1.08686
Cr 267.716	0.333702	ug/L	0.051031	15.3	77.9280	0.33477
Cu 327.395	-0.637843uv	ug/L	0.065256	10.2	172.952	-0.48565
Fe 273.955	103813	ug/L	480.672	0.5	18978770	265.99219K
K 404.721	973.314	ug/L	14.8548	1.5	55.0479	895.73816
Li 610.365	1.72458	ug/L	0.025927	1.5	211.715	1.52397
Mg 279.078	96421.8	ug/L	445.875	0.5	6798303	87.14844K
Mn 257.610	-2.79681	ug/L	0.003397	0.1	524.943	-2.73684
Mo 202.032	-0.075534uv	ug/L	0.144892	191.8	13.6451	-1.13729
Na 330.237	111.932	ug/L	24.5895	22.0	53.2593	144.71132
Ni 216.555	-5.30581	ug/L	0.641128	12.1	117.500	-5.14136
Pb 220.353	-1.93258uv	ug/L	0.324816	16.8	-2.89380	-1.47985
Sb 217.582	0.956534	ug/L	0.362638	37.9	12.0765	1.98191
Se 196.026	-3.21260uv	ug/L	0.260067	8.1	0.794006	-2.35353
Si 251.611	-1.64303uv	ug/L	3.98608	242.6	58.6832	-0.27069
Si 288.158	2.90865	ug/L	4.04232	139.0	516.226	2.42616
Sn 189.925	0.054728	ug/L	0.719429	1314.6	8.69791	0.03332
Sr 421.552	-1.94770	ug/L	0.003313	0.2	1298.18	-1.91872
Ti 336.122	-0.022885uv	ug/L	0.045600	199.3	60.7266	-0.04795
Tl 190.794	-1.00728uv	ug/L	2.36788	235.1	3.74928	0.43297
V 292.401	-2.67870	ug/L	0.001667	0.1	84.6641	-2.66393
Zn 202.548	-0.993374	ug/L	0.489282	49.3	113.661	-0.86722
Zr 339.198	0.687700	ug/L	0.002456	0.4	51.1196	0.69457

ICSAB (ICSAB) **12/5/2011, 1:23:14 PM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	551.074	ug/L	2.14467	0.4	6265.84	93.56778
Al 237.312	115032	ug/L	703.455	0.6	431370	129.57648G
As 188.980	1778.26	ug/L	15.0216	0.8	3298.86	92.17738
B 249.678	-0.883936	ug/L	0.300241	34.0	94.9023	-
Ba 493.408	532.349	ug/L	2.17173	0.4	1365618	89.96392
Be 313.042	182.803	ug/L	0.515160	0.3	778383	90.25524
Ca 373.690	101501	ug/L	451.239	0.4	776917	108.89372
Cd 214.439	522.098	ug/L	2.56102	0.5	36851.8	89.39068
Co 228.615	522.759	ug/L	2.32201	0.4	7567.55	89.19041
Cr 267.716	530.276	ug/L	2.95410	0.6	37227.2	90.27604
Cu 327.395	557.850	ug/L	1.46298	0.3	41042.9	94.62115
Fe 273.955	113305	ug/L	491.246	0.4	2063457	120.37966G
K 404.721	39307.6	ug/L	1112.52	2.8	1188.04	104.17434
Li 610.365	1.88562	ug/L	0.095051	5.0	232.977	-
Mg 279.078	105466	ug/L	390.262	0.4	732983	113.11323
Mn 257.610	347.745	ug/L	1.39531	0.4	147129	88.33127
Mo 202.032	-0.178232uv	ug/L	0.233653	131.1	12.4297	-
Na 330.237	-22.4145uv	ug/L	3.44922	15.4	-6.69043	-
Ni 216.555	514.834	ug/L	2.15934	0.4	7581.07	88.12167
Pb 220.353	1729.72	ug/L	7.21634	0.4	14578.4	88.65901

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Sb 217.582	963.157	ug/L	5.14625	0.5	2285.84	98.03548
Se 196.026	900.386	ug/L	7.31491	0.8	857.298	92.60713
Si 251.611	-28.7026uv	ug/L	2.56298	8.9	37.6818	-
Si 288.158	-24.2236	ug/L	1.14056	4.7	487.867	-
Sn 189.925	-1.55940uv	ug/L	0.020428	1.3	4.16721	-
Sr 421.552	-2.10289	ug/L	0.006922	0.3	1439.46	-
Ti 336.122	-0.061764uv	ug/L	0.004939	8.0	48.2363	-
Tl 190.794	1726.10	ug/L	5.90510	0.3	2889.75	88.51511
V 292.401	531.510	ug/L	1.81567	0.3	29979.4	90.56429
Zn 202.548	526.500	ug/L	4.55105	0.9	28138.1	89.87397
Zr 339.198	8.94015	ug/L	1.00657	11.3	654.218	-

MB 360-84282/1-A (Samp) **12/5/2011, 3:57:49 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.369773uv	ug/L	0.064269	17.4	-4.62939
Al 237.312	1.72532	ug/L	1.44401	83.7	28.3748
As 188.980	-0.110174uv	ug/L	0.552090	501.1	2.62442
B 249.678	0.702422	ug/L	0.167656	23.9	102.349
Ba 493.408	-0.010296uv	ug/L	0.012730	123.6	247.500
Be 313.042	-0.023484uv	ug/L	0.000080	0.3	140.421
Ca 373.690	3.19448	ug/L	0.115349	3.6	122.605
Cd 214.439	-0.013774uv	ug/L	0.026106	189.5	7.14261
Co 228.615	0.492463	ug/L	0.246966	50.1	37.0266
Cr 267.716	0.245681	ug/L	0.058325	23.7	71.7578
Cu 327.395	0.108999	ug/L	0.049775	45.7	227.509
Fe 273.955	25.2800	ug/L	0.566277	2.2	721.533
K 404.721	260.943uv	ug/L	453.009	173.6	27.3228
Li 610.365	0.142298	ug/L	0.195160	137.1	1.87500
Mg 279.078	2.09259	ug/L	0.205225	9.8	54.4629
Mn 257.610	0.268693	ug/L	0.011330	4.2	191.164
Mo 202.032	0.281605	ug/L	0.148980	52.9	17.7395
Na 330.237	-29.2120uv	ug/L	0.625380	2.1	12.7607
Ni 216.555	-0.155979uv	ug/L	0.094059	60.3	7.87372
Pb 220.353	-0.348841uv	ug/L	0.168948	48.4	16.4640
Sb 217.582	-0.720943uv	ug/L	0.394040	54.7	8.11115
Se 196.026	1.40714	ug/L	0.239958	17.1	6.11864
Si 251.611	11.0922	ug/L	2.44108	22.0	141.713
Si 288.158	11.3854	ug/L	2.73270	24.0	646.798
Sn 189.925	-0.875255uv	ug/L	0.651527	74.4	4.52586
Sr 421.552	-0.027345uv	ug/L	0.006019	22.0	50.1445
Ti 336.122	0.134255	ug/L	0.003594	2.7	111.964
Tl 190.794	-0.295808uv	ug/L	0.142973	48.3	4.59828
V 292.401	-0.091534uv	ug/L	0.022074	24.1	42.4824
Zn 202.548	0.883911	ug/L	0.045006	5.1	81.7760
Zr 339.198	0.728905	ug/L	0.072891	10.0	56.4197

LCS 360-84282/2-A (Samp) **12/5/2011, 4:00:44 PM** **Rack 1, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1005.92	ug/L	6.96982	0.7	11447.3
Al 237.312	5194.72	ug/L	38.7621	0.7	24214.0
As 188.980	1015.68	ug/L	4.99407	0.5	1885.90
B 249.678	942.839	ug/L	20.8284	2.2	31833.7
Ba 493.408	1007.79	ug/L	7.76907	0.8	2585014
Be 313.042	992.468	ug/L	0.879568	0.1	4221274
Ca 373.690	20655.4	ug/L	179.362	0.9	180327
Cd 214.439	1014.66	ug/L	5.57770	0.5	71278.7
Co 228.615	1013.52	ug/L	7.01078	0.7	14555.6
Cr 267.716	1010.33	ug/L	1.13942	0.1	70879.4
Cu 327.395	1015.55	ug/L	7.44650	0.7	74538.7
Fe 273.955	5287.91	ug/L	45.1129	0.9	125297
K 404.721	19648.5	ug/L	285.588	1.5	597.493
Li 610.365	4923.14	ug/L	52.7609	1.1	634616
Mg 279.078	20685.7	ug/L	130.157	0.6	163850
Mn 257.610	1010.87	ug/L	7.64974	0.8	422869
Mo 202.032	1038.56	ug/L	19.0154	1.8	12471.3
Na 330.237	20243.1	ug/L	121.961	0.6	5791.67
Ni 216.555	1015.79	ug/L	9.75548	1.0	14375.3
Pb 220.353	1010.53	ug/L	4.58061	0.5	8528.49
Sb 217.582	999.988	ug/L	2.38549	0.2	2374.49
Se 196.026	1021.23	ug/L	3.32708	0.3	973.441
Si 251.611	1027.58	ug/L	21.6064	2.1	7213.58
Si 288.158	1020.18	ug/L	19.9841	2.0	16655.6
Sn 189.925	1013.93	ug/L	5.10671	0.5	2927.09
Sr 421.552	1006.70	ug/L	6.35684	0.6	3116795
Ti 336.122	1015.99	ug/L	7.43839	0.7	331347
Tl 190.794	979.461	ug/L	13.0419	1.3	1648.25
V 292.401	1015.52	ug/L	9.50697	0.9	56927.5
Zn 202.548	1013.74	ug/L	8.68200	0.9	53853.1
Zr 339.198	1027.89	ug/L	9.25117	0.9	75144.0

CCV (CCV) **12/5/2011, 4:03:39 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	995.751	ug/L	5.35742	0.5	11331.8	99.57506
Al 237.312	5182.13	ug/L	45.6294	0.9	24156.8	103.64256
As 188.980	1005.33	ug/L	7.70670	0.8	1866.70	100.53268
B 249.678	980.666	ug/L	15.9005	1.6	33100.1	98.06659
Ba 493.408	992.798	ug/L	5.87588	0.6	2546553	99.27979
Be 313.042	999.400	ug/L	30.0895	3.0	4250741	99.94001
Ca 373.690	20415.1	ug/L	169.428	0.8	178286	102.07543
Cd 214.439	1008.21	ug/L	7.14103	0.7	70825.5	100.82137
Co 228.615	1003.23	ug/L	7.19938	0.7	14408.0	100.32286
Cr 267.716	1000.69	ug/L	8.73197	0.9	70203.5	100.06902
Cu 327.395	996.809	ug/L	8.90884	0.9	73167.8	99.68094
Fe 273.955	5138.89	ug/L	46.4798	0.9	121876	102.77784
K 404.721	20210.1	ug/L	224.729	1.1	614.021	101.05026
Li 610.365	4967.72	ug/L	33.4225	0.7	640362	99.35435
Mg 279.078	20669.3	ug/L	167.225	0.8	163723	103.34630
Mn 257.610	996.998	ug/L	7.57296	0.8	417071	99.69983
Mo 202.032	1009.81	ug/L	23.1019	2.3	12126.5	100.98085
Na 330.237	20649.7	ug/L	93.4154	0.5	5908.80	103.24854

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ni 216.555	1001.68	ug/L	9.06274	0.9	14175.9	100.16823
Pb 220.353	1004.22	ug/L	6.62080	0.7	8475.34	100.42205
Sb 217.582	997.143	ug/L	6.86382	0.7	2367.75	99.71431
Se 196.026	1005.28	ug/L	11.6581	1.2	958.312	100.52794
Si 251.611	1004.26	ug/L	15.8231	1.6	7056.69	100.42632
Si 288.158	998.622	ug/L	16.4464	1.6	16320.9	99.86224
Sn 189.925	1007.85	ug/L	8.16155	0.8	2909.57	100.78466
Sr 421.552	995.752	ug/L	7.57917	0.8	3082896	99.57519
Ti 336.122	1000.82	ug/L	7.39182	0.7	326401	100.08202
Tl 190.794	1002.99	ug/L	6.25766	0.6	1687.38	100.29852
V 292.401	997.896	ug/L	8.29241	0.8	55940.5	99.78957
Zn 202.548	1003.65	ug/L	8.48847	0.8	53313.4	100.36483
Zr 339.198	975.600	ug/L	6.33565	0.6	71321.8	97.56003

CCB (CCB) **12/5/2011, 4:06:35 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.062395uv	ug/L	0.084353	135.2	-1.29468	-0.06240
Al 237.312	0.203960	ug/L	0.155077	76.0	21.1086	0.20396
As 188.980	2.31895	ug/L	0.644423	27.8	7.12619	2.31895
B 249.678	23.6137	ug/L	2.51519	10.7	870.006	23.61375
Ba 493.408	0.130719	ug/L	0.034654	26.5	609.168	0.13072
Be 313.042	0.050734	ug/L	0.016530	32.6	456.157	0.05073
Ca 373.690	0.352686	ug/L	0.009157	2.6	92.7207	0.35269
Cd 214.439	0.056467	ug/L	0.028229	50.0	12.0259	0.05647
Co 228.615	0.378931	ug/L	0.072029	19.0	35.4063	0.37893
Cr 267.716	-0.009062uv	ug/L	0.025370	280.0	53.9001	-0.00906
Cu 327.395	-0.037230uv	ug/L	0.048746	130.9	216.809	-0.03723
Fe 273.955	0.965000	ug/L	0.088320	9.2	128.184	0.96500
K 404.721	139.519	ug/L	143.964	103.2	23.7891	139.51906
Li 610.365	-0.038551uv	ug/L	0.114593	297.2	-21.4375	-0.03855
Mg 279.078	0.908684	ug/L	0.254668	28.0	44.7666	0.90868
Mn 257.610	0.056972	ug/L	0.026511	46.5	102.673	0.05697
Mo 202.032	16.3362	ug/L	0.565249	3.5	210.306	16.33624
Na 330.237	-33.2298uv	ug/L	13.6646	41.1	11.6421	-33.22979
Ni 216.555	0.203708	ug/L	0.267681	131.4	13.0695	0.20371
Pb 220.353	-0.052021uv	ug/L	0.295705	568.4	18.9653	-0.05202
Sb 217.582	2.41780	ug/L	0.370900	15.3	15.5226	2.41780
Se 196.026	2.73905	ug/L	1.65062	60.3	7.38080	2.73905
Si 251.611	-1.06015uv	ug/L	1.06410	100.4	62.9589	-1.06015
Si 288.158	1.10478	ug/L	0.270684	24.5	488.997	1.10478
Sn 189.925	0.269852uv	ug/L	0.503327	186.5	7.82326	0.26985
Sr 421.552	0.074322	ug/L	0.013212	17.8	364.365	0.07432
Ti 336.122	0.741643	ug/L	0.219582	29.6	310.012	0.74164
Tl 190.794	1.57607	ug/L	0.379881	24.1	7.72092	1.57607
V 292.401	0.173026	ug/L	0.133440	77.1	57.2810	0.17303
Zn 202.548	0.012105	ug/L	0.006368	52.6	35.8114	0.01210
Zr 339.198	0.654022	ug/L	0.066609	10.2	50.9456	0.65402

LCSD 360-84282/3-A (Samp) **12/5/2011, 4:09:31 PM** **Rack 1, Tube 13**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	1076.98	ug/L	5.46523	0.5	12251.7
Al 237.312	5548.85	ug/L	46.5178	0.8	25818.1
As 188.980	1086.94	ug/L	6.97146	0.6	2018.00
B 249.678	1019.19	ug/L	15.5453	1.5	34402.9
Ba 493.408	1075.78	ug/L	6.05633	0.6	2759375
Be 313.042	1055.35	ug/L	12.4042	1.2	4488706
Ca 373.690	22098.1	ug/L	170.341	0.8	192446
Cd 214.439	1082.38	ug/L	6.34980	0.6	76035.0
Co 228.615	1080.32	ug/L	8.78480	0.8	15513.1
Cr 267.716	1066.90	ug/L	8.67466	0.8	74845.0
Cu 327.395	1086.76	ug/L	5.47188	0.5	79750.4
Fe 273.955	5557.74	ug/L	50.0150	0.9	131476
K 404.721	21197.1	ug/L	313.489	1.5	643.349
Li 610.365	5226.36	ug/L	41.9510	0.8	673703
Mg 279.078	22108.8	ug/L	157.335	0.7	174758
Mn 257.610	1079.30	ug/L	7.85500	0.7	451489
Mo 202.032	1122.55	ug/L	19.8886	1.8	13478.8
Na 330.237	21436.4	ug/L	176.285	0.8	6131.51
Ni 216.555	1083.36	ug/L	10.9633	1.0	15330.9
Pb 220.353	1076.15	ug/L	8.09358	0.8	9081.05
Sb 217.582	1070.42	ug/L	7.73735	0.7	2541.02
Se 196.026	1098.95	ug/L	7.07072	0.6	1047.15
Si 251.611	1095.08	ug/L	22.6913	2.1	7684.29
Si 288.158	1091.72	ug/L	21.4038	2.0	17790.2
Sn 189.925	1083.47	ug/L	7.73191	0.7	3127.35
Sr 421.552	1074.96	ug/L	8.57859	0.8	3328109
Ti 336.122	1085.92	ug/L	10.2147	0.9	354148
Tl 190.794	1040.43	ug/L	17.4828	1.7	1750.56
V 292.401	1084.02	ug/L	8.14934	0.8	60764.4
Zn 202.548	1081.96	ug/L	5.04323	0.5	57475.8
Zr 339.198	1127.68	ug/L	6.49292	0.6	82439.4

360-37924-A-2-A (Samp) **12/5/2011, 4:12:28 PM** **Rack 1, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.103073uv	ug/L	0.235685	228.7	0.755127
Al 237.312	16.7224	ug/L	1.08832	6.5	99.9905
As 188.980	2.33768	ug/L	0.012203	0.5	7.16138
B 249.678	40.6402	ug/L	2.56644	6.3	2068.23
Ba 493.408	2.19740	ug/L	0.003255	0.1	5909.68
Be 313.042	0.035030	ug/L	0.025310	72.3	399.906
Ca 373.690	2867.74	ug/L	21.1894	0.7	25770.4
Cd 214.439	0.038109uv	ug/L	0.087843	230.5	11.1117
Co 228.615	0.594639	ug/L	0.328700	55.3	38.7560
Cr 267.716	0.705418	ug/L	0.141440	20.1	103.986
Cu 327.395	0.072849	ug/L	0.084862	116.5	224.868
Fe 273.955	346.864	ug/L	2.14944	0.6	8553.46
K 404.721	1455.62	ug/L	146.694	10.1	62.1108
Li 610.365	-0.077280uv	ug/L	0.028541	36.9	-26.3359
Mg 279.078	1334.88	ug/L	9.90787	0.7	10905.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	21.8756	ug/L	0.118417	0.5	9245.55
Mo 202.032	14.7638	ug/L	0.441549	3.0	191.452
Na 330.237	99783.4	ug/L	742.921	0.7	28667.6
Ni 216.555	0.547216	ug/L	0.077837	14.2	18.6924
Pb 220.353	-0.506493uv	ug/L	0.647459	127.8	15.1116
Sb 217.582	-0.543177uv	ug/L	0.504367	92.9	8.53107
Se 196.026	2.36493	ug/L	2.60688	110.2	7.05919
Si 251.611	13087.9	ug/L	43.7750	0.3	85568.9
Si 288.158	12651.9	ug/L	81.7530	0.6	196127
Sn 189.925	-0.251956uv	ug/L	0.610977	242.5	6.34454
Sr 421.552	8.64658	ug/L	0.035208	0.4	27141.5
Ti 336.122	0.715753	ug/L	0.061166	8.5	301.574
Tl 190.794	3.50050	ug/L	0.263852	7.5	10.9453
V 292.401	0.333493	ug/L	0.035235	10.6	70.9248
Zn 202.548	2.22555	ug/L	0.032162	1.4	152.962
Zr 339.198	14.5892	ug/L	0.696940	4.8	1069.61

360-37924-A-2-B MS (Samp) **12/5/2011, 4:15:24 PM** **Rack 1, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	999.294	ug/L	0.723593	0.1	11371.2
Al 237.312	5111.25	ug/L	15.7549	0.3	23835.1
As 188.980	1026.56	ug/L	2.65821	0.3	1906.05
B 249.678	967.568	ug/L	12.4014	1.3	33258.3
Ba 493.408	968.725	ug/L	3.31586	0.3	2484811
Be 313.042	1013.81	ug/L	18.1614	1.8	4312049
Ca 373.690	23241.3	ug/L	87.2835	0.4	201963
Cd 214.439	1007.52	ug/L	2.12287	0.2	70777.3
Co 228.615	999.145	ug/L	3.15419	0.3	14350.1
Cr 267.716	1001.41	ug/L	3.57054	0.4	70254.0
Cu 327.395	993.669	ug/L	4.81811	0.5	72938.0
Fe 273.955	5485.95	ug/L	22.8985	0.4	129833
K 404.721	21443.0	ug/L	461.139	2.2	650.409
Li 610.365	4327.68	ug/L	8.83814	0.2	557857
Mg 279.078	21620.8	ug/L	60.0405	0.3	171023
Mn 257.610	1016.99	ug/L	3.33476	0.3	425444
Mo 202.032	1038.56	ug/L	12.2663	1.2	12471.4
Na 330.237	112397	ug/L	204.525	0.2	32248.0
Ni 216.555	1003.56	ug/L	6.52589	0.7	14204.6
Pb 220.353	990.243	ug/L	0.636413	0.1	8357.61
Sb 217.582	1008.05	ug/L	1.78041	0.2	2393.51
Se 196.026	1031.08	ug/L	8.29280	0.8	982.793
Si 251.611	13468.5	ug/L	34.4197	0.3	88485.0
Si 288.158	13064.2	ug/L	10.2379	0.1	202914
Sn 189.925	1018.51	ug/L	4.42995	0.4	2940.28
Sr 421.552	977.115	ug/L	0.013854	0.0	3025466
Ti 336.122	1006.58	ug/L	1.81774	0.2	328279
Tl 190.794	944.984	ug/L	8.91048	0.9	1590.63
V 292.401	1005.08	ug/L	4.09586	0.4	56346.9
Zn 202.548	1014.89	ug/L	3.86112	0.4	53904.1
Zr 339.198	1007.63	ug/L	8.93529	0.9	73663.2

360-37924-A-2-C MSD (Samp) **12/5/2011, 4:18:21 PM** **Rack 1, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	976.286	ug/L	4.17700	0.4	11109.0
Al 237.312	4985.12	ug/L	31.1362	0.6	23261.9
As 188.980	1004.21	ug/L	5.96604	0.6	1864.61
B 249.678	961.146	ug/L	12.8785	1.3	33008.2
Ba 493.408	946.643	ug/L	5.35746	0.6	2428178
Be 313.042	1003.43	ug/L	5.01518	0.5	4267873
Ca 373.690	22575.0	ug/L	148.979	0.7	196399
Cd 214.439	982.978	ug/L	3.69626	0.4	69053.3
Co 228.615	976.215	ug/L	4.99278	0.5	14021.5
Cr 267.716	976.959	ug/L	6.72697	0.7	68539.9
Cu 327.395	969.913	ug/L	7.19454	0.7	71199.4
Fe 273.955	5386.41	ug/L	37.5181	0.7	127553
K 404.721	20793.9	ug/L	101.721	0.5	631.190
Li 610.365	4256.16	ug/L	18.4490	0.4	548637
Mg 279.078	21065.6	ug/L	116.366	0.6	166766
Mn 257.610	991.979	ug/L	5.32501	0.5	414981
Mo 202.032	1028.14	ug/L	16.4323	1.6	12346.3
Na 330.237	107369	ug/L	613.260	0.6	30805.4
Ni 216.555	983.299	ug/L	6.53949	0.7	13918.0
Pb 220.353	968.672	ug/L	3.14189	0.3	8175.98
Sb 217.582	987.832	ug/L	6.75031	0.7	2345.68
Se 196.026	1006.63	ug/L	5.09031	0.5	959.595
Si 251.611	12784.5	ug/L	34.0440	0.3	84007.3
Si 288.158	12400.7	ug/L	56.0769	0.5	192644
Sn 189.925	992.809	ug/L	4.81104	0.5	2866.28
Sr 421.552	955.183	ug/L	8.01693	0.8	2957550
Ti 336.122	983.407	ug/L	7.56230	0.8	320723
Tl 190.794	927.834	ug/L	10.7712	1.2	1561.80
V 292.401	979.643	ug/L	6.52727	0.7	54922.1
Zn 202.548	990.025	ug/L	4.42313	0.4	52584.8
Zr 339.198	1000.51	ug/L	2.22878	0.2	73142.4

360-37924-A-2-A sd (Samp) **12/5/2011, 4:21:18 PM** **Rack 1, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.098608uv	ug/L	0.202709	205.6	-1.65039
Al 237.312	5.33464	ug/L	0.958128	18.0	45.6099
As 188.980	0.495393	ug/L	0.373350	75.4	3.74666
B 249.678	31.3748	ug/L	2.28358	7.3	1262.38
Ba 493.408	0.515283	ug/L	0.032557	6.3	1595.48
Be 313.042	0.018932	ug/L	0.016456	86.9	323.181
Ca 373.690	605.607	ug/L	1.26536	0.2	5532.02
Cd 214.439	0.039974	ug/L	0.006304	15.8	10.9459
Co 228.615	0.283801	ug/L	0.097291	34.3	34.0991
Cr 267.716	0.142092	ug/L	0.068107	47.9	64.4961
Cu 327.395	-0.052539uv	ug/L	0.145284	276.5	215.686
Fe 273.955	73.2812	ug/L	0.262489	0.4	1892.39
K 404.721	790.131	ug/L	209.978	26.6	42.7187
Li 610.365	-0.208617uv	ug/L	0.029527	14.2	-43.3398
Mg 279.078	292.138	ug/L	0.945017	0.3	2419.24

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	4.76247	ug/L	0.006377	0.1	2074.54
Mo 202.032	12.3747	ug/L	0.672511	5.4	162.790
Na 330.237	21545.5	ug/L	105.664	0.5	6206.62
Ni 216.555	0.424970	ug/L	0.212958	50.1	16.1798
Pb 220.353	-0.624424uv	ug/L	0.069888	11.2	14.1396
Sb 217.582	2.65356	ug/L	0.227453	8.6	16.0792
Se 196.026	2.93110	ug/L	1.22632	41.8	7.56982
Si 251.611	2751.93	ug/L	8.72800	0.3	18047.4
Si 288.158	2673.56	ug/L	12.2204	0.5	41817.5
Sn 189.925	-0.253682uv	ug/L	1.08113	426.2	6.32092
Sr 421.552	1.88300	ug/L	0.002560	0.1	6014.38
Ti 336.122	0.625918	ug/L	0.086787	13.9	272.279
Tl 190.794	4.05926	ug/L	0.526838	13.0	11.8656
V 292.401	0.209897	ug/L	0.074112	35.3	60.3271
Zn 202.548	0.254261	ug/L	0.028973	11.4	48.6719
Zr 339.198	2.28321	ug/L	0.195812	8.6	170.036

360-37924-A-2-A pds (Samp) **12/5/2011, 4:24:13 PM** **Rack 1, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	852.172	ug/L	3.26515	0.4	9712.02
Al 237.312	4605.28	ug/L	22.6899	0.5	21531.4
As 188.980	923.077	ug/L	6.26664	0.7	1714.20
B 249.678	910.018	ug/L	14.2994	1.6	31335.2
Ba 493.408	883.857	ug/L	7.27883	0.8	2267148
Be 313.042	934.630	ug/L	6.26690	0.7	3975266
Ca 373.690	21406.1	ug/L	138.090	0.6	186567
Cd 214.439	908.169	ug/L	4.41126	0.5	63798.6
Co 228.615	908.702	ug/L	4.30548	0.5	13054.6
Cr 267.716	905.727	ug/L	6.82955	0.8	63546.6
Cu 327.395	899.734	ug/L	6.20134	0.7	66063.7
Fe 273.955	4967.17	ug/L	35.6612	0.7	117924
K 404.721	19457.9	ug/L	131.461	0.7	591.613
Li 610.365	3936.14	ug/L	33.5038	0.9	507383
Mg 279.078	19585.1	ug/L	110.918	0.6	155381
Mn 257.610	922.553	ug/L	5.28323	0.6	385944
Mo 202.032	979.912	ug/L	17.6368	1.8	11767.9
Na 330.237	111923	ug/L	747.793	0.7	32115.4
Ni 216.555	909.328	ug/L	7.95430	0.9	12871.3
Pb 220.353	892.814	ug/L	3.82271	0.4	7537.22
Sb 217.582	948.095	ug/L	1.76772	0.2	2251.59
Se 196.026	933.236	ug/L	8.80785	0.9	889.986
Si 251.611	13765.9	ug/L	65.9854	0.5	90399.8
Si 288.158	13387.7	ug/L	73.9451	0.6	207892
Sn 189.925	944.153	ug/L	4.52563	0.5	2726.14
Sr 421.552	883.698	ug/L	5.25125	0.6	2736269
Ti 336.122	938.814	ug/L	7.31573	0.8	306183
Tl 190.794	874.048	ug/L	4.81488	0.6	1471.46
V 292.401	912.755	ug/L	6.48373	0.7	51177.0
Zn 202.548	925.859	ug/L	3.73605	0.4	49175.5
Zr 339.198	968.512	ug/L	0.688721	0.1	70803.6

360-37924-A-3-A (Samp) **12/5/2011, 4:27:10 PM** **Rack 1, Tube 19**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.042490uv	ug/L	0.035124	82.7	-0.879883
Al 237.312	14.6043	ug/L	1.11801	7.7	89.8750
As 188.980	1.40908	ug/L	1.95462	138.7	5.44034
B 249.678	38.9382	ug/L	2.09597	5.4	1960.08
Ba 493.408	39.0592	ug/L	0.106242	0.3	100451
Be 313.042	0.027197	ug/L	0.020681	76.0	365.622
Ca 373.690	2619.68	ug/L	13.1027	0.5	23557.6
Cd 214.439	0.004295uv	ug/L	0.081143	1889.3	8.69327
Co 228.615	0.311373uv	ug/L	0.504277	162.0	34.6819
Cr 267.716	0.632720	ug/L	0.046529	7.4	98.8894
Cu 327.395	-0.200735uv	ug/L	0.088430	44.1	204.847
Fe 273.955	313.189	ug/L	1.18973	0.4	7734.69
K 404.721	1358.66	ug/L	29.0420	2.1	59.3535
Li 610.365	-0.183091uv	ug/L	0.054254	29.6	-39.9844
Mg 279.078	1213.51	ug/L	3.80786	0.3	9918.59
Mn 257.610	19.6838	ug/L	0.055564	0.3	8327.34
Mo 202.032	12.8699	ug/L	0.144485	1.1	168.735
Na 330.237	91655.9	ug/L	346.444	0.4	26334.3
Ni 216.555	0.634823	ug/L	0.433882	68.3	19.7742
Pb 220.353	-0.800381uv	ug/L	0.411658	51.4	12.6394
Sb 217.582	0.974812uv	ug/L	1.75755	180.3	12.1152
Se 196.026	2.44146	ug/L	1.95631	80.1	7.12868
Si 251.611	12002.9	ug/L	51.6022	0.4	78481.0
Si 288.158	11500.0	ug/L	29.4416	0.3	178314
Sn 189.925	-0.221549uv	ug/L	0.175372	79.2	6.42993
Sr 421.552	7.84686	ug/L	0.012758	0.2	24645.4
Ti 336.122	0.724020	ug/L	0.057011	7.9	304.270
Tl 190.794	-0.116752uv	ug/L	0.482419	413.2	4.90788
V 292.401	0.240229	ug/L	0.070983	29.5	65.3054
Zn 202.548	2.54011	ug/L	0.124612	4.9	169.339
Zr 339.198	9.64843	ug/L	0.403493	4.2	708.429

360-37924-A-1-A (Samp) **12/5/2011, 4:30:06 PM** **Rack 1, Tube 20**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.365922uv	ug/L	0.318450	87.0	-4.59595
Al 237.312	1.55504	ug/L	0.222172	14.3	27.5618
As 188.980	1.18158	ug/L	0.366818	31.0	5.01843
B 249.678	10.2878	ug/L	0.214364	2.1	442.460
Ba 493.408	0.022605	ug/L	0.002981	13.2	331.883
Be 313.042	-0.019754uv	ug/L	0.005267	26.7	156.445
Ca 373.690	22.5449	ug/L	1.23098	5.5	301.012
Cd 214.439	-0.001562uv	ug/L	0.033457	2142.0	8.04251
Co 228.615	0.500678	ug/L	0.128169	25.6	37.1743
Cr 267.716	0.212515	ug/L	0.060576	28.5	69.4329
Cu 327.395	0.172973	ug/L	0.116484	67.3	232.189
Fe 273.955	51.7145	ug/L	0.312121	0.6	1366.41
K 404.721	75.9900uv	ug/L	403.234	530.6	21.9468
Li 610.365	-0.102794uv	ug/L	0.057597	56.0	-29.7188
Mg 279.078	4.47401	ug/L	0.248660	5.6	73.9297

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	0.655977	ug/L	0.023129	3.5	353.040
Mo 202.032	3.63170	ug/L	0.469846	12.9	57.9221
Na 330.237	1788.76	ug/L	26.1240	1.5	534.658
Ni 216.555	-0.106746uv	ug/L	0.163327	153.0	8.75024
Pb 220.353	-0.543124uv	ug/L	0.446222	82.2	14.8259
Sb 217.582	0.168876	ug/L	0.061597	36.5	10.2122
Se 196.026	0.568761uv	ug/L	1.14769	201.8	5.32472
Si 251.611	400.689	ug/L	5.04241	1.3	2687.03
Si 288.158	385.039	ug/L	5.96964	1.6	6425.47
Sn 189.925	-1.04617uv	ug/L	0.074669	7.1	4.03375
Sr 421.552	0.049430	ug/L	0.002128	4.3	289.502
Ti 336.122	0.432986	ug/L	0.068197	15.8	209.370
Tl 190.794	0.650700	ug/L	0.313821	48.2	6.17793
V 292.401	0.090202uv	ug/L	0.215324	238.7	52.7129
Zn 202.548	1.33859	ug/L	0.000526	0.0	105.815
Zr 339.198	0.899337	ug/L	0.164706	18.3	68.8787

360-37923-A-1-A (Samp) **12/5/2011, 4:33:03 PM** **Rack 1, Tube 21**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.031797uv	ug/L	0.564597	1775.6	-0.718262
Al 237.312	29.1774	ug/L	0.031748	0.1	159.457
As 188.980	1.10954uv	ug/L	1.68441	151.8	4.88527
B 249.678	21.0281	ug/L	0.966003	4.6	1346.90
Ba 493.408	2.31510	ug/L	0.017951	0.8	6211.57
Be 313.042	0.023099	ug/L	0.000564	2.4	347.658
Ca 373.690	2386.92	ug/L	13.4331	0.6	21567.7
Cd 214.439	0.020208	ug/L	0.018951	93.8	10.7636
Co 228.615	0.370727	ug/L	0.196412	53.0	35.8683
Cr 267.716	0.744588	ug/L	0.049027	6.6	106.731
Cu 327.395	-0.001714uv	ug/L	0.171932	10033.6	219.408
Fe 273.955	777.362	ug/L	3.66484	0.5	18992.8
K 404.721	1177.52	ug/L	466.798	39.6	54.0571
Li 610.365	0.168657	ug/L	0.045897	27.2	5.35547
Mg 279.078	1172.76	ug/L	2.81384	0.2	9588.14
Mn 257.610	43.3986	ug/L	0.135547	0.3	18235.9
Mo 202.032	2.21285	ug/L	0.237686	10.7	40.9094
Na 330.237	91872.7	ug/L	346.499	0.4	26396.5
Ni 216.555	1.05677	ug/L	0.082407	7.8	26.7665
Pb 220.353	-0.788613uv	ug/L	0.008303	1.1	12.7028
Sb 217.582	-0.813888uv	ug/L	0.976198	119.9	7.89185
Se 196.026	0.439754uv	ug/L	2.83860	645.5	5.24976
Si 251.611	11745.6	ug/L	40.4356	0.3	76799.7
Si 288.158	11275.5	ug/L	34.8167	0.3	174842
Sn 189.925	-0.794313uv	ug/L	0.777904	97.9	4.77989
Sr 421.552	7.09581	ug/L	0.035369	0.5	22302.8
Ti 336.122	0.262437	ug/L	0.048692	18.6	153.768
Tl 190.794	0.155479uv	ug/L	1.81618	1168.1	5.36130
V 292.401	0.095046	ug/L	0.161163	169.6	57.2090
Zn 202.548	3.14768	ug/L	0.046182	1.5	202.174
Zr 339.198	6.32173	ug/L	0.625079	9.9	465.239

360-37933-E-5-A (Samp) **12/5/2011, 4:35:59 PM** **Rack 1, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.516292	ug/L	0.034003	6.6	5.85156
Al 237.312	914.133	ug/L	4.71242	0.5	4366.52
As 188.980	2.41922	ug/L	0.146290	6.0	7.31366
B 249.678	6.40420	ug/L	0.382689	6.0	572.424
Ba 493.408	35.8927	ug/L	0.149150	0.4	92329.7
Be 313.042	0.005009	ug/L	0.005429	108.4	307.817
Ca 373.690	15584.4	ug/L	65.6795	0.4	136775
Cd 214.439	-0.015428	ug/L	0.010246	66.4	10.1829
Co 228.615	2.30040	ug/L	0.463355	20.1	66.2153
Cr 267.716	2.41855	ug/L	0.096575	4.0	224.077
Cu 327.395	6.43898	ug/L	0.140621	2.2	690.627
Fe 273.955	1416.25	ug/L	6.67703	0.5	34390.3
K 404.721	10181.6	ug/L	127.059	1.2	317.062
Li 610.365	1.07329	ug/L	0.009899	0.9	122.238
Mg 279.078	4139.15	ug/L	17.7005	0.4	33602.8
Mn 257.610	719.939	ug/L	2.57876	0.4	300991
Mo 202.032	3.67077	ug/L	0.461545	12.6	58.4267
Na 330.237	12989.8	ug/L	20.0966	0.2	3749.53
Ni 216.555	1.42405	ug/L	0.159685	11.2	33.4985
Pb 220.353	1.69895	ug/L	0.403949	23.8	33.6011
Sb 217.582	-1.98056uv	ug/L	2.08276	105.2	5.13708
Se 196.026	0.472051uv	ug/L	1.73457	367.5	5.94482
Si 251.611	5817.08	ug/L	52.1360	0.9	38088.7
Si 288.158	5572.25	ug/L	12.3281	0.2	86642.6
Sn 189.925	-0.711591uv	ug/L	0.465228	65.4	5.07088
Sr 421.552	55.5784	ug/L	0.248746	0.4	173451
Ti 336.122	69.3462	ug/L	0.665745	1.0	22679.7
Tl 190.794	-0.220806uv	ug/L	0.056824	25.7	4.80183
V 292.401	1.14258	ug/L	0.162280	14.2	139.001
Zn 202.548	21.6165	ug/L	0.285205	1.3	1178.25
Zr 339.198	2.26426	ug/L	0.416940	18.4	168.545

CCV (CCV) **12/5/2011, 4:38:55 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	1006.09	ug/L	2.02913	0.2	11448.8	100.60936
Al 237.312	5233.74	ug/L	3.46544	0.1	24391.1	104.67488
As 188.980	1018.62	ug/L	2.58545	0.3	1891.34	101.86217
B 249.678	978.601	ug/L	11.1952	1.1	33033.6	97.86012
Ba 493.408	1004.44	ug/L	1.47252	0.1	2576411	100.44395
Be 313.042	1008.89	ug/L	24.3419	2.4	4291111	100.88918
Ca 373.690	20609.4	ug/L	11.6562	0.1	179925	103.04714
Cd 214.439	1019.09	ug/L	0.002676	0.0	71589.1	101.90853
Co 228.615	1013.36	ug/L	0.326062	0.0	14553.1	101.33550
Cr 267.716	1008.69	ug/L	0.020328	0.0	70764.3	100.86903
Cu 327.395	1007.55	ug/L	3.15501	0.3	73953.7	100.75496
Fe 273.955	5187.23	ug/L	6.29111	0.1	122986	103.74456
K 404.721	20265.3	ug/L	134.798	0.7	615.675	101.32627
Li 610.365	5017.68	ug/L	4.24955	0.1	646802	100.35352
Mg 279.078	20907.1	ug/L	4.53681	0.0	165550	104.53531

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	1006.64	ug/L	0.297534	0.0	421105	100.66420
Mo 202.032	1004.12	ug/L	21.0721	2.1	12058.2	100.41165
Na 330.237	20962.2	ug/L	58.5877	0.3	5998.03	104.81082
Ni 216.555	1013.51	ug/L	0.594852	0.1	14343.2	101.35057
Pb 220.353	1016.46	ug/L	0.223301	0.0	8578.43	101.64630
Sb 217.582	1009.93	ug/L	1.32147	0.1	2397.97	100.99262
Se 196.026	1021.91	ug/L	7.92729	0.8	974.079	102.19096
Si 251.611	1041.87	ug/L	13.0183	1.2	7306.49	104.18715
Si 288.158	1041.64	ug/L	10.6562	1.0	16990.4	104.16374
Sn 189.925	1020.70	ug/L	1.96569	0.2	2946.57	102.06958
Sr 421.552	1005.28	ug/L	2.04251	0.2	3112405	100.52834
Ti 336.122	1009.85	ug/L	0.869339	0.1	329345	100.98469
Tl 190.794	1008.49	ug/L	2.75096	0.3	1696.66	100.84920
V 292.401	1008.03	ug/L	0.102846	0.0	56508.1	100.80302
Zn 202.548	1017.36	ug/L	0.908225	0.1	54039.9	101.73568
Zr 339.198	970.893	ug/L	22.5341	2.3	70977.6	97.08932

CCB (CCB) **12/5/2011, 4:41:51 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	0.602685	ug/L	0.542893	90.1	6.09985	0.60269
Al 237.312	0.544132uv	ug/L	0.866989	159.3	22.7339	0.54413
As 188.980	2.42290	ug/L	0.728315	30.1	7.31889	2.42290
B 249.678	21.9218	ug/L	2.44051	11.1	813.424	21.92176
Ba 493.408	0.131683	ug/L	0.011825	9.0	611.641	0.13168
Be 313.042	0.065598	ug/L	0.014166	21.6	519.349	0.06560
Ca 373.690	2.00453	ug/L	0.275906	13.8	107.540	2.00453
Cd 214.439	0.045705	ug/L	0.002615	5.7	11.2699	0.04570
Co 228.615	0.480912	ug/L	0.095920	19.9	36.8632	0.48091
Cr 267.716	0.062417	ug/L	0.060399	96.8	58.9109	0.06242
Cu 327.395	0.031623uv	ug/L	0.196588	621.7	221.849	0.03162
Fe 273.955	0.943392	ug/L	0.299095	31.7	127.659	0.94339
K 404.721	285.307	ug/L	325.676	114.1	28.0288	285.30698
Li 610.365	-0.240976uv	ug/L	0.128392	53.3	-47.5313	-0.24098
Mg 279.078	2.53430	ug/L	0.358383	14.1	58.0254	2.53430
Mn 257.610	0.073105	ug/L	0.026371	36.1	109.444	0.07310
Mo 202.032	15.5362	ug/L	0.322812	2.1	200.710	15.53623
Na 330.237	-20.9325uv	ug/L	13.2508	63.3	15.1714	-20.93252
Ni 216.555	0.089981	ug/L	0.048851	54.3	11.4758	0.08998
Pb 220.353	-0.572330uv	ug/L	0.126460	22.1	14.5839	-0.57233
Sb 217.582	-0.294204uv	ug/L	0.061597	20.9	9.11896	-0.29420
Se 196.026	2.69136	ug/L	0.441840	16.4	7.33563	2.69136
Si 251.611	2.07538	ug/L	0.727522	35.1	83.0106	2.07538
Si 288.158	4.43530	ug/L	2.20216	49.7	539.426	4.43530
Sn 189.925	0.977829	ug/L	0.127014	13.0	9.86195	0.97783
Sr 421.552	0.084074	ug/L	0.018125	21.6	394.692	0.08407
Ti 336.122	0.730507	ug/L	0.094053	12.9	306.381	0.73051
Tl 190.794	-0.578345uv	ug/L	1.10297	190.7	4.12733	-0.57834
V 292.401	0.103544uv	ug/L	0.174206	168.2	53.3967	0.10354
Zn 202.548	0.064177	ug/L	0.076354	119.0	38.5877	0.06418
Zr 339.198	0.722870	ug/L	0.078884	10.9	55.9785	0.72287

360-37933-E-6-A (Samp) **12/5/2011, 4:44:47 PM** **Rack 1, Tube 23**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.037687	ug/L	0.071618	190.0	-0.012695
Al 237.312	233.980	ug/L	3.25738	1.4	1136.42
As 188.980	0.478565uv	ug/L	1.38804	290.0	3.71571
B 249.678	22.8290	ug/L	0.078361	0.3	1044.85
Ba 493.408	105.155	ug/L	0.593287	0.6	269970
Be 313.042	0.125422	ug/L	0.005082	4.1	794.321
Ca 373.690	5414.89	ug/L	38.0077	0.7	48299.1
Cd 214.439	0.539217	ug/L	0.043661	8.1	46.2992
Co 228.615	20.0357	ug/L	0.030927	0.2	316.618
Cr 267.716	0.505734	ug/L	0.047130	9.3	89.9875
Cu 327.395	2.95497	ug/L	0.171403	5.8	436.252
Fe 273.955	162.571	ug/L	1.62287	1.0	4068.67
K 404.721	1257.79	ug/L	339.369	27.0	56.5264
Li 610.365	0.868821	ug/L	0.012685	1.5	95.6953
Mg 279.078	2291.97	ug/L	13.0192	0.6	18671.2
Mn 257.610	1002.57	ug/L	6.40056	0.6	419055
Mo 202.032	5.53598	ug/L	0.600327	10.8	80.7755
Na 330.237	6062.91	ug/L	35.8463	0.6	1716.74
Ni 216.555	5.84724	ug/L	0.132910	2.3	92.6110
Pb 220.353	0.072118	ug/L	0.062794	87.1	19.9982
Sb 217.582	1.70008uv	ug/L	3.62484	213.2	13.8296
Se 196.026	0.362649	ug/L	0.273935	75.5	6.13805
Si 251.611	4167.88	ug/L	31.7597	0.8	27298.3
Si 288.158	4038.35	ug/L	12.6449	0.3	62922.9
Sn 189.925	-0.601776uv	ug/L	0.495032	82.3	5.35428
Sr 421.552	57.2654	ug/L	0.332476	0.6	177797
Ti 336.122	4.37466	ug/L	0.002812	0.1	1494.79
Tl 190.794	0.337751uv	ug/L	0.677469	200.6	5.78857
V 292.401	0.334089	ug/L	0.066322	19.9	74.8130
Zn 202.548	1123.57	ug/L	20.6899	1.8	59178.1
Zr 339.198	4.51355	ug/L	0.407219	9.0	333.025

360-37933-E-7-A (Samp) **12/5/2011, 4:47:42 PM** **Rack 1, Tube 24**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.114997uv	ug/L	0.204453	177.8	0.833984
Al 237.312	561.859	ug/L	3.42781	0.6	2696.14
As 188.980	1.41093	ug/L	0.698054	49.5	5.44370
B 249.678	5.34155	ug/L	0.462398	8.7	389.661
Ba 493.408	29.6181	ug/L	0.117621	0.4	76237.0
Be 313.042	0.253110	ug/L	0.002333	0.9	1321.57
Ca 373.690	1646.90	ug/L	9.59005	0.6	14850.7
Cd 214.439	0.046058	ug/L	0.003619	7.9	11.4887
Co 228.615	1.57272	ug/L	0.017906	1.1	52.6585
Cr 267.716	0.527907	ug/L	0.128068	24.3	91.5420
Cu 327.395	1.11732	ug/L	0.038400	3.4	301.303
Fe 273.955	113.329	ug/L	0.508514	0.4	2868.77
K 404.721	330.461	ug/L	166.240	50.3	29.4058
Li 610.365	0.499116	ug/L	0.014871	3.0	47.9023
Mg 279.078	392.015	ug/L	2.27745	0.6	3233.14

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	42.8616	ug/L	0.180281	0.4	17996.5
Mo 202.032	2.23971	ug/L	0.483929	21.6	41.2297
Na 330.237	4163.24	ug/L	17.9004	0.4	1215.95
Ni 216.555	1.24687	ug/L	0.166404	13.3	27.9002
Pb 220.353	-0.177200uv	ug/L	0.124225	70.1	17.9025
Sb 217.582	-1.36485uv	ug/L	0.976564	71.6	6.59094
Se 196.026	0.132176uv	ug/L	1.70676	1291.3	4.95537
Si 251.611	2759.41	ug/L	4.50176	0.2	18096.5
Si 288.158	2667.79	ug/L	10.5520	0.4	41726.6
Sn 189.925	-0.546266uv	ug/L	0.150792	27.6	5.48019
Sr 421.552	28.9273	ug/L	0.124865	0.4	89785.0
Ti 336.122	3.77831	ug/L	0.362881	9.6	1300.17
Tl 190.794	-1.00614uv	ug/L	0.022727	2.3	3.42763
V 292.401	0.347598	ug/L	0.102934	29.6	69.7893
Zn 202.548	11.1716	ug/L	0.050316	0.5	623.919
Zr 339.198	4.93659	ug/L	0.442094	9.0	364.002

360-37933-E-8-A (Samp) **12/5/2011, 4:50:37 PM** **Rack 1, Tube 25**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.209925uv	ug/L	0.062992	30.0	-2.79419
Al 237.312	413.967	ug/L	1.30873	0.3	1993.19
As 188.980	0.623188	ug/L	0.438216	70.3	3.98370
B 249.678	4.73614	ug/L	0.250279	5.3	388.360
Ba 493.408	49.4046	ug/L	0.221316	0.4	126985
Be 313.042	0.141326	ug/L	0.000965	0.7	848.495
Ca 373.690	2387.14	ug/L	11.2334	0.5	21440.6
Cd 214.439	0.494287	ug/L	0.032394	6.6	42.8531
Co 228.615	4.85686	ug/L	0.004874	0.1	99.5208
Cr 267.716	0.436319	ug/L	0.055370	12.7	85.1216
Cu 327.395	1.40503	ug/L	0.131370	9.4	322.441
Fe 273.955	52.3762	ug/L	0.396051	0.8	1382.56
K 404.721	576.286	ug/L	520.470	90.3	36.5874
Li 610.365	0.466981	ug/L	0.006985	1.5	43.7695
Mg 279.078	539.805	ug/L	4.21385	0.8	4436.86
Mn 257.610	112.812	ug/L	0.486675	0.4	47228.8
Mo 202.032	1.11833	ug/L	0.317293	28.4	27.7812
Na 330.237	3168.34	ug/L	21.3061	0.7	922.715
Ni 216.555	1.95779	ug/L	0.221017	11.3	37.7062
Pb 220.353	-0.271479uv	ug/L	0.590948	217.7	17.1133
Sb 217.582	1.16435	ug/L	1.02979	88.4	12.5645
Se 196.026	-1.16182uv	ug/L	0.938516	80.8	3.80060
Si 251.611	3150.66	ug/L	16.9844	0.5	20652.6
Si 288.158	3050.28	ug/L	10.9077	0.4	47642.6
Sn 189.925	-0.322747uv	ug/L	0.401171	124.3	6.12648
Sr 421.552	34.6578	ug/L	0.172148	0.5	107581
Ti 336.122	2.76867	ug/L	0.327963	11.8	970.977
Tl 190.794	-0.686916uv	ug/L	0.800211	116.5	3.98146
V 292.401	0.356479	ug/L	0.096798	27.2	71.3162
Zn 202.548	200.714	ug/L	1.96008	1.0	10600.9
Zr 339.198	3.23416	ug/L	0.265628	8.2	239.546

360-37915-A-1-A (Samp) **12/5/2011, 4:53:34 PM** **Rack 1, Tube 26**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.147918uv	ug/L	0.295688	199.9	1.26025
Al 237.312	17.5146	ug/L	1.13706	6.5	103.771
As 188.980	2.74840	ug/L	0.923298	33.6	7.92262
B 249.678	89.9572	ug/L	0.116031	0.1	3106.64
Ba 493.408	415.288	ug/L	3.96537	1.0	1065385
Be 313.042	-0.016900uv	ug/L	0.002687	15.9	169.858
Ca 373.690	403.943	ug/L	4.31057	1.1	3712.89
Cd 214.439	0.017246	ug/L	0.020363	118.1	9.26633
Co 228.615	0.297557	ug/L	0.014204	4.8	34.2345
Cr 267.716	0.760974	ug/L	0.045988	6.0	107.880
Cu 327.395	5.07276	ug/L	0.106412	2.1	590.620
Fe 273.955	4.96569	ug/L	0.239449	4.8	225.845
K 404.721	855.890	ug/L	842.776	98.5	45.3911
Li 610.365	-0.606390uv	ug/L	0.009514	1.6	-94.6328
Mg 279.078	50.0248	ug/L	0.854288	1.7	445.347
Mn 257.610	2.01834	ug/L	0.005407	0.3	923.197
Mo 202.032	0.820811	ug/L	0.006560	0.8	24.2079
Na 330.237	-x	ug/L	8027.25	0.7	341315
Ni 216.555	-0.023724uv	ug/L	0.197215	831.3	9.89154
Pb 220.353	2.84654	ug/L	0.692171	24.3	43.3732
Sb 217.582	-0.284551uv	ug/L	1.39634	490.7	9.14166
Se 196.026	0.917057uv	ug/L	2.32006	253.0	5.65652
Si 251.611	251.021	ug/L	11.5353	4.6	1709.24
Si 288.158	237.582	ug/L	8.12301	3.4	4145.02
Sn 189.925	-0.076525uv	ug/L	0.524663	685.6	6.82672
Sr 421.552	12.0827	ug/L	0.104484	0.9	37555.7
Ti 336.122	0.389093	ug/L	0.105552	27.1	195.059
Tl 190.794	-1.50788uv	ug/L	0.435296	28.9	2.57770
V 292.401	0.102452	ug/L	0.023556	23.0	53.9395
Zn 202.548	240.180	ug/L	4.87881	2.0	12679.8
Zr 339.198	2.63559	ug/L	0.318984	12.1	195.803

360-37913-C-1-A (Samp) **12/5/2011, 4:56:30 PM** **Rack 1, Tube 27**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.083197uv	ug/L	0.326390	392.3	-1.36914
Al 237.312	3.87149	ug/L	2.98323	77.1	38.6221
As 188.980	0.709939	ug/L	0.084672	11.9	4.14453
B 249.678	6.25774	ug/L	0.476711	7.6	289.095
Ba 493.408	0.055733	ug/L	0.007717	13.8	416.848
Be 313.042	-0.019009uv	ug/L	0.006075	32.0	159.563
Ca 373.690	5.90811	ug/L	0.074798	1.3	191.732
Cd 214.439	0.001303uv	ug/L	0.041982	3221.5	8.71274
Co 228.615	0.218416	ug/L	0.263109	120.5	33.3061
Cr 267.716	0.512806	ug/L	0.080824	15.8	90.4834
Cu 327.395	0.643379	ug/L	0.124895	19.4	266.593
Fe 273.955	273.968	ug/L	2.32962	0.9	6780.64
K 404.721	416.231	ug/L	213.788	51.4	31.8604
Li 610.365	0.083175	ug/L	0.088238	106.1	-5.74609
Mg 279.078	3.06730	ug/L	0.310590	10.1	62.8225

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	2.92686	ug/L	0.012511	0.4	1301.92
Mo 202.032	0.723858	ug/L	0.345100	47.7	23.0441
Na 330.237	28.9683	ug/L	31.0814	107.3	29.4414
Ni 216.555	-0.001243	ug/L	0.068832	5538.2	10.6786
Pb 220.353	0.242153	ug/L	0.257614	106.4	21.4214
Sb 217.582	-0.478762uv	ug/L	0.347833	72.7	8.68304
Se 196.026	0.243629uv	ug/L	1.04234	427.8	5.01576
Si 251.611	20.8050	ug/L	1.73454	8.3	205.255
Si 288.158	21.8012	ug/L	2.74415	12.6	807.977
Sn 189.925	-0.324437uv	ug/L	0.942222	290.4	6.11200
Sr 421.552	0.002971uv	ug/L	0.005325	179.2	145.158
Ti 336.122	0.326016	ug/L	0.051585	15.8	174.491
Tl 190.794	-0.446810uv	ug/L	0.470635	105.3	4.34509
V 292.401	-0.074565uv	ug/L	0.014000	18.8	43.6597
Zn 202.548	1.44366	ug/L	0.028159	2.0	111.925
Zr 339.198	1.22082	ug/L	0.164796	13.5	92.3799

360-37913-C-3-A (Samp) **12/5/2011, 4:59:27 PM** **Rack 1, Tube 28**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-3.41335	ug/L	0.725768	21.3	18.6006
Al 237.312	2973.57	ug/L	12.3604	0.4	14017.5
As 188.980	0.569388uv	ug/L	1.08573	190.7	4.01289
B 249.678	166.862	ug/L	3.17565	1.9	6428.50
Ba 493.408	76.3879	ug/L	0.543488	0.7	196190
Be 313.042	0.219851	ug/L	0.002439	1.1	1202.17
Ca 373.690	7586.74	ug/L	60.9469	0.8	67778.8
Cd 214.439	0.577731	ug/L	0.017188	3.0	53.2178
Co 228.615	11.0910	ug/L	0.170443	1.5	194.588
Cr 267.716	190.557	ug/L	1.65781	0.9	13412.7
Cu 327.395	24.4619	ug/L	0.353653	1.4	2009.32
Fe 273.955	2389.02	ug/L	10.7304	0.4	57621.8
K 404.721	2382.48	ug/L	228.531	9.6	89.4146
Li 610.365	0.089078	ug/L	0.025541	28.7	-4.73438
Mg 279.078	2305.75	ug/L	15.2763	0.7	18786.4
Mn 257.610	1354.22	ug/L	10.9279	0.8	565992
Mo 202.032	0.524999	ug/L	0.236290	45.0	20.6767
Na 330.237	10435.4	ug/L	122.685	1.2	3008.01
Ni 216.555	438.984	ug/L	8.25324	1.9	6184.43
Pb 220.353	3.92302	ug/L	0.240865	6.1	52.2557
Sb 217.582	-2.47108uv	ug/L	0.127947	5.2	3.98096
Se 196.026	0.216884	ug/L	1.91853	884.6	6.33878
Si 251.611	15663.1	ug/L	5.94412	0.0	102417
Si 288.158	15308.9	ug/L	51.2963	0.3	237215
Sn 189.925	-1.04208uv	ug/L	0.034225	3.3	4.08665
Sr 421.552	60.2508	ug/L	0.447331	0.7	187230
Ti 336.122	99.7025	ug/L	2.41455	2.4	32577.9
Tl 190.794	2.22211	ug/L	0.665167	29.9	9.00499
V 292.401	4.62751	ug/L	0.024241	0.5	324.249
Zn 202.548	225.016	ug/L	3.51823	1.6	11894.2
Zr 339.198	11.5024	ug/L	1.54104	13.4	843.930

360-37890-A-1-A (Samp) **12/5/2011, 5:02:23 PM** **Rack 1, Tube 29**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.184896uv	ug/L	0.600779	324.9	2.80615
Al 237.312	279.228	ug/L	0.698756	0.3	1351.86
As 188.980	2.39953	ug/L	1.18594	49.4	7.27835
B 249.678	34.1007	ug/L	0.001114	0.0	1312.28
Ba 493.408	437.471	ug/L	1.74901	0.4	1122278
Be 313.042	-0.016335uv	ug/L	0.000136	0.8	218.604
Ca 373.690	18483.9	ug/L	116.965	0.6	162077
Cd 214.439	0.684122	ug/L	0.034250	5.0	67.6439
Co 228.615	3.37259	ug/L	0.301608	8.9	82.6085
Cr 267.716	4.18992	ug/L	0.018386	0.4	348.251
Cu 327.395	206.833	ug/L	0.441197	0.2	15350.2
Fe 273.955	5524.64	ug/L	32.3394	0.6	130688
K 404.721	15780.0	ug/L	941.007	6.0	482.504
Li 610.365	0.108845	ug/L	0.012471	11.5	-2.26953
Mg 279.078	2236.07	ug/L	10.5286	0.5	18226.6
Mn 257.610	4955.14	ug/L	30.7112	0.6	2070663
Mo 202.032	14.1027	ug/L	0.333226	2.4	183.558
Na 330.237	62325.2	ug/L	314.019	0.5	17895.8
Ni 216.555	12.4763	ug/L	0.214064	1.7	198.052
Pb 220.353	22.8952	ug/L	1.27091	5.6	211.784
Sb 217.582	-0.436036uv	ug/L	0.565269	129.6	8.78680
Se 196.026	-6.56804uv	ug/L	0.705914	10.7	3.46960
Si 251.611	1883.32	ug/L	17.5013	0.9	12374.9
Si 288.158	1839.55	ug/L	9.26515	0.5	28918.7
Sn 189.925	3.93117	ug/L	0.253803	6.5	18.4062
Sr 421.552	463.416	ug/L	3.10589	0.7	1435615
Ti 336.122	9.24605	ug/L	0.238869	2.6	3083.92
Tl 190.794	4.14033	ug/L	0.625404	15.1	12.0958
V 292.401	0.997649	ug/L	0.165712	16.6	135.859
Zn 202.548	451.534	ug/L	3.60623	0.8	23903.0
Zr 339.198	8.56342	ug/L	0.990353	11.6	629.084

LB 360-84270/1-B@2 (Samp) **12/5/2011, 5:05:18 PM** **Rack 1, Tube 30**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.388451uv	ug/L	0.057979	14.9	-4.80273
Al 237.312	1.31745	ug/L	1.64362	124.8	26.4253
As 188.980	2.80114	ug/L	0.423708	15.1	8.02008
B 249.678	3.96444	ug/L	0.044524	1.1	211.542
Ba 493.408	0.620394	ug/L	0.010347	1.7	1865.06
Be 313.042	-0.022251uv	ug/L	0.001397	6.3	145.712
Ca 373.690	12.4515	ug/L	0.599501	4.8	201.333
Cd 214.439	-0.041262uv	ug/L	0.017068	41.4	5.16290
Co 228.615	0.238151	ug/L	0.239284	100.5	33.3772
Cr 267.716	0.348258	ug/L	0.032246	9.3	78.9485
Cu 327.395	-0.655824uv	ug/L	0.133173	20.3	171.553
Fe 273.955	1.19226	ug/L	0.101561	8.5	133.741
K 404.721	900.869	ug/L	381.946	42.4	45.9346
Li 610.365	0.309205	ug/L	0.019627	6.3	23.3906
Mg 279.078	1.66813	ug/L	1.43450	86.0	50.9612

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	0.229485	ug/L	0.063584	27.7	174.771
Mo 202.032	0.876649	ug/L	0.273229	31.2	24.8767
Na 330.237	-x	ug/L	373.750	0.1	204983
Ni 216.555	1.01791	ug/L	0.066025	6.5	24.5368
Pb 220.353	0.679465	ug/L	0.446591	65.7	25.1250
Sb 217.582	-2.10949uv	ug/L	0.207932	9.9	4.83240
Se 196.026	2.52120	ug/L	2.34800	93.1	7.17455
Si 251.611	7.54017	ug/L	3.15685	41.9	118.256
Si 288.158	10.6839	ug/L	2.50669	23.5	635.295
Sn 189.925	-0.561595uv	ug/L	0.101340	18.0	5.42906
Sr 421.552	0.260912	ug/L	0.005886	2.3	942.775
Ti 336.122	0.161152	ug/L	0.058883	36.5	120.734
Tl 190.794	-1.62325uv	ug/L	1.03720	63.9	2.38254
V 292.401	-0.055825uv	ug/L	0.006846	12.3	44.4744
Zn 202.548	1.06782	ug/L	0.030295	2.8	91.1086
Zr 339.198	0.016760uv	ug/L	0.068635	409.5	4.35986

360-37884-A-1-B@2 (Samp) **12/5/2011, 5:08:14 PM** **Rack 1, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.826874b	ug/L	0.766340	92.7	9.04517
Al 237.312	22.4829b	ug/L	0.875416	3.9	127.500
As 188.980	44.6282b	ug/L	0.547526	1.2	85.5399
B 249.678	102.081b	ug/L	1.17872	1.2	4128.15
Ba 493.408	265.679b	ug/L	0.070089	0.0	681674
Be 313.042	-0.233304uvb	ug/L	0.003508	1.5	129.490
Ca 373.690	-xb	ug/L	601.925	0.1	3736395
Cd 214.439	-0.197200uvb	ug/L	0.071595	36.3	7.82117
Co 228.615	0.374542b	ug/L	0.192402	51.4	35.8223
Cr 267.716	1.74359b	ug/L	0.140869	8.1	176.762
Cu 327.395	8.07132b	ug/L	0.068352	0.8	809.977
Fe 273.955	71.0163b	ug/L	1.58195	2.2	1837.21
K 404.721	11407.6b	ug/L	72.3977	0.6	353.294
Li 610.365	1.07529b	ug/L	0.106965	9.9	122.703
Mg 279.078	8238.82b	ug/L	21.8872	0.3	66455.9
Mn 257.610	41.2931b	ug/L	0.007763	0.0	17491.4
Mo 202.032	3.12374b	ug/L	0.307225	9.8	52.8151
Na 330.237	-xb	ug/L	1199.61	0.2	206867
Ni 216.555	0.224247b	ug/L	0.261778	116.7	16.7959
Pb 220.353	28.1043b	ug/L	0.311080	1.1	256.058
Sb 217.582	275.923b	ug/L	0.716580	0.3	661.323
Se 196.026	-2.36153uvb	ug/L	2.89193	122.5	2.60361
Si 251.611	13063.1b	ug/L	5.81222	0.0	85451.5
Si 288.158	12658.6b	ug/L	4.12801	0.0	196343
Sn 189.925	0.370219b	ug/L	0.265142	71.6	8.25822
Sr 421.552	1334.91b	ug/L	1.57174	0.1	4167299
Ti 336.122	0.473332b	ug/L	0.176500	37.3	222.534
Tl 190.794	-1.03046uvb	ug/L	1.70433	165.4	5.06978
V 292.401	-0.368504b	ug/L	0.139224	37.8	664.505
Zn 202.548	3.71983b	ug/L	0.237566	6.4	234.709
Zr 339.198	8.59082b	ug/L	1.15374	13.4	630.925

360-37884-A-2-B@2 (Samp) **12/5/2011, 5:11:10 PM** **Rack 1, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.307154	ug/L	0.208408	67.9	4.33423
Al 237.312	50.5039	ug/L	1.98190	3.9	261.274
As 188.980	35.1625	ug/L	0.796814	2.3	67.9995
B 249.678	59.3387	ug/L	1.05138	1.8	2554.97
Ba 493.408	216.771	ug/L	3.08786	1.4	556239
Be 313.042	-0.210806uv	ug/L	0.002591	1.2	121.539
Ca 373.690	-x	ug/L	6896.13	1.3	3311124
Cd 214.439	-0.128906uv	ug/L	0.097432	75.6	11.1603
Co 228.615	0.566686	ug/L	0.035015	6.2	38.5632
Cr 267.716	5.40299	ug/L	0.046889	0.9	433.289
Cu 327.395	9.31593	ug/L	0.185327	2.0	901.030
Fe 273.955	86.1302	ug/L	1.31022	1.5	2205.86
K 404.721	12852.2	ug/L	26.3031	0.2	395.583
Li 610.365	1.27834	ug/L	0.347508	27.2	148.707
Mg 279.078	5715.82	ug/L	70.5014	1.2	46281.9
Mn 257.610	4.86826	ug/L	0.058519	1.2	2223.04
Mo 202.032	2.78657	ug/L	0.296240	10.6	48.6586
Na 330.237	-x	ug/L	3996.66	0.6	198935
Ni 216.555	0.134718	ug/L	0.137424	102.0	14.8243
Pb 220.353	33.2897	ug/L	0.091701	0.3	299.722
Sb 217.582	212.063	ug/L	3.03088	1.4	510.537
Se 196.026	-0.939483uv	ug/L	3.97970	423.6	3.91089
Si 251.611	10140.0	ug/L	79.3071	0.8	66345.5
Si 288.158	9714.26	ug/L	111.444	1.1	150784
Sn 189.925	0.241224uv	ug/L	0.640263	265.4	7.84244
Sr 421.552	1418.02	ug/L	16.7276	1.2	4420260
Ti 336.122	1.47836	ug/L	0.054296	3.7	550.231
Tl 190.794	-3.31482uv	ug/L	0.167964	5.1	1.07951
V 292.401	3.54863	ug/L	0.233553	6.6	810.985
Zn 202.548	1.40541	ug/L	0.020509	1.5	113.456
Zr 339.198	7.43231	ug/L	1.43354	19.3	546.302

CCV (CCV) **12/5/2011, 5:14:06 PM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1011.22	ug/L	0.516002	0.1	11505.9	101.12222
Al 237.312	5236.62	ug/L	15.5191	0.3	24404.1	104.73243
As 188.980	1034.58	ug/L	0.618977	0.1	1920.92	103.45807
B 249.678	968.841	ug/L	17.9583	1.9	32706.5	96.88414
Ba 493.408	1003.62	ug/L	1.14240	0.1	2574297	100.36153
Be 313.042	1027.46	ug/L	21.9030	2.1	4370079	102.74613
Ca 373.690	20786.1	ug/L	63.6990	0.3	181410	103.93043
Cd 214.439	1031.78	ug/L	3.28349	0.3	72480.9	103.17841
Co 228.615	1017.08	ug/L	3.60511	0.4	14606.4	101.70784
Cr 267.716	1009.55	ug/L	4.20565	0.4	70824.8	100.95531
Cu 327.395	1012.32	ug/L	4.87823	0.5	74302.4	101.23151
Fe 273.955	5205.84	ug/L	26.7385	0.5	123414	104.11684
K 404.721	20773.4	ug/L	594.193	2.9	630.678	103.86723
Li 610.365	5039.01	ug/L	22.1551	0.4	649552	100.78020
Mg 279.078	21105.0	ug/L	95.5561	0.5	167069	105.52493

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	1004.38	ug/L	3.45599	0.3	420164	100.43806
Mo 202.032	1008.68	ug/L	18.1932	1.8	12113.0	100.86818
Na 330.237	21537.3	ug/L	30.8986	0.1	6162.48	107.68636
Ni 216.555	1024.26	ug/L	2.32382	0.2	14495.5	102.42550
Pb 220.353	1028.39	ug/L	1.99098	0.2	8678.89	102.83937
Sb 217.582	1015.81	ug/L	9.44573	0.9	2411.91	101.58089
Se 196.026	1039.81	ug/L	12.0442	1.2	991.042	103.98130
Si 251.611	1041.09	ug/L	12.8666	1.2	7303.11	104.10935
Si 288.158	1045.67	ug/L	15.4844	1.5	17056.0	104.56724
Sn 189.925	1033.49	ug/L	3.34339	0.3	2983.43	103.34930
Sr 421.552	1005.29	ug/L	1.16700	0.1	3112432	100.52877
Ti 336.122	1011.44	ug/L	5.46402	0.5	329863	101.14366
Tl 190.794	1019.22	ug/L	1.12354	0.1	1714.58	101.92165
V 292.401	1011.68	ug/L	3.24275	0.3	56712.4	101.16776
Zn 202.548	1032.61	ug/L	5.74792	0.6	54844.7	103.26099
Zr 339.198	969.292	ug/L	30.9062	3.2	70860.6	96.92918

CCB (CCB) **12/5/2011, 5:17:03 PM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.089470uv	ug/L	0.226499	253.2	-1.56104	-0.08947
Al 237.312	0.375267	ug/L	0.124279	33.1	21.9260	0.37527
As 188.980	3.04941	ug/L	0.393272	12.9	8.48004	3.04941
B 249.678	19.1218	ug/L	2.71477	14.2	719.456	19.12179
Ba 493.408	0.148179	ug/L	0.022739	15.3	653.949	0.14818
Be 313.042	0.073437	ug/L	0.013606	18.5	552.611	0.07344
Ca 373.690	2.63523	ug/L	0.734493	27.9	113.254	2.63523
Cd 214.439	0.105988	ug/L	0.094427	89.1	15.5044	0.10599
Co 228.615	0.276457	ug/L	0.201497	72.9	33.9371	0.27646
Cr 267.716	0.107327	ug/L	0.062423	58.2	62.0591	0.10733
Cu 327.395	0.096636	ug/L	0.001189	1.2	226.599	0.09664
Fe 273.955	1.21464	ug/L	0.302025	24.9	134.280	1.21464
K 404.721	267.529uv	ug/L	409.220	153.0	27.5122	267.52875
Li 610.365	-0.033763uv	ug/L	0.122307	362.3	-20.8203	-0.03376
Mg 279.078	1.67150	ug/L	0.619400	37.1	50.9888	1.67150
Mn 257.610	0.092406	ug/L	0.037880	41.0	117.495	0.09241
Mo 202.032	15.0521	ug/L	0.518911	3.4	194.903	15.05212
Na 330.237	-29.4027uv	ug/L	4.65908	15.8	12.7427	-29.40270
Ni 216.555	0.186647	ug/L	0.166331	89.1	12.8599	0.18665
Pb 220.353	-0.426400uv	ug/L	0.290621	68.2	15.8127	-0.42640
Sb 217.582	3.31050	ug/L	1.13244	34.2	17.6306	3.31050
Se 196.026	2.99713	ug/L	0.312558	10.4	7.62538	2.99713
Si 251.611	0.428207uv	ug/L	1.99536	466.0	72.8157	0.42821
Si 288.158	3.55260	ug/L	0.744137	20.9	527.284	3.55260
Sn 189.925	1.08058	ug/L	0.187018	17.3	10.1578	1.08058
Sr 421.552	0.099087	ug/L	0.016260	16.4	441.201	0.09909
Ti 336.122	0.596809	ug/L	0.057553	9.6	262.787	0.59681
Tl 190.794	-0.289913uv	ug/L	0.094608	32.6	4.60699	-0.28991
V 292.401	-0.018523uv	ug/L	0.103773	560.2	46.5647	-0.01852
Zn 202.548	-0.022119uv	ug/L	0.045183	204.3	34.0704	-0.02212
Zr 339.198	0.722309	ug/L	0.084183	11.7	55.9375	0.72231

360-37620-A-14-F@2 (Samp) **12/5/2011, 5:19:59 PM** **Rack 1, Tube 33**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.246314	ug/L	0.365904	148.6	2.61743
Al 237.312	138.730	ug/L	0.574513	0.4	682.242
As 188.980	4.11156	ug/L	1.95107	47.5	10.4496
B 249.678	45.8256	ug/L	0.040280	0.1	1693.05
Ba 493.408	461.889	ug/L	3.17689	0.7	1184906
Be 313.042	0.154047	ug/L	0.000184	0.1	1027.89
Ca 373.690	70079.6	ug/L	741.225	1.1	560075
Cd 214.439	3.51954	ug/L	0.010126	0.3	257.334
Co 228.615	3.03960	ug/L	0.221837	7.3	73.5771
Cr 267.716	1.62439	ug/L	0.015200	0.9	168.406
Cu 327.395	19.4366	ug/L	0.127546	0.7	1641.46
Fe 273.955	44.1273	ug/L	0.043962	0.1	1181.38
K 404.721	1521.08	ug/L	17.7216	1.2	64.8335
Li 610.365	1.31637	ug/L	0.000300	0.0	153.309
Mg 279.078	1198.80	ug/L	9.79937	0.8	9798.58
Mn 257.610	138.719	ug/L	0.922143	0.7	58066.9
Mo 202.032	3.82198	ug/L	0.720025	18.8	60.3521
Na 330.237	-x	ug/L	5071.86	0.7	209417
Ni 216.555	4.87534	ug/L	0.094532	1.9	78.9479
Pb 220.353	5844.23	ug/L	47.9075	0.8	49232.4
Sb 217.582	0.789668uv	ug/L	1.88447	238.6	11.6903
Se 196.026	-0.672027uv	ug/L	1.01134	150.5	4.28903
Si 251.611	1625.28	ug/L	10.5774	0.7	10687.4
Si 288.158	1570.71	ug/L	10.3811	0.7	24761.7
Sn 189.925	0.767894	ug/L	0.550516	71.7	9.27884
Sr 421.552	160.692	ug/L	1.19876	0.7	502850
Ti 336.122	1.76563	ug/L	0.002512	0.1	643.927
Tl 190.794	-2.01135uv	ug/L	0.467685	23.3	2.00574
V 292.401	-0.165671	ug/L	0.026902	16.2	133.954
Zn 202.548	374.416	ug/L	4.64781	1.2	19752.0
Zr 339.198	2.41705	ug/L	0.064776	2.7	179.795

360-37620-A-12-E@2 (Samp) **12/5/2011, 5:22:55 PM** **Rack 1, Tube 34**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.295981uv	ug/L	0.108859	36.8	-2.95703
Al 237.312	141.941	ug/L	0.595024	0.4	697.580
As 188.980	4.27259	ug/L	0.433093	10.1	10.7489
B 249.678	51.9128	ug/L	0.010676	0.0	1849.26
Ba 493.408	458.230	ug/L	3.97048	0.9	1175521
Be 313.042	0.139571	ug/L	0.004270	3.1	852.704
Ca 373.690	7573.68	ug/L	33.0828	0.4	67258.2
Cd 214.439	5.71422	ug/L	0.044668	0.8	409.677
Co 228.615	6.93666	ug/L	0.078461	1.1	129.245
Cr 267.716	2.99120	ug/L	0.030803	1.0	264.220
Cu 327.395	50.2601	ug/L	0.420209	0.8	3896.41
Fe 273.955	49.8035	ug/L	0.035344	0.1	1319.88
K 404.721	964.052	ug/L	537.209	55.7	48.6187
Li 610.365	0.593905	ug/L	0.118364	19.9	60.1250
Mg 279.078	448.472	ug/L	2.65189	0.6	3692.96

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	430.424	ug/L	2.43532	0.6	179943
Mo 202.032	2.06778	ug/L	0.222952	10.8	39.1814
Na 330.237	-x	ug/L	576.955	0.1	216973
Ni 216.555	14.8503	ug/L	0.059016	0.4	219.147
Pb 220.353	1280.76	ug/L	5.08190	0.4	10804.4
Sb 217.582	0.400750	ug/L	0.332406	82.9	10.7795
Se 196.026	1.03262	ug/L	1.55079	150.2	6.19571
Si 251.611	622.295	ug/L	0.052610	0.0	4135.10
Si 288.158	599.557	ug/L	0.479533	0.1	9743.03
Sn 189.925	-0.119816uv	ug/L	0.412299	344.1	6.70920
Sr 421.552	51.9022	ug/L	0.362711	0.7	161388
Ti 336.122	1.70375	ug/L	0.052635	3.1	623.808
Tl 190.794	-0.841643uv	ug/L	1.42247	169.0	3.75768
V 292.401	0.476623	ug/L	0.224392	47.1	85.8054
Zn 202.548	1149.50	ug/L	5.77692	0.5	60563.7
Zr 339.198	1.78489	ug/L	0.385121	21.6	133.603

360-37620-A-12-F MS@ (Samp) **12/5/2011, 5:25:51 PM** **Rack 1, Tube 35**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	94.4691	ug/L	1.66900	1.8	1188.69
Al 237.312	632.816	ug/L	9.27655	1.5	3036.49
As 188.980	549.345	ug/L	5.82478	1.1	1021.27
B 249.678	51.5939	ug/L	0.675010	1.3	1882.33
Ba 493.408	901.502	ug/L	12.7030	1.4	2312402
Be 313.042	510.040	ug/L	7.17672	1.4	2169418
Ca 373.690	7728.81	ug/L	123.721	1.6	68617.7
Cd 214.439	520.680	ug/L	8.72123	1.7	36575.6
Co 228.615	494.530	ug/L	7.27478	1.5	7099.51
Cr 267.716	487.085	ug/L	7.64035	1.6	34199.5
Cu 327.395	536.767	ug/L	7.94917	1.5	39499.7
Fe 273.955	53.2386	ug/L	1.23456	2.3	1418.88
K 404.721	1318.63	ug/L	427.795	32.4	59.7510
Li 610.365	0.619755	ug/L	0.222372	35.9	63.5508
Mg 279.078	455.966	ug/L	8.42233	1.8	3754.02
Mn 257.610	921.890	ug/L	13.4585	1.5	385306
Mo 202.032	0.820045	ug/L	0.230166	28.1	24.2159
Na 330.237	-x	ug/L	9120.88	1.2	219538
Ni 216.555	512.220	ug/L	6.46776	1.3	7250.74
Pb 220.353	1802.36	ug/L	28.4076	1.6	15196.7
Sb 217.582	0.825652	ug/L	0.281081	34.0	13.5604
Se 196.026	581.967	ug/L	15.3100	2.6	557.171
Si 251.611	645.548	ug/L	3.61434	0.6	4287.31
Si 288.158	626.338	ug/L	3.72150	0.6	10157.6
Sn 189.925	0.305434	ug/L	0.210878	69.0	7.93387
Sr 421.552	491.121	ug/L	7.37292	1.5	1520406
Ti 336.122	2.18280	ug/L	0.588988	27.0	780.209
Tl 190.794	449.078	ug/L	11.3446	2.5	758.700
V 292.401	488.317	ug/L	7.73899	1.6	27372.2
Zn 202.548	1701.20	ug/L	27.8634	1.6	89819.0
Zr 339.198	1.48747	ug/L	0.169722	11.4	111.861

360-37915-A-1-A@2 (Samp) **12/5/2011, 5:32:45 PM** **Rack 1, Tube 36**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	-0.411479uv	ug/L	0.255052	62.0	-5.03833
Al 237.312	7.69349	ug/L	0.119660	1.6	56.8762
As 188.980	1.22049	ug/L	0.223346	18.3	5.09070
B 249.678	47.7575	ug/L	1.46056	3.1	1685.21
Ba 493.408	222.913	ug/L	1.95420	0.9	571989
Be 313.042	-0.017570uv	ug/L	0.004764	27.1	166.326
Ca 373.690	225.278	ug/L	1.88515	0.8	2110.60
Cd 214.439	0.014961	ug/L	0.006385	42.7	9.10638
Co 228.615	0.593389	ug/L	0.082266	13.9	38.4568
Cr 267.716	0.429896	ug/L	0.014480	3.4	84.6714
Cu 327.395	1.96947	ug/L	0.243974	12.4	363.611
Fe 273.955	1.82683	ug/L	0.426833	23.4	149.231
K 404.721	593.787	ug/L	445.131	75.0	37.4102
Li 610.365	-0.871345uv	ug/L	0.004457	0.5	-128.789
Mg 279.078	27.3816	ug/L	0.062910	0.2	260.679
Mn 257.610	1.10965	ug/L	0.016914	1.5	543.054
Mo 202.032	0.410232	ug/L	0.156622	38.2	19.2828
Na 330.237	-x	ug/L	5787.54	0.8	201748
Ni 216.555	-0.198178uv	ug/L	0.357501	180.4	7.32690
Pb 220.353	2.28552	ug/L	0.050801	2.2	38.6492
Sb 217.582	-0.280279uv	ug/L	1.62266	578.9	9.15173
Se 196.026	2.71735	ug/L	0.047003	1.7	7.36142
Si 251.611	117.054	ug/L	3.05200	2.6	833.973
Si 288.158	118.827	ug/L	6.09230	5.1	2308.34
Sn 189.925	-0.176768uv	ug/L	0.833456	471.5	6.53766
Sr 421.552	6.45003	ug/L	0.069097	1.1	20111.5
Ti 336.122	0.296279	ug/L	0.003634	1.2	164.795
Tl 190.794	-0.566562uv	ug/L	1.03004	181.8	4.14827
V 292.401	-0.045595uv	ug/L	0.108835	238.7	45.3782
Zn 202.548	129.263	ug/L	0.987108	0.8	6840.11
Zr 339.198	0.863283	ug/L	0.059146	6.9	66.2424

360-37884-A-1-B@5 (Samp) **12/5/2011, 5:35:42 PM** **Rack 1, Tube 37**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.212387	ug/L	0.151051	71.1	1.94409
Al 237.312	10.0459	ug/L	1.81418	18.1	68.1091
As 188.980	19.5216	ug/L	0.861669	4.4	39.0087
B 249.678	45.4575	ug/L	1.84165	4.1	1868.82
Ba 493.408	119.235	ug/L	2.82498	2.4	306083
Be 313.042	-0.117519uv	ug/L	0.000920	0.8	123.594
Ca 373.690	240828	ug/L	5696.01	2.4	1625817
Cd 214.439	-0.090943uv	ug/L	0.072259	79.5	7.58325
Co 228.615	0.144328uv	ug/L	0.235969	163.5	32.2390
Cr 267.716	0.702680	ug/L	0.059739	8.5	103.794
Cu 327.395	3.30560	ug/L	0.169421	5.1	461.342
Fe 273.955	30.1665	ug/L	0.942474	3.1	840.770
K 404.721	3664.29	ug/L	388.744	10.6	126.635
Li 610.365	1.34903	ug/L	0.032141	2.4	157.680
Mg 279.078	3632.21	ug/L	68.6054	1.9	29511.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mn 257.610	17.5889	ug/L	0.484647	2.8	7498.55
Mo 202.032	1.81096	ug/L	0.596617	32.9	36.5112
Na 330.237	345221	ug/L	5738.79	1.7	99129.7
Ni 216.555	-0.200771uv	ug/L	0.274916	136.9	8.77008
Pb 220.353	12.7210	ug/L	0.062261	0.5	126.522
Sb 217.582	114.509	ug/L	2.36340	2.1	280.194
Se 196.026	-0.812345uv	ug/L	1.89858	233.7	4.03940
Si 251.611	5571.93	ug/L	157.803	2.8	36487.7
Si 288.158	5351.92	ug/L	138.316	2.6	83283.0
Sn 189.925	0.191234uv	ug/L	0.380802	199.1	7.66164
Sr 421.552	609.070	ug/L	13.5527	2.2	1900647
Ti 336.122	0.017785uv	ug/L	0.045892	258.0	73.9912
Tl 190.794	-2.34604uv	ug/L	1.16255	49.6	1.91393
V 292.401	0.160074	ug/L	0.137662	86.0	333.301
Zn 202.548	1.43113	ug/L	0.115876	8.1	112.082
Zr 339.198	5.73809	ug/L	0.943425	16.4	422.506

360-37884-A-2-B@5 (Samp) **12/5/2011, 5:38:38 PM** **Rack 1, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 338.289	0.634184	ug/L	0.146007	23.0	7.06226
Al 237.312	19.6048	ug/L	1.36566	7.0	113.754
As 188.980	15.1334	ug/L	1.62475	10.7	30.8770
B 249.678	26.2819	ug/L	0.254451	1.0	1163.90
Ba 493.408	96.3868	ug/L	0.557185	0.6	247482
Be 313.042	-0.114488uv	ug/L	0.000738	0.6	87.5107
Ca 373.690	208311	ug/L	1905.80	0.9	1425256
Cd 214.439	-0.098061uv	ug/L	0.019665	20.1	6.39563
Co 228.615	0.345180	ug/L	0.006534	1.9	35.1062
Cr 267.716	2.23234	ug/L	0.168337	7.5	211.024
Cu 327.395	3.52383	ug/L	0.076234	2.2	477.313
Fe 273.955	36.8932	ug/L	0.073027	0.2	1004.93
K 404.721	4027.99	ug/L	780.549	19.4	137.200
Li 610.365	1.60644	ug/L	0.017870	1.1	190.785
Mg 279.078	2518.82	ug/L	17.2675	0.7	20508.7
Mn 257.610	2.03107	ug/L	0.006371	0.3	976.218
Mo 202.032	1.07849	ug/L	0.026159	2.4	27.6729
Na 330.237	330101	ug/L	1672.06	0.5	94789.0
Ni 216.555	-0.378254uv	ug/L	0.250881	66.3	5.96838
Pb 220.353	15.3279	ug/L	0.637987	4.2	148.473
Sb 217.582	87.8660	ug/L	0.875888	1.0	217.283
Se 196.026	-2.18347uv	ug/L	0.460013	21.1	2.72290
Si 251.611	4274.72	ug/L	16.5100	0.4	28009.2
Si 288.158	4099.97	ug/L	0.162275	0.0	63911.2
Sn 189.925	0.058293uv	ug/L	0.298991	512.9	7.25903
Sr 421.552	626.624	ug/L	4.90111	0.8	1952991
Ti 336.122	0.473143	ug/L	0.037070	7.8	222.465
Tl 190.794	-1.84542uv	ug/L	0.196279	10.6	2.66281
V 292.401	1.02490	ug/L	0.176756	17.2	347.565
Zn 202.548	0.184802	ug/L	0.127491	69.0	46.5547
Zr 339.198	5.04373	ug/L	0.717476	14.2	371.777

CCV (CCV) **12/5/2011, 5:53:19 PM** **Rack 4, Tube 3**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	1028.09	ug/L	7.06477	0.7	11698.6	102.80949
Al 237.312	5350.83	ug/L	44.8944	0.8	24921.8	107.01665
As 188.980	1062.04	ug/L	7.69643	0.7	1971.82	106.20392
B 249.678	988.463	ug/L	19.1904	1.9	33366.9	98.84628
Ba 493.408	1014.19	ug/L	7.39303	0.7	2601424	101.41924
Be 313.042	1005.73	ug/L	8.81195	0.9	4277668	100.57276
Ca 373.690	21106.8	ug/L	153.264	0.7	184118	105.53425
Cd 214.439	1054.27	ug/L	6.62697	0.6	74060.5	105.42721
Co 228.615	1037.57	ug/L	7.40183	0.7	14899.8	103.75673
Cr 267.716	1028.85	ug/L	6.00937	0.6	72177.4	102.88485
Cu 327.395	1028.14	ug/L	6.52434	0.6	75460.3	102.81356
Fe 273.955	5321.98	ug/L	46.4771	0.9	126078	106.43960
K 404.721	21572.2	ug/L	210.971	1.0	654.294	107.86105
Li 610.365	5073.72	ug/L	38.0871	0.8	654026	101.47437
Mg 279.078	21611.4	ug/L	155.605	0.7	170951	108.05695
Mn 257.610	1024.14	ug/L	7.64123	0.7	428428	102.41350
Mo 202.032	1044.69	ug/L	26.4498	2.5	12544.9	104.46893
Na 330.237	21917.9	ug/L	52.3425	0.2	6270.79	109.58935
Ni 216.555	1042.16	ug/L	4.50116	0.4	14749.5	104.21611
Pb 220.353	1050.40	ug/L	6.98605	0.7	8864.17	105.03973
Sb 217.582	1034.67	ug/L	10.0341	1.0	2456.53	103.46725
Se 196.026	1067.02	ug/L	13.4449	1.3	1016.84	106.70184
Si 251.611	1058.31	ug/L	21.4036	2.0	7422.60	105.83054
Si 288.158	1054.66	ug/L	19.2870	1.8	17204.0	105.46616
Sn 189.925	1062.17	ug/L	10.5051	1.0	3066.02	106.21716
Sr 421.552	1016.35	ug/L	7.35453	0.7	3146699	101.63545
Ti 336.122	1024.65	ug/L	6.75446	0.7	334170	102.46452
Tl 190.794	1038.65	ug/L	8.04904	0.8	1747.16	103.86452
V 292.401	1026.90	ug/L	7.35803	0.7	57565.2	102.69048
Zn 202.548	1051.60	ug/L	7.24638	0.7	55851.4	105.15952
Zr 339.198	1070.55	ug/L	9.01173	0.8	78262.6	107.05464

CCB (CCB) **12/5/2011, 5:56:15 PM** **Rack 4, Tube 4**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 338.289	-0.015182uv	ug/L	0.655364	4316.7	-0.739990	-0.01518
Al 237.312	0.194716uv	ug/L	1.42107	729.8	21.0654	0.19472
As 188.980	2.99624	ug/L	1.25272	41.8	8.38148	2.99624
B 249.678	20.2769	ug/L	3.23608	16.0	758.168	20.27693
Ba 493.408	0.149093	ug/L	0.008536	5.7	656.293	0.14909
Be 313.042	0.081227	ug/L	0.011974	14.7	585.822	0.08123
Ca 373.690	2.91727	ug/L	0.174139	6.0	115.930	2.91727
Cd 214.439	0.069249	ug/L	0.033161	47.9	12.9258	0.06925
Co 228.615	0.517955	ug/L	0.318838	61.6	37.3997	0.51795
Cr 267.716	0.098112	ug/L	0.111893	114.0	61.4131	0.09811
Cu 327.395	0.201369	ug/L	0.036805	18.3	234.267	0.20137
Fe 273.955	2.05205	ug/L	0.434289	21.2	154.717	2.05205
K 404.721	266.863	ug/L	177.955	66.7	27.4922	266.86285
Li 610.365	-0.103856uv	ug/L	0.198117	190.8	-29.8555	-0.10386
Mg 279.078	1.73345	ug/L	0.345132	19.9	51.4954	1.73345

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mn 257.610	0.110654	ug/L	0.002266	2.0	125.120	0.11065
Mo 202.032	17.9541	ug/L	1.05578	5.9	229.712	17.95415
Na 330.237	11.7488	ug/L	1.40711	12.0	24.5542	11.74882
Ni 216.555	0.307033	ug/L	0.085042	27.7	14.5572	0.30703
Pb 220.353	-0.384542uv	ug/L	1.17894	306.6	16.1652	-0.38454
Sb 217.582	1.01708	ug/L	0.009029	0.9	12.2153	1.01708
Se 196.026	5.65992	ug/L	1.96478	34.7	10.1486	5.65992
Si 251.611	-0.635434uv	ug/L	0.910192	143.2	65.5465	-0.63543
Si 288.158	2.74308	ug/L	0.607745	22.2	513.756	2.74308
Sn 189.925	2.64653	ug/L	1.04005	39.3	14.6671	2.64653
Sr 421.552	0.097550	ug/L	0.021596	22.1	436.474	0.09755
Ti 336.122	0.902631	ug/L	0.175221	19.4	362.505	0.90263
Tl 190.794	1.10274	ug/L	0.529425	48.0	6.93208	1.10274
V 292.401	0.130550	ug/L	0.001722	1.3	54.9172	0.13055
Zn 202.548	0.051696	ug/L	0.004492	8.7	37.9972	0.05170
Zr 339.198	0.700978	ug/L	0.074251	10.6	54.3782	0.70098

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Westfield
Hg Data Review Checklist

Run Date: 12/7/11 **Instrument:** Model PS200, Leeman Lab

Batch(es): 84440, 84448

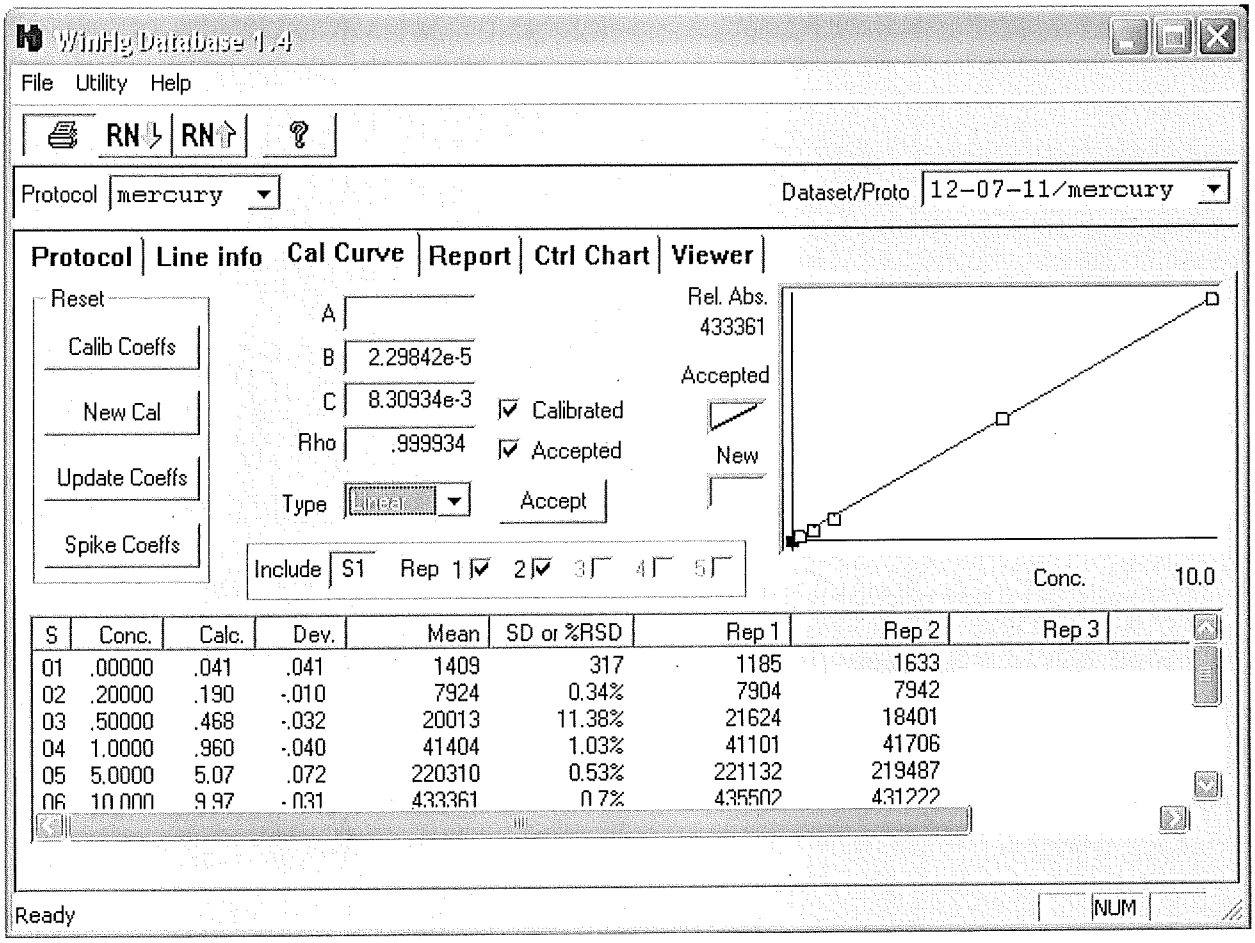
Circle Method(s) Performed: **7470A / 245.1** **7471**

Primary Analyst: EW Date: 12/7/11

2nd Level Reviewer: _____ Date: _____

A. Calibration/Instrument Run QC	Yes	No	N/A
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels? "r" ≥ 0.995?	✓		
2. Instrument Performance Check beginning of run? 245.1: ±5%	✓		
3. ICV/CCV analyzed at appropriate frequency (every 10 samples) and within control limits? 245.1: ±5% ICV, ±10% CCV; 7470/71:±10% ICV, ±20% CCV	✓		
4. ICB/CCB analyzed at appropriate frequency (every 10 samples) and within < Report Limit?	✓		
B. Sample Results			
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed? (dilute to mid-pt of curve)	✓		
2. All reported results bracketed by in control QC?	✓		
3. Sample analyses done within holding time (28days)? If not, NCM generated?	✓		
C. Preparation/Matrix QC			
1. LCS done per prep batch and within QC limits? 245.1: 85-115%, 7470: 80-120%	✓		
2. LCSD RPD aqueous 20%	✓		
3. LCSSRM/LCSDSRM (soil) manufactures limits, RPD 30%			✓
4. Method blank done per prep batch < RL	✓		
5. MS run at required frequency and within limits? 245.1: 1 per 10 field samples, 70-130%; 7470/71, 1:20, 75-125%	✓		
6. MSD or DU run at required frequency and RPD within limits aqueous ≤20%, solids ≤35%	✓		
D. Other			
1. Are all non-conformances documented appropriately?	✓		
2. Current MDL data on file? Annual LOD verification complete?	✓		
3. Calculations and transcriptions checked for error?	✓		
4. All client / project specific requirements met?	✓		
5. L4 data copied and attached to batch if required?	✓		
6. Date of analysis correct as reported in batch?	✓		

Comments:


WinHg Database 1.4
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RN RN
Protocol mercury
Dataset/Proto 12-07-11/mercury
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 2.29842e-5
C 8.30934e-3
Rho .999934
Type Linear
Calibrated
Accepted
Accept
Rel. Abs.
433361
Accepted
New
Include S1 Rep 1 2 3 4 5
Conc. 10.0
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
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02 .20000 .190 -.010 7924 0.34% 7904 7942
03 .50000 .468 -.032 20013 11.38% 21624 18401
04 1.0000 .960 -.040 41404 1.03% 41101 41706
05 5.0000 5.07 .072 220310 0.53% 221132 219487
06 10.000 9.97 -.031 433361 0.7% 435502 431222
Ready
NUM

cup	sample ID	extended ID	weight	volume	? A D F P S U SC UI US C1..7
1	MB	84364	1.0000	1.0000	
2	LCS		1.0000	1.0000	
3	LCSD		1.0000	1.0000	
4	37890A1B		1.0000	1.0000	
5	37890A1C	DU	1.0000	1.0000	
6	37890A1D	MS	1.0000	1.0000	
7	37876E2C		1.0000	1.0000	
8	37876F2A		1.0000	1.0000	
9	37933E5C		1.0000	1.0000	
10	37933F5A		1.0000	1.0000	C4 C1
11	37933E6C		1.0000	1.0000	
12	37933F6A		1.0000	1.0000	
13	37933E7C		1.0000	1.0000	
14	37933E8C		1.0000	1.0000	
15	37933F8A		1.0000	1.0000	
16	37936A4A		1.0000	1.0000	
17	LB		1.0000	1.0000	
18	37848A1F		1.0000	1.0000	
19	37848A2F		1.0000	1.0000	
20	37848A3E		1.0000	1.0000	C4 C1
21	37848A4F		1.0000	1.0000	
22	37848A5E		1.0000	1.0000	
23	37848A6H		1.0000	1.0000	
24	37848A6I	MS	1.0000	1.0000	
25	37915A1B		1.0000	1.0000	
26	MB	84367	1.0000	1.0000	
27	LCS		1.0000	1.0000	
28	LCSD		1.0000	1.0000	
29	37944A1B		1.0000	1.0000	
30	37944A1C	DU	1.0000	1.0000	C4 C1
31	37944A1D	MS	1.0000	1.0000	
32	37944A2B		1.0000	1.0000	
33	37869A1B		1.0000	1.0000	
34	37911B2B		1.0000	1.0000	
35	37914A1B		1.0000	1.0000	
36	37918C1C		1.0000	1.0000	
37	37946A1B		1.0000	1.0000	C4 C1
38	MB	84431	1.0000	1.0000	
39	LCS		1.0000	1.0000	
40	LCSD		1.0000	1.0000	
41	37900C4D		1.0000	1.0000	
42	37900C4E	MS	1.0000	1.0000	
43	37900C4F	MSD	1.0000	1.0000	
44	37900C2B		1.0000	1.0000	

cup	sample ID	extended ID	weight	volume	? A D F P S U SC UI US C1..7
1	37900C3B		1.0000	1.0000	C4 C1
2	37900C5B		1.0000	1.0000	
3	37900C6B		1.0000	1.0000	
4	37900C7B		1.0000	1.0000	
5	37900C8B		1.0000	1.0000	
6	37900C9B		1.0000	1.0000	
7	37881D1B		1.0000	1.0000	
8	37881D2B		1.0000	1.0000	
9	37881D3B		1.0000	1.0000	
10	37881D4B		1.0000	1.0000	
11	37991A1B		1.0000	1.0000	C4 C1
12	37913C1B		1.0000	1.0000	
13	37913C3B		1.0000	1.0000	
14	MB		1.0000	1.0000	
15	37894H1B		1.0000	1.0000	
16	37894H2B		1.0000	1.0000	
17	37894H3B		1.0000	1.0000	C4 C1
18			1.0000	1.0000	
19			1.0000	1.0000	
20			1.0000	1.0000	
21			1.0000	1.0000	
22			1.0000	1.0000	
23			1.0000	1.0000	
24			1.0000	1.0000	
25			1.0000	1.0000	
26			1.0000	1.0000	
27			1.0000	1.0000	
28			1.0000	1.0000	
29			1.0000	1.0000	
30			1.0000	1.0000	
31			1.0000	1.0000	
32			1.0000	1.0000	
33			1.0000	1.0000	
34			1.0000	1.0000	
35			1.0000	1.0000	
36			1.0000	1.0000	
37			1.0000	1.0000	
38			1.0000	1.0000	
39			1.0000	1.0000	
40			1.0000	1.0000	
41			1.0000	1.0000	
42			1.0000	1.0000	
43			1.0000	1.0000	
44			1.0000	1.0000	

mcf

Hg Standards

ICV: High Purity Standards
Lot # 1030115
Exp. May 4, 2012

Intermediate Std. 25 mg/L PrepDate/Lot#: 082911
Expiration Date: 022912

Working Standard: 0.1 mg/L Prep Date/Lot#: 120611
Expiration Date: 121111

ICV Standard (5 ug/L): Prep Date/Lot#: 120711
Expiration Date: 120811

IPC: Spex Certi-Prep
Lot # 16-81Hg
Exp. March 30, 2012

Intermediate Std. 25 mg/L PrepDate/Lot#: 082911
Expiration Date: 022912

Working Standard: 0.1 mg/L Prep Date/Lot#: 120611
Expiration Date: 121111

IPC/CCV Standard (5 ug/L): Prep Date/Lot#: 120711
Expiration Date: 120811

Calibration Standards (Water):

Cal. Std. 1	0.2 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 2	0.5 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 3	1.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 4	5.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811
Cal. Std. 5	10.0 ug/L	Prep Date/Lot #:	120711	Expires:	120811

Calibration Standards (Soil):

Cal. Std. 1	0.2 ug/L	Prep Date/Lot #:	120611	Expires:	120711
Cal. Std. 2	0.5 ug/L	Prep Date/Lot #:	120611	Expires:	120711
Cal. Std. 3	1.0 ug/L	Prep Date/Lot #:	120611	Expires:	120711
Cal. Std. 4	5.0 ug/L	Prep Date/Lot #:	120611	Expires:	120711
Cal. Std. 5	10.0 ug/L	Prep Date/Lot #:	120611	Expires:	120711

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 10:40:04 07 Dec 11 HG

Hg .000 ppb 1185

*** Standard: 1 Rep: 2 Seq: 1 10:41:45 07 Dec 11 HG

Hg .000 ppb 1633

*** Standard: 2 Rep: 1 Seq: 2 10:43:51 07 Dec 11 HG

Hg .200 ppb 7904

*** Standard: 2 Rep: 2 Seq: 3 10:45:34 07 Dec 11 HG

Hg .200 ppb 7942

*** Standard: 3 Rep: 1 Seq: 4 10:47:16 07 Dec 11 HG

Hg .500 ppb 21623

*** Standard: 3 Rep: 2 Seq: 5 10:49:10 07 Dec 11 HG

Hg .500 ppb 18401

*** Standard: 4 Rep: 1 Seq: 6 10:50:54 07 Dec 11 HG

Hg 1.00 ppb 41100

*** Standard: 4 Rep: 2 Seq: 7 10:53:06 07 Dec 11 HG

Hg 1.00 ppb 41706

*** Standard: 5 Rep: 1 Seq: 8 10:54:49 07 Dec 11 HG

Hg 5.00 ppb 221131

*** Standard: 5 Rep: 2 Seq: 9 10:57:02 07 Dec 11 HG

Hg 5.00 ppb 219487

*** Standard: 6 Rep: 1 Seq: 10 10:58:48 07 Dec 11 HG

Hg 10.0 ppb 435501

*** Standard: 6 Rep: 2 Seq: 11 11:00:34 07 Dec 11 HG

Hg 10.0 ppb 431222

*** Check Standard: 2 Ck2ICV Seq: 12 11:05:33 07 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	5.06	5.00	ppb	.000

*** Check Standard: 3 Ck3IPC Seq: 13 11:07:39 07 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.	5.01	5.00	ppb	.000

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Check Standard: 5  Ck5ICB       Seq:  14      11:09:23 07 Dec 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          29.2     .029    .100   ppb         .000

*** Sample ID: MB                   Seq:  15      11:11:04 07 Dec 11   HG
                          84364
Hg   -.145    ppb        .000      -.145

*** Sample ID: LCS                  Seq:  16      11:12:54 07 Dec 11   HG

Hg    4.84    ppb        .000       4.84

*** Sample ID: LCSD                 Seq:  17      11:15:07 07 Dec 11   HG

Hg    4.67    ppb        .000       4.67

*** Sample ID: 37890A1B             Seq:  18      11:17:08 07 Dec 11   HG

Hg    .164    ppb        .000       .164

*** Sample ID: 37890A1C             Seq:  19      11:19:10 07 Dec 11   HG
                            DU
Hg    .004    ppb        .000       .004

*** Sample ID: 37890A1D             Seq:  20      11:20:52 07 Dec 11   HG
                           MS
Hg    4.40    ppb        .000       4.40

*** Sample ID: 37876E2C             Seq:  21      11:22:34 07 Dec 11   HG

Hg   -.094    ppb        .000      -.094

*** Sample ID: 37876F2A             Seq:  22      11:24:15 07 Dec 11   HG

Hg   -.110    ppb        .000      -.110

*** Sample ID: 37933E5C             Seq:  23      11:26:00 07 Dec 11   HG

Hg    .050    ppb        .000       .050

*** Sample ID: 37933F5A             Seq:  24      11:28:14 07 Dec 11   HG

Hg    .021    ppb        .000       .021

*** Check Standard: 4  Ck4CCV       Seq:  25      11:30:06 07 Dec 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.1     4.95    5.00   ppb         .000

*** Check Standard: 1  Ck1CCB       Seq:  26      11:32:29 07 Dec 11   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .036     .100     ppb         .000

*** Sample ID: 37933E6C             Seq:  27      11:34:11 07 Dec 11   HG

Hg    .007    ppb        .000       .007
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: MB					Seq: 60	12:59:45 07 Dec 11			HG
				84431					
Hg	-.032	ppb	.000	-.032					
*** Sample ID: LCS					Seq: 61	13:01:39 07 Dec 11			HG
Hg	2.96	ppb	.000	2.96					
*** Sample ID: LCS					Seq: 62	13:06:25 07 Dec 11			HG
Hg	4.74	ppb	.000	4.74					
*** Sample ID: LCSD					Seq: 63	13:08:17 07 Dec 11			HG
Hg	4.77	ppb	.000	4.77					
*** Sample ID: 37900C4D					Seq: 64	13:10:19 07 Dec 11			HG
Hg	.020	ppb	.000	.020					
*** Sample ID: 37900C4E					Seq: 65	13:12:01 07 Dec 11			HG
				MS					
Hg	2.51	ppb	.000	2.51					
*** Sample ID: 37900C4E					Seq: 66	13:16:05 07 Dec 11			HG
				MS					
Hg	4.61	ppb	.000	4.61					
*** Sample ID: 37900C4F					Seq: 67	13:20:42 07 Dec 11			HG
				MSD					
Hg	4.67	ppb	.000	4.67					
*** Sample ID: 37900C2B					Seq: 68	13:22:24 07 Dec 11			HG
Hg	.075	ppb	.000	.075					
*** Sample ID: 37900C3B					Seq: 69	13:24:19 07 Dec 11			HG
Hg	-.037	ppb	.000	-.037					

*** Check Standard: 4 Ck4CCV Seq: 70 13:26:21 07 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	5.08	5.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 71 13:28:26 07 Dec 11 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg	L	-.162	.100	ppb	.000

*** Sample ID: 37900C5B					Seq: 72	13:30:23 07 Dec 11			HG
Hg	.034	ppb	.000	.034					
*** Sample ID: 37900C6B					Seq: 73	13:32:05 07 Dec 11			HG
Hg	.147	ppb	.000	.147					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 37900C7B				Seq: 74	13:33:52 07 Dec 11	HG		
Hg	.072	ppb	.000	.072				
*** Sample ID: 37900C8B				Seq: 75	13:35:36 07 Dec 11	HG		
Hg	.001	ppb	.000	.001				
*** Sample ID: 37900C9B				Seq: 76	13:37:49 07 Dec 11	HG		
Hg	-.092	ppb	.000	-.092				
*** Sample ID: 37881D1B				Seq: 77	13:39:33 07 Dec 11	HG		
Hg	.706	ppb	.000	.706				
*** Sample ID: 37881D2B				Seq: 78	13:41:57 07 Dec 11	HG		
Hg	.123	ppb	.000	.123				
*** Sample ID: 37881D3B				Seq: 79	13:43:50 07 Dec 11	HG		
Hg	.003	ppb	.000	.003				
*** Sample ID: 37881D4B				Seq: 80	13:45:33 07 Dec 11	HG		
Hg	.303	ppb	.000	.303				
*** Sample ID: 37991A1B				Seq: 81	13:47:27 07 Dec 11	HG		
Hg	.099	ppb	.000	.099				

*** Check Standard: 4 Ck4CCV Seq: 82 13:49:30 07 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.3	4.91	5.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 83 13:51:26 07 Dec 11 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.061	.100	ppb	.000

*** Sample ID: 37913C1B				Seq: 84	13:53:11 07 Dec 11	HG		
Hg	.067	ppb	.000	.067				
*** Sample ID: 37913C3B				Seq: 85	13:54:55 07 Dec 11	HG		
Hg	.052	ppb	.000	.052				
*** Sample ID: MB				Seq: 86	13:57:22 07 Dec 11	HG		
Hg	.030	ppb	.000	.030				
*** Sample ID: 37894H1B				Seq: 87	14:00:47 07 Dec 11	HG		
Hg	.074	ppb	.000	.074				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 37894H2B Seq: 88 14:02:30 07 Dec 11 HG

Hg	.026	ppb	.000	.026

*** Sample ID: 37894H3B Seq: 89 14:04:26 07 Dec 11 HG

Hg	.058	ppb	.000	.058

*** Check Standard: 4 Ck4CCV Seq: 90 14:06:24 07 Dec 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	5.04	5.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 91 14:08:08 07 Dec 11 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.042	.100	ppb	.000

METALS BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Batch Number: 84282 Batch Start Date: 12/05/11 08:40 Batch Analyst: Gutul, Olga

Batch Method: 3010A Batch End Date: 12/05/11 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	stlma-3 00060	stlma2 00053		
MB 360-84282/1		3010A, 6010B		50 mL	50 mL				
LCS 360-84282/2		3010A, 6010B		50 mL	50 mL	0.5 mL	0.5 mL		
LCSD 360-84282/3		3010A, 6010B		50 mL	50 mL	0.5 mL	0.5 mL		
360-37913-C-1	BC-RB-120111	3010A, 6010B	T	50 mL	50 mL				
360-37913-C-3	BC-GW-MW303-120111	3010A, 6010B	T	50 mL	50 mL				

Batch Notes	
Lot # of hydrochloric acid	692887
Lot # of Nitric Acid	688009
Hot Block ID number	2
Oven, Bath or Block Temperature 1	95 Degrees C

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Westfield Job No.: 360-37913-1

SDG No.:

Batch Number: 84431 Batch Start Date: 12/07/11 10:00 Batch Analyst: Gutul, Olga

Batch Method: 7470A Batch End Date: 12/07/11 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	METHG1mg/L 00788			
MB 360-84431/1		7470A, 7470A		10 mL	10 mL				
LCS 360-84431/2		7470A, 7470A		10 mL	10 mL	50 uL			
LCSD 360-84431/3		7470A, 7470A		10 mL	10 mL	50 uL			
360-37913-C-1	BC-RB-120111	7470A, 7470A	T	10 mL	10 mL				
360-37913-C-3	BC-GW-MW303-120111	7470A, 7470A	T	10 mL	10 mL				

Batch Notes	
Sulfuric Acid Lot Number	692895
Lot # of Nitric Acid	688009
Hood ID or number	1
Potassium Permanganate Lot Number	678771
Temperature	95

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 360-37913-1

Login Number: 37913

List Source: TestAmerica Westfield

List Number: 1

Creator: Beaumier, Janine E

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information

Client Contact: Keith Westberry
Company: Etech
Address: PO BOX 2426
City: Lindale
State, Zip: TX 75771
Phone: 903 881 8309
Email: Keith@Etech1.com
Project Name/number: Beaton + Corbin
Site: Southington CT

Sampler: Robin Clark
Phone: 860 173 948
Lab PM:
E-Mail:
Carrier Tracking No(s):
COC No:
Page: 1 of 1
Job #:
Due Date Requested: Contract
TAT Requested (days): Keith
Quote #:
PO #:
WO #:
SSOW#:

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; H - Ascorbic Acid; I - Ice; J - DI Water; M - Hexane; N - None; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; Z - other (specify)

Regulatory programs:
MCP ☐ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Page 55 of 453 Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	VOC (8260)	EPH (8270 SIM)	RCRA 8 metals (6010)	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
BC-RB-120111	12-1-11	1345	G	W				✓	✓	✓		
BC-TB-GW-120111A	12-1-11	1500	G	W				✓				
BC-GW-MW303-120111	12-1-11	1600	G	W				✓	✓	✓		

SRB 12/2/11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	12-2-11 5:30pm	Etech	[signature]	12-2-11 0830	
[signature]	12-2-11 09:45		[signature]	12/2/11 09:45	TA

Custody Seals Intact: ☐ Yes ☒ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 1.1°C w ice